May 10, 2021

Vista Work Order No. 2103216

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 19, 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,

Oliver Cawdell For

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. 2103216
Case Narrative

Sample Condition on Receipt:

Twenty-one soil 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. Sample "USMPDI-068RAB-00-10-210311" was placed in Vista Work Order 2103219.

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.

As requested, a Duplicate was performed on sample "USMPDI-060RAB-10-20-210317". The RPDs were out of the acceptance criteria for OCDD; 1,2,3,7,8-PeCDF; 1,2,3,4,7,8-HxCDF and 2,3,4,6,7,8-HxCDF.

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 each preparation batch. No analytes were detected above the sample quantitation limits in the Method Blanks. The OPR recoveries were within the method acceptance criteria.

As requested, a Duplicate was performed on sample "USMPDI-060RAB-10-20-210317". The RPDs were out of the acceptance criteria for trans-Nonachlor, 2,4'-DDT and 4,4'-DDD.

The labeled standard recoveries outside the method acceptance criteria are listed in the table below:

QC Anomalies

LabNumber	SampleName	Analysis	Analyte	Flag	%Rec
2103216-12	USMPDI-064RAB-10-20-210311	EPA Method 1699	13C12-Dieldrin	H	35.1
2103216-12	USMPDI-064RAB-10-20-210311	EPA Method 1699	13C10-cis-Nonachlor	H	26.6

H = Recovery was outside laboratory acceptance criteria.

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Continuing Calibration..... 1436

Initial Calibration..... 1642

Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2103216-01	USMPDI-058RAB-00-10-210317	17-Mar-21 13:35	19-Mar-21 11:30	Amber Glass, 120 mL
2103216-02	USMPDI-058RAB-10-20-210317	17-Mar-21 14:25	19-Mar-21 11:30	Amber Glass, 120 mL
2103216-03	USMPDI-058RAB-20-26.2-210317	17-Mar-21 15:10	19-Mar-21 11:30	Amber Glass, 120 mL
2103216-04	USMPDI-059RAB-00-10-210318	18-Mar-21 08:40	19-Mar-21 11:30	Amber Glass, 120 mL
2103216-05	USMPDI-059RAB-10-20-210318	18-Mar-21 09:35	19-Mar-21 11:30	Amber Glass, 120 mL
2103216-06	USMPDI-059RAB-20-25.5-210318	18-Mar-21 10:30	19-Mar-21 11:30	Amber Glass, 120 mL
2103216-07	USMPDI-060RAB-00-10-210317	17-Mar-21 09:50	19-Mar-21 11:30	Amber Glass, 120 mL
2103216-08	USMPDI-060RAB-10-20-210317	DUP17-Mar-21 11:00	19-Mar-21 11:30	Amber Glass, 120 mL
				Amber Glass, 120 mL
2103216-09	USMPDI-060RAB-20-28.1-210317	17-Mar-21 11:40	19-Mar-21 11:30	Amber Glass, 120 mL
2103216-10	USMPDI-1060RAB-00-10-210317	17-Mar-21 09:50	19-Mar-21 11:30	Amber Glass, 120 mL
2103216-11	USMPDI-064RAB-00-10-210310	10-Mar-21 13:35	19-Mar-21 11:30	Amber Glass, 120 mL
2103216-12	USMPDI-064RAB-10-20-210311	11-Mar-21 08:45	19-Mar-21 11:30	Amber Glass, 120 mL
2103216-13	USMPDI-064RAB-20-23.4-210311	11-Mar-21 10:00	19-Mar-21 11:30	Amber Glass, 120 mL
2103216-14	USMPDI-1064RAB-10-20-210311	11-Mar-21 08:45	19-Mar-21 11:30	Amber Glass, 120 mL
2103216-15	USMPDI-066RAB-00-10-210315	15-Mar-21 10:45	19-Mar-21 11:30	Amber Glass, 120 mL
2103216-16	USMPDI-066RAB-10-20-210315	15-Mar-21 11:40	19-Mar-21 11:30	Amber Glass, 120 mL
2103216-17	USMPDI-066RAB-20-22.5-210315	15-Mar-21 13:05	19-Mar-21 11:30	Amber Glass, 120 mL
2103216-18	USMPDI-067RAB-00-10-210316	16-Mar-21 10:05	19-Mar-21 11:30	Amber Glass, 120 mL
2103216-19	USMPDI-067RAB-10-20-210316	16-Mar-21 11:15	19-Mar-21 11:30	Amber Glass, 120 mL
2103216-20	USMPDI-067RAB-20-21.9-210316	16-Mar-21 11:45	19-Mar-21 11:30	Amber Glass, 120 mL

ANALYTICAL RESULTS

Sample ID: Method Blank

EPA Method 1613B

Matrix: Solid
Sample Size: 10.0 g

QC Batch: B1C0237
Date Extracted: 30-Mar-2021 6:49

Lab Sample: B1C0237-BLK1
Date Analyzed : 06-Apr-21 12:10 Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
2,3,7,8-TCDD	ND	0.0416		
1,2,3,7,8-PeCDD	ND	0.0707		
1,2,3,4,7,8-HxCDD	ND	0.134		
1,2,3,6,7,8-HxCDD	ND	0.135		
1,2,3,7,8,9-HxCDD	ND	0.148		
1,2,3,4,6,7,8-HpCDD	ND	0.0875		
OCDD	ND	0.676		
2,3,7,8-TCDF	ND	0.0255		
1,2,3,7,8-PeCDF	ND	0.0484		
2,3,4,7,8-PeCDF	ND	0.0413		
1,2,3,4,7,8-HxCDF	ND	0.0357		
1,2,3,6,7,8-HxCDF	ND	0.0392		
2,3,4,6,7,8-HxCDF	ND	0.0414		
1,2,3,7,8,9-HxCDF	ND	0.0614		
1,2,3,4,6,7,8-HpCDF	ND	0.0286		
1,2,3,4,7,8,9-HpCDF	ND	0.0422		
OCDF	ND	0.167		
TOTALS				
Total TCDD	ND	0.0416		
Total PeCDD	ND		0.197	
Total HxCDD	ND	0.148		
Total HpCDD	ND	0.0875		
Total TCDF	ND	0.0255		
Total PeCDF	ND	0.0484		
Total HxCDF	ND	0.0614		
Total HpCDF	ND	0.0422		

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C-2,3,7,8-TCDD	112	25 - 164	
	13C-1,2,3,7,8-PeCDD	105	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	116	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	113	28 - 130	
	13C-1,2,3,7,8,9-HxCDD	105	32 - 141	
	13C-1,2,3,4,6,7,8-HpCDD	98.9	23 - 140	
	13C-OCDD	66.9	17 - 157	
	13C-2,3,7,8-TCDF	112	24 - 169	
	13C-1,2,3,7,8-PeCDF	99.1	24 - 185	
	13C-2,3,4,7,8-PeCDF	108	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	87.9	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	104	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	110	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	93.5	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	107	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	97.4	26 - 138	
	13C-OCDF	71.8	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	118	35 - 197	

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

TEQMinWHO2005Dioxin	0.00

DL - Sample specifc estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

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

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

Sample ID: OPR **EPA Method 1613B**

Matrix:	Solid	QC Batch:	B1C0237	Lab Sample:	B1C0237-BS1
Sample Size:	10.0 g	Date Extracted:	30-Mar-2021 6:49	Date Analyzed:	06-Apr-21 10:38 Column: ZB-DIOXIN

Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits		Labeled Standard	%R	LCL-UCL
2,3,7,8-TCDD	16.3	20.0	81.6	67 - 158	IS	13C-2,3,7,8-TCDD	115	20 - 175
1,2,3,7,8-PeCDD	83.1	100	83.1	70 - 142		13C-1,2,3,7,8-PeCDD	101	21 - 227
1,2,3,4,7,8-HxCDD	86.9	100	86.9	70 - 164		13C-1,2,3,4,7,8-HxCDD	113	21 - 193
1,2,3,6,7,8-HxCDD	88.0	100	88.0	76 - 134		13C-1,2,3,6,7,8-HxCDD	110	25 - 163
1,2,3,7,8,9-HxCDD	87.6	100	87.6	64 - 162		13C-1,2,3,7,8,9-HxCDD	112	21 - 193
1,2,3,4,6,7,8-HpCDD	85.5	100	85.5	70 - 140		13C-1,2,3,4,6,7,8-HpCDD	98.7	26 - 166
OCDD	173	200	86.5	78 - 144		13C-OCDD	64.2	13 - 199
2,3,7,8-TCDF	16.0	20.0	79.8	75 - 158		13C-2,3,7,8-TCDF	121	22 - 152
1,2,3,7,8-PeCDF	81.5	100	81.5	80 - 134		13C-1,2,3,7,8-PeCDF	113	21 - 192
2,3,4,7,8-PeCDF	84.7	100	84.7	68 - 160		13C-2,3,4,7,8-PeCDF	91.9	13 - 328
1,2,3,4,7,8-HxCDF	86.0	100	86.0	72 - 134		13C-1,2,3,4,7,8-HxCDF	113	19 - 202
1,2,3,6,7,8-HxCDF	86.1	100	86.1	84 - 130		13C-1,2,3,6,7,8-HxCDF	115	21 - 159
2,3,4,6,7,8-HxCDF	86.1	100	86.1	70 - 156		13C-2,3,4,6,7,8-HxCDF	112	22 - 176
1,2,3,7,8,9-HxCDF	86.0	100	86.0	78 - 130		13C-1,2,3,7,8,9-HxCDF	114	17 - 205
1,2,3,4,6,7,8-HpCDF	83.2	100	83.2	82 - 122		13C-1,2,3,4,6,7,8-HpCDF	98.6	21 - 158
1,2,3,4,7,8,9-HpCDF	82.0	100	82.0	78 - 138		13C-1,2,3,4,7,8,9-HpCDF	96.0	20 - 186
OCDF	165	200	82.4	63 - 170		13C-OCDF	67.4	13 - 199
					CRS	37Cl-2,3,7,8-TCDD	122	31 - 191

LCL-UCL - Lower control limit - upper control limit

Sample ID: USMPDI-058RAB-00-10-210317

EPA Method 1613B

Client Data
Name: Anchor QEA, LLC
Project: Gascosiltronic: US Moorings
Date Collected: 17-Mar-2021 13:35

Sample Data
Matrix: Soil
Sample Size: 11.2 g
% Solids: 89.9

Laboratory Data
Lab Sample: 2103216-01 Date Received: 19-Mar-2021 11:30
QC Batch: B1C0237 Date Extracted: 30-Mar-2021 6:49
Date Analyzed : 06-Apr-21 12:57 Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
2,3,7,8-TCDD	ND	0.0445		
1,2,3,7,8-PeCDD	ND		0.0782	
1,2,3,4,7,8-HxCDD	ND	0.219		
1,2,3,6,7,8-HxCDD	1.46			J
1,2,3,7,8,9-HxCDD	0.379			J
1,2,3,4,6,7,8-HpCDD	44.7			
OCDD	666			
2,3,7,8-TCDF	ND		0.146	
1,2,3,7,8-PeCDF	0.410			J
2,3,4,7,8-PeCDF	0.855			J
1,2,3,4,7,8-HxCDF	3.15			
1,2,3,6,7,8-HxCDF	0.842			J
2,3,4,6,7,8-HxCDF	0.798			J
1,2,3,7,8,9-HxCDF	0.322			J
1,2,3,4,6,7,8-HpCDF	9.90			
1,2,3,4,7,8,9-HpCDF	1.11			J
OCDF	25.3			

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C-2,3,7,8-TCDD	130	25 - 164	
	13C-1,2,3,7,8-PeCDD	123	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	120	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	118	28 - 130	
	13C-1,2,3,7,8,9-HxCDD	117	32 - 141	
	13C-1,2,3,4,6,7,8-HpCDD	104	23 - 140	
	13C-OCDD	76.4	17 - 157	
	13C-2,3,7,8-TCDF	127	24 - 169	
	13C-1,2,3,7,8-PeCDF	115	24 - 185	
	13C-2,3,4,7,8-PeCDF	121	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	117	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	120	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	120	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	117	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	109	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	104	26 - 138	
	13C-OCDF	76.1	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	129	35 - 197	

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

TEQMinWHO2005Dioxin	1.73

TOTALS

Total TCDD	0.0734		
Total PeCDD	ND	0.476	
Total HxCDD	4.98	8.02	
Total HpCDD	98.1		
Total TCDF	0.636	1.41	
Total PeCDF	4.28	6.09	
Total HxCDF	22.8	23.0	
Total HpCDF	40.6		

DL - Sample specifc estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

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

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

Sample ID: USMPDI-058RAB-10-20-210317

EPA Method 1613B

Client Data
Name: Anchor QEA, LLC
Project: Gascosiltronic: US Moorings
Date Collected: 17-Mar-2021 14:25

Sample Data
Matrix: Soil
Sample Size: 12.3 g
% Solids: 84.0

Laboratory Data
Lab Sample: 2103216-02 Date Received: 19-Mar-2021 11:30
QC Batch: B1C0237 Date Extracted: 30-Mar-2021 6:49
Date Analyzed : 06-Apr-21 13:44 Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
2,3,7,8-TCDD	ND		0.235	
1,2,3,7,8-PeCDD	0.558			J
1,2,3,4,7,8-HxCDD	0.477			J
1,2,3,6,7,8-HxCDD	2.59			
1,2,3,7,8,9-HxCDD	1.28			J
1,2,3,4,6,7,8-HpCDD	52.6			
OCDD	520			
2,3,7,8-TCDF	14.4			
1,2,3,7,8-PeCDF	6.63			
2,3,4,7,8-PeCDF	8.57			
1,2,3,4,7,8-HxCDF	9.98			
1,2,3,6,7,8-HxCDF	3.51			
2,3,4,6,7,8-HxCDF	3.13			
1,2,3,7,8,9-HxCDF	0.396			J
1,2,3,4,6,7,8-HpCDF	28.4			
1,2,3,4,7,8,9-HpCDF	2.82			
OCDF	47.3			
TOTALS				
Total TCDD	2.98		5.08	
Total PeCDD	7.16		9.38	
Total HxCDD	26.2			
Total HpCDD	117			
Total TCDF	56.0		58.9	
Total PeCDF	57.0		58.2	P
Total HxCDF	50.4		50.7	
Total HpCDF	74.8			

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C-2,3,7,8-TCDD	98.7	25 - 164	
	13C-1,2,3,7,8-PeCDD	97.1	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	115	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	114	28 - 130	
	13C-1,2,3,7,8,9-HxCDD	117	32 - 141	
	13C-1,2,3,4,6,7,8-HpCDD	109	23 - 140	
	13C-OCDD	82.9	17 - 157	
	13C-2,3,7,8-TCDF	98.6	24 - 169	
	13C-1,2,3,7,8-PeCDF	104	24 - 185	
	13C-2,3,4,7,8-PeCDF	106	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	110	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	112	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	117	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	114	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	112	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	106	26 - 138	
	13C-OCDF	82.8	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	101	35 - 197	

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

TEQMinWHO2005Dioxin	7.91

DL - Sample specifc estimated detection limit
EMPC - Estimated maximum possible concentration
LCL-UCL- Lower control limit - upper control limit
The results are reported in dry weight. The sample size is reported in wet weight.
Min-The TEQ is calculated using zero for the concentration of congeners that are not detected.

Sample ID: USMPDI-058RAB-20-26.2-210317

EPA Method 1613B

Client Data
Name: Anchor QEA, LLC
Project: Gascosiltronic: US Moorings
Date Collected: 17-Mar-2021 15:10

Sample Data
Matrix: Soil
Sample Size: 14.4 g
% Solids: 70.3

Laboratory Data
Lab Sample: 2103216-03 Date Received: 19-Mar-2021 11:30
QC Batch: B1C0237 Date Extracted: 30-Mar-2021 6:49
Date Analyzed : 06-Apr-21 14:30 Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
2,3,7,8-TCDD	ND	0.0686		
1,2,3,7,8-PeCDD	ND	0.105		
1,2,3,4,7,8-HxCDD	ND	0.134		
1,2,3,6,7,8-HxCDD	ND	0.141		
1,2,3,7,8,9-HxCDD	ND	0.144		
1,2,3,4,6,7,8-HpCDD	1.00			J
OCDD	9.23			
2,3,7,8-TCDF	ND	0.0580		
1,2,3,7,8-PeCDF	ND	0.0831		
2,3,4,7,8-PeCDF	ND	0.0699		
1,2,3,4,7,8-HxCDF	ND	0.0541		
1,2,3,6,7,8-HxCDF	ND	0.0603		
2,3,4,6,7,8-HxCDF	ND	0.0645		
1,2,3,7,8,9-HxCDF	ND	0.0816		
1,2,3,4,6,7,8-HpCDF	ND	0.0949		
1,2,3,4,7,8,9-HpCDF	ND	0.173		
OCDF	ND	0.230		
TOTALS				
Total TCDD	ND		0.213	
Total PeCDD	ND		0.682	
Total HxCDD	0.721		1.28	
Total HpCDD	1.00		2.45	
Total TCDF	0.251			
Total PeCDF	ND	0.0831		
Total HxCDF	ND	0.0816		
Total HpCDF	ND	0.173		

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C-2,3,7,8-TCDD	120	25 - 164	
	13C-1,2,3,7,8-PeCDD	117	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	112	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	113	28 - 130	
	13C-1,2,3,7,8,9-HxCDD	112	32 - 141	
	13C-1,2,3,4,6,7,8-HpCDD	103	23 - 140	
	13C-OCDD	73.2	17 - 157	
	13C-2,3,7,8-TCDF	112	24 - 169	
	13C-1,2,3,7,8-PeCDF	100	24 - 185	
	13C-2,3,4,7,8-PeCDF	105	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	110	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	110	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	112	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	112	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	106	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	97.3	26 - 138	
	13C-OCDF	72.2	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	123	35 - 197	

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

TEQMinWHO2005Dioxin	0.0128

DL - Sample specifc estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

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

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

Sample ID: USMPDI-059RAB-00-10-210318

EPA Method 1613B

Client Data
Name: Anchor QEA, LLC
Project: Gascosiltronic: US Moorings
Date Collected: 18-Mar-2021 8:40

Sample Data
Matrix: Soil
Sample Size: 11.4 g
% Solids: 88.3

Laboratory Data
Lab Sample: 2103216-04 Date Received: 19-Mar-2021 11:30
QC Batch: B1C0237 Date Extracted: 30-Mar-2021 6:49
Date Analyzed : 06-Apr-21 15:17 Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
2,3,7,8-TCDD	ND	0.0928		
1,2,3,7,8-PeCDD	0.284			J
1,2,3,4,7,8-HxCDD	ND	0.351		
1,2,3,6,7,8-HxCDD	1.04			J
1,2,3,7,8,9-HxCDD	ND		0.556	
1,2,3,4,6,7,8-HpCDD	39.8			
OCDD	364			
2,3,7,8-TCDF	ND		0.139	
1,2,3,7,8-PeCDF	0.281			J
2,3,4,7,8-PeCDF	0.559			J
1,2,3,4,7,8-HxCDF	0.723			J
1,2,3,6,7,8-HxCDF	0.347			J
2,3,4,6,7,8-HxCDF	ND		0.290	
1,2,3,7,8,9-HxCDF	ND	0.192		
1,2,3,4,6,7,8-HpCDF	4.82			
1,2,3,4,7,8,9-HpCDF	ND	0.259		
OCDF	9.82			

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C-2,3,7,8-TCDD	65.2	25 - 164	
	13C-1,2,3,7,8-PeCDD	72.8	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	82.6	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	83.9	28 - 130	
	13C-1,2,3,7,8,9-HxCDD	93.7	32 - 141	
	13C-1,2,3,4,6,7,8-HpCDD	87.7	23 - 140	
	13C-OCDD	62.7	17 - 157	
	13C-2,3,7,8-TCDF	62.3	24 - 169	
	13C-1,2,3,7,8-PeCDF	61.0	24 - 185	
	13C-2,3,4,7,8-PeCDF	68.4	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	80.5	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	83.1	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	88.3	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	84.0	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	89.4	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	80.5	26 - 138	
	13C-OCDF	64.1	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	63.2	35 - 197	

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

TEQMinWHO2005Dioxin	1.23

TOTALS

Total TCDD	ND	0.0928		
Total PeCDD	0.284		0.410	
Total HxCDD	5.92		10.2	
Total HpCDD	85.2			
Total TCDF	1.01		1.15	
Total PeCDF	4.73		5.36	
Total HxCDF	8.34		8.63	
Total HpCDF	15.3			

DL - Sample specifc estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

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

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

Sample ID: USMPDI-059RAB-10-20-210318

EPA Method 1613B

Client Data
Name: Anchor QEA, LLC
Project: Gascosiltronic: US Moorings
Date Collected: 18-Mar-2021 9:35

Sample Data
Matrix: Soil
Sample Size: 12.5 g
% Solids: 81.0

Laboratory Data
Lab Sample: 2103216-05 Date Received: 19-Mar-2021 11:30
QC Batch: B1C0237 Date Extracted: 30-Mar-2021 6:49
Date Analyzed : 06-Apr-21 16:04 Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
2,3,7,8-TCDD	ND		0.0580	
1,2,3,7,8-PeCDD	ND		0.109	
1,2,3,4,7,8-HxCDD	ND	0.279		
1,2,3,6,7,8-HxCDD	ND		0.214	
1,2,3,7,8,9-HxCDD	ND		0.284	
1,2,3,4,6,7,8-HpCDD	5.98			
OCDD	70.9			
2,3,7,8-TCDF	ND		0.203	
1,2,3,7,8-PeCDF	ND		0.232	
2,3,4,7,8-PeCDF	0.608			J
1,2,3,4,7,8-HxCDF	0.500			J
1,2,3,6,7,8-HxCDF	ND		0.263	
2,3,4,6,7,8-HxCDF	ND		0.386	
1,2,3,7,8,9-HxCDF	0.0801			J
1,2,3,4,6,7,8-HpCDF	1.86			J
1,2,3,4,7,8,9-HpCDF	ND		0.167	
OCDF	3.03			J

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C-2,3,7,8-TCDD	86.4	25 - 164	
	13C-1,2,3,7,8-PeCDD	105	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	109	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	110	28 - 130	
	13C-1,2,3,7,8,9-HxCDD	112	32 - 141	
	13C-1,2,3,4,6,7,8-HpCDD	104	23 - 140	
	13C-OCDD	71.8	17 - 157	
	13C-2,3,7,8-TCDF	90.2	24 - 169	
	13C-1,2,3,7,8-PeCDF	99.7	24 - 185	
	13C-2,3,4,7,8-PeCDF	102	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	107	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	110	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	111	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	109	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	107	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	100	26 - 138	
	13C-OCDF	74.8	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	94.0	35 - 197	

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

TEQMinWHO2005Dioxin	0.341

TOTALS

Total TCDD	ND	0.738	
Total PeCDD	0.726	1.16	
Total HxCDD	1.71	2.21	
Total HpCDD	13.6		
Total TCDF	2.24	3.79	
Total PeCDF	5.22	6.29	
Total HxCDF	4.10	5.75	
Total HpCDF	5.03	5.20	

DL - Sample specifc estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

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

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

Sample ID: USMPDI-059RAB-20-25.5-210318

EPA Method 1613B

Client Data
Name: Anchor QEA, LLC
Project: Gascosiltronic: US Moorings
Date Collected: 18-Mar-2021 10:30

Sample Data
Matrix: Soil
Sample Size: 12.5 g
% Solids: 81.2

Laboratory Data
Lab Sample: 2103216-06 Date Received: 19-Mar-2021 11:30
QC Batch: B1C0237 Date Extracted: 30-Mar-2021 6:49
Date Analyzed : 06-Apr-21 16:50 Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
2,3,7,8-TCDD	ND	0.0602		
1,2,3,7,8-PeCDD	ND		0.0930	
1,2,3,4,7,8-HxCDD	ND		0.118	
1,2,3,6,7,8-HxCDD	0.478			J
1,2,3,7,8,9-HxCDD	ND		0.284	
1,2,3,4,6,7,8-HpCDD	12.0			
OCDD	146			
2,3,7,8-TCDF	0.208			J
1,2,3,7,8-PeCDF	0.254			J
2,3,4,7,8-PeCDF	0.466			J
1,2,3,4,7,8-HxCDF	0.610			J
1,2,3,6,7,8-HxCDF	0.247			J
2,3,4,6,7,8-HxCDF	ND		0.353	
1,2,3,7,8,9-HxCDF	0.146			J
1,2,3,4,6,7,8-HpCDF	2.45			
1,2,3,4,7,8,9-HpCDF	ND	0.226		
OCDF	5.57			
TOTALS				
Total TCDD	0.177		0.498	
Total PeCDD	0.666		1.10	
Total HxCDD	2.44		2.84	
Total HpCDD	27.3			
Total TCDF	0.525		2.19	
Total PeCDF	4.38		4.97	P
Total HxCDF	5.43		5.78	
Total HpCDF	7.62			

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C-2,3,7,8-TCDD	99.5	25 - 164	
	13C-1,2,3,7,8-PeCDD	105	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	116	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	111	28 - 130	
	13C-1,2,3,7,8,9-HxCDD	114	32 - 141	
	13C-1,2,3,4,6,7,8-HpCDD	104	23 - 140	
	13C-OCDD	61.5	17 - 157	
	13C-2,3,7,8-TCDF	108	24 - 169	
	13C-1,2,3,7,8-PeCDF	106	24 - 185	
	13C-2,3,4,7,8-PeCDF	108	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	114	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	111	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	114	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	120	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	110	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	98.1	26 - 138	
	13C-OCDF	64.7	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	112	35 - 197	

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

TEQMinWHO2005Dioxin	0.506

DL - Sample specifc estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

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

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

Sample ID: USMPDI-060RAB-00-10-210317

EPA Method 1613B

Client Data
Name: Anchor QEA, LLC
Project: Gascosiltronic: US Moorings
Date Collected: 17-Mar-2021 9:50

Sample Data
Matrix: Soil
Sample Size: 11.8 g
% Solids: 87.7

Laboratory Data
Lab Sample: 2103216-07 Date Received: 19-Mar-2021 11:30
QC Batch: B1C0237 Date Extracted: 30-Mar-2021 6:49
Date Analyzed : 06-Apr-21 17:37 Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
2,3,7,8-TCDD	ND	0.0939		
1,2,3,7,8-PeCDD	ND		0.128	
1,2,3,4,7,8-HxCDD	ND	0.255		
1,2,3,6,7,8-HxCDD	1.18			J
1,2,3,7,8,9-HxCDD	0.435			J
1,2,3,4,6,7,8-HpCDD	41.8			
OCDD	384			
2,3,7,8-TCDF	0.255			J
1,2,3,7,8-PeCDF	ND		0.215	
2,3,4,7,8-PeCDF	0.862			J
1,2,3,4,7,8-HxCDF	0.798			J
1,2,3,6,7,8-HxCDF	0.446			J
2,3,4,6,7,8-HxCDF	0.298			J
1,2,3,7,8,9-HxCDF	ND		0.101	
1,2,3,4,6,7,8-HpCDF	6.33			
1,2,3,4,7,8,9-HpCDF	ND	0.199		
OCDF	14.3			

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C-2,3,7,8-TCDD	90.1	25 - 164	
	13C-1,2,3,7,8-PeCDD	101	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	106	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	106	28 - 130	
	13C-1,2,3,7,8,9-HxCDD	105	32 - 141	
	13C-1,2,3,4,6,7,8-HpCDD	100	23 - 140	
	13C-OCDD	70.9	17 - 157	
	13C-2,3,7,8-TCDF	88.0	24 - 169	
	13C-1,2,3,7,8-PeCDF	99.0	24 - 185	
	13C-2,3,4,7,8-PeCDF	90.3	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	107	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	110	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	109	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	94.7	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	109	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	96.5	26 - 138	
	13C-OCDF	74.4	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	92.3	35 - 197	

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

TEQMinWHO2005Dioxin	1.20

TOTALS

Total TCDD	0.303		
Total PeCDD	0.209	1.13	
Total HxCDD	11.0		
Total HpCDD	92.0		
Total TCDF	2.06	2.87	
Total PeCDF	7.93	8.63	
Total HxCDF	11.2	11.8	
Total HpCDF	18.8		

DL - Sample specifc estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

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

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

Sample ID: USMPDI-060RAB-10-20-210317

EPA Method 1613B

Client Data
Name: Anchor QEA, LLC
Project: Gascosiltronic: US Moorings
Date Collected: 17-Mar-2021 11:00

Sample Data
Matrix: Soil
Sample Size: 12.1 g
% Solids: 83.5

Laboratory Data
Lab Sample: 2103216-08 Date Received: 19-Mar-2021 11:30
QC Batch: B1C0237 Date Extracted: 30-Mar-2021 6:49
Date Analyzed : 06-Apr-21 18:24 Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
2,3,7,8-TCDD	ND	0.0637		
1,2,3,7,8-PeCDD	0.110			J
1,2,3,4,7,8-HxCDD	ND	0.174		
1,2,3,6,7,8-HxCDD	0.592			J
1,2,3,7,8,9-HxCDD	ND	0.0969		
1,2,3,4,6,7,8-HpCDD	16.1			
OCDD	210			
2,3,7,8-TCDF	ND		0.231	
1,2,3,7,8-PeCDF	0.387			J
2,3,4,7,8-PeCDF	0.911			J
1,2,3,4,7,8-HxCDF	1.36			J
1,2,3,6,7,8-HxCDF	ND		0.350	
2,3,4,6,7,8-HxCDF	0.480			J
1,2,3,7,8,9-HxCDF	ND		0.0911	
1,2,3,4,6,7,8-HpCDF	3.88			
1,2,3,4,7,8,9-HpCDF	ND		0.353	
OCDF	9.63			

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C-2,3,7,8-TCDD	96.9	25 - 164	
	13C-1,2,3,7,8-PeCDD	104	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	111	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	107	28 - 130	
	13C-1,2,3,7,8,9-HxCDD	112	32 - 141	
	13C-1,2,3,4,6,7,8-HpCDD	102	23 - 140	
	13C-OCDD	70.1	17 - 157	
	13C-2,3,7,8-TCDF	104	24 - 169	
	13C-1,2,3,7,8-PeCDF	108	24 - 185	
	13C-2,3,4,7,8-PeCDF	104	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	110	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	110	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	112	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	113	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	108	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	101	26 - 138	
	13C-OCDF	73.0	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	99.0	35 - 197	

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

TEQMinWHO2005Dioxin	0.904

TOTALS

Total TCDD	ND	0.0834
Total PeCDD	0.621	0.667
Total HxCDD	2.21	
Total HpCDD	34.9	
Total TCDF	1.32	1.55
Total PeCDF	3.77	5.51
Total HxCDF	9.16	9.60
Total HpCDF	14.1	14.5

DL - Sample specifc estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

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

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

Sample ID: Duplicate **EPA Method 1613B**

Source Client ID:	USMPDI-060RAB-10-20-210317	QC Batch:	B1C0237	Lab Sample:	B1C0237-DUP1
Source LabNumber:	2103216-08	Date Extracted:	30-Mar-2021 6:49	Date Analyzed:	06-Apr-21 19:10 Column: ZB-DIOXIN
Matrix:	Solid				
Sample Size:	12.4 g				

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
2,3,7,8-TCDD	ND	0.0736		
1,2,3,7,8-PeCDD	ND	0.148		
1,2,3,4,7,8-HxCDD	ND	0.255		
1,2,3,6,7,8-HxCDD	ND		0.679	
1,2,3,7,8,9-HxCDD	ND	0.253		
1,2,3,4,6,7,8-HpCDD	22.9			
OCDD	336			
2,3,7,8-TCDF	0.424			J
1,2,3,7,8-PeCDF	0.556			J
2,3,4,7,8-PeCDF	1.01			J
1,2,3,4,7,8-HxCDF	1.94			J
1,2,3,6,7,8-HxCDF	0.480			J
2,3,4,6,7,8-HxCDF	0.717			J
1,2,3,7,8,9-HxCDF	ND		0.253	
1,2,3,4,6,7,8-HpCDF	5.47			
1,2,3,4,7,8,9-HpCDF	ND		0.737	
OCDF	10.5			

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C-2,3,7,8-TCDD	101	25 - 164	
	13C-1,2,3,7,8-PeCDD	112	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	109	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	106	28 - 130	
	13C-1,2,3,7,8,9-HxCDD	111	32 - 141	
	13C-1,2,3,4,6,7,8-HpCDD	96.2	23 - 140	
	13C-OCDD	65.7	17 - 157	
	13C-2,3,7,8-TCDF	98.2	24 - 169	
	13C-1,2,3,7,8-PeCDF	105	24 - 185	
	13C-2,3,4,7,8-PeCDF	106	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	110	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	111	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	110	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	114	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	101	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	95.6	26 - 138	
	13C-OCDF	68.5	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	105	35 - 197	

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

TEQMinWHO2005Dioxin	1.06

TOTALS

Total TCDD	ND	0.166
Total PeCDD	0.459	0.658
Total HxCDD	3.82	4.85
Total HpCDD	49.4	
Total TCDF	2.41	2.56
Total PeCDF	7.16	7.53
Total HxCDF	12.6	13.0
Total HpCDF	18.9	19.6

DL - Sample specifc estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

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

Sample ID: Duplicate **EPA Method 1613B**

Source Client ID: USMPDI-060RAB-10-20-210317
Source LabNumber: 2103216-08
Matrix: Solid

Duplicate Lab Sample: B1C0237-DUP1

Analyte	Dup Conc. (pg/g)	Source Conc.	RPD	RPD Limits
2,3,7,8-TCDD	ND	ND	NA	35
1,2,3,7,8-PeCDD	ND	0.110	#	35
1,2,3,4,7,8-HxCDD	ND	ND	NA	35
1,2,3,6,7,8-HxCDD	ND	0.592	#	35
1,2,3,7,8,9-HxCDD	ND	ND	NA	35
1,2,3,4,6,7,8-HpCDD	22.9	16.1	34.6	35
OCDD	336	210	**45.9**	35
2,3,7,8-TCDF	0.424	ND	#	35
1,2,3,7,8-PeCDF	0.556	0.387	**36.0**	35
2,3,4,7,8-PeCDF	1.01	0.911	10.5	35
1,2,3,4,7,8-HxCDF	1.94	1.36	**35.4**	35
1,2,3,6,7,8-HxCDF	0.480	ND	#	35
2,3,4,6,7,8-HxCDF	0.717	0.480	**39.6**	35
1,2,3,7,8,9-HxCDF	ND	ND	NA	35
1,2,3,4,6,7,8-HpCDF	5.47	3.88	34.1	35
1,2,3,4,7,8,9-HpCDF	ND	ND	NA	35
OCDF	10.5	9.63	9.00	35

	Labeled Standard	Dup %R	Source %R	LCL-UCL
IS	13C-2,3,7,8-TCDD	101	96.9	25 - 164
	13C-1,2,3,7,8-PeCDD	112	104	25 - 181
	13C-1,2,3,4,7,8-HxCDD	109	111	32 - 141
	13C-1,2,3,6,7,8-HxCDD	106	107	28 - 130
	13C-1,2,3,7,8,9-HxCDD	111	112	32 - 141
	13C-1,2,3,4,6,7,8-HpCDD	96.2	102	23 - 140
	13C-OCDD	65.7	70.1	17 - 157
	13C-2,3,7,8-TCDF	98.2	104	24 - 169
	13C-1,2,3,7,8-PeCDF	105	108	24 - 185
	13C-2,3,4,7,8-PeCDF	106	104	21 - 178
	13C-1,2,3,4,7,8-HxCDF	110	110	26 - 152
	13C-1,2,3,6,7,8-HxCDF	111	110	26 - 123
	13C-2,3,4,6,7,8-HxCDF	110	112	28 - 136
	13C-1,2,3,7,8,9-HxCDF	114	113	29 - 147
	13C-1,2,3,4,6,7,8-HpCDF	101	108	28 - 143
	13C-1,2,3,4,7,8,9-HpCDF	95.6	101	26 - 138
	13C-OCDF	68.5	73.0	17 - 157
CRS	37Cl-2,3,7,8-TCDD	105	99.0	35 - 197

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

Sample ID: USMPDI-060RAB-20-28.1-210317

EPA Method 1613B

Client Data
Name: Anchor QEA, LLC
Project: Gascosiltronic: US Moorings
Date Collected: 17-Mar-2021 11:40

Sample Data
Matrix: Soil
Sample Size: 12.7 g
% Solids: 80.3

Laboratory Data
Lab Sample: 2103216-09 Date Received: 19-Mar-2021 11:30
QC Batch: B1C0237 Date Extracted: 30-Mar-2021 6:49
Date Analyzed : 07-Apr-21 11:05 Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
2,3,7,8-TCDD	ND	0.108		
1,2,3,7,8-PeCDD	0.178			J
1,2,3,4,7,8-HxCDD	ND	0.466		
1,2,3,6,7,8-HxCDD	0.766			J
1,2,3,7,8,9-HxCDD	ND	0.417		
1,2,3,4,6,7,8-HpCDD	24.2			
OCDD	292			
2,3,7,8-TCDF	ND		0.259	
1,2,3,7,8-PeCDF	0.509			J
2,3,4,7,8-PeCDF	0.888			J
1,2,3,4,7,8-HxCDF	1.37			J
1,2,3,6,7,8-HxCDF	0.523			J
2,3,4,6,7,8-HxCDF	0.432			J
1,2,3,7,8,9-HxCDF	ND	0.211		
1,2,3,4,6,7,8-HpCDF	4.72			
1,2,3,4,7,8,9-HpCDF	ND	0.226		
OCDF	8.47			

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C-2,3,7,8-TCDD	62.0	25 - 164	
	13C-1,2,3,7,8-PeCDD	71.4	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	83.6	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	89.4	28 - 130	
	13C-1,2,3,7,8,9-HxCDD	97.7	32 - 141	
	13C-1,2,3,4,6,7,8-HpCDD	98.2	23 - 140	
	13C-OCDD	79.0	17 - 157	
	13C-2,3,7,8-TCDF	59.3	24 - 169	
	13C-1,2,3,7,8-PeCDF	68.6	24 - 185	
	13C-2,3,4,7,8-PeCDF	69.3	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	80.5	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	83.9	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	87.3	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	88.4	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	93.9	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	88.0	26 - 138	
	13C-OCDF	75.3	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	63.6	35 - 197	

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

TEQMinWHO2005Dioxin	1.15

TOTALS

Total TCDD	ND	0.254
Total PeCDD	0.388	0.751
Total HxCDD	6.14	6.80
Total HpCDD	54.7	
Total TCDF	1.78	2.54
Total PeCDF	5.87	7.53
Total HxCDF	10.1	
Total HpCDF	15.0	

DL - Sample specifc estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

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

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

Sample ID: USMPDI-1060RAB-00-10-210317

EPA Method 1613B

Client Data
Name: Anchor QEA, LLC
Project: Gascosiltronic: US Moorings
Date Collected: 17-Mar-2021 9:50

Sample Data
Matrix: Soil
Sample Size: 11.7 g
% Solids: 88.0

Laboratory Data
Lab Sample: 2103216-10 Date Received: 19-Mar-2021 11:30
QC Batch: B1C0237 Date Extracted: 30-Mar-2021 6:49
Date Analyzed : 07-Apr-21 11:52 Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
2,3,7,8-TCDD	ND	0.0542		
1,2,3,7,8-PeCDD	ND		0.131	
1,2,3,4,7,8-HxCDD	ND	0.234		
1,2,3,6,7,8-HxCDD	ND		0.778	
1,2,3,7,8,9-HxCDD	ND		0.271	
1,2,3,4,6,7,8-HpCDD	23.7			
OCDD	222			
2,3,7,8-TCDF	0.344			J
1,2,3,7,8-PeCDF	0.402			J
2,3,4,7,8-PeCDF	0.965			J
1,2,3,4,7,8-HxCDF	0.942			J
1,2,3,6,7,8-HxCDF	0.569			J
2,3,4,6,7,8-HxCDF	0.640			J
1,2,3,7,8,9-HxCDF	ND	0.206		
1,2,3,4,6,7,8-HpCDF	6.53			
1,2,3,4,7,8,9-HpCDF	0.354			J
OCDF	10.7			

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C-2,3,7,8-TCDD	109	25 - 164	
	13C-1,2,3,7,8-PeCDD	107	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	118	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	116	28 - 130	
	13C-1,2,3,7,8,9-HxCDD	114	32 - 141	
	13C-1,2,3,4,6,7,8-HpCDD	112	23 - 140	
	13C-OCDD	82.1	17 - 157	
	13C-2,3,7,8-TCDF	114	24 - 169	
	13C-1,2,3,7,8-PeCDF	113	24 - 185	
	13C-2,3,4,7,8-PeCDF	117	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	113	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	114	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	109	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	113	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	107	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	108	26 - 138	
	13C-OCDF	83.1	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	110	35 - 197	

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

TEQMinWHO2005Dioxin	0.927

TOTALS

Total TCDD	0.610	0.899
Total PeCDD	0.876	1.82
Total HxCDD	6.80	7.84
Total HpCDD	53.7	
Total TCDF	4.53	7.56
Total PeCDF	10.1	10.2
Total HxCDF	11.4	
Total HpCDF	17.5	

DL - Sample specifc estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

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

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

Sample ID: USMPDI-064RAB-00-10-210310

EPA Method 1613B

Client Data
Name: Anchor QEA, LLC
Project: Gascosiltronic: US Moorings
Date Collected: 10-Mar-2021 13:35

Sample Data
Matrix: Soil
Sample Size: 12.2 g
% Solids: 84.3

Laboratory Data
Lab Sample: 2103216-11 Date Received: 19-Mar-2021 11:30
QC Batch: B1C0237 Date Extracted: 30-Mar-2021 6:49
Date Analyzed : 07-Apr-21 12:38 Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
2,3,7,8-TCDD	ND		0.194	
1,2,3,7,8-PeCDD	0.314			J
1,2,3,4,7,8-HxCDD	ND	0.256		
1,2,3,6,7,8-HxCDD	1.30			J
1,2,3,7,8,9-HxCDD	0.866			J
1,2,3,4,6,7,8-HpCDD	24.5			
OCDD	169			
2,3,7,8-TCDF	0.411			J
1,2,3,7,8-PeCDF	0.325			J
2,3,4,7,8-PeCDF	1.37			J
1,2,3,4,7,8-HxCDF	0.795			J
1,2,3,6,7,8-HxCDF	0.464			J
2,3,4,6,7,8-HxCDF	0.874			J
1,2,3,7,8,9-HxCDF	ND	0.240		
1,2,3,4,6,7,8-HpCDF	25.5			
1,2,3,4,7,8,9-HpCDF	ND	0.290		
OCDF	19.6			
TOTALS				
Total TCDD	0.850		1.93	
Total PeCDD	2.09		4.32	
Total HxCDD	12.3			
Total HpCDD	46.6			
Total TCDF	6.03		6.53	P
Total PeCDF	15.5			P
Total HxCDF	15.1			
Total HpCDF	46.0			

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C-2,3,7,8-TCDD	87.6	25 - 164	
	13C-1,2,3,7,8-PeCDD	95.3	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	105	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	105	28 - 130	
	13C-1,2,3,7,8,9-HxCDD	111	32 - 141	
	13C-1,2,3,4,6,7,8-HpCDD	107	23 - 140	
	13C-OCDD	78.9	17 - 157	
	13C-2,3,7,8-TCDF	95.2	24 - 169	
	13C-1,2,3,7,8-PeCDF	96.1	24 - 185	
	13C-2,3,4,7,8-PeCDF	97.6	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	102	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	106	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	98.1	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	106	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	101	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	98.8	26 - 138	
	13C-OCDF	80.0	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	94.3	35 - 197	

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

TEQMinWHO2005Dioxin	1.76

DL - Sample specifc estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

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

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

Sample ID: USMPDI-064RAB-10-20-210311

EPA Method 1613B

Client Data
Name: Anchor QEA, LLC
Project: Gascosiltronic: US Moorings
Date Collected: 11-Mar-2021 8:45

Sample Data
Matrix: Soil
Sample Size: 14.5 g
% Solids: 71.0

Laboratory Data
Lab Sample: 2103216-12 Date Received: 19-Mar-2021 11:30
QC Batch: B1C0237 Date Extracted: 30-Mar-2021 6:49
Date Analyzed : 07-Apr-21 13:25 Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
2,3,7,8-TCDD	ND	0.0438		
1,2,3,7,8-PeCDD	ND	0.101		
1,2,3,4,7,8-HxCDD	ND	0.194		
1,2,3,6,7,8-HxCDD	ND	0.201		
1,2,3,7,8,9-HxCDD	ND	0.196		
1,2,3,4,6,7,8-HpCDD	1.21			J
OCDD	8.67			
2,3,7,8-TCDF	ND	0.0471		
1,2,3,7,8-PeCDF	ND	0.0782		
2,3,4,7,8-PeCDF	ND	0.0686		
1,2,3,4,7,8-HxCDF	ND	0.0624		
1,2,3,6,7,8-HxCDF	ND	0.0636		
2,3,4,6,7,8-HxCDF	ND	0.0732		
1,2,3,7,8,9-HxCDF	ND		0.0349	
1,2,3,4,6,7,8-HpCDF	0.234			J
1,2,3,4,7,8,9-HpCDF	ND	0.192		
OCDF	ND	0.334		
TOTALS				
Total TCDD	ND	0.0438		
Total PeCDD	ND		0.225	
Total HxCDD	0.622			
Total HpCDD	2.71			
Total TCDF	0.178		0.284	
Total PeCDF	0.511			
Total HxCDF	0.369		0.404	
Total HpCDF	0.532			

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C-2,3,7,8-TCDD	117	25 - 164	
	13C-1,2,3,7,8-PeCDD	121	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	110	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	117	28 - 130	
	13C-1,2,3,7,8,9-HxCDD	115	32 - 141	
	13C-1,2,3,4,6,7,8-HpCDD	109	23 - 140	
	13C-OCDD	78.0	17 - 157	
	13C-2,3,7,8-TCDF	114	24 - 169	
	13C-1,2,3,7,8-PeCDF	115	24 - 185	
	13C-2,3,4,7,8-PeCDF	116	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	113	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	115	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	105	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	115	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	109	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	103	26 - 138	
	13C-OCDF	79.4	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	117	35 - 197	

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

TEQMinWHO2005Dioxin	0.0170

DL - Sample specifc estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

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

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

Sample ID: USMPDI-064RAB-20-23.4-210311

EPA Method 1613B

Client Data
Name: Anchor QEA, LLC
Project: Gascosiltronic: US Moorings
Date Collected: 11-Mar-2021 10:00

Sample Data
Matrix: Soil
Sample Size: 14.1 g
% Solids: 72.2

Laboratory Data
Lab Sample: 2103216-13 Date Received: 19-Mar-2021 11:30
QC Batch: B1C0237 Date Extracted: 30-Mar-2021 6:49
Date Analyzed : 07-Apr-21 14:12 Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
2,3,7,8-TCDD	ND	0.0458		
1,2,3,7,8-PeCDD	ND	0.100		
1,2,3,4,7,8-HxCDD	ND	0.151		
1,2,3,6,7,8-HxCDD	ND	0.157		
1,2,3,7,8,9-HxCDD	ND	0.160		
1,2,3,4,6,7,8-HpCDD	1.57			J
OCDD	10.7			
2,3,7,8-TCDF	ND	0.0521		
1,2,3,7,8-PeCDF	ND	0.0476		
2,3,4,7,8-PeCDF	0.102			J
1,2,3,4,7,8-HxCDF	ND	0.0515		
1,2,3,6,7,8-HxCDF	ND	0.0539		
2,3,4,6,7,8-HxCDF	ND	0.0665		
1,2,3,7,8,9-HxCDF	ND	0.0786		
1,2,3,4,6,7,8-HpCDF	0.368			J
1,2,3,4,7,8,9-HpCDF	ND	0.111		
OCDF	ND	0.358		

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C-2,3,7,8-TCDD	119	25 - 164	
	13C-1,2,3,7,8-PeCDD	120	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	115	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	118	28 - 130	
	13C-1,2,3,7,8,9-HxCDD	118	32 - 141	
	13C-1,2,3,4,6,7,8-HpCDD	113	23 - 140	
	13C-OCDD	80.3	17 - 157	
	13C-2,3,7,8-TCDF	124	24 - 169	
	13C-1,2,3,7,8-PeCDF	125	24 - 185	
	13C-2,3,4,7,8-PeCDF	128	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	115	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	115	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	104	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	117	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	114	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	109	26 - 138	
	13C-OCDF	81.8	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	120	35 - 197	

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

TEQMinWHO2005Dioxin	0.0532

TOTALS

Total TCDD	ND	0.0458		
Total PeCDD	ND	0.100		
Total HxCDD	0.587		1.34	
Total HpCDD	3.32			
Total TCDF	0.199		0.317	
Total PeCDF	0.693		0.814	
Total HxCDF	0.466		0.526	
Total HpCDF	0.717			

DL - Sample specifc estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

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

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

Sample ID: USMPDI-1064RAB-10-20-210311

EPA Method 1613B

Client Data
Name: Anchor QEA, LLC
Project: Gascosiltronic: US Moorings
Date Collected: 11-Mar-2021 8:45

Sample Data
Matrix: Soil
Sample Size: 14.3 g
% Solids: 71.3

Laboratory Data
Lab Sample: 2103216-14 Date Received: 19-Mar-2021 11:30
QC Batch: B1C0237 Date Extracted: 30-Mar-2021 6:49
Date Analyzed : 07-Apr-21 14:58 Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
2,3,7,8-TCDD	ND	0.0400		
1,2,3,7,8-PeCDD	ND	0.0717		
1,2,3,4,7,8-HxCDD	ND	0.106		
1,2,3,6,7,8-HxCDD	ND	0.113		
1,2,3,7,8,9-HxCDD	ND	0.110		
1,2,3,4,6,7,8-HpCDD	ND	0.182		
OCDD	1.57			J
2,3,7,8-TCDF	ND	0.0320		
1,2,3,7,8-PeCDF	ND	0.0467		
2,3,4,7,8-PeCDF	ND	0.0448		
1,2,3,4,7,8-HxCDF	ND	0.0397		
1,2,3,6,7,8-HxCDF	ND	0.0411		
2,3,4,6,7,8-HxCDF	ND	0.0498		
1,2,3,7,8,9-HxCDF	ND		0.0290	
1,2,3,4,6,7,8-HpCDF	ND	0.0495		
1,2,3,4,7,8,9-HpCDF	ND	0.0771		
OCDF	ND	0.236		

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C-2,3,7,8-TCDD	114	25 - 164	
	13C-1,2,3,7,8-PeCDD	114	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	118	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	118	28 - 130	
	13C-1,2,3,7,8,9-HxCDD	117	32 - 141	
	13C-1,2,3,4,6,7,8-HpCDD	108	23 - 140	
	13C-OCDD	76.1	17 - 157	
	13C-2,3,7,8-TCDF	117	24 - 169	
	13C-1,2,3,7,8-PeCDF	113	24 - 185	
	13C-2,3,4,7,8-PeCDF	120	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	116	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	114	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	110	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	118	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	109	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	106	26 - 138	
	13C-OCDF	78.1	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	119	35 - 197	

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

TEQMinWHO2005Dioxin	0.000471

TOTALS

Total TCDD	ND	0.0400		
Total PeCDD	ND		0.211	
Total HxCDD	ND	0.113		
Total HpCDD	0.248			
Total TCDF	ND		0.0520	
Total PeCDF	ND		0.0430	
Total HxCDF	0.0292		0.0840	
Total HpCDF	ND	0.0771		

DL - Sample specifc estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

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

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

Sample ID: USMPDI-066RAB-00-10-210315

EPA Method 1613B

Client Data
Name: Anchor QEA, LLC
Project: Gascosiltronic: US Moorings
Date Collected: 15-Mar-2021 10:45

Sample Data
Matrix: Soil
Sample Size: 11.4 g
% Solids: 90.2

Laboratory Data
Lab Sample: 2103216-15 Date Received: 19-Mar-2021 11:30
QC Batch: B1C0237 Date Extracted: 30-Mar-2021 6:49
Date Analyzed : 07-Apr-21 15:45 Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
2,3,7,8-TCDD	ND	0.0348		
1,2,3,7,8-PeCDD	ND	0.0653		
1,2,3,4,7,8-HxCDD	ND	0.171		
1,2,3,6,7,8-HxCDD	ND	0.181		
1,2,3,7,8,9-HxCDD	ND	0.162		
1,2,3,4,6,7,8-HpCDD	0.515			J
OCDD	3.59			J
2,3,7,8-TCDF	ND	0.0360		
1,2,3,7,8-PeCDF	ND	0.0422		
2,3,4,7,8-PeCDF	ND	0.0427		
1,2,3,4,7,8-HxCDF	ND	0.0497		
1,2,3,6,7,8-HxCDF	ND	0.0529		
2,3,4,6,7,8-HxCDF	ND	0.0603		
1,2,3,7,8,9-HxCDF	ND		0.0450	
1,2,3,4,6,7,8-HpCDF	ND	0.0634		
1,2,3,4,7,8,9-HpCDF	ND	0.0913		
OCDF	ND	0.187		

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C-2,3,7,8-TCDD	111	25 - 164	
	13C-1,2,3,7,8-PeCDD	110	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	108	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	109	28 - 130	
	13C-1,2,3,7,8,9-HxCDD	112	32 - 141	
	13C-1,2,3,4,6,7,8-HpCDD	104	23 - 140	
	13C-OCDD	76.1	17 - 157	
	13C-2,3,7,8-TCDF	105	24 - 169	
	13C-1,2,3,7,8-PeCDF	112	24 - 185	
	13C-2,3,4,7,8-PeCDF	113	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	110	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	108	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	101	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	113	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	101	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	99.7	26 - 138	
	13C-OCDF	76.6	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	115	35 - 197	

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

TEQMinWHO2005Dioxin	0.00623

TOTALS

Total TCDD	ND	0.0348		
Total PeCDD	ND		0.173	
Total HxCDD	0.198			
Total HpCDD	1.16			
Total TCDF	ND		0.139	
Total PeCDF	0.135		0.440	
Total HxCDF	0.132		0.250	
Total HpCDF	ND	0.0913		

DL - Sample specifc estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

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

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

Sample ID: USMPDI-066RAB-10-20-210315

EPA Method 1613B

Client Data
Name: Anchor QEA, LLC
Project: Gascosiltronic: US Moorings
Date Collected: 15-Mar-2021 11:40

Sample Data
Matrix: Soil
Sample Size: 13.4 g
% Solids: 76.6

Laboratory Data
Lab Sample: 2103216-16 Date Received: 19-Mar-2021 11:30
QC Batch: B1C0237 Date Extracted: 30-Mar-2021 6:49
Date Analyzed : 07-Apr-21 16:32 Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
2,3,7,8-TCDD	ND	0.0359		
1,2,3,7,8-PeCDD	ND	0.0604		
1,2,3,4,7,8-HxCDD	ND	0.161		
1,2,3,6,7,8-HxCDD	ND	0.160		
1,2,3,7,8,9-HxCDD	ND	0.173		
1,2,3,4,6,7,8-HpCDD	ND		0.138	
OCDD	ND		0.690	
2,3,7,8-TCDF	ND	0.0260		
1,2,3,7,8-PeCDF	0.0324			J
2,3,4,7,8-PeCDF	ND	0.0527		
1,2,3,4,7,8-HxCDF	ND	0.0543		
1,2,3,6,7,8-HxCDF	ND	0.0558		
2,3,4,6,7,8-HxCDF	ND	0.0652		
1,2,3,7,8,9-HxCDF	ND	0.0745		
1,2,3,4,6,7,8-HpCDF	ND	0.0326		
1,2,3,4,7,8,9-HpCDF	ND	0.0566		
OCDF	ND	0.202		
TOTALS				
Total TCDD	ND	0.0359		
Total PeCDD	ND		0.139	
Total HxCDD	ND	0.173		
Total HpCDD	ND		0.138	
Total TCDF	ND		0.0320	
Total PeCDF	0.0324		0.149	
Total HxCDF	ND		0.0290	
Total HpCDF	ND	0.0566		

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C-2,3,7,8-TCDD	115	25 - 164	
	13C-1,2,3,7,8-PeCDD	116	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	114	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	116	28 - 130	
	13C-1,2,3,7,8,9-HxCDD	113	32 - 141	
	13C-1,2,3,4,6,7,8-HpCDD	110	23 - 140	
	13C-OCDD	76.4	17 - 157	
	13C-2,3,7,8-TCDF	109	24 - 169	
	13C-1,2,3,7,8-PeCDF	116	24 - 185	
	13C-2,3,4,7,8-PeCDF	116	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	114	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	115	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	105	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	117	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	107	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	100	26 - 138	
	13C-OCDF	77.3	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	115	35 - 197	

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

TEQMinWHO2005Dioxin	0.000972

DL - Sample specifc estimated detection limit
EMPC - Estimated maximum possible concentration
LCL-UCL- Lower control limit - upper control limit
The results are reported in dry weight. The sample size is reported in wet weight.
Min-The TEQ is calculated using zero for the concentration of congeners that are not detected.

Sample ID: USMPDI-066RAB-20-22.5-210315

EPA Method 1613B

Client Data
Name: Anchor QEA, LLC
Project: Gascosiltronic: US Moorings
Date Collected: 15-Mar-2021 13:05

Sample Data
Matrix: Soil
Sample Size: 14.1 g
% Solids: 71.1

Laboratory Data
Lab Sample: 2103216-17 Date Received: 19-Mar-2021 11:30
QC Batch: B1C0237 Date Extracted: 30-Mar-2021 6:49
Date Analyzed : 07-Apr-21 17:18 Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
2,3,7,8-TCDD	ND	0.0439		
1,2,3,7,8-PeCDD	ND	0.104		
1,2,3,4,7,8-HxCDD	ND	0.217		
1,2,3,6,7,8-HxCDD	ND	0.229		
1,2,3,7,8,9-HxCDD	ND	0.219		
1,2,3,4,6,7,8-HpCDD	1.14			J
OCDD	7.62			
2,3,7,8-TCDF	ND	0.0250		
1,2,3,7,8-PeCDF	0.0355			J
2,3,4,7,8-PeCDF	ND	0.0246		
1,2,3,4,7,8-HxCDF	ND	0.0325		
1,2,3,6,7,8-HxCDF	ND	0.0328		
2,3,4,6,7,8-HxCDF	ND	0.0382		
1,2,3,7,8,9-HxCDF	ND	0.0433		
1,2,3,4,6,7,8-HpCDF	ND	0.0310		
1,2,3,4,7,8,9-HpCDF	ND	0.0497		
OCDF	ND	0.178		
TOTALS				
Total TCDD	ND	0.0439		
Total PeCDD	ND		0.271	
Total HxCDD	0.812			
Total HpCDD	2.82			
Total TCDF	ND		0.0270	
Total PeCDF	0.0355		0.0870	
Total HxCDF	ND	0.0433		
Total HpCDF	ND	0.0497		

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C-2,3,7,8-TCDD	111	25 - 164	
	13C-1,2,3,7,8-PeCDD	114	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	118	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	118	28 - 130	
	13C-1,2,3,7,8,9-HxCDD	119	32 - 141	
	13C-1,2,3,4,6,7,8-HpCDD	115	23 - 140	
	13C-OCDD	81.3	17 - 157	
	13C-2,3,7,8-TCDF	121	24 - 169	
	13C-1,2,3,7,8-PeCDF	119	24 - 185	
	13C-2,3,4,7,8-PeCDF	117	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	116	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	114	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	110	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	121	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	113	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	109	26 - 138	
	13C-OCDF	82.6	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	112	35 - 197	

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

TEQMinWHO2005Dioxin	0.0148

DL - Sample specifc estimated detection limit
EMPC - Estimated maximum possible concentration
LCL-UCL- Lower control limit - upper control limit
The results are reported in dry weight. The sample size is reported in wet weight.
Min-The TEQ is calculated using zero for the concentration of congeners that are not detected.

Sample ID: USMPDI-067RAB-00-10-210316

EPA Method 1613B

Client Data
Name: Anchor QEA, LLC
Project: Gascosiltronic: US Moorings
Date Collected: 16-Mar-2021 10:05

Sample Data
Matrix: Soil
Sample Size: 13.2 g
% Solids: 78.2

Laboratory Data
Lab Sample: 2103216-18 Date Received: 19-Mar-2021 11:30
QC Batch: B1C0237 Date Extracted: 30-Mar-2021 6:49
Date Analyzed : 07-Apr-21 18:05 Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
2,3,7,8-TCDD	ND	0.0564		
1,2,3,7,8-PeCDD	ND		0.114	
1,2,3,4,7,8-HxCDD	ND	0.284		
1,2,3,6,7,8-HxCDD	ND	0.302		
1,2,3,7,8,9-HxCDD	ND	0.265		
1,2,3,4,6,7,8-HpCDD	2.72			
OCDD	16.6			
2,3,7,8-TCDF	ND		0.194	
1,2,3,7,8-PeCDF	ND		0.191	
2,3,4,7,8-PeCDF	0.291			J
1,2,3,4,7,8-HxCDF	0.294			J
1,2,3,6,7,8-HxCDF	ND		0.228	
2,3,4,6,7,8-HxCDF	ND		0.194	
1,2,3,7,8,9-HxCDF	ND	0.191		
1,2,3,4,6,7,8-HpCDF	0.832			J
1,2,3,4,7,8,9-HpCDF	ND	0.251		
OCDF	0.855			J

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C-2,3,7,8-TCDD	85.9	25 - 164	
	13C-1,2,3,7,8-PeCDD	94.2	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	97.7	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	101	28 - 130	
	13C-1,2,3,7,8,9-HxCDD	109	32 - 141	
	13C-1,2,3,4,6,7,8-HpCDD	101	23 - 140	
	13C-OCDD	71.0	17 - 157	
	13C-2,3,7,8-TCDF	78.8	24 - 169	
	13C-1,2,3,7,8-PeCDF	90.6	24 - 185	
	13C-2,3,4,7,8-PeCDF	93.5	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	101	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	102	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	98.4	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	111	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	102	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	96.5	26 - 138	
	13C-OCDF	72.8	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	80.7	35 - 197	

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

TEQMinWHO2005Dioxin	0.157

TOTALS

Total TCDD	0.827	1.24	
Total PeCDD	0.667	1.86	
Total HxCDD	2.28	3.35	
Total HpCDD	5.92		
Total TCDF	2.62	3.20	
Total PeCDF	2.39	3.56	
Total HxCDF	1.64	2.43	
Total HpCDF	1.46		

DL - Sample specifc estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

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

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

Sample ID: USMPDI-067RAB-10-20-210316

EPA Method 1613B

Client Data
Name: Anchor QEA, LLC
Project: Gascosiltronic: US Moorings
Date Collected: 16-Mar-2021 11:15

Sample Data
Matrix: Soil
Sample Size: 13.5 g
% Solids: 75.1

Laboratory Data
Lab Sample: 2103216-19 Date Received: 19-Mar-2021 11:30
QC Batch: B1C0237 Date Extracted: 30-Mar-2021 6:49
Date Analyzed : 07-Apr-21 18:52 Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
2,3,7,8-TCDD	ND	0.0570		
1,2,3,7,8-PeCDD	ND	0.157		
1,2,3,4,7,8-HxCDD	ND	0.226		
1,2,3,6,7,8-HxCDD	ND	0.217		
1,2,3,7,8,9-HxCDD	ND		0.115	
1,2,3,4,6,7,8-HpCDD	1.17			J
OCDD	8.59			
2,3,7,8-TCDF	ND	0.0548		
1,2,3,7,8-PeCDF	ND	0.0495		
2,3,4,7,8-PeCDF	ND	0.0482		
1,2,3,4,7,8-HxCDF	ND	0.0450		
1,2,3,6,7,8-HxCDF	ND	0.0419		
2,3,4,6,7,8-HxCDF	ND	0.0517		
1,2,3,7,8,9-HxCDF	ND	0.0660		
1,2,3,4,6,7,8-HpCDF	ND	0.0518		
1,2,3,4,7,8,9-HpCDF	ND	0.109		
OCDF	ND	0.158		
TOTALS				
Total TCDD	ND		0.0795	
Total PeCDD	ND	0.157		
Total HxCDD	0.869		1.58	
Total HpCDD	2.92			
Total TCDF	ND		0.169	
Total PeCDF	ND		0.0782	
Total HxCDF	0.0269			
Total HpCDF	ND	0.109		

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C-2,3,7,8-TCDD	81.1	25 - 164	
	13C-1,2,3,7,8-PeCDD	96.9	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	99.4	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	104	28 - 130	
	13C-1,2,3,7,8,9-HxCDD	111	32 - 141	
	13C-1,2,3,4,6,7,8-HpCDD	105	23 - 140	
	13C-OCDD	78.7	17 - 157	
	13C-2,3,7,8-TCDF	75.0	24 - 169	
	13C-1,2,3,7,8-PeCDF	89.9	24 - 185	
	13C-2,3,4,7,8-PeCDF	89.2	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	98.3	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	101	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	101	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	105	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	103	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	93.7	26 - 138	
	13C-OCDF	79.2	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	79.0	35 - 197	

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

TEQMinWHO2005Dioxin	0.0143

DL - Sample specifc estimated detection limit
EMPC - Estimated maximum possible concentration
LCL-UCL- Lower control limit - upper control limit
The results are reported in dry weight. The sample size is reported in wet weight.
Min-The TEQ is calculated using zero for the concentration of congeners that are not detected.

Sample ID: USMPDI-067RAB-20-21.9-210316

EPA Method 1613B

Client Data
Name: Anchor QEA, LLC
Project: Gascosiltronic: US Moorings
Date Collected: 16-Mar-2021 11:45

Sample Data
Matrix: Soil
Sample Size: 15.9 g
% Solids: 63.3

Laboratory Data
Lab Sample: 2103216-20 Date Received: 19-Mar-2021 11:30
QC Batch: B1C0237 Date Extracted: 30-Mar-2021 6:49
Date Analyzed : 07-Apr-21 19:38 Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
2,3,7,8-TCDD	ND	0.0380		
1,2,3,7,8-PeCDD	ND	0.119		
1,2,3,4,7,8-HxCDD	ND	0.284		
1,2,3,6,7,8-HxCDD	ND	0.339		
1,2,3,7,8,9-HxCDD	0.217			J
1,2,3,4,6,7,8-HpCDD	1.55			J
OCDD	13.7			
2,3,7,8-TCDF	ND	0.0306		
1,2,3,7,8-PeCDF	ND	0.0584		
2,3,4,7,8-PeCDF	ND	0.0500		
1,2,3,4,7,8-HxCDF	ND	0.0481		
1,2,3,6,7,8-HxCDF	ND	0.0464		
2,3,4,6,7,8-HxCDF	ND	0.0517		
1,2,3,7,8,9-HxCDF	ND	0.0712		
1,2,3,4,6,7,8-HpCDF	ND	0.0886		
1,2,3,4,7,8,9-HpCDF	ND	0.142		
OCDF	ND	0.161		
TOTALS				
Total TCDD	ND	0.0380		
Total PeCDD	ND		0.175	
Total HxCDD	1.26		2.02	
Total HpCDD	4.13			
Total TCDF	ND		0.149	
Total PeCDF	ND	0.0584		
Total HxCDF	ND	0.0712		
Total HpCDF	ND	0.142		

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C-2,3,7,8-TCDD	121	25 - 164	
	13C-1,2,3,7,8-PeCDD	114	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	116	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	112	28 - 130	
	13C-1,2,3,7,8,9-HxCDD	118	32 - 141	
	13C-1,2,3,4,6,7,8-HpCDD	107	23 - 140	
	13C-OCDD	80.5	17 - 157	
	13C-2,3,7,8-TCDF	118	24 - 169	
	13C-1,2,3,7,8-PeCDF	114	24 - 185	
	13C-2,3,4,7,8-PeCDF	118	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	117	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	116	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	113	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	119	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	109	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	105	26 - 138	
	13C-OCDF	83.0	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	122	35 - 197	

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

TEQMinWHO2005Dioxin	0.0413

DL - Sample specifc estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

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

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

Sample ID: Method Blank

EPA Method 1699

Matrix: Solid
Sample Size: 1.00 g

QC Batch: B1D0036
Date Extracted: 07-Apr-2021 6:41

Lab Sample: B1D0036-BLK1
Date Analyzed: 14-Apr-21 13:03 Column: ZB-50

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
Lindane (gamma-BHC)	ND	6.94		
Aldrin	ND	0.905		
Oxychlordane	ND	2.12		
trans-Chlordane (gamma)	ND	2.11		
trans-Nonachlor	ND	1.97		
cis-Chlordane (alpha)	ND		2.76	
2,4'-DDE	ND	1.41		
4,4'-DDE	ND	1.79		
Dieldrin	ND		1.19	
cis-Nonachlor	ND	3.12		
2,4'-DDD	ND	2.13		
2,4'-DDT	ND	3.45		
4,4'-DDD	ND	2.35		
4,4'-DDT	ND	3.71		

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C6-Lindane (gamma-BHC)	69.0	11 - 120	
IS	13C12-Aldrin	63.6	5 - 120	
IS	13C10-Oxychlordane	86.3	23 - 135	
IS	13C10-trans-Chlordane (gamma)	81.9	21 - 132	
IS	13C10-trans-Nonachlor	88.1	14 - 136	
IS	13C12-2,4'-DDE	94.2	47 - 160	
IS	13C12-4,4'-DDE	96.3	47 - 160	
IS	13C12-Dieldrin	75.2	40 - 151	
IS	13C10-cis-Nonachlor	72.0	36 - 139	
IS	13C12-2,4'-DDD	92.6	5 - 199	
IS	13C12-2,4'-DDT	75.8	5 - 199	
IS	13C12-4,4'-DDD	92.7	5 - 120	
IS	13C12-4,4'-DDT	82.3	5 - 120	

DL - Sample specifc estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

The results are reported in dry weight.

The sample size is reported in wet weight.

Sample ID: OPR

EPA Method 1699

Matrix:	Solid	QC Batch:	B1D0036	Lab Sample:	B1D0036-BS1
Sample Size:	1.00 g	Date Extracted:	07-Apr-2021 6:41	Date Analyzed:	14-Apr-21 11:28 Column: ZB-50

Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits
Lindane (gamma-BHC)	968	1000	96.8	50 - 120
Aldrin	1000	1000	100	50 - 120
Oxychlordane	992	1000	99.2	50 - 120
trans-Chlordane (gamma)	1090	1000	109	50 - 120
trans-Nonachlor	968	1000	96.8	50 - 120
cis-Chlordane (alpha)	950	1000	95.0	50 - 120
2,4'-DDE	942	1000	94.2	24 - 123
4,4'-DDE	948	1000	94.8	50 - 120
Dieldrin	1070	1000	107	50 - 120
cis-Nonachlor	1050	1000	105	50 - 120
2,4'-DDD	1020	1000	102	50 - 120
2,4'-DDT	1090	1000	109	50 - 120
4,4'-DDD	1000	1000	100	42 - 120
4,4'-DDT	1050	1000	105	50 - 120

	Labeled Standard	%R	LCL-UCL
IS	13C6-Lindane (gamma-BHC)	74.0	5 - 124
IS	13C12-Aldrin	75.2	5 - 126
IS	13C10-Oxychlordane	89.8	5 - 144
IS	13C10-trans-Chlordane (gamma)	84.2	15 - 144
IS	13C10-trans-Nonachlor	93.2	13 - 149
IS	13C12-2,4'-DDE	98.5	26 - 169
IS	13C12-4,4'-DDE	104	26 - 169
IS	13C12-Dieldrin	76.4	19 - 161
IS	13C10-cis-Nonachlor	85.2	17 - 154
IS	13C12-2,4'-DDD	99.0	14 - 200
IS	13C12-2,4'-DDT	86.2	14 - 200
IS	13C12-4,4'-DDD	104	14 - 200
IS	13C12-4,4'-DDT	98.7	13 - 200

LCL-UCL - Lower control limit - upper control limit

Sample ID: Method Blank

EPA Method 1699

Matrix: Solid
Sample Size: 1.00 g

QC Batch: B1D0210
Date Extracted: 27-Apr-2021 7:49

Lab Sample: B1D0210-BLK1
Date Analyzed: 05-May-21 12:28 Column: ZB-50

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
Lindane (gamma-BHC)	ND	3.48		
Aldrin	ND	0.597		
Oxychlordane	ND	2.24		
trans-Chlordane (gamma)	ND	1.68		
trans-Nonachlor	ND	1.44		
cis-Chlordane (alpha)	ND	1.30		
2,4'-DDE	ND	2.02		
4,4'-DDE	ND	2.72		
Dieldrin	ND	1.56		
cis-Nonachlor	ND	2.86		
2,4'-DDD	ND	2.72		
2,4'-DDT	ND	6.07		
4,4'-DDD	ND	2.88		
4,4'-DDT	ND	6.17		

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C6-Lindane (gamma-BHC)	76.9	11 - 120	
IS	13C12-Aldrin	91.0	5 - 120	
IS	13C10-Oxychlordane	80.9	23 - 135	
IS	13C10-trans-Chlordane (gamma)	87.3	21 - 132	
IS	13C10-trans-Nonachlor	74.1	14 - 136	
IS	13C12-2,4'-DDE	65.6	47 - 160	
IS	13C12-4,4'-DDE	65.1	47 - 160	
IS	13C12-Dieldrin	51.5	40 - 151	
IS	13C10-cis-Nonachlor	56.1	36 - 139	
IS	13C12-2,4'-DDD	62.7	5 - 199	
IS	13C12-2,4'-DDT	54.9	5 - 199	
IS	13C12-4,4'-DDD	65.9	5 - 120	
IS	13C12-4,4'-DDT	63.0	5 - 120	

DL - Sample specifc estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

The results are reported in dry weight.

The sample size is reported in wet weight.

Sample ID: OPR

EPA Method 1699

Matrix: Solid
Sample Size: 1.00 g

QC Batch: B1D0210
Date Extracted: 27-Apr-2021 7:49

Lab Sample: B1D0210-BS1
Date Analyzed: 05-May-21 10:53 Column: ZB-50

Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits
Lindane (gamma-BHC)	1010	1000	101	50 - 120
Aldrin	901	1000	90.1	50 - 120
Oxychlordane	851	1000	85.1	50 - 120
trans-Chlordane (gamma)	930	1000	93.0	50 - 120
trans-Nonachlor	941	1000	94.1	50 - 120
cis-Chlordane (alpha)	926	1000	92.6	50 - 120
2,4'-DDE	897	1000	89.7	24 - 123
4,4'-DDE	880	1000	88.0	50 - 120
Dieldrin	918	1000	91.8	50 - 120
cis-Nonachlor	959	1000	95.9	50 - 120
2,4'-DDD	894	1000	89.4	50 - 120
2,4'-DDT	975	1000	97.5	50 - 120
4,4'-DDD	929	1000	92.9	42 - 120
4,4'-DDT	915	1000	91.5	50 - 120

	Labeled Standard	%R	LCL-UCL
IS	13C6-Lindane (gamma-BHC)	77.3	5 - 124
IS	13C12-Aldrin	92.3	5 - 126
IS	13C10-Oxychlordane	95.7	5 - 144
IS	13C10-trans-Chlordane (gamma)	91.9	15 - 144
IS	13C10-trans-Nonachlor	72.2	13 - 149
IS	13C12-2,4'-DDE	69.4	26 - 169
IS	13C12-4,4'-DDE	71.3	26 - 169
IS	13C12-Dieldrin	56.2	19 - 161
IS	13C10-cis-Nonachlor	59.8	17 - 154
IS	13C12-2,4'-DDD	71.8	14 - 200
IS	13C12-2,4'-DDT	66.2	14 - 200
IS	13C12-4,4'-DDD	78.0	14 - 200
IS	13C12-4,4'-DDT	77.3	13 - 200

LCL-UCL - Lower control limit - upper control limit

Sample ID: USMPDI-058RAB-00-10-210317

EPA Method 1699

Client Data

Name: Anchor QEA, LLC
Project: Gascosiltronic: US Moorings
Date Collected: 17-Mar-2021 13:35

Sample Data

Matrix: Soil
Sample Size: 1.13 g
% Solids: 89.9

Laboratory Data

Lab Sample: 2103216-01 Date Received: 19-Mar-2021 11:30
QC Batch: B1D0036 Date Extracted: 07-Apr-2021 6:41
Date Analyzed: 14-Apr-21 13:51 Column: ZB-50

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
Lindane (gamma-BHC)	ND	4.88		
Aldrin	ND	1.13		
Oxychlordane	ND	3.50		
trans-Chlordane (gamma)	22.6			J
trans-Nonachlor	32.1			J
cis-Chlordane (alpha)	27.8			J
2,4'-DDE	12.9			J
4,4'-DDE	1110			
Dieldrin	23.1			J
cis-Nonachlor	ND		10.7	
2,4'-DDD	230			
2,4'-DDT	44.8			
4,4'-DDD	687			
4,4'-DDT	512			

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C6-Lindane (gamma-BHC)	71.7	11 - 120	
IS	13C12-Aldrin	75.4	5 - 120	
IS	13C10-Oxychlordane	88.3	23 - 135	
IS	13C10-trans-Chlordane (gamma)	79.1	21 - 132	
IS	13C10-trans-Nonachlor	84.8	14 - 136	
IS	13C12-2,4'-DDE	96.0	47 - 160	
IS	13C12-4,4'-DDE	101	47 - 160	
IS	13C12-Dieldrin	74.8	40 - 151	
IS	13C10-cis-Nonachlor	73.9	36 - 139	
IS	13C12-2,4'-DDD	91.0	5 - 199	
IS	13C12-2,4'-DDT	75.3	5 - 199	
IS	13C12-4,4'-DDD	86.9	5 - 120	
IS	13C12-4,4'-DDT	82.5	5 - 120	

DL - Sample specifc estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

The results are reported in dry weight.

The sample size is reported in wet weight.

Sample ID: USMPDI-058RAB-10-20-210317

EPA Method 1699

Client Data

Name: Anchor QEA, LLC
Project: Gascosiltronic: US Moorings
Date Collected: 17-Mar-2021 14:25

Sample Data

Matrix: Soil
Sample Size: 1.37 g
% Solids: 84.0

Laboratory Data

Lab Sample: 2103216-02 Date Received: 19-Mar-2021 11:30
QC Batch: B1D0036 Date Extracted: 07-Apr-2021 6:41
Date Analyzed: 15-Apr-21 20:55 Column: ZB-50
21-Apr-21 05:37 Column: ZB-50

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
Lindane (gamma-BHC)	7.62			J
Aldrin	180			
Oxychlordane	ND	6.30		
trans-Chlordane (gamma)	226			
trans-Nonachlor	70.1			
cis-Chlordane (alpha)	199			
2,4'-DDE	320			
4,4'-DDE	1780			
Dieldrin	199			
cis-Nonachlor	ND	16.1		
2,4'-DDD	7590			D
2,4'-DDT	646			
4,4'-DDD	20700			D
4,4'-DDT	4120			

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C6-Lindane (gamma-BHC)	79.3	11 - 120	
IS	13C12-Aldrin	23.8	5 - 120	
IS	13C10-Oxychlordane	61.8	23 - 135	
IS	13C10-trans-Chlordane (gamma)	54.0	21 - 132	
IS	13C10-trans-Nonachlor	82.9	14 - 136	
IS	13C12-2,4'-DDE	103	47 - 160	
IS	13C12-4,4'-DDE	91.7	47 - 160	
IS	13C12-Dieldrin	74.3	40 - 151	
IS	13C10-cis-Nonachlor	57.4	36 - 139	
IS	13C12-2,4'-DDD	87.2	5 - 199	D
IS	13C12-2,4'-DDT	41.9	5 - 199	
IS	13C12-4,4'-DDD	54.4	5 - 120	D
IS	13C12-4,4'-DDT	33.6	5 - 120	

DL - Sample specifc estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

The results are reported in dry weight.

The sample size is reported in wet weight.

Sample ID: USMPDI-058RAB-20-26.2-210317 — EPA Method 1699

Client Data
Name: Anchor QEA, LLC
Project: Gascosiltronic: US Moorings
Date Collected: 17-Mar-2021 15:10

Sample Data
Matrix: Soil
Sample Size: 1.56 g
% Solids: 70.3

Laboratory Data
Lab Sample: 2103216-03 Date Received: 19-Mar-2021 11:30
QC Batch: B1D0036 Date Extracted: 07-Apr-2021 6:41
Date Analyzed: 15-Apr-21 20:07 Column: ZB-50

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
Lindane (gamma-BHC)	ND	2.54		
Aldrin	ND	5.69		
Oxychlordane	ND	5.07		
trans-Chlordane (gamma)	ND	5.58		
trans-Nonachlor	ND	6.57		
cis-Chlordane (alpha)	ND	5.98		
2,4'-DDE	ND	1.86		
4,4'-DDE	ND		13.6	
Dieldrin	ND	7.50		
cis-Nonachlor	ND	18.0		
2,4'-DDD	73.8			
2,4'-DDT	ND	10.2		
4,4'-DDD	152			
4,4'-DDT	ND	15.9		

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C6-Lindane (gamma-BHC)	78.0	11 - 120	
IS	13C12-Aldrin	15.7	5 - 120	
IS	13C10-Oxychlordane	59.9	23 - 135	
IS	13C10-trans-Chlordane (gamma)	48.9	21 - 132	
IS	13C10-trans-Nonachlor	80.1	14 - 136	
IS	13C12-2,4'-DDE	102	47 - 160	
IS	13C12-4,4'-DDE	86.3	47 - 160	
IS	13C12-Dieldrin	70.7	40 - 151	
IS	13C10-cis-Nonachlor	52.3	36 - 139	
IS	13C12-2,4'-DDD	44.6	5 - 199	
IS	13C12-2,4'-DDT	37.1	5 - 199	
IS	13C12-4,4'-DDD	49.8	5 - 120	
IS	13C12-4,4'-DDT	28.3	5 - 120	

DL - Sample specifc estimated detection limit
EMPC - Estimated maximum possible concentration
LCL-UCL - Lower control limit - upper control limit
The results are reported in dry weight.
The sample size is reported in wet weight.

Sample ID: USMPDI-059RAB-00-10-210318

EPA Method 1699

Client Data

Name: Anchor QEA, LLC
Project: Gascosiltronic: US Moorings
Date Collected: 18-Mar-2021 8:40

Sample Data

Matrix: Soil
Sample Size: 1.19 g
% Solids: 88.3

Laboratory Data

Lab Sample: 2103216-04 Date Received: 19-Mar-2021 11:30
QC Batch: B1D0036 Date Extracted: 07-Apr-2021 6:41
Date Analyzed: 15-Apr-21 19:19 Column: ZB-50

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
Lindane (gamma-BHC)	ND	2.57		
Aldrin	ND	1.43		
Oxychlordane	ND	4.62		
trans-Chlordane (gamma)	56.9			
trans-Nonachlor	83.3			
cis-Chlordane (alpha)	ND		69.8	
2,4'-DDE	14.4			J
4,4'-DDE	1350			
Dieldrin	32.0			J
cis-Nonachlor	37.5			J
2,4'-DDD	175			
2,4'-DDT	88.4			
4,4'-DDD	714			
4,4'-DDT	1120			

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C6-Lindane (gamma-BHC)	71.0	11 - 120	
IS	13C12-Aldrin	50.4	5 - 120	
IS	13C10-Oxychlordane	53.0	23 - 135	
IS	13C10-trans-Chlordane (gamma)	41.7	21 - 132	
IS	13C10-trans-Nonachlor	75.6	14 - 136	
IS	13C12-2,4'-DDE	107	47 - 160	
IS	13C12-4,4'-DDE	89.1	47 - 160	
IS	13C12-Dieldrin	73.4	40 - 151	
IS	13C10-cis-Nonachlor	49.9	36 - 139	
IS	13C12-2,4'-DDD	67.9	5 - 199	
IS	13C12-2,4'-DDT	35.2	5 - 199	
IS	13C12-4,4'-DDD	49.9	5 - 120	
IS	13C12-4,4'-DDT	26.5	5 - 120	

DL - Sample specifc estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

The results are reported in dry weight.

The sample size is reported in wet weight.

Sample ID: USMPDI-059RAB-10-20-210318

EPA Method 1699

Client Data

Name:	Anchor QEA, LLC
Project:	Gascosiltronic: US Moorings
Date Collected:	18-Mar-2021 9:35

Sample Data

Matrix:	Soil
Sample Size:	1.27 g
% Solids:	81.0

Laboratory Data

Lab Sample:	2103216-05	Date Received:	19-Mar-2021 11:30
QC Batch:	B1D0036	Date Extracted:	07-Apr-2021 6:41
Date Analyzed:	15-Apr-21 18:30 Column: ZB-50		

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
Lindane (gamma-BHC)	ND	2.80		
Aldrin	ND	2.18		
Oxychlordane	ND	8.04		
trans-Chlordane (gamma)	24.8			J
trans-Nonachlor	ND	10.8		
cis-Chlordane (alpha)	ND	9.78		
2,4'-DDE	22.9			J
4,4'-DDE	256			
Dieldrin	ND		19.5	
cis-Nonachlor	ND	21.1		
2,4'-DDD	324			
2,4'-DDT	79.2			
4,4'-DDD	1420			
4,4'-DDT	299			

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C6-Lindane (gamma-BHC)	63.9	11 - 120	
IS	13C12-Aldrin	50.0	5 - 120	
IS	13C10-Oxychlordane	46.5	23 - 135	
IS	13C10-trans-Chlordane (gamma)	36.8	21 - 132	
IS	13C10-trans-Nonachlor	67.9	14 - 136	
IS	13C12-2,4'-DDE	98.4	47 - 160	
IS	13C12-4,4'-DDE	82.1	47 - 160	
IS	13C12-Dieldrin	66.2	40 - 151	
IS	13C10-cis-Nonachlor	43.1	36 - 139	
IS	13C12-2,4'-DDD	62.3	5 - 199	
IS	13C12-2,4'-DDT	29.5	5 - 199	
IS	13C12-4,4'-DDD	46.6	5 - 120	
IS	13C12-4,4'-DDT	25.9	5 - 120	

DL - Sample specifc estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

The results are reported in dry weight.

The sample size is reported in wet weight.

Sample ID: USMPDI-059RAB-20-25.5-210318

EPA Method 1699

Client Data

Name:	Anchor QEA, LLC
Project:	Gascosiltronic: US Moorings
Date Collected:	18-Mar-2021 10:30

Sample Data

Matrix:	Soil
Sample Size:	1.24 g
% Solids:	81.2

Laboratory Data

Lab Sample:	2103216-06	Date Received:	19-Mar-2021 11:30
QC Batch:	B1D0036	Date Extracted:	07-Apr-2021 6:41
Date Analyzed:	15-Apr-21 17:42	Column:	ZB-50

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
Lindane (gamma-BHC)	ND	2.88		
Aldrin	ND	6.02		
Oxychlordane	ND	10.4		
trans-Chlordane (gamma)	ND		22.5	
trans-Nonachlor	ND	13.6		
cis-Chlordane (alpha)	ND	12.4		
2,4'-DDE	20.5			J
4,4'-DDE	338			
Dieldrin	37.2			J
cis-Nonachlor	ND	30.7		
2,4'-DDD	283			
2,4'-DDT	59.7			
4,4'-DDD	1100			
4,4'-DDT	552			

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C6-Lindane (gamma-BHC)	67.8	11 - 120	
IS	13C12-Aldrin	23.7	5 - 120	
IS	13C10-Oxychlordane	43.1	23 - 135	
IS	13C10-trans-Chlordane (gamma)	34.5	21 - 132	
IS	13C10-trans-Nonachlor	64.3	14 - 136	
IS	13C12-2,4'-DDE	102	47 - 160	
IS	13C12-4,4'-DDE	87.8	47 - 160	
IS	13C12-Dieldrin	67.9	40 - 151	
IS	13C10-cis-Nonachlor	44.0	36 - 139	
IS	13C12-2,4'-DDD	65.7	5 - 199	
IS	13C12-2,4'-DDT	33.8	5 - 199	
IS	13C12-4,4'-DDD	45.2	5 - 120	
IS	13C12-4,4'-DDT	29.0	5 - 120	

DL - Sample specifc estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

The results are reported in dry weight.

The sample size is reported in wet weight.

Sample ID: USMPDI-060RAB-00-10-210317

EPA Method 1699

Client Data

Name: Anchor QEA, LLC
Project: Gascosiltronic: US Moorings
Date Collected: 17-Mar-2021 9:50

Sample Data

Matrix: Soil
Sample Size: 1.20 g
% Solids: 87.7

Laboratory Data

Lab Sample: 2103216-07 Date Received: 19-Mar-2021 11:30
QC Batch: B1D0036 Date Extracted: 07-Apr-2021 6:41
Date Analyzed: 14-Apr-21 21:07 Column: ZB-50

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
Lindane (gamma-BHC)	ND	3.76		
Aldrin	ND	1.03		
Oxychlordane	ND		7.78	
trans-Chlordane (gamma)	29.5			J
trans-Nonachlor	49.5			
cis-Chlordane (alpha)	25.9			J
2,4'-DDE	7.52			J
4,4'-DDE	880			
Dieldrin	27.4			J
cis-Nonachlor	ND		20.1	
2,4'-DDD	78.7			
2,4'-DDT	125			
4,4'-DDD	282			
4,4'-DDT	2320			

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C6-Lindane (gamma-BHC)	71.7	11 - 120	
IS	13C12-Aldrin	63.6	5 - 120	
IS	13C10-Oxychlordane	75.1	23 - 135	
IS	13C10-trans-Chlordane (gamma)	63.3	21 - 132	
IS	13C10-trans-Nonachlor	86.7	14 - 136	
IS	13C12-2,4'-DDE	105	47 - 160	
IS	13C12-4,4'-DDE	94.8	47 - 160	
IS	13C12-Dieldrin	68.5	40 - 151	
IS	13C10-cis-Nonachlor	57.2	36 - 139	
IS	13C12-2,4'-DDD	84.6	5 - 199	
IS	13C12-2,4'-DDT	51.8	5 - 199	
IS	13C12-4,4'-DDD	69.8	5 - 120	
IS	13C12-4,4'-DDT	47.0	5 - 120	

DL - Sample specifc estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

The results are reported in dry weight.

The sample size is reported in wet weight.

Sample ID: USMPDI-060RAB-10-20-210317

EPA Method 1699

Client Data

Name:	Anchor QEA, LLC
Project:	Gascosiltronic: US Moorings
Date Collected:	17-Mar-2021 11:00

Sample Data

Matrix:	Soil
Sample Size:	1.28 g
% Solids:	83.5

Laboratory Data

Lab Sample:	2103216-08	Date Received:	19-Mar-2021 11:30
QC Batch:	B1D0036	Date Extracted:	07-Apr-2021 6:41
Date Analyzed:	15-Apr-21 12:52 Column: ZB-50		

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
Lindane (gamma-BHC)	ND	3.32		
Aldrin	ND		3.39	
Oxychlordane	ND	4.84		
trans-Chlordane (gamma)	ND		18.0	
trans-Nonachlor	4.57			J
cis-Chlordane (alpha)	ND		9.91	
2,4'-DDE	36.6			J
4,4'-DDE	249			
Dieldrin	15.9			J
cis-Nonachlor	ND	4.11		
2,4'-DDD	1200			
2,4'-DDT	118			
4,4'-DDD	3260			
4,4'-DDT	563			

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C6-Lindane (gamma-BHC)	75.5	11 - 120	
IS	13C12-Aldrin	35.1	5 - 120	
IS	13C10-Oxychlordane	77.1	23 - 135	
IS	13C10-trans-Chlordane (gamma)	73.2	21 - 132	
IS	13C10-trans-Nonachlor	80.6	14 - 136	
IS	13C12-2,4'-DDE	97.8	47 - 160	
IS	13C12-4,4'-DDE	104	47 - 160	
IS	13C12-Dieldrin	85.3	40 - 151	
IS	13C10-cis-Nonachlor	80.2	36 - 139	
IS	13C12-2,4'-DDD	89.8	5 - 199	
IS	13C12-2,4'-DDT	66.3	5 - 199	
IS	13C12-4,4'-DDD	85.5	5 - 120	
IS	13C12-4,4'-DDT	69.7	5 - 120	

DL - Sample specifc estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

The results are reported in dry weight.

The sample size is reported in wet weight.

Sample ID: Duplicate

EPA Method 1699

Source Client ID: USMPDI-060RAB-10-20-210317
Source LabNumber: 2103216-08
Matrix: Solid
Sample Size: 1.45 g

QC Batch: B1D0036
Date Extracted: 07-Apr-2021 6:41

Lab Sample: B1D0036-DUP1
Date Analyzed: 15-Apr-21 13:40 Column: ZB-50

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
Lindane (gamma-BHC)	ND	2.82		
Aldrin	ND		2.56	
Oxychlordane	ND	2.36		
trans-Chlordane (gamma)	ND		16.0	
trans-Nonachlor	6.97			J
cis-Chlordane (alpha)	ND	2.39		
2,4'-DDE	30.3			J
4,4'-DDE	194			
Dieldrin	20.8			J
cis-Nonachlor	ND	5.33		
2,4'-DDD	857			
2,4'-DDT	183			
4,4'-DDD	2270			
4,4'-DDT	524			

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C6-Lindane (gamma-BHC)	74.1	11 - 120	
IS	13C12-Aldrin	26.0	5 - 120	
IS	13C10-Oxychlordane	83.7	23 - 135	
IS	13C10-trans-Chlordane (gamma)	78.9	21 - 132	
IS	13C10-trans-Nonachlor	73.1	14 - 136	
IS	13C12-2,4'-DDE	93.1	47 - 160	
IS	13C12-4,4'-DDE	98.6	47 - 160	
IS	13C12-Dieldrin	76.7	40 - 151	
IS	13C10-cis-Nonachlor	73.5	36 - 139	
IS	13C12-2,4'-DDD	83.7	5 - 199	
IS	13C12-2,4'-DDT	61.1	5 - 199	
IS	13C12-4,4'-DDD	78.3	5 - 120	
IS	13C12-4,4'-DDT	60.8	5 - 120	

DL - Sample specifc estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

The results are reported in dry weight.

The sample size is reported in wet weight.

Sample ID: Duplicate

EPA Method 1699

Source Client ID: USMPDI-060RAB-10-20-210317
Source LabNumber: 2103216-08
Matrix: Solid

Duplicate Lab Sample: B1D0036-DUP1

Analyte	Dup Conc. (pg/g)	Source Conc.	RPD	RPD Limit
Lindane (gamma-BHC)	ND	ND	NA	35
Aldrin	ND	ND	NA	35
Oxychlordane	ND	ND	NA	35
trans-Chlordane (gamma)	ND	ND	NA	35
trans-Nonachlor	6.97	4.57	**41.5**	35
cis-Chlordane (alpha)	ND	ND	NA	35
2,4'-DDE	30.3	36.6	19.0	35
4,4'-DDE	194	249	24.7	35
Dieldrin	20.8	15.9	27.1	35
cis-Nonachlor	ND	ND	NA	35
2,4'-DDD	857	1200	33.1	35
2,4'-DDT	183	118	**43.3**	35
4,4'-DDD	2270	3260	**36.0**	35
4,4'-DDT	524	563	7.32	35

Labeled Standard	Dup %R	Source %R	LCL-UCL
IS 13C6-Lindane (gamma-BHC)	74.1	75.5	11 - 120
IS 13C12-Aldrin	26.0	35.1	5 - 120
IS 13C10-Oxychlordane	83.7	77.1	23 - 135
IS 13C10-trans-Chlordane (gamma)	78.9	73.2	21 - 132
IS 13C10-trans-Nonachlor	73.1	80.6	14 - 136
IS 13C12-2,4'-DDE	93.1	97.8	47 - 160
IS 13C12-4,4'-DDE	98.6	104	47 - 160
IS 13C12-Dieldrin	76.7	85.3	40 - 151
IS 13C10-cis-Nonachlor	73.5	80.2	36 - 139
IS 13C12-2,4'-DDD	83.7	89.8	5 - 199
IS 13C12-2,4'-DDT	61.1	66.3	5 - 199
IS 13C12-4,4'-DDD	78.3	85.5	5 - 120
IS 13C12-4,4'-DDT	60.8	69.7	5 - 120

LCL-UCL - Lower control limit - upper control limit.
- Result could not be calculated due to one or more non-detected analytes.
The results are reported in dry weight. The sample size is reported in wet weight.Results reported to the MDL

Sample ID: USMPDI-060RAB-20-28.1-210317

EPA Method 1699

Client Data

Name:	Anchor QEA, LLC
Project:	Gascosiltronic: US Moorings
Date Collected:	17-Mar-2021 11:40

Sample Data

Matrix:	Soil
Sample Size:	1.28 g
% Solids:	80.3

Laboratory Data

Lab Sample:	2103216-09	Date Received:	19-Mar-2021 11:30
QC Batch:	B1D0036	Date Extracted:	07-Apr-2021 6:41
Date Analyzed:	14-Apr-21 20:18	Column:	ZB-50

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
Lindane (gamma-BHC)	ND	4.27		
Aldrin	ND		5.48	
Oxychlordane	ND	5.08		
trans-Chlordane (gamma)	16.0			J
trans-Nonachlor	ND	6.09		
cis-Chlordane (alpha)	ND		8.72	
2,4'-DDE	36.5			J
4,4'-DDE	267			
Dieldrin	ND		17.4	
cis-Nonachlor	ND	14.3		
2,4'-DDD	548			
2,4'-DDT	158			
4,4'-DDD	1910			
4,4'-DDT	503			

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C6-Lindane (gamma-BHC)	49.5	11 - 120	
IS	13C12-Aldrin	56.9	5 - 120	
IS	13C10-Oxychlordane	73.6	23 - 135	
IS	13C10-trans-Chlordane (gamma)	61.7	21 - 132	
IS	13C10-trans-Nonachlor	90.3	14 - 136	
IS	13C12-2,4'-DDE	108	47 - 160	
IS	13C12-4,4'-DDE	99.6	47 - 160	
IS	13C12-Dieldrin	70.7	40 - 151	
IS	13C10-cis-Nonachlor	56.6	36 - 139	
IS	13C12-2,4'-DDD	86.7	5 - 199	
IS	13C12-2,4'-DDT	52.6	5 - 199	
IS	13C12-4,4'-DDD	70.0	5 - 120	
IS	13C12-4,4'-DDT	46.0	5 - 120	

DL - Sample specifc estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

The results are reported in dry weight.

The sample size is reported in wet weight.

Sample ID: USMPDI-1060RAB-00-10-210317

EPA Method 1699

Client Data

Name: Anchor QEA, LLC
Project: Gascosiltronic: US Moorings
Date Collected: 17-Mar-2021 9:50

Sample Data

Matrix: Soil
Sample Size: 1.25 g
% Solids: 88.0

Laboratory Data

Lab Sample: 2103216-10 Date Received: 19-Mar-2021 11:30
QC Batch: B1D0036 Date Extracted: 07-Apr-2021 6:41
Date Analyzed: 14-Apr-21 19:30 Column: ZB-50
15-Apr-21 12:05 Column: ZB-50

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
Lindane (gamma-BHC)	ND	3.54		
Aldrin	ND		1.12	
Oxychlordane	ND		7.80	
trans-Chlordane (gamma)	ND		31.8	
trans-Nonachlor	104			
cis-Chlordane (alpha)	ND		54.8	
2,4'-DDE	14.3			J
4,4'-DDE	1800			
Dieldrin	45.7			
cis-Nonachlor	ND		28.2	
2,4'-DDD	145			
2,4'-DDT	225			
4,4'-DDD	585			
4,4'-DDT	5250			D

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C6-Lindane (gamma-BHC)	73.2	11 - 120	
IS	13C12-Aldrin	71.1	5 - 120	
IS	13C10-Oxychlordane	77.1	23 - 135	
IS	13C10-trans-Chlordane (gamma)	66.3	21 - 132	
IS	13C10-trans-Nonachlor	90.4	14 - 136	
IS	13C12-2,4'-DDE	111	47 - 160	
IS	13C12-4,4'-DDE	101	47 - 160	
IS	13C12-Dieldrin	69.4	40 - 151	
IS	13C10-cis-Nonachlor	55.3	36 - 139	
IS	13C12-2,4'-DDD	84.8	5 - 199	
IS	13C12-2,4'-DDT	49.3	5 - 199	
IS	13C12-4,4'-DDD	64.7	5 - 120	
IS	13C12-4,4'-DDT	72.3	5 - 120	D

DL - Sample specifc estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

The results are reported in dry weight.

The sample size is reported in wet weight.

Sample ID: USMPDI-064RAB-00-10-210310

EPA Method 1699

Client Data

Name: Anchor QEA, LLC
Project: Gascosiltronic: US Moorings
Date Collected: 10-Mar-2021 13:35

Sample Data

Matrix: Soil
Sample Size: 1.28 g
% Solids: 84.3

Laboratory Data

Lab Sample: 2103216-11
QC Batch: B1D0036
Date Analyzed: 06-May-21 14:30 Column: ZB-50
21-Apr-21 04:49 Column: ZB-50

Date Received: 19-Mar-2021 11:30
Date Extracted: 07-Apr-2021 6:41

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
Lindane (gamma-BHC)	ND	11.0		
Aldrin	ND	232		D
Oxychlordane	ND	60.7		
trans-Chlordane (gamma)	ND		338	
trans-Nonachlor	ND		209	
cis-Chlordane (alpha)	445			
2,4'-DDE	248			
4,4'-DDE	2340			
Dieldrin	225			
cis-Nonachlor	ND	240		
2,4'-DDD	2200			
2,4'-DDT	578			
4,4'-DDD	8760			D
4,4'-DDT	3210			

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C6-Lindane (gamma-BHC)	87.4	11 - 120	
IS	13C12-Aldrin	7.24	5 - 120	D
IS	13C10-Oxychlordane	38.3	23 - 135	
IS	13C10-trans-Chlordane (gamma)	26.0	21 - 132	
IS	13C10-trans-Nonachlor	96.3	14 - 136	
IS	13C12-2,4'-DDE	110	47 - 160	
IS	13C12-4,4'-DDE	101	47 - 160	
IS	13C12-Dieldrin	82.9	40 - 151	
IS	13C10-cis-Nonachlor	53.1	36 - 139	
IS	13C12-2,4'-DDD	76.6	5 - 199	
IS	13C12-2,4'-DDT	37.1	5 - 199	
IS	13C12-4,4'-DDD	52.5	5 - 120	D
IS	13C12-4,4'-DDT	31.2	5 - 120	

DL - Sample specifc estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

The results are reported in dry weight.

The sample size is reported in wet weight.

Sample ID: USMPDI-064RAB-10-20-210311

EPA Method 1699

Client Data

Name: Anchor QEA, LLC
Project: Gascosiltronic: US Moorings
Date Collected: 11-Mar-2021 8:45

Sample Data

Matrix: Soil
Sample Size: 1.46 g
% Solids: 71.0

Laboratory Data

Lab Sample: 2103216-12 Date Received: 19-Mar-2021 11:30
QC Batch: B1D0210 Date Extracted: 27-Apr-2021 7:49
Date Analyzed: 05-May-21 14:53 Column: ZB-50

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
Lindane (gamma-BHC)	ND	7.39		
Aldrin	ND	32.1		
Oxychlordane	ND	18.1		
trans-Chlordane (gamma)	ND	20.0		
trans-Nonachlor	ND	18.1		
cis-Chlordane (alpha)	ND	16.4		
2,4'-DDE	23.7			J
4,4'-DDE	202			
Dieldrin	ND	16.9		
cis-Nonachlor	ND	44.6		
2,4'-DDD	220			
2,4'-DDT	ND	27.2		
4,4'-DDD	992			
4,4'-DDT	ND	44.2		

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C6-Lindane (gamma-BHC)	47.0	11 - 120	
IS	13C12-Aldrin	6.39	5 - 120	
IS	13C10-Oxychlordane	32.4	23 - 135	
IS	13C10-trans-Chlordane (gamma)	29.6	21 - 132	
IS	13C10-trans-Nonachlor	40.8	14 - 136	
IS	13C12-2,4'-DDE	93.3	47 - 160	
IS	13C12-4,4'-DDE	79.0	47 - 160	
IS	13C12-Dieldrin	35.1	40 - 151	H
IS	13C10-cis-Nonachlor	26.6	36 - 139	H
IS	13C12-2,4'-DDD	44.5	5 - 199	
IS	13C12-2,4'-DDT	20.6	5 - 199	
IS	13C12-4,4'-DDD	30.4	5 - 120	
IS	13C12-4,4'-DDT	17.8	5 - 120	

DL - Sample specifc estimated detection limit

EMPC - Estimated maximum possible concentration

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

Sample ID: USMPDI-064RAB-20-23.4-210311

EPA Method 1699

Client Data

Name:	Anchor QEA, LLC
Project:	Gascosiltronic: US Moorings
Date Collected:	11-Mar-2021 10:00

Sample Data

Matrix:	Soil
Sample Size:	1.48 g
% Solids:	72.2

Laboratory Data

Lab Sample:	2103216-13	Date Received:	19-Mar-2021 11:30
QC Batch:	B1D0036	Date Extracted:	07-Apr-2021 6:41
Date Analyzed:	14-Apr-21 17:53 Column: ZB-50		

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
Lindane (gamma-BHC)	ND	4.50		
Aldrin	ND	4.18		
Oxychlordane	ND	8.08		
trans-Chlordane (gamma)	16.3			J
trans-Nonachlor	ND	10.4		
cis-Chlordane (alpha)	ND	9.48		
2,4'-DDE	ND		11.6	
4,4'-DDE	100			
Dieldrin	15.4			J
cis-Nonachlor	ND	18.4		
2,4'-DDD	112			
2,4'-DDT	ND	9.91		
4,4'-DDD	451			
4,4'-DDT	117			

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C6-Lindane (gamma-BHC)	71.0	11 - 120	
IS	13C12-Aldrin	38.5	5 - 120	
IS	13C10-Oxychlordane	65.4	23 - 135	
IS	13C10-trans-Chlordane (gamma)	54.5	21 - 132	
IS	13C10-trans-Nonachlor	87.3	14 - 136	
IS	13C12-2,4'-DDE	106	47 - 160	
IS	13C12-4,4'-DDE	93.3	47 - 160	
IS	13C12-Dieldrin	66.3	40 - 151	
IS	13C10-cis-Nonachlor	52.3	36 - 139	
IS	13C12-2,4'-DDD	76.5	5 - 199	
IS	13C12-2,4'-DDT	44.9	5 - 199	
IS	13C12-4,4'-DDD	57.2	5 - 120	
IS	13C12-4,4'-DDT	36.5	5 - 120	

DL - Sample specifc estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

The results are reported in dry weight.

The sample size is reported in wet weight.

Sample ID: USMPDI-1064RAB-10-20-210311

EPA Method 1699

Client Data

Name: Anchor QEA, LLC
Project: Gascosiltronic: US Moorings
Date Collected: 11-Mar-2021 8:45

Sample Data

Matrix: Soil
Sample Size: 1.45 g
% Solids: 71.3

Laboratory Data

Lab Sample: 2103216-14
QC Batch: B1D0036
Date Analyzed: 14-Apr-21 17:05 Column: ZB-50
Date Received: 19-Mar-2021 11:30
Date Extracted: 07-Apr-2021 6:41

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
Lindane (gamma-BHC)	ND	6.46		
Aldrin	ND	15.4		
Oxychlordane	ND		4.99	
trans-Chlordane (gamma)	ND	11.8		
trans-Nonachlor	ND	13.1		
cis-Chlordane (alpha)	ND	11.9		
2,4'-DDE	21.3			J
4,4'-DDE	195			
Dieldrin	ND		28.7	
cis-Nonachlor	ND	32.7		
2,4'-DDD	247			
2,4'-DDT	ND	16.6		
4,4'-DDD	939			
4,4'-DDT	ND	24.8		

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C6-Lindane (gamma-BHC)	79.1	11 - 120	
IS	13C12-Aldrin	12.4	5 - 120	
IS	13C10-Oxychlordane	61.7	23 - 135	
IS	13C10-trans-Chlordane (gamma)	55.7	21 - 132	
IS	13C10-trans-Nonachlor	95.3	14 - 136	
IS	13C12-2,4'-DDE	114	47 - 160	
IS	13C12-4,4'-DDE	97.3	47 - 160	
IS	13C12-Dieldrin	74.9	40 - 151	
IS	13C10-cis-Nonachlor	52.3	36 - 139	
IS	13C12-2,4'-DDD	80.5	5 - 199	
IS	13C12-2,4'-DDT	47.1	5 - 199	
IS	13C12-4,4'-DDD	59.9	5 - 120	
IS	13C12-4,4'-DDT	37.2	5 - 120	

DL - Sample specifc estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

The results are reported in dry weight.

The sample size is reported in wet weight.

Sample ID: USMPDI-066RAB-00-10-210315

EPA Method 1699

Client Data

Name: Anchor QEA, LLC
Project: Gascosiltronic: US Moorings
Date Collected: 15-Mar-2021 10:45

Sample Data

Matrix: Soil
Sample Size: 1.30 g
% Solids: 90.2

Laboratory Data

Lab Sample: 2103216-15 Date Received: 19-Mar-2021 11:30
QC Batch: B1D0036 Date Extracted: 07-Apr-2021 6:41
Date Analyzed: 14-Apr-21 16:16 Column: ZB-50

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
Lindane (gamma-BHC)	ND	4.02		
Aldrin	ND	0.829		
Oxychlordane	ND	2.82		
trans-Chlordane (gamma)	6.38			J
trans-Nonachlor	ND	3.31		
cis-Chlordane (alpha)	ND	3.01		
2,4'-DDE	ND	1.21		
4,4'-DDE	8.20			J
Dieldrin	ND		2.54	
cis-Nonachlor	ND	5.35		
2,4'-DDD	ND	2.35		
2,4'-DDT	ND	5.17		
4,4'-DDD	ND	2.88		
4,4'-DDT	ND	6.58		

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C6-Lindane (gamma-BHC)	75.1	11 - 120	
IS	13C12-Aldrin	77.5	5 - 120	
IS	13C10-Oxychlordane	84.3	23 - 135	
IS	13C10-trans-Chlordane (gamma)	75.1	21 - 132	
IS	13C10-trans-Nonachlor	77.9	14 - 136	
IS	13C12-2,4'-DDE	105	47 - 160	
IS	13C12-4,4'-DDE	102	47 - 160	
IS	13C12-Dieldrin	73.5	40 - 151	
IS	13C10-cis-Nonachlor	56.7	36 - 139	
IS	13C12-2,4'-DDD	83.0	5 - 199	
IS	13C12-2,4'-DDT	52.9	5 - 199	
IS	13C12-4,4'-DDD	68.2	5 - 120	
IS	13C12-4,4'-DDT	48.2	5 - 120	

DL - Sample specifc estimated detection limit

EMPC - Estimated maximum possible concentration

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

Sample ID: USMPDI-066RAB-10-20-210315

EPA Method 1699

Client Data

Name:	Anchor QEA, LLC
Project:	Gascosiltronic: US Moorings
Date Collected:	15-Mar-2021 11:40

Sample Data

Matrix:	Soil
Sample Size:	1.45 g
% Solids:	76.6

Laboratory Data

Lab Sample:	2103216-16	Date Received:	19-Mar-2021 11:30
QC Batch:	B1D0036	Date Extracted:	07-Apr-2021 6:41
Date Analyzed:	15-Apr-21 16:05 Column: ZB-50		

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
Lindane (gamma-BHC)	ND	1.51		
Aldrin	ND		0.288	
Oxychlordane	ND	1.75		
trans-Chlordane (gamma)	3.26			J
trans-Nonachlor	ND	1.88		
cis-Chlordane (alpha)	ND	1.71		
2,4'-DDE	ND	0.579		
4,4'-DDE	ND		3.81	
Dieldrin	2.61			J
cis-Nonachlor	ND	1.57		
2,4'-DDD	ND	1.16		
2,4'-DDT	ND	2.60		
4,4'-DDD	ND	1.42		
4,4'-DDT	ND	3.35		

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C6-Lindane (gamma-BHC)	81.0	11 - 120	
IS	13C12-Aldrin	80.5	5 - 120	
IS	13C10-Oxychlordane	84.1	23 - 135	
IS	13C10-trans-Chlordane (gamma)	75.1	21 - 132	
IS	13C10-trans-Nonachlor	84.6	14 - 136	
IS	13C12-2,4'-DDE	105	47 - 160	
IS	13C12-4,4'-DDE	104	47 - 160	
IS	13C12-Dieldrin	90.2	40 - 151	
IS	13C10-cis-Nonachlor	73.2	36 - 139	
IS	13C12-2,4'-DDD	85.4	5 - 199	
IS	13C12-2,4'-DDT	57.4	5 - 199	
IS	13C12-4,4'-DDD	71.3	5 - 120	
IS	13C12-4,4'-DDT	50.2	5 - 120	

DL - Sample specifc estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

The results are reported in dry weight.

The sample size is reported in wet weight.

Sample ID: USMPDI-066RAB-20-22.5-210315

EPA Method 1699

Client Data

Name:	Anchor QEA, LLC
Project:	Gascosiltronic: US Moorings
Date Collected:	15-Mar-2021 13:05

Sample Data

Matrix:	Soil
Sample Size:	1.54 g
% Solids:	71.1

Laboratory Data

Lab Sample:	2103216-17	Date Received:	19-Mar-2021 11:30
QC Batch:	B1D0036	Date Extracted:	07-Apr-2021 6:41
Date Analyzed:	15-Apr-21 15:17 Column: ZB-50		

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
Lindane (gamma-BHC)	ND	1.90		
Aldrin	ND	0.493		
Oxychlordane	ND	1.41		
trans-Chlordane (gamma)	ND	1.39		
trans-Nonachlor	ND	1.45		
cis-Chlordane (alpha)	ND		1.55	
2,4'-DDE	ND	0.742		
4,4'-DDE	ND	1.03		
Dieldrin	ND	1.39		
cis-Nonachlor	ND	3.13		
2,4'-DDD	ND	1.31		
2,4'-DDT	ND	2.63		
4,4'-DDD	ND	1.70		
4,4'-DDT	ND	3.55		

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C6-Lindane (gamma-BHC)	78.3	11 - 120	
IS	13C12-Aldrin	66.5	5 - 120	
IS	13C10-Oxychlordane	84.6	23 - 135	
IS	13C10-trans-Chlordane (gamma)	76.5	21 - 132	
IS	13C10-trans-Nonachlor	80.8	14 - 136	
IS	13C12-2,4'-DDE	101	47 - 160	
IS	13C12-4,4'-DDE	100	47 - 160	
IS	13C12-Dieldrin	94.4	40 - 151	
IS	13C10-cis-Nonachlor	76.0	36 - 139	
IS	13C12-2,4'-DDD	85.4	5 - 199	
IS	13C12-2,4'-DDT	57.0	5 - 199	
IS	13C12-4,4'-DDD	72.7	5 - 120	
IS	13C12-4,4'-DDT	50.2	5 - 120	

DL - Sample specifc estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

The results are reported in dry weight.

The sample size is reported in wet weight.

Sample ID: USMPDI-067RAB-00-10-210316

EPA Method 1699

Client Data

Name: Anchor QEA, LLC
Project: Gascosiltronic: US Moorings
Date Collected: 16-Mar-2021 10:05

Sample Data

Matrix: Soil
Sample Size: 1.40 g
% Solids: 78.2

Laboratory Data

Lab Sample: 2103216-18 Date Received: 19-Mar-2021 11:30
QC Batch: B1D0036 Date Extracted: 07-Apr-2021 6:41
Date Analyzed: 15-Apr-21 14:29 Column: ZB-50

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
Lindane (gamma-BHC)	ND	2.29		
Aldrin	ND	0.741		
Oxychlordane	ND	2.16		
trans-Chlordane (gamma)	ND		6.44	
trans-Nonachlor	23.4			J
cis-Chlordane (alpha)	ND		6.54	
2,4'-DDE	5.53			J
4,4'-DDE	239			
Dieldrin	6.41			J
cis-Nonachlor	ND	4.50		
2,4'-DDD	14.7			J
2,4'-DDT	149			
4,4'-DDD	31.3			J
4,4'-DDT	1260			

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C6-Lindane (gamma-BHC)	84.6	11 - 120	
IS	13C12-Aldrin	69.7	5 - 120	
IS	13C10-Oxychlordane	81.5	23 - 135	
IS	13C10-trans-Chlordane (gamma)	68.9	21 - 132	
IS	13C10-trans-Nonachlor	81.8	14 - 136	
IS	13C12-2,4'-DDE	105	47 - 160	
IS	13C12-4,4'-DDE	99.1	47 - 160	
IS	13C12-Dieldrin	90.6	40 - 151	
IS	13C10-cis-Nonachlor	64.0	36 - 139	
IS	13C12-2,4'-DDD	81.8	5 - 199	
IS	13C12-2,4'-DDT	50.2	5 - 199	
IS	13C12-4,4'-DDD	62.1	5 - 120	
IS	13C12-4,4'-DDT	39.9	5 - 120	

DL - Sample specifc estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

The results are reported in dry weight.

The sample size is reported in wet weight.

Sample ID: USMPDI-067RAB-10-20-210316

EPA Method 1699

Client Data

Name: Anchor QEA, LLC
Project: Gascosiltronic: US Moorings
Date Collected: 16-Mar-2021 11:15

Sample Data

Matrix: Soil
Sample Size: 1.70 g
% Solids: 75.1

Laboratory Data

Lab Sample: 2103216-19
QC Batch: B1D0036
Date Analyzed: 14-Apr-21 15:28 Column: ZB-50
Date Received: 19-Mar-2021 11:30
Date Extracted: 07-Apr-2021 6:41

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
Lindane (gamma-BHC)	ND	4.65		
Aldrin	ND	14.6		
Oxychlordane	ND	2.52		
trans-Chlordane (gamma)	ND	2.39		
trans-Nonachlor	ND	2.40		
cis-Chlordane (alpha)	ND	2.18		
2,4'-DDE	ND	1.16		
4,4'-DDE	ND		9.05	
Dieldrin	ND		3.38	
cis-Nonachlor	ND	2.40		
2,4'-DDD	ND	2.20		
2,4'-DDT	ND	5.62		
4,4'-DDD	ND	2.73		
4,4'-DDT	ND		57.2	

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C6-Lindane (gamma-BHC)	84.8	11 - 120	
IS	13C12-Aldrin	5.52	5 - 120	
IS	13C10-Oxychlordane	110	23 - 135	
IS	13C10-trans-Chlordane (gamma)	96.6	21 - 132	
IS	13C10-trans-Nonachlor	98.1	14 - 136	
IS	13C12-2,4'-DDE	107	47 - 160	
IS	13C12-4,4'-DDE	108	47 - 160	
IS	13C12-Dieldrin	68.6	40 - 151	
IS	13C10-cis-Nonachlor	67.5	36 - 139	
IS	13C12-2,4'-DDD	93.8	5 - 199	
IS	13C12-2,4'-DDT	57.3	5 - 199	
IS	13C12-4,4'-DDD	80.9	5 - 120	
IS	13C12-4,4'-DDT	55.6	5 - 120	

DL - Sample specifc estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

The results are reported in dry weight.

The sample size is reported in wet weight.

Sample ID: USMPDI-067RAB-20-21.9-210316

EPA Method 1699

Client Data

Name: Anchor QEA, LLC
Project: Gascosiltronic: US Moorings
Date Collected: 16-Mar-2021 11:45

Sample Data

Matrix: Soil
Sample Size: 1.65 g
% Solids: 63.3

Laboratory Data

Lab Sample: 2103216-20 Date Received: 19-Mar-2021 11:30
QC Batch: B1D0036 Date Extracted: 07-Apr-2021 6:41
Date Analyzed: 14-Apr-21 14:40 Column: ZB-50

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
Lindane (gamma-BHC)	ND	5.58		
Aldrin	ND	1.39		
Oxychlordane	ND	2.09		
trans-Chlordane (gamma)	ND	2.08		
trans-Nonachlor	ND	1.81		
cis-Chlordane (alpha)	ND	1.64		
2,4'-DDE	ND	1.25		
4,4'-DDE	ND	1.56		
Dieldrin	ND	1.42		
cis-Nonachlor	ND	2.50		
2,4'-DDD	ND	1.92		
2,4'-DDT	ND	3.52		
4,4'-DDD	ND	2.14		
4,4'-DDT	35.3			J

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C6-Lindane (gamma-BHC)	83.9	11 - 120	
IS	13C12-Aldrin	43.0	5 - 120	
IS	13C10-Oxychlordane	103	23 - 135	
IS	13C10-trans-Chlordane (gamma)	94.6	21 - 132	
IS	13C10-trans-Nonachlor	102	14 - 136	
IS	13C12-2,4'-DDE	108	47 - 160	
IS	13C12-4,4'-DDE	114	47 - 160	
IS	13C12-Dieldrin	78.5	40 - 151	
IS	13C10-cis-Nonachlor	82.0	36 - 139	
IS	13C12-2,4'-DDD	101	5 - 199	
IS	13C12-2,4'-DDT	76.7	5 - 199	
IS	13C12-4,4'-DDD	95.0	5 - 120	
IS	13C12-4,4'-DDT	82.0	5 - 120	

DL - Sample specifc estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

The results are reported in dry weight.

The sample size is reported in wet weight.

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	21-023-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777-26
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2020018
Massachusetts Department of Environmental Protection	M-CA413
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	1980678
New Hampshire Environmental Accreditation Program	207720
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Ohio Environmental Protection Agency	87778
Oregon Laboratory Accreditation Program	4042-016
Pennsylvania Department of Environmental Protection	017
Texas Commission on Environmental Quality	T104704189-21-12
Vermont Department of Health	VT-4042
Virginia Department of General Services	10769
Washington Department of Ecology	C584
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
Polychlorinated Dibenzodioxins in Ambient Air by GC/HRMS	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**
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613/1613B
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	EPA 537.1
Determination of Per- and Polyfluoroalkyl Substances in Drinking Water by Isotope Dilution Anion Exchange Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry	EPA 533
Perfluorooctanesulonate (PFOS) and Perfluorooctanoate (PFOA) - Method for Unfiltered Samples Using Solid Phase Extraction and Liquid Chromatography/Mass Spectrometry	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

2103216 3.4°C

ANCHOR QEA
1201 3rd Avenue, Suite 2600, Seattle, WA 98101

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: VISTA-20210315-093508

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

Project: GascoSiltronic: US Moorings
Client: NW Natural

Sample Custodian: SN
Lab: VISTA

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Collected Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
001	USMPDI-058RAB-00-10-210317	N	SO	03/17/2021	13:35	1	☐				
								Dioxin/Furans	E1613B	30	4°C
								HR Pesticides	E1699	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
002	USMPDI-058RAB-10-20-210317	N	SO	03/17/2021	14:25	1	☐				
								Dioxin/Furans	E1613B	30	4°C
								HR Pesticides	E1699	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
003	USMPDI-058RAB-20-26.2-210317	N	SO	03/17/2021	15:10	1	☐				
								Dioxin/Furans	E1613B	30	4°C
								HR Pesticides	E1699	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
004	USMPDI-059RAB-00-10-210318	N	SO	03/18/2021	8:40	1	☐				
								Dioxin/Furans	E1613B	30	4°C
								HR Pesticides	E1699	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
005	USMPDI-059RAB-10-20-210318	N	SO	03/18/2021	9:35	1	☐				
								Dioxin/Furans	E1613B	30	4°C
								HR Pesticides	E1699	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
006	USMPDI-059RAB-20-25.5-210318	N	SO	03/18/2021	10:30	1	☐				

Comment:

Relinquished By	Received By	Relinquished By	Received By	Relinquished By	Received By
Signature	Signature	Signature	Signature	Signature	Signature
Print Name Sasha Norwood	Print Name	Print Name	Print Name	Print Name	Print Name
Company Anchor QEA	Company VAL	Company	Company	Company	Company
Date/Time 3/18/21 @1435	Date/Time 03/19/21 11:30	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

Date Printed: 3/18/2021

2103216

ANCHOR QEA
1201 3rd Avenue, Suite 2600 Seattle, WA 98101

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: VISTA-20210315-093508

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

Project: GascoSiltronic: US Moorings
Client: NW Natural

Sample Custodian: SN
Lab: VISTA

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Collected Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
006	USMPDI-059RAB-20-25.5-210318	N	SO	03/18/2021	10:30	1	☐				
								Dioxin/Furans	E1613B	30	4°C
								HR Pesticides	E1699	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
007	USMPDI-060RAB-00-10-210317	N	SO	03/17/2021	9:50	1	☐				
								Dioxin/Furans	E1613B	30	4°C
								HR Pesticides	E1699	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
008	USMPDI-060RAB-10-20-210317	N	SO	03/17/2021	11:00	2	☒				
								Dioxin/Furans	E1613B	30	4°C
								HR Pesticides	E1699	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
009	USMPDI-060RAB-20-28.1-210317	N	SO	03/17/2021	11:40	1	☐				
								Dioxin/Furans	E1613B	30	4°C
								HR Pesticides	E1699	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
010	USMPDI-1060RAB-00-10-210317	FD	SO	03/17/2021		1	☐				
								Dioxin/Furans	E1613B	30	4°C
								HR Pesticides	E1699	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
011	USMPDI-064RAB-00-10-210310	N	SO	03/10/2021	13:35	1	☐				

Comment:

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature	Signature	Signature	Signature	Signature	Signature
Print Name: Tasha Norwood	Print Name	Print Name	Print Name	Print Name	Print Name
Company: Anchor QEA	Company: AL	Company	Company	Company	Company
Date/Time: 3/18/21 @ 1435	Date/Time: 03/19/21 11:32	Date/Time	Date/Time	Date/Time	Date/Time

Date Printed: 3/18/2021

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

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2103216

ANCHOR QEA
1201 3rd Avenue, Suite 2600 Seattle, WA 98101

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: VISTA-20210315-093508

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

Project: GascoSiltronic: US Moorings
Client: NW Natural

Sample Custodian: SN
Lab: VISTA

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Collected Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
011	USMPDI-064RAB-00-10-210310	N	SO	03/10/2021	13:35	1	☐				
								Dioxin/Furans	E1613B	30	4°C
								HR Pesticides	E1699	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
012	USMPDI-064RAB-10-20-210311	N	SO	03/11/2021	8:45	1	☐				
								Dioxin/Furans	E1613B	30	4°C
								HR Pesticides	E1699	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
013	USMPDI-064RAB-20-23.4-210311	N	SO	03/11/2021	10:00	1	☐				
								Dioxin/Furans	E1613B	30	4°C
								HR Pesticides	E1699	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
014	USMPDI-1064RAB-10-20-210311	FD	SO	03/11/2021		1	☐				
								Dioxin/Furans	E1613B	30	4°C
								HR Pesticides	E1699	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
015	USMPDI-066RAB-00-10-210315	N	SO	03/15/2021	10:45	1	☐				
								Dioxin/Furans	E1613B	30	4°C
								HR Pesticides	E1699	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
016	USMPDI-066RAB-10-20-210315	N	SO	03/15/2021	11:40	1	☐				

Comment:

Relinquished By	Received By	Relinquished By	Received By	Relinquished By	Received By:
Signature	Signature	Signature	Signature	Signature	Signature
Print Name Sasha Norwood	Print Name Karen Y. Arost	Print Name	Print Name	Print Name	Print Name
Company Anchor QEA	Company VAL	Company	Company	Company	Company
Date/Time 3/18/21 @ 1430	Date/Time 03/19/21 11:30	Date/Time	Date/Time	Date/Time	Date/Time

Date Printed: 3/18/2021

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

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2103216

ANCHOR QEA
1201 3rd Avenue, Suite 2600, Seattle, WA 98101

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

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

Project: GascoSiltronic: US Moorings
Client: NW Natural

COC ID: VISTA-20210315-093508
Sample Custodian: SN
Lab: VISTA

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Collected Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
016	USMPDI-066RAB-10-20-210315	N	SO	03/15/2021	11:40	1	☐				
								Dioxin/Furans	E1613B	30	4°C
								HR Pesticides	E1699	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
017	USMPDI-066RAB-20-22.5-210315	N	SO	03/15/2021	13:05	1	☐				
								Dioxin/Furans	E1613B	30	4°C
								HR Pesticides	E1699	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
018	USMPDI-067RAB-00-10-210316	N	SO	03/16/2021	10:05	1	☐				
								Dioxin/Furans	E1613B	30	4°C
								HR Pesticides	E1699	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
019	USMPDI-067RAB-10-20-210316	N	SO	03/16/2021	11:15	1	☐				
								Dioxin/Furans	E1613B	30	4°C
								HR Pesticides	E1699	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
020	USMPDI-067RAB-20-21.9-210316	N	SO	03/16/2021	11:45	1	☐				
								Dioxin/Furans	E1613B	30	4°C
								HR Pesticides	E1699	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
(D) 021	USMPDI-068RAB-00-10-210311	N	SO	03/11/2021	13:55	1	☐				

Comment:

Relinquished By	Received By	Relinquished By	Received By	Relinquished By	Received By
Signature	Signature	Signature	Signature	Signature	Signature
Print Name: Fisher Norwood	Print Name: Karen Y. Adler	Print Name	Print Name	Print Name	Print Name
Company: Anchor QEA	Company: UAL	Company	Company	Company	Company
Date/Time: 3/18/21 0145	Date/Time: 03/19/21 11:20	Date/Time	Date/Time	Date/Time	Date/Time

Date Printed: 3/18/2021

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

(D) WO#2103219

Vista Analytical Laboratory

Sample Log-In Checklist

Page # 1 of 1

Vista Work Order #: 2103216 **TAT** Std

Samples Arrival:	**Date/Time** 03/19/21 11:30		**Initials:** KA		**Location:** WR-2 **Shelf/Rack:** N/A		
Delivered By:	(FedEx)	UPS	On Trac	GLS	DHL	Hand Delivered	Other
Preservation:	(Ice)		Blue Ice		Techni Ice	Dry Ice	None
Temp °C: 3.4 (uncorrected) **Temp °C:** 3.4 (corrected)			**Probe used:** Y / (N)		**Thermometer ID:** IR-4		

	YES	NO	NA
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?			✓
Airbill ✓ Trk # 7732 0430 4374	✓		
Shipping Documentation Present?	✓		
Shipping Container: Vista / (Client) / Retain / (Return) / Dispose			
Chain of Custody / Sample Documentation Present?	✓		
Chain of Custody / Sample Documentation Complete?	✓		
Holding Time Acceptable?	✓		

Logged In:	**Date/Time** 03/22/21 12:30	**Initials:** KA	**Location:** WR-2 **Shelf/Rack:** D-5	
COC Anomaly/Sample Acceptance Form completed?			✓	✓

Comments:

CoC/Label Reconciliation Report WO# 2103216

LabNumber	CoC Sample ID	SampleAlias	Sample Date/Time	Container	BaseMatrix	Report Matrix	Sample Comments
2103216-01	A USMPDI-058RAB-00-10-21031 7		17-Mar-21 13:35	Amber Glass, 120 mL	Solid	Soil	
2103216-02	A USMPDI-058RAB-10-20-21031 7		17-Mar-21 14:25	Amber Glass, 120 mL	Solid	Soil	
2103216-03	A USMPDI-058RAB-20-26.2-210 317		17-Mar-21 15:10	Amber Glass, 120 mL	Solid	Soil	
2103216-04	A USMPDI-059RAB-00-10-21031 8		18-Mar-21 08:40	Amber Glass, 120 mL	Solid	Soil	
2103216-05	A USMPDI-059RAB-10-20-21031 8		18-Mar-21 09:35	Amber Glass, 120 mL	Solid	Soil	
2103216-06	A USMPDI-059RAB-20-25.5-210 318		18-Mar-21 10:30	Amber Glass, 120 mL	Solid	Soil	
2103216-07	A USMPDI-060RAB-00-10-21031 7		17-Mar-21 09:50	Amber Glass, 120 mL	Solid	Soil	
2103216-08	A USMPDI-060RAB-10-20-21031 7		17-Mar-21 11:00	Amber Glass, 120 mL	Solid	Soil	DUP
2103216-08	B USMPDI-060RAB-10-20-21031 7		17-Mar-21 11:00	Amber Glass, 120 mL	Solid	Soil	DUP
2103216-09	A USMPDI-060RAB-20-28.1-210 317		17-Mar-21 11:40	Amber Glass, 120 mL	Solid	Soil	
2103216-10	A USMPDI-1060RAB-00-10-2103 17		17-Mar-21 09:50	Amber Glass, 120 mL	Solid	Soil	
2103216-11	A USMPDI-064RAB-00-10-21031 0		10-Mar-21 13:35	Amber Glass, 120 mL	Solid	Soil	
2103216-12	A USMPDI-064RAB-10-20-21031 1		11-Mar-21 08:45	Amber Glass, 120 mL	Solid	Soil	
2103216-13	A USMPDI-064RAB-20-23.4-210 311		11-Mar-21 10:00	Amber Glass, 120 mL	Solid	Soil	
2103216-14	A USMPDI-1064RAB-10-20-2103 11		11-Mar-21 08:45	Amber Glass, 120 mL	Solid	Soil	
2103216-15	A USMPDI-066RAB-00-10-21031 5		15-Mar-21 10:45	Amber Glass, 120 mL	Solid	Soil	
2103216-16	A USMPDI-066RAB-10-20-21031 5		15-Mar-21 11:40	Amber Glass, 120 mL	Solid	Soil	
2103216-17	A USMPDI-066RAB-20-22.5-210 315		15-Mar-21 13:05	Amber Glass, 120 mL	Solid	Soil	
2103216-18	A USMPDI-067RAB-00-10-21031 6		16-Mar-21 10:05	Amber Glass, 120 mL	Solid	Soil	
2103216-19	A USMPDI-067RAB-10-20-21031 6		16-Mar-21 11:15	Amber Glass, 120 mL	Solid	Soil	
2103216-20	A USMPDI-067RAB-20-21.9-210 316		16-Mar-21 11:45	Amber Glass, 120 mL	Solid	Soil	

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: A) Sample time was taken from the sample label.

Preservation Documented: Na2S2O3 Trizma NH4CH3CO2 None (All) Other

Verifed by/Date: VR 03/22/21

EXTRACTION INFORMATION

Process Sheet

Workorder: 2103216

Prep Expiration: 2022-03-10
Client: Anchor QEA, LLC

Workorder Due: 16-Apr-21 00:00

TAT: 28

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

Prep Batch: BLC0237

Prep Data Entered: TC 04/01/21
Date and Initials

Initial Sequence: SID0008

LabSampleID	Recon	ClientSampleID	Date Received	Location	Comments
2103216-01 A	☒	USMPDI-058RAB-00-10-210317	19-Mar-21 11:30	WR-2 D-5	
2103216-02	☒	USMPDI-058RAB-10-20-210317	19-Mar-21 11:30	WR-2 D-5	
2103216-03	☒	USMPDI-058RAB-20-26.2-210317	19-Mar-21 11:30	WR-2 D-5	
2103216-04	☒	USMPDI-059RAB-00-10-210318	19-Mar-21 11:30	WR-2 D-5	
2103216-05	☒	USMPDI-059RAB-10-20-210318	19-Mar-21 11:30	WR-2 D-5	
2103216-06	☒	USMPDI-059RAB-20-25.5-210318	19-Mar-21 11:30	WR-2 D-5	
2103216-07	☒	USMPDI-060RAB-00-10-210317	19-Mar-21 11:30	WR-2 D-5	
2103216-08	☒	USMPDI-060RAB-10-20-210317	19-Mar-21 11:30	WR-2 D-5	**DUP**
2103216-09	☒	USMPDI-060RAB-20-28.1-210317	19-Mar-21 11:30	WR-2 D-5	
2103216-10	☒	USMPDI-1060RAB-00-10-210317	19-Mar-21 11:30	WR-2 D-5	
2103216-11	☒	USMPDI-064RAB-00-10-210310	19-Mar-21 11:30	WR-2 D-5	
2103216-12	☒	USMPDI-064RAB-10-20-210311	19-Mar-21 11:30	WR-2 D-5	
2103216-13	☒	USMPDI-064RAB-20-23.4-210311	19-Mar-21 11:30	WR-2 D-5	
2103216-14	☒	USMPDI-1064RAB-10-20-210311	19-Mar-21 11:30	WR-2 D-5	
2103216-15	☒	USMPDI-066RAB-00-10-210315	19-Mar-21 11:30	WR-2 D-5	
2103216-16	☒	USMPDI-066RAB-10-20-210315	19-Mar-21 11:30	WR-2 D-5	
2103216-17	☒	USMPDI-066RAB-20-22.5-210315	19-Mar-21 11:30	WR-2 D-5	
2103216-18	☒	USMPDI-067RAB-00-10-210316	19-Mar-21 11:30	WR-2 D-5	
2103216-19	☒	USMPDI-067RAB-10-20-210316	19-Mar-21 11:30	WR-2 D-5	
2103216-20	☒	USMPDI-067RAB-20-21.9-210316	19-Mar-21 11:30	WR-2 D-5	

WO Comments: **1613: 10g dw**

1699: DDX, 5 Chlordanes, Dieldrin, Aldrin, Lindane (14 cmpds)

Pre-Prep Check Out: KMT 03/25/21

Pre-Prep Check In: KMT 03/25/21

Prep Check Out: 03/30/21

Prep Check In: 03/30/21

Prep Reconciled Initals/Date: KMT 03/25/21

Spike Reconciled Initals/Date: RR 03/30/21

VialBoxID: Pickle

PREPARATION BENCH SHEET

Matrix: Solid

B1C0237

Chemist: RR

Method: 1613 Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 30-Mar-21 06:49

Sox	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	CRS/PS CHEM/WIT DATE	AP CHEM/ DATE	ABSG CHEM/ DATE	AA CHEM/ DATE	Florisil CHEM/ DATE	RS CHEM/WIT DATE
	Column Packer:						TC 04/01/21	TC 04/01/21		
A5	B1C0237-BLK1	N/A	(10.00)	RR KMT 03/30/21	AO TC 03/31/21	NA	AO 04 03/01/21	AO 04/01/21	AO 04/01/21	AO TC 04/01/21
A6	B1C0237-BS1	N/A	(10.00)							
A7	B1C0237-DUP1 2103216-08 (A) (3)	11.98	12.38				brown			
A8	2103216-01	11.12	11.15							
A9	2103216-02	11.91	12.32							
A10	2103216-03	14.22	14.36							
A11	2103216-04 (2)	11.32	11.42							
A12	2103216-05	12.35	12.54							
B1	2103216-06	12.31	12.54							
B2	2103216-07	11.40	11.81							
B3	2103216-08 (3)	11.98	12.05							
C4	2103216-09	12.45	12.72							
B5	2103216-10	11.37	11.68							
B6	2103216-11	11.87	12.24				black			
B7	2103216-12	14.09	14.45							

IS: 20H2602, 10uL (V6)

NS: 20F0107 (V4), 10uL

PS/CRS: 20H2501, 10uL (V5)

RS: 20H2502, 10uL (V5)

Dioxin PCB PAH PEST PBDE HCB

Cycle Time

Start Date/Time: 03/30/21 1320

Stop Date/Time: 03/31/21 700

APP: SEFUN SOX SDS

SOLV: Toluene

Other: n/a

Final Volume(s): C14 20 mL

Check Out: Chemist/Date: KMT 03/30/21

Check In: Chemist/Date: KMT 03/30/21

Balance ID: HRMS 08

Soxhlet Siphoned Chemist/Date: KMT 03/30/21 KMT 03/30/21

Vial Transfer Chemist/Date: TC 04/01/21

Notes:

(3) AO 03/31/21

(A) all columns were yellow as well as brown AO 04/01/21

(2) AO 04/01/21

Comments:

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

PREPARATION BENCH SHEET

Matrix: Solid

B1C0237

Chemist: RR

Method: 1613 Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 30-Mar-21 06:49

					Column Packer:		TC 04/01/21	TC 04/01/21		
Sox	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	CRS/PS CHEM/WIT DATE	AP CHEM/ DATE	ABSG CHEM/ DATE	AA CHEM/ DATE	Florisil CHEM/ DATE	RS CHEM/WIT DATE
B8	2103216-13 (A)	13.85	14.09	RR KMT 03/30/21	AO TC 03/31/21	NA	AO 04/01/21	AO 04/01/21	AO 04/01/21	AO TC 04/01/21
B9	2103216-14	14.02	14.28				brown			
B10	2103216-15	11.09	11.37							
B11	2103216-16	13.05	13.40							
B12	2103216-17	14.06	14.10							
C1	2103216-18	12.78	13.17							
C2	2103216-19	13.32	13.45							
C3	2103216-20	15.81	15.94							

(V6)

IS: 20H2602, 10mL

NS: 20F0107 (V4), 10mL

PS/CRS: 20H2501, 10mL

RS: 20H2502, 10mL (V5)

Diox/F PCB PAH PEST PBDE HCB

Cycle Time

Start Date/Time: 03/30/21 1320

Stop Date/Time: 03/31/21

APP: SEFUN SOX (SDS)

SOLV: Toluene

Other: N/A

Final Volume(s): CH 20 mL

Check Out Chemist/Date: KMT 03/30/21

Check In Chemist/Date: KMT 03/30/21

Balance ID: HRMS-08

Soxhlet Siphoned Chemist/Date: KMT 03/30/21

Vial Transfer Chemist/Date: AO 04/11/21

Notes:

Comments:

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

Batch: B1C0237

Matrix: Solid

LabNumber	WetWeight Initial (g)	% Solids (Extraction Solids)	DryWeight Initial (g)	Final (uL)	Extracted	Ext By	Spike	SpikeAmount (uL)	ClientMatrix	Analysis
2103216-01	11.15	89.92805	10.0270	20	30-Mar-21 06:49	ACO			Soil	1613 Full List
2103216-02	12.32	83.96017	10.3439	20	30-Mar-21 06:49	ACO			Soil	1613 Full List
2103216-03	14.36	70.31964	10.0979	20	30-Mar-21 06:49	ACO			Soil	1613 Full List
2103216-04	11.42	88.33992	10.0884	20	30-Mar-21 06:49	ACO			Soil	1613 Full List
2103216-05	12.54	80.98721	10.1558	20	30-Mar-21 06:49	ACO			Soil	1613 Full List
2103216-06	12.54	81.24137	10.1877	20	30-Mar-21 06:49	ACO			Soil	1613 Full List
2103216-07	11.81	87.68407	10.3555	20	30-Mar-21 06:49	ACO			Soil	1613 Full List
2103216-08	12.05	83.48766	10.0603	20	30-Mar-21 06:49	ACO			Soil	1613 Full List
2103216-09	12.72	80.343	10.2196	20	30-Mar-21 06:49	ACO			Soil	1613 Full List
2103216-10	11.68	87.96896	10.2748	20	30-Mar-21 06:49	ACO			Soil	1613 Full List
2103216-11	12.24	84.26573	10.3141	20	30-Mar-21 06:49	ACO			Soil	1613 Full List
2103216-12	14.45	70.98515	10.2574	20	30-Mar-21 06:49	ACO			Soil	1613 Full List
2103216-13	14.09	72.19463	10.1722	20	30-Mar-21 06:49	ACO			Soil	1613 Full List
2103216-14	14.28	71.31148	10.1833	20	30-Mar-21 06:49	ACO			Soil	1613 Full List
2103216-15	11.37	90.18758	10.2543	20	30-Mar-21 06:49	ACO			Soil	1613 Full List
2103216-16	13.4	76.64974	10.2711	20	30-Mar-21 06:49	ACO			Soil	1613 Full List
2103216-17	14.1	71.12427	10.0285	20	30-Mar-21 06:49	ACO			Soil	1613 Full List
2103216-18	13.17	78.22581	10.3023	20	30-Mar-21 06:49	ACO			Soil	1613 Full List
2103216-19	13.45	75.10289	10.1013	20	30-Mar-21 06:49	ACO			Soil	1613 Full List
2103216-20	15.94	63.25203	10.0824	20	30-Mar-21 06:49	ACO			Soil	1613 Full List
B1C0237-BLK1	10			20	30-Mar-21 06:49	ACO				QC
B1C0237-BS1	10			20	30-Mar-21 06:49	ACO	20F0107	10		QC
B1C0237-DUP1	12.38	83.48766	10.3358	20	30-Mar-21 06:49	ACO				QC

All bolded data on report verified against written benchsheet by (initial/date) TC 04/01/21

Printed: 4/1/2021 2:16:53PM
Page 1 of 1

Percent Moisture/ Percent Solids

D2216-90 BATCH ID B1C0207

Analyst: KMT **Test Code:** %Moist/%Solids

Analyte: **Units:** %

Dried at 110°C+/-5°C

Oven ID: 01 02

Data Entry Verified by: (Initial and Date) 03/26/21

Inst HRMS-08

Date/Time IN:	Date/Time OUT
03/25/21 1355	03/26/21 1020

	B	C	D	E	F	G	H	I	K	L	M	N	O	P
				Intial and Date:	KMT 03/25/21	AO 03/26/21			KMT 03/25/21			NA		KMT 03/25/21
Particle Size	SampID		SampType	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*
	2103216-01		Sample	1.2600	9.6000	8.7600	7.5000	89.93	SAND	NA	NA	NA	NA	X
	2103216-02		Sample	1.2700	10.3100	8.8600	7.5900	83.96	SAND	NA	NA	NA	NA	X
	2103216-03		Sample	1.2600	7.8300	5.8800	4.6200	70.32	CLAY	NA	NA	NA	NA	X
	2103216-04		Sample	1.2600	6.3200	5.7300	4.4700	88.34	SAND	NA	NA	NA	NA	X
	2103216-05		Sample	1.2600	6.7300	5.6900	4.4300	80.99	SAND	NA	NA	NA	NA	X
	2103216-06		Sample	1.2700	8.5200	7.1600	5.8900	81.24	SOIL	NA	NA	NA	NA	X
	2103216-07		Sample	1.2700	8.7400	7.8200	6.5500	87.68	SOIL	NA	NA	NA	NA	X
	2103216-08		Sample	1.2600	7.7400	6.6700	5.4100	83.49	SOIL	NA	NA	NA	NA	X
	2103216-09		Sample	1.2700	8.8500	7.3600	6.0900	80.34	SAND	NA	NA	NA	NA	X
	2103216-10		Sample	1.2600	8.9900	8.0600	6.8000	87.97	SAND	NA	NA	NA	NA	X
	2103216-11		Sample	1.2700	9.8500	8.5000	7.2300	84.27	SOIL	NA	NA	NA	NA	X
	2103216-12		Sample	1.2600	8.6700	6.5200	5.2600	70.99	CLAY	NA	NA	NA	NA	X
	2103216-13		Sample	1.2600	11.3300	8.5300	7.2700	72.19	MUD	NA	NA	NA	NA	X
	2103216-14		Sample	1.2600	12.2400	9.0900	7.8300	71.31	MUD	NA	NA	NA	NA	X
	2103216-15		Sample	1.2500	8.1800	7.5000	6.2500	90.19	SAND	NA	NA	NA	NA	X
	2103216-16		Sample	1.2600	15.0500	11.8300	10.5700	76.65	SOIL	NA	NA	NA	NA	X
	2103216-17		Sample	1.2500	9.7000	7.2600	6.0100	71.12	MUD	NA	NA	NA	NA	X
	2103216-18		Sample	1.2600	8.7000	7.0800	5.8200	78.23	SAND	NA	NA	NA	NA	X
	2103216-19		Sample	1.2600	10.9800	8.5600	7.3000	75.10	MUD	NA	NA	NA	NA	X
	2103216-20		Sample	1.2700	7.4200	5.1600	3.8900	63.25	CLAY	NA	NA	NA	NA	X

*Sample homogenized in sample container unless otherwise noted.

Percent Moisture/ Percent Solids

D2216-90 BATCH ID B1C0207

Analyst: KMT	Test Code: %Moist/%Solids
Analyte:	Units: %
Dried at 110°C+/-5°C	
Oven ID: 01 (02)	

Data Entry Verified by:
(Initial and Date)_____

Inst HRMS-08

Date/Time IN: 03/25/21 1355 Date/Time OUT: 03/26/21 1355 1020 AO 03/26/21

	B	C	D	E	F	G	H	I	K	L	M	N	O	P
				Intial and Date:	KMT 03/25/21	AO 03/26/21			KMT 03/25/21			N/A		KMT 03/25/21
Particle Size	SampID		SampType	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*
	2103216-01		Sample	1.26	9.60	8.76			Sand	N/A	N/A	N/A	N/A	X
	2103216-02		Sample	1.27	10.31	8.86			↓	N/A				X
	2103216-03		Sample	1.26	7.83	5.88			clay	N/A				X
	2103216-04		Sample	1.26	6.32	5.73			Sand	N/A				X
	2103216-05		Sample	1.26	6.73	5.69			↓	N/A				X
	2103216-06		Sample	1.27	8.52	7.10			Soil	N/A				X
	2103216-07		Sample	1.27	8.74	7.82			↓					X
	2103216-08		Sample	1.26	7.74	6.607								X
	2103216-09		Sample	1.27	8.85	7.36			Sand					X
	2103216-10		Sample	1.26	8.99	8.06			↓					X
	2103216-11		Sample	1.27	9.85	8.50			soil					X
	2103216-12		Sample	1.26	8.67	6.52			clay					X
	2103216-13		Sample	1.26	11.33	8.53			Mud					X
	2103216-14		Sample	1.26	12.24	9.09			↓					X
	2103216-15		Sample	1.25	8.18	7.50			Sand					X
	2103216-16		Sample	1.26	15.05	11.83			Soil					X
	2103216-17		Sample	1.25	9.70	7.26			Mud					X
	2103216-18		Sample	1.26	8.70	7.08			Sand					X
	2103216-19		Sample	1.26	10.98	8.56			mud					X
	2103216-20		Sample	1.27	7.42	5.16			clay	↓	↓	↓	↓	X

*Sample homogenized in sample container unless otherwise noted.

Rx 04/01/21

Process Sheet

Workorder: 2103216

Prep Expiration: 2022-03-10
Client: Anchor QEA, LLC

Workorder Due: 16-Apr-21 00:00

TAT: 28

Method: **1699 Full List**
Matrix: **Solid**

Prep Batch: BID0036

Also run: **Percent Solids**

Prep Data Entered: 04/13/21 RR
Date and Initials

Initial Sequence: S1DD031H

LabSampID	A/B	Prep Rec	Spike Rec	ClientSampleID	Comments	Location	Container
2103216-01		☑	☑	USMPDI-058RAB-00-10-210317		WR-2 D-5	Amber Glass, 120 mL
2103216-02		☑	☑	USMPDI-058RAB-10-20-210317		WR-2 D-5	Amber Glass, 120 mL
2103216-03		☑	☑	USMPDI-058RAB-20-26.2-210317		WR-2 D-5	Amber Glass, 120 mL
2103216-04		☑	☑	USMPDI-059RAB-00-10-210318		WR-2 D-5	Amber Glass, 120 mL
2103216-05		☑	☑	USMPDI-059RAB-10-20-210318		WR-2 D-5	Amber Glass, 120 mL
2103216-06		☑	☑	USMPDI-059RAB-20-25.5-210318		WR-2 D-5	Amber Glass, 120 mL
2103216-07		☑	☑	USMPDI-060RAB-00-10-210317		WR-2 D-5	Amber Glass, 120 mL
2103216-08		☑	☑	USMPDI-060RAB-10-20-210317	DUP	WR-2 D-5	Amber Glass, 120 mL
2103216-09		☑	☑	USMPDI-060RAB-20-28.1-210317		WR-2 D-5	Amber Glass, 120 mL
2103216-10		☑	☑	USMPDI-1060RAB-00-10-210317		WR-2 D-5	Amber Glass, 120 mL
2103216-11		☑	☑	USMPDI-064RAB-00-10-210310		WR-2 D-5	Amber Glass, 120 mL
2103216-12		☑	☑	USMPDI-064RAB-10-20-210311		WR-2 D-5	Amber Glass, 120 mL
2103216-13		☑	☑	USMPDI-064RAB-20-23.4-210311		WR-2 D-5	Amber Glass, 120 mL
2103216-14		☑	☑	USMPDI-1064RAB-10-20-210311		WR-2 D-5	Amber Glass, 120 mL
2103216-15		☑	☑	USMPDI-066RAB-00-10-210315		WR-2 D-5	Amber Glass, 120 mL
2103216-16		☑	☑	USMPDI-066RAB-10-20-210315		WR-2 D-5	Amber Glass, 120 mL
2103216-17		☑	☑	USMPDI-066RAB-20-22.5-210315		WR-2 D-5	Amber Glass, 120 mL
2103216-18		☑	☑	USMPDI-067RAB-00-10-210316		WR-2 D-5	Amber Glass, 120 mL
2103216-19		☑	☑	USMPDI-067RAB-10-20-210316		WR-2 D-5	Amber Glass, 120 mL
2103216-20		☑	☑	USMPDI-067RAB-20-21.9-210316		WR-2 D-5	Amber Glass, 120 mL

WO Comments: **1613: 10g dw**

1699: DDX, 5 Chlordanes, Dieldrin, Aldrin, Lindane (14 cmpds)

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

Prep Check Out: AO 04/07/21
Prep Check In: AO 04/07/21

Prep Reconciled Initals/Date: AO 04/07/21
Spike Reconciled Initals/Date: OF 04/07/21
VialBoxID: FIRE RED 5

PREPARATION BENCH SHEET

Matrix: Solid

B1D0036

Chemist: RR

Method: 1699 Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 07-Apr-21 06:41

					Column Packer:	NA	RR 04/09/21	RR 04/12/21	RR 04/12/21	
Sox	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	CRS/PS CHEM/WIT DATE	AP CHEM/ DATE	ABSG CHEM/ DATE	~~Chromat AA~~ CHEM/ DATE	Florisil CHEM/ DATE	RS CHEM/WIT DATE
A1	B1D0036-BLK1	NA	(1.00)	RR ME 04/09/21	NA	NA	RR 04/09/21	RR 04/12/21	RR 04/12/21	RR ME 04/13/21
A2	B1D0036-BS1	I	(1.00)							
A3	B1D0036-DUP1 2103216-08RE1	1.20	1.45							
A4	2103216-01RE1	1.11	1.13							
A6	2103216-02RE1	1.19	1.37				yellow			
A7	2103216-03RE1	1.42	1.56							
A8	2103216-04RE1	1.13	1.19							
A9	2103216-05RE1	1.23	1.27							
A10	2103216-06RE1	1.23	1.24							
A11	2103216-07RE1	1.14	1.20							
A12	2103216-08RE1	1.20	1.28							
B1	2103216-09RE1	1.24	1.28							
B2	2103216-10RE1	1.14	1.25							
B3	2103216-11RE1	1.19	1.28				yellow			
B5	2103216-12RE1	1.41	1.59							

IS: 20B2016 (V8), 10uL (V2)

NS: 21B0401, 10uL

PS/CRS: NA

RS: 20B2017, 10uL (V4)

Diox/F PCB PAH PEST PBDE HCB

Cycle Time

Start Date/Time: 04/07/21 1150

Stop Date/Time: 04/08/21 720

APP: SEFUN SOX (SDS)

SOLV: 70:30

Other: NA

Final Volume(s): Cq 20uL

Check Out: Chemist/Date: N QO 04/07/21

Check In: Chemist/Date: QO 04/07/21

Balance ID: HRMS-8

Soxhlet Siphoned Chemist/Date: RR 04/07/21

Vial Transfer Chemist/Date: RR 04/12/21

Notes:

Comments:

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

PREPARATION BENCH SHEET

Matrix: Solid

B1D0036

Chemist: RR

Method: 1699 Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 07-Apr-21 06:41

					Column Packer:	NA	RR 04/09/21	RR 04/12/21	RR 04/12/21	
Sox	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	CRS/PS CHEM/WIT DATE	AP CHEM/ DATE	ABSG CHEM/ DATE	~~Chromo LAA~~ CHEM/ DATE	Florisil CHEM/ DATE	RS CHEM/WIT DATE
B6	2103216-13RE1	1.39	1.48	RR ME 04/07/21	NA	NA	RR 04/09/21	RR 04/12/21	RR 04/12/21	RR ME 04/13/21
B7	2103216-14RE1	1.40	1.45				yellow			
B8	2103216-15RE1	1.11	1.30							
B9	2103216-16RE1	1.30	1.45							
B10	2103216-17RE1	1.41	1.54							
B11	2103216-18RE1	1.28	1.40				yellow			
B12	2103216-19RE1	1.33	1.70							
C1	2103216-20RE1	1.58	1.65							

IS: 20B2016, 10mL (V6, V2)

NS: 21B0401, 10mL (V2)

PS/CRS: — NA —

RS: 20B2017, 10mL (V9)

Diox/F PCB PAH ~~PEST~~ PBDE HCB

Cycle Time

Start Date/Time: 04/07/21 1130

Stop Date/Time: 04/08/21

APP: SEFUN SOX (SDS)

SOLV: 70:30

Other: NA

Final Volume(s): C9 20uL

Check Out: Chemist/Date: RR 04/07/21

Check In: Chemist/Date: RR 04/07/21

Balance ID: HRMS-8

Soxhlet Siphoned Chemist/Date: RR 04/07/21

Vial Transfer Chemist/Date: RR 04/13/21

Notes:

Comments:

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

Batch: B1D0036

Matrix: Solid

LabNumber	WetWeight Initial (g)	% Solids (Extraction Solids)	DryWeight Initial (g)	Final (uL)	Extracted	Ext By	Spike	SpikeAmount (uL)	ClientMatrix	Analysis
2103216-01RE1	1.13	89.92805	1.0162	20	07-Apr-21 06:41	RR			Soil	1699 Full List
2103216-02RE1	1.37	83.96017	1.1503	20	07-Apr-21 06:41	RR			Soil	1699 Full List
2103216-03RE1	1.56	70.31964	1.0970	20	07-Apr-21 06:41	RR			Soil	1699 Full List
2103216-04RE1	1.19	88.33992	1.0512	20	07-Apr-21 06:41	RR			Soil	1699 Full List
2103216-05RE1	1.27	80.98721	1.0285	20	07-Apr-21 06:41	RR			Soil	1699 Full List
2103216-06RE1	1.24	81.24137	1.0074	20	07-Apr-21 06:41	RR			Soil	1699 Full List
2103216-07RE1	1.2	87.68407	1.0522	20	07-Apr-21 06:41	RR			Soil	1699 Full List
2103216-08RE1	1.28	83.48766	1.0686	20	07-Apr-21 06:41	RR			Soil	1699 Full List
2103216-09RE1	1.28	80.343	1.0284	20	07-Apr-21 06:41	RR			Soil	1699 Full List
2103216-10RE1	1.25	87.96896	1.0996	20	07-Apr-21 06:41	RR			Soil	1699 Full List
2103216-11RE1	1.28	84.26573	1.0786	20	07-Apr-21 06:41	RR			Soil	1699 Full List
2103216-12RE1	1.59	70.98515	1.1287	20	07-Apr-21 06:41	RR			Soil	1699 Full List
2103216-13RE1	1.48	72.19463	1.0685	20	07-Apr-21 06:41	RR			Soil	1699 Full List
2103216-14RE1	1.45	71.31148	1.0340	20	07-Apr-21 06:41	RR			Soil	1699 Full List
2103216-15RE1	1.3	90.18758	1.1724	20	07-Apr-21 06:41	RR			Soil	1699 Full List
2103216-16RE1	1.45	76.64974	1.1114	20	07-Apr-21 06:41	RR			Soil	1699 Full List
2103216-17RE1	1.54	71.12427	1.0953	20	07-Apr-21 06:41	RR			Soil	1699 Full List
2103216-18RE1	1.4	78.22581	1.0952	20	07-Apr-21 06:41	RR			Soil	1699 Full List
2103216-19RE1	1.7	75.10289	1.2767	20	07-Apr-21 06:41	RR			Soil	1699 Full List
2103216-20RE1	1.65	63.25203	1.0437	20	07-Apr-21 06:41	RR			Soil	1699 Full List
B1D0036-BLK1	1			20	07-Apr-21 06:41	RR				QC
B1D0036-BS1	1			20	07-Apr-21 06:41	RR	21B0401	10		QC
B1D0036-DUP1	1.45	83.48766	1.2891	20	07-Apr-21 06:41	RR				QC

All bolded data on report verified against written benchsheet by (initial/date) RR/04/13/21

Printed: 4/13/2021 12:40:26PM
Page 1 of 1

Percent Moisture/ Percent Solids

D2216-90 BATCH ID B1C0207

Analyst: KMT	Test Code: %Moist/%Solids
Analyte:	Units: %
Dried at 110°C+/-5°C	
Oven ID: 01 02	

Data Entry Verified by: (Initial and Date) 03/26/21

Inst HRMS-08

Date/Time IN:	Date/Time OUT
03/25/21 1355	03/26/21 1020

	B	C	D	E	F	G	H	I	K	L	M	N	O	P
				Intial and Date:	KMT 03/25/21	AO 03/26/21			KMT 03/25/21			NA		KMT 03/25/21
Particle Size	SampID		SampType	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*
	2103216-01		Sample	1.2600	9.6000	8.7600	7.5000	89.93	SAND	NA	NA	NA	NA	X
	2103216-02		Sample	1.2700	10.3100	8.8600	7.5900	83.96	SAND	NA	NA	NA	NA	X
	2103216-03		Sample	1.2600	7.8300	5.8800	4.6200	70.32	CLAY	NA	NA	NA	NA	X
	2103216-04		Sample	1.2600	6.3200	5.7300	4.4700	88.34	SAND	NA	NA	NA	NA	X
	2103216-05		Sample	1.2600	6.7300	5.6900	4.4300	80.99	SAND	NA	NA	NA	NA	X
	2103216-06		Sample	1.2700	8.5200	7.1600	5.8900	81.24	SOIL	NA	NA	NA	NA	X
	2103216-07		Sample	1.2700	8.7400	7.8200	6.5500	87.68	SOIL	NA	NA	NA	NA	X
	2103216-08		Sample	1.2600	7.7400	6.6700	5.4100	83.49	SOIL	NA	NA	NA	NA	X
	2103216-09		Sample	1.2700	8.8500	7.3600	6.0900	80.34	SAND	NA	NA	NA	NA	X
	2103216-10		Sample	1.2600	8.9900	8.0600	6.8000	87.97	SAND	NA	NA	NA	NA	X
	2103216-11		Sample	1.2700	9.8500	8.5000	7.2300	84.27	SOIL	NA	NA	NA	NA	X
	2103216-12		Sample	1.2600	8.6700	6.5200	5.2600	70.99	CLAY	NA	NA	NA	NA	X
	2103216-13		Sample	1.2600	11.3300	8.5300	7.2700	72.19	MUD	NA	NA	NA	NA	X
	2103216-14		Sample	1.2600	12.2400	9.0900	7.8300	71.31	MUD	NA	NA	NA	NA	X
	2103216-15		Sample	1.2500	8.1800	7.5000	6.2500	90.19	SAND	NA	NA	NA	NA	X
	2103216-16		Sample	1.2600	15.0500	11.8300	10.5700	76.65	SOIL	NA	NA	NA	NA	X
	2103216-17		Sample	1.2500	9.7000	7.2600	6.0100	71.12	MUD	NA	NA	NA	NA	X
	2103216-18		Sample	1.2600	8.7000	7.0800	5.8200	78.23	SAND	NA	NA	NA	NA	X
	2103216-19		Sample	1.2600	10.9800	8.5600	7.3000	75.10	MUD	NA	NA	NA	NA	X
	2103216-20		Sample	1.2700	7.4200	5.1600	3.8900	63.25	CLAY	NA	NA	NA	NA	X

*Sample homogenized in sample container unless otherwise noted.

Percent Moisture/ Percent Solids

D2216-90 BATCH ID B1C0207

Analyst: KMT | Test Code: %Moist/%Solids | Data Entry Verified by: (Initial and Date) NA

Analyte: | Units: %

Dried at 110°C+/-5°C

Oven ID: 01 (02)

Inst HRMS-08

Date/Time IN: 03/25/21 1355 | Date/Time OUT: 03/26/21 1020

	B	C	D	E	F	G	H	I	K	L	M	N	O	P
				Intial and Date:	KMT 03/25/21	QA 03/26/21			KMT 03/25/21			N/A		KMT 03/25/21
Particle Size	SampID		SampType	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*
	2103216-01		Sample	1.26	9.60	8.76			Sand	N/A	N/A	N/A	N/A	Y
	2103216-02		Sample	1.27	10.31	8.86			↓	N/A				Y
	2103216-03		Sample	1.26	7.83	5.88			clay	N/A				Y
	2103216-04		Sample	1.26	6.32	5.73			Sand	N/A				Y
	2103216-05		Sample	1.26	6.73	5.69			↓	N/A				Y
	2103216-06		Sample	1.27	8.52	7.10			Soil	N/A				Y
	2103216-07		Sample	1.27	8.74	7.82			↓					Y
	2103216-08		Sample	1.26	7.74	6.67								Y
	2103216-09		Sample	1.27	8.85	7.36			Sand					Y
	2103216-10		Sample	1.26	8.99	8.06			↓					Y
	2103216-11		Sample	1.27	9.85	8.50			soil					X
	2103216-12		Sample	1.26	8.67	6.52			clay					X
	2103216-13		Sample	1.26	11.33	8.53			Mud					X
	2103216-14		Sample	1.26	12.24	9.09			↓					X
	2103216-15		Sample	1.25	8.18	7.50			Sand					X
	2103216-16		Sample	1.26	15.05	11.83			Soil					X
	2103216-17		Sample	1.25	9.70	7.26			Mud			3		X
	2103216-18		Sample	1.26	8.70	7.08			Sand					X
	2103216-19		Sample	1.26	10.98	8.56			mud					X
	2103216-20		Sample	1.27	7.42	5.16			clay	↓	↓	↓	↓	X

*Sample homogenized in sample container unless otherwise noted.

RK

Process Sheet

Workorder: 2103216

Prep Expiration: 2022-03-10
Client: Anchor QEA, LLC

Workorder Due: 16-Apr-21 00:00
TAT: 28

Method: **1699 Full List**
Matrix: **Solid**
Client Matrix: Soil
Also run: **Percent Solids**

Prep Batch: BID0210

Prep Data Entered: 05/03/21 RR
Date and Initials

Initial Sequence: S1260007

LabSampleID	A/B	Prep Rec	Spike Rec	ClientSampleID	Date Received	Location	Comments
2103216-01		☐	☐	USMPDI-058RAB-00-10-210317	19-Mar-21 11:30	WR-2 D-5	
2103216-02		☐	☐	USMPDI-058RAB-10-20-210317	19-Mar-21 11:30	WR-2 D-5	
2103216-03		☐	☐	USMPDI-058RAB-20-26.2-210317	19-Mar-21 11:30	WR-2 D-5	
2103216-04		☐	☐	USMPDI-059RAB-00-10-210318	19-Mar-21 11:30	WR-2 D-5	
2103216-05		☐	☐	USMPDI-059RAB-10-20-210318	19-Mar-21 11:30	WR-2 D-5	
2103216-06		☐	☐	USMPDI-059RAB-20-25.5-210318	19-Mar-21 11:30	WR-2 D-5	
2103216-07		☐	☐	USMPDI-060RAB-00-10-210317	19-Mar-21 11:30	WR-2 D-5	
2103216-08		☐	☐	USMPDI-060RAB-10-20-210317	19-Mar-21 11:30	WR-2 D-5	**DUP**
2103216-09		☐	☐	USMPDI-060RAB-20-28.1-210317	19-Mar-21 11:30	WR-2 D-5	
2103216-10		☐	☐	USMPDI-1060RAB-00-10-210317	19-Mar-21 11:30	WR-2 D-5	
2103216-11		☑	☑	USMPDI-064RAB-00-10-210310	19-Mar-21 11:30	WR-2 D-5	
2103216-12		☑	☑	USMPDI-064RAB-10-20-210311	19-Mar-21 11:30	WR-2 D-5	
2103216-13		☐	☐	USMPDI-064RAB-20-23.4-210311	19-Mar-21 11:30	WR-2 D-5	
2103216-14		☐	☐	USMPDI-1064RAB-10-20-210311	19-Mar-21 11:30	WR-2 D-5	
2103216-15		☐	☐	USMPDI-066RAB-00-10-210315	19-Mar-21 11:30	WR-2 D-5	
2103216-16		☐	☐	USMPDI-066RAB-10-20-210315	19-Mar-21 11:30	WR-2 D-5	
2103216-17		☐	☐	USMPDI-066RAB-20-22.5-210315	19-Mar-21 11:30	WR-2 D-5	
2103216-18		☐	☐	USMPDI-067RAB-00-10-210316	19-Mar-21 11:30	WR-2 D-5	
2103216-19		☐	☐	USMPDI-067RAB-10-20-210316	19-Mar-21 11:30	WR-2 D-5	
2103216-20		☐	☐	USMPDI-067RAB-20-21.9-210316	19-Mar-21 11:30	WR-2 D-5	

WO Comments: **1613: 10g dw**

1699: DDX, 5 Chlordanes, Dieldrin, Aldrin, Lindane (14 cmpds)

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

Prep Check Out: QO 04/27/21
Prep Check In: QO 04/27/21

Prep Reconciled Initals/Date: QO 04/27/21
Spike Reconciled Initals/Date: QF 04/27/21
VialBoxID: Sunday

Page 2 of 2

PREPARATION BENCH SHEET

Matrix: Solid

Method: 1699 Full List

B1D0210

Chemist: RR

Prep Date/Time: 27-Apr-21 07:49

Prepared using: HRMS - Soxhlet

					Column Packer:	NA	RR 05/03/21	RR 05/03/21	RR 05/03/21	
Sox	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	CRS/PS CHEM/WIT DATE	AP CHEM/ DATE	ABSG CHEM/ DATE	~~Charcoal~~ AA CHEM/ DATE	Florisil CHEM/ DATE	RS CHEM/WIT DATE
	B1D0210-BLK1	NA	(1.00)	RR ME 04/27/21	NA	NA	RR 05/03/21	RR 05/03/21	RR 05/03/21	RR ME 05/03/21
	B1D0210-BS1	↓	(1.00)							
	2103216-11RE2	1.19	1.31				Brown/ yellow			
	2103216-12RE2	1.41	1.46				yellow			
	2103219-03RE1	1.46	1.48							
	2103219-06RE1	1.49	1.79	↓	↓	↓	↓	↓	↓	↓

IS: 20B2016 (V8) 10uL

NS: 21B0401 (V8) 10uL

PS/CRS: NA

RS: 20B2017 (V8) 10uL

Diox/F PCB PAH (PEST) PBDE HCB

Cycle Time

Start Date/Time: 04/27/21 1330

Stop Date/Time: 04/28/21 0640

APP: SEFUN SOX (SDS)

SOLV: 70:30

Other: NA

Final Volume(s): C9 20uL

Check Out: Chemist/Date:

Check In: Chemist/Date:

Balance ID: HRMS-08

Soxhlet Siphoned Chemist/Date: RR 04/27/21

Vial Transfer Chemist/Date:

Notes:

Comments:

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

Batch: B1D0210

Matrix: Solid

LabNumber	WetWeight Initial (g)	% Solids (Extraction Solids)	DryWeight Initial (g)	Final (uL)	Extracted	Ext By	Spike	SpikeAmount (uL)	ClientMatrix	Analysis
2103216-11RE2	1.31	84.26573	1.1039	20	27-Apr-21 07:49	RR			Soil	1699 Full List
2103216-12RE2	1.46	70.98515	1.0364	20	27-Apr-21 07:49	RR			Soil	1699 Full List
2103219-03RE1	1.48	68.32579	1.0112	20	27-Apr-21 07:49	RR			Soil	1699 Full List
2103219-06RE1	1.79	67.09338	1.2010	20	27-Apr-21 07:49	RR			Soil	1699 Full List
B1D0210-BLK1	1			20	27-Apr-21 07:49	RR				QC
B1D0210-BS1	1			20	27-Apr-21 07:49	RR	21B0401	10		QC

All bolded data on report verified against written benchsheet by (initial/date) RR/05/03/21

Printed: 5/3/2021 3:39:49PM
Page 1 of 1

SAMPLE DATA – EPA METHOD 1613

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-6.qld

Last Altered: Tuesday, April 06, 2021 13:08:53 Pacific Daylight Time
Printed: Tuesday, April 06, 2021 13:09:04 Pacific Daylight Time

4.6.21 CT 04/21/2021

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_4-6-21.mdb 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210406D1_6, Date: 06-Apr-2021, Time: 12:10:43, ID: B1C0237-BLK1 Method Blank 10, Description: Method Blank, Task: ST210406D1-2

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD			NO	0.998	10.000					0.0416	
2	1,2,3,7,8-PeCDD			NO	0.961	10.000					0.0707	
3	1,2,3,4,7,8-HxCDD			NO	1.18	10.000					0.134	
4	1,2,3,6,7,8-HxCDD			NO	1.04	10.000					0.135	
5	1,2,3,7,8,9-HxCDD			NO	1.06	10.000					0.148	
6	1,2,3,4,6,7,8-HpCDD			NO	1.06	10.000					0.0875	
7	OCDD			NO	0.977	10.000					0.676	
8	2,3,7,8-TCDF			NO	0.989	10.000					0.0255	
9	1,2,3,7,8-PeCDF			NO	1.02	10.000					0.0484	
10	2,3,4,7,8-PeCDF			NO	1.17	10.000					0.0413	
11	1,2,3,4,7,8-HxCDF			NO	1.14	10.000					0.0357	
12	1,2,3,6,7,8-HxCDF			NO	1.04	10.000					0.0392	
13	2,3,4,6,7,8-HxCDF			NO	1.13	10.000					0.0414	
14	1,2,3,7,8,9-HxCDF			NO	1.07	10.000					0.0614	
15	1,2,3,4,6,7,8-HpCDF			NO	1.11	10.000					0.0286	
16	1,2,3,4,7,8,9-HpCDF			NO	1.32	10.000					0.0422	
17	OCDF			NO	0.931	10.000					0.167	
18	13C-2,3,7,8-TCDD	2.30e5	0.76	NO	1.20	10.000	27.08	1.024	223.43	112	0.345	
19	13C-1,2,3,7,8-PeCDD	1.56e5	0.59	NO	0.864	10.000	31.21	1.181	210.55	105	0.201	
20	13C-1,2,3,4,7,8-HxCDD	1.24e5	1.31	NO	0.600	10.000	34.65	1.015	231.38	116	0.600	
21	13C-1,2,3,6,7,8-HxCDD	1.36e5	1.28	NO	0.674	10.000	34.78	1.019	226.31	113	0.534	
22	13C-1,2,3,7,8,9-HxCDD	1.27e5	1.31	NO	0.679	10.000	35.09	1.028	209.33	105	0.530	
23	13C-1,2,3,4,6,7,8-HpCDD	9.87e4	1.06	NO	0.558	10.000	38.46	1.126	197.85	98.9	0.794	
24	13C-OCDD	1.19e5	0.89	NO	0.496	10.000	42.05	1.231	267.42	66.9	0.376	
25	13C-2,3,7,8-TCDF	3.34e5	0.80	NO	1.03	10.000	26.49	1.002	222.93	111	0.348	
26	13C-1,2,3,7,8-PeCDF	2.33e5	1.58	NO	0.805	10.000	30.08	1.138	198.11	99.1	0.503	
27	13C-2,3,4,7,8-PeCDF	2.36e5	1.64	NO	0.748	10.000	31.03	1.174	216.36	108	0.541	
28	13C-1,2,3,4,7,8-HxCDF	1.52e5	0.49	NO	0.968	10.000	33.67	0.986	175.83	87.9	82.5	
29	13C-1,2,3,6,7,8-HxCDF	2.01e5	0.50	NO	1.08	10.000	33.81	0.990	207.70	104	73.7	
30	13C-2,3,4,6,7,8-HxCDF	1.89e5	0.51	NO	0.960	10.000	34.53	1.011	219.83	110	83.2	
31	13C-1,2,3,7,8,9-HxCDF	1.45e5	0.51	NO	0.869	10.000	35.65	1.044	186.97	93.5	92.0	

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-6.qld

Last Altered: Tuesday, April 06, 2021 13:08:53 Pacific Daylight Time
Printed: Tuesday, April 06, 2021 13:09:04 Pacific Daylight Time

Name: 210406D1_6, Date: 06-Apr-2021, Time: 12:10:43, ID: B1C0237-BLK1 Method Blank 10, Description: Method Blank, Task: ST210406D1-2

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	1.51e5	0.42	NO	0.794	10.000	37.23	1.090	213.02	107	0.769	
33	13C-1,2,3,4,7,8,9-HpCDF	1.02e5	0.40	NO	0.586	10.000	39.18	1.147	194.88	97.4	1.04	
34	13C-OCDF	1.82e5	0.90	NO	0.711	10.000	42.40	1.242	287.13	71.8	0.310	
35	37Cl-2,3,7,8-TCDD	8.93e4			1.11	10.000	27.09	1.025	94.115	118	0.0823	
36	13C-1,2,3,4-TCDD	1.72e5	0.72	NO	1.00	10.000	26.43	1.000	200.00	100	0.415	
37	13C-1,2,3,4-TCDF	2.92e5	0.78	NO	1.00	10.000	25.23	1.000	200.00	100	0.357	
38	13C-1,2,3,4,6,9-HxCDF	1.79e5	0.50	NO	1.00	10.000	34.15	1.000	200.00	100	79.9	
39	Total Tetra-Dioxins				0.998	10.000					0.0262	
40	Total Penta-Dioxins				0.961	10.000			0.00000		0.0381	0.197
41	Total Hexa-Dioxins				1.04	10.000					0.0900	
42	Total Hepta-Dioxins				1.06	10.000					0.0580	
43	Total Tetra-Furans				0.989	10.000					0.0112	
44	1st Func. Penta-Furans				1.02	10.000					0.0142	
45	Total Penta-Furans				1.02	10.000					0.0169	
46	Total Hexa-Furans				1.13	10.000					0.0229	
47	Total Hepta-Furans				1.11	10.000					0.0191	

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-6.qld

Last Altered: Tuesday, April 06, 2021 13:08:53 Pacific Daylight Time
Printed: Tuesday, April 06, 2021 13:09:04 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_4-6-21.mdb 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210406D1_6, Date: 06-Apr-2021, Time: 12:10:43, ID: B1C0237-BLK1 Method Blank 10, Description: Method Blank, Task: ST210406D1-2

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	29.72	8.060e2	2.960e3	5.712e1	1.917e2	0.30	YES	0.000e0	0.00000	0.19713	0.0707

Hexa-Dioxins

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

Hepta-Dioxins

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

Tetra-Furans

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

Penta-Furans function 1

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

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-6.qld

Last Altered: Tuesday, April 06, 2021 13:08:53 Pacific Daylight Time
Printed: Tuesday, April 06, 2021 13:09:04 Pacific Daylight Time

Name: 210406D1_6, Date: 06-Apr-2021, Time: 12:10:43, ID: B1C0237-BLK1 Method Blank 10, Description: Method Blank, Task: ST210406D1-2

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												

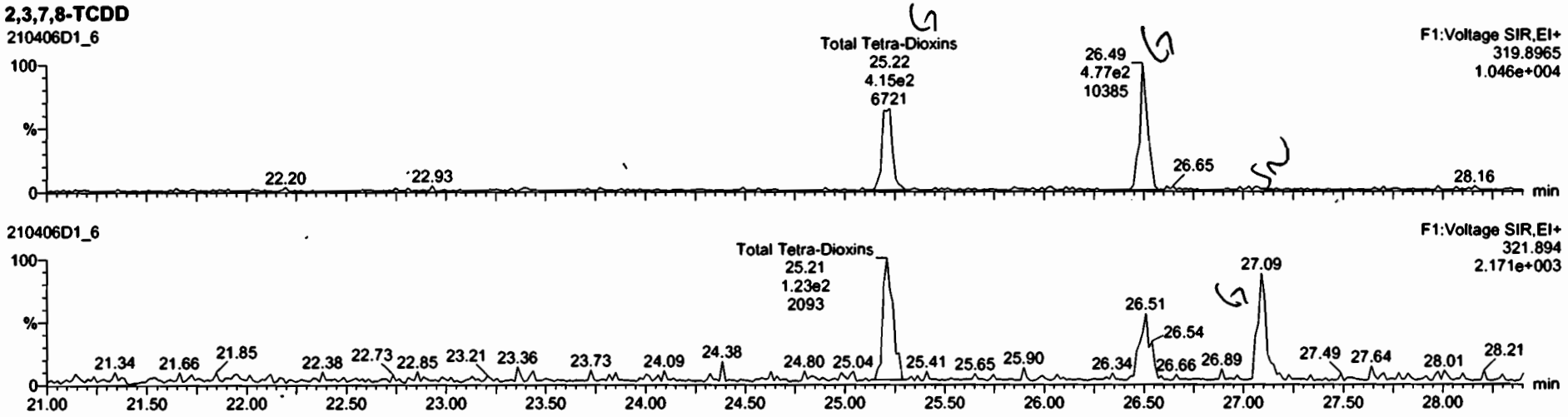
Dataset: Untitled

Last Altered: Tuesday, April 06, 2021 13:02:42 Pacific Daylight Time
Printed: Tuesday, April 06, 2021 13:02:50 Pacific Daylight Time

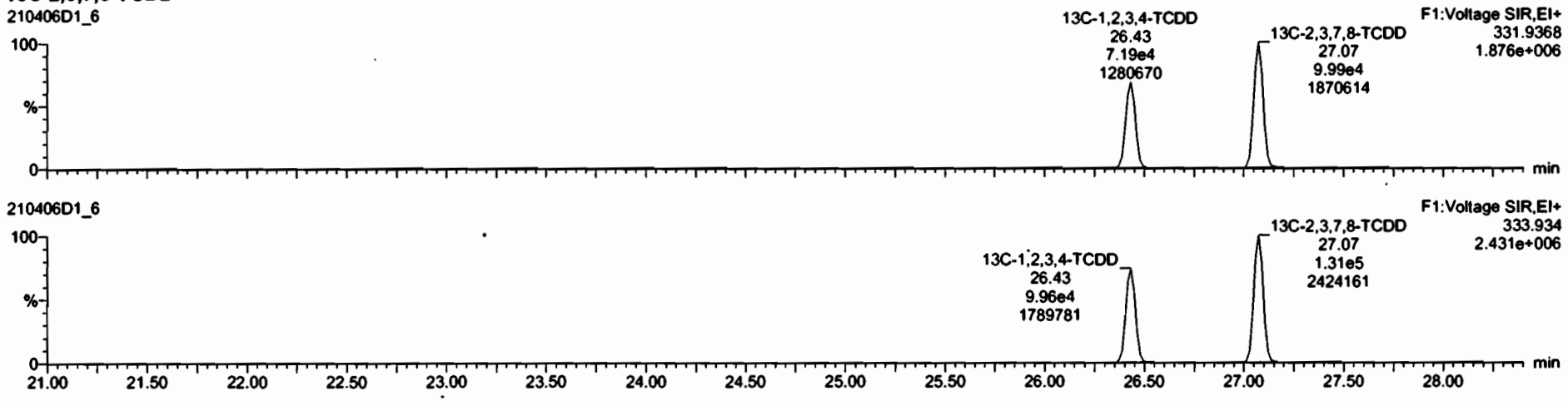
Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_4-6-21.mdb 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210406D1_6, Date: 06-Apr-2021, Time: 12:10:43, ID: B1C0237-BLK1 Method Blank 10, Description: Method Blank

2,3,7,8-TCDD



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



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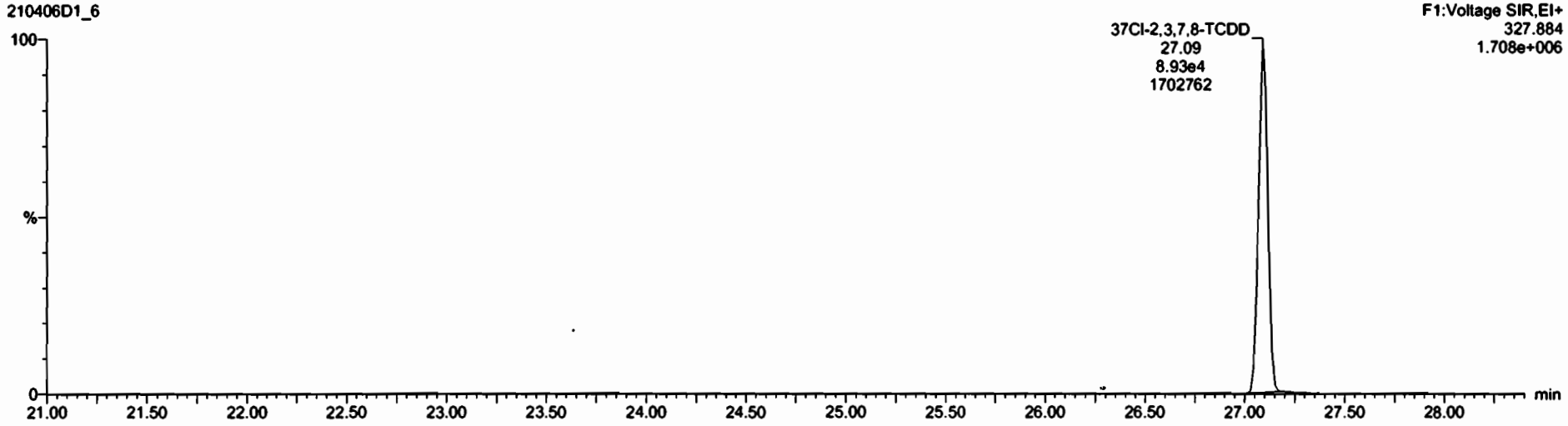
Name: 210406D1_6, Date: 06-Apr-2021, Time: 12:10:43, ID: B1C0237-BLK1 Method Blank 10, Description: Method Blank

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



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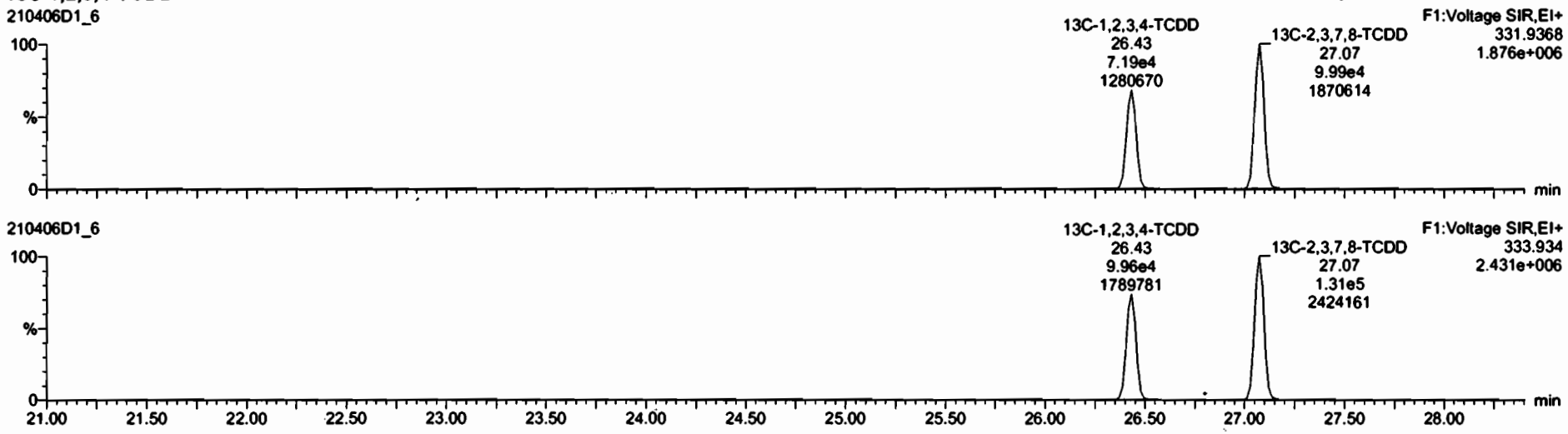

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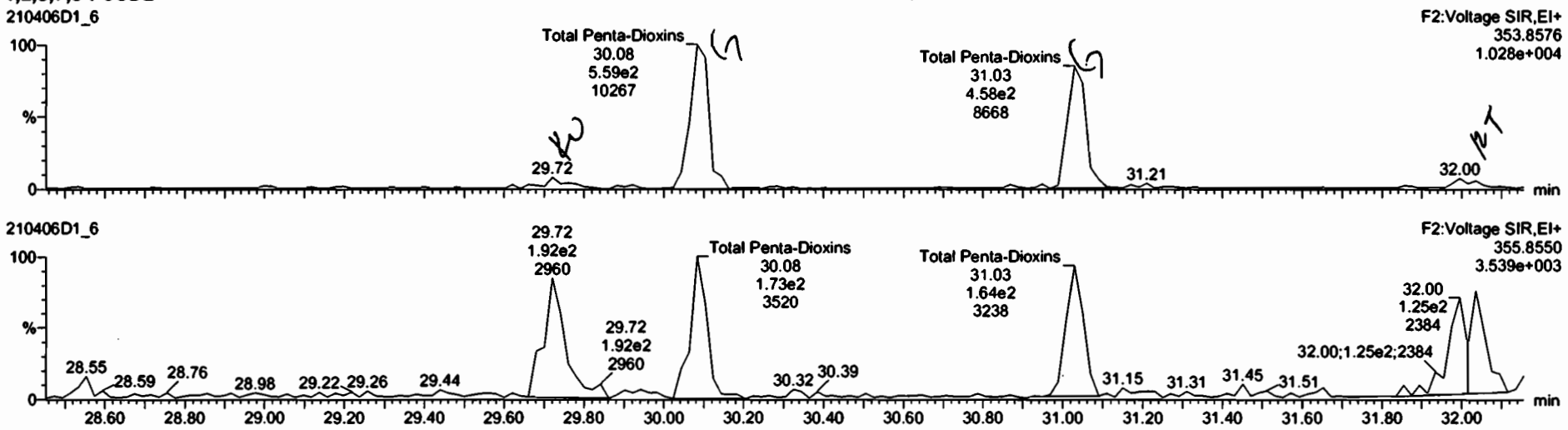
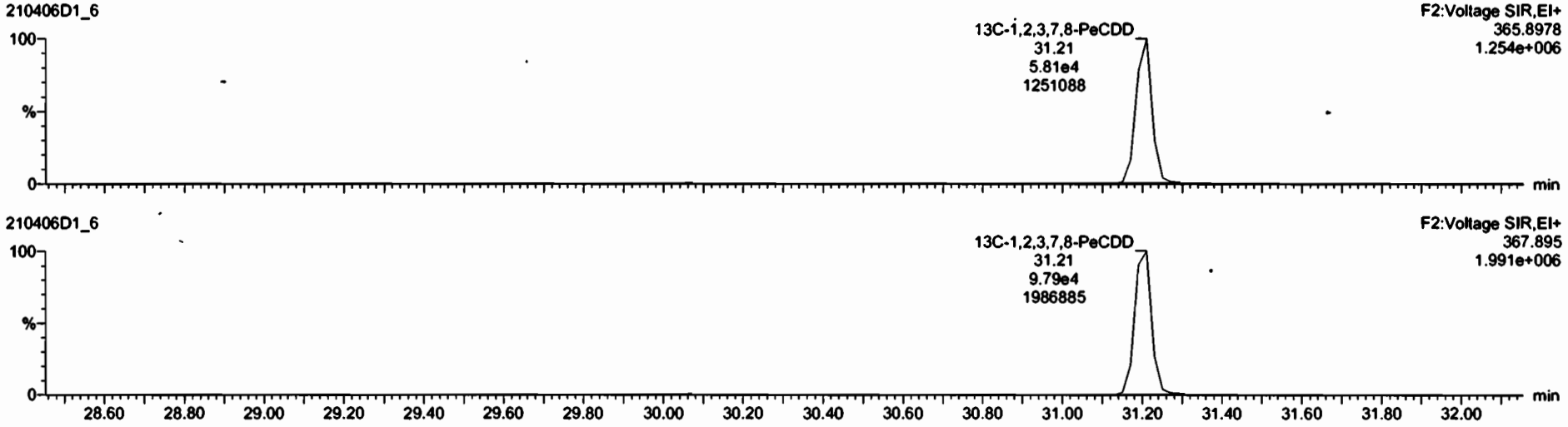
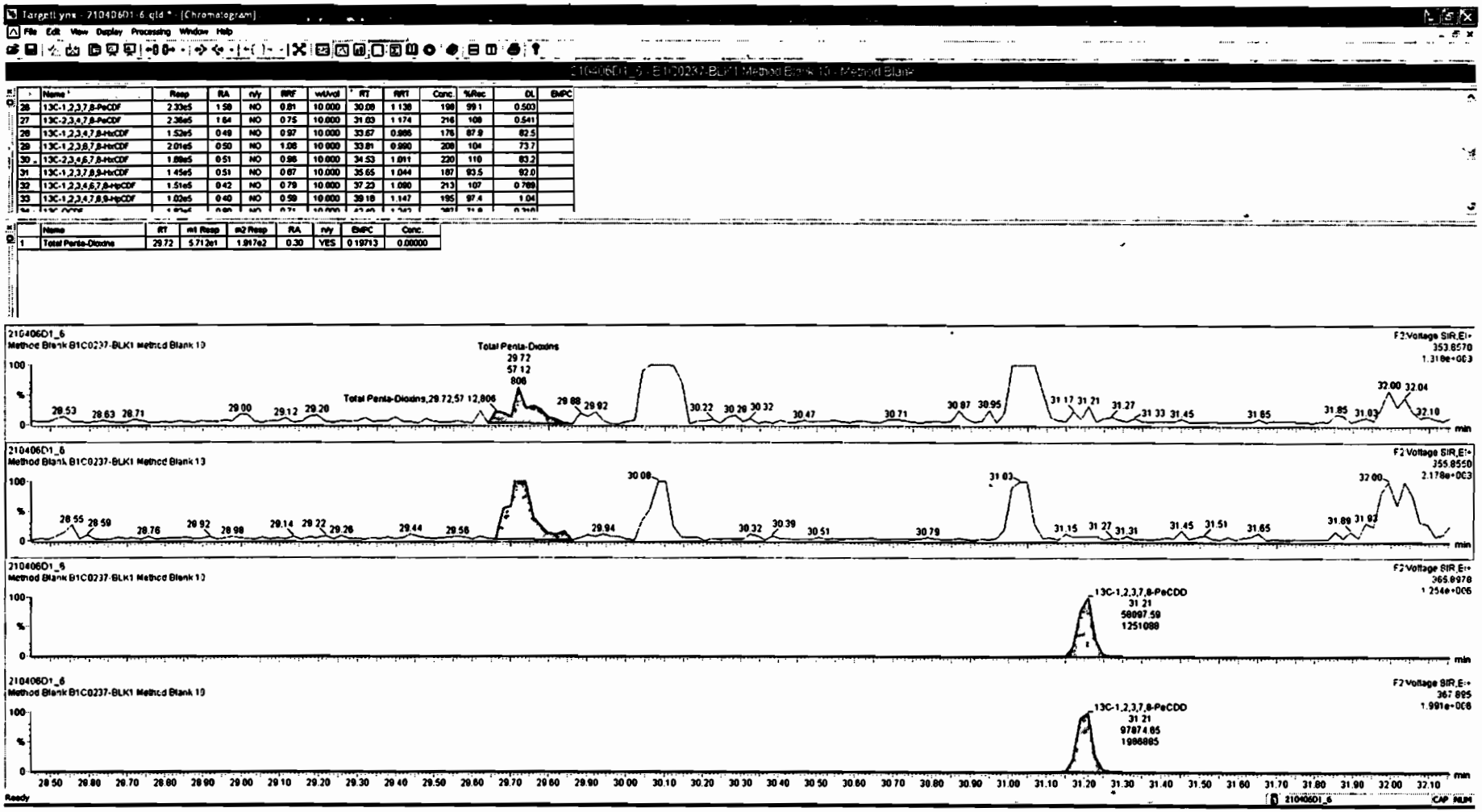
Name: 210406D1_6, Date: 06-Apr-2021, Time: 12:10:43, ID: B1C0237-BLK1 Method Blank 10, Description: Method Blank

1,2,3,7,8-PeCDD



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

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210406D1_6 - B1C0237-BLK1 Method Blank 13 - Method Blank
Name Resp RA n/y RRF wt/vol RT RRT Conc. %Rec DL EMPC
26 13C-1,2,3,7,8-PeCDF 2.30e5 1.58 NO 0.81 10.000 30.08 1.138 198 99.1 0.503
27 13C-2,3,4,7,8-PeCDF 2.36e5 1.64 NO 0.75 10.000 31.03 1.174 216 108 0.541
28 13C-1,2,3,4,7,8-HxCDF 1.52e5 0.49 NO 0.97 10.000 33.67 0.986 176 87.9 82.5
29 13C-1,2,3,6,7,8-HxCDF 2.01e5 0.50 NO 1.08 10.000 33.81 0.990 208 104 73.7
30 13C-2,3,4,6,7,8-HxCDF 1.88e5 0.51 NO 0.96 10.000 34.53 1.011 220 110 83.2
31 13C-1,2,3,7,8,9-HxCDF 1.45e5 0.51 NO 0.67 10.000 35.65 1.044 187 93.5 92.0
32 13C-1,2,3,4,6,7,8-HpCDF 1.51e5 0.42 NO 0.79 10.000 37.23 1.090 213 107 0.709
33 13C-1,2,3,4,7,8,9-HpCDF 1.02e5 0.40 NO 0.59 10.000 39.16 1.147 195 97.4 1.04
Name RT m1 Resp m2 Resp RA n/y EMPC Conc.
1 Total Penta-Dioxins 29.72 5.712e1 1.917e2 0.30 YES 0.19713 0.00000
210406D1_6
Method Blank B1C0237-BLK1 Method Blank 13
Total Penta-Dioxins
29.72
57.12
806
Total Penta-Dioxins,29.72,57.12,806
F2:Voltage SIR,E:+
353.8570
1.318e+003
210406D1_6
Method Blank B1C0237-BLK1 Method Blank 13
F2 Voltage SIR,E:+
355.8550
2.178e+003
30.08
31.03
210406D1_6
Method Blank B1C0237-BLK1 Method Blank 13
13C-1,2,3,7,8-PeCDD
31.21
58097.59
1251088
F2 Voltage SIR,E:+
365.8978
1.254e+006
210406D1_6
Method Blank B1C0237-BLK1 Method Blank 13
13C-1,2,3,7,8-PeCDD
31.21
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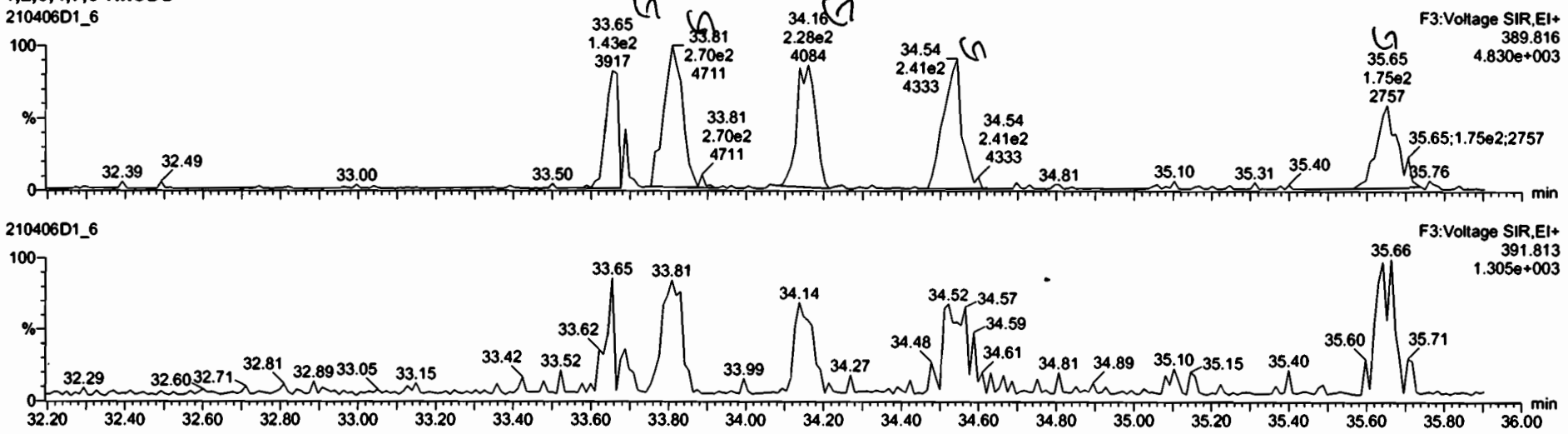
1986885
F2 Voltage SIR,E:+
367.895
1.991e+006
min
Ready
210406D1_6
CAP NUM

Dataset: Untitled

Last Altered: Tuesday, April 06, 2021 13:02:42 Pacific Daylight Time
Printed: Tuesday, April 06, 2021 13:02:50 Pacific Daylight Time

Name: 210406D1_6, Date: 06-Apr-2021, Time: 12:10:43, ID: B1C0237-BLK1 Method Blank 10, Description: Method Blank

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



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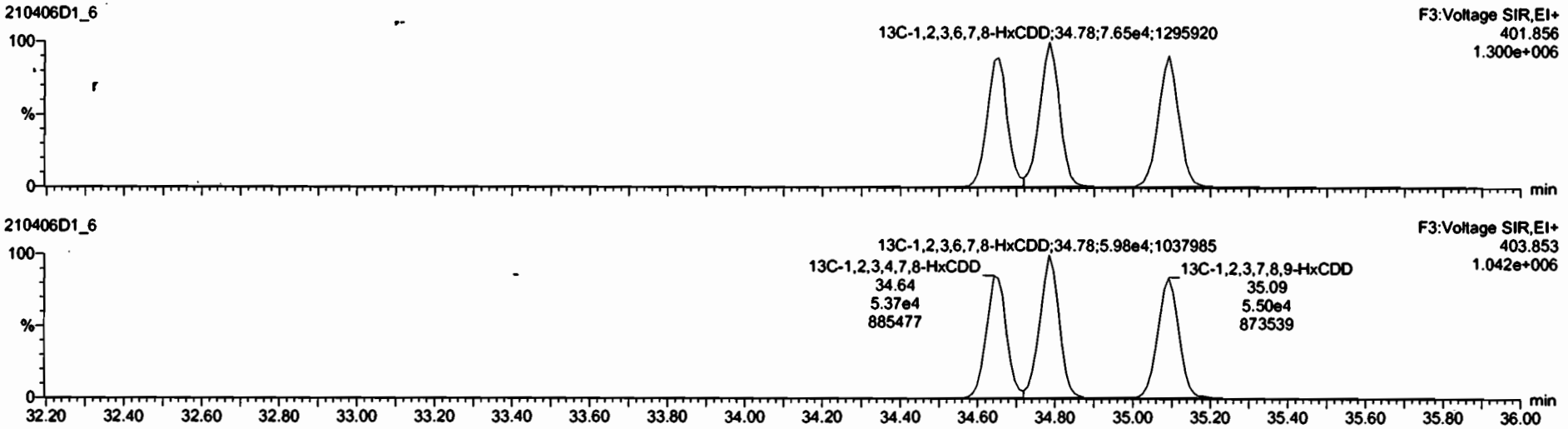

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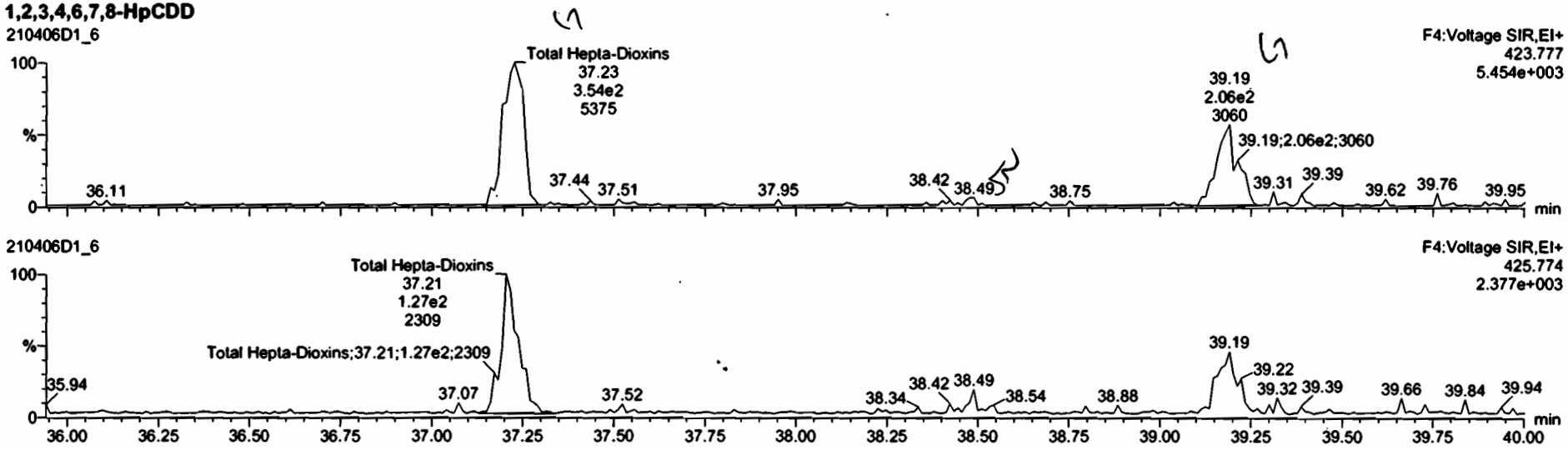
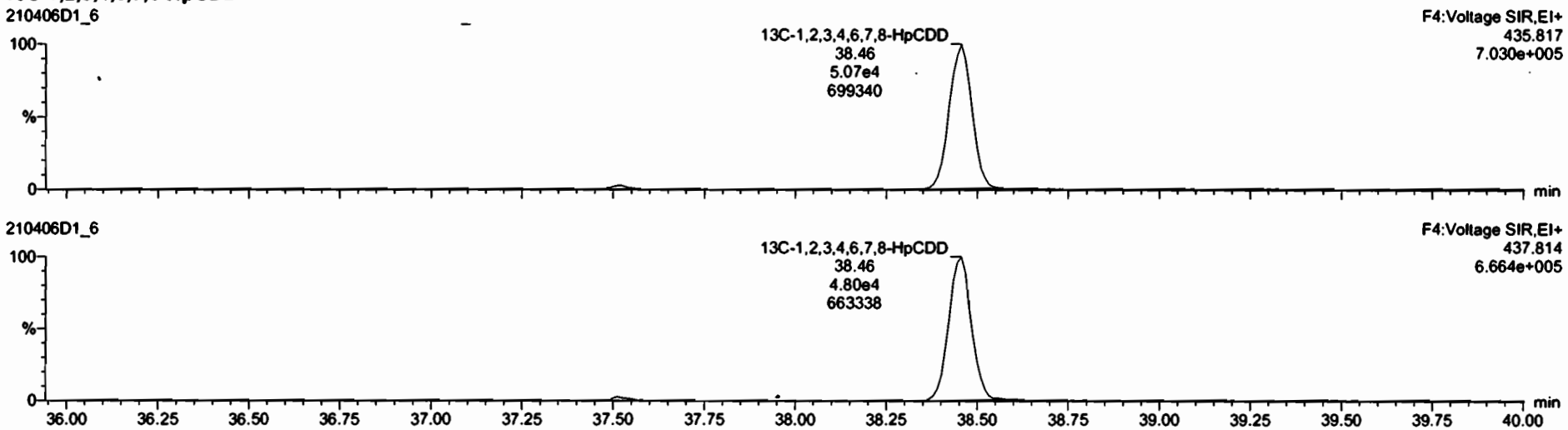
Last Altered: Tuesday, April 06, 2021 13:02:42 Pacific Daylight Time
Printed: Tuesday, April 06, 2021 13:02:50 Pacific Daylight Time

Name: 210406D1_6, Date: 06-Apr-2021, Time: 12:10:43, ID: B1C0237-BLK1 Method Blank 10, Description: Method Blank

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



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



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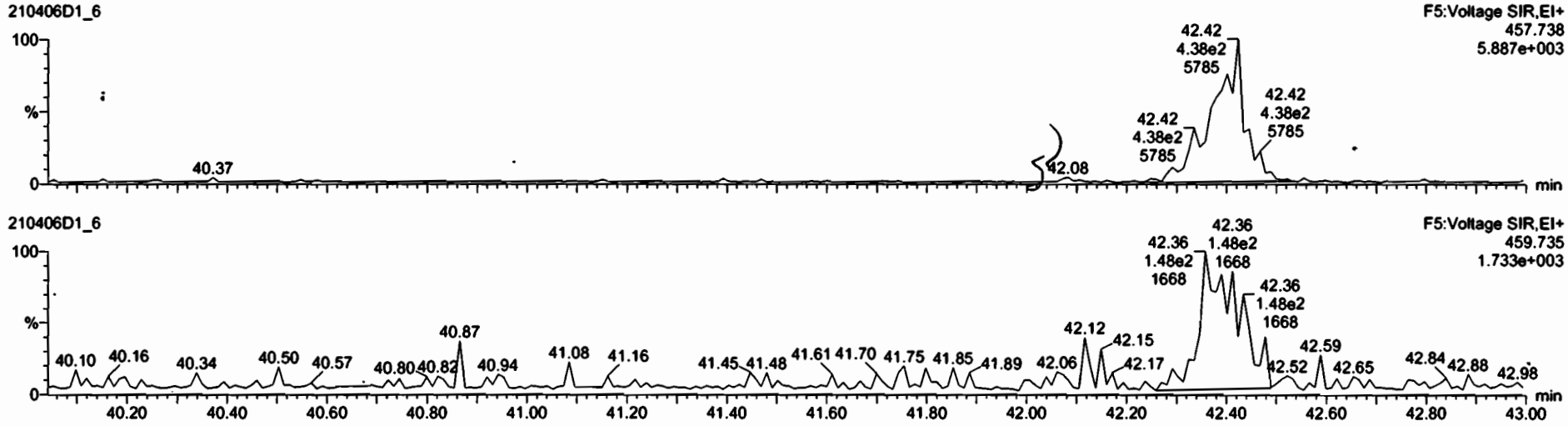
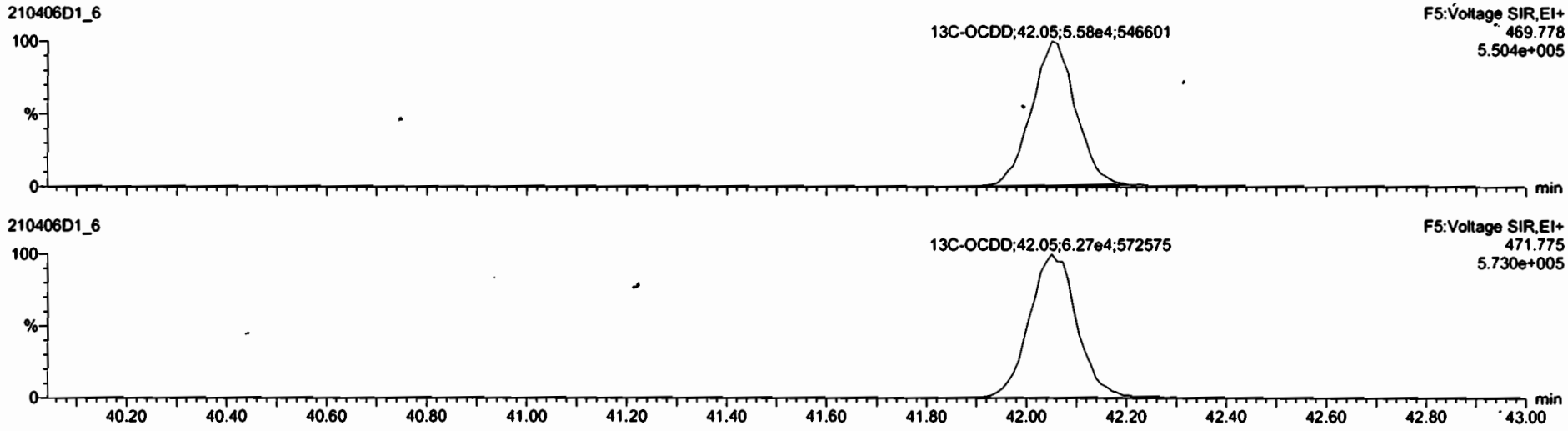
Last Altered: Tuesday, April 06, 2021 13:02:42 Pacific Daylight Time
Printed: Tuesday, April 06, 2021 13:02:50 Pacific Daylight Time

Name: 210406D1_6, Date: 06-Apr-2021, Time: 12:10:43, ID: B1C0237-BLK1 Method Blank 10, Description: Method Blank

OCDD



13C-OCDD



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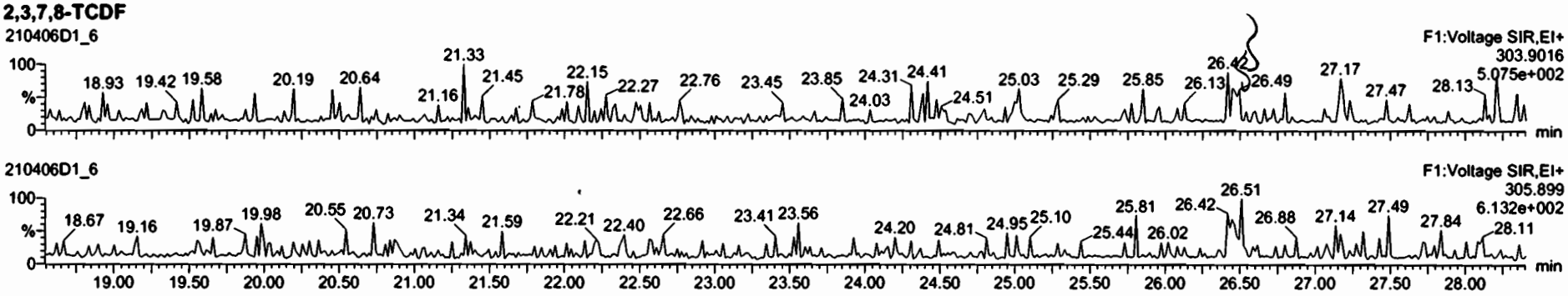
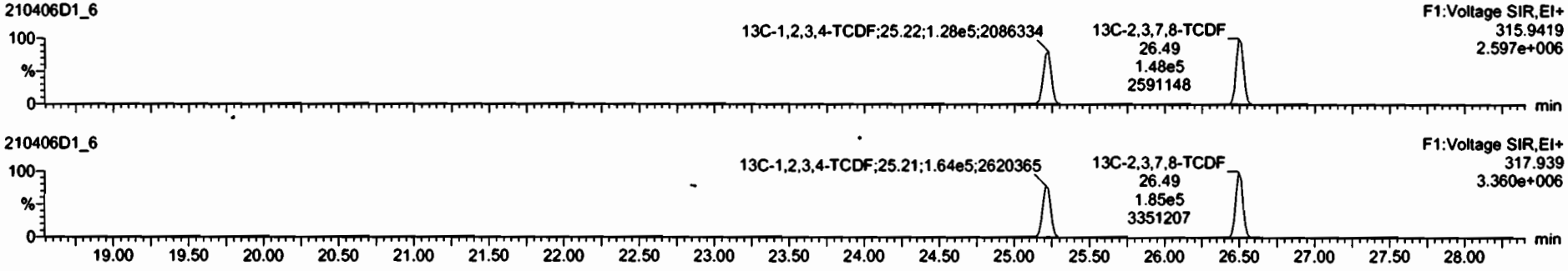
Last Altered: Tuesday, April 06, 2021 13:02:42 Pacific Daylight Time
Printed: Tuesday, April 06, 2021 13:02:50 Pacific Daylight Time

Name: 210406D1_6, Date: 06-Apr-2021, Time: 12:10:43, ID: B1C0237-BLK1 Method Blank 10, Description: Method Blank

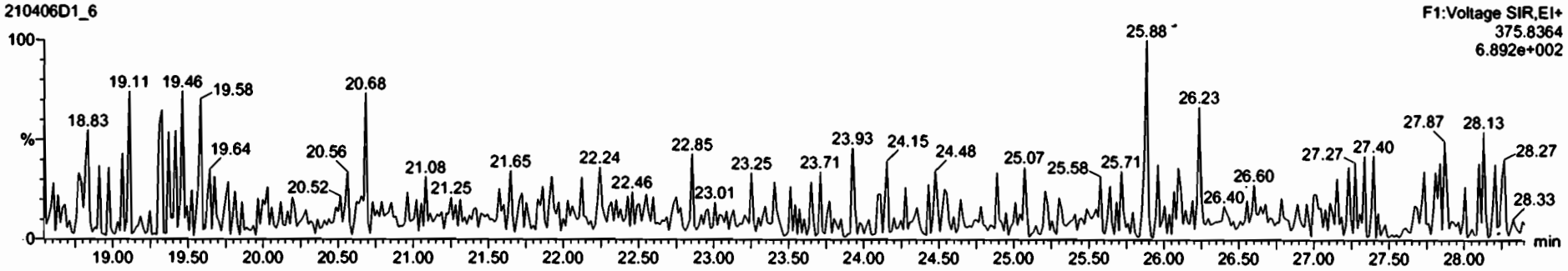
2,3,7,8-TCDF

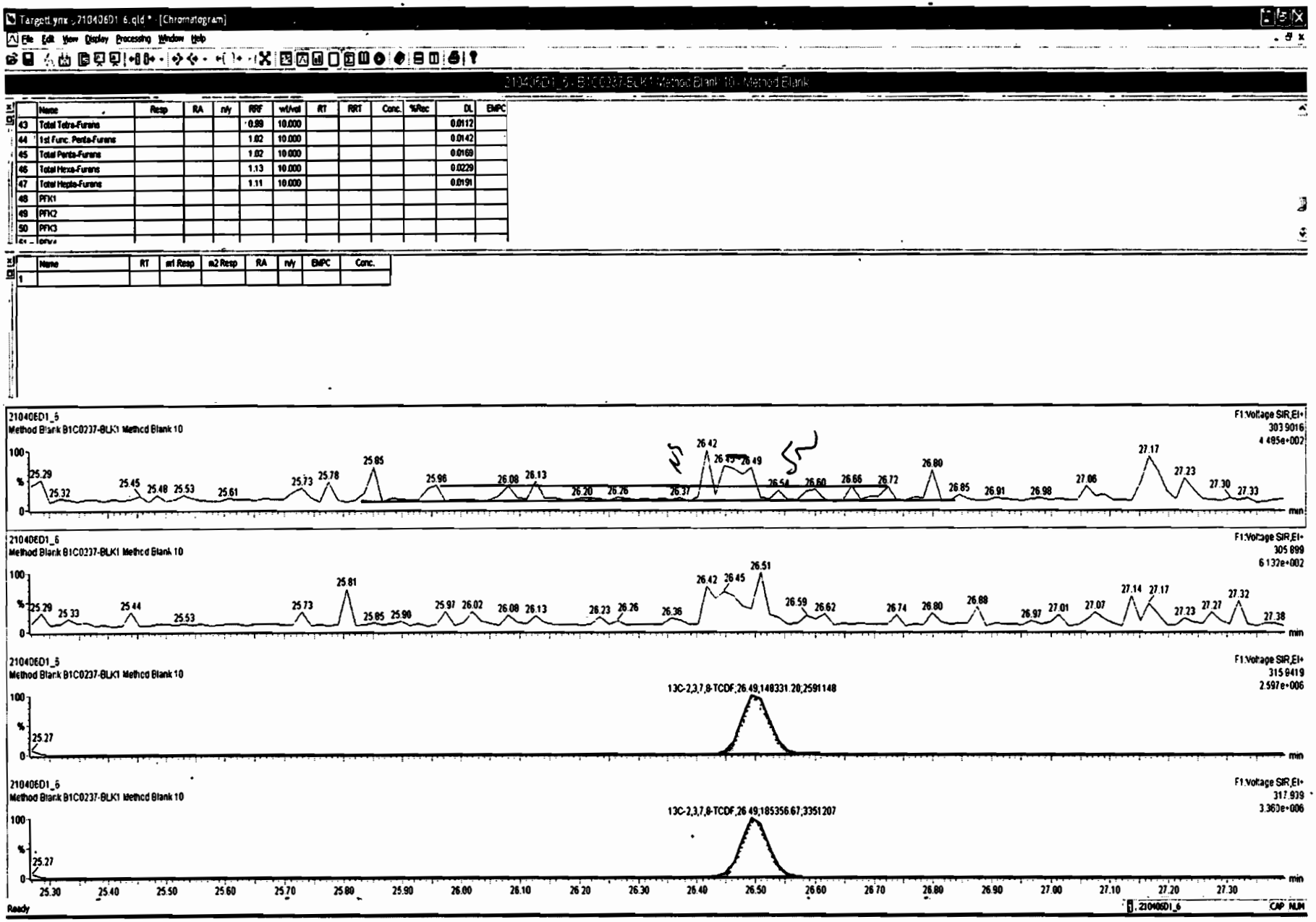


13C-2,3,7,8-TCDF



DPE1



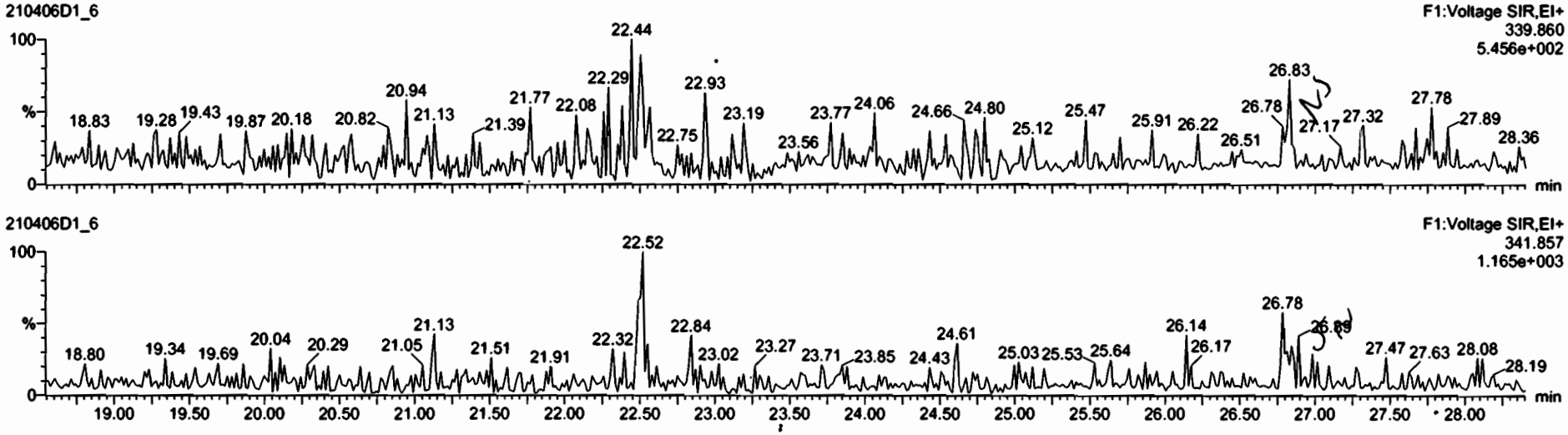

TargetLynx ;_210406D1_6.qld * - [Chromatogram]
File Edit View Display Processing Window Help
210406D1_5 - B1C0237-BLK1 Method Blank 10 - Method Blank
Name | Resp | RA | n/y | RRF | wt/vol | RT | RRT | Conc. | %Rec | DL | EMPC
43 Total Tetra-Furans 0.99 10.000 0.0112
44 1st Func. Penta-Furans 1.02 10.000 0.0142
45 Total Penta-Furans 1.02 10.000 0.0169
46 Total Hexa-Furans 1.13 10.000 0.0229
47 Total Hepta-Furans 1.11 10.000 0.0191
48 PFK1
49 PFK2
50 PFK3
Name | RT | ari Resp | m2 Resp | RA | n/y | EMPC | Conc.
1
210406D1_5
Method Blank B1C0237-BLK1 Method Blank 10
F1:Voltage SIR,EI+
303.9016
4.485e+002
25.29 25.32 25.45 25.48 25.53 25.61 25.73 25.78 25.85 25.96 26.08 26.13 26.20 26.26 26.37 26.42 26.45 26.49 26.54 26.60 26.66 26.72 26.80 26.85 26.91 26.98 27.06 27.17 27.23 27.30 27.33
210406D1_6
Method Blank B1C0237-BLK1 Method Blank 10
F1:Voltage SIR,EI+
305.899
6.132e+002
25.29 25.33 25.44 25.53 25.73 25.81 25.85 25.90 25.97 26.02 26.08 26.13 26.23 26.26 26.36 26.42 26.45 26.51 26.59 26.62 26.74 26.80 26.88 26.97 27.01 27.07 27.14 27.17 27.23 27.27 27.32 27.38
210406D1_5
Method Blank B1C0237-BLK1 Method Blank 10
F1:Voltage SIR,EI+
315.9419
2.597e+006
13C-2,3,7,8-TCDF,26.49,148331.20,2591148
25.27
210406D1_6
Method Blank B1C0237-BLK1 Method Blank 10
F1:Voltage SIR,EI+
317.919
3.363e+006
13C-2,3,7,8-TCDF,26.49,185356.67,3351207
25.27
25.30 25.40 25.50 25.60 25.70 25.80 25.90 26.00 26.10 26.20 26.30 26.40 26.50 26.60 26.70 26.80 26.90 27.00 27.10 27.20 27.30
Ready
210406D1_6
CAP NUM

Dataset: Untitled

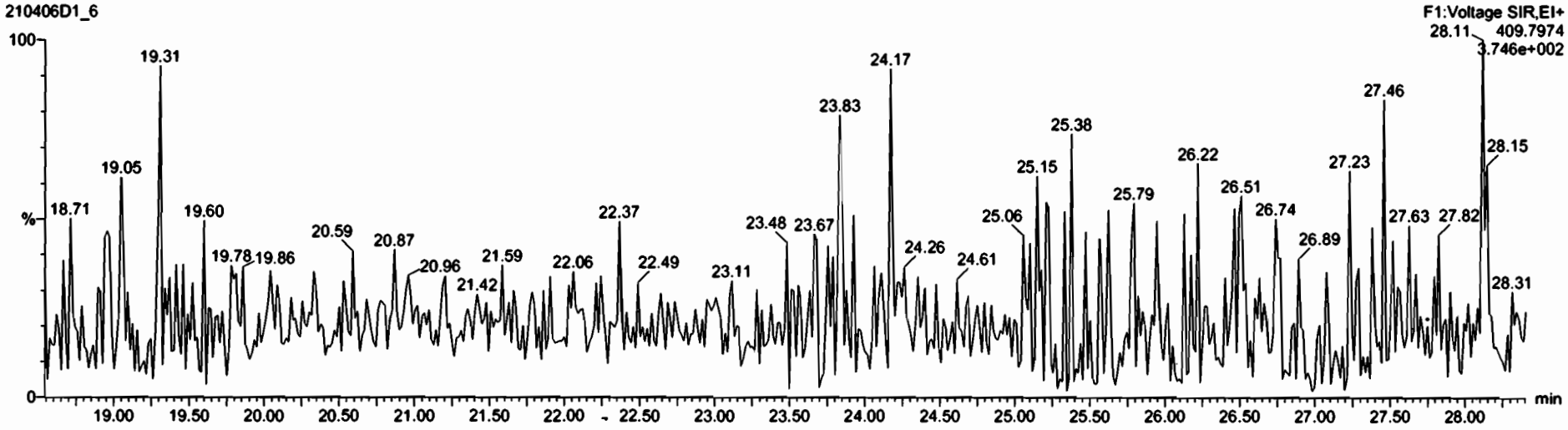
Last Altered: Tuesday, April 06, 2021 13:02:42 Pacific Daylight Time
Printed: Tuesday, April 06, 2021 13:02:50 Pacific Daylight Time

Name: 210406D1_6, Date: 06-Apr-2021, Time: 12:10:43, ID: B1C0237-BLK1 Method Blank 10, Description: Method Blank

1st Func. Penta-Furans



DPE6

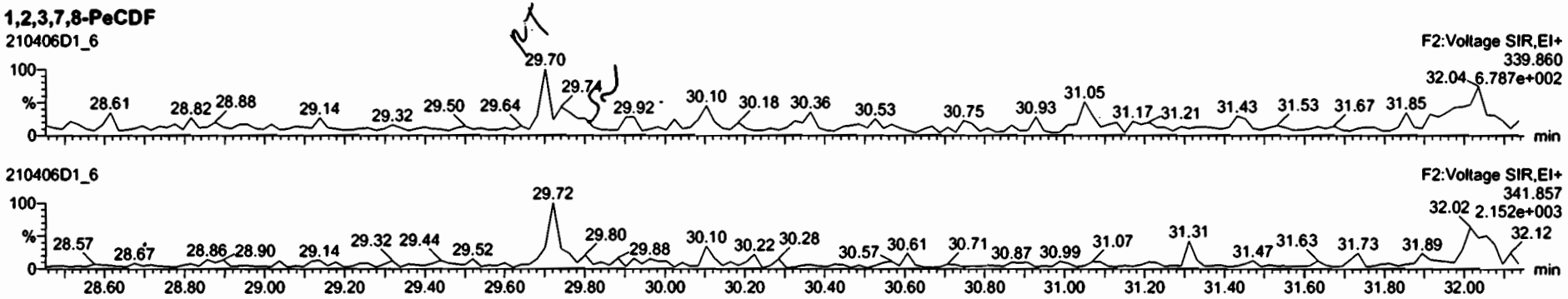


Dataset: Untitled

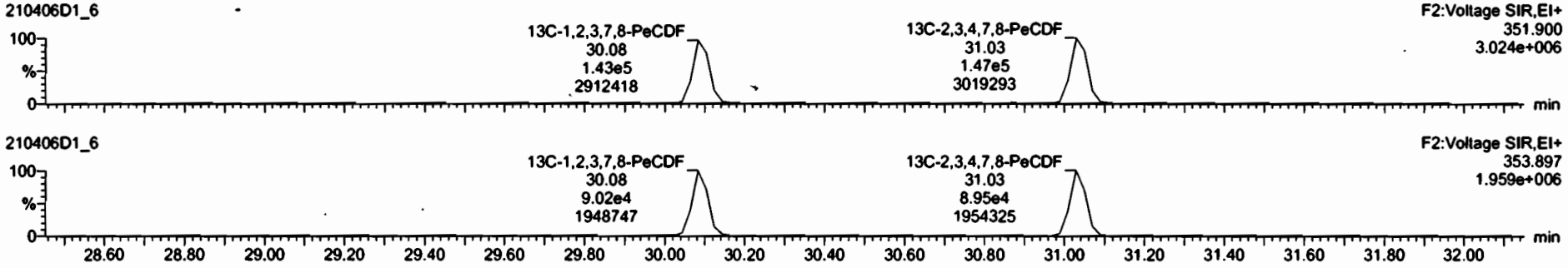
Last Altered: Tuesday, April 06, 2021 13:02:42 Pacific Daylight Time
Printed: Tuesday, April 06, 2021 13:02:50 Pacific Daylight Time

Name: 210406D1_6, Date: 06-Apr-2021, Time: 12:10:43, ID: B1C0237-BLK1 Method Blank 10, Description: Method Blank

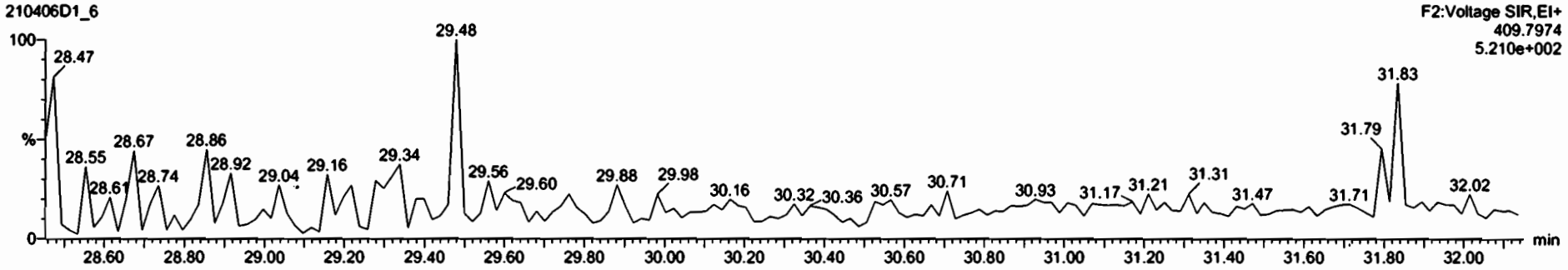
1,2,3,7,8-PeCDF

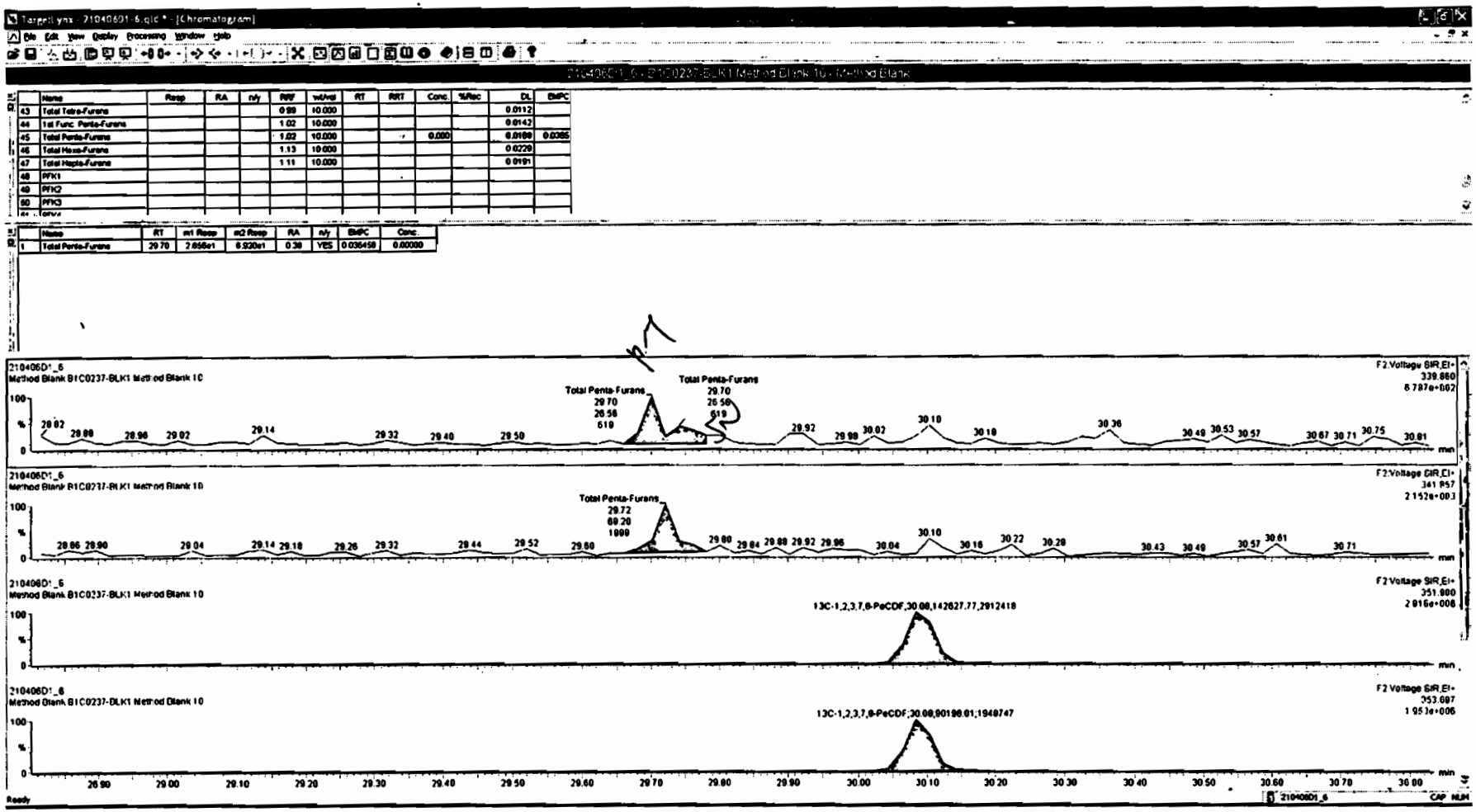


13C-1,2,3,7,8-PeCDF



DPE2




Target1.ynx - 210406D1_6.qld * - [Chromatogram]
File Edit View Display Processing Window Help
210406D1_6 - B1C0237-BLK1 Method Blank 10 - Method Blank
Total Penta-Furans
29.70
26.56
619
Total Penta-Furans
29.72
88.20
1000
13C-1,2,3,7,8-PeCDF,30.08,142627.77,2912418
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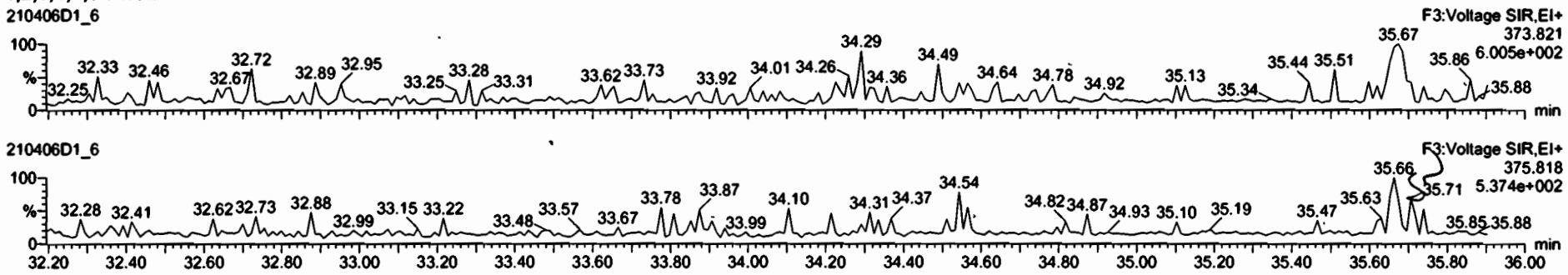
Ready

Dataset: Untitled

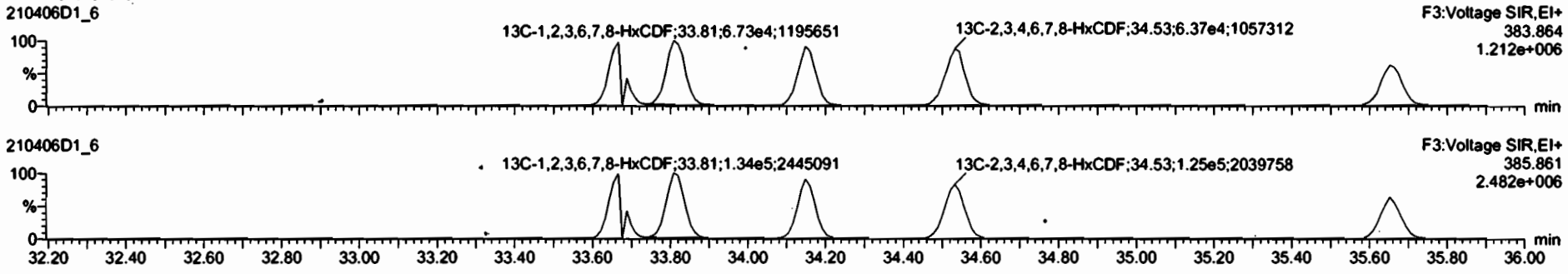
Last Altered: Tuesday, April 06, 2021 13:02:42 Pacific Daylight Time
Printed: Tuesday, April 06, 2021 13:02:50 Pacific Daylight Time

Name: 210406D1_6, Date: 06-Apr-2021, Time: 12:10:43, ID: B1C0237-BLK1 Method Blank 10, Description: Method Blank

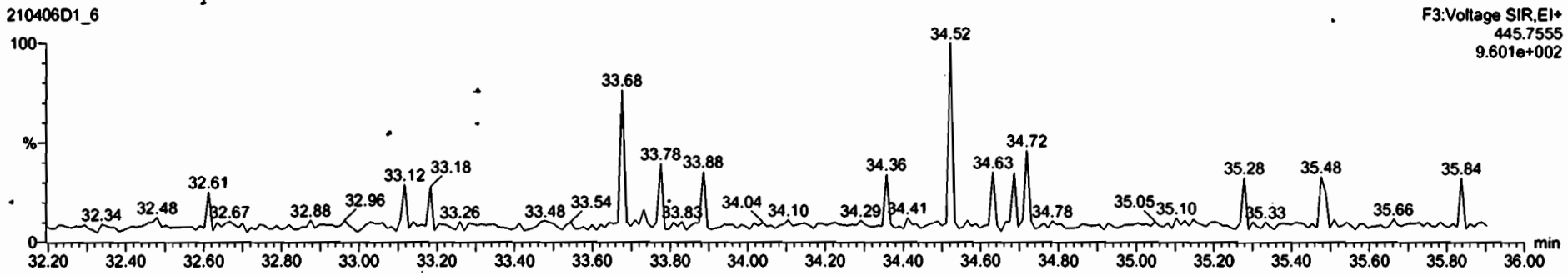
1,2,3,4,7,8-HxCDF

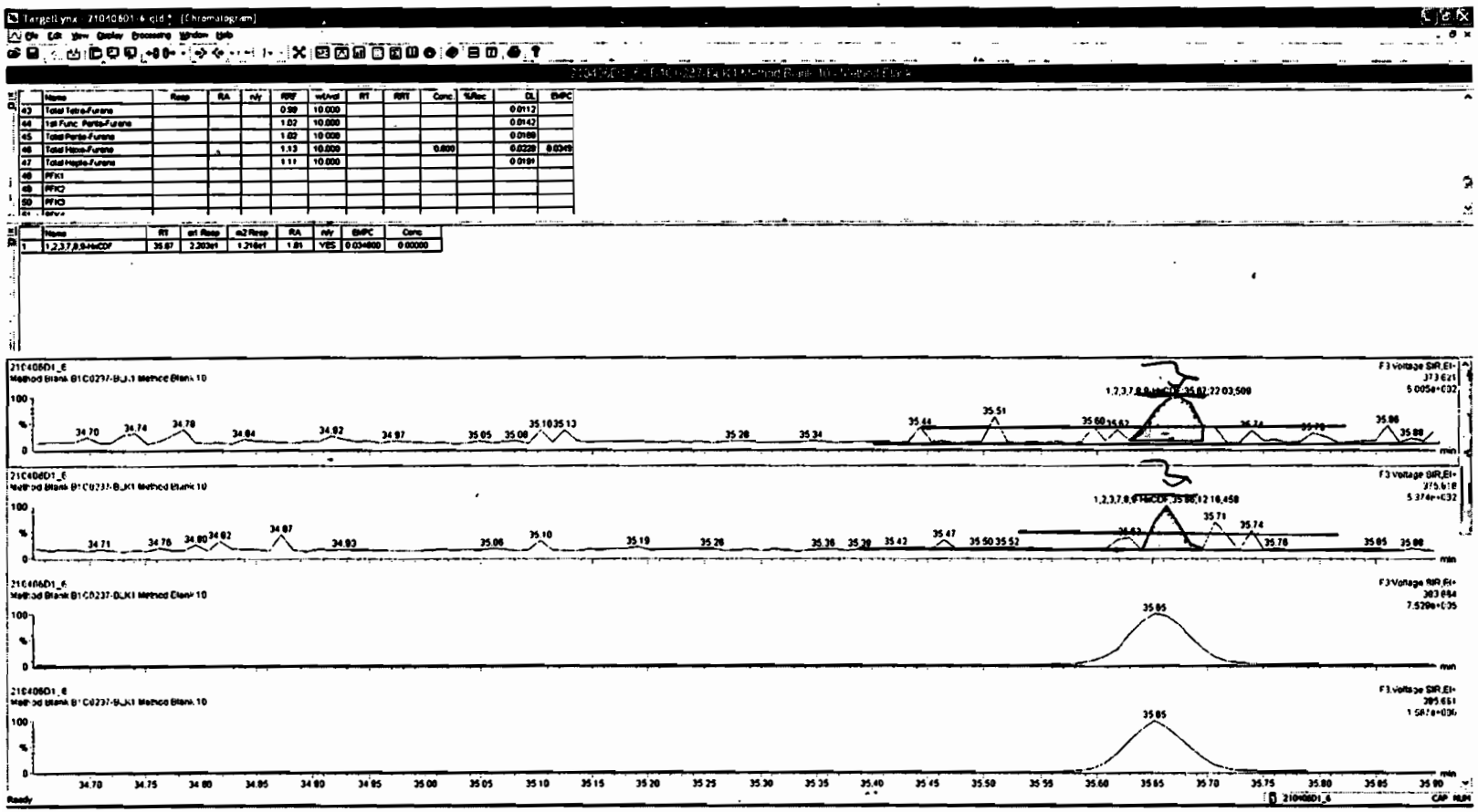


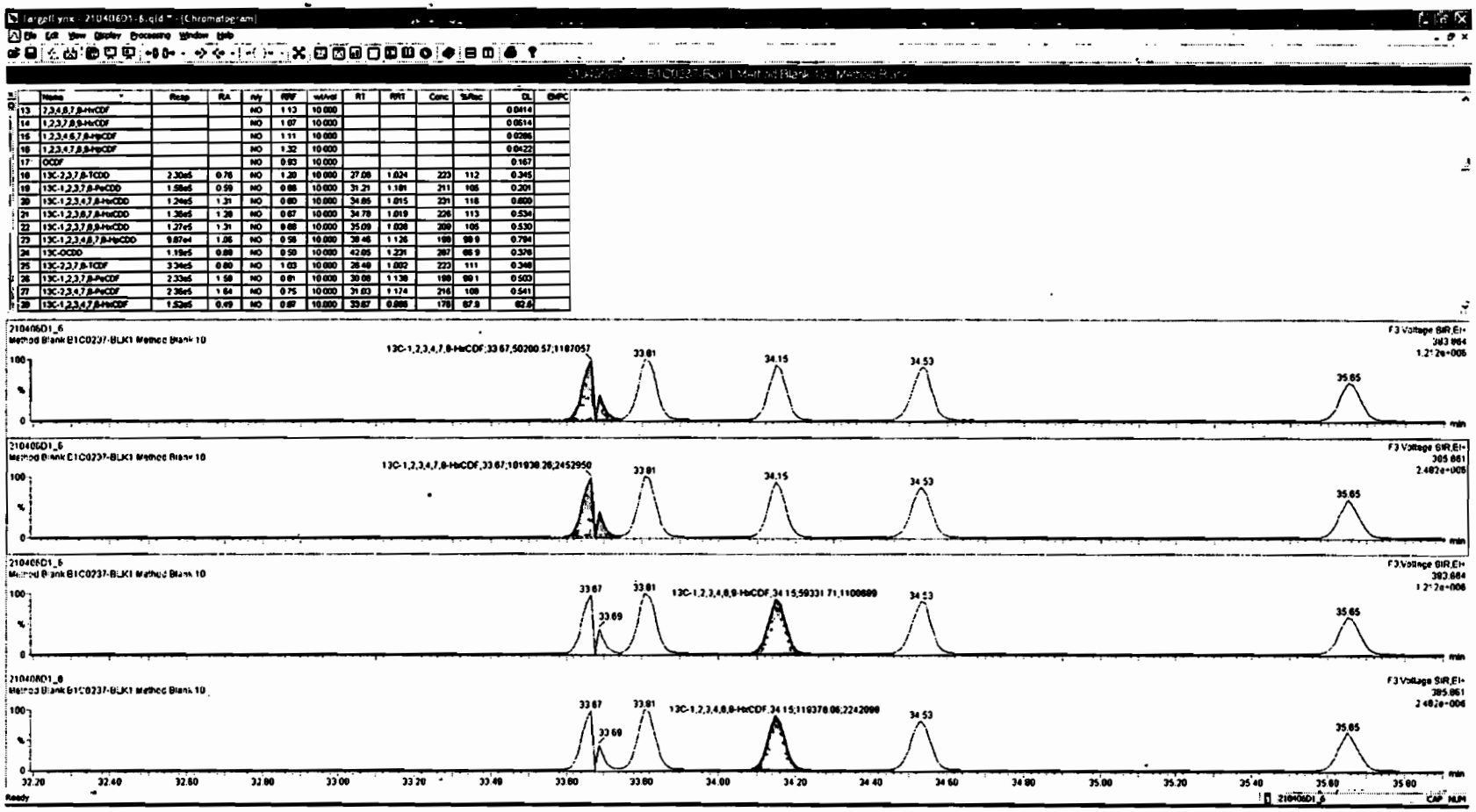
13C-1,2,3,4,7,8-HxCDF



DPE3







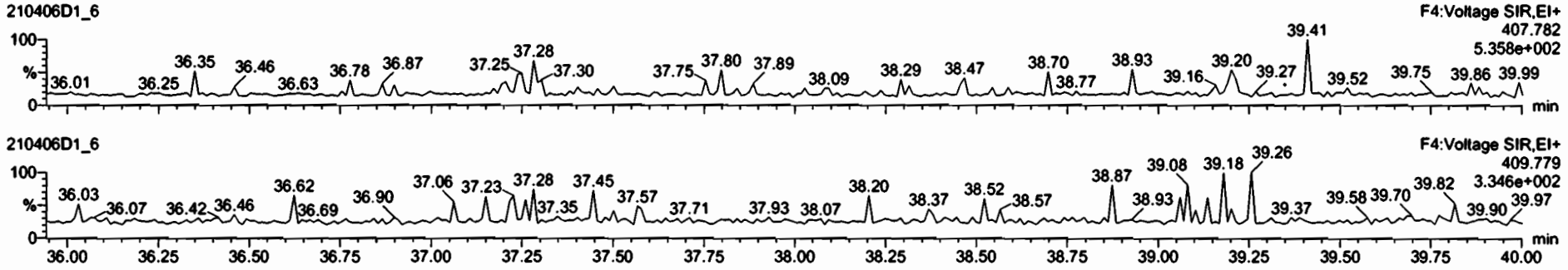
	Name	Resp	RA	Rly	RRF	wAvd	RT	RRT	Conc	%Rec	DL	EMPC
13	2,3,4,6,7,8-HxCDF			NO	1.13	10.000					0.0414	
14	1,2,3,7,8,9-HxCDF			NO	1.07	10.000					0.0514	
15	1,2,3,4,6,7,8-HpCDF			NO	1.11	10.000					0.0286	
16	1,2,3,4,7,8,9-HpCDF			NO	1.32	10.000					0.0422	
17	OCDF			NO	0.93	10.000					0.167	
18	13C-2,3,7,8-TCDD	2.30e5	0.76	NO	1.20	10.000	27.08	1.024	223	112	0.345	
19	13C-1,2,3,7,8-PeCDD	1.58e5	0.59	NO	0.88	10.000	31.21	1.181	211	105	0.201	
20	13C-1,2,3,4,7,8-HxCDD	1.24e5	1.31	NO	0.80	10.000	34.86	1.015	231	116	0.600	
21	13C-1,2,3,6,7,8-HxCDD	1.36e5	1.28	NO	0.87	10.000	34.79	1.013	226	113	0.534	
22	13C-1,2,3,7,8,9-HxCDD	1.27e5	1.31	NO	0.88	10.000	35.09	1.008	209	105	0.530	
23	13C-1,2,3,4,6,7,8-HpCDD	9.87e4	1.06	NO	0.58	10.000	38.46	1.126	198	99.0	0.794	
24	13C-OCDD	1.19e5	0.88	NO	0.58	10.000	42.65	1.231	267	66.9	0.376	
25	13C-2,3,7,8-TCDF	3.34e5	0.80	NO	1.03	10.000	28.48	1.002	223	111	0.348	
26	13C-1,2,3,7,8-PeCDF	2.30e5	1.59	NO	0.81	10.000	30.68	1.139	199	99.1	0.503	
27	13C-2,3,4,7,8-PeCDF	2.36e5	1.64	NO	0.75	10.000	31.83	1.174	216	108	0.541	
28	13C-1,2,3,4,7,8-HxCDF	1.52e5	0.49	NO	0.89	10.000	33.67	0.999	178	67.9	62.8	

Dataset: Untitled

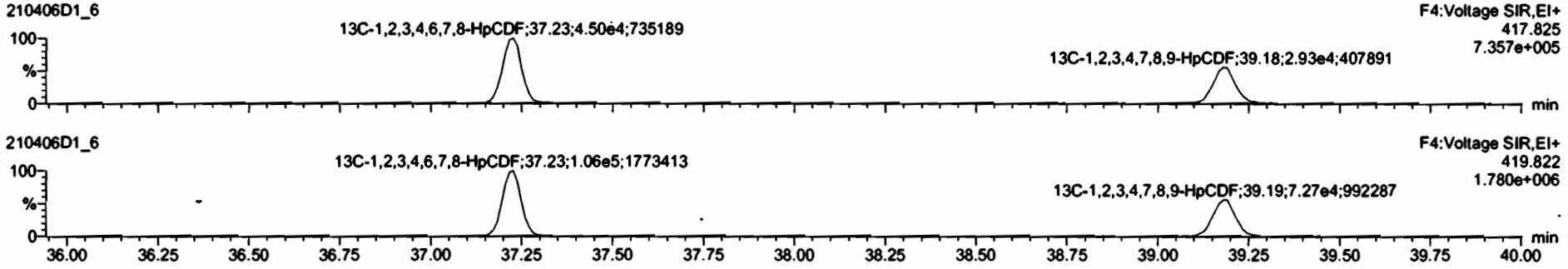
Last Altered: Tuesday, April 06, 2021 13:02:42 Pacific Daylight Time
Printed: Tuesday, April 06, 2021 13:02:50 Pacific Daylight Time

Name: 210406D1_6, Date: 06-Apr-2021, Time: 12:10:43, ID: B1C0237-BLK1 Method Blank 10, Description: Method Blank

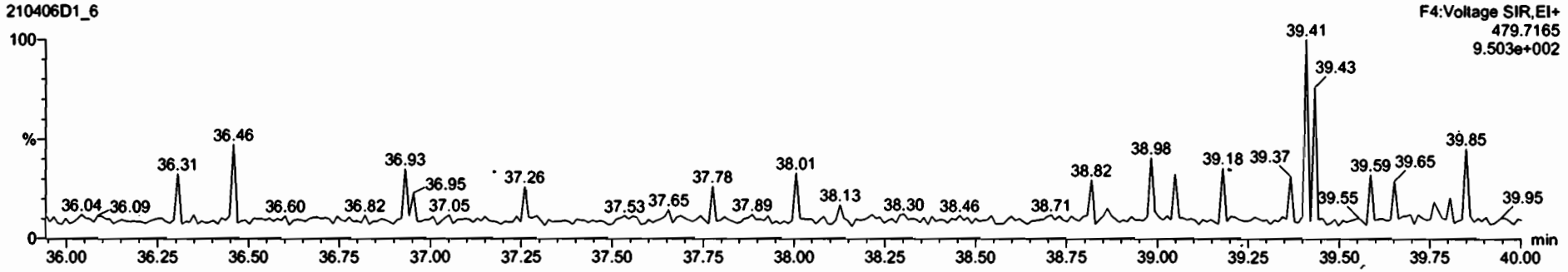
1,2,3,4,6,7,8-HpCDF



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



DPE4

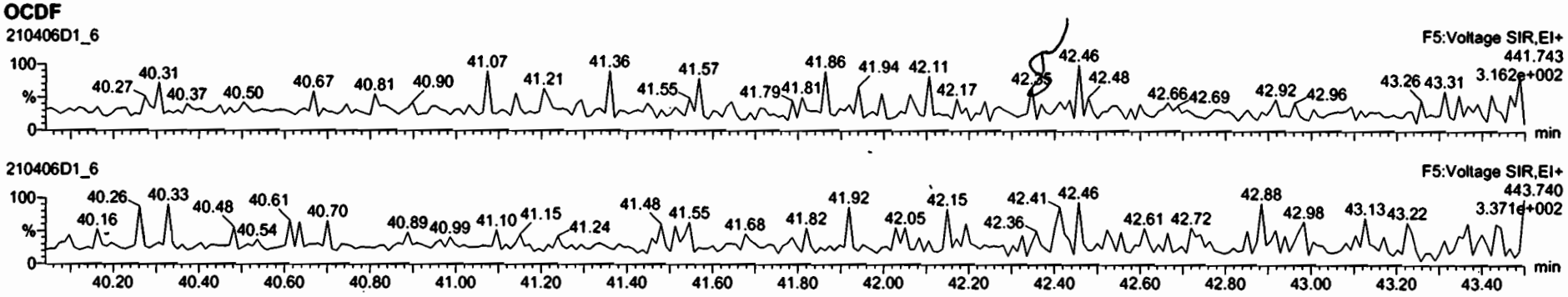


Dataset: Untitled

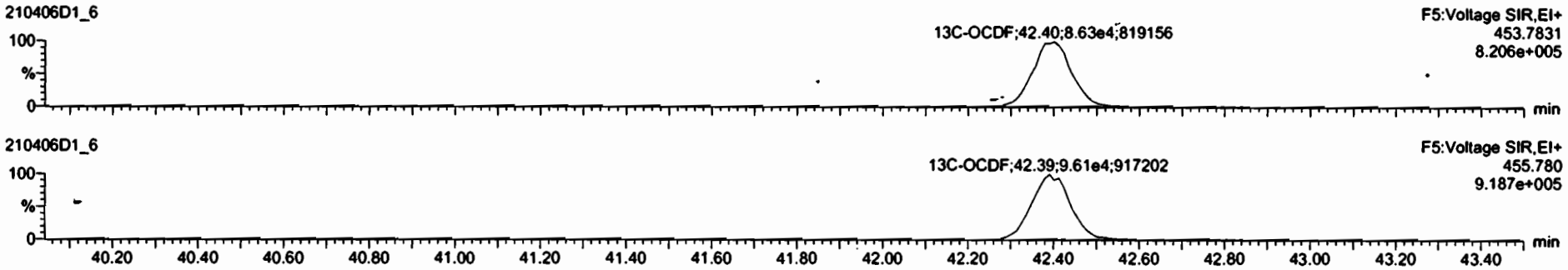
Last Altered: Tuesday, April 06, 2021 13:02:42 Pacific Daylight Time
Printed: Tuesday, April 06, 2021 13:02:50 Pacific Daylight Time

Name: 210406D1_6, Date: 06-Apr-2021, Time: 12:10:43, ID: B1C0237-BLK1 Method Blank 10, Description: Method Blank

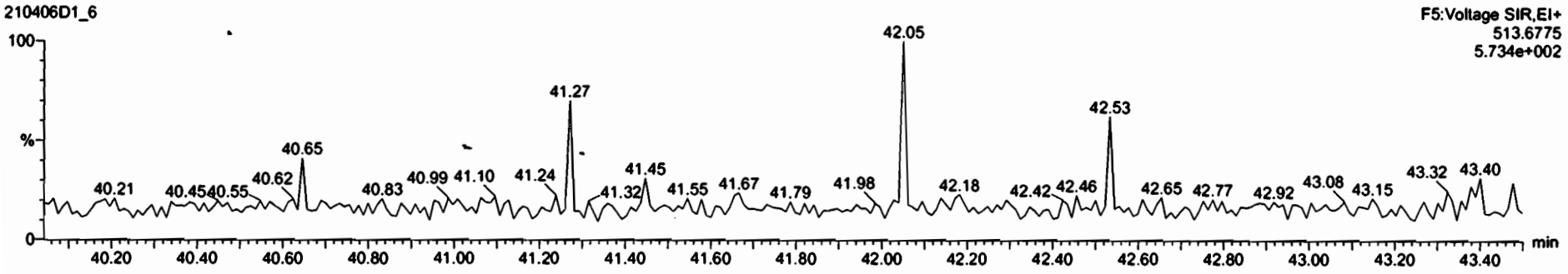
OCDF



13C-OCDF



DPE5

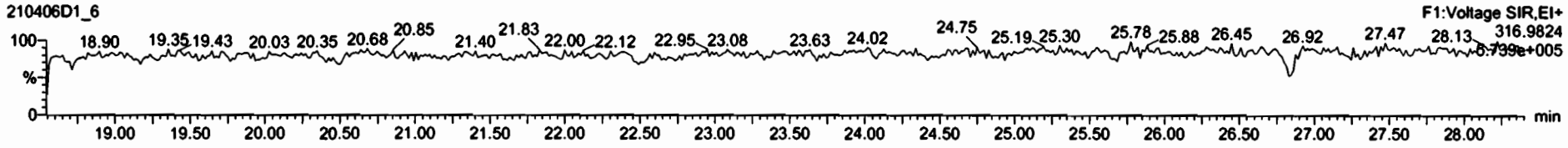


Dataset: Untitled

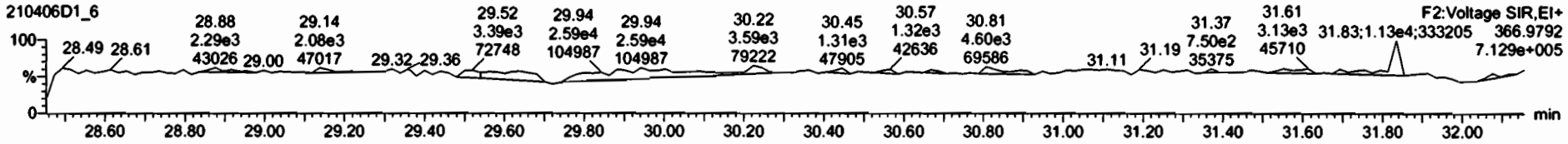
Last Altered: Tuesday, April 06, 2021 13:02:42 Pacific Daylight Time
Printed: Tuesday, April 06, 2021 13:02:50 Pacific Daylight Time

Name: 210406D1_6, Date: 06-Apr-2021, Time: 12:10:43, ID: B1C0237-BLK1 Method Blank 10, Description: Method Blank

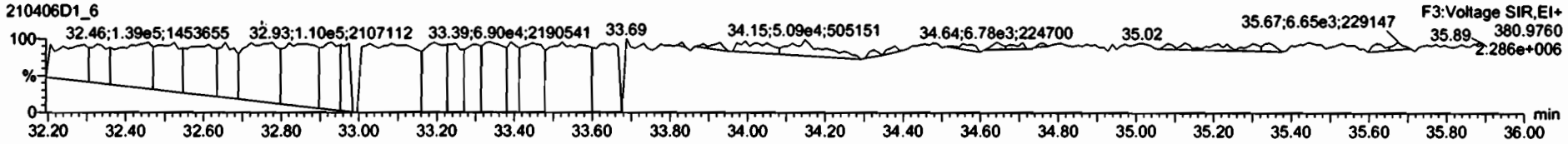
PFK1



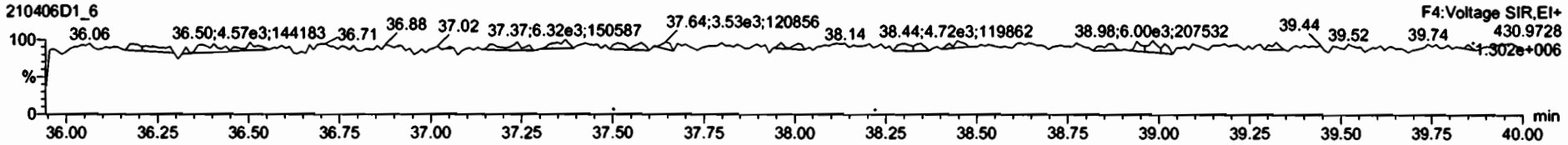
PFK2



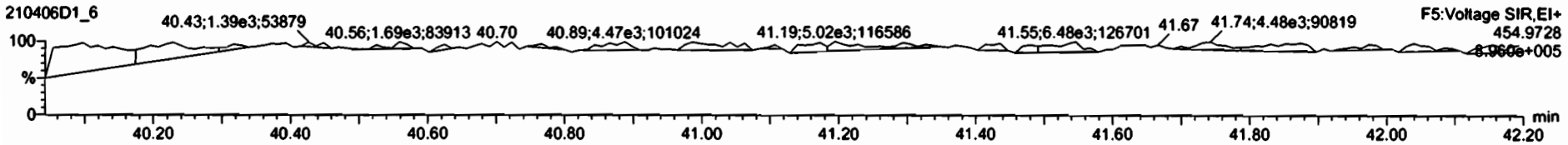
PFK3



PFK4



PFK5



Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-4.qld

Last Altered: Tuesday, April 06, 2021 11:31:47 Pacific Daylight Time
Printed: Tuesday, April 06, 2021 11:50:17 Pacific Daylight Time

lk 4.6.2021 CT 04/21/2021

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_4-6-21.mdb 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210406D1_4, Date: 06-Apr-2021, Time: 10:38:22, ID: B1C0237-BS1 OPR 10, Description: OPR, Task: ST210406D1-2

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	2.16e4	0.80	NO	0.998	10.000	27.08	1.001	16.314		0.0536	16.3
2	1,2,3,7,8-PeCDD	6.68e4	0.60	NO	0.961	10.000	31.21	1.001	83.053		0.153	83.1
3	1,2,3,4,7,8-HxCDD	6.83e4	1.31	NO	1.18	10.000	34.65	1.001	86.913		0.233	86.9
4	1,2,3,6,7,8-HxCDD	6.63e4	1.28	NO	1.04	10.000	34.78	1.001	87.976		0.238	88.0
5	1,2,3,7,8,9-HxCDD	6.85e4	1.27	NO	1.06	10.000	35.08	1.001	87.576		0.251	87.6
6	1,2,3,4,6,7,8-HpCDD	4.87e4	1.04	NO	1.06	10.000	38.47	1.001	85.523		0.716	85.5
7	OCDD	5.26e4	0.90	NO	0.977	10.000	42.04	1.000	173.08		0.732	173
8	2,3,7,8-TCDF	3.08e4	0.76	NO	0.989	10.000	26.49	1.001	15.963		0.0409	16.0
9	1,2,3,7,8-PeCDF	1.19e5	1.63	NO	1.02	10.000	30.08	1.001	81.532		0.159	81.5
10	2,3,4,7,8-PeCDF	1.08e5	1.66	NO	1.17	10.000	31.03	1.001	84.723		0.201	84.7
11	1,2,3,4,7,8-HxCDF	1.05e5	1.25	NO	1.14	10.000	33.67	1.000	86.002		0.223	86.0
12	1,2,3,6,7,8-HxCDF	1.09e5	1.22	NO	1.04	10.000	33.82	1.001	86.052		0.224	86.1
13	2,3,4,6,7,8-HxCDF	1.02e5	1.26	NO	1.13	10.000	34.53	1.001	86.088		0.253	86.1
14	1,2,3,7,8,9-HxCDF	8.93e4	1.27	NO	1.07	10.000	35.65	1.001	86.046		0.298	86.0
15	1,2,3,4,6,7,8-HpCDF	7.09e4	1.04	NO	1.11	10.000	37.22	1.001	83.219		0.403	83.2
16	1,2,3,4,7,8,9-HpCDF	5.92e4	1.04	NO	1.32	10.000	39.20	1.000	82.017		0.673	82.0
17	OCDF	7.17e4	0.90	NO	0.931	10.000	42.45	1.000	164.76		0.457	165
18	13C-2,3,7,8-TCDD	2.65e5	0.79	NO	1.20	10.000	27.04	1.024	230.51	115	0.344	
19	13C-1,2,3,7,8-PeCDD	1.67e5	0.61	NO	0.864	10.000	31.19	1.181	202.43	101	0.288	
20	13C-1,2,3,4,7,8-HxCDD	1.33e5	1.39	NO	0.600	10.000	34.63	1.015	226.72	113	0.774	
21	13C-1,2,3,6,7,8-HxCDD	1.45e5	1.26	NO	0.674	10.000	34.76	1.019	220.35	110	0.688	
22	13C-1,2,3,7,8,9-HxCDD	1.48e5	1.28	NO	0.679	10.000	35.06	1.027	222.90	111	0.684	
23	13C-1,2,3,4,6,7,8-HpCDD	1.07e5	1.04	NO	0.558	10.000	38.44	1.127	197.33	98.7	1.26	
24	13C-OCDD	1.24e5	0.89	NO	0.496	10.000	42.02	1.231	256.84	64.2	0.411	
25	13C-2,3,7,8-TCDF	3.90e5	0.80	NO	1.03	10.000	26.48	1.002	241.77	121	0.316	
26	13C-1,2,3,7,8-PeCDF	2.86e5	1.57	NO	0.805	10.000	30.06	1.138	225.82	113	0.439	
27	13C-2,3,4,7,8-PeCDF	2.16e5	1.60	NO	0.748	10.000	31.01	1.174	183.76	91.9	0.473	
28	13C-1,2,3,4,7,8-HxCDF	2.14e5	0.52	NO	0.968	10.000	33.65	0.986	226.01	113	0.814	
29	13C-1,2,3,6,7,8-HxCDF	2.44e5	0.50	NO	1.08	10.000	33.80	0.990	230.39	115	0.726	
30	13C-2,3,4,6,7,8-HxCDF	2.11e5	0.49	NO	0.960	10.000	34.51	1.011	224.68	112	0.820	
31	13C-1,2,3,7,8,9-HxCDF	1.93e5	0.51	NO	0.869	10.000	35.63	1.044	227.54	114	0.906	
32	13C-1,2,3,4,6,7,8-HpCDF	1.53e5	0.41	NO	0.794	10.000	37.19	1.090	197.15	98.6	1.07	

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-4.qld

Last Altered: Tuesday, April 06, 2021 11:31:47 Pacific Daylight Time
Printed: Tuesday, April 06, 2021 11:50:17 Pacific Daylight Time

Name: 210406D1_4, Date: 06-Apr-2021, Time: 10:38:22, ID: B1C0237-BS1 OPR 10, Description: OPR, Task: ST210406D1-2

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
33	13C-1,2,3,4,7,8,9-HpCDF	1.10e5	0.43	NO	0.586	10.000	39.19	1.148	192.01	96.0	1.45	
34	13C-OCDF	1.87e5	0.90	NO	0.711	10.000	42.42	1.243	269.47	67.4	0.447	
35	37Cl-2,3,7,8-TCDD	1.03e5			1.11	10.000	27.08	1.025	97.250	122	0.0446	
36	13C-1,2,3,4-TCDD	1.91e5	0.75	NO	1.00	10.000	26.42	1.000	200.00	100	0.413	
37	13C-1,2,3,4-TCDF	3.15e5	0.80	NO	1.00	10.000	25.19	1.000	200.00	100	0.324	
38	13C-1,2,3,4,6,9-HxCDF	1.95e5	0.50	NO	1.00	10.000	34.13	1.000	200.00	100	0.788	

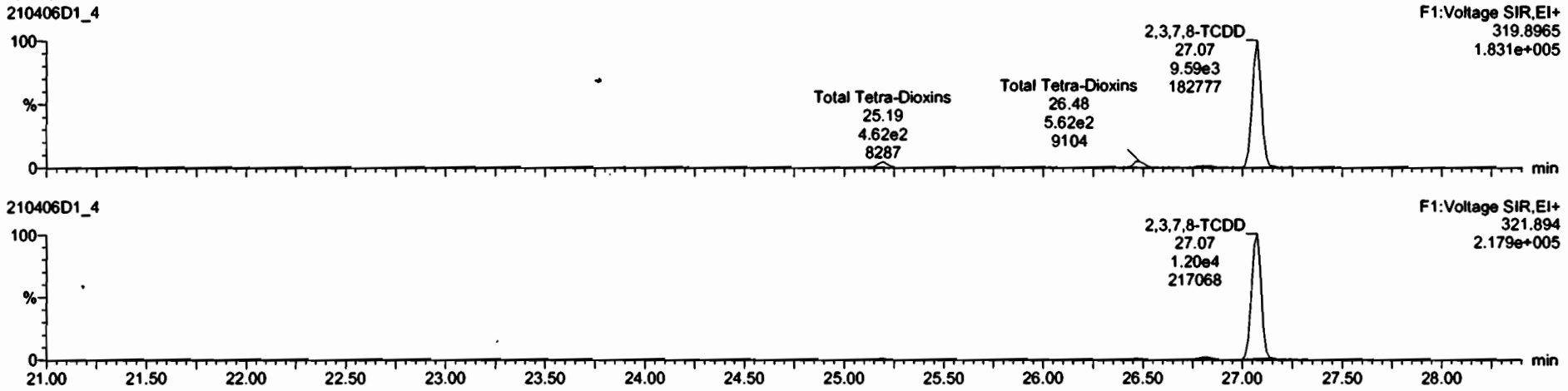
Dataset: Ũ:\VG7.PRO\Results\210406D1\210406D1-4.qld

Last Altered: Tuesday, April 06, 2021 11:31:47 Pacific Daylight Time
Printed: Tuesday, April 06, 2021 11:39:41 Pacific Daylight Time

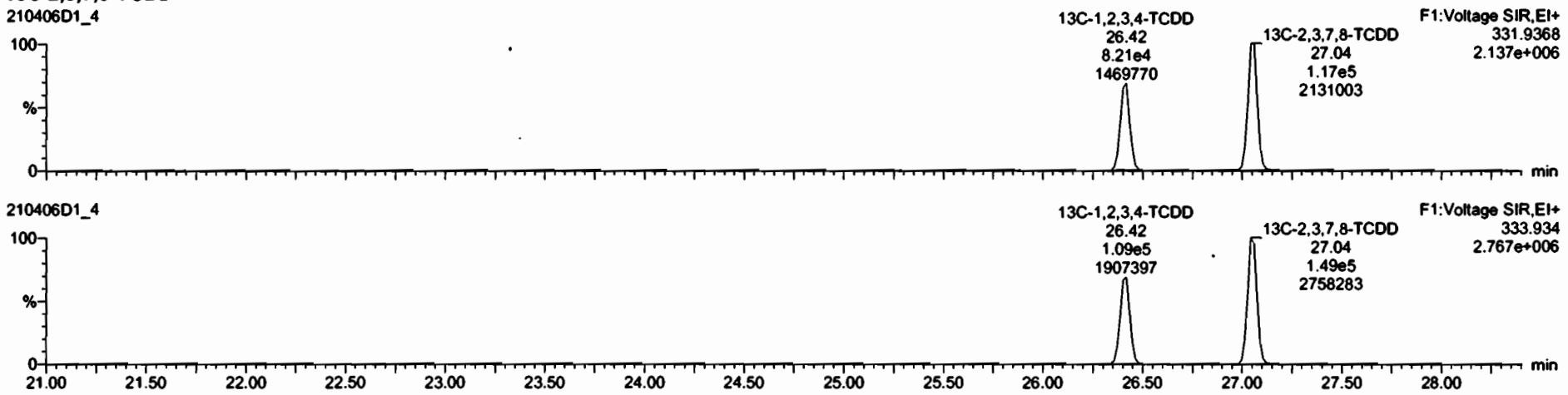
Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_4-6-21.mdb 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210406D1_4, Date: 06-Apr-2021, Time: 10:38:22, ID: B1C0237-BS1 OPR 10, Description: OPR

2,3,7,8-TCDD



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

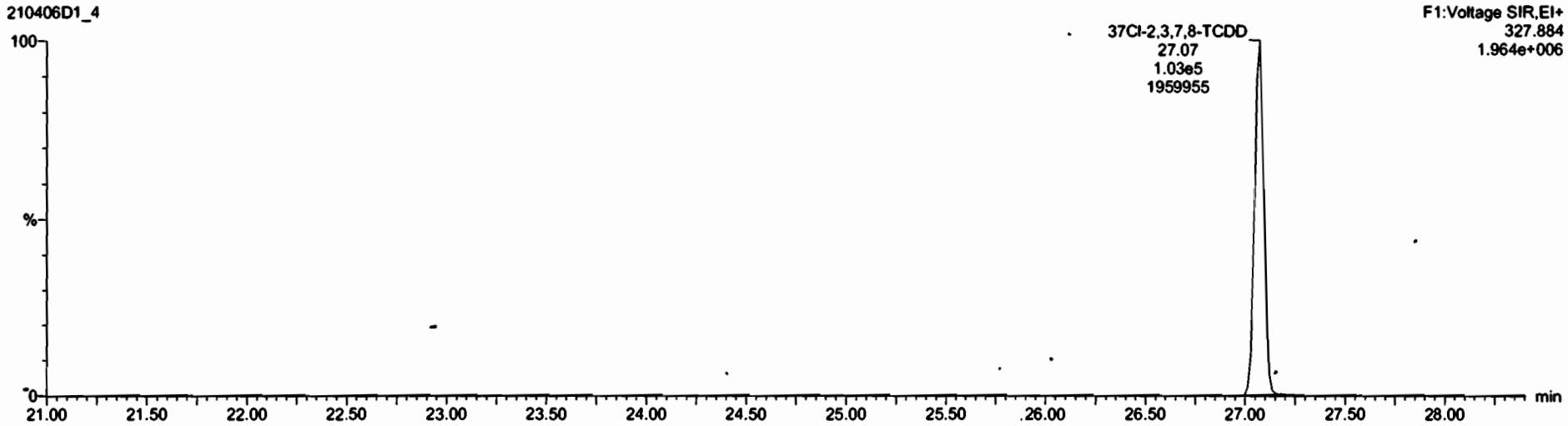


Dataset: U:\VG7.PRO\Results\210406D1\210406D1-4.qld

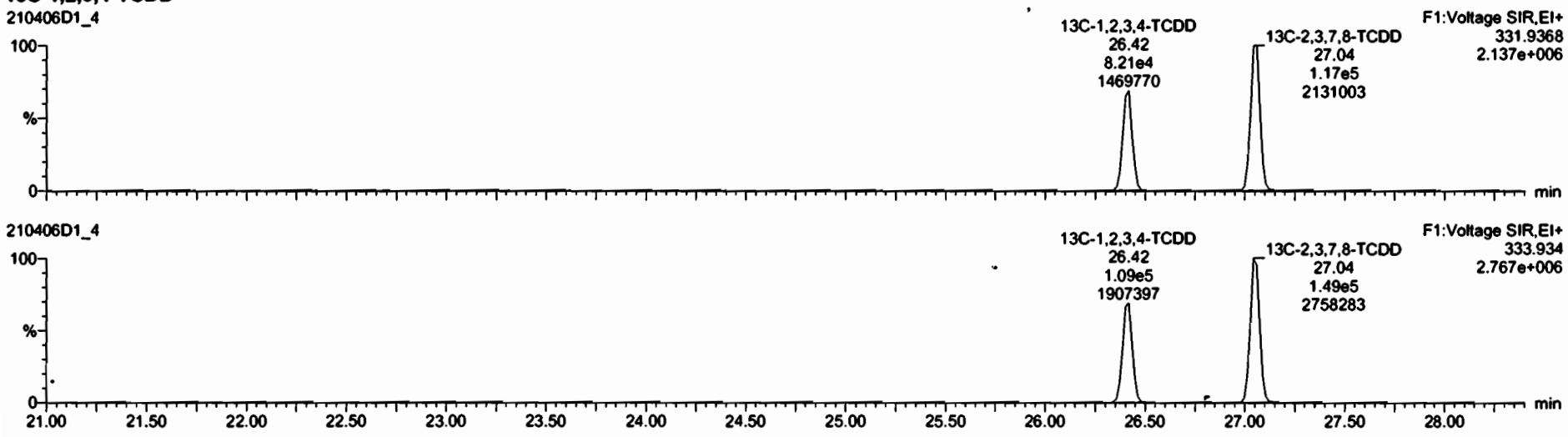
Last Altered: Tuesday, April 06, 2021 11:31:47 Pacific Daylight Time
Printed: Tuesday, April 06, 2021 11:39:41 Pacific Daylight Time

Name: 210406D1_4, Date: 06-Apr-2021, Time: 10:38:22, ID: B1C0237-BS1 OPR 10, Description: OPR

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



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

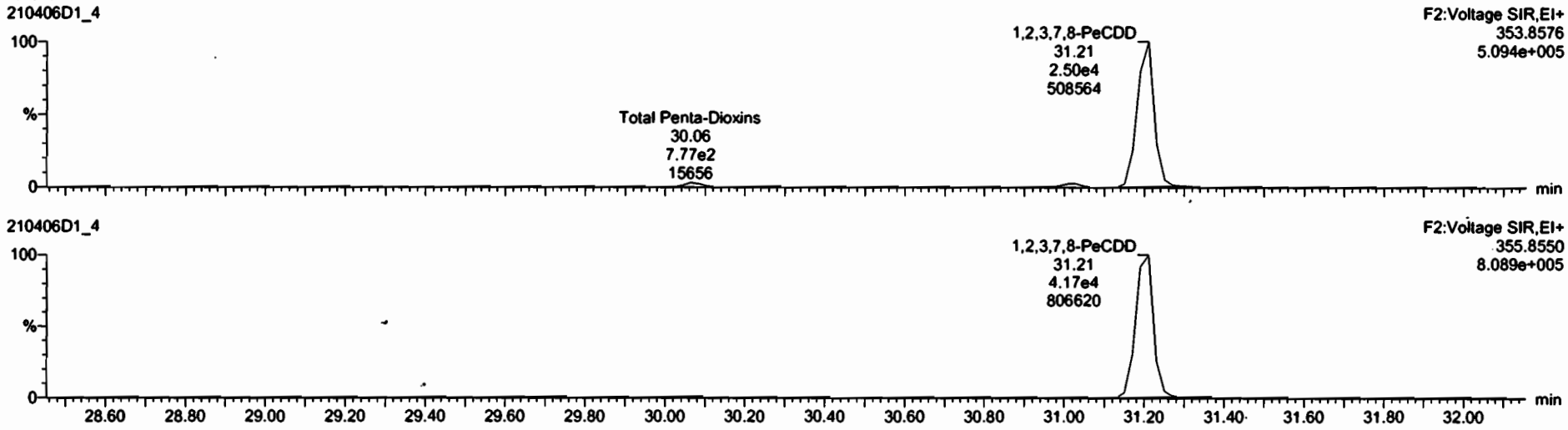


Dataset: U:\VG7.PRO\Results\210406D1\210406D1-4.qld

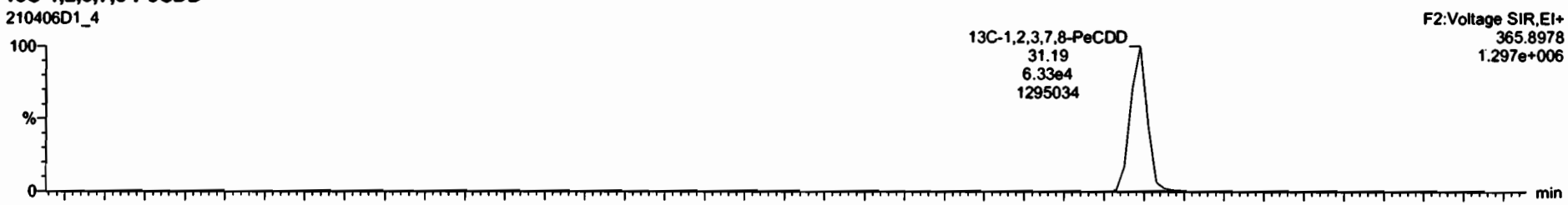
Last Altered: Tuesday, April 06, 2021 11:31:47 Pacific Daylight Time
Printed: Tuesday, April 06, 2021 11:39:41 Pacific Daylight Time

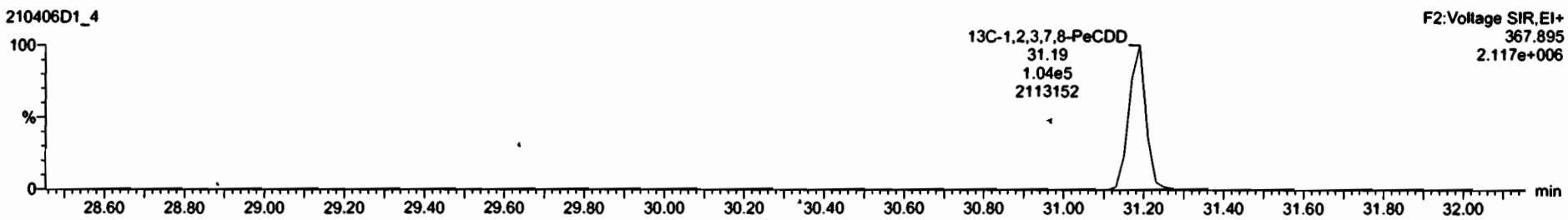
Name: 210406D1_4, Date: 06-Apr-2021, Time: 10:38:22, ID: B1C0237-BS1 OPR 10, Description: OPR

1,2,3,7,8-PeCDD



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



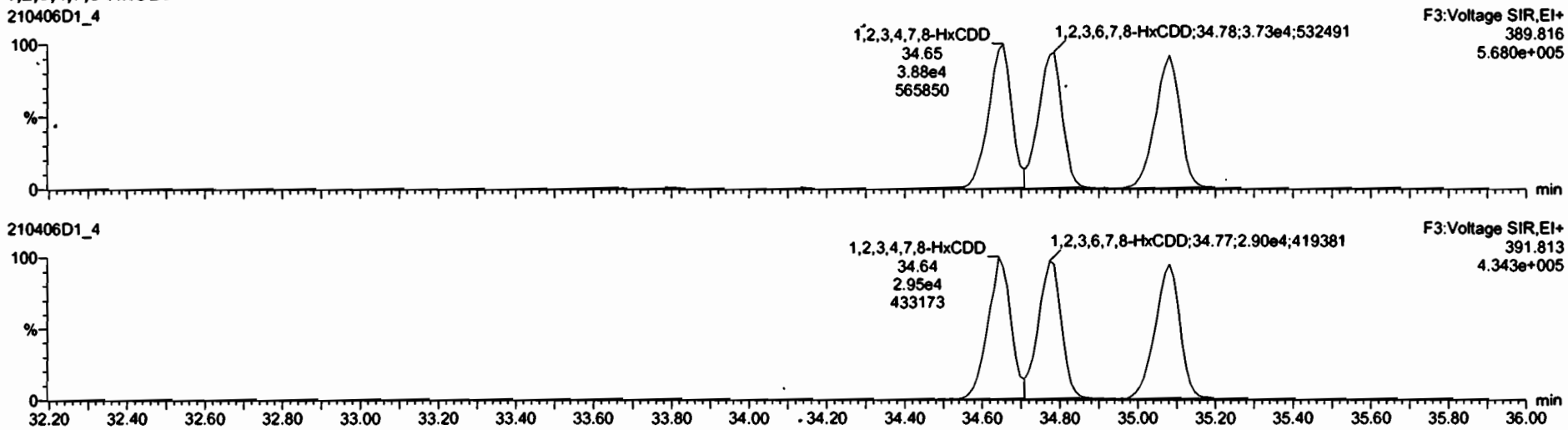


Dataset: U:\VG7.PRO\Results\210406D1\210406D1-4.qld

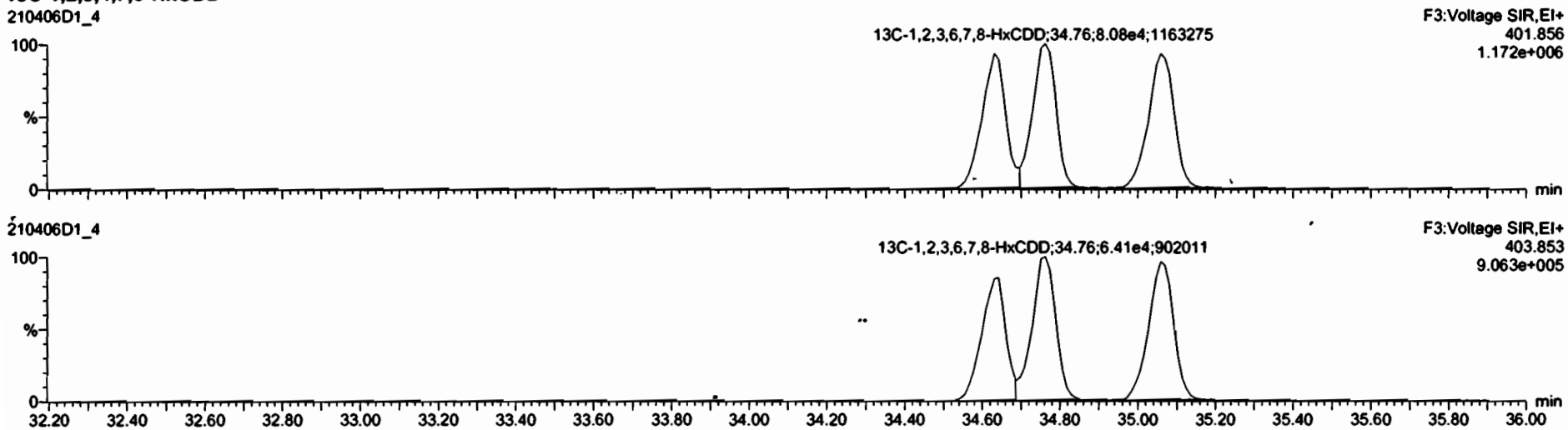
Last Altered: Tuesday, April 06, 2021 11:31:47 Pacific Daylight Time
Printed: Tuesday, April 06, 2021 11:39:41 Pacific Daylight Time

Name: 210406D1_4, Date: 06-Apr-2021, Time: 10:38:22, ID: B1C0237-BS1 OPR 10, Description: OPR

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



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

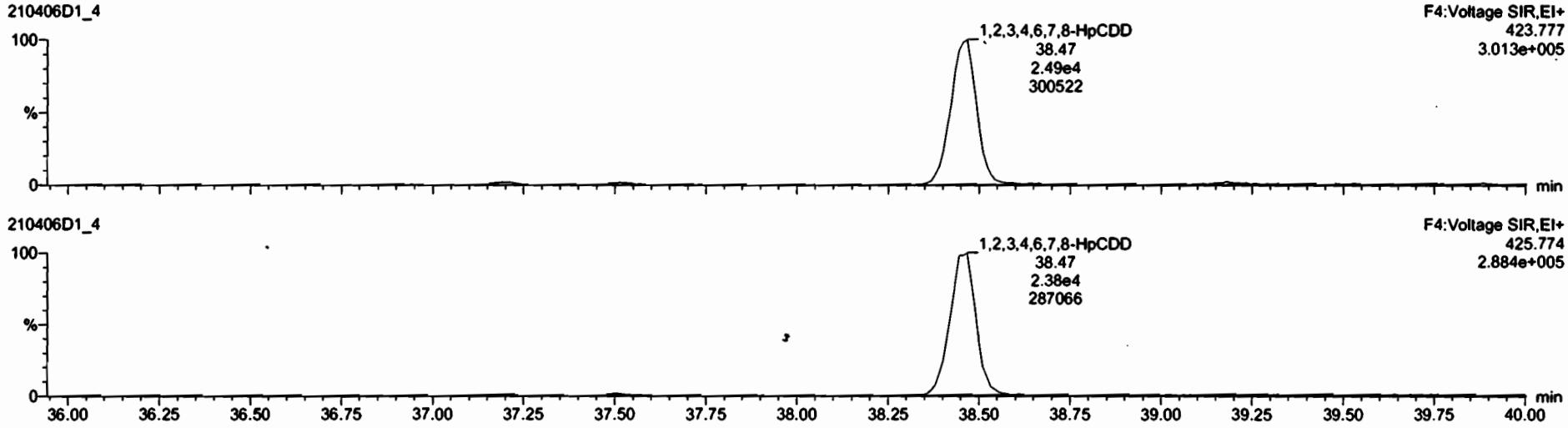


Dataset: U:\VG7.PRO\Results\210406D1\210406D1-4.qld

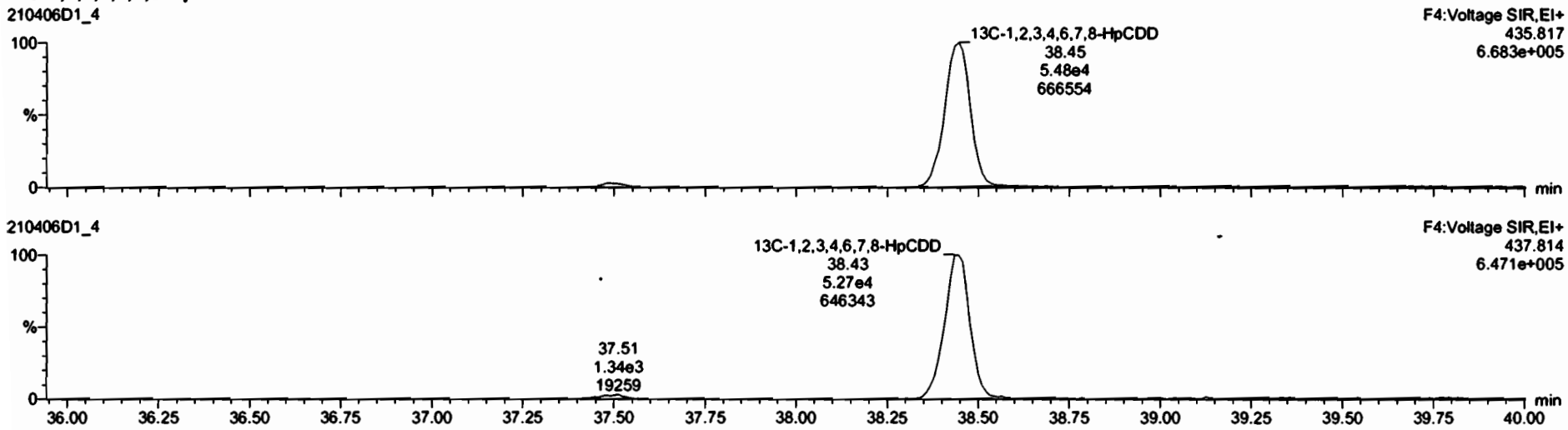
Last Altered: Tuesday, April 06, 2021 11:31:47 Pacific Daylight Time
Printed: Tuesday, April 06, 2021 11:39:41 Pacific Daylight Time

Name: 210406D1_4, Date: 06-Apr-2021, Time: 10:38:22, ID: B1C0237-BS1 OPR 10, Description: OPR

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



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

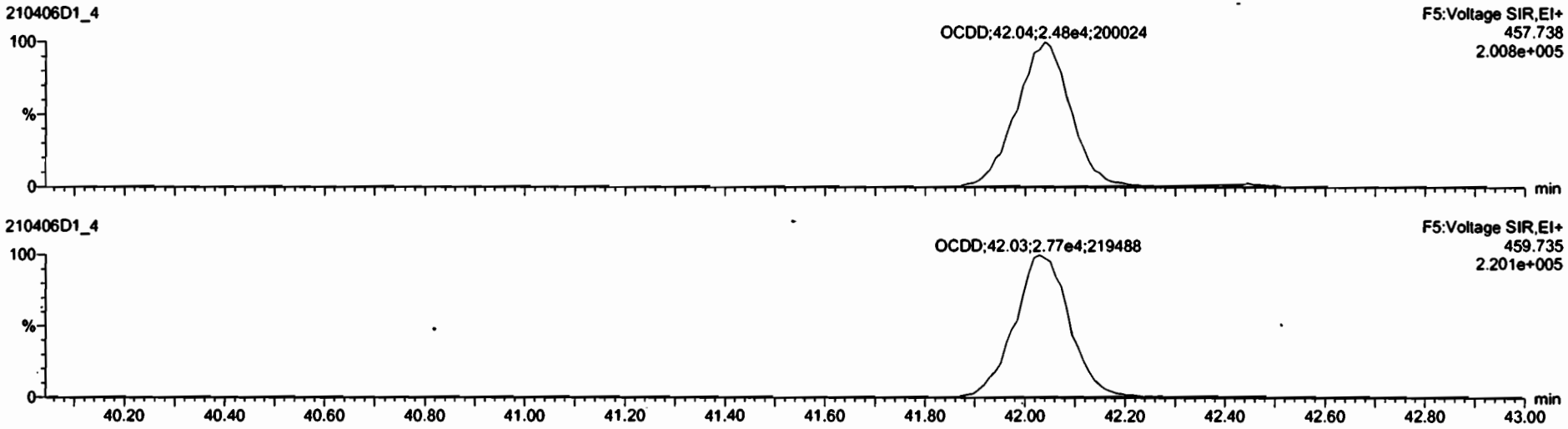


Dataset: U:\VG7.PRO\Results\210406D1\210406D1-4.qld

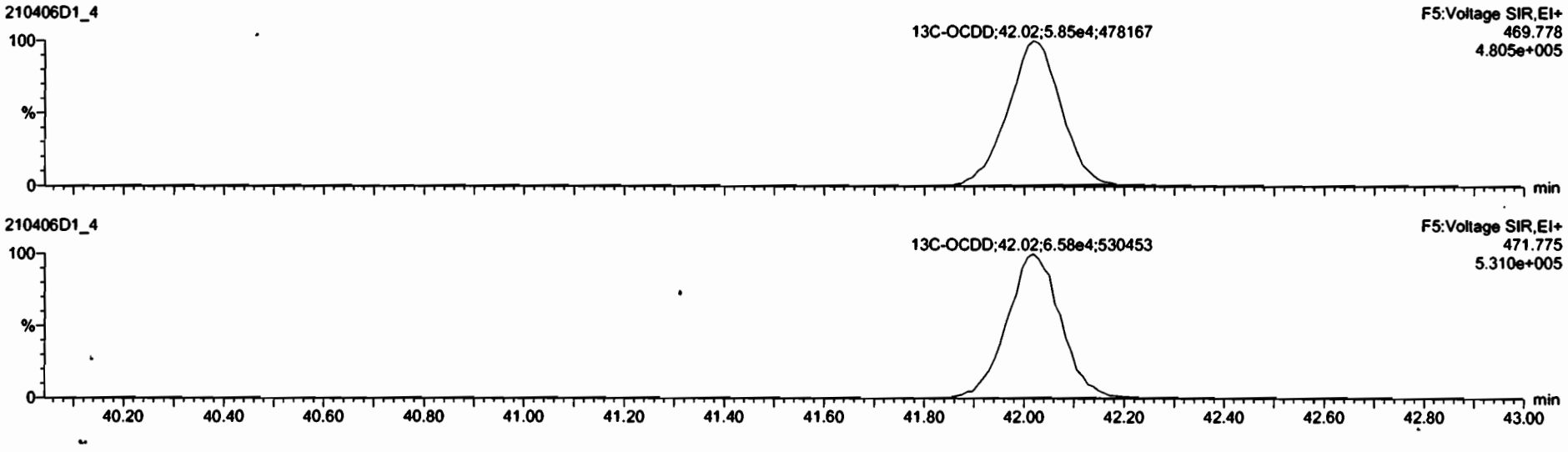
Last Altered: Tuesday, April 06, 2021 11:31:47 Pacific Daylight Time
Printed: Tuesday, April 06, 2021 11:39:41 Pacific Daylight Time

Name: 210406D1_4, Date: 06-Apr-2021, Time: 10:38:22, ID: B1C0237-BS1 OPR 10, Description: OPR

OCDD



13C-OCDD

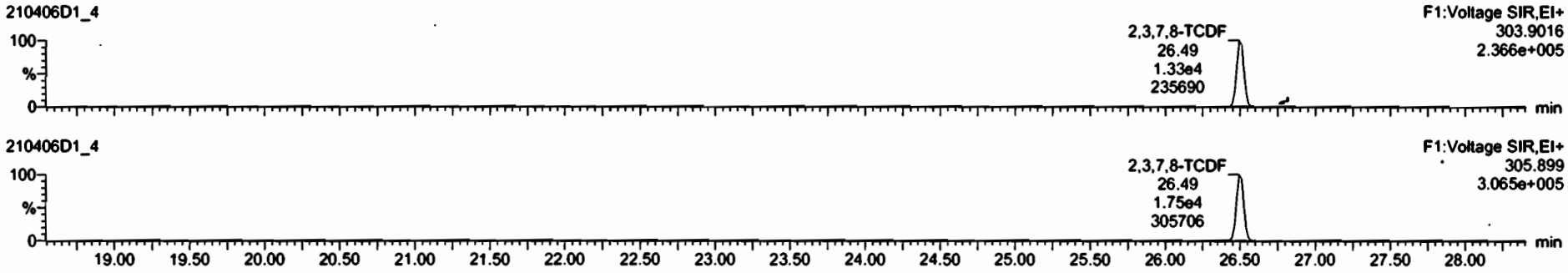


Dataset: U:\VG7.PRO\Results\210406D1\210406D1-4.qld

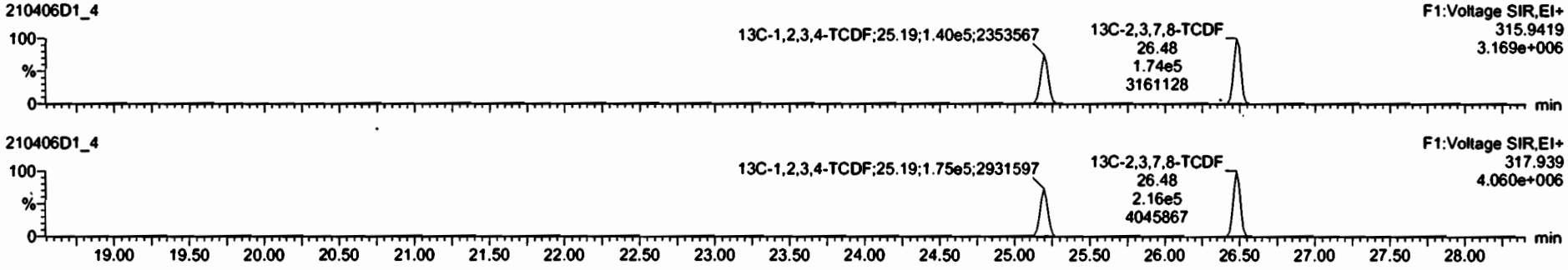
Last Altered: Tuesday, April 06, 2021 11:31:47 Pacific Daylight Time
Printed: Tuesday, April 06, 2021 11:39:41 Pacific Daylight Time

Name: 210406D1_4, Date: 06-Apr-2021, Time: 10:38:22, ID: B1C0237-BS1 OPR 10, Description: OPR

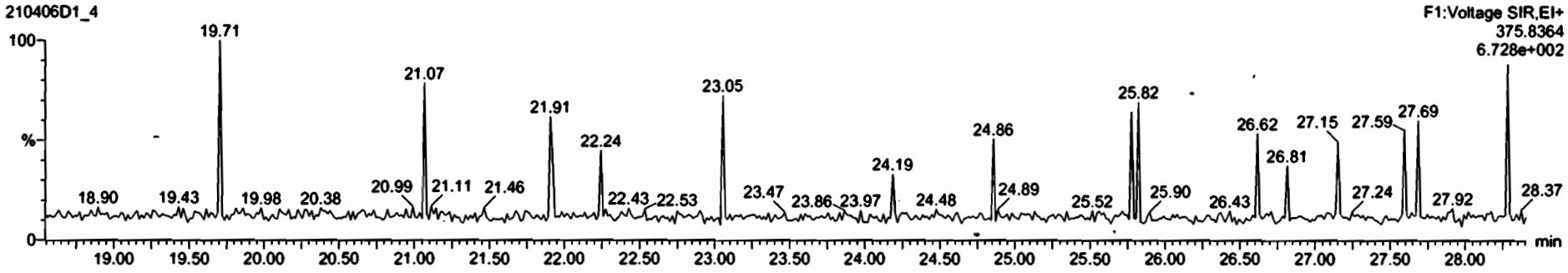
2,3,7,8-TCDF



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



DPE1



Dataset: U:\VG7.PRO\Results\210406D1\210406D1-4.qld

Last Altered: Tuesday, April 06, 2021 11:31:47 Pacific Daylight Time
Printed: Tuesday, April 06, 2021 11:39:41 Pacific Daylight Time

Name: 210406D1_4, Date: 06-Apr-2021, Time: 10:38:22, ID: B1C0237-BS1 OPR 10, Description: OPR

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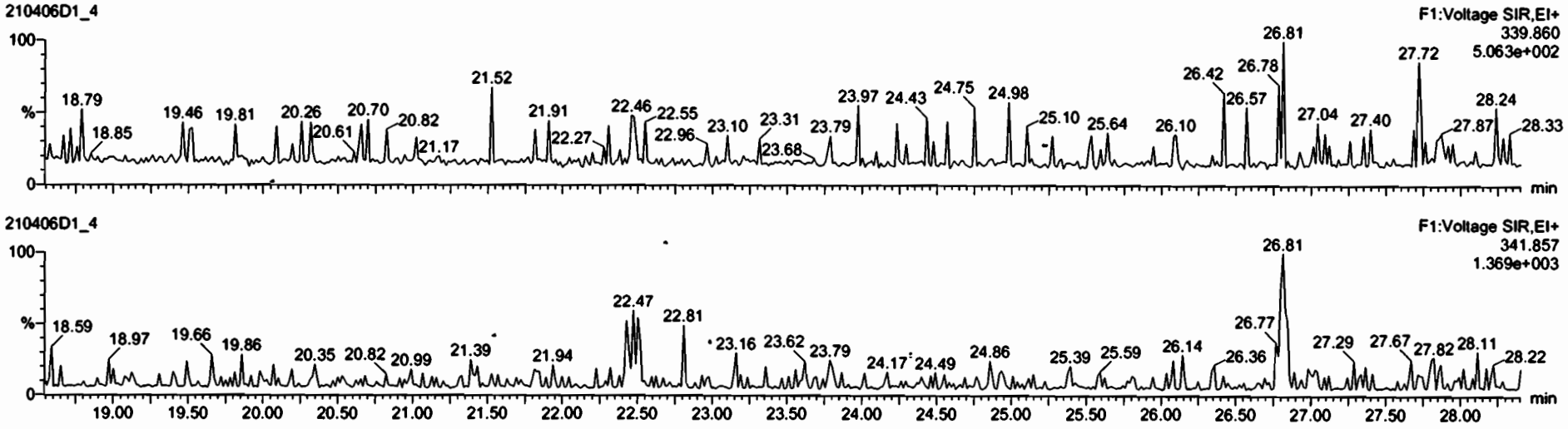
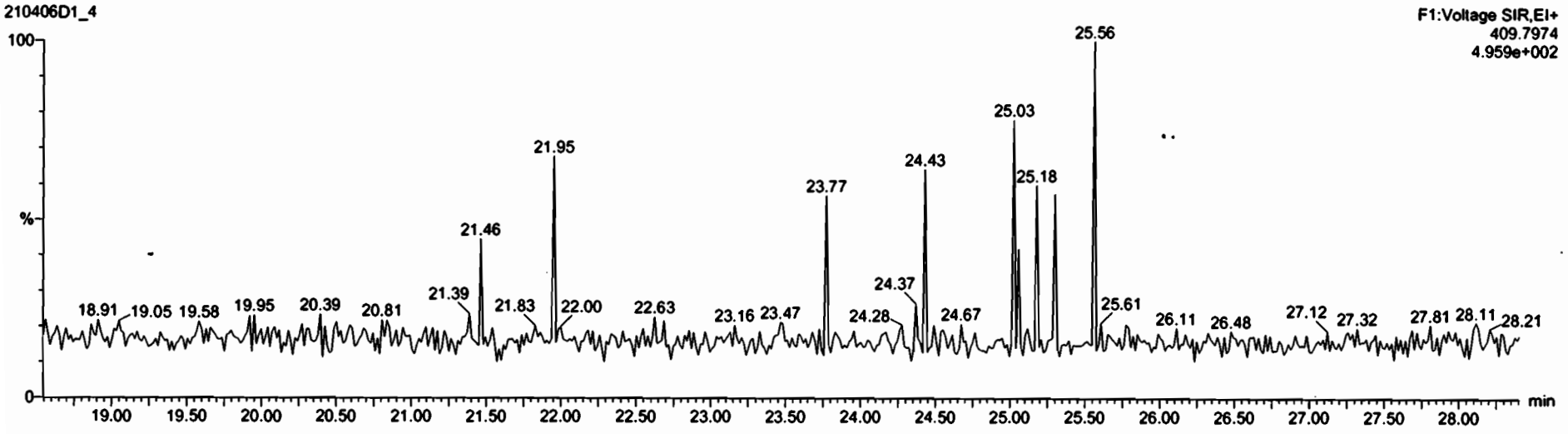


DPE6

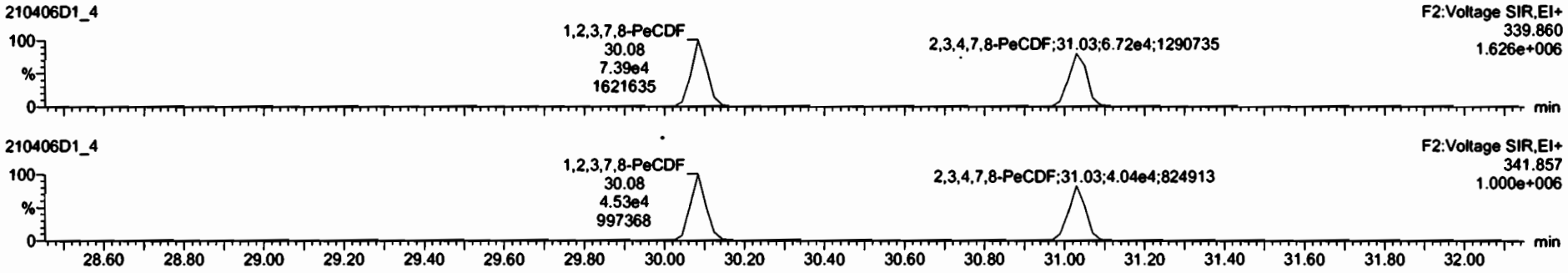


Dataset: U:\VG7.PRO\Results\210406D1\210406D1-4.qld

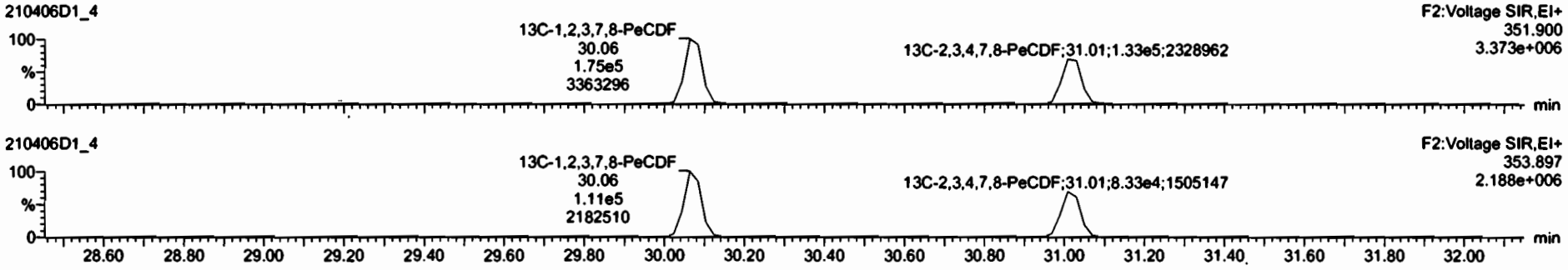
Last Altered: Tuesday, April 06, 2021 11:31:47 Pacific Daylight Time
Printed: Tuesday, April 06, 2021 11:39:41 Pacific Daylight Time

Name: 210406D1_4, Date: 06-Apr-2021, Time: 10:38:22, ID: B1C0237-BS1 OPR 10, Description: OPR

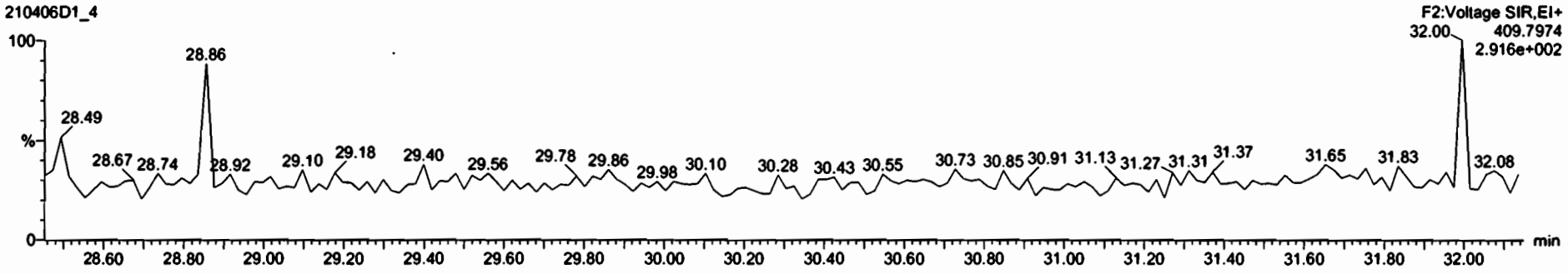
1,2,3,7,8-PeCDF



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



DPE2

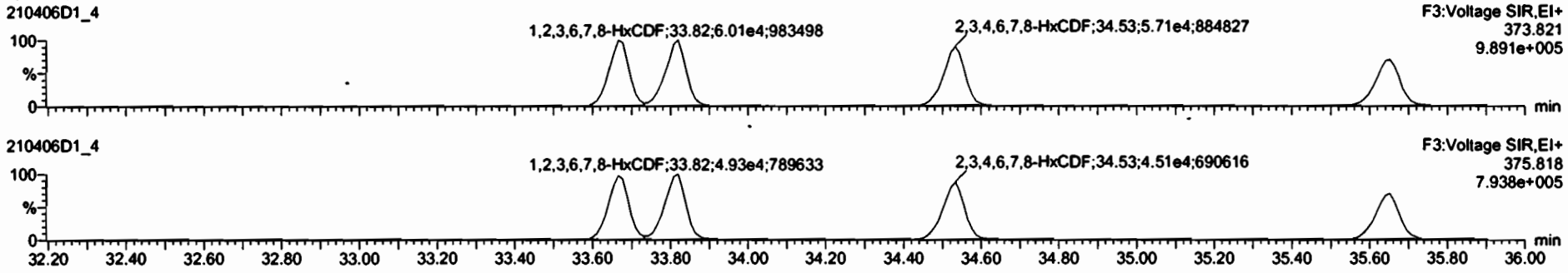


Dataset: U:\VG7.PRO\Results\210406D1\210406D1-4.qld

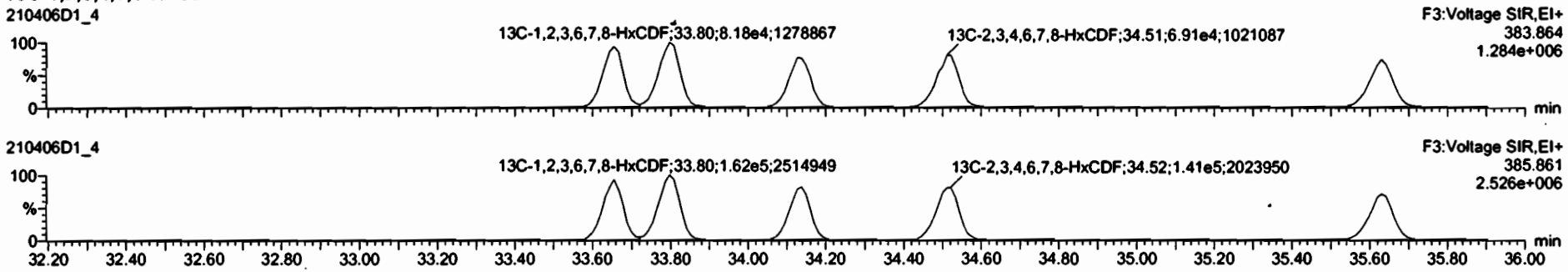
Last Altered: Tuesday, April 06, 2021 11:31:47 Pacific Daylight Time
Printed: Tuesday, April 06, 2021 11:39:41 Pacific Daylight Time

Name: 210406D1_4, Date: 06-Apr-2021, Time: 10:38:22, ID: B1C0237-BS1 OPR 10, Description: OPR

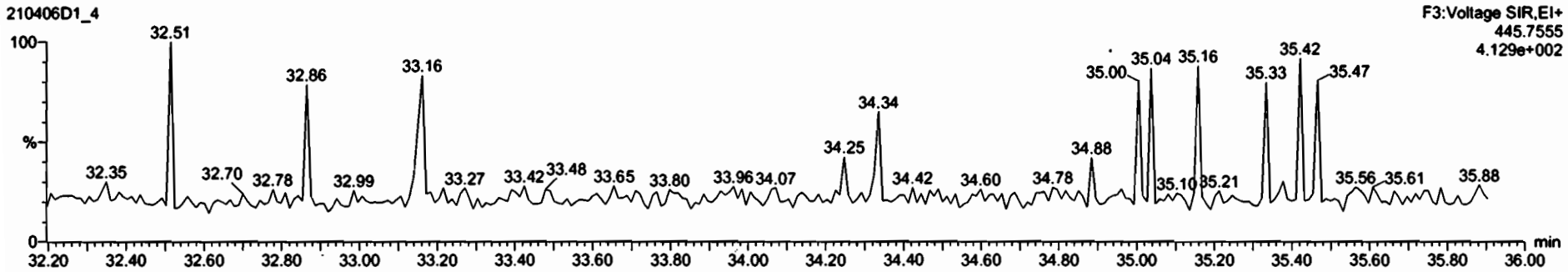
1,2,3,4,7,8-HxCDF



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



DPE3

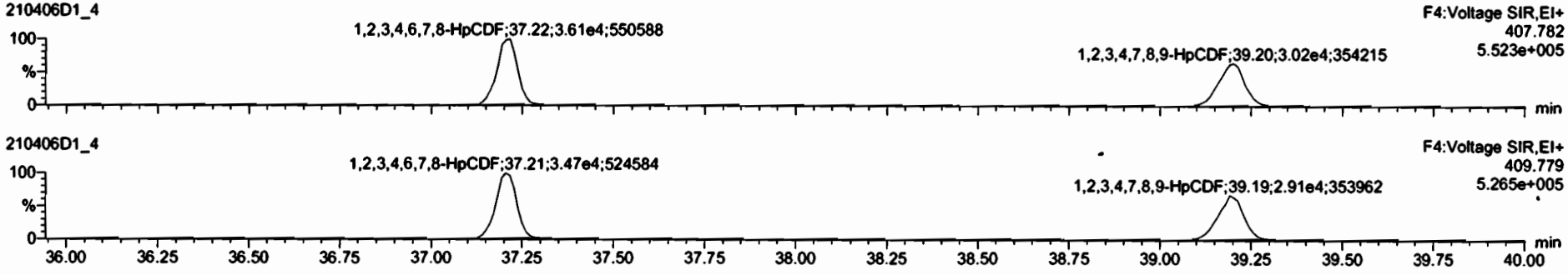


Dataset: U:\VG7.PRO\Results\210406D1\210406D1-4.qld

Last Altered: Tuesday, April 06, 2021 11:31:47 Pacific Daylight Time
Printed: Tuesday, April 06, 2021 11:39:41 Pacific Daylight Time

Name: 210406D1_4, Date: 06-Apr-2021, Time: 10:38:22, ID: B1C0237-BS1 OPR 10, Description: OPR

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



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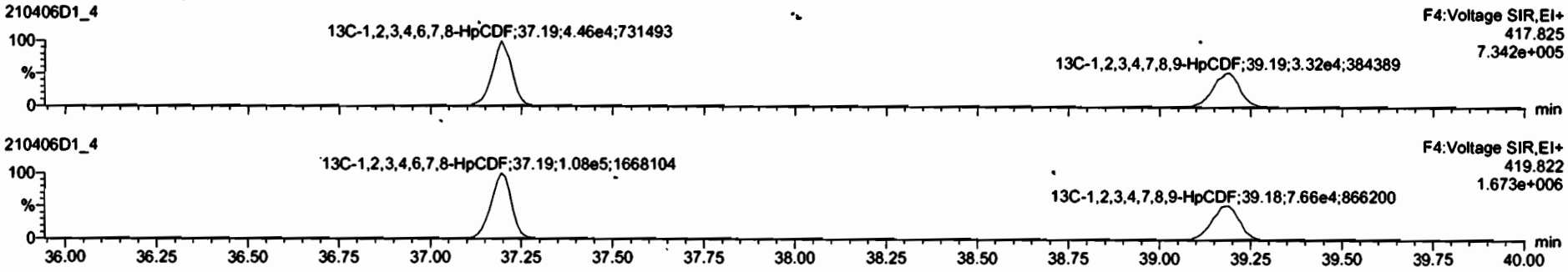
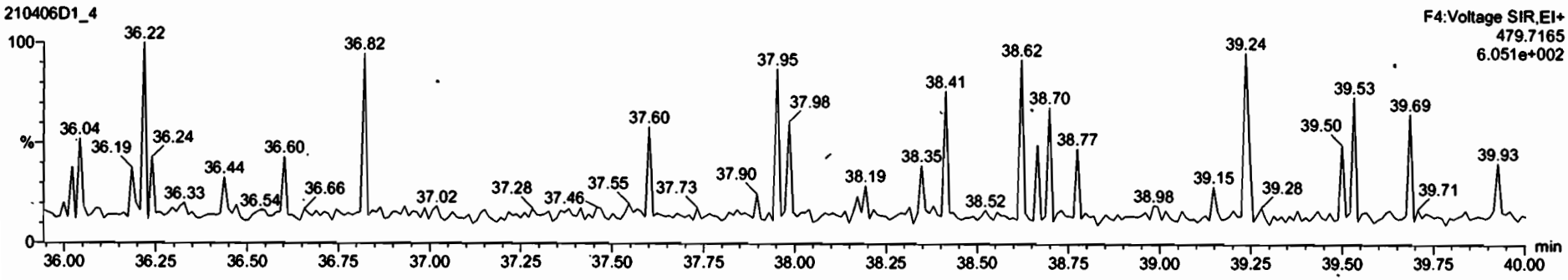


DPE4

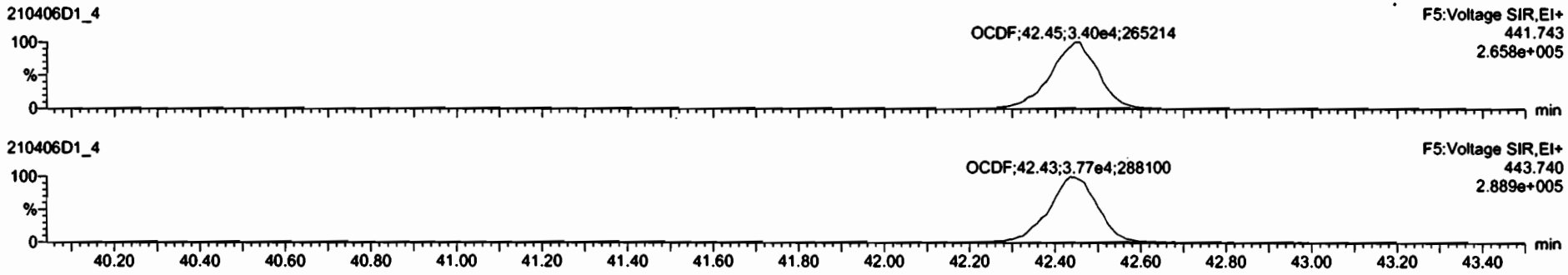


Dataset: U:\VG7.PRO\Results\210406D1\210406D1-4.qld

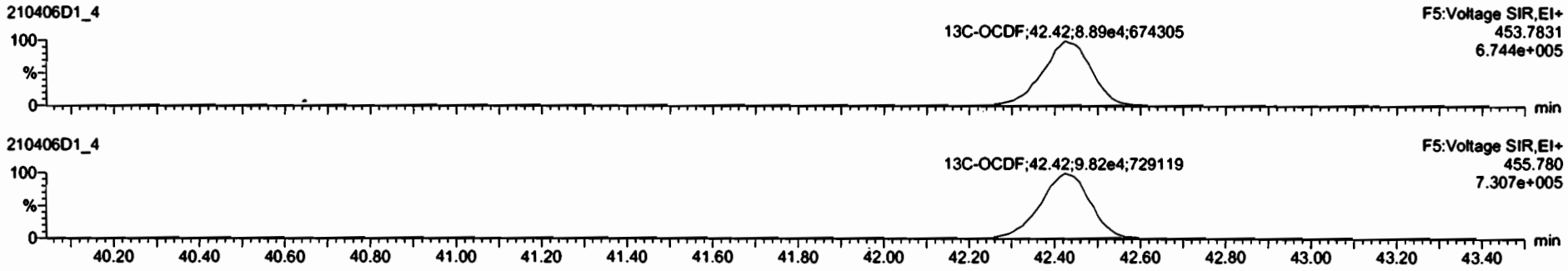
Last Altered: Tuesday, April 06, 2021 11:31:47 Pacific Daylight Time
Printed: Tuesday, April 06, 2021 11:39:41 Pacific Daylight Time

Name: 210406D1_4, Date: 06-Apr-2021, Time: 10:38:22, ID: B1C0237-BS1 OPR 10, Description: OPR

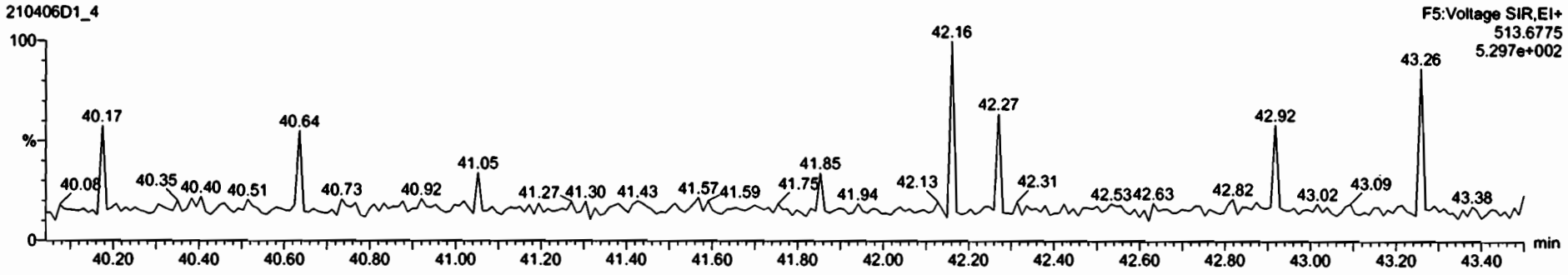
OCDF



13C-OCDF



DPE5

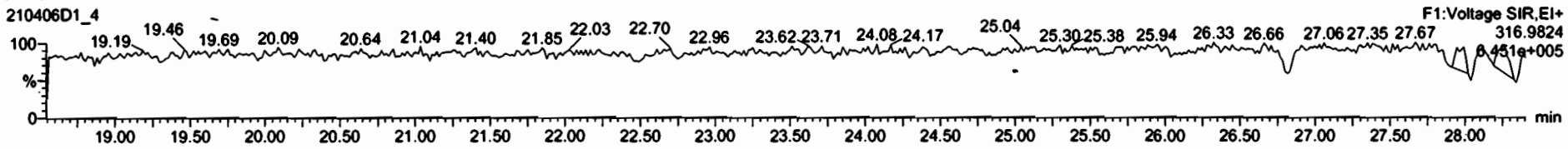


Dataset: U:\VG7.PRO\Results\210406D1\210406D1-4.qld

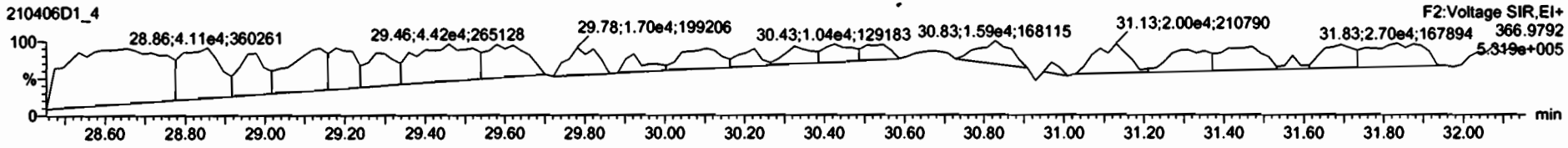
Last Altered: Tuesday, April 06, 2021 11:31:47 Pacific Daylight Time
Printed: Tuesday, April 06, 2021 11:39:41 Pacific Daylight Time

Name: 210406D1_4, Date: 06-Apr-2021, Time: 10:38:22, ID: B1C0237-BS1 OPR 10, Description: OPR

PFK1



PFK2



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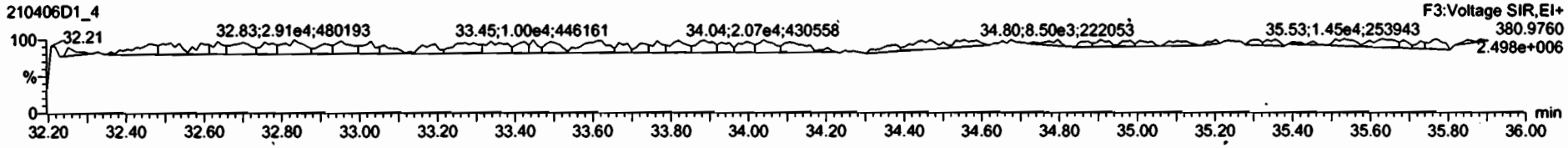
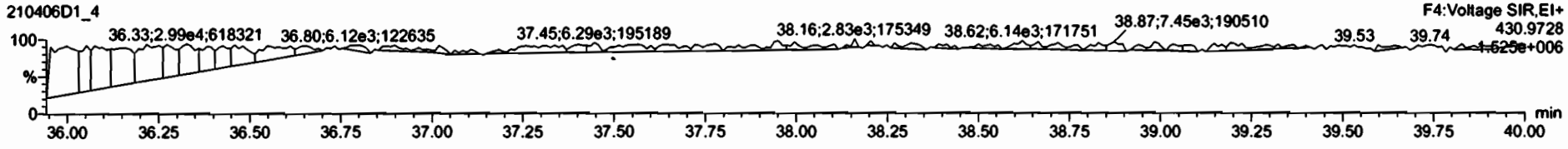
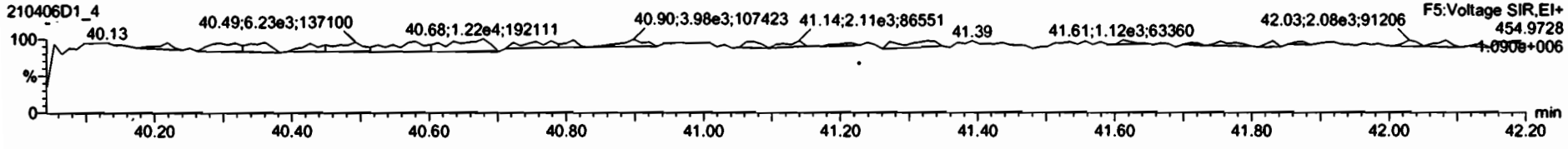


PFK4



PFK5



Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-7.qld

Last Altered: Tuesday, April 06, 2021 2:00:02 PM Pacific Daylight Time
Printed: Tuesday, April 06, 2021 2:01:01 PM Pacific Daylight Time

lh 4.6.21 CG 04/21/2021

Method: Untitled 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210406D1_7, Date: 06-Apr-2021, Time: 12:57:29, ID: 2103216-01 USMPDI-058RAB-00-10-210317 11.15, Description: USMPDI-058RAB-00-10-210317, Task: ST210406D1-2

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD			NO	0.998	10.027					0.0445	
2	1,2,3,7,8-PeCDD	8.39e1	0.85	YES	0.961	10.027	31.23	1.001	0.088609		0.0961	0.0782
3	1,2,3,4,7,8-HxCDD			NO	1.18	10.027					0.219	
4	1,2,3,6,7,8-HxCDD	1.25e3	1.25	NO	1.04	10.027	34.81	1.001	1.4593		0.235	1.46
5	1,2,3,7,8,9-HxCDD	3.32e2	1.31	NO	1.06	10.027	35.10	1.000	0.37937		0.216	0.379
6	1,2,3,4,6,7,8-HpCDD	2.85e4	1.03	NO	1.06	10.027	38.48	1.000	44.725		1.18	44.7
7	OCDD	2.56e5	0.90	NO	0.977	10.027	42.07	1.000	665.72		1.25	666
8	2,3,7,8-TCDF	3.48e2	1.04	YES	0.989	10.027	26.52	1.001	0.16840		0.0429	0.146
9	1,2,3,7,8-PeCDF	6.23e2	1.37	NO	1.02	10.027	30.10	1.000	0.41039		0.0783	0.410
10	2,3,4,7,8-PeCDF	1.46e3	1.55	NO	1.17	10.027	31.07	1.001	0.85470		0.0696	0.855
11	1,2,3,4,7,8-HxCDF	4.22e3	1.21	NO	1.14	10.027	33.68	1.000	3.1548		0.191	3.15
12	1,2,3,6,7,8-HxCDF	1.18e3	1.25	NO	1.04	10.027	33.83	1.001	0.84157		0.183	0.842
13	2,3,4,6,7,8-HxCDF	1.07e3	1.16	NO	1.13	10.027	34.58	1.001	0.79804		0.207	0.798
14	1,2,3,7,8,9-HxCDF	3.65e2	1.33	NO	1.07	10.027	35.68	1.001	0.32159		0.271	0.322
15	1,2,3,4,6,7,8-HpCDF	9.89e3	1.02	NO	1.11	10.027	37.24	1.000	9.8988		0.201	9.90
16	1,2,3,4,7,8,9-HpCDF	9.23e2	0.97	NO	1.32	10.027	39.24	1.001	1.1107		0.319	1.11
17	OCDF	1.32e4	0.86	NO	0.931	10.027	42.46	1.000	25.300		0.999	25.3
18	13C-2,3,7,8-TCDD	2.87e5	0.83	NO	1.20	10.027	27.09	1.024	258.59	130	0.324	
19	13C-1,2,3,7,8-PeCDD	1.96e5	0.62	NO	0.864	10.027	31.21	1.180	246.03	123	0.317	
20	13C-1,2,3,4,7,8-HxCDD	1.49e5	1.29	NO	0.600	10.027	34.65	1.014	239.45	120	0.592	
21	13C-1,2,3,6,7,8-HxCDD	1.64e5	1.27	NO	0.674	10.027	34.78	1.018	234.64	118	0.526	
22	13C-1,2,3,7,8,9-HxCDD	1.65e5	1.31	NO	0.679	10.027	35.09	1.027	234.24	117	0.523	
23	13C-1,2,3,4,6,7,8-HpCDD	1.20e5	1.10	NO	0.558	10.027	38.47	1.126	207.01	104	1.23	
24	13C-OCDD	1.57e5	0.92	NO	0.496	10.027	42.06	1.231	304.93	76.4	0.494	
25	13C-2,3,7,8-TCDF	4.17e5	0.78	NO	1.03	10.027	26.51	1.002	252.59	127	0.307	
26	13C-1,2,3,7,8-PeCDF	2.96e5	1.55	NO	0.805	10.027	30.10	1.138	228.34	114	0.561	
27	13C-2,3,4,7,8-PeCDF	2.91e5	1.56	NO	0.748	10.027	31.05	1.174	241.37	121	0.604	
28	13C-1,2,3,4,7,8-HxCDF	2.34e5	0.49	NO	0.968	10.027	33.68	0.986	233.40	117	0.648	
29	13C-1,2,3,6,7,8-HxCDF	2.69e5	0.51	NO	1.08	10.027	33.81	0.990	238.93	120	0.579	
30	13C-2,3,4,6,7,8-HxCDF	2.37e5	0.51	NO	0.960	10.027	34.54	1.011	238.27	119	0.654	

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-7.qld

Last Altered: Tuesday, April 06, 2021 2:00:02 PM Pacific Daylight Time
Printed: Tuesday, April 06, 2021 2:01:01 PM Pacific Daylight Time

Name: 210406D1_7, Date: 06-Apr-2021, Time: 12:57:29, ID: 2103216-01 USMPDI-058RAB-00-10-210317 11.15, Description: USMPDI-058RAB-00-10-210317, Task: ST210406D1-2

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	2.10e5	0.51	NO	0.869	10.027	35.65	1.044	233.60	117	0.722	
32	13C-1,2,3,4,6,7,8-HpCDF	1.79e5	0.41	NO	0.794	10.027	37.23	1.090	217.41	109	0.842	
33	13C-1,2,3,4,7,8,9-HpCDF	1.26e5	0.40	NO	0.586	10.027	39.20	1.148	207.47	104	1.14	
34	13C-OCDF	2.24e5	0.88	NO	0.711	10.027	42.45	1.243	303.53	76.1	0.334	
35	37Cl-2,3,7,8-TCDD	1.05e5			1.11	10.027	27.10	1.025	102.60	129	0.0842	
36	13C-1,2,3,4-TCDD	1.84e5	0.86	NO	1.00	10.027	26.45	1.000	199.46	100	0.390	
37	13C-1,2,3,4-TCDF	3.21e5	0.80	NO	1.00	10.027	25.23	1.000	199.46	100	0.315	
38	13C-1,2,3,4,6,9-HxCDF	2.07e5	0.50	NO	1.00	10.027	34.16	1.000	199.46	100	0.628	
39	Total Tetra-Dioxins				0.998	10.027			0.073385		0.0445	0.0734
40	Total Penta-Dioxins				0.961	10.027			0.00000		0.0368	0.476
41	Total Hexa-Dioxins				1.04	10.027			4.9833		0.234	8.02
42	Total Hepta-Dioxins				1.06	10.027			98.073		1.18	98.1
43	Total Tetra-Furans				0.989	10.027			0.63641		0.0429	1.41
44	1st Func. Penta-Furans				1.02	10.027			2.2978		0.0333	2.30
45	Total Penta-Furans				1.02	10.027			1.9861		0.0791	3.79
46	Total Hexa-Furans				1.13	10.027			22.759		0.204	23.0
47	Total Hepta-Furans				1.11	10.027			40.586		0.273	40.6

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-7.qld

Last Altered: Tuesday, April 06, 2021 2:00:02 PM Pacific Daylight Time
Printed: Tuesday, April 06, 2021 2:01:01 PM Pacific Daylight Time

Method: Untitled 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210406D1_7, Date: 06-Apr-2021, Time: 12:57:29, ID: 2103216-01 USMPDI-058RAB-00-10-210317 11.15, Description: USMPDI-058RAB-00-10-210317, Task: ST210406D1-2

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Tetra-Dioxins	24.02	6.880e2	5.730e2	4.267e1	6.258e1	0.68	NO	1.052e2	0.073385	0.073385	0.0445

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Penta-Dioxins	29.20	8.890e2	1.635e3	5.235e1	1.024e2	0.51	YES	0.000e0	0.00000	0.14343	0.0901
2	Total Penta-Dioxins	30.28	1.308e3	1.233e3	8.768e1	9.816e1	0.89	YES	0.000e0	0.00000	0.16943	0.0901
3	Total Penta-Dioxins	30.55	5.240e2	9.740e2	3.091e1	6.072e1	0.51	YES	0.000e0	0.00000	0.084693	0.0901
4	1,2,3,7,8-PeCDD	31.23	7.630e2	8.990e2	3.859e1	4.528e1	0.85	YES	8.386e1	0.00000	0.078156	0.0901

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hexa-Dioxins	32.88	2.180e4	1.777e4	1.271e3	1.054e3	1.21	NO	2.325e3	2.8012	2.8012	0.234
2	Total Hexa-Dioxins	33.52	2.956e3	2.313e3	1.630e2	1.221e2	1.34	NO	2.851e2	0.34345	0.34345	0.234
3	Total Hexa-Dioxins	33.82	2.049e4	1.582e4	1.725e3	1.124e3	1.53	YES	0.000e0	0.00000	3.0335	0.234
4	1,2,3,6,7,8-HxCDD	34.81	9.568e3	7.574e3	6.920e2	5.555e2	1.25	NO	1.248e3	1.4593	1.4593	0.235
5	1,2,3,7,8,9-HxCDD	35.10	3.083e3	2.529e3	1.880e2	1.440e2	1.31	NO	3.319e2	0.37937	0.37937	0.216

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hepta-Dioxins	37.53	2.311e5	2.310e5	1.731e4	1.663e4	1.04	NO	3.394e4	53.348	53.348	1.18
2	1,2,3,4,6,7,8-HpCDD	38.48	1.722e5	1.620e5	1.441e4	1.404e4	1.03	NO	2.846e4	44.725	44.725	1.18

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-7.qld

Last Altered: Tuesday, April 06, 2021 2:00:02 PM Pacific Daylight Time
Printed: Tuesday, April 06, 2021 2:01:01 PM Pacific Daylight Time

Name: 210406D1_7, Date: 06-Apr-2021, Time: 12:57:29, ID: 2103216-01 USMPDI-058RAB-00-10-210317 11.15, Description: USMPDI-058RAB-00-10-210317, Task: ST210406D1-2

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Tetra-Furans	22.70	1.974e3	2.525e3	1.133e2	1.757e2	0.64	YES	0.000e0	0.00000	0.12582	0.0429
2	Total Tetra-Furans	23.36	2.998e3	4.897e3	2.467e2	3.276e2	0.75	NO	5.743e2	0.27755	0.27755	0.0429
3	Total Tetra-Furans	24.06	1.604e3	1.743e3	1.057e2	1.254e2	0.84	NO	2.311e2	0.11168	0.11168	0.0429
4	Total Tetra-Furans	24.44	1.704e3	3.139e3	1.045e2	1.980e2	0.53	YES	0.000e0	0.00000	0.11608	0.0429
5	Total Tetra-Furans	24.69	8.170e2	8.530e2	4.583e1	4.182e1	1.10	YES	0.000e0	0.00000	0.035770	0.0429
6	Total Tetra-Furans	25.03	5.590e2	1.154e3	6.116e1	9.788e1	0.62	YES	0.000e0	0.00000	0.067942	0.0429
7	Total Tetra-Furans	25.32	2.611e3	3.702e3	2.131e2	2.983e2	0.71	NO	5.115e2	0.24717	0.24717	0.0429
8	Total Tetra-Furans	25.67	1.743e3	1.739e3	8.928e1	7.605e1	1.17	YES	0.000e0	0.00000	0.065053	0.0429
9	Total Tetra-Furans	26.43	1.463e3	1.323e3	7.335e1	7.806e1	0.94	YES	0.000e0	0.00000	0.066767	0.0429
10	2,3,7,8-TCDF	26.52	3.547e3	3.410e3	1.774e2	1.710e2	1.04	YES	3.485e2	0.00000	0.14628	0.0429
11	Total Tetra-Furans	26.78	1.479e3	2.134e3	8.684e1	9.084e1	0.96	YES	0.000e0	0.00000	0.077706	0.0429
12	Total Tetra-Furans	27.79	2.147e3	1.837e3	8.860e1	8.816e1	1.00	YES	0.000e0	0.00000	0.075414	0.0429

Penta-Furans function 1

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	1st Func. Penta-Furans	27.78	3.841e4	2.460e4	2.082e3	1.373e3	1.52	NO	3.455e3	2.2978	2.2978	0.0333

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Penta-Furans	29.08	2.397e3	1.773e3	1.628e2	1.267e2	1.29	YES	0.000e0	0.00000	0.17816	0.0791
2	Total Penta-Furans	29.22	3.321e4	1.701e4	1.751e3	9.611e2	1.82	YES	0.000e0	0.00000	1.6300	0.0791
3	Total Penta-Furans	29.78	5.681e3	2.508e3	3.689e2	2.200e2	1.68	NO	5.889e2	0.39169	0.39169	0.0791
4	1,2,3,7,8-PeCDF	30.10	5.945e3	4.981e3	3.597e2	2.629e2	1.37	NO	6.226e2	0.41039	0.41039	0.0783
5	Total Penta-Furans	30.33	5.675e3	3.029e3	3.074e2	1.878e2	1.64	NO	4.952e2	0.32935	0.32935	0.0791
6	2,3,4,7,8-PeCDF	31.07	1.722e4	9.086e3	8.886e2	5.739e2	1.55	NO	1.462e3	0.85470	0.85470	0.0696

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-7.qld

Last Altered: Tuesday, April 06, 2021 2:00:02 PM Pacific Daylight Time
Printed: Tuesday, April 06, 2021 2:01:01 PM Pacific Daylight Time

Name: 210406D1_7, Date: 06-Apr-2021, Time: 12:57:29, ID: 2103216-01 USMPDI-058RAB-00-10-210317 11.15, Description: USMPDI-058RAB-00-10-210317, Task: ST210406D1-2

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hexa-Furans	32.33	1.986e4	1.751e4	1.074e3	8.553e2	1.26	NO	1.930e3	1.4362	1.4362	0.204
2	Total Hexa-Furans	32.50	6.924e4	5.288e4	3.837e3	3.137e3	1.22	NO	6.974e3	5.1901	5.1901	0.204
3	Total Hexa-Furans	33.17	1.439e5	1.177e5	8.039e3	6.442e3	1.25	NO	1.448e4	10.777	10.777	0.204
4	Total Hexa-Furans	33.53	3.066e3	2.465e3	1.653e2	1.562e2	1.06	NO	3.215e2	0.23925	0.23925	0.204
5	1,2,3,4,7,8-HxCDF	33.68	3.614e4	2.921e4	2.306e3	1.910e3	1.21	NO	4.216e3	3.1548	3.1548	0.191
6	1,2,3,6,7,8-HxCDF	33.83	1.152e4	7.599e3	6.550e2	5.258e2	1.25	NO	1.181e3	0.84157	0.84157	0.183
7	2,3,4,6,7,8-HxCDF	34.58	6.886e3	6.229e3	5.746e2	4.955e2	1.16	NO	1.070e3	0.79804	0.79804	0.207
8	1,2,3,7,8,9-HxCDF	35.68	5.011e3	4.012e3	2.082e2	1.564e2	1.33	NO	3.646e2	0.32159	0.32159	0.271
9	Total Hexa-Furans	35.71	7.073e3	3.322e3	2.163e2	1.273e2	1.70	YES	0.000e0	0.00000	0.21220	0.204

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	37.24	6.652e4	6.525e4	5.003e3	4.891e3	1.02	NO	9.894e3	9.8988	9.8988	0.201
2	Total Hepta-Furans	37.83	1.735e5	1.753e5	1.259e4	1.260e4	1.00	NO	2.519e4	29.577	29.577	0.273
3	1,2,3,4,7,8,9-HpCDF	39.24	5.421e3	5.998e3	4.549e2	4.678e2	0.97	NO	9.228e2	1.1107	1.1107	0.319

Dataset: Untitled

Last Altered: Tuesday, April 06, 2021 13:45:50 Pacific Daylight Time
Printed: Tuesday, April 06, 2021 13:46:00 Pacific Daylight Time

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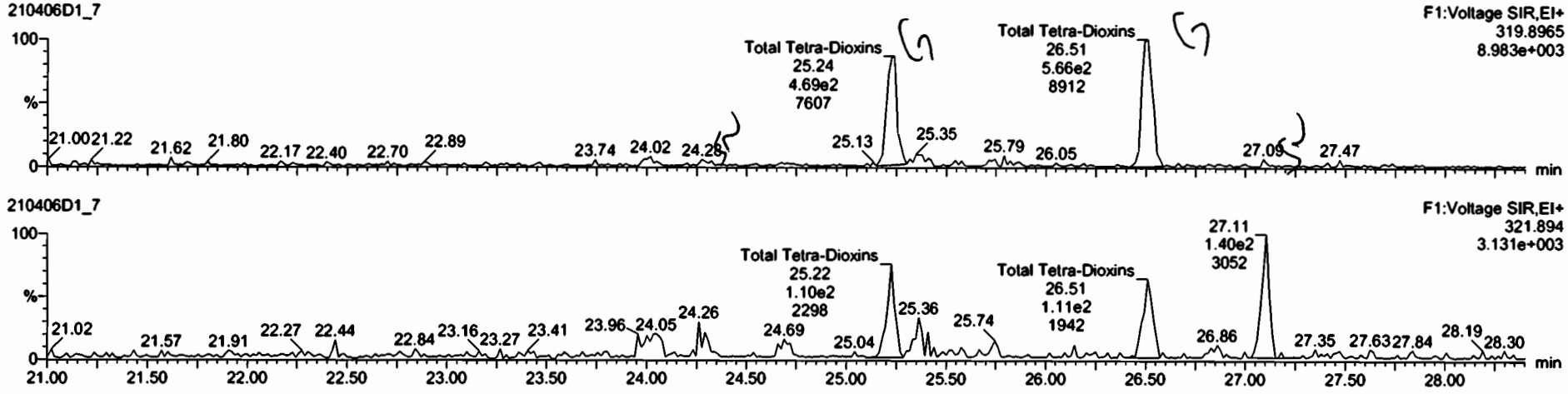
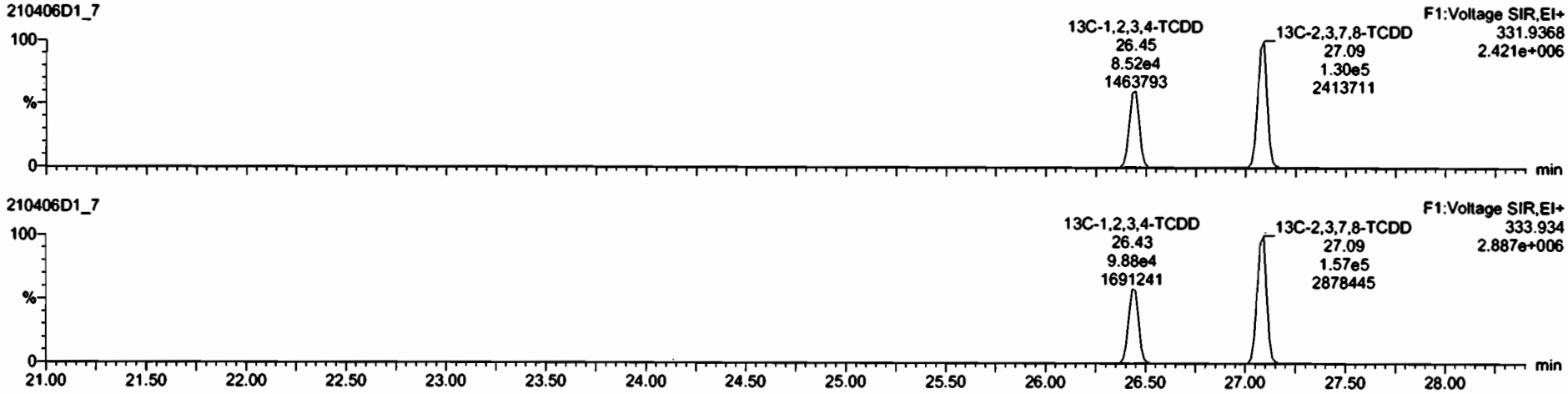
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210406D1_7, Date: 06-Apr-2021, Time: 12:57:29, ID: 2103216-01 USMPDI-058RAB-00-10-210317 11.15, Description: USMPDI-058RAB-00-10-210317

2,3,7,8-TCDD



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



Targetlynx - 21040601_7.qld * [Chromatogram]

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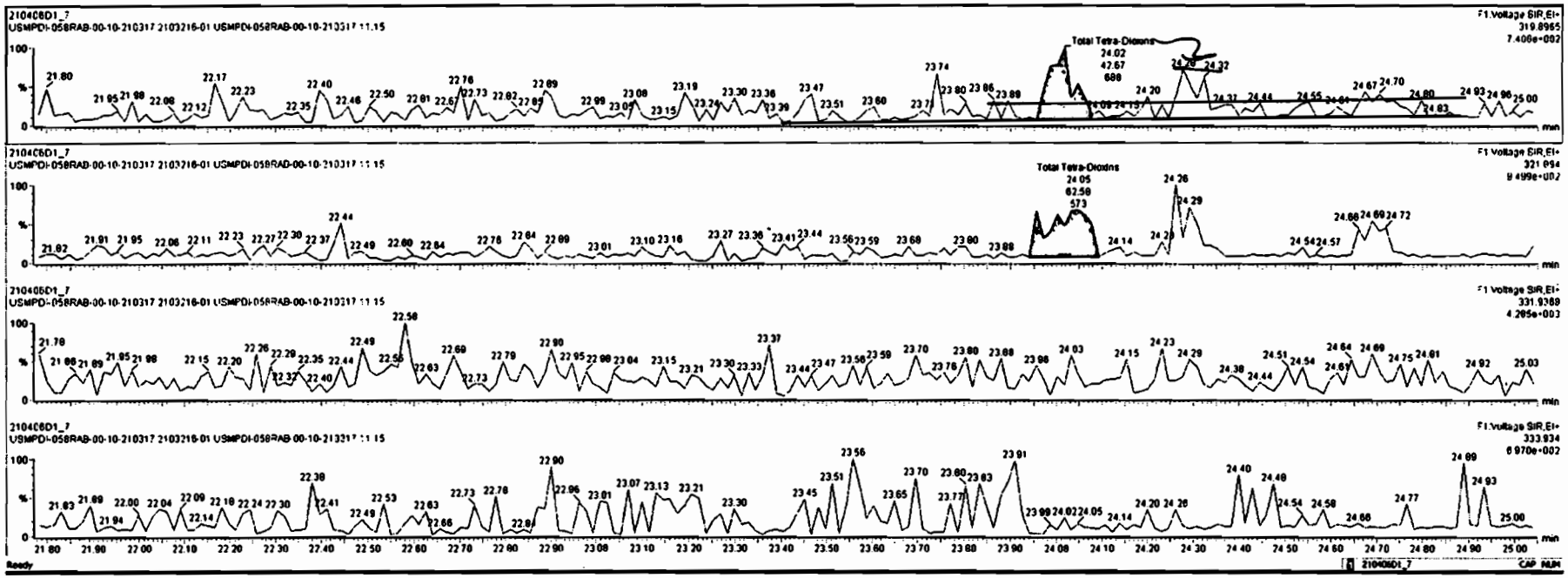
210406D1_7 - 2103216-01 USMPDI-058RAB-00-10-210317 11:15 - USMPDI-058RAB-00-10-210317

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
26	13C-1,2,3,7,8-PeCDF	2.96e5	1.55	NO	0.81	10.027	30.10	1.138	226	114	0.561	
27	13C-2,3,4,7,8-PeCDF	2.91e5	1.56	NO	0.75	10.027	31.05	1.174	241	121	0.604	
28	13C-1,2,3,4,7,8-HxCDF	2.34e5	0.49	NO	0.97	10.027	33.88	0.986	233	117	0.648	
29	13C-1,2,3,6,7,8-HxCDF	2.88e5	0.51	NO	1.08	10.027	33.81	0.990	239	120	0.579	
30	13C-2,3,4,6,7,8-HxCDF	2.37e5	0.51	NO	0.96	10.027	34.54	1.011	238	119	0.654	

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Tetra-Dioxins	24.02	4.267e1	6.258e1	0.68	NO	0.073385	0.073385
2	Total Tetra-Dioxins	25.24	4.895e2	1.087e2	4.28	YES	0.13539	0.00000
3	Total Tetra-Dioxins	26.51	5.655e2	1.111e2	5.09	YES	0.13707	0.00000



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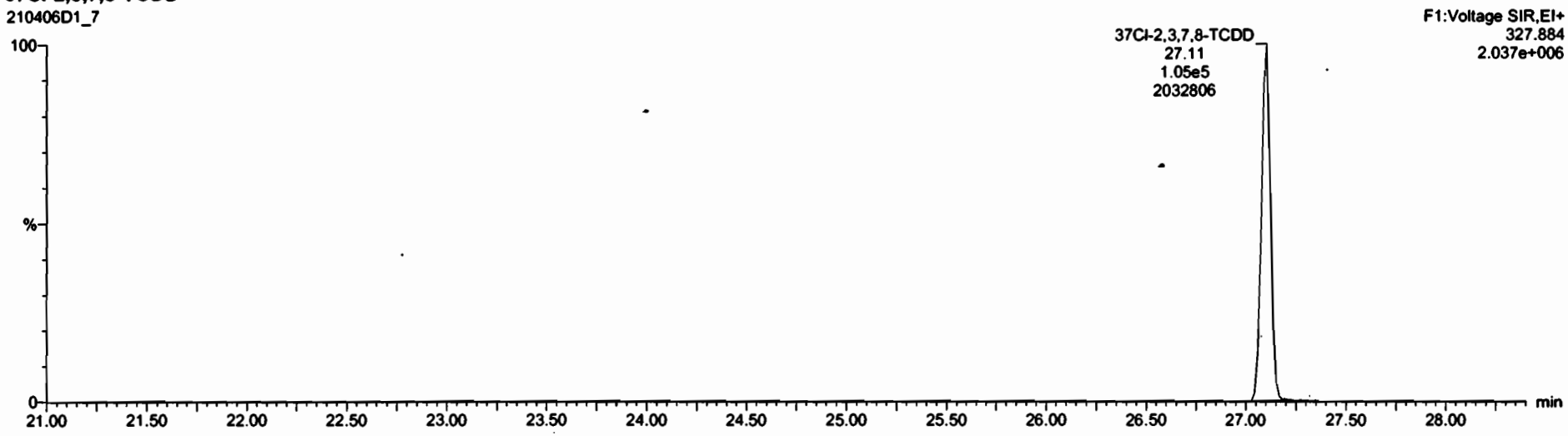
Last Altered: Tuesday, April 06, 2021 13:45:50 Pacific Daylight Time
Printed: Tuesday, April 06, 2021 13:46:00 Pacific Daylight Time

Name: 210406D1_7, Date: 06-Apr-2021, Time: 12:57:29, ID: 2103216-01 USMPDI-058RAB-00-10-210317 11.15, Description: USMPDI-058RAB-00-10-210317

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



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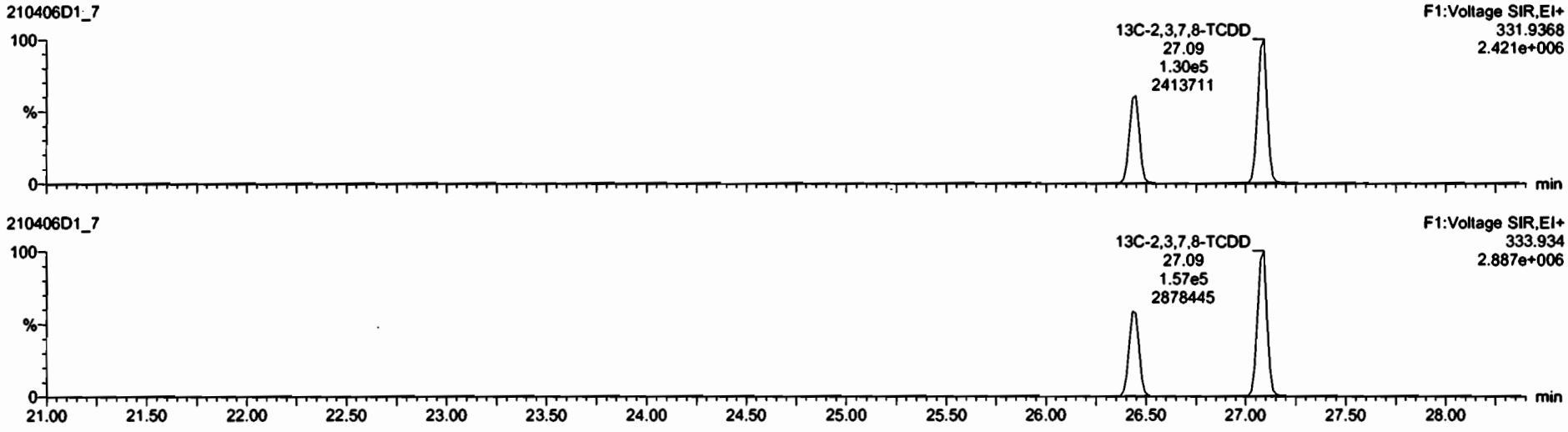

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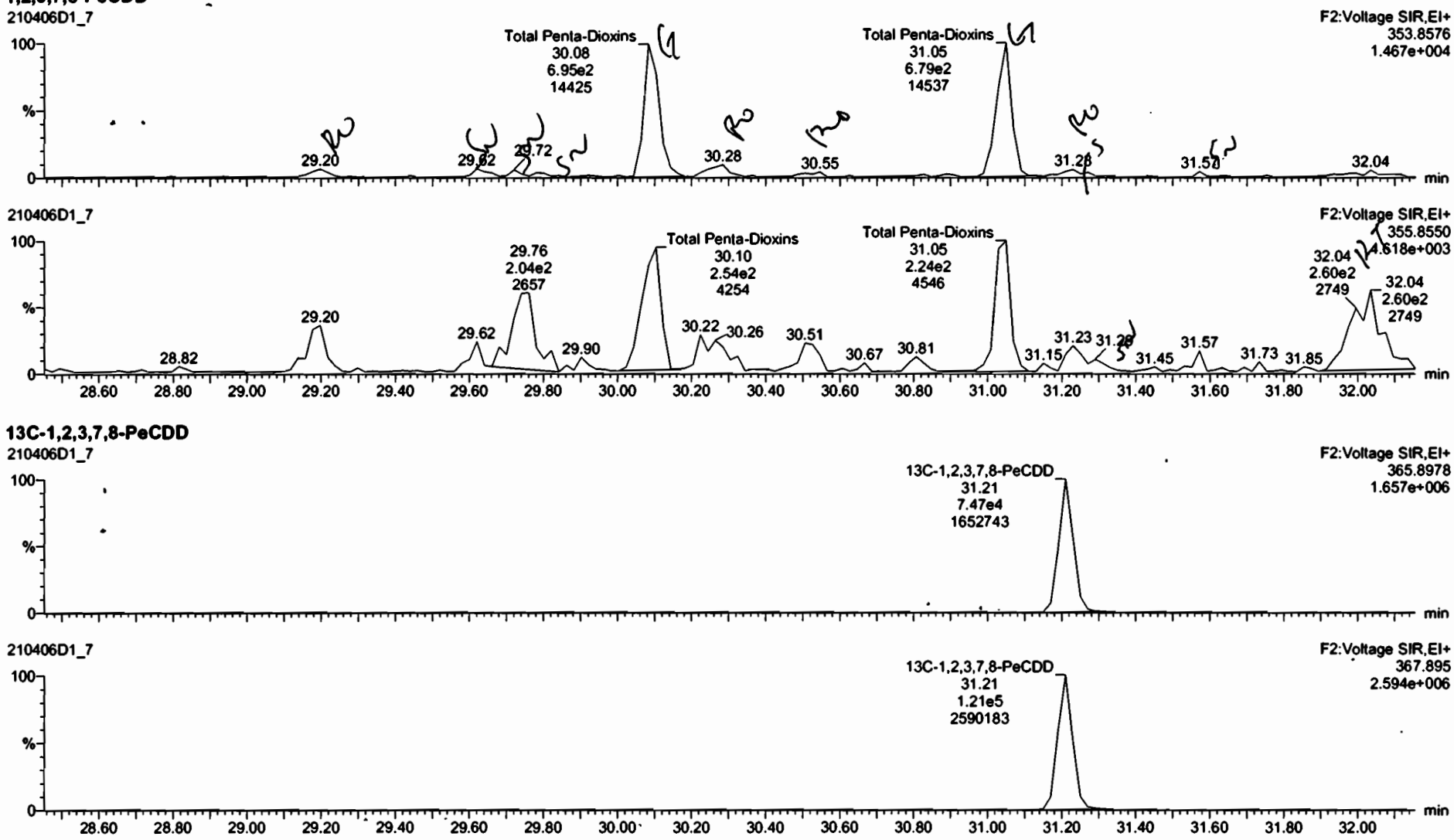
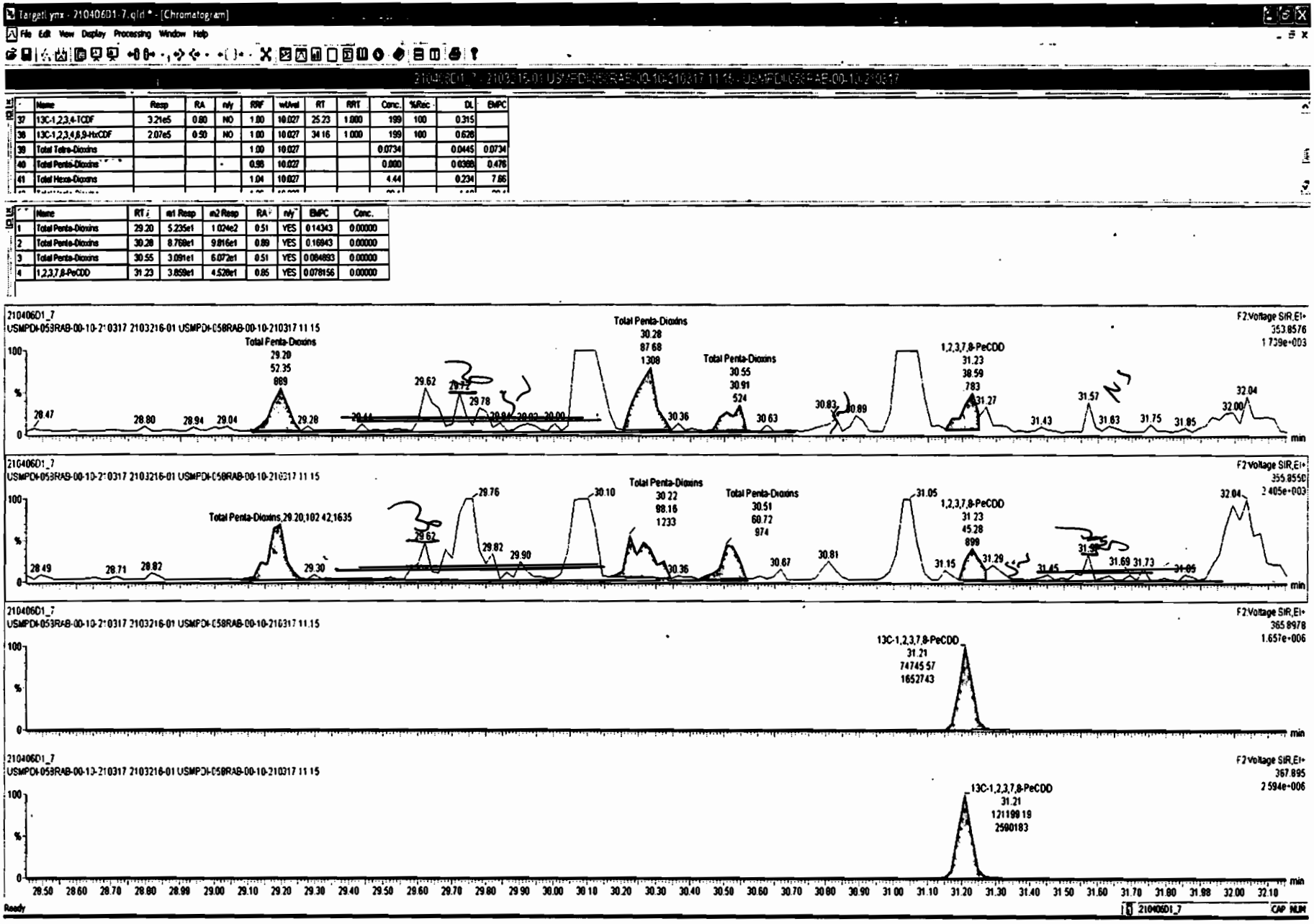
Last Altered: Tuesday, April 06, 2021 13:45:50 Pacific Daylight Time
Printed: Tuesday, April 06, 2021 13:46:00 Pacific Daylight Time

Name: 210406D1_7, Date: 06-Apr-2021, Time: 12:57:29, ID: 2103216-01 USMPDI-058RAB-00-10-210317 11.15, Description: USMPDI-058RAB-00-10-210317

1,2,3,7,8-PeCDD



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


TargetLynx - 210406D1-7.qld * - [Chromatogram]
File Edit View Display Processing Window Help
Name Resp RA nIy RRF wtAval RT RRT Conc. %Rec DL EMPC
37 13C-1,2,3,4-TCDF 3.21e5 0.80 NO 1.00 10.027 25.23 1.000 199 100 0.315
38 13C-1,2,3,4,8,9-HxCDF 2.07e5 0.50 NO 1.00 10.027 34.16 1.000 199 100 0.626
39 Total Tetra-Dioxins 1.00 10.027 0.0734 0.0445 0.0734
40 Total Penta-Dioxins 0.98 10.027 0.000 0.0366 0.476
41 Total Hexa-Dioxins 1.04 10.027 4.44 0.234 7.66
Name RT Area1 Resp Area2 Resp RA nIy EMPC Conc.
1 Total Penta-Dioxins 29.20 5.235e1 1.024e2 0.51 YES 0.14343 0.00000
2 Total Penta-Dioxins 30.28 8.768e1 9.816e1 0.89 YES 0.16943 0.00000
3 Total Penta-Dioxins 30.55 3.091e1 6.072e1 0.51 YES 0.084893 0.00000
4 1,2,3,7,8-PeCDD 31.23 3.859e1 4.528e1 0.85 YES 0.078156 0.00000
210406D1_7
USMPDI-053RAB-00-10-210317 2103216-01 USMPDI-058RAB-00-10-210317 11 15
Total Penta-Dioxins 29.20 52.35 889
Total Penta-Dioxins 30.28 87.68 1308
Total Penta-Dioxins 30.55 30.91 524
1,2,3,7,8-PeCDD 31.23 38.59 783
F2:Voltage SIR,EI+ 353.8576 1.739e+003
Total Penta-Dioxins,29.20,102.42,1635
Total Penta-Dioxins 30.22 98.16 1233
Total Penta-Dioxins 30.51 60.72 974
1,2,3,7,8-PeCDD 31.23 45.28 899
F2:Voltage SIR,EI+ 355.8550 2.405e+003
13C-1,2,3,7,8-PeCDD 31.21 74745.57 1652743
F2:Voltage SIR,EI+ 365.8978 1.657e+006
13C-1,2,3,7,8-PeCDD 31.21 1211991.9 2590183
F2:Voltage SIR,EI+ 367.895 2.594e+006
min
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210406D1_7
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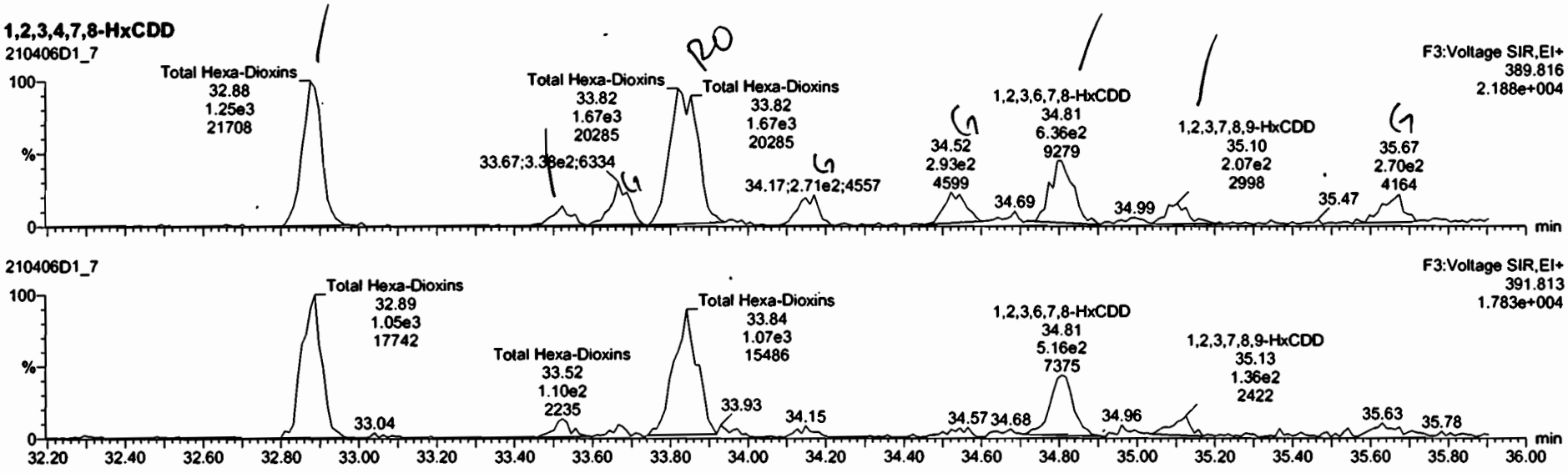
Dataset: Untitled

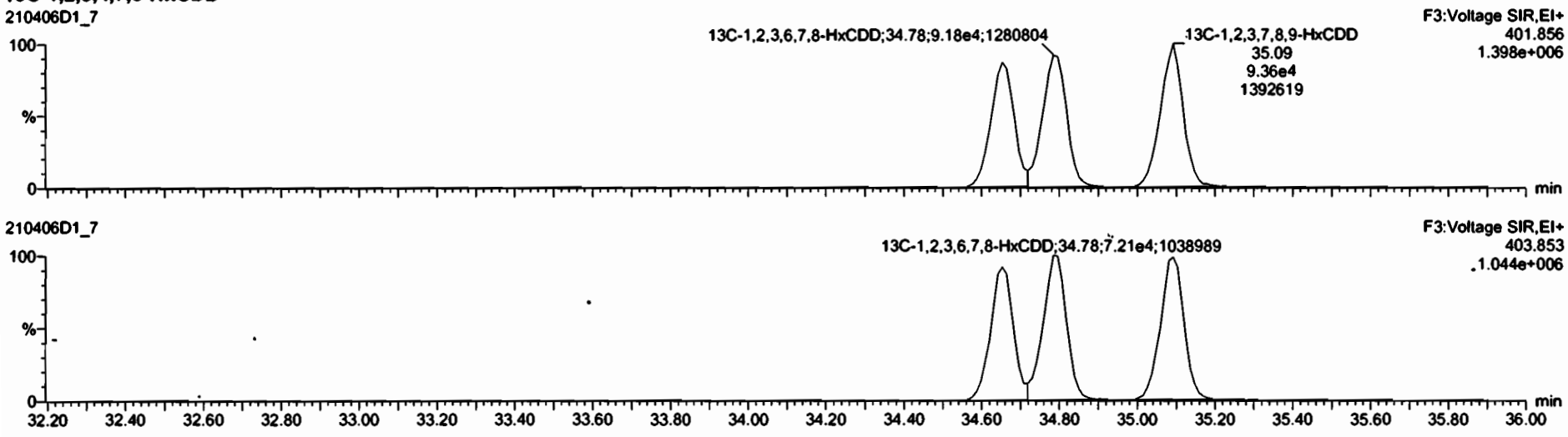
Last Altered: Tuesday, April 06, 2021 13:45:50 Pacific Daylight Time
Printed: Tuesday, April 06, 2021 13:46:00 Pacific Daylight Time

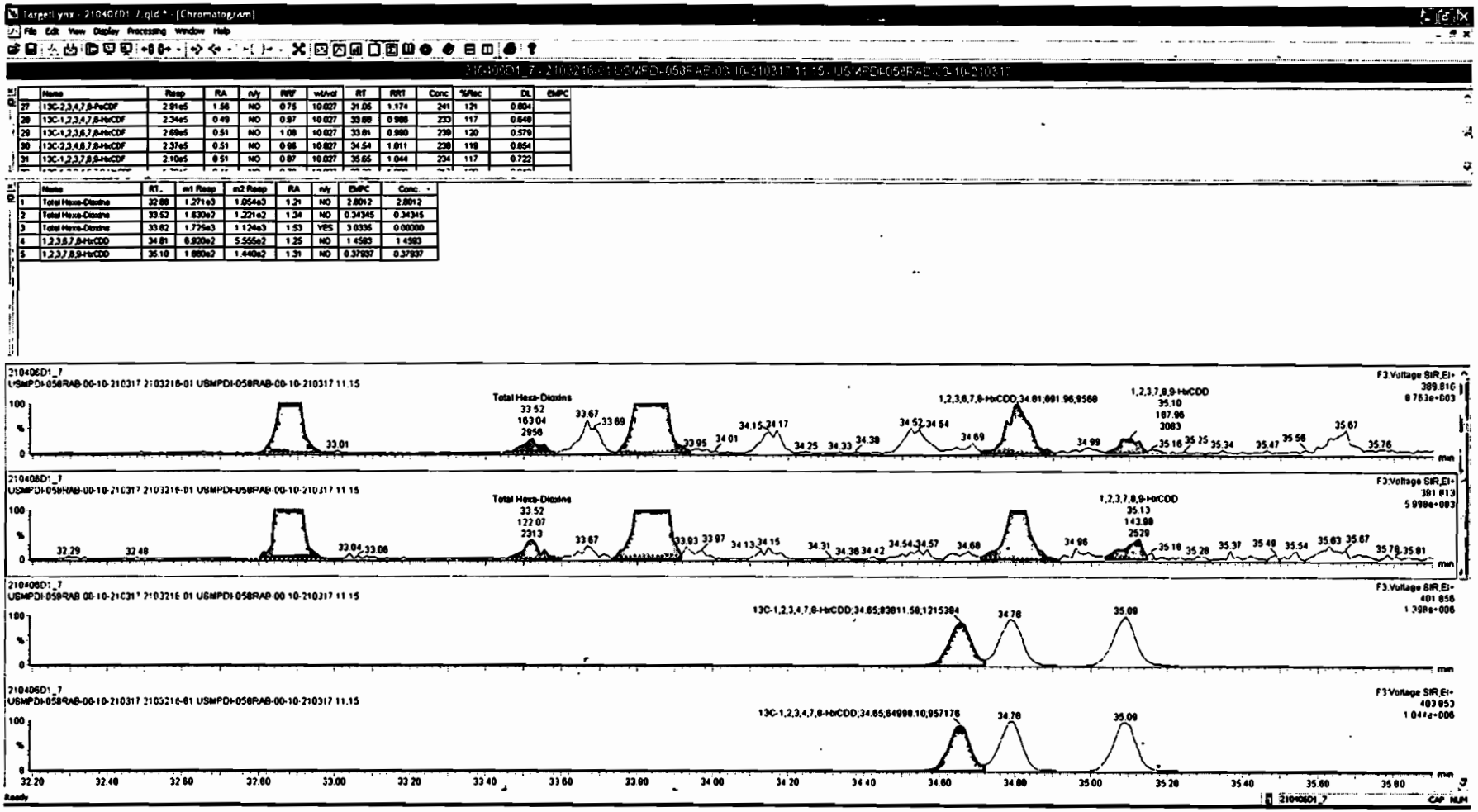
Name: 210406D1_7, Date: 06-Apr-2021, Time: 12:57:29, ID: 2103216-01 USMPDI-058RAB-00-10-210317 11.15, Description: USMPDI-058RAB-00-10-210317

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



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





	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
27	13C-2,3,4,7,8-PeCDF	2.91e5	1.58	NO	0.75	10.027	31.05	1.174	241	121	0.804	
28	13C-1,2,3,4,7,8-HxCDF	2.34e5	0.49	NO	0.97	10.027	33.88	0.986	233	117	0.648	
29	13C-1,2,3,6,7,8-HxCDF	2.69e5	0.51	NO	1.08	10.027	33.81	0.980	259	130	0.579	
30	13C-2,3,4,6,7,8-HxCDF	2.37e5	0.51	NO	0.96	10.027	34.54	1.011	238	119	0.654	
31	13C-1,2,3,7,8,9-HxCDF	2.10e5	0.51	NO	0.87	10.027	35.65	1.044	234	117	0.722	

	Name	Rt.	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Hexa-Dioxins	32.88	1.271e3	1.054e3	1.21	NO	2.8012	2.8012
2	Total Hexa-Dioxins	33.52	1.630e2	1.221e2	1.34	NO	0.34345	0.34345
3	Total Hexa-Dioxins	33.82	1.725e3	1.124e3	1.53	YES	3.0336	0.00000
4	1,2,3,6,7,8-HxCDD	34.81	6.920e2	5.565e2	1.25	NO	1.4583	1.4583
5	1,2,3,7,8,9-HxCDD	35.10	1.660e2	1.440e2	1.31	NO	0.37937	0.37937

Dataset: Untitled

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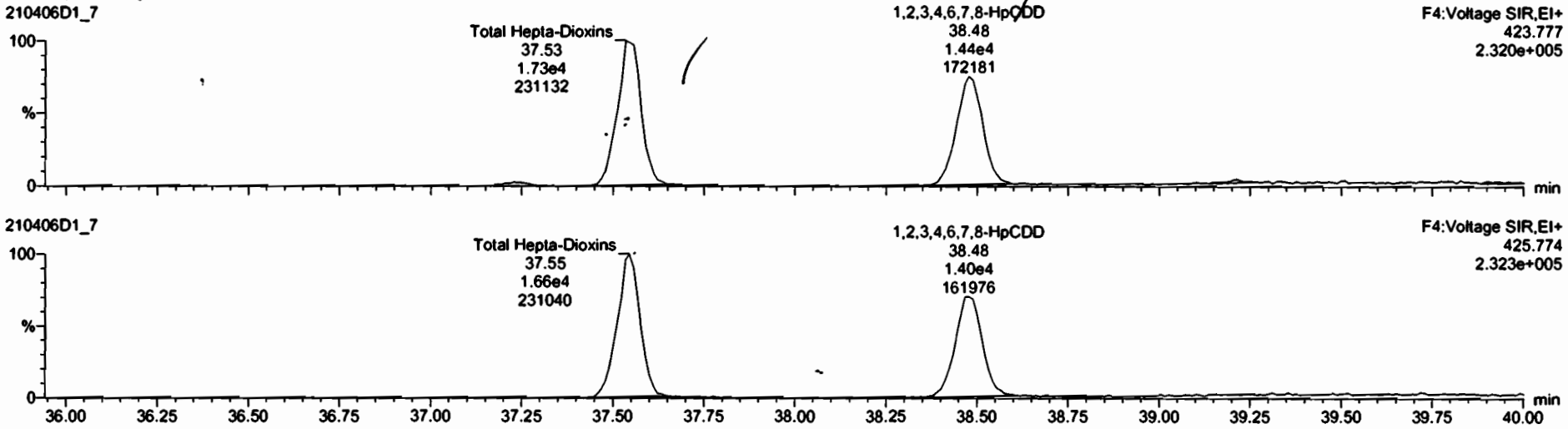
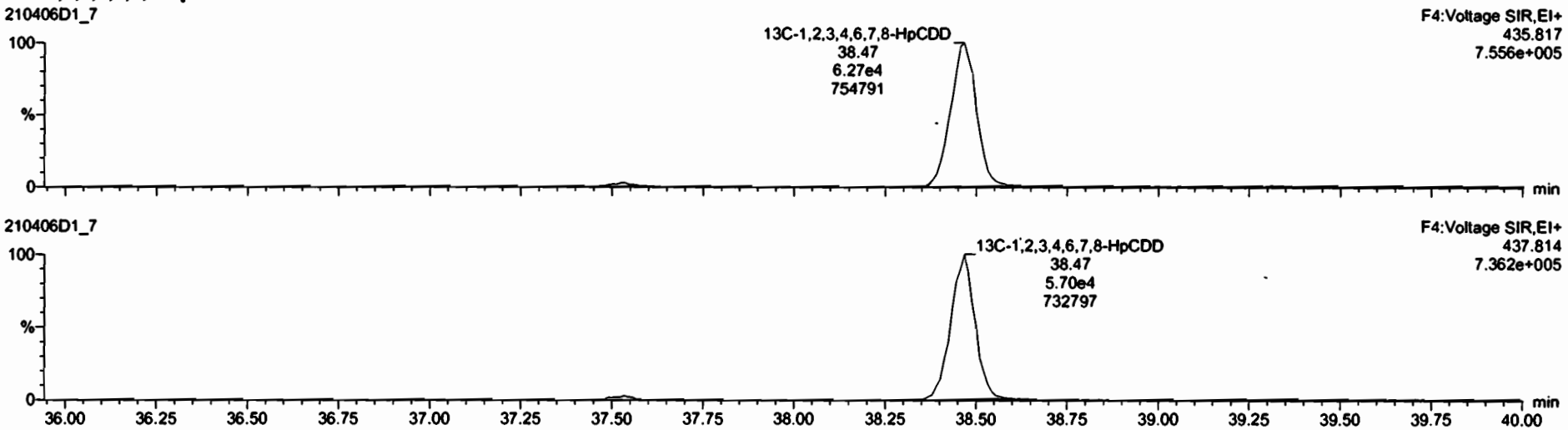
Name: 210406D1_7, Date: 06-Apr-2021, Time: 12:57:29, ID: 2103216-01 USMPDI-058RAB-00-10-210317 11.15, Description: USMPDI-058RAB-00-10-210317

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



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



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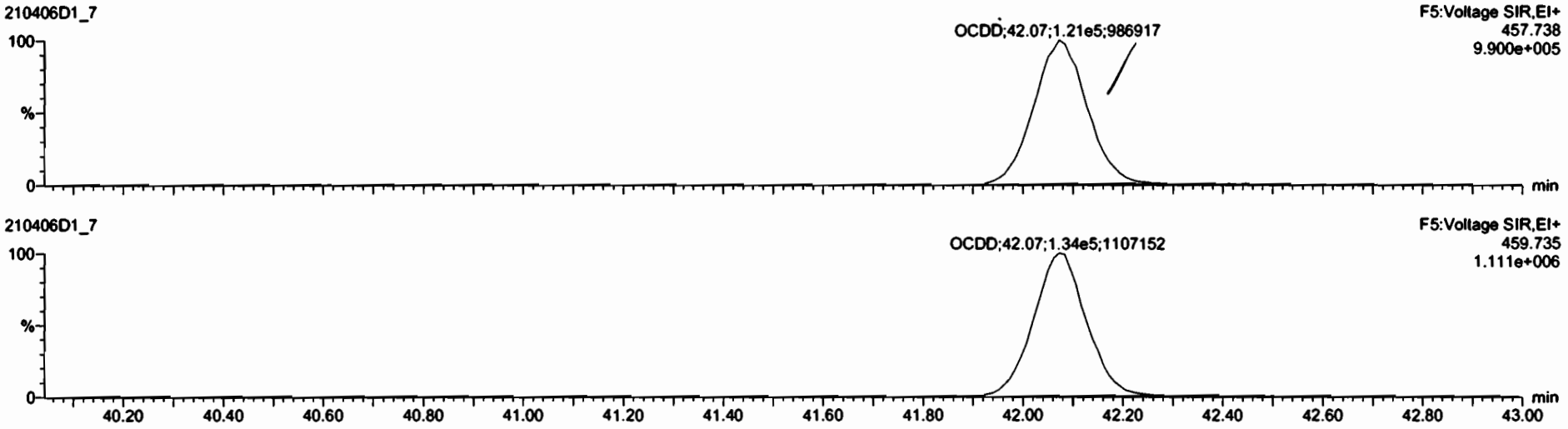
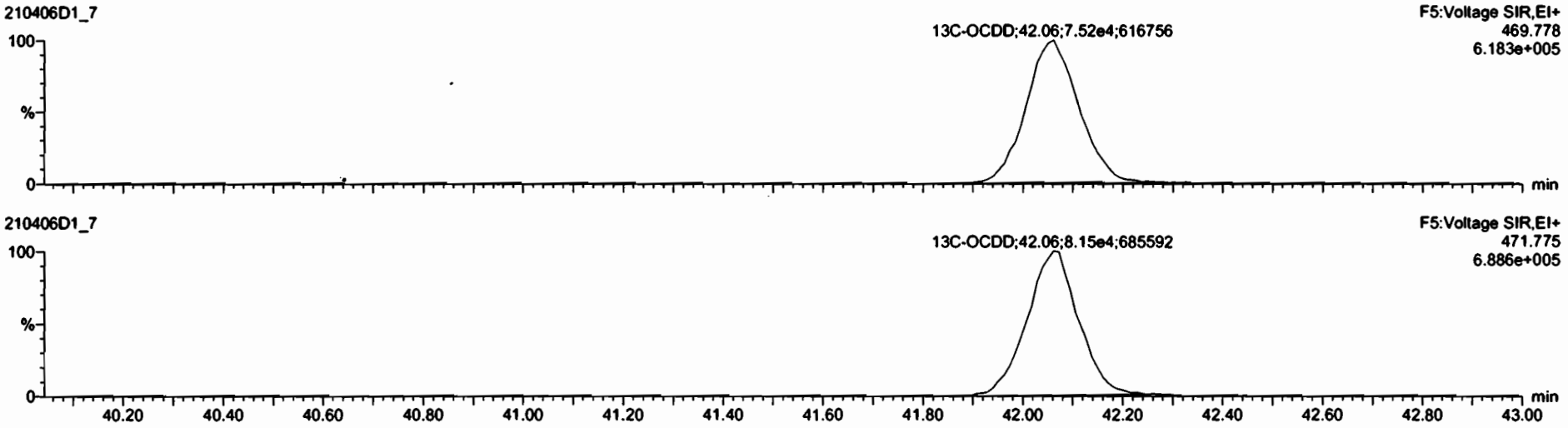
OCDD



13C-OCDD



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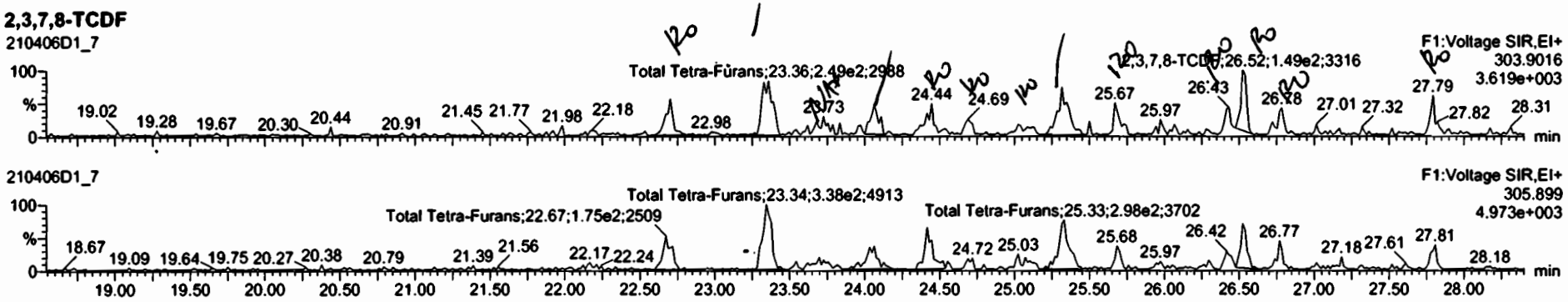
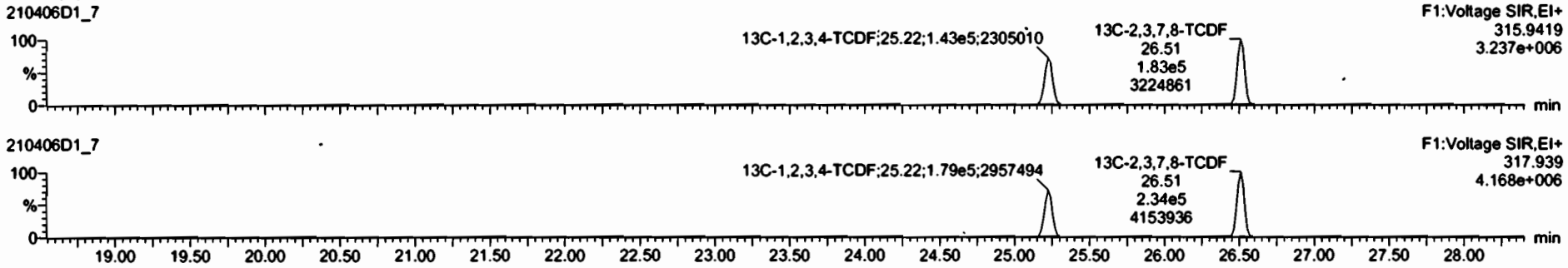
Name: 210406D1_7, Date: 06-Apr-2021, Time: 12:57:29, ID: 2103216-01 USMPDI-058RAB-00-10-210317 11.15, Description: USMPDI-058RAB-00-10-210317

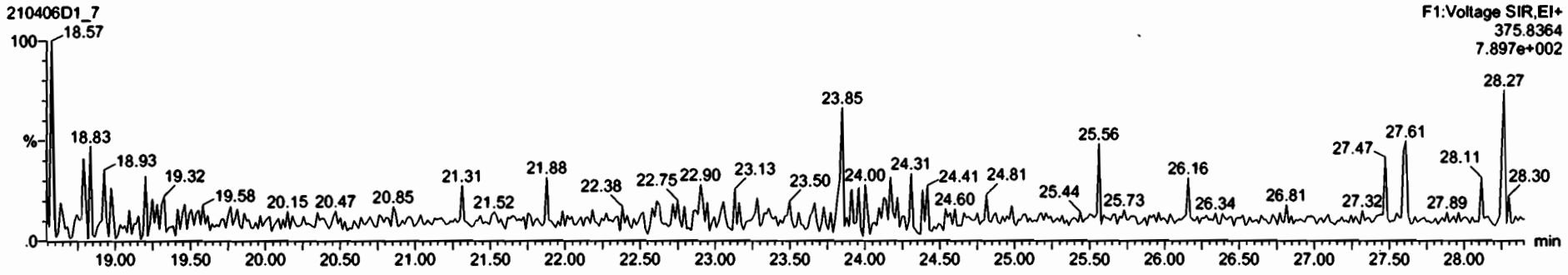
2,3,7,8-TCDF



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



DPE1



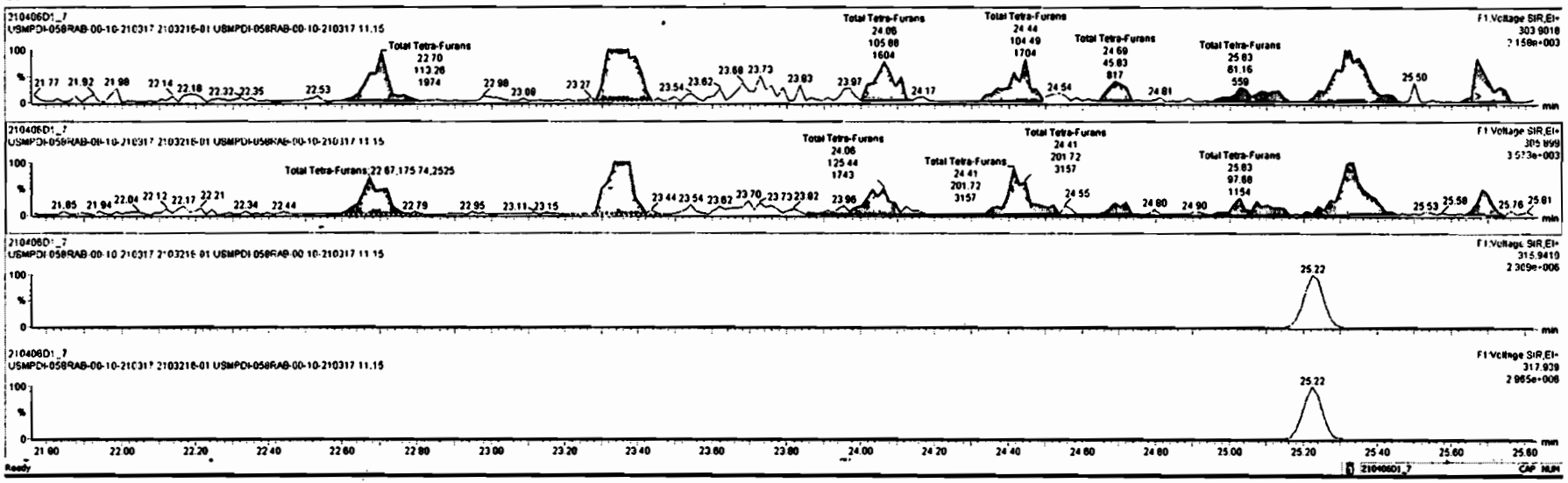
Target(Lynx - 210406D1-7.qld * - [Chromatogram]

File Edit View Display Processing Window Help

210406D1_7 - 2103216-01 USMPDI-058RAB-00-10-210317 11.15 - USMPDI-058RAB-00-10-210317

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
43	Total Tetra-Furans				0.99	10.027			0.636		0.0428	1.41
44	1st Func. Penta-Furans				1.02	10.027			2.30		0.0333	2.30
45	Total Penta-Furans				1.02	10.027			1.74		0.0791	3.75
46	Total Hexa-Furans				1.13	10.027			22.3		0.204	22.7
47	Total Hepta-Furans				1.11	10.027			39.1		0.273	39.6

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Tetra-Furans	22.70	1.133e2	1.757e2	0.64	YES	0.12582	0.00000
2	Total Tetra-Furans	23.36	2.467e2	3.276e2	0.75	NO	0.27755	0.27755
3	Total Tetra-Furans	24.06	1.057e2	1.254e2	0.84	NO	0.11168	0.11168
4	Total Tetra-Furans	24.44	1.045e2	2.017e2	0.52	YES	0.11608	0.00000
5	Total Tetra-Furans	24.69	4.583e1	4.162e1	1.10	YES	0.035770	0.00000
6	Total Tetra-Furans	25.03	6.116e1	9.768e1	0.62	YES	0.067942	0.00000
7	Total Tetra-Furans	25.32	2.131e2	2.983e2	0.71	NO	0.24717	0.24717
8	Total Tetra-Furans	25.67	8.928e1	7.605e1	1.17	YES	0.085053	0.00000
9	Total Tetra-Furans	26.43	7.335e1	7.806e1	0.94	YES	0.086767	0.00000
10	2,3,7,8-TCDF	26.52	1.774e2	1.710e2	1.04	YES	0.14828	0.00000
11	Total Tetra-Furans	26.78	8.884e1	9.084e1	0.98	YES	0.077706	0.00000
12	Total Tetra-Furans	27.79	8.860e1	8.816e1	1.00	YES	0.075414	0.00000



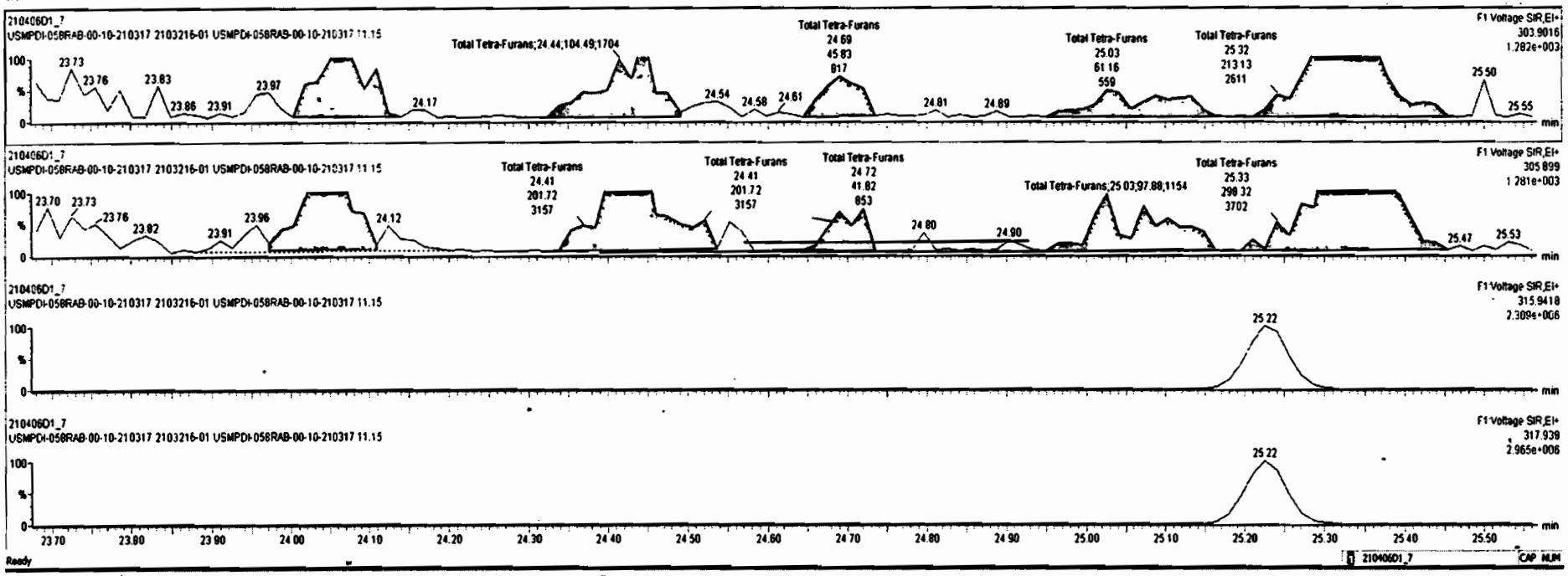
TargetLynx - 210406D1_7.qld * - [Chromatogram]

File Edit View Display Processing Window Help

210406D1_7 - 2103216-01 USMPDI-058RAB-00-10-210317 11.15 - USMPDI-058RAB-00-10-210317

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
43	Total Tetra-Furans				0.89	10.027			0.836		0.0429	1.41
44	1st Func. Penta-Furans				1.02	10.027			2.30		0.0333	2.30
45	Total Penta-Furans				1.02	10.027			1.74		0.0791	3.75
46	Total Hexa-Furans				1.13	10.027			22.3		0.204	22.7
47	Total Hepta-Furans				1.11	10.027			39.1		0.273	39.6

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Tetra-Furans	22.70	1.133e2	1.757e2	0.64	YES	0.12582	0.00000
2	Total Tetra-Furans	23.36	2.467e2	3.276e2	0.75	NO	0.27755	0.27755
3	Total Tetra-Furans	24.06	1.057e2	1.254e2	0.84	NO	0.11168	0.11168
4	Total Tetra-Furans	24.44	1.045e2	2.017e2	0.52	YES	0.11608	0.00000
5	Total Tetra-Furans	24.89	4.583e1	4.162e1	1.10	YES	0.035770	0.00000
6	Total Tetra-Furans	25.03	6.116e1	9.788e1	0.62	YES	0.057942	0.00000
7	Total Tetra-Furans	25.32	2.131e2	2.983e2	0.71	NO	0.24717	0.24717
8	Total Tetra-Furans	25.67	9.928e1	7.605e1	1.17	YES	0.095053	0.00000
9	Total Tetra-Furans	26.43	7.335e1	7.808e1	0.94	YES	0.086767	0.00000
10	2,3,7,8-TCDF	26.52	1.774e2	1.710e2	1.04	YES	0.14628	0.00000
11	Total Tetra-Furans	26.78	8.684e1	9.064e1	0.96	YES	0.077706	0.00000
12	Total Tetra-Furans	27.79	8.860e1	8.816e1	1.00	YES	0.075414	0.00000



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210406D1_7

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Dataset: Untitled

Last Altered: Tuesday, April 06, 2021 13:45:50 Pacific Daylight Time
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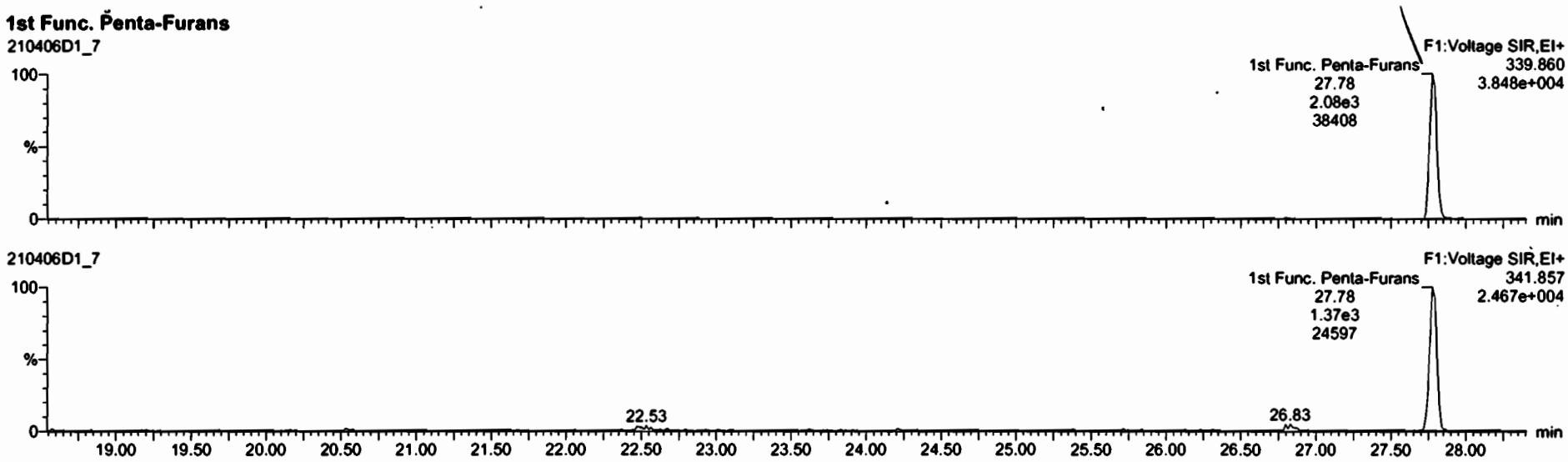
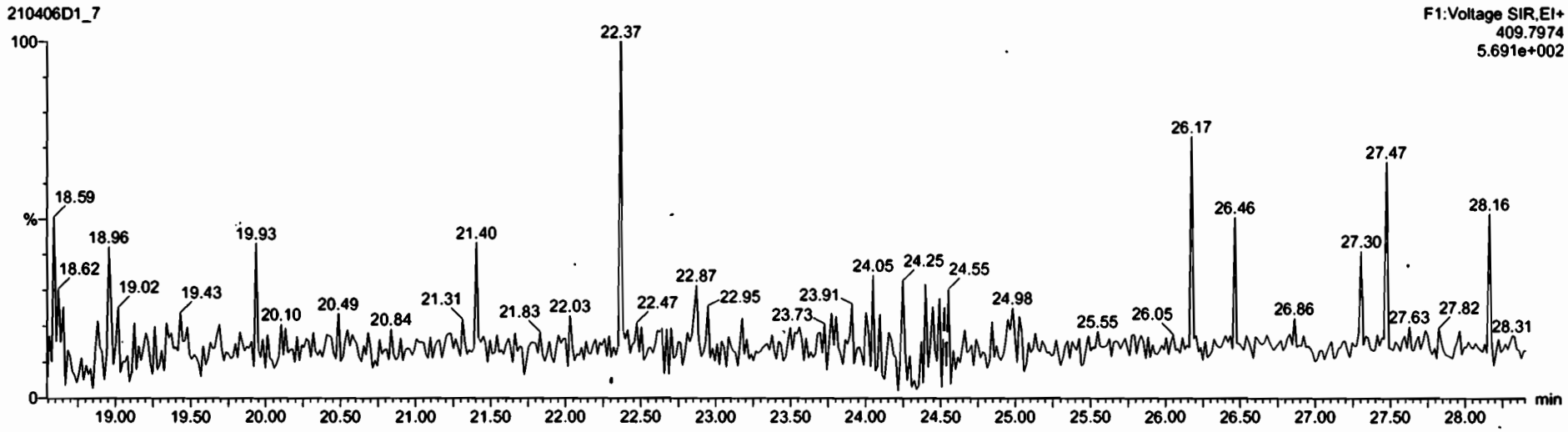
Name: 210406D1_7, Date: 06-Apr-2021, Time: 12:57:29, ID: 2103216-01 USMPDI-058RAB-00-10-210317 11.15, Description: USMPDI-058RAB-00-10-210317

1st Func. Penta-Furans



DPE6



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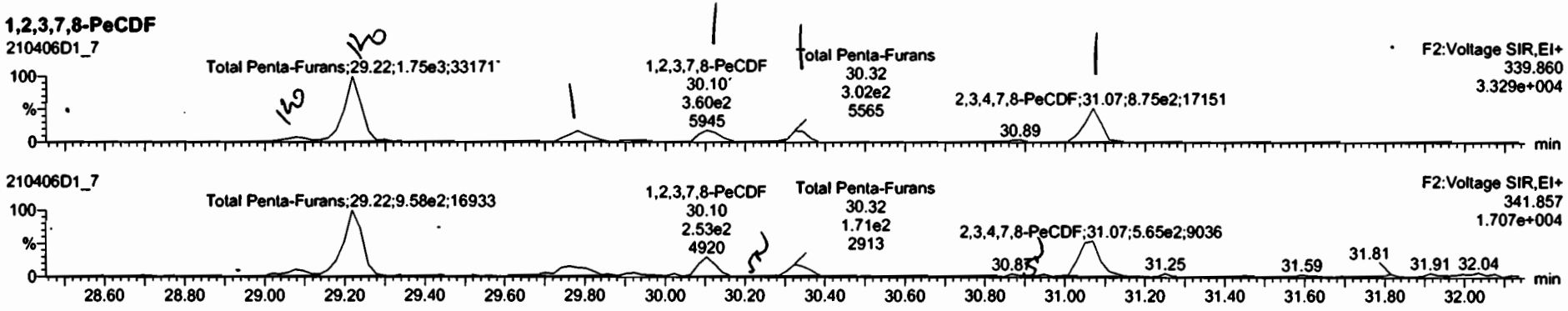
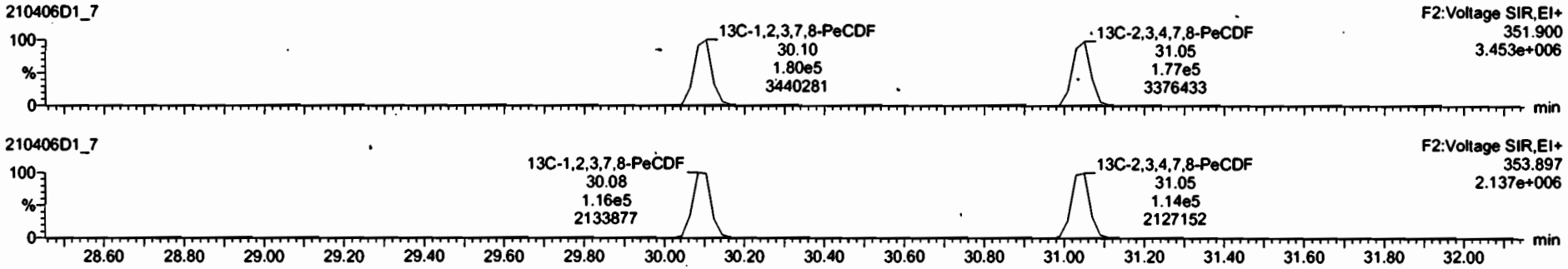
Name: 210406D1_7, Date: 06-Apr-2021, Time: 12:57:29, ID: 2103216-01 USMPDI-058RAB-00-10-210317 11.15, Description: USMPDI-058RAB-00-10-210317

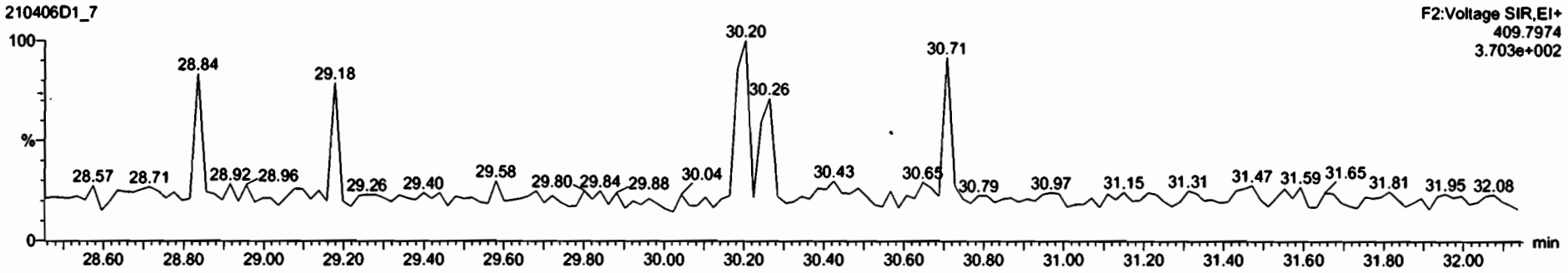
1,2,3,7,8-PeCDF



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



DPE2

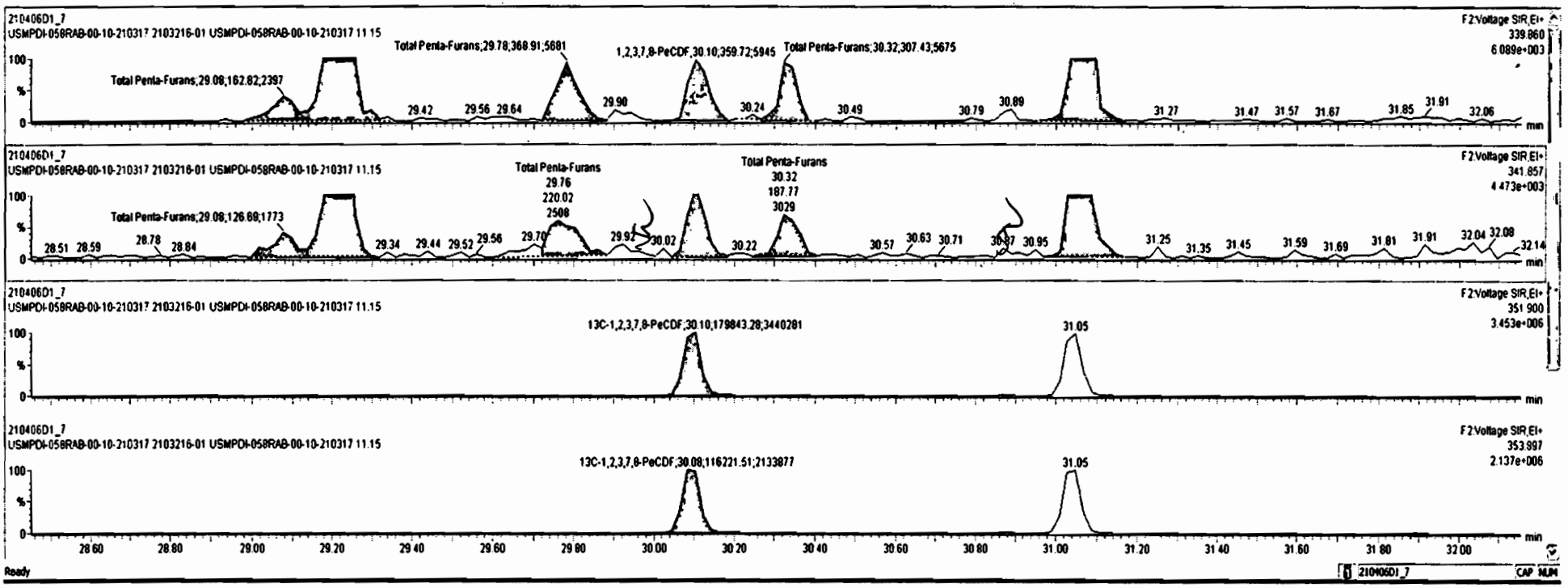


TargetLynx - 210406D1-7.qid * - [Chromatogram]

File Edit View Display Processing Window Help

	Name	Resp	RA	n/y	RRF	wtAvg	RT	RRT	Conc.	%Rec	DL	EMPC
43	Total Tetra-Furans				0.99	10.027			0.636		0.0429	1.41
44	1st Func. Penta-Furans				1.02	10.027			2.30		0.0333	2.30
45	Total Penta-Furans				1.02	10.027			1.99		0.0791	3.79
46	Total Hexa-Furans				1.13	10.027			22.3		0.204	22.7
47	Total Hepta-Furans				1.11	10.027			39.1		0.273	39.6

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Penta-Furans	29.08	1.628e2	1.267e2	1.29	YES	0.17816	0.00000
2	Total Penta-Furans	29.22	1.751e3	9.611e2	1.82	YES	1.6300	0.00000
3	Total Penta-Furans	29.78	3.889e2	2.200e2	1.68	NO	0.39169	0.39169
4	1,2,3,7,8-PeCDF	30.10	3.597e2	2.629e2	1.37	NO	0.41039	0.41039
5	Total Penta-Furans	30.32	3.074e2	1.878e2	1.64	NO	0.32935	0.32935
6	2,3,4,7,8-PeCDF	31.07	8.866e2	5.739e2	1.55	NO	0.85470	0.85470



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Last Altered: Tuesday, April 06, 2021 13:45:50 Pacific Daylight Time
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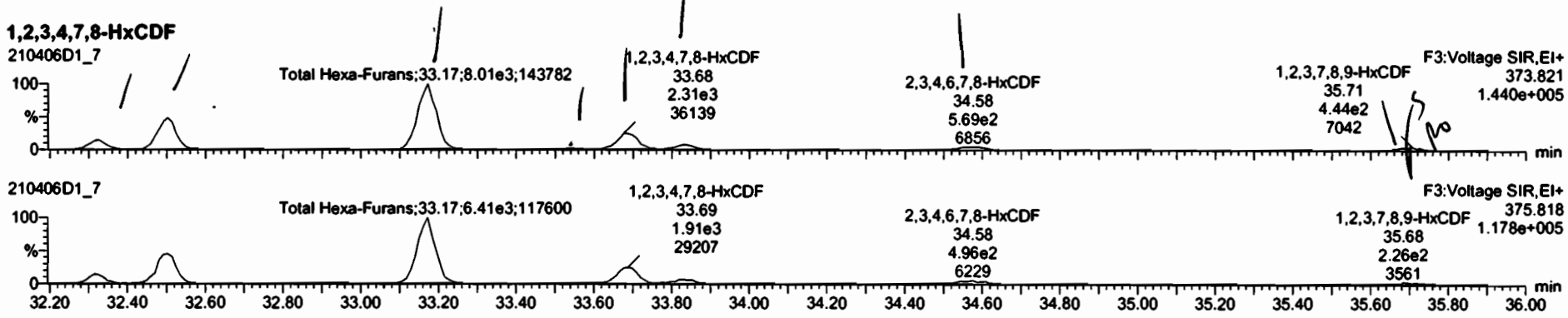
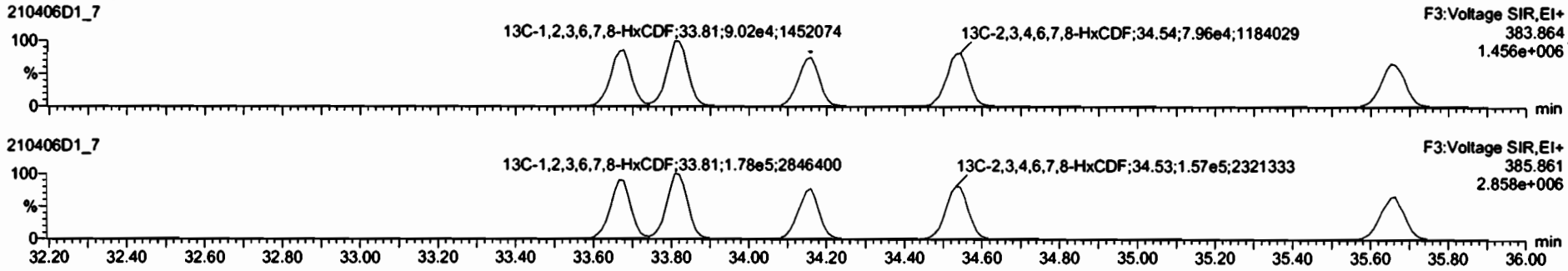
Name: 210406D1_7, Date: 06-Apr-2021, Time: 12:57:29, ID: 2103216-01 USMPDI-058RAB-00-10-210317 11.15, Description: USMPDI-058RAB-00-10-210317

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



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



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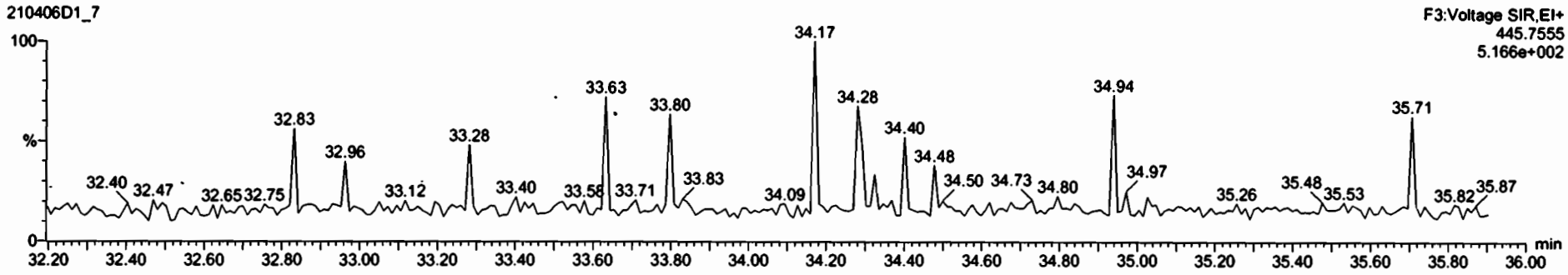

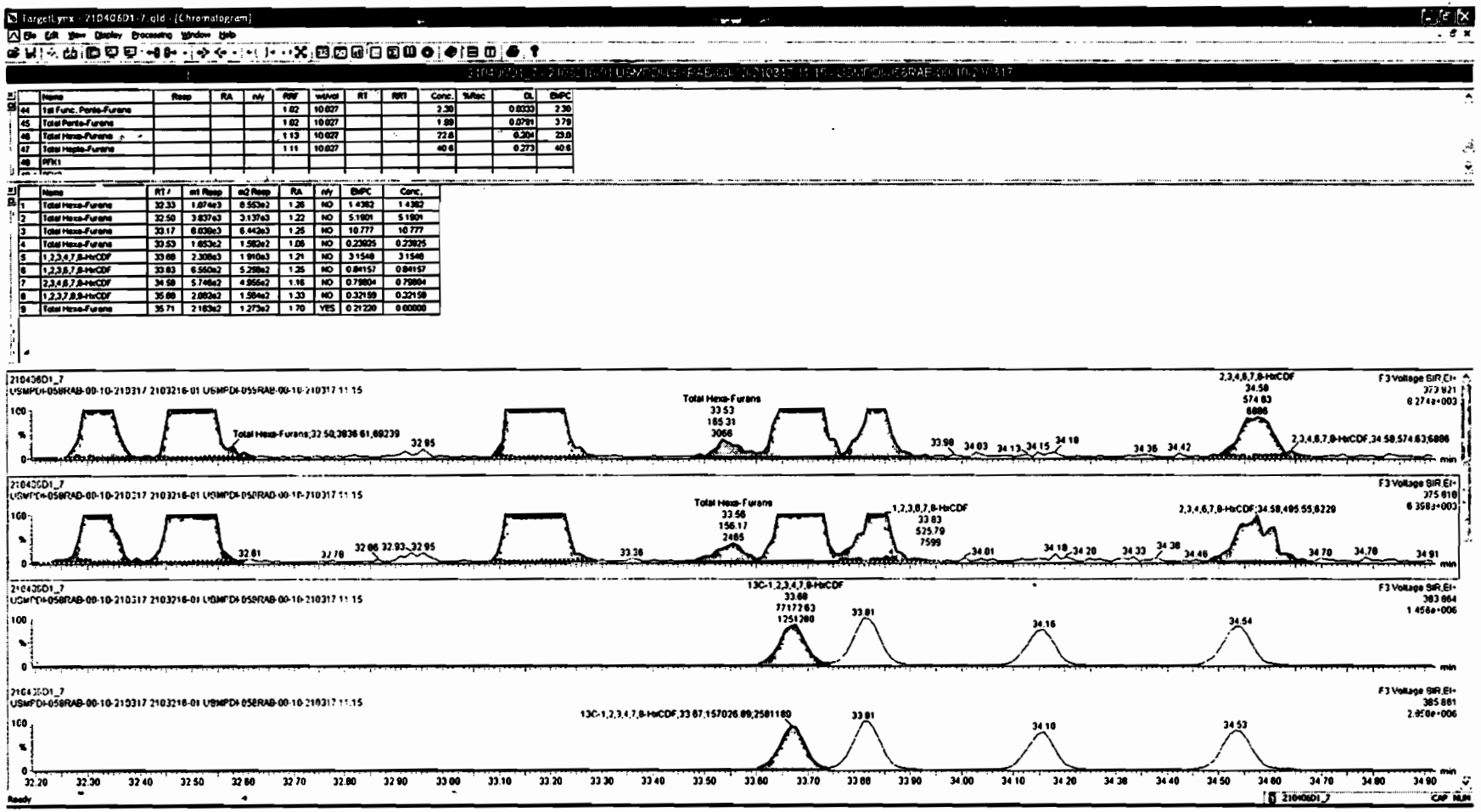

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
44	1st Func. Penta-Furans				1.02	10.027			2.30		0.0330	2.30
45	Total Penta-Furans				1.02	10.027			1.89		0.0791	3.79
46	Total Hexa-Furans				1.13	10.027			72.8		0.304	29.0
47	Total Hepta-Furans				1.11	10.027			40.6		0.273	40.6
48	PFK1											

	Name	RT	a1 Resp	a2 Resp	RA	n/y	EMPC	Conc.
1	Total Hexa-Furans	32.33	1.074e3	6.553e2	1.26	NO	1.4382	1.4382
2	Total Hexa-Furans	32.50	3.837e3	3.137e3	1.22	NO	5.1901	5.1901
3	Total Hexa-Furans	33.17	8.039e3	6.442e3	1.25	NO	10.777	10.777
4	Total Hexa-Furans	33.53	1.653e2	1.582e2	1.05	NO	0.23925	0.23925
5	1,2,3,4,7,8-HxCDF	33.68	2.308e3	1.910e3	1.21	NO	3.1548	3.1548
6	1,2,3,6,7,8-HxCDF	33.83	6.550e2	5.298e2	1.25	NO	0.84157	0.84157
7	2,3,4,6,7,8-HxCDF	34.58	5.746e2	4.956e2	1.16	NO	0.79804	0.79804
8	1,2,3,7,8,9-HxCDF	35.08	2.662e2	1.584e2	1.33	NO	0.32159	0.32159
9	Total Hexa-Furans	35.71	2.163e2	1.273e2	1.70	YES	0.21220	0.00000

Target1.ynx - 210406D1_7.qld - [Chromatogram]

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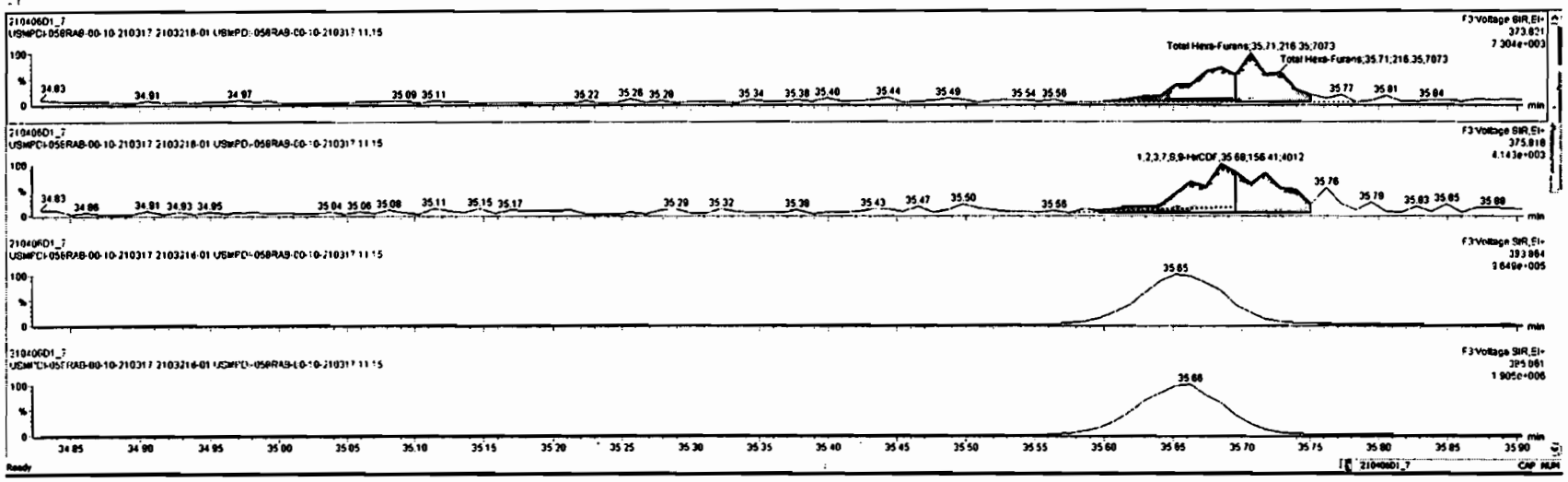
210406D1_7 - 2103216-01 USMPD-058RAB-00-10-210317 11:15 - USMPD-058RAB-00-10-210317

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
44	1st Func. Penta-Furans				1.02	10.027			2.30		0.0333	2.30
45	Total Penta-Furans				1.02	10.027			1.99		0.0791	3.79
46	Total Hexa-Furans				1.13	10.027			22.8		0.204	23.0
47	Total Hepta-Furans				1.11	10.027			40.6		0.273	40.6
48	PFK1											

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Hexa-Furans	32.33	1.074e3	8.553e2	1.26	NO	1.4362	1.4362
2	Total Hexa-Furans	32.50	3.837e3	3.137e3	1.22	NO	5.1901	5.1901
3	Total Hexa-Furans	33.17	8.039e3	6.442e3	1.25	NO	10.777	10.777
4	Total Hexa-Furans	33.53	1.853e2	1.582e2	1.08	NO	0.23925	0.23925
5	1,2,3,4,7,8-HxCDF	33.68	2.306e3	1.910e3	1.21	NO	3.1548	3.1548
6	1,2,3,6,7,8-HxCDF	33.83	6.550e2	5.258e2	1.25	NO	0.84157	0.84157
7	2,3,4,6,7,8-HxCDF	34.58	5.746e2	4.955e2	1.16	NO	0.79804	0.79804
8	1,2,3,7,8,9-HxCDF	35.68	2.082e2	1.584e2	1.33	NO	0.32159	0.32159
9	Total Hexa-Furans	35.71	2.163e2	1.273e2	1.70	YES	0.21220	0.08000



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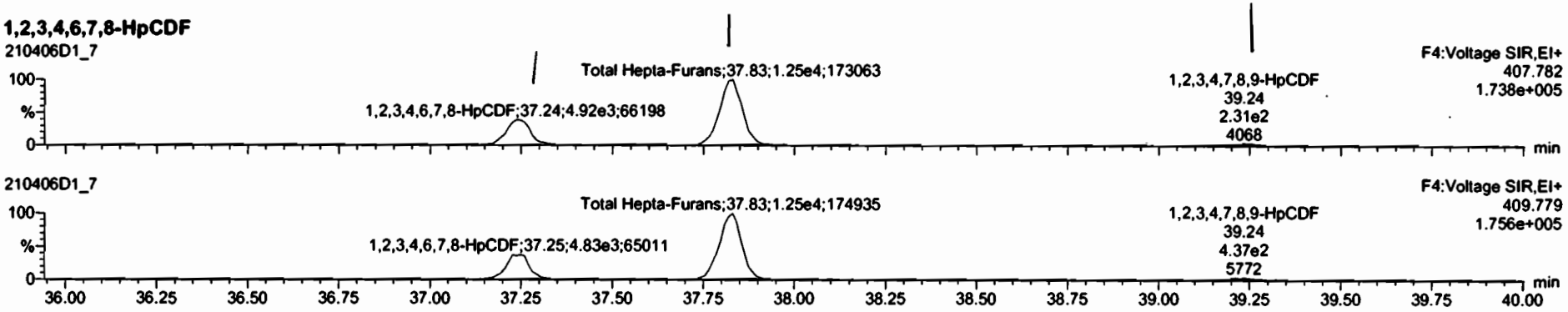
Last Altered: Tuesday, April 06, 2021 13:45:50 Pacific Daylight Time
Printed: Tuesday, April 06, 2021 13:46:00 Pacific Daylight Time

Name: 210406D1_7, Date: 06-Apr-2021, Time: 12:57:29, ID: 2103216-01 USMPDI-058RAB-00-10-210317 11.15, Description: USMPDI-058RAB-00-10-210317

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



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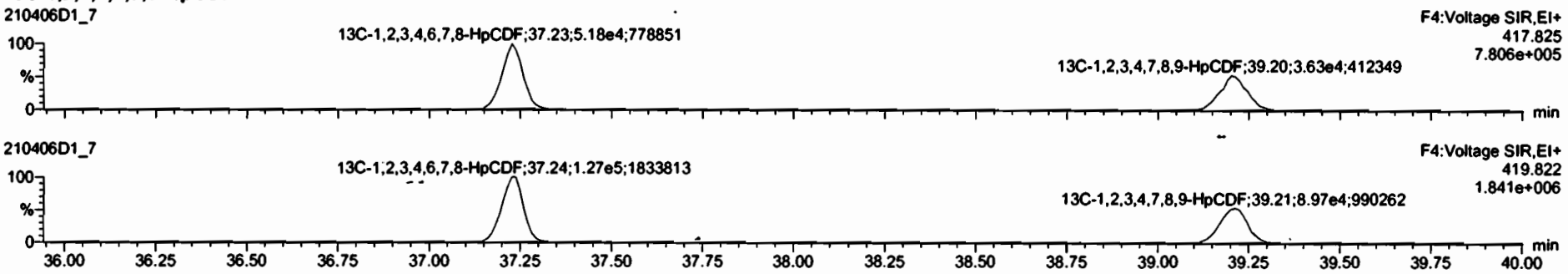

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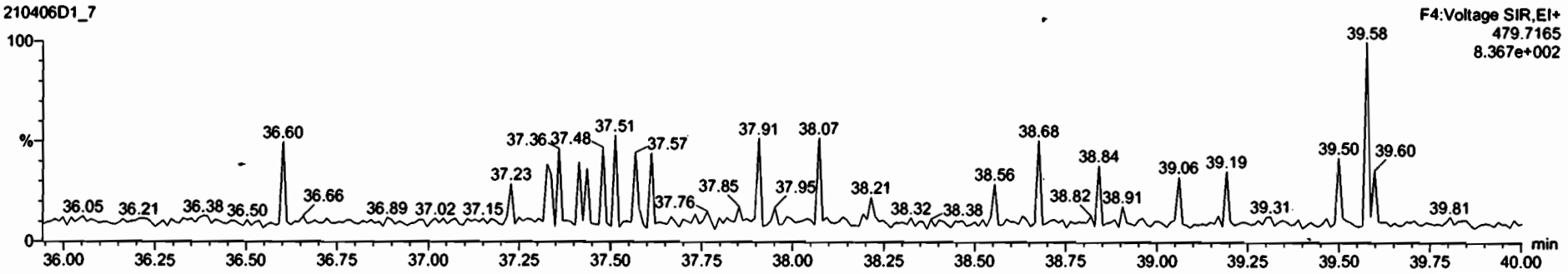

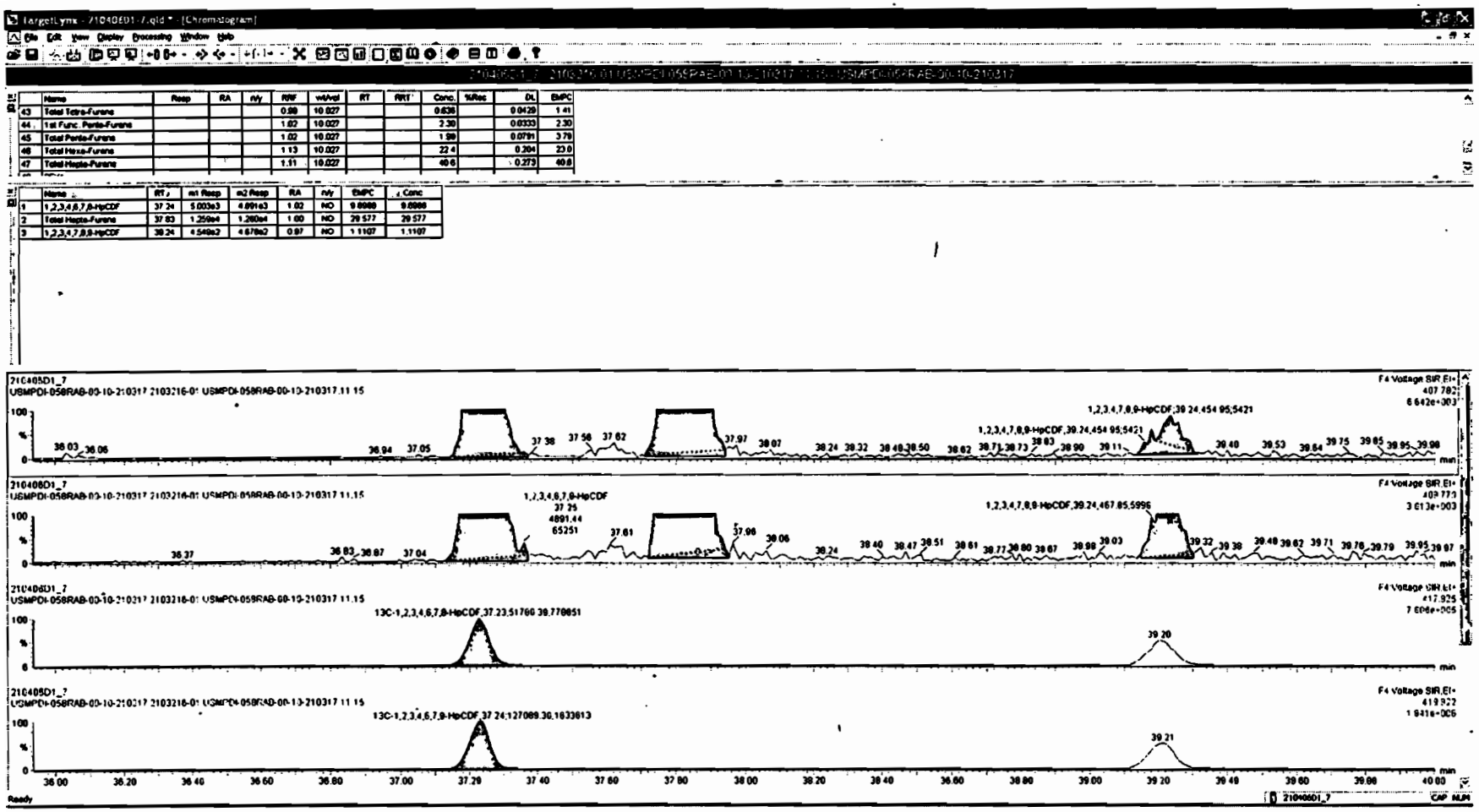

	Name	Resp	RA	n/y	RRF	wAvg	RT	RRT	Conc.	%Rec	DL	EMPC
43	Total Tetra-Furans				0.98	10.027			0.636		0.0429	1.41
44	1st Func. Penta-Furans				1.02	10.027			2.39		0.0333	2.30
45	Total Penta-Furans				1.02	10.027			1.99		0.0791	3.79
46	Total Hexa-Furans				1.13	10.027			22.4		0.204	23.0
47	Total Hepta-Furans				1.11	10.027			40.6		0.273	40.8

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc
1	1,2,3,4,6,7,8-HpCDF	37.24	5.003e3	4.891e3	1.02	NO	9.0000	9.0000
2	Total Hepta-Furans	37.83	1.259e4	1.280e4	1.00	NO	29.577	29.577
3	1,2,3,4,7,8,9-HpCDF	39.24	4.540e2	4.678e2	0.97	NO	1.1107	1.1107

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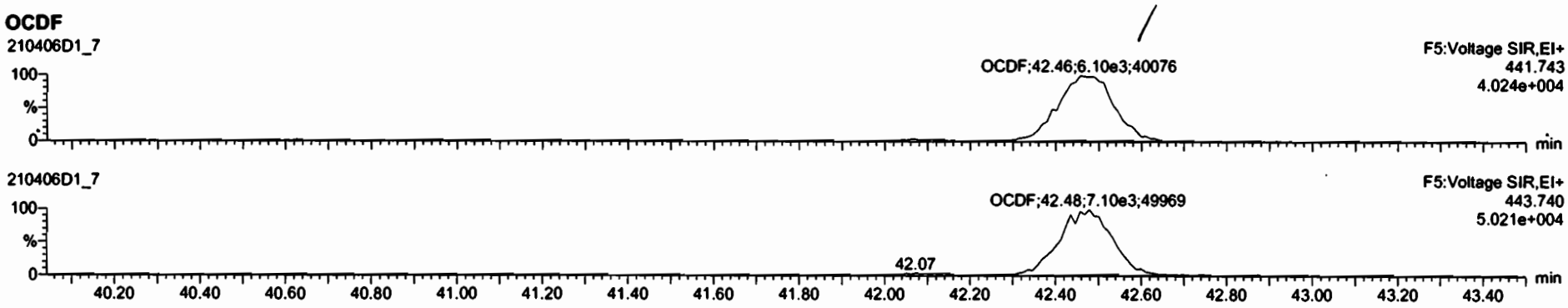
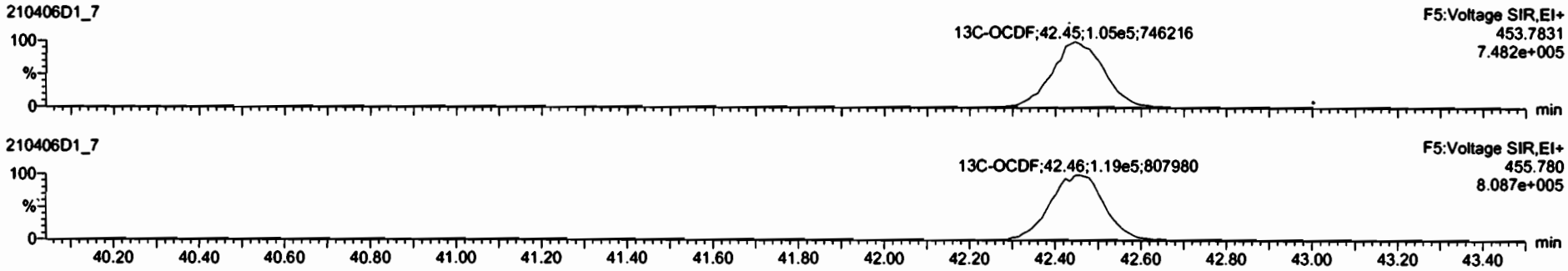
Last Altered: Tuesday, April 06, 2021 13:45:50 Pacific Daylight Time
Printed: Tuesday, April 06, 2021 13:46:00 Pacific Daylight Time

Name: 210406D1_7, Date: 06-Apr-2021, Time: 12:57:29, ID: 2103216-01 USMPDI-058RAB-00-10-210317 11.15, Description: USMPDI-058RAB-00-10-210317

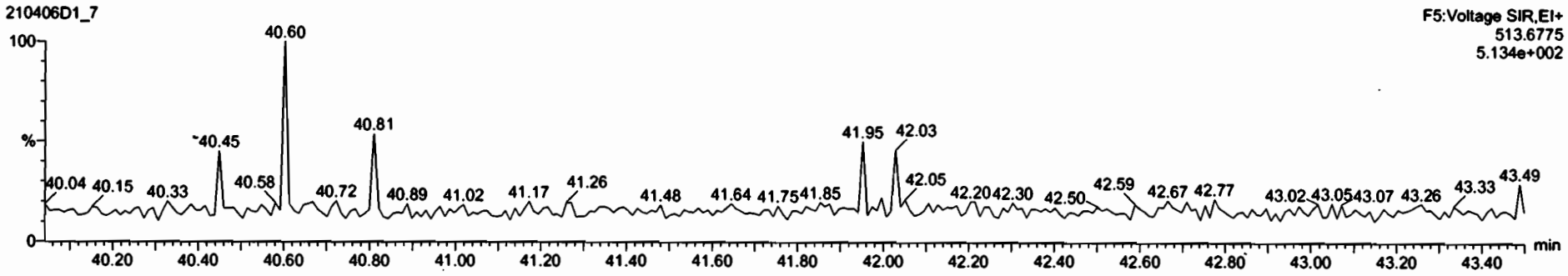
OCDF



13C-OCDF



DPE5



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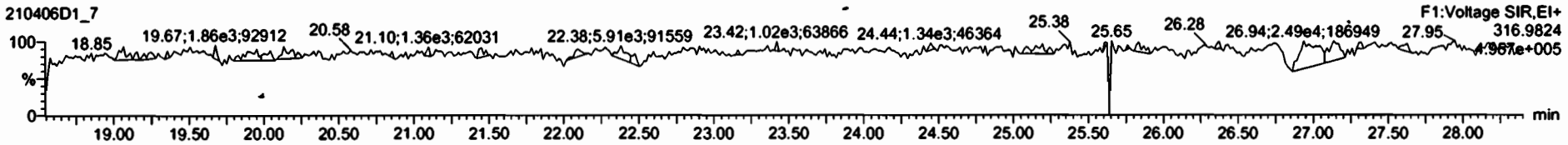
Last Altered: Tuesday, April 06, 2021 13:45:50 Pacific Daylight Time
Printed: Tuesday, April 06, 2021 13:46:00 Pacific Daylight Time

Name: 210406D1_7, Date: 06-Apr-2021, Time: 12:57:29, ID: 2103216-01 USMPDI-058RAB-00-10-210317 11.15, Description: USMPDI-058RAB-00-10-210317

PFK1



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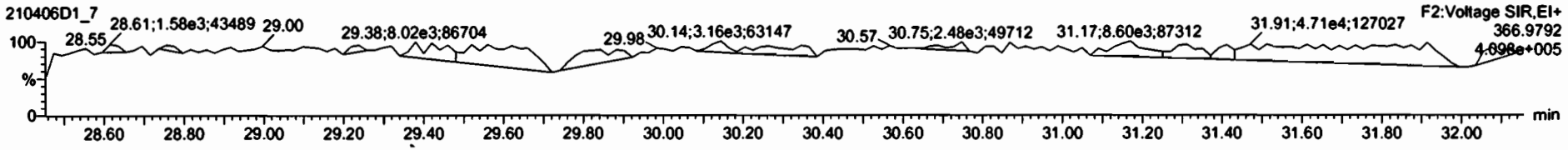

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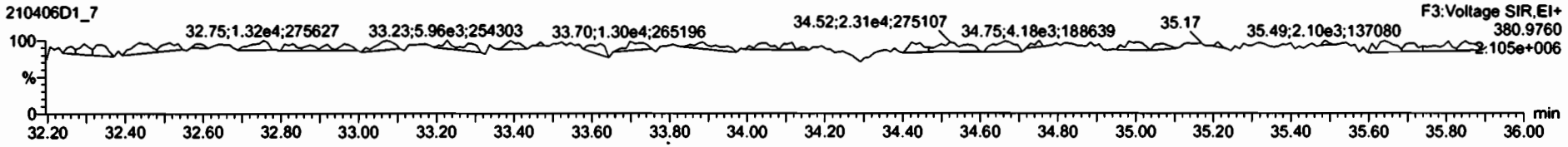
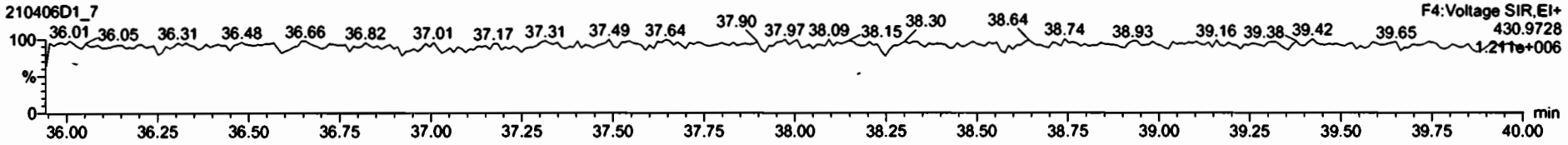


PFK4



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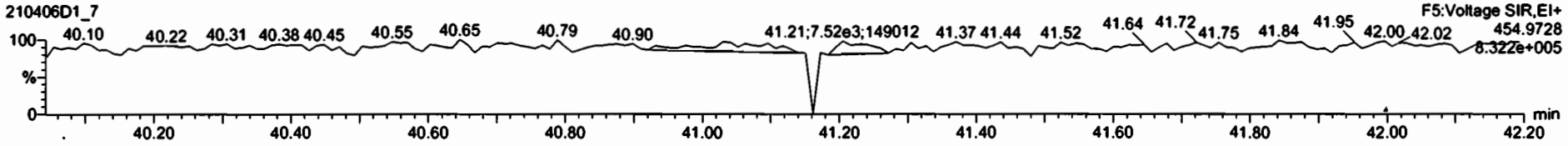

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-8.qld

Last Altered: Wednesday, April 21, 2021 11:55:18 Pacific Daylight Time
Printed: Wednesday, April 21, 2021 11:56:32 Pacific Daylight Time

DF 04/21/21

CT 04/21/2021

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_4-6-21.mdb 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210406D1_8, Date: 06-Apr-2021, Time: 13:44:08, ID: 2103216-02 USMPDI-058RAB-10-20-210317 12.32, Description: USMPDI-058RAB-10-20-210317, Task: ST210406D1-2

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	3.77e2	0.47	YES	0.998	10.344	27.09	1.001	0.32213		0.0563	0.235
2	1,2,3,7,8-PeCDD	4.44e2	0.65	NO	0.961	10.344	31.23	1.001	0.55821		0.0906	0.558
3	1,2,3,4,7,8-HxCDD	3.98e2	1.33	NO	1.18	10.344	34.69	1.001	0.47678		0.401	0.477
4	1,2,3,6,7,8-HxCDD	2.13e3	1.29	NO	1.04	10.344	34.81	1.001	2.5898		0.439	2.59
5	1,2,3,7,8,9-HxCDD	1.11e3	1.11	NO	1.06	10.344	35.11	1.001	1.2847		0.441	1.28
6	1,2,3,4,6,7,8-HpCDD	3.47e4	1.05	NO	1.06	10.344	38.49	1.000	52.598		0.741	52.6
7	OCDD	2.14e5	0.89	NO	0.977	10.344	42.08	1.000	519.67		0.810	520
8	2,3,7,8-TCDF	2.29e4	0.72	NO	0.989	10.344	26.52	1.001	14.415		0.0811	14.4
9	1,2,3,7,8-PeCDF	9.00e3	1.72	NO	1.02	10.344	30.10	1.001	6.6322		0.132	6.63
10	2,3,4,7,8-PeCDF	1.27e4	1.64	NO	1.17	10.344	31.07	1.001	8.5692		0.110	8.57
11	1,2,3,4,7,8-HxCDF	1.24e4	1.22	NO	1.14	10.344	33.70	1.001	9.9780		0.156	9.98
12	1,2,3,6,7,8-HxCDF	4.54e3	1.24	NO	1.04	10.344	33.83	1.000	3.5065		0.162	3.51
13	2,3,4,6,7,8-HxCDF	4.05e3	1.25	NO	1.13	10.344	34.59	1.001	3.1293		0.163	3.13
14	1,2,3,7,8,9-HxCDF	4.33e2	1.08	NO	1.07	10.344	35.69	1.001	0.39601		0.207	0.396
15	1,2,3,4,6,7,8-HpCDF	2.89e4	1.04	NO	1.11	10.344	37.24	1.000	28.352		0.200	28.4
16	1,2,3,4,7,8,9-HpCDF	2.36e3	0.96	NO	1.32	10.344	39.21	1.000	2.8236		0.327	2.82
17	OCDF	2.66e4	0.90	NO	0.931	10.344	42.44	1.000	47.262		0.293	47.3
18	13C-2,3,7,8-TCDD	2.27e5	0.74	NO	1.20	10.344	27.08	1.024	190.89	98.7	0.269	
19	13C-1,2,3,7,8-PeCDD	1.60e5	0.62	NO	0.864	10.344	31.21	1.181	187.77	97.1	0.296	
20	13C-1,2,3,4,7,8-HxCDD	1.36e5	1.27	NO	0.600	10.344	34.65	1.014	221.72	115	0.611	
21	13C-1,2,3,6,7,8-HxCDD	1.53e5	1.28	NO	0.674	10.344	34.78	1.018	220.96	114	0.543	
22	13C-1,2,3,7,8,9-HxCDD	1.57e5	1.26	NO	0.679	10.344	35.09	1.027	225.72	117	0.539	
23	13C-1,2,3,4,6,7,8-HpCDD	1.20e5	1.08	NO	0.558	10.344	38.48	1.126	210.19	109	0.776	
24	13C-OCDD	1.63e5	0.90	NO	0.496	10.344	42.07	1.231	320.47	82.9	0.479	
25	13C-2,3,7,8-TCDF	3.10e5	0.76	NO	1.03	10.344	26.51	1.003	190.63	98.6	0.263	
26	13C-1,2,3,7,8-PeCDF	2.57e5	1.58	NO	0.805	10.344	30.08	1.138	201.11	104	0.376	
27	13C-2,3,4,7,8-PeCDF	2.43e5	1.64	NO	0.748	10.344	31.05	1.175	205.03	106	0.404	
28	13C-1,2,3,4,7,8-HxCDF	2.12e5	0.51	NO	0.968	10.344	33.68	0.986	213.38	110	0.527	
29	13C-1,2,3,6,7,8-HxCDF	2.40e5	0.52	NO	1.08	10.344	33.82	0.990	215.92	112	0.471	
30	13C-2,3,4,6,7,8-HxCDF	2.22e5	0.52	NO	0.960	10.344	34.54	1.011	225.26	117	0.532	

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-8.qld

Last Altered: Wednesday, April 21, 2021 11:55:18 Pacific Daylight Time
Printed: Wednesday, April 21, 2021 11:56:32 Pacific Daylight Time

Name: 210406D1_8, Date: 06-Apr-2021, Time: 13:44:08, ID: 2103216-02 USMPDI-058RAB-10-20-210317 12.32, Description: USMPDI-058RAB-10-20-210317, Task: ST210406D1-2

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC	
31	13C-1,2,3,7,8,9-HxCDF	1.97e5	0.52	NO	0.869	10.344	35.66	1.044	220.46	114	0.587		
32	13C-1,2,3,4,6,7,8-HpCDF	1.77e5	0.43	NO	0.794	10.344	37.24	1.090	217.40	112	0.660		
33	13C-1,2,3,4,7,8,9-HpCDF	1.23e5	0.43	NO	0.586	10.344	39.20	1.147	204.27	106	0.894		
34	13C-OCDF	2.33e5	0.88	NO	0.711	10.344	42.42	1.242	320.11	82.8	0.403		
35	37Cl-2,3,7,8-TCDD	8.56e4			1.11	10.344	27.09	1.025	78.275	101	0.0551		
36	13C-1,2,3,4-TCDD	1.91e5	0.77	NO	1.00	10.344	26.43	1.000	193.35	100	0.324		
37	13C-1,2,3,4-TCDF	3.07e5	0.78	NO	1.00	10.344	25.23	1.000	193.35	100	0.269		
38	13C-1,2,3,4,6,9-HxCDF	1.98e5	0.52	NO	1.00	10.344	34.17	1.000	193.35	100	0.511		
39	Total Tetra-Dioxins				0.998	10.344			2.9810		0.0563	5.08	
40	Total Penta-Dioxins				0.961	10.344			7.1585		0.0906	9.38	
41	Total Hexa-Dioxins				1.04	10.344			26.242		0.448	26.2	
42	Total Hepta-Dioxins				1.06	10.344			117.42		0.741	117	
43	Total Tetra-Furans				0.989	10.344			55.990		0.0811	58.9	
44	1st Func. Penta-Furans				1.02	10.344			18.297		0.0266	18.3	
45	Total Penta-Furans				1.02	10.344			38.747		0.129	39.9	P
46	Total Hexa-Furans				1.13	10.344			50.435		0.166	50.7	
47	Total Hepta-Furans				1.11	10.344			74.799		0.276	74.8	

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-8.qld

Last Altered: Wednesday, April 21, 2021 11:55:18 Pacific Daylight Time
Printed: Wednesday, April 21, 2021 11:56:32 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_4-6-21.mdb 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210406D1_8, Date: 06-Apr-2021, Time: 13:44:08, ID: 2103216-02 USMPDI-058RAB-10-20-210317 12.32, Description: USMPDI-058RAB-10-20-210317, Task: ST210406D1-2

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	24.02	1.527e4	2.169e4	1.147e3	1.470e3	0.78	NO	2.617e3	2.2370	2.2370	0.0563
2	Total Tetra-Dioxins	24.28	4.631e3	5.988e3	3.495e2	3.585e2	0.97	YES	0.000e0	0.00000	0.54245	0.0563
3	Total Tetra-Dioxins	24.70	1.444e3	1.873e3	8.103e1	9.783e1	0.83	NO	1.789e2	0.15291	0.15291	0.0563
4	Total Tetra-Dioxins	25.36	1.459e3	1.363e3	6.994e1	7.262e1	0.96	YES	0.000e0	0.00000	0.10989	0.0563
5	Total Tetra-Dioxins	25.51	2.416e3	4.045e3	1.727e2	2.681e2	0.64	YES	0.000e0	0.00000	0.33938	0.0563
6	Total Tetra-Dioxins	25.71	3.039e3	2.937e3	1.884e2	1.655e2	1.14	YES	0.000e0	0.00000	0.25039	0.0563
7	Total Tetra-Dioxins	25.90	2.322e3	3.175e3	1.193e2	2.064e2	0.58	YES	0.000e0	0.00000	0.23435	0.0563
8	Total Tetra-Dioxins	26.51	9.684e3	2.968e3	5.588e2	1.966e2	2.84	YES	0.000e0	0.00000	0.29742	0.0563
9	Total Tetra-Dioxins	26.85	2.513e3	3.580e3	1.861e2	2.485e2	0.75	NO	4.346e2	0.37158	0.37158	0.0563
10	2,3,7,8-TCDD	27.09	2.123e3	4.941e3	1.197e2	2.571e2	0.47	YES	3.768e2	0.00000	0.23526	0.0563
11	Total Tetra-Dioxins	27.35	1.711e3	2.588e3	1.122e2	1.446e2	0.78	NO	2.567e2	0.21948	0.21948	0.0563
12	Total Tetra-Dioxins	27.85	1.285e3	1.265e3	5.556e1	6.046e1	0.92	YES	0.000e0	0.00000	0.091492	0.0563

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	29.18	1.106e4	1.803e4	7.005e2	1.172e3	0.60	NO	1.873e3	2.3518	2.3518	0.0906
2	Total Penta-Dioxins	29.62	3.020e3	4.149e3	1.612e2	2.321e2	0.69	NO	3.933e2	0.49400	0.49400	0.0906
3	Total Penta-Dioxins	29.72	9.030e2	3.161e3	3.429e1	2.033e2	0.17	YES	0.000e0	0.00000	0.11143	0.0906
4	Total Penta-Dioxins	30.08	1.854e4	1.429e4	9.544e2	7.274e2	1.31	YES	0.000e0	0.00000	1.4890	0.0906
5	Total Penta-Dioxins	30.24	6.107e3	8.336e3	4.782e2	6.725e2	0.71	NO	1.151e3	1.4452	1.4452	0.0906
6	Total Penta-Dioxins	30.53	8.064e3	1.142e4	5.406e2	8.055e2	0.67	NO	1.346e3	1.6905	1.6905	0.0906
7	Total Penta-Dioxins	30.81	1.890e3	2.767e3	8.203e1	1.294e2	0.63	NO	2.114e2	0.26551	0.26551	0.0906
8	Total Penta-Dioxins	31.05	9.474e3	3.046e3	5.015e2	1.586e2	3.16	YES	0.000e0	0.00000	0.32467	0.0906
9	1,2,3,7,8-PeCDD	31.23	3.495e3	5.587e3	1.746e2	2.698e2	0.65	NO	4.445e2	0.55821	0.55821	0.0906
10	Total Penta-Dioxins	31.29	1.861e3	3.122e3	1.152e2	1.660e2	0.69	NO	2.812e2	0.35318	0.35318	0.0906
11	Total Penta-Dioxins	31.57	2.233e3	3.186e3	1.155e2	1.445e2	0.80	YES	0.000e0	0.00000	0.29572	0.0906

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-8.qld

Last Altered: Wednesday, April 21, 2021 11:55:18 Pacific Daylight Time
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Name: 210406D1_8, Date: 06-Apr-2021, Time: 13:44:08, ID: 2103216-02 USMPDI-058RAB-10-20-210317 12.32, Description: USMPDI-058RAB-10-20-210317, Task: ST210406D1-2

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	32.88	6.283e4	5.001e4	3.526e3	2.819e3	1.25	NO	6.345e3	7.9272	7.9272	0.448
2	Total Hexa-Dioxins	33.54	1.342e4	1.300e4	8.087e2	6.502e2	1.24	NO	1.459e3	1.8227	1.8227	0.448
3	Total Hexa-Dioxins	33.85	6.295e4	4.758e4	4.912e3	3.623e3	1.36	NO	8.535e3	10.664	10.664	0.448
4	Total Hexa-Dioxins	33.97	3.639e3	3.085e3	1.818e2	1.595e2	1.14	NO	3.413e2	0.42646	0.42646	0.448
5	1,2,3,4,7,8-HxCDD	34.69	4.068e3	3.322e3	2.275e2	1.707e2	1.33	NO	3.982e2	0.47678	0.47678	0.401
6	1,2,3,6,7,8-HxCDD	34.81	1.955e4	1.544e4	1.197e3	9.313e2	1.29	NO	2.128e3	2.5898	2.5898	0.439
7	Total Hexa-Dioxins	34.99	7.431e3	6.770e3	4.432e2	3.974e2	1.12	NO	8.406e2	1.0502	1.0502	0.448
8	1,2,3,7,8,9-HxCDD	35.11	9.072e3	8.045e3	5.830e2	5.229e2	1.11	NO	1.106e3	1.2847	1.2847	0.441

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.55	3.378e5	3.103e5	2.175e4	2.101e4	1.04	NO	4.276e4	64.827	64.827	0.741
2	1,2,3,4,6,7,8-HpCDD	38.49	2.281e5	2.212e5	1.776e4	1.693e4	1.05	NO	3.469e4	52.598	52.598	0.741

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-8.qld

Last Altered: Wednesday, April 21, 2021 11:55:18 Pacific Daylight Time
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Name: 210406D1_8, Date: 06-Apr-2021, Time: 13:44:08, ID: 2103216-02 USMPDI-058RAB-10-20-210317 12.32, Description: USMPDI-058RAB-10-20-210317, Task: ST210406D1-2

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	22.20	3.791e3	4.417e3	2.755e2	3.590e2	0.77	NO	6.345e2	0.39997	0.39997	0.0811
2	Total Tetra-Furans	22.69	9.608e3	1.015e4	7.083e2	7.876e2	0.90	YES	0.000e0	0.00000	0.87875	0.0811
3	Total Tetra-Furans	23.34	3.741e4	4.765e4	2.691e3	3.426e3	0.79	NO	6.117e3	3.8560	3.8560	0.0811
4	Total Tetra-Furans	23.51	2.765e3	4.077e3	2.118e2	2.521e2	0.84	NO	4.639e2	0.29240	0.29240	0.0811
5	Total Tetra-Furans	23.64	6.885e3	7.213e3	4.006e2	4.192e2	0.96	YES	0.000e0	0.00000	0.46775	0.0811
6	Total Tetra-Furans	23.73	1.049e4	1.201e4	7.019e2	9.727e2	0.72	NO	1.675e3	1.0556	1.0556	0.0811
7	Total Tetra-Furans	23.80	7.100e3	8.738e3	3.970e2	4.336e2	0.92	YES	0.000e0	0.00000	0.48377	0.0811
8	Total Tetra-Furans	23.99	6.668e3	7.022e3	3.778e2	4.048e2	0.93	YES	0.000e0	0.00000	0.45160	0.0811
9	Total Tetra-Furans	24.05	3.790e4	5.205e4	2.704e3	3.660e3	0.74	NO	6.364e3	4.0116	4.0116	0.0811
10	Total Tetra-Furans	24.42	2.809e4	3.718e4	1.917e3	2.472e3	0.78	NO	4.389e3	2.7666	2.7666	0.0811
11	Total Tetra-Furans	24.52	6.380e3	7.477e3	3.560e2	3.750e2	0.95	YES	0.000e0	0.00000	0.41837	0.0811
12	Total Tetra-Furans	24.69	1.066e4	1.424e4	6.755e2	9.314e2	0.73	NO	1.607e3	1.0129	1.0129	0.0811
13	Total Tetra-Furans	25.03	5.238e3	6.594e3	3.125e2	3.743e2	0.84	NO	6.868e2	0.43295	0.43295	0.0811
14	Total Tetra-Furans	25.09	1.005e4	1.176e4	5.927e2	7.081e2	0.84	NO	1.301e3	0.81999	0.81999	0.0811
15	Total Tetra-Furans	25.32	3.818e4	4.961e4	3.506e3	4.670e3	0.75	NO	8.176e3	5.1538	5.1538	0.0811
16	Total Tetra-Furans	25.68	1.564e5	2.067e5	9.261e3	1.196e4	0.77	NO	2.122e4	13.377	13.377	0.0811
17	Total Tetra-Furans	25.96	1.285e4	1.382e4	7.623e2	8.835e2	0.86	NO	1.646e3	1.0375	1.0375	0.0811
18	Total Tetra-Furans	26.05	4.230e3	5.507e3	2.635e2	3.253e2	0.81	NO	5.888e2	0.37116	0.37116	0.0811
19	Total Tetra-Furans	26.28	9.164e3	1.076e4	4.530e2	6.137e2	0.74	NO	1.067e3	0.67239	0.67239	0.0811
20	Total Tetra-Furans	26.42	3.031e4	3.921e4	1.899e3	2.431e3	0.78	NO	4.331e3	2.7299	2.7299	0.0811
21	2,3,7,8-TCDF	26.52	1.743e5	2.442e5	9.583e3	1.328e4	0.72	NO	2.287e4	14.415	14.415	0.0811
22	Total Tetra-Furans	26.77	2.152e4	2.888e4	1.530e3	1.995e3	0.77	NO	3.526e3	2.2226	2.2226	0.0811
23	Total Tetra-Furans	27.01	2.674e3	4.618e3	1.760e2	2.434e2	0.72	NO	4.193e2	0.26433	0.26433	0.0811
24	Total Tetra-Furans	27.47	2.299e3	2.017e3	9.491e1	1.073e2	0.88	NO	2.022e2	0.12746	0.12746	0.0811
25	Total Tetra-Furans	27.63	2.519e3	4.784e3	1.650e2	1.979e2	0.83	NO	3.629e2	0.22878	0.22878	0.0811
26	Total Tetra-Furans	27.79	8.419e3	1.307e4	4.764e2	7.017e2	0.68	NO	1.178e3	0.74258	0.74258	0.0811
27	Total Tetra-Furans	27.96	9.161e3	3.590e3	4.318e2	2.147e2	2.01	YES	0.000e0	0.00000	0.23953	0.0811

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Name: 210406D1_8, Date: 06-Apr-2021, Time: 13:44:08, ID: 2103216-02 USMPDI-058RAB-10-20-210317 12.32, Description: USMPDI-058RAB-10-20-210317, Task: ST210406D1-2

Penta-Furans function 1

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp'	Conc.	EMPC	DL
1	1st Func. Penta-Furans	27.78	3.020e5	1.822e5	1.515e4	9.032e3	1.68	NO	2.418e4	18.297	18.297	0.0266

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	29.08	1.915e4	1.231e4	1.259e3	7.570e2	1.66	NO	2.016e3	1.5257	1.5257	0.129
2	Total Penta-Furans	29.22	1.553e5	9.363e4	9.596e3	5.899e3	1.63	NO	1.550e4	11.726	11.726	0.129
3	Total Penta-Furans	29.64	5.073e3	2.429e3	3.098e2	1.826e2	1.70	NO	4.924e2	0.37260	0.37260	0.129
4	Total Penta-Furans	29.76	4.065e4	2.895e4	2.643e3	1.683e3	1.57	NO	4.327e3	3.2741	3.2741	0.129
5	Total Penta-Furans	29.92	2.383e4	1.691e4	1.166e3	8.150e2	1.43	NO	1.981e3	1.4992	1.4992	0.129
6	1,2,3,7,8-PeCDF	30.10	1.083e5	6.788e4	5.696e3	3.306e3	1.72	NO	9.002e3	6.6322	6.6322	0.132
7	Total Penta-Furans	30.26	4.115e3	2.283e3	2.048e2	1.161e2	1.76	NO	3.209e2	0.24287	0.24287	0.129 P
8	Total Penta-Furans	30.34	6.841e4	4.441e4	3.721e3	2.211e3	1.68	NO	5.932e3	4.4892	4.4892	0.129
9	Total Penta-Furans	30.83	1.851e3	1.083e3	7.918e1	5.021e1	1.58	NO	1.294e2	0.097914	0.097914	0.129
10	Total Penta-Furans	30.89	1.464e4	8.932e3	6.692e2	3.999e2	1.67	NO	0.000e0	0.00000	0.80901	0.129
11	2,3,4,7,8-PeCDF	31.07	1.437e5	8.417e4	7.854e3	4.798e3	1.64	NO	1.265e4	8.5692	8.5692	0.110
12	Total Penta-Furans	31.85	8.729e3	4.261e3	3.747e2	1.703e2	2.20	YES	0.000e0	0.00000	0.32863	0.129
13	Total Penta-Furans	31.92	4.883e3	3.935e3	2.469e2	1.746e2	1.41	NO	4.214e2	0.31891	0.31891	0.129

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-8.qld

Last Altered: Wednesday, April 21, 2021 11:55:18 Pacific Daylight Time
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Name: 210406D1_8, Date: 06-Apr-2021, Time: 13:44:08, ID: 2103216-02 USMPDI-058RAB-10-20-210317 12.32, Description: USMPDI-058RAB-10-20-210317, Task: ST210406D1-2

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.33	5.173e4	3.970e4	2.565e3	2.106e3	1.22	NO	4.672e3	3.6792	3.6792	0.166
2	Total Hexa-Furans	32.51	1.735e5	1.406e5	8.823e3	7.188e3	1.23	NO	1.601e4	12.610	12.610	0.166
3	Total Hexa-Furans	32.95	5.430e3	3.463e3	2.374e2	1.572e2	1.51	YES	0.000e0	0.00000	0.27734	0.166
4	Total Hexa-Furans	33.18	2.162e5	1.598e5	1.148e4	8.886e3	1.29	NO	2.036e4	16.037	16.037	0.166
5	Total Hexa-Furans	33.56	9.802e3	7.977e3	5.721e2	4.741e2	1.21	NO	1.046e3	0.82395	0.82395	0.166
6	1,2,3,4,7,8-HxCDF	33.70	1.147e5	9.927e4	6.827e3	5.618e3	1.22	NO	1.244e4	9.9780	9.9780	0.156
7	1,2,3,6,7,8-HxCDF	33.83	4.140e4	3.656e4	2.512e3	2.028e3	1.24	NO	4.539e3	3.5065	3.5065	0.162
8	Total Hexa-Furans	34.19	2.709e3	2.644e3	1.893e2	1.601e2	1.18	NO	3.494e2	0.27521	0.27521	0.166
9	2,3,4,6,7,8-HxCDF	34.59	3.534e4	2.499e4	2.252e3	1.798e3	1.25	NO	4.050e3	3.1293	3.1293	0.163
10	1,2,3,7,8,9-HxCDF	35.69	9.215e3	9.766e3	2.243e2	2.083e2	1.08	NO	4.326e2	0.39601	0.39601	0.207

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	37.24	2.379e5	2.382e5	1.475e4	1.418e4	1.04	NO	2.893e4	28.352	28.352	0.200
2	Total Hepta-Furans	37.63	3.835e3	3.574e3	2.477e2	2.278e2	1.09	NO	4.756e2	0.55041	0.55041	0.276
3	Total Hepta-Furans	37.82	3.114e5	2.970e5	1.907e4	1.815e4	1.05	NO	3.722e4	43.073	43.073	0.276
4	1,2,3,4,7,8,9-HpCDF	39.21	1.409e4	1.624e4	1.155e3	1.203e3	0.96	NO	2.358e3	2.8236	2.8236	0.327

Dataset: Untitled

Last Altered: - Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_4-6-21.mdb 06 Apr 2021 09:18:07
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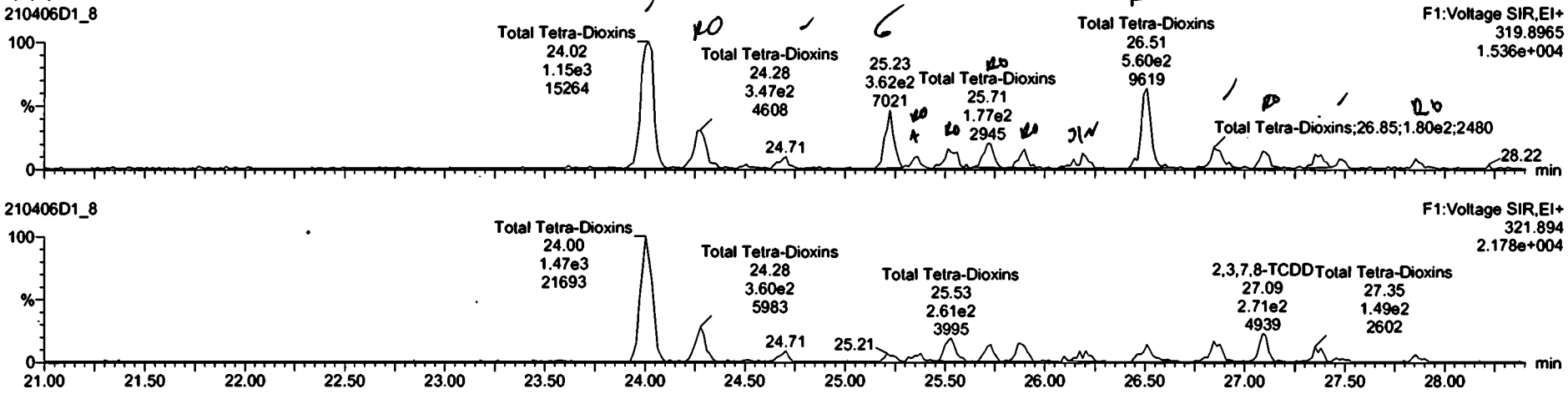
Name: 210406D1_8, Date: 06-Apr-2021, Time: 13:44:08, ID: 2103216-02 USMPDI-058RAB-10-20-210317 12.32, Description: USMPDI-058RAB-10-20-210317

2,3,7,8-TCDD



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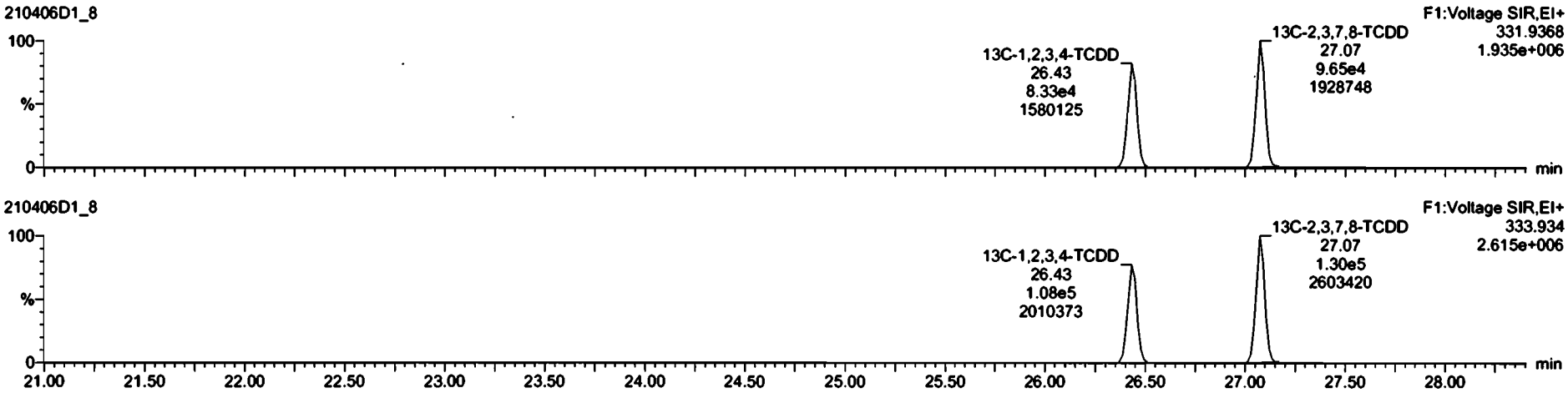

TargetLynx - 210406D1-8.qld - Chromatogram

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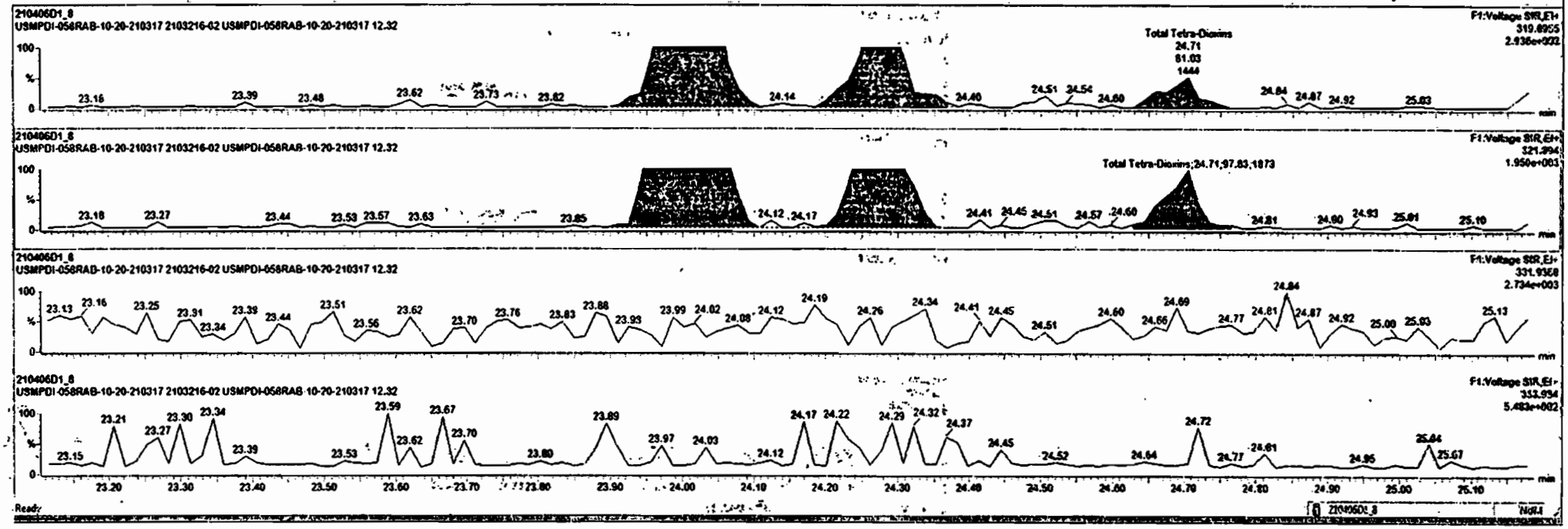
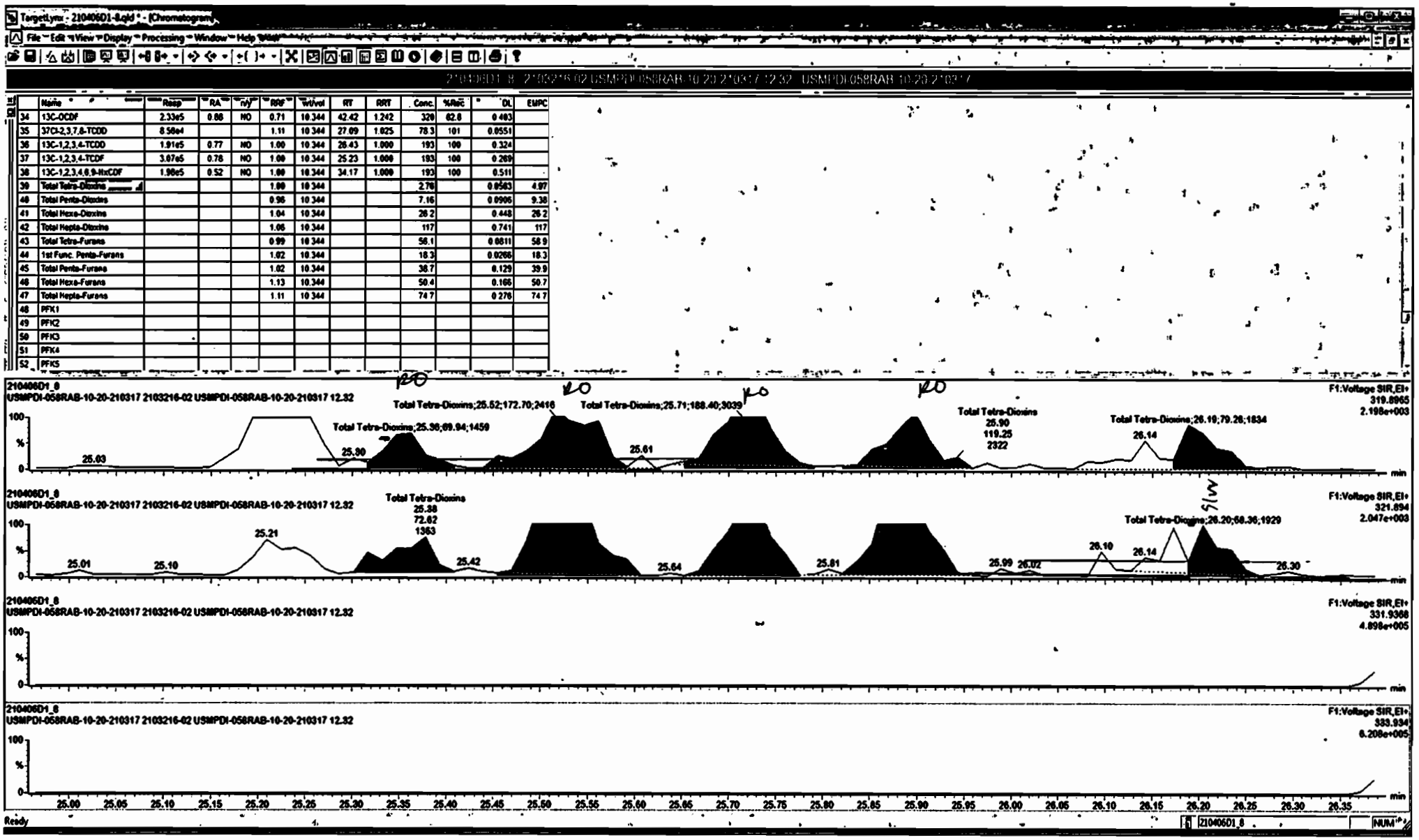
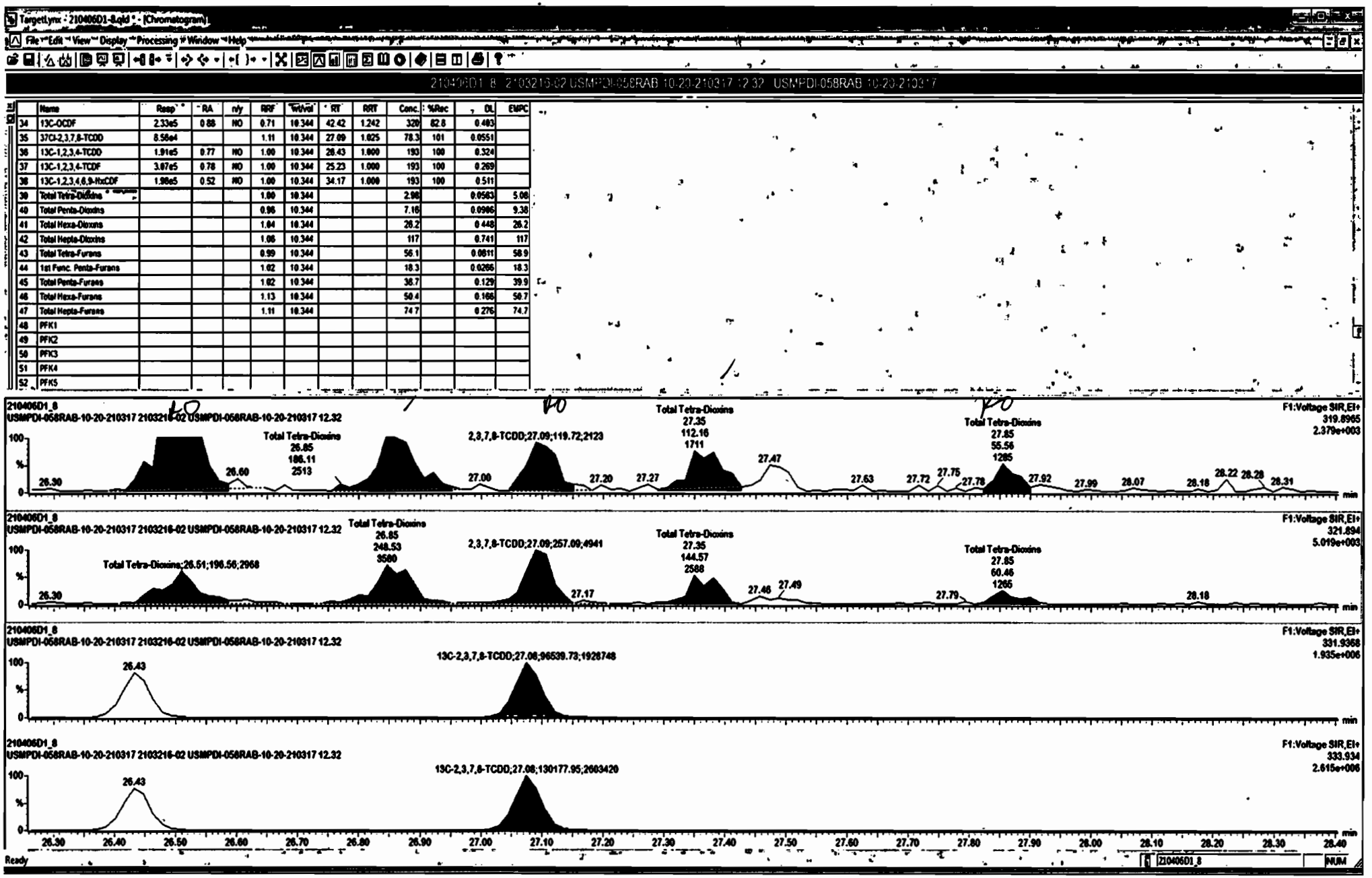
	Name	Resp	RA	m/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
24	13C-OCDD	1.63e5	0.90	NO	0.50	10.344	42.07	1.231	320	82.9	0.479	
25	13C-2,3,7,8-TCDF	3.10e5	0.76	NO	1.03	10.344	26.51	1.003	191	98.6	0.263	
26	13C-1,2,3,7,8-PeCDF	2.57e5	1.58	NO	0.81	10.344	30.08	1.138	201	104	0.376	
27	13C-2,3,4,7,8-PeCDF	2.43e5	1.64	NO	0.75	10.344	31.05	1.175	205	106	0.494	
28	13C-1,2,3,4,7,8-HxCDF	2.12e5	0.51	NO	0.97	10.344	33.68	0.936	213	110	0.527	
29	13C-1,2,3,6,7,8-HxCDF	2.40e5	0.52	NO	1.05	10.344	33.82	0.990	216	112	0.471	
30	13C-2,3,4,6,7,8-HxCDF	2.22e5	0.52	NO	0.96	10.344	34.54	1.011	225	117	0.532	
31	13C-1,2,3,7,8,9-HxCDF	1.97e5	0.52	NO	0.87	10.344	35.66	1.044	229	114	0.587	
32	13C-1,2,3,4,6,7,8-HpCDF	1.77e5	0.43	NO	0.79	10.344	37.24	1.090	217	112	0.660	
33	13C-1,2,3,4,7,8,9-HpCDF	1.23e5	0.43	NO	0.59	10.344	39.20	1.147	204	106	0.894	
34	13C-OCDF	2.33e5	0.86	NO	0.71	10.344	42.42	1.242	320	82.9	0.403	
35	37Cl-2,3,7,8-TCDD	8.56e4			1.11	10.344	27.09	1.025	73.3	101	0.0561	
36	13C-1,2,3,4-TCDD	1.91e5	0.77	NO	1.00	10.344	26.43	1.000	193	100	0.324	
37	13C-1,2,3,4-TCDF	3.07e5	0.76	NO	1.00	10.344	25.23	1.000	193	100	0.265	
38	13C-1,2,3,4,6,9-HxCDF	1.99e5	0.52	NO	1.00	10.344	34.17	1.000	193	100	0.511	
39	Total Tetra-Dioxins				1.00	10.344			2.98		0.0563	5.62
40	Total Penta-Dioxins				0.96	10.344			6.95		0.0906	9.23
41	Total Hexa-Dioxins				1.04	10.344			26.3		0.448	28.3





	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
34	13C-OCDF	2.33e5	0.88	NO	0.71	10.344	42.42	1.242	320	82.8	0.483	
35	37Cl-2,3,7,8-TCDD	8.58e4			1.11	10.344	27.09	1.025	78.3	101	0.0551	
36	13C-1,2,3,4-TCDD	1.91e5	0.77	NO	1.00	10.344	26.43	1.000	193	100	0.324	
37	13C-1,2,3,4-TCDF	3.67e5	0.78	NO	1.00	10.344	25.23	1.000	193	100	0.269	
38	13C-1,2,3,4,6,9-HxCDF	1.96e5	0.52	NO	1.00	10.344	34.17	1.000	193	100	0.511	
39	Total Tetra-Dioxins				1.00	10.344			2.78		0.0583	4.97
40	Total Penta-Dioxins				0.96	10.344			7.16		0.0906	9.38
41	Total Hexa-Dioxins				1.04	10.344			26.2		0.448	26.2
42	Total Hepta-Dioxins				1.05	10.344			117		0.741	117
43	Total Tetra-Furans				0.99	10.344			56.1		0.0811	58.9
44	1st Func. Penta-Furans				1.02	10.344			18.3		0.0266	18.3
45	Total Penta-Furans				1.02	10.344			38.7		0.129	39.9
46	Total Hexa-Furans				1.13	10.344			50.4		0.166	50.7
47	Total Hepta-Furans				1.11	10.344			74.7		0.276	74.7
48	PFK1											
49	PFK2											
50	PFK3											
51	PFK4											
52	PFK5											



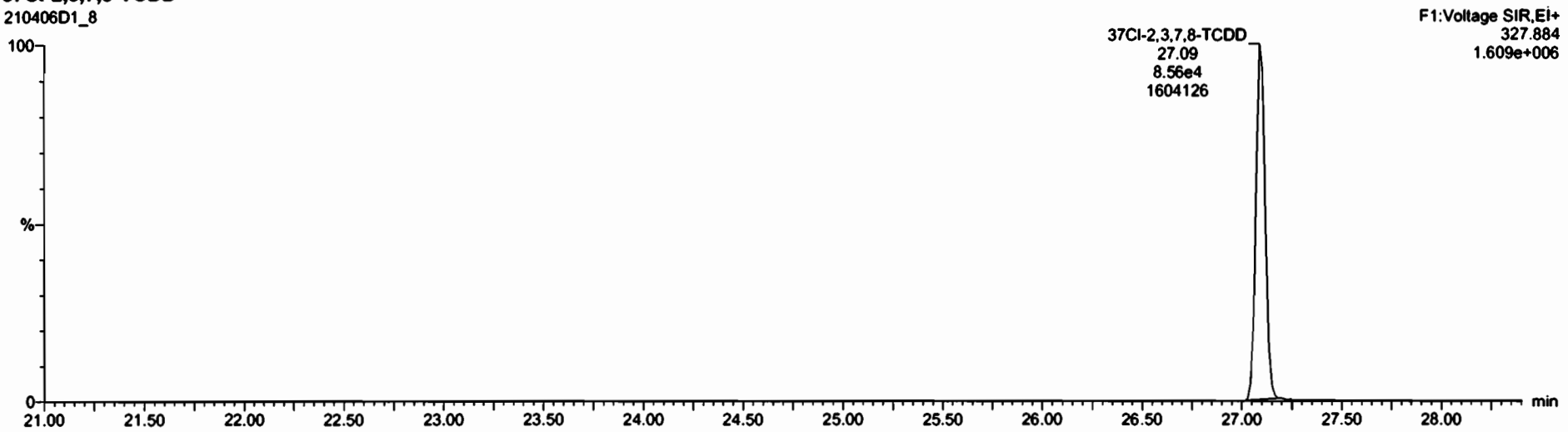
	Name	Resp	RA	n/y	RRF	Wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
34	13C-OCDF	2.33e5	0.88	NO	0.71	10.344	42.42	1.242	320	82.8	0.493	
35	37Cl-2,3,7,8-TCDD	8.56e4			1.11	10.344	27.09	1.025	78.3	101	0.0551	
36	13C-1,2,3,4-TCDD	1.91e5	0.77	NO	1.00	10.344	26.43	1.000	193	100	0.324	
37	13C-1,2,3,4-TCDF	3.87e5	0.78	NO	1.00	10.344	25.23	1.000	193	100	0.269	
38	13C-1,2,3,4,6,9-HxCDF	1.98e5	0.52	NO	1.00	10.344	34.17	1.000	193	100	0.511	
39	Total Tetra-Dioxins				1.00	10.344			2.98		0.0563	5.08
40	Total Penta-Dioxins				0.96	10.344			7.16		0.0986	9.38
41	Total Hexa-Dioxins				1.04	10.344			26.2		0.448	26.2
42	Total Hepta-Dioxins				1.06	10.344			117		0.741	117
43	Total Tetra-Furans				0.99	10.344			56.1		0.0611	58.9
44	1st Func. Penta-Furans				1.02	10.344			18.3		0.0266	18.3
45	Total Penta-Furans				1.02	10.344			36.7		0.129	39.9
46	Total Hexa-Furans				1.13	10.344			50.4		0.166	50.7
47	Total Hepta-Furans				1.11	10.344			74.7		0.276	74.7
48	PFK1											
49	PFK2											
50	PFK3											
51	PFK4											
52	PFK5											

Dataset: Untitled

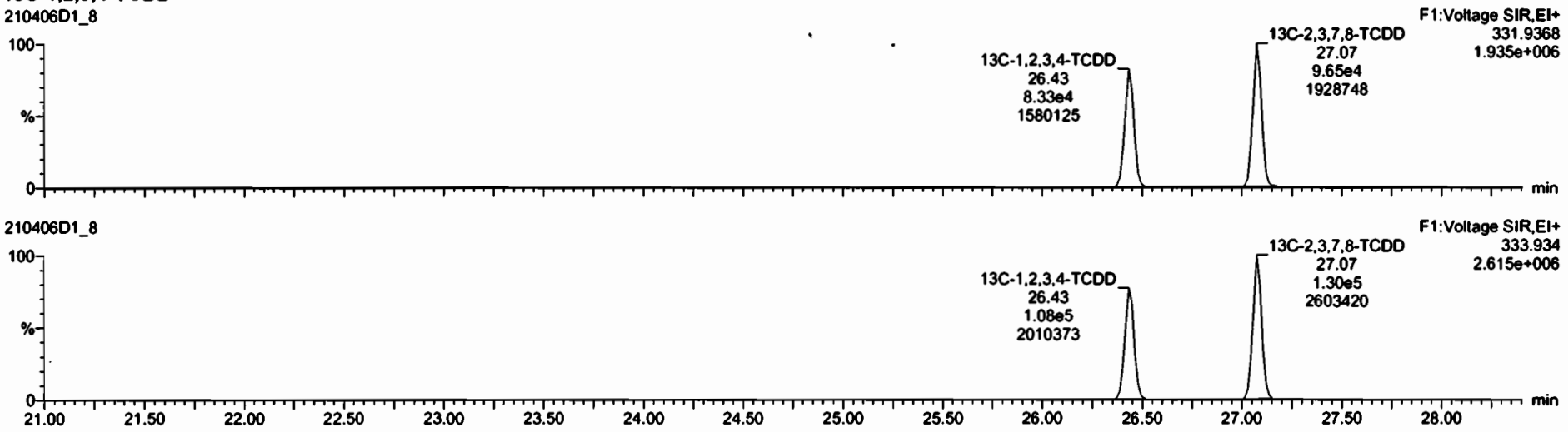
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_8, Date: 06-Apr-2021, Time: 13:44:08, ID: 2103216-02 USMPDI-058RAB-10-20-210317 12.32, Description: USMPDI-058RAB-10-20-210317

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



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



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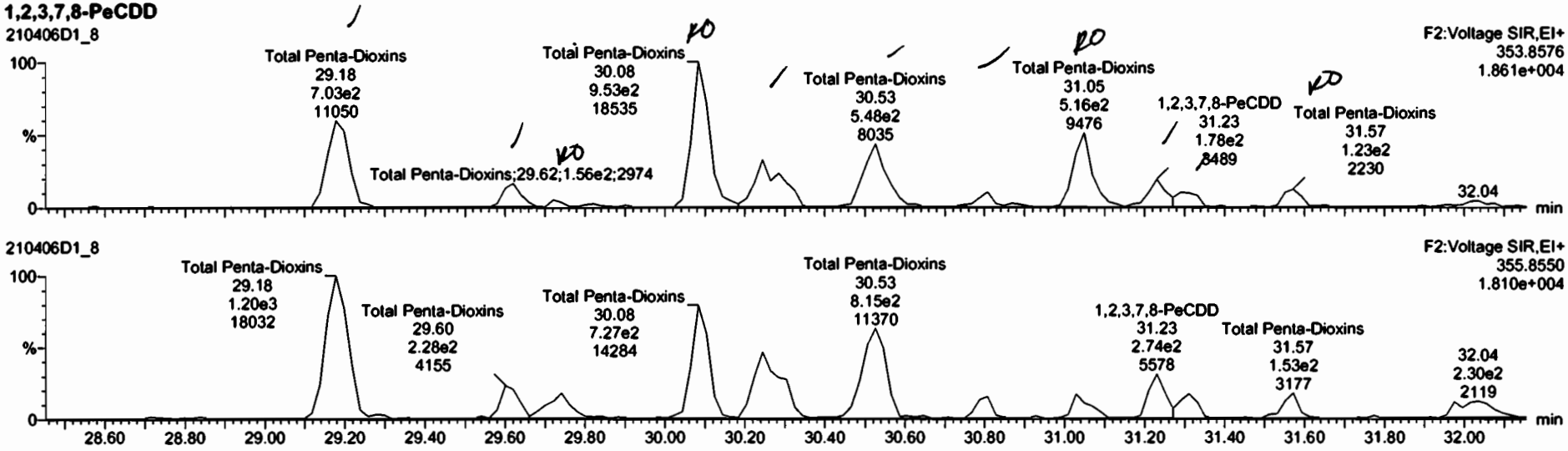
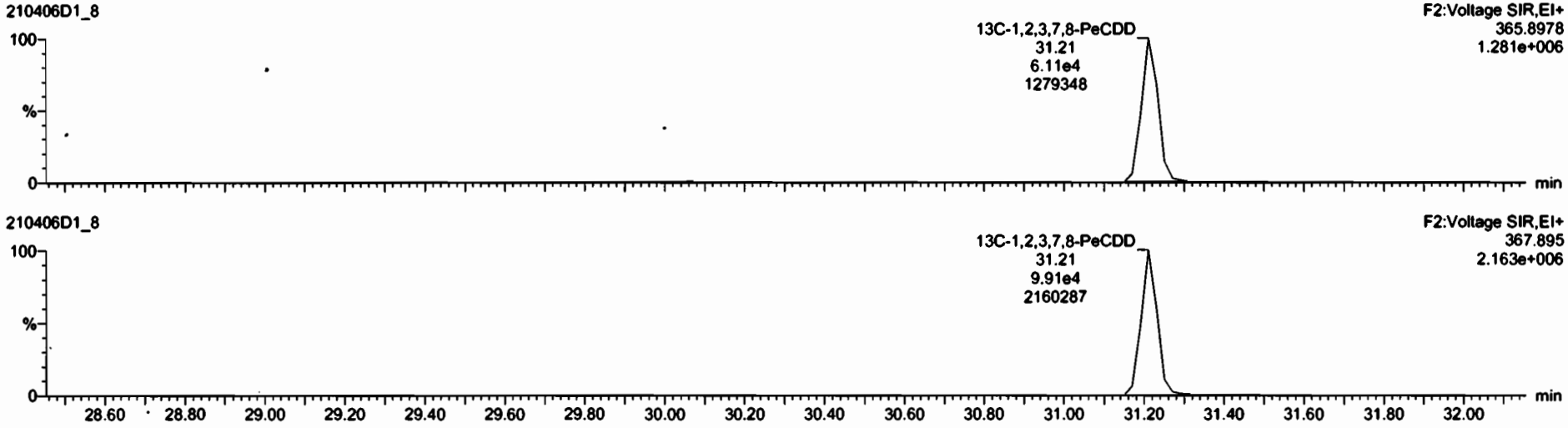
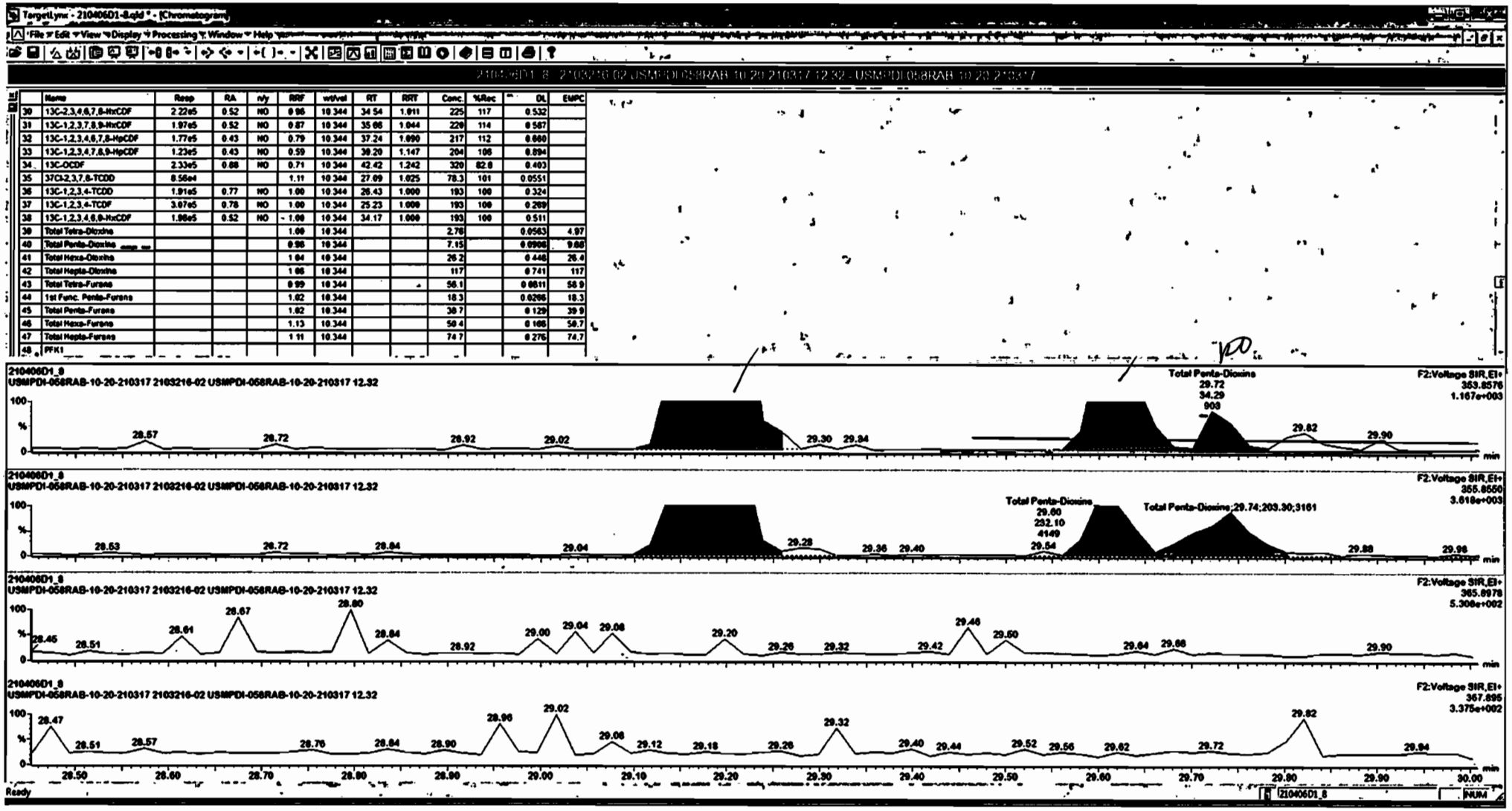
Name: 210406D1_8, Date: 06-Apr-2021, Time: 13:44:08, ID: 2103216-02 USMPDI-058RAB-10-20-210317 12.32, Description: USMPDI-058RAB-10-20-210317

1,2,3,7,8-PeCDD



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



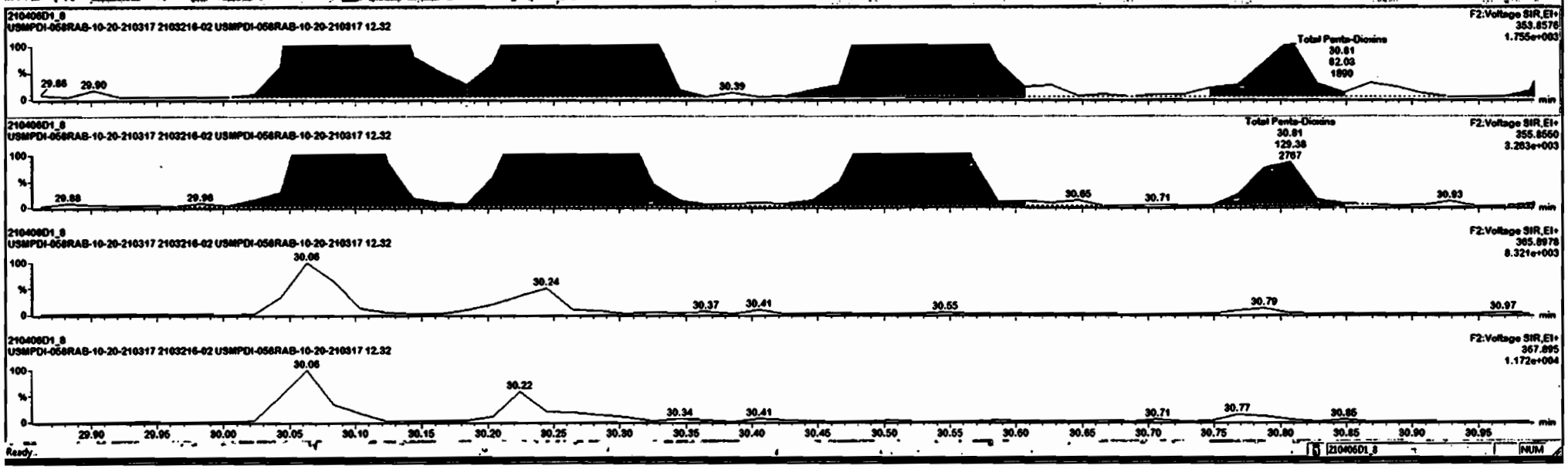

TargetLynx - 210406D1-8.qld * - [Chromatogram]
File Edit View Display Processing Window Help
210406D1_8 2103216-02,USMPDI-056RAB-10-20-210317 12.32 - USMPDI-056RAB-10-20-210317
Name Resp RA n/y RRF wt/val RT RRT Conc. %Rec DL EMPC
30 13C-2,3,4,6,7,8-HxCDF 2.22e5 0.52 NO 0.96 10.344 34.54 1.011 225 117 0.532
31 13C-1,2,3,7,8,9-HxCDF 1.97e5 0.52 NO 0.87 10.344 35.66 1.044 220 114 0.587
32 13C-1,2,3,4,6,7,8-HpCDF 1.77e5 0.43 NO 0.79 10.344 37.24 1.090 217 112 0.660
33 13C-1,2,3,4,7,8,9-HpCDF 1.23e5 0.43 NO 0.59 10.344 39.20 1.147 204 106 0.894
34 13C-OCDF 2.33e5 0.88 NO 0.71 10.344 42.42 1.242 320 82.8 0.403
35 37Cl-2,3,7,8-TCDD 8.56e4 1.11 10.344 27.09 1.025 78.3 101 0.0551
36 13C-1,2,3,4-TCDD 1.91e5 0.77 NO 1.00 10.344 26.43 1.000 193 100 0.324
37 13C-1,2,3,4-TCDF 3.07e5 0.78 NO 1.00 10.344 25.23 1.000 193 100 0.269
38 13C-1,2,3,4,6,9-HxCDF 1.98e5 0.52 NO 1.00 10.344 34.17 1.000 193 100 0.511
39 Total Tetra-Dioxins 1.00 10.344 2.78 0.0563 4.97
40 Total Penta-Dioxins 0.98 10.344 7.15 0.0998 9.86
41 Total Hexa-Dioxins 1.04 10.344 26.2 0.448 26.4
42 Total Hepta-Dioxins 1.06 10.344 117 0.741 117
43 Total Tetra-Furans 0.99 10.344 56.1 0.0611 58.9
44 1st Func. Penta-Furans 1.02 10.344 18.3 0.0206 18.3
45 Total Penta-Furans 1.02 10.344 38.7 0.129 39.9
46 Total Hexa-Furans 1.13 10.344 58.4 0.166 58.7
47 Total Hepta-Furans 1.11 10.344 74.7 0.276 74.7
48 PFK1
210406D1_8
USMPDI-056RAB-10-20-210317 2103216-02 USMPDI-056RAB-10-20-210317 12.32
Total Penta-Dioxins
29.72
34.29
903
F2:Voltage SIR,EI+
353.8576
1.167e+003
28.57 28.72 28.92 29.02 29.30 29.34 29.82 29.90
F2:Voltage SIR,EI+
355.8550
3.618e+003
Total Penta-Dioxins
29.60
232.10
4149
Total Penta-Dioxins;29.74;203.30;3161
28.53 28.72 28.84 29.04 29.28 29.36 29.40 29.54 29.88 29.96
F2:Voltage SIR,EI+
365.8978
5.308e+002
28.45 28.51 28.61 28.67 28.80 28.84 28.92 29.00 29.04 29.08 29.20 29.26 29.32 29.42 29.46 29.50 29.64 29.66 29.90
F2:Voltage SIR,EI+
367.895
3.375e+002
28.47 28.51 28.57 28.76 28.84 28.90 28.96 29.02 29.06 29.12 29.18 29.26 29.32 29.40 29.44 29.52 29.56 29.62 29.72 29.82 29.94
28.50 28.60 28.70 28.80 28.90 29.00 29.10 29.20 29.30 29.40 29.50 29.60 29.70 29.80 29.90 30.00
Ready
I210406D1_8
NUM

TargetLynx - 210406D1-8.qld * - [Chromatogram]

File Edit View Display Processing Window Help

210406D1_8 - 2103216-02 USMPDI-058RAB-10-20-210317 12.32 - USMPDI-058RAB-10-20-210317

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
40	Total Penta-Dioxins				0.96	10.344			7.16		0.0906	9.70
41	Total Hexa-Dioxins				1.04	10.344			26.2		0.448	26.4
42	Total Hepta-Dioxins				1.06	10.344			117		0.741	117
43	Total Tetra-Furans				0.99	10.344			56.1		0.0811	58.9
44	1st Func. Penta-Furans				1.02	10.344			18.3		0.0286	18.3
45	Total Penta-Furans				1.02	10.344			38.7		0.129	39.9
46	Total Hexa-Furans				1.13	10.344			50.4		0.166	50.7
47	Total Hepta-Furans				1.11	10.344			74.7		0.276	74.7
48	PFK1											
49	PFK2											
50	PFK3											
51	PFK4											
52	PFK5											
53	DPE1											
54	DPE2											
55	DPE3											
56	DPE4											
57	DPE5											
58	DPE6											

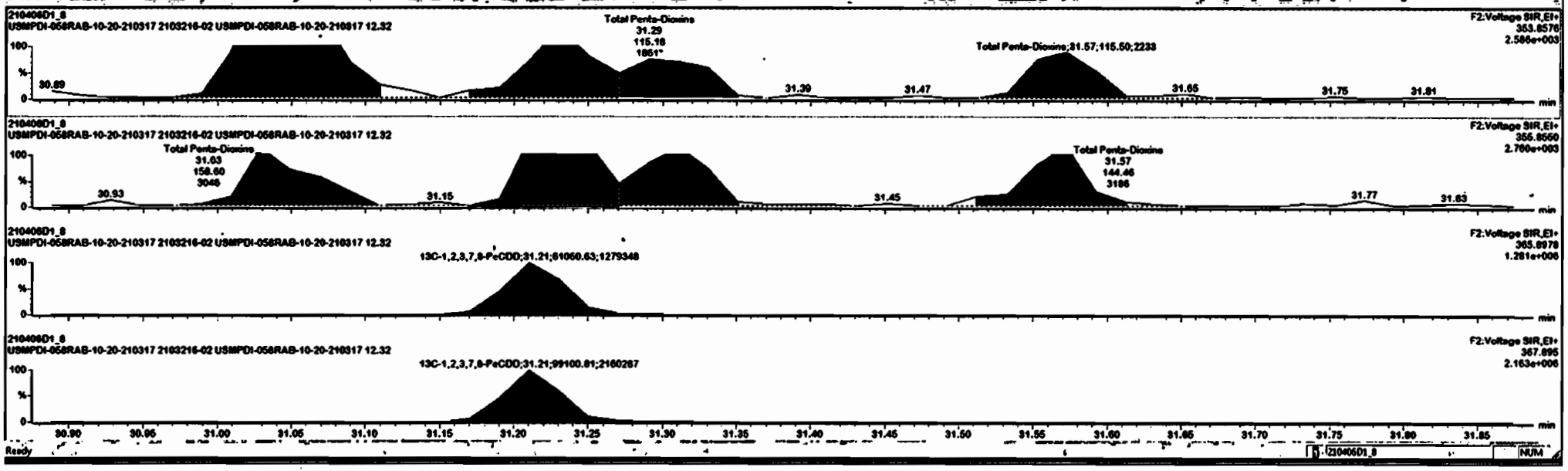


TargetLynx - 210406D1-8.qld * - [Chromatogram]

File Edit View Display Processing Window Help

210406D1_8 - 2103216-02 USMPDI-058RAB-10-20-210317 12.32 USMPDI-058RAB-10-20-210317

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
40	Total Penta-Dioxins				0.96	10.344			7.16		0.0986	9.38
41	Total Hexa-Dioxins				1.04	10.344			26.2		0.448	26.4
42	Total Hepta-Dioxins				1.06	10.344			117		0.741	117
43	Total Tetra-Furans				0.99	10.344			56.1		0.0811	56.9
44	1st Func. Penta-Furans				1.02	10.344			18.3		0.0266	18.3
45	Total Penta-Furans				1.02	10.344			38.7		0.129	39.9
46	Total Hexa-Furans				1.13	10.344			50.4		0.166	50.7
47	Total Hepta-Furans				1.11	10.344			74.7		0.276	74.7
48	PFK1											
49	PFK2											
50	PFK3											
51	PFK4											
52	PFK5											
53	DPE1											
54	DPE2											
55	DPE3											
56	DPE4											
57	DPE5											
58	DPE6											



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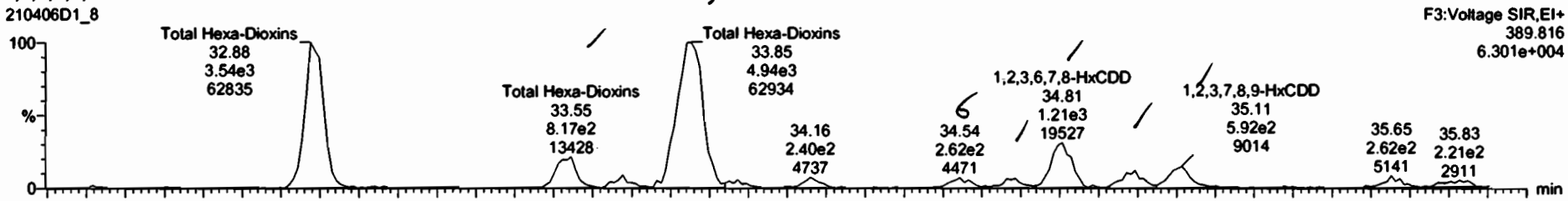
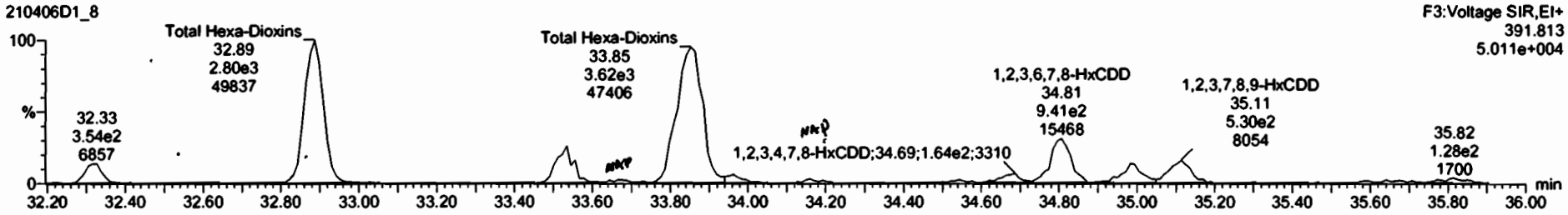
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

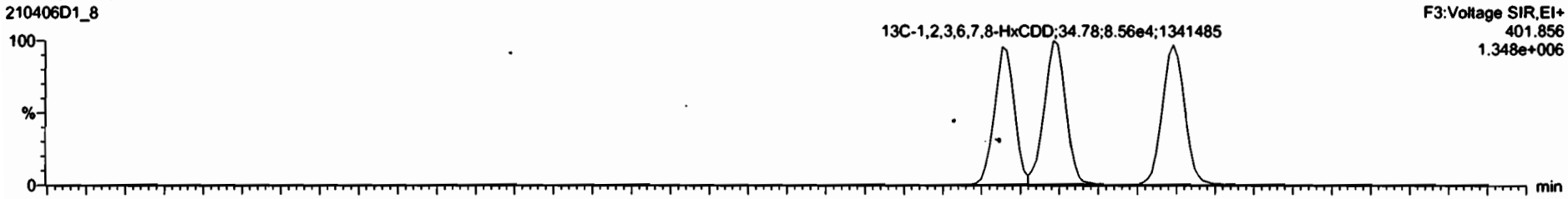
Name: 210406D1_8, Date: 06-Apr-2021, Time: 13:44:08, ID: 2103216-02 USMPDI-058RAB-10-20-210317 12.32, Description: USMPDI-058RAB-10-20-210317

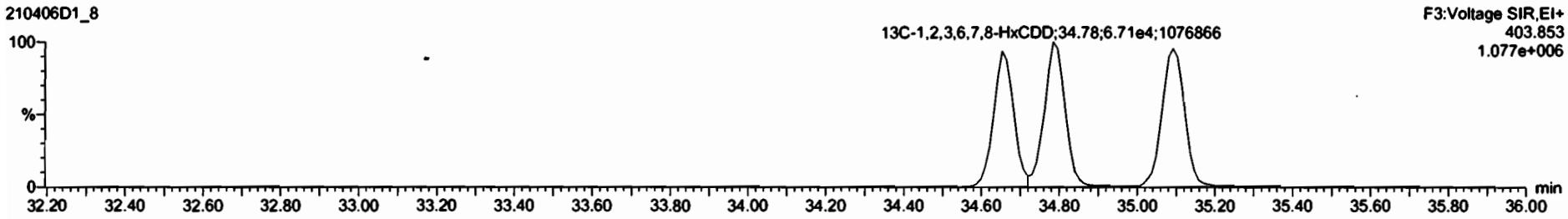
1,2,3,4,7,8-HxCDD

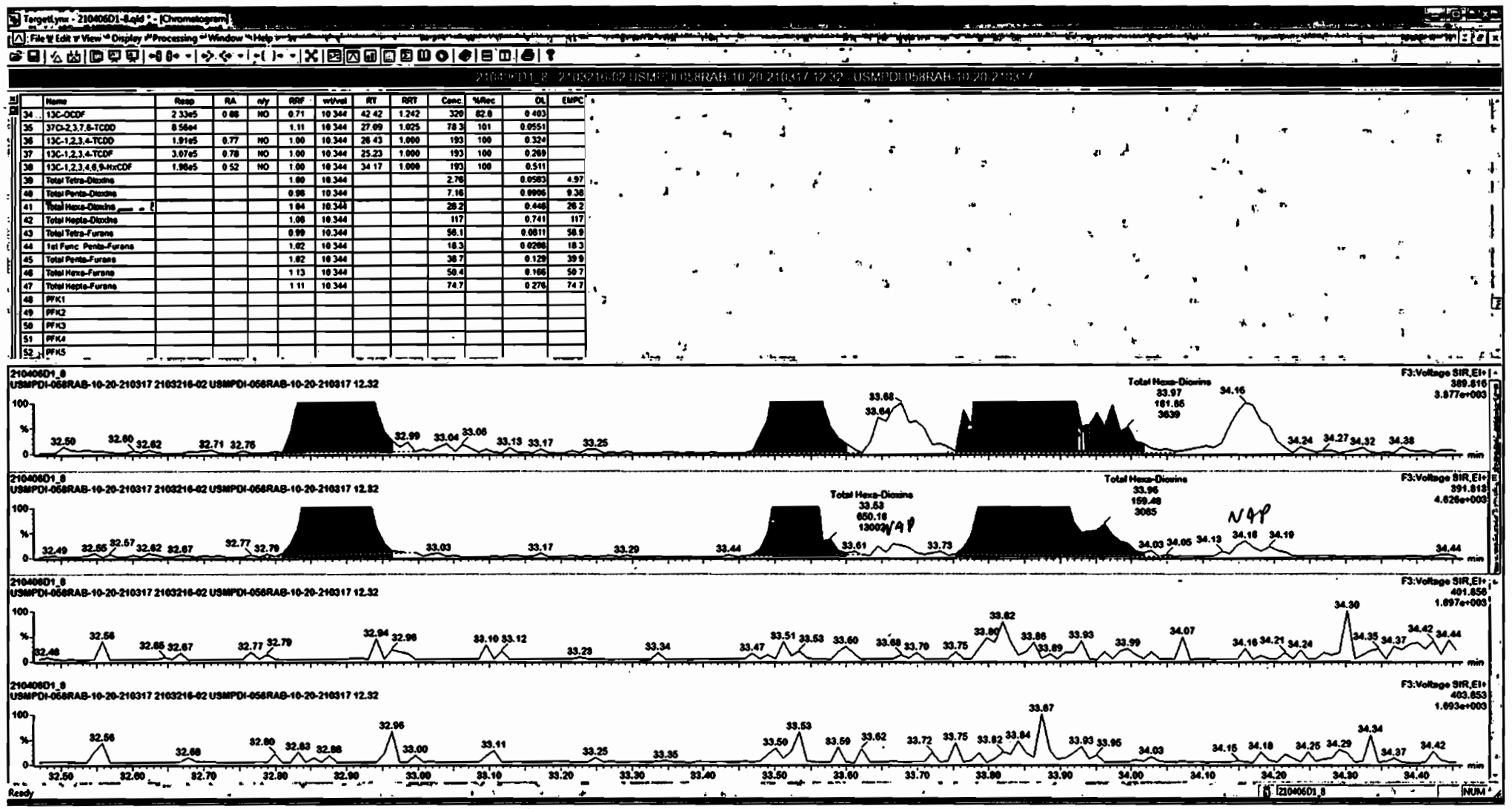




13C-1,2,3,4,7,8-HxCDD






TargetLynx - 210406D1-8.qld * - [Chromatogram]
File Edit View Display Processing Window Help
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Name Resp RA n/y RRF wt/vol RT RRT Conc. %Rec DL EMPC
34 13C-OCDF 2.33e5 0.88 NO 0.71 10.344 42.42 1.242 329 82.8 0.403
35 37Cl-2,3,7,8-TCDD 8.56e4 1.11 10.344 27.69 1.025 78.3 101 0.0551
36 13C-1,2,3,4-TCDD 1.91e5 0.77 NO 1.00 10.344 26.43 1.000 193 100 0.324
37 13C-1,2,3,4-TCDF 3.07e5 0.78 NO 1.00 10.344 25.23 1.000 193 100 0.269
38 13C-1,2,3,4,6,9-HxCDF 1.98e5 0.52 NO 1.00 10.344 34.17 1.000 193 100 0.511
39 Total Tetra-Dioxins 1.00 10.344 2.76 0.0563 4.97
40 Total Penta-Dioxins 0.96 10.344 7.16 0.0906 9.36
41 Total Hexa-Dioxins 1.04 10.344 26.2 0.446 26.2
42 Total Hepta-Dioxins 1.06 10.344 117 0.741 117
43 Total Tetra-Furans 0.99 10.344 56.1 0.0811 58.9
44 1st Func Penta-Furans 1.02 10.344 18.3 0.0266 18.3
45 Total Penta-Furans 1.02 10.344 38.7 0.129 39.9
46 Total Hexa-Furans 1.13 10.344 50.4 0.166 50.7
47 Total Hepta-Furans 1.11 10.344 74.7 0.276 74.7
48 PFK1
49 PFK2
50 PFK3
51 PFK4
52 PFK5
210406D1_8
USMPDI-058RAB-10-20-210317 2103216-02 USMPDI-058RAB-10-20-210317 12.32
F3:Voltage SIR,EI+
389.816
3.877e+003
Total Hexa-Dioxins
33.97
161.85
3639
33.68
33.84
34.16
32.50 32.60 32.62 32.71 32.76 32.99 33.04 33.06 33.13 33.17 33.25 34.24 34.27 34.32 34.38
min
210406D1_8
USMPDI-058RAB-10-20-210317 2103216-02 USMPDI-058RAB-10-20-210317 12.32
F3:Voltage SIR,EI+
391.813
4.626e+003
Total Hexa-Dioxins
33.96
159.49
3065
Total Hexa-Dioxins
33.63
650.16
13003
N49
N49
32.49 32.55 32.57 32.62 32.67 32.77 32.79 33.03 33.17 33.29 33.44 33.61 33.73 34.03 34.05 34.13 34.18 34.19 34.44
min
210406D1_8
USMPDI-058RAB-10-20-210317 2103216-02 USMPDI-058RAB-10-20-210317 12.32
F3:Voltage SIR,EI+
401.856
1.897e+003
32.48 32.56 32.65 32.67 32.77 32.79 32.94 32.96 33.10 33.12 33.28 33.34 33.47 33.51 33.53 33.60 33.68 33.70 33.75 33.80 33.82 33.86 33.89 33.93 33.99 34.07 34.16 34.21 34.24 34.30 34.35 34.37 34.42 34.44
min
210406D1_8
USMPDI-058RAB-10-20-210317 2103216-02 USMPDI-058RAB-10-20-210317 12.32
F3:Voltage SIR,EI+
403.853
1.893e+003
32.56 32.68 32.80 32.83 32.86 32.96 33.00 33.11 33.25 33.35 33.50 33.53 33.59 33.62 33.72 33.75 33.82 33.84 33.87 33.93 33.95 34.03 34.15 34.18 34.25 34.29 34.34 34.37 34.42
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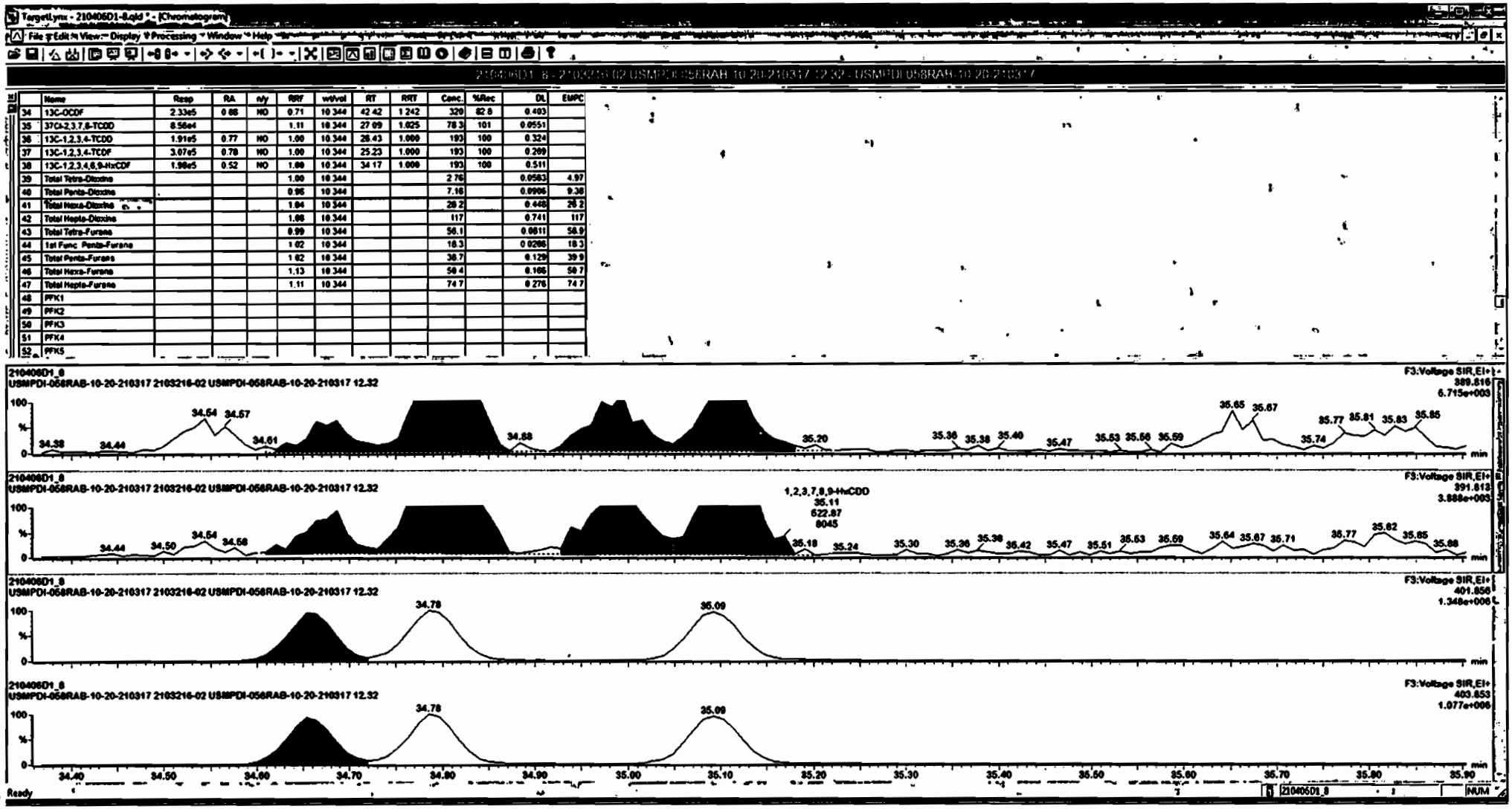
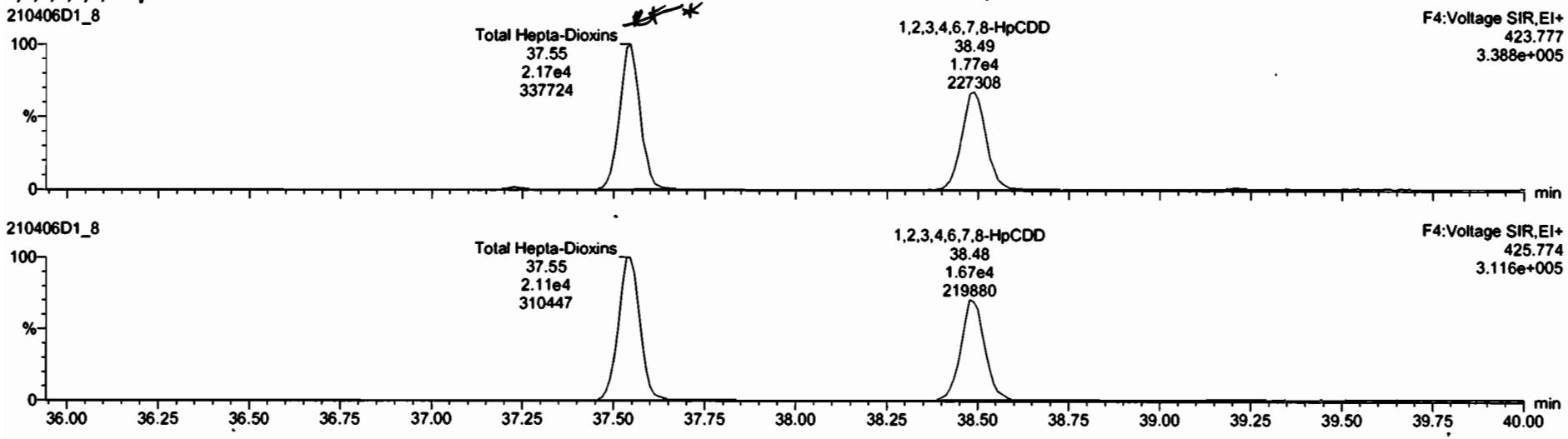


	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
34	13C-OCDF	2.33e5	0.88	NO	0.71	10 344	42 42	1 242	320	82 8	0.403	
35	37Cl-2,3,7,8-TCDD	8.56e4			1.11	10 344	27 09	1.025	78 3	101	0.0551	
36	13C-1,2,3,4-TCDD	1.91e5	0.77	NO	1.00	10 344	26.43	1.000	193	100	0.324	
37	13C-1,2,3,4-TCDF	3.07e5	0.78	NO	1.00	10 344	25.23	1.000	193	100	0.269	
38	13C-1,2,3,4,6,9-HxCDF	1.98e5	0.52	NO	1.00	10 344	34 17	1.000	193	100	0.511	
39	Total Tetra-Dioxins				1.00	10 344			2 76		0.0583	4.97
40	Total Penta-Dioxins				0.95	10 344			7.16		0.0906	9.38
41	Total Hexa-Dioxins				1.04	10 344			28 2		0.448	28 2
42	Total Hepta-Dioxins				1.06	10 344			117		0.741	117
43	Total Tetra-Furans				0.99	10 344			56.1		0.0611	58.9
44	1st Func Penta-Furans				1 02	10 344			18 3		0 0286	18 3
45	Total Penta-Furans				1 02	10 344			38.7		0.129	39 9
46	Total Hexa-Furans				1.13	10 344			56 4		0.166	56 7
47	Total Hepta-Furans				1.11	10 344			74 7		0 276	74 7
48	PFK1											
49	PFK2											
50	PFK3											
51	PFK4											
52	PFK5											

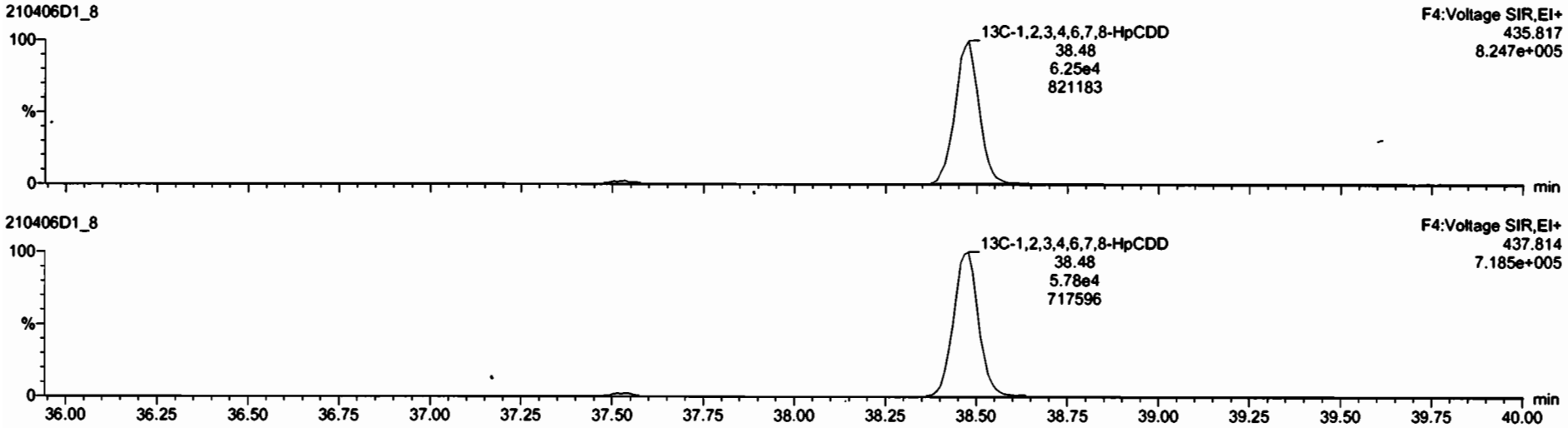
*DF 04/21/21

Name: 210406D1_8, Date: 06-Apr-2021, Time: 13:44:08, ID: 2103216-02 USMPDI-058RAB-10-20-210317 12.32, Description: USMPDI-058RAB-10-20-210317

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



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

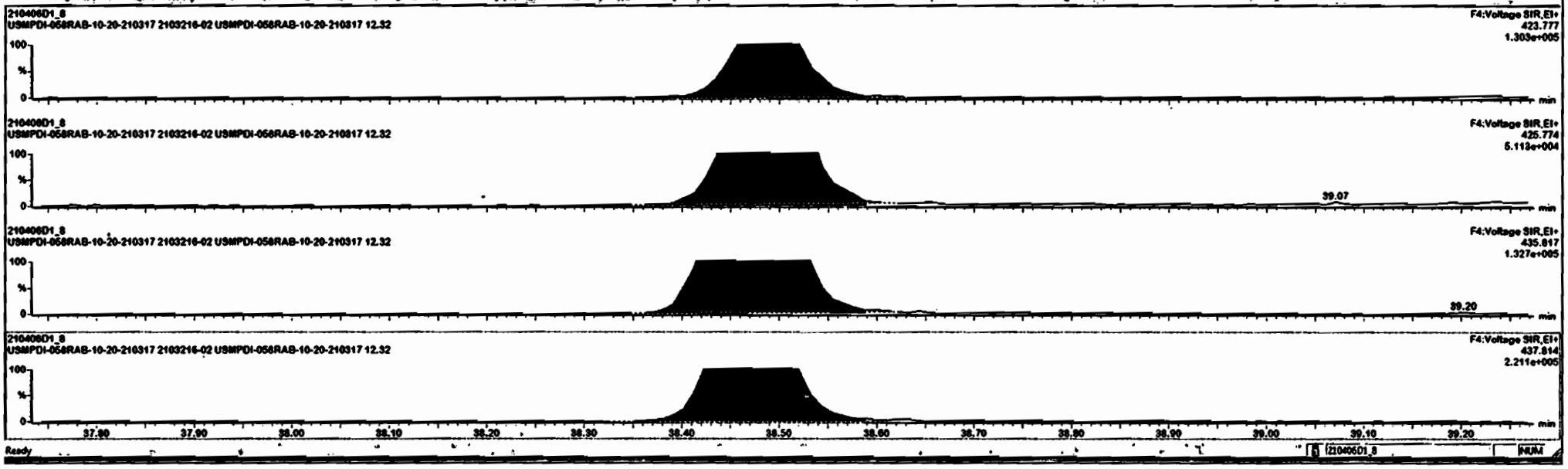


TargetLynx - 210406D1-8.qld * - [Chromatogram]

File Edit View Display Processing Window Help

210406D1_8 - 2103216-02 USMPDI-058RAB-10-20-210317 12.32 - USMPDI-058RAB-10-20-210317

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
34	13C-OCDF	2.33e5	0.88	NO	0.71	10.344	42.42	1.242	320	82.8	0.403	
35	37Cl-2,3,7,8-TCDD	8.56e4			1.11	10.344	27.09	1.025	78.3	101	0.0551	
36	13C-1,2,3,4-TCDD	1.91e5	0.77	NO	1.00	10.344	26.43	1.000	193	100	0.324	
37	13C-1,2,3,4-TCDF	3.07e5	0.78	NO	1.00	10.344	25.23	1.000	193	100	0.269	
38	13C-1,2,3,4,6,9-HxCDF	1.98e5	0.52	NO	1.00	10.344	34.17	1.000	193	100	0.511	
39	Total Tetra-Dioxins				1.00	10.344			2.76		0.0563	4.97
40	Total Penta-Dioxins				0.96	10.344			7.16		0.0996	9.36
41	Total Hexa-Dioxins				1.04	10.344			26.2		0.448	26.2
42	Total Hepta-Dioxins				1.08	10.344			117		0.741	117
43	Total Tetra-Furans				0.99	10.344			56.1		0.0611	58.9
44	1st Func. Penta-Furans				1.02	10.344			18.3		0.0288	18.3
45	Total Penta-Furans				1.02	10.344			36.7		0.129	39.9
46	Total Hexa-Furans				1.13	10.344			50.4		0.166	50.7
47	Total Hepta-Furans				1.11	10.344			74.7		0.276	74.7
48	PFK1											
49	PFK2											
50	PFK3											
51	PFK4											
52	PFK5											



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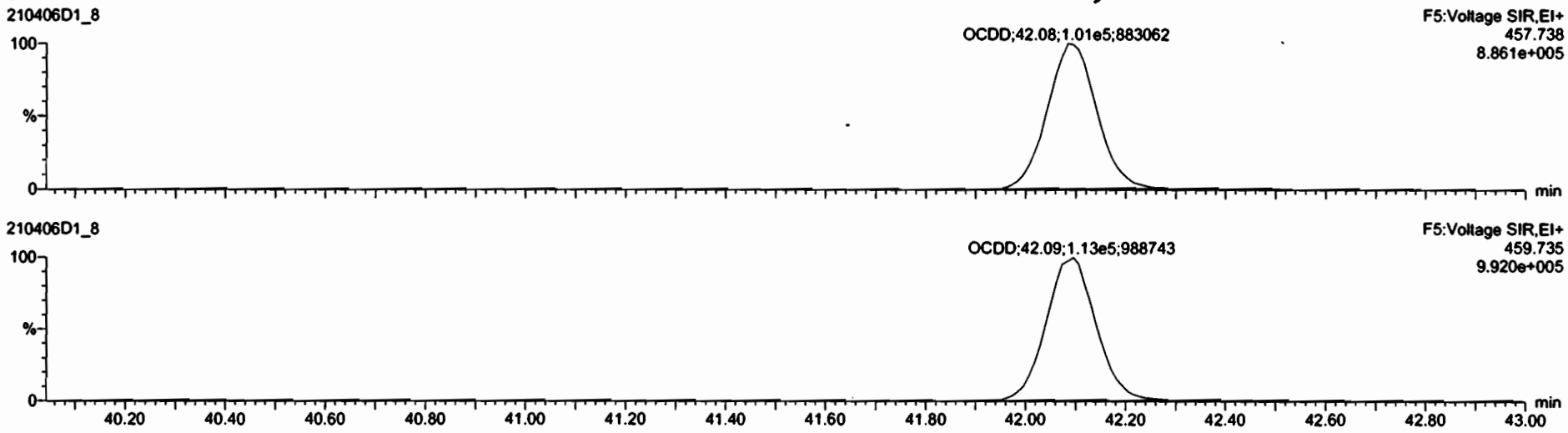
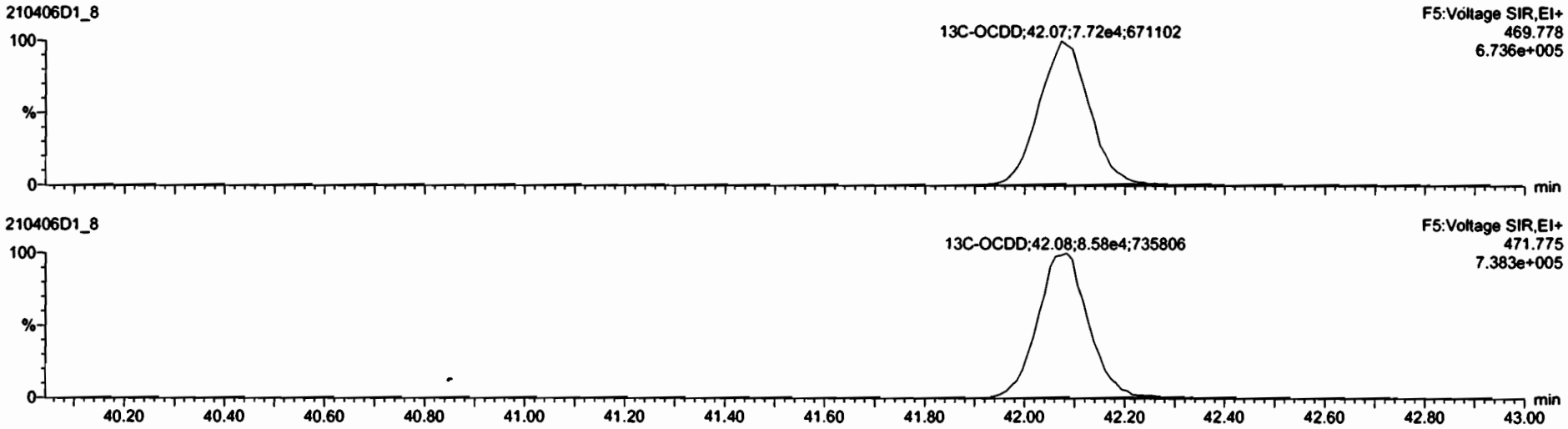
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_8, Date: 06-Apr-2021, Time: 13:44:08, ID: 2103216-02 USMPDI-058RAB-10-20-210317 12.32, Description: USMPDI-058RAB-10-20-210317

OCDD



13C-OCDD



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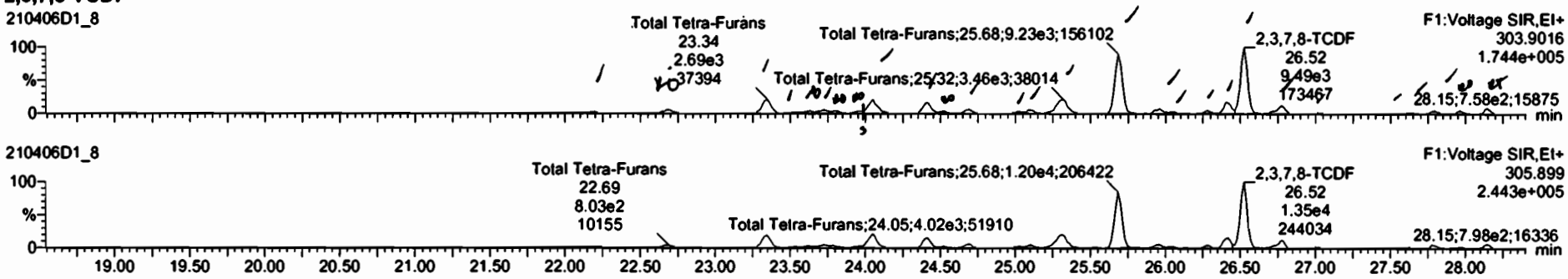
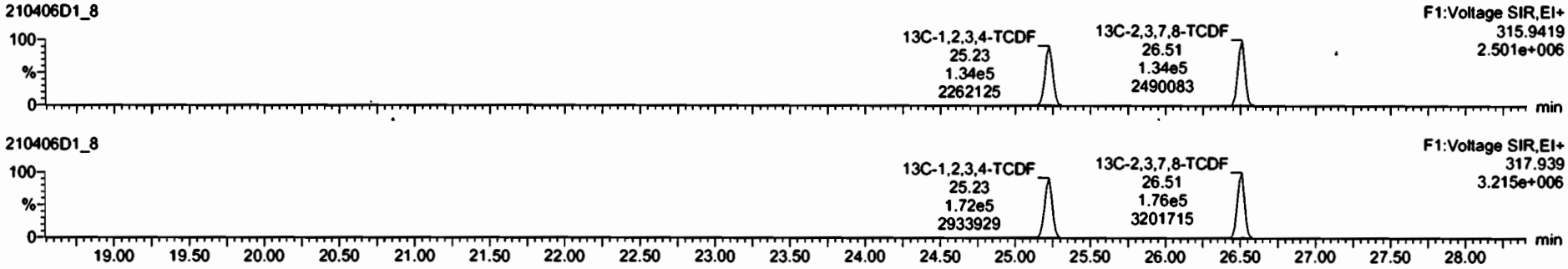
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_8, Date: 06-Apr-2021, Time: 13:44:08, ID: 2103216-02 USMPDI-058RAB-10-20-210317 12.32, Description: USMPDI-058RAB-10-20-210317

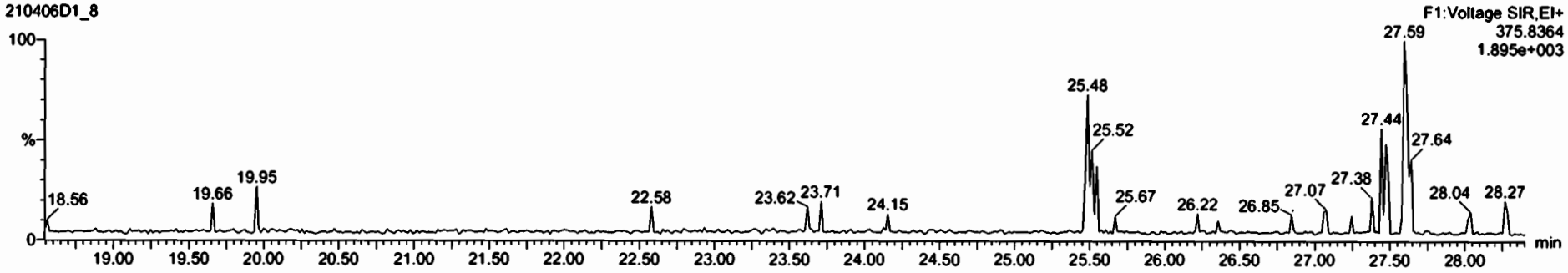
2,3,7,8-TCDF

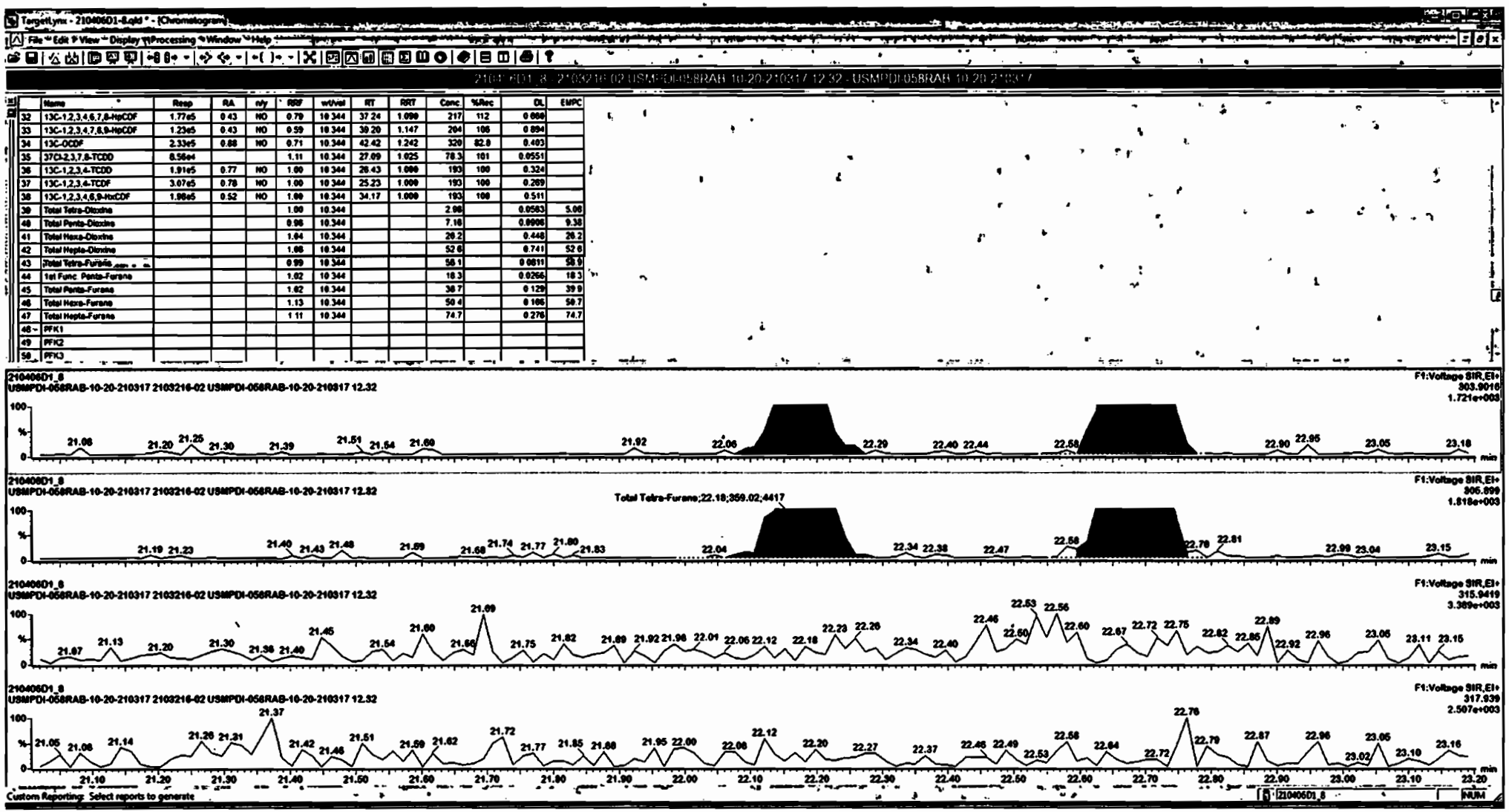


13C-2,3,7,8-TCDF

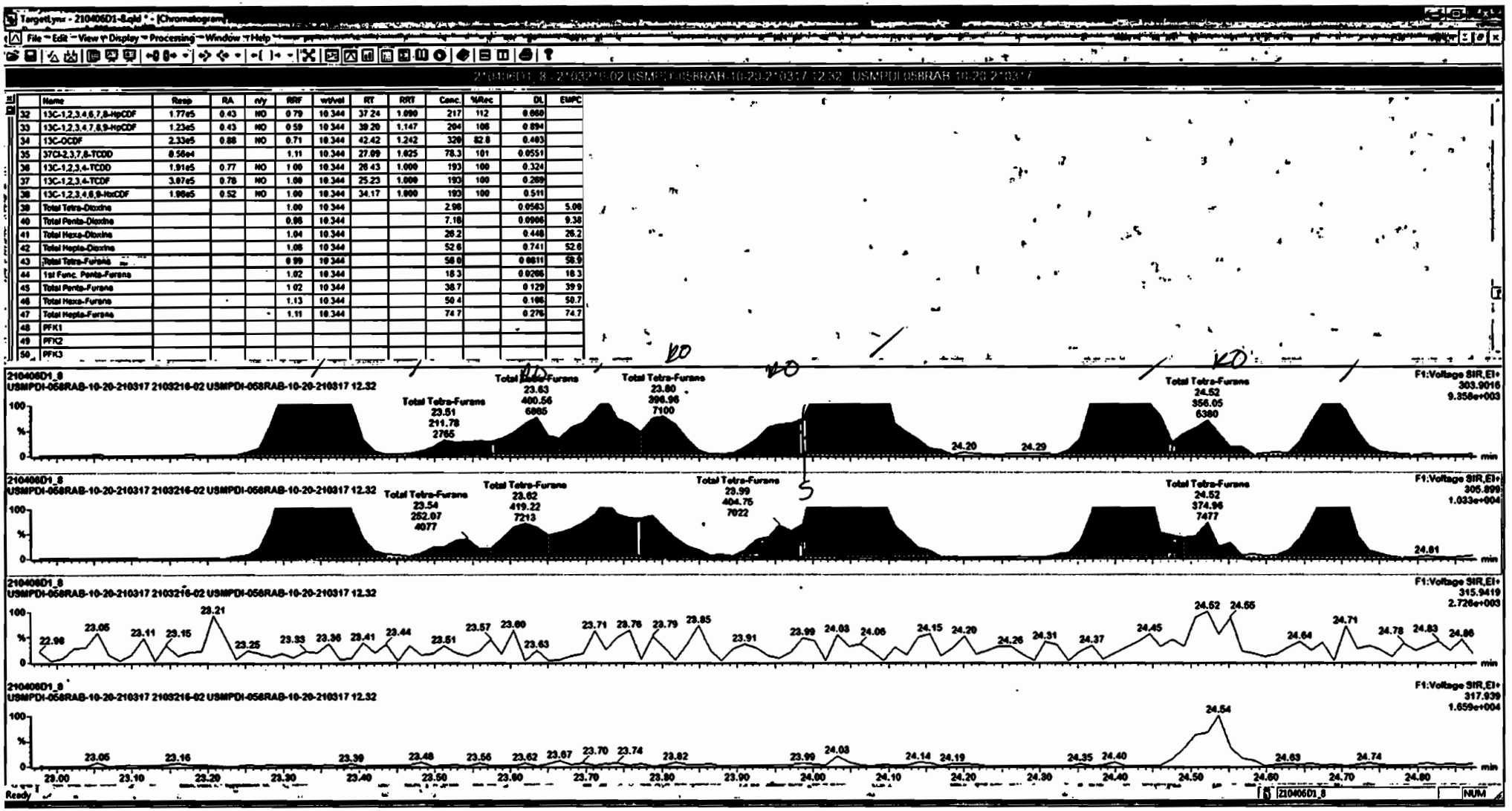


DPE1





	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	1.77e5	0.43	NO	0.79	10.344	37.24	1.000	217	112	0.666	
33	13C-1,2,3,4,7,8,9-HpCDF	1.23e5	0.43	NO	0.59	10.344	39.20	1.147	204	106	0.894	
34	13C-OCDF	2.33e5	0.88	NO	0.71	10.344	42.42	1.242	329	82.8	0.403	
35	37Cl-2,3,7,8-TCDD	8.56e4			1.11	10.344	27.09	1.025	78.3	101	0.0551	
36	13C-1,2,3,4-TCDD	1.91e5	0.77	NO	1.00	10.344	26.43	1.000	193	100	0.324	
37	13C-1,2,3,4-TCDF	3.07e5	0.78	NO	1.00	10.344	25.23	1.000	193	100	0.269	
38	13C-1,2,3,4,6,9-HxCDF	1.98e5	0.52	NO	1.00	10.344	34.17	1.000	193	100	0.511	
39	Total Tetra-Dioxins				1.00	10.344			2.96		0.0563	5.06
40	Total Penta-Dioxins				0.98	10.344			7.16		0.0906	9.38
41	Total Hexa-Dioxins				1.04	10.344			26.2		0.448	26.2
42	Total Hepta-Dioxins				1.08	10.344			52.6		0.741	52.6
43	Total Tetra-Furans				0.99	10.344			56.1		0.0811	56.9
44	1st Func. Penta-Furans				1.02	10.344			18.3		0.0266	18.3
45	Total Penta-Furans				1.02	10.344			38.7		0.129	39.9
46	Total Hexa-Furans				1.13	10.344			50.4		0.166	56.7
47	Total Hepta-Furans				1.11	10.344			74.7		0.276	74.7
48	PFK1											
49	PFK2											
50	PFK3											


TargetLynx - 210406D1-Sqld * - [Chromatogram]
File Edit View Display Processing Window Help
210406D1_8 : 2103216-02 USMPDI-058RAB-10-20-210317 12.32 USMPDI-058RAB-10-20-210317
Name Resp RA r/y RRF wt/vol RT RRT Conc. %Rec DL EMPC
32 13C-1,2,3,4,6,7,8-HpCDF 1.77e5 0.43 ND 0.79 10.344 37.24 1.090 217 112 0.660
33 13C-1,2,3,4,7,8,9-HpCDF 1.23e5 0.43 ND 0.59 10.344 39.26 1.147 204 106 0.894
34 13C-OCDF 2.33e5 0.88 ND 0.71 10.344 42.42 1.242 329 82.8 0.483
35 37Cl-2,3,7,8-TCDD 8.56e4 1.11 10.344 27.09 1.025 78.3 101 0.0551
36 13C-1,2,3,4-TCDD 1.91e5 0.77 ND 1.00 10.344 26.43 1.000 193 100 0.324
37 13C-1,2,3,4-TCDF 3.97e5 0.78 ND 1.00 10.344 25.23 1.000 193 100 0.209
38 13C-1,2,3,4,6,9-HxCDF 1.96e5 0.52 ND 1.00 10.344 34.17 1.000 193 100 0.511
39 Total Tetra-Dioxins 1.00 10.344 2.98 0.0563 5.08
40 Total Penta-Dioxins 0.96 10.344 7.16 0.0906 9.38
41 Total Hexa-Dioxins 1.04 10.344 26.2 0.448 26.2
42 Total Hepta-Dioxins 1.06 10.344 52.6 0.741 52.6
43 Total Tetra-Furans 0.99 10.344 58.9 0.0811 58.9
44 1st Func. Penta-Furans 1.02 10.344 18.3 0.0266 18.3
45 Total Penta-Furans 1.02 10.344 38.7 0.129 39.9
46 Total Hexa-Furans 1.13 10.344 50.4 0.166 50.7
47 Total Hepta-Furans 1.11 10.344 74.7 0.276 74.7
48 PFK1
49 PFK2
50 PFK3
KD
KD
KD
210406D1_8
USMPDI-058RAB-10-20-210317 2103216-02 USMPDI-058RAB-10-20-210317 12.32
F1:Voltage SIR,EI+
303.9016
9.358e+003
Total Tetra-Furans
23.51
211.78
2765
Total Tetra-Furans
23.63
400.56
6885
Total Tetra-Furans
23.80
396.96
7100
Total Tetra-Furans
24.52
356.05
6380
24.20
24.29
min
210406D1_8
USMPDI-058RAB-10-20-210317 2103216-02 USMPDI-058RAB-10-20-210317 12.32
F1:Voltage SIR,EI+
305.899
1.033e+004
Total Tetra-Furans
23.54
252.07
4077
Total Tetra-Furans
23.62
419.22
7213
Total Tetra-Furans
23.99
404.76
7022
Total Tetra-Furans
24.52
374.96
7477
24.81
min
210406D1_8
USMPDI-058RAB-10-20-210317 2103216-02 USMPDI-058RAB-10-20-210317 12.32
F1:Voltage SIR,EI+
315.9419
2.726e+003
22.98
23.05
23.11
23.15
23.21
23.25
23.33
23.36
23.41
23.44
23.51
23.57
23.60
23.63
23.71
23.76
23.79
23.85
23.91
23.99
24.03
24.06
24.15
24.20
24.26
24.31
24.37
24.45
24.52
24.55
24.64
24.71
24.78
24.83
24.86
min
210406D1_8
USMPDI-058RAB-10-20-210317 2103216-02 USMPDI-058RAB-10-20-210317 12.32
F1:Voltage SIR,EI+
317.939
1.659e+004
23.05
23.16
23.39
23.48
23.56
23.62
23.67
23.70
23.74
23.82
23.99
24.03
24.14
24.19
24.35
24.40
24.54
24.63
24.74
min
29.00
23.10
23.20
23.30
23.40
23.50
23.60
23.70
23.80
23.90
24.00
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24.20
24.30
24.40
24.50
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Ready
210406D1_8
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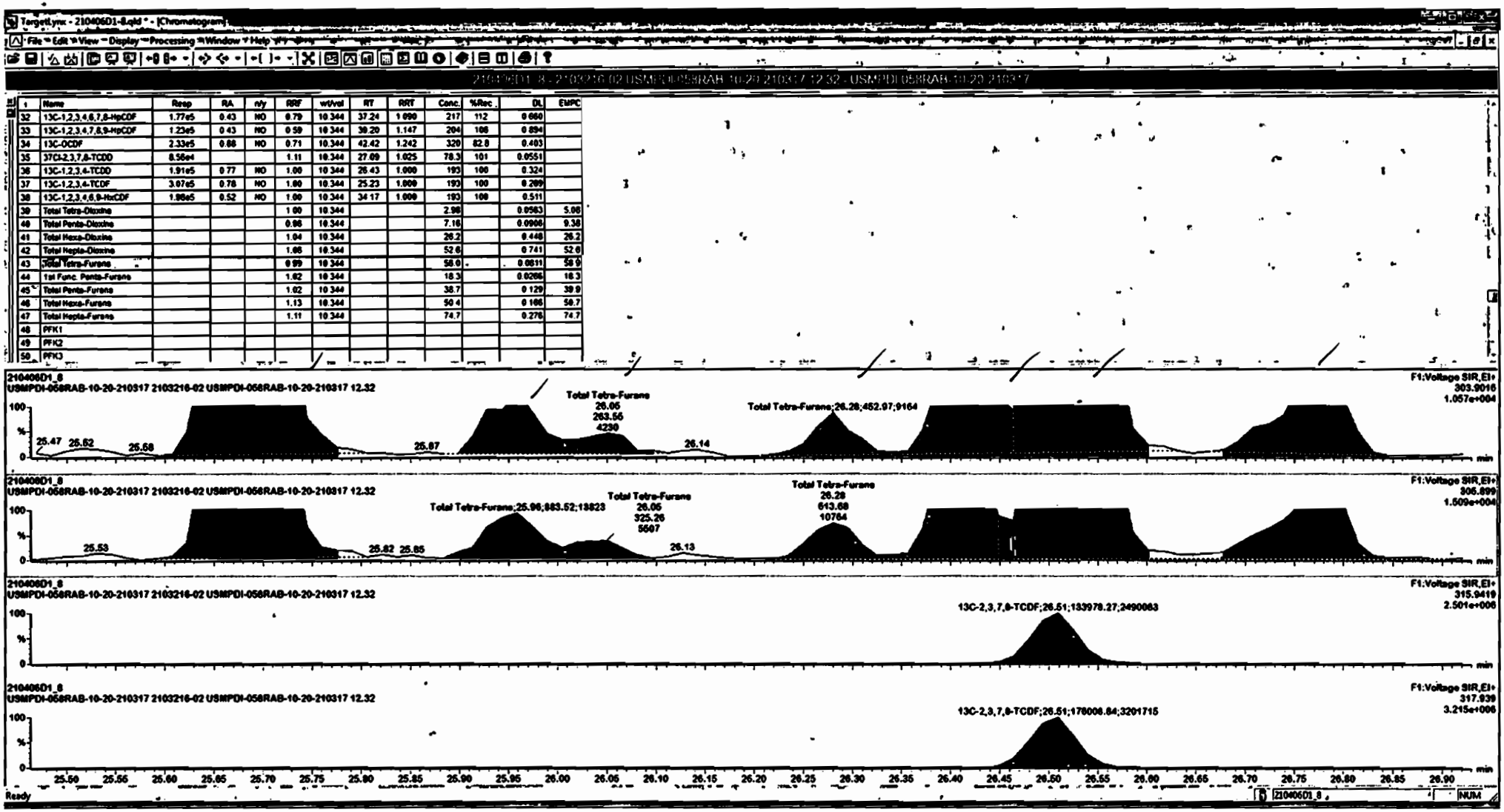

	Name	Resp	RA	r/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	1.77e5	0.43	NO	0.79	10.344	37.24	1.000	217	112	0.660	
33	13C-1,2,3,4,7,8,9-HpCDF	1.23e5	0.43	NO	0.59	10.344	39.20	1.147	204	106	0.894	
34	13C-OCDF	2.33e5	0.88	NO	0.71	10.344	42.42	1.242	329	82.8	0.403	
35	37Cl-2,3,7,8-TCDD	8.56e4			1.11	10.344	27.09	1.025	78.3	101	0.0551	
36	13C-1,2,3,4-TCDD	1.91e5	0.77	NO	1.00	10.344	26.43	1.000	193	100	0.324	
37	13C-1,2,3,4-TCDF	3.07e5	0.78	NO	1.00	10.344	25.23	1.000	193	100	0.269	
38	13C-1,2,3,4,6,9-HxCDF	1.98e5	0.52	NO	1.00	10.344	34.17	1.000	193	100	0.511	
39	Total Tetra-Dioxins				1.00	10.344			2.98		0.0563	5.06
40	Total Penta-Dioxins				0.98	10.344			7.16		0.0908	9.38
41	Total Hexa-Dioxins				1.04	10.344			26.2		0.448	26.2
42	Total Hepta-Dioxins				1.05	10.344			52.6		0.741	52.6
43	Total Tetra-Furans				0.99	10.344			58.0		0.0611	58.9
44	1st Func. Penta-Furans				1.02	10.344			18.3		0.0266	18.3
45	Total Penta-Furans				1.02	10.344			38.7		0.129	39.9
46	Total Hexa-Furans				1.13	10.344			50.4		0.166	56.7
47	Total Hepta-Furans				1.11	10.344			74.7		0.276	74.7
48	PFK1											
49	PFK2											
50	PFK3											

Target1.rez - 210406D1-8.qld * - [Chromatogram]

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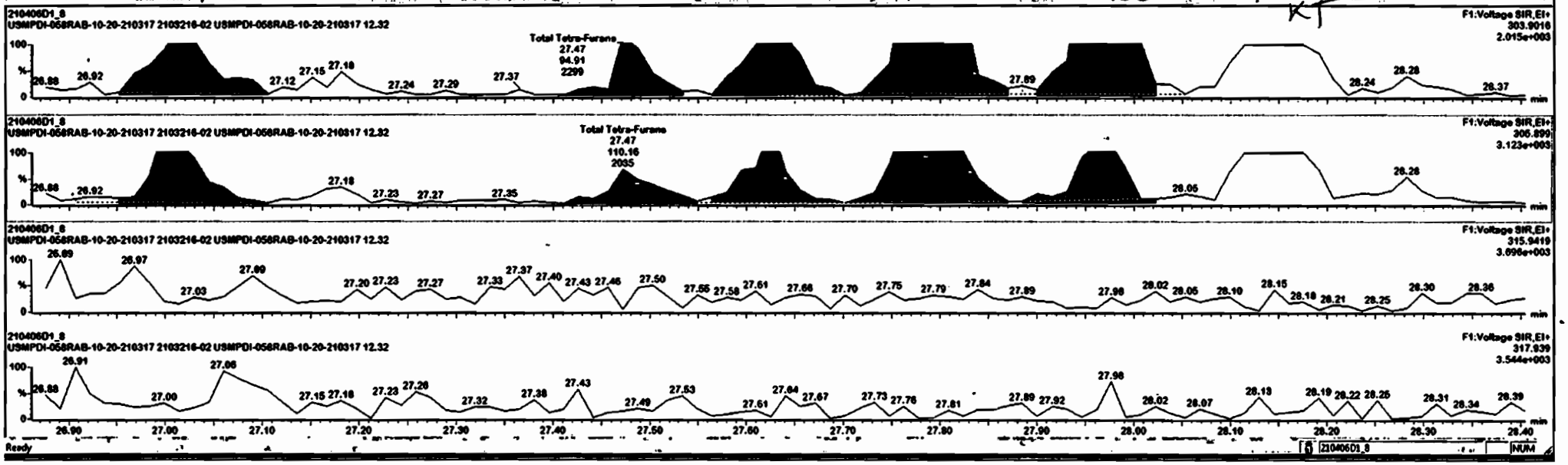
	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	1.77e5	0.43	NO	0.79	10.344	37.24	1.000	217	112	0.660	
33	13C-1,2,3,4,7,8,9-HpCDF	1.23e5	0.43	NO	0.59	10.344	39.20	1.147	204	106	0.894	
34	13C-OCDF	2.33e5	0.88	NO	0.71	10.344	42.42	1.242	329	82.8	0.403	
35	37Cl-2,3,7,8-TCDD	8.56e4			1.11	10.344	27.09	1.025	78.3	101	0.9551	
36	13C-1,2,3,4-TCDD	1.91e5	0.77	NO	1.00	10.344	26.43	1.000	193	100	0.324	
37	13C-1,2,3,4-TCDF	3.07e5	0.78	NO	1.00	10.344	25.23	1.000	193	100	0.269	
38	13C-1,2,3,4,6,9-HxCDF	1.96e5	0.52	NO	1.00	10.344	34.17	1.000	193	100	0.511	
39	Total Tetra-Dioxins				1.00	10.344			2.98		0.0563	5.08
40	Total Penta-Dioxins				0.98	10.344			7.16		0.0998	9.38
41	Total Hexa-Dioxins				1.04	10.344			26.2		0.448	26.2
42	Total Hepta-Dioxins				1.08	10.344			52.6		0.741	52.6
43	Total Tetra-Furans				0.99	10.344			58.9		0.6611	58.9
44	1st Func Penta-Furans				1.02	10.344			18.3		0.0266	18.3
45	Total Penta-Furans				1.02	10.344			38.7		0.129	39.9
46	Total Hexa-Furans				1.13	10.344			50.4		0.166	50.7
47	Total Hepta-Furans				1.11	10.344			74.7		0.276	74.7
48	PFK1											
49	PFK2											
50	PFK3											



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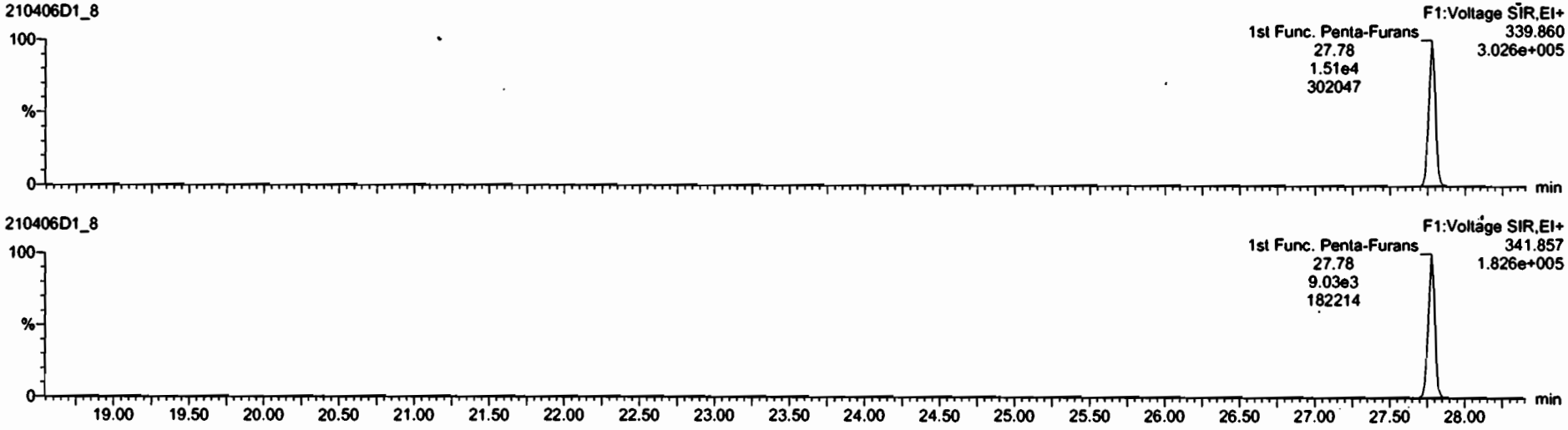
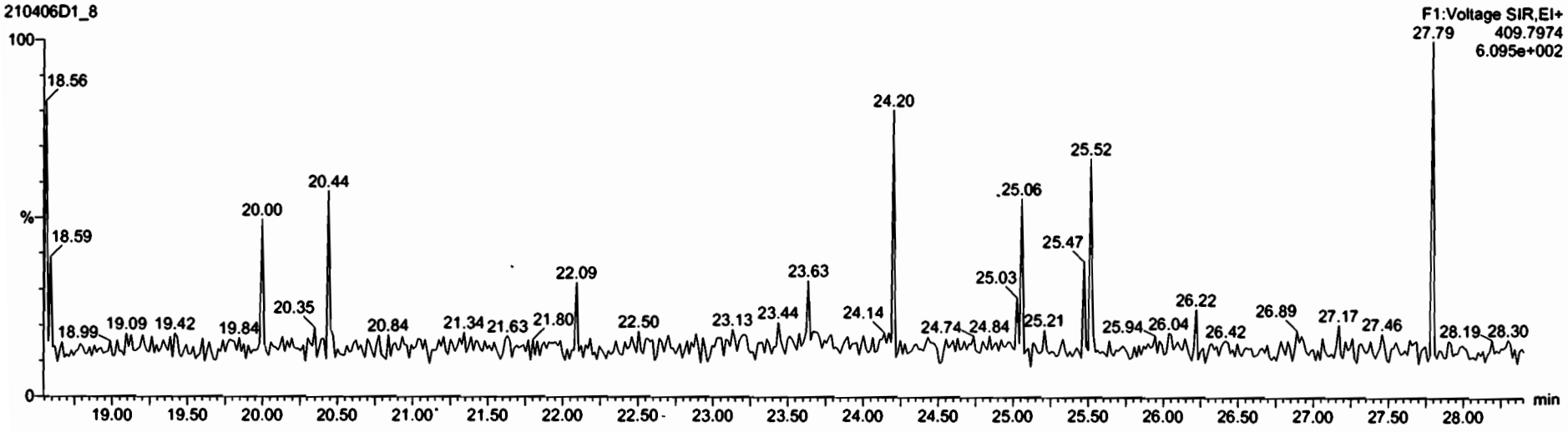
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_8, Date: 06-Apr-2021, Time: 13:44:08, ID: 2103216-02 USMPDI-058RAB-10-20-210317 12.32, Description: USMPDI-058RAB-10-20-210317

1st Func. Penta-Furans



DPE6



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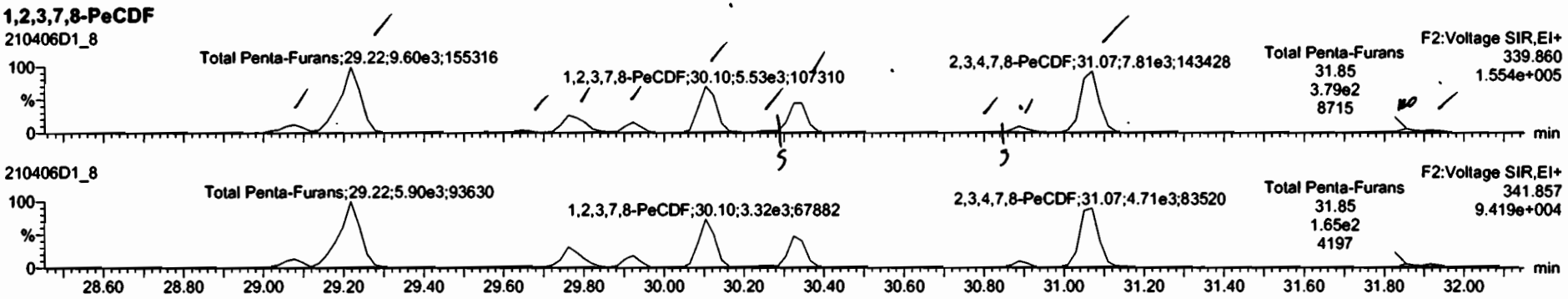
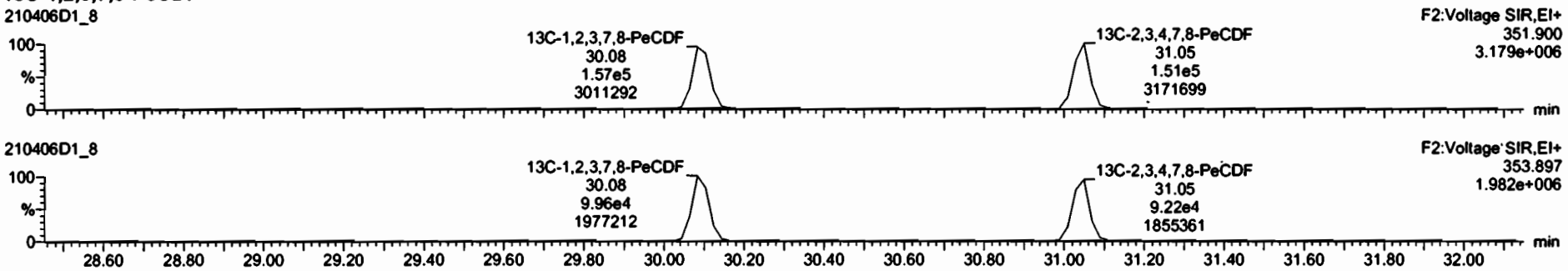
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_8, Date: 06-Apr-2021, Time: 13:44:08, ID: 2103216-02 USMPDI-058RAB-10-20-210317 12.32, Description: USMPDI-058RAB-10-20-210317

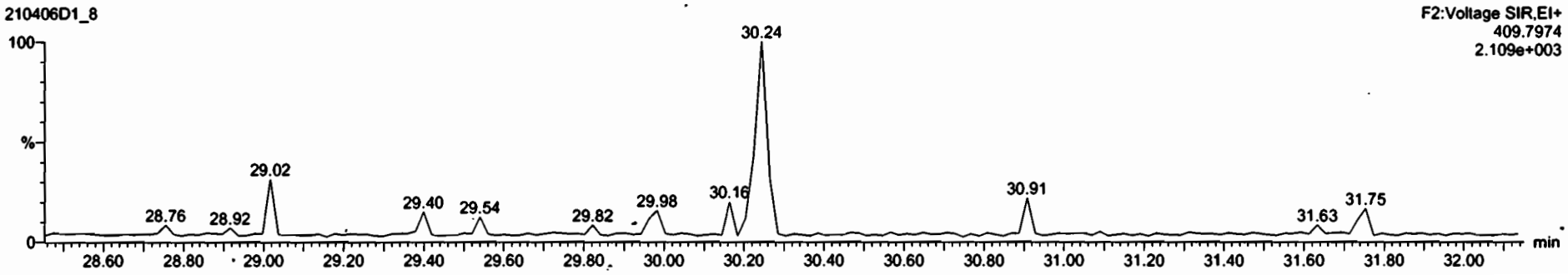
1,2,3,7,8-PeCDF

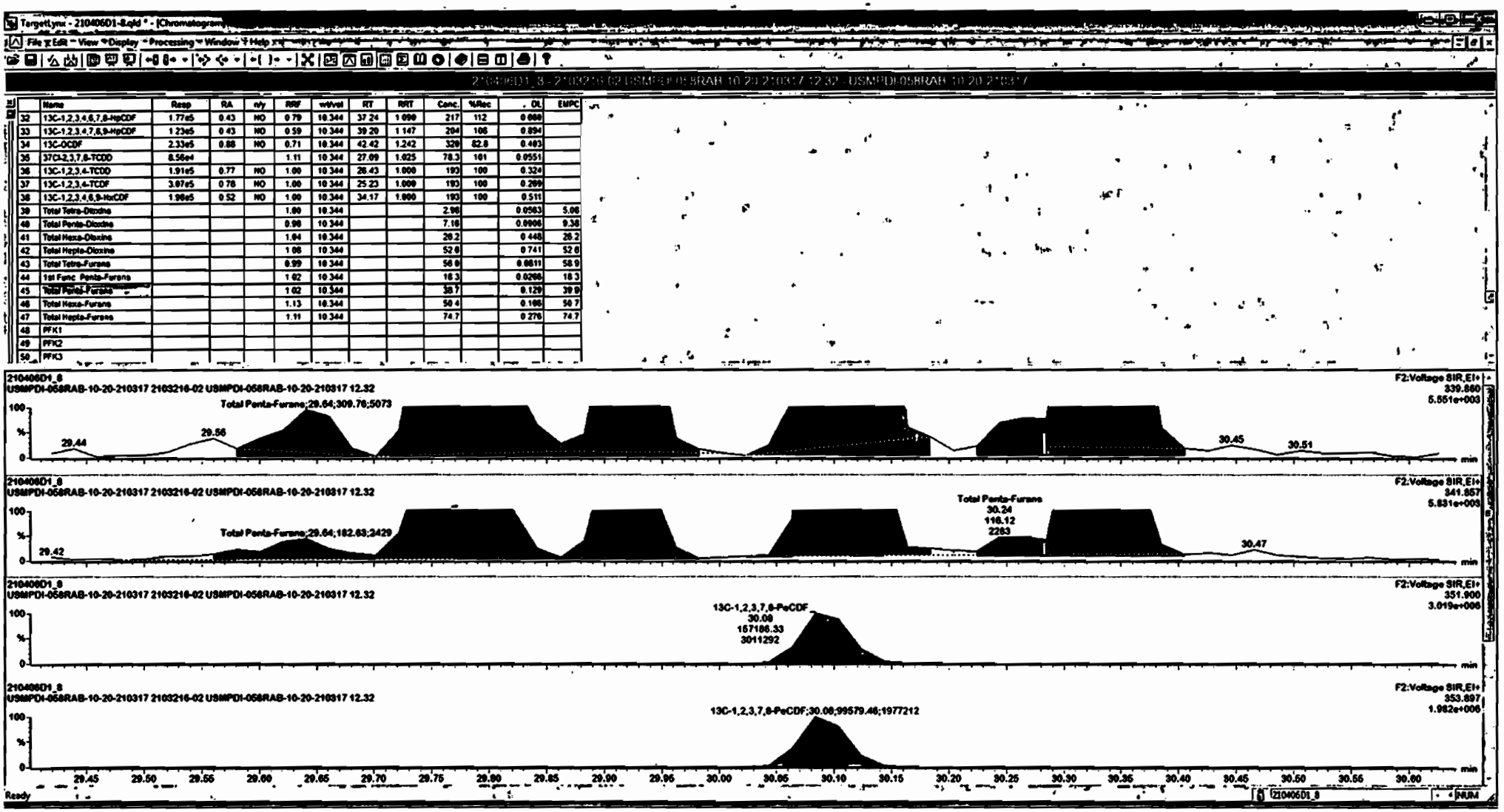


13C-1,2,3,7,8-PeCDF



DPE2




TargetLynx - 210406D1-8.qld * - [Chromatogram]
File Edit View Display Processing Window Help
210406D1_8 - 2103216-02 USMPDI-056RAB-10-20-210317 12.32 - USMPDI-056RAB-10-20-210317
Name Resp RA n/y RRF wt/vol RT RRT Conc. %Rec . DL EMPC
32 13C-1,2,3,4,6,7,8-HpCDF 1.77e5 0.43 NO 0.79 10.344 37.24 1.090 217 112 0.000
33 13C-1,2,3,4,7,8,9-HpCDF 1.23e5 0.43 NO 0.59 10.344 39.20 1.147 204 106 0.894
34 13C-OCDF 2.33e5 0.88 NO 0.71 10.344 42.42 1.242 329 82.8 0.403
35 37Cl-2,3,7,8-TCDD 8.56e4 1.11 10.344 27.09 1.025 78.3 101 0.0551
36 13C-1,2,3,4-TCDD 1.91e5 0.77 NO 1.00 10.344 26.43 1.000 193 100 0.324
37 13C-1,2,3,4-TCDF 3.97e5 0.78 NO 1.00 10.344 25.23 1.000 193 100 0.269
38 13C-1,2,3,4,6,9-HxCDF 1.98e5 0.52 NO 1.00 10.344 34.17 1.000 193 100 0.511
39 Total Tetra-Dioxins 1.00 10.344 2.96 0.0563 5.06
40 Total Penta-Dioxins 0.98 10.344 7.16 0.0906 9.38
41 Total Hexa-Dioxins 1.04 10.344 26.2 0.446 26.2
42 Total Hepta-Dioxins 1.06 10.344 52.8 0.741 52.8
43 Total Tetra-Furans 0.99 10.344 56.9 0.0611 56.9
44 1st Func Penta-Furans 1.02 10.344 18.3 0.0266 18.3
45 Total Penta-Furans 1.02 10.344 38.7 0.129 39.9
46 Total Hexa-Furans 1.13 10.344 50.4 0.166 50.7
47 Total Hepta-Furans 1.11 10.344 74.7 0.276 74.7
48 PFK1
49 PFK2
50 PFK3
210406D1_8
USMPDI-056RAB-10-20-210317 2103216-02 USMPDI-056RAB-10-20-210317 12.32
F2:Voltage SIR,EI+
339.860
5.551e+003
Total Penta-Furans;29.64;309.76;5073
29.44
29.56
30.45
30.51
min
210406D1_8
USMPDI-056RAB-10-20-210317 2103216-02 USMPDI-056RAB-10-20-210317 12.32
F2:Voltage SIR,EI+
341.857
5.831e+003
Total Penta-Furans;29.64;182.63;2429
29.42
Total Penta-Furans
30.24
116.12
2283
30.47
min
210406D1_8
USMPDI-056RAB-10-20-210317 2103216-02 USMPDI-056RAB-10-20-210317 12.32
F2:Voltage SIR,EI+
351.900
3.019e+006
13C-1,2,3,7,8-PeCDF
30.08
157186.33
3011292
min
210406D1_8
USMPDI-056RAB-10-20-210317 2103216-02 USMPDI-056RAB-10-20-210317 12.32
F2:Voltage SIR,EI+
353.897
1.982e+006
13C-1,2,3,7,8-PeCDF;30.08;99579.46;1977212
min
29.45 29.50 29.55 29.60 29.65 29.70 29.75 29.80 29.85 29.90 29.95 30.00 30.05 30.10 30.15 30.20 30.25 30.30 30.35 30.40 30.45 30.50 30.55 30.60
Ready
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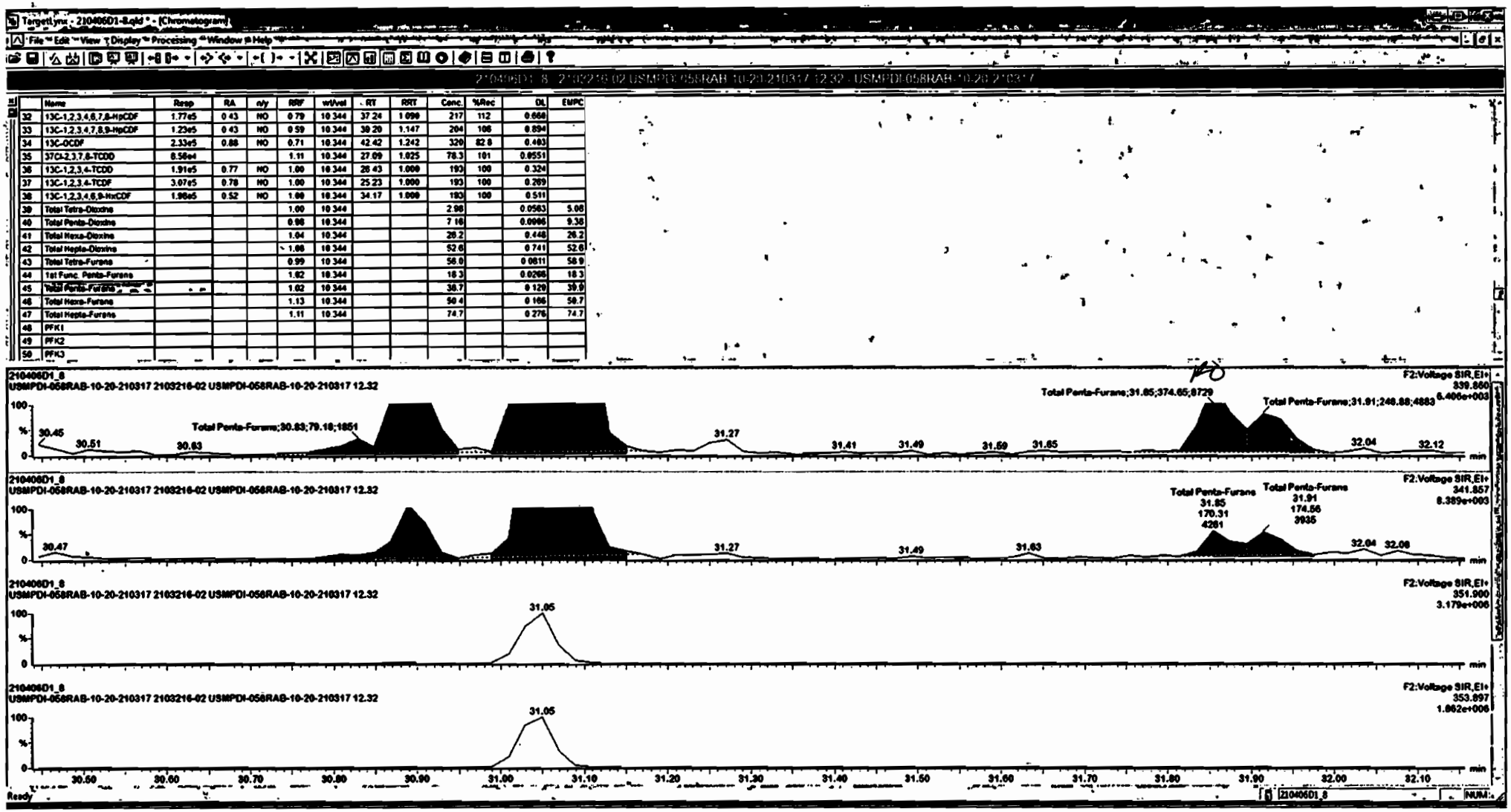


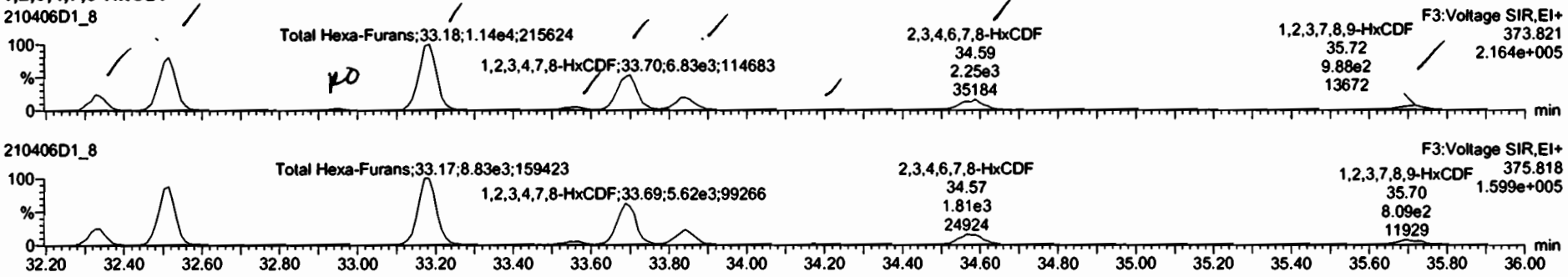
	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	1.77e5	0.43	NO	0.79	10.344	37.24	1.090	217	112	0.666	
33	13C-1,2,3,4,7,8,9-HpCDF	1.23e5	0.43	NO	0.59	10.344	39.20	1.147	204	106	0.894	
34	13C-OCDF	2.33e5	0.88	NO	0.71	10.344	42.42	1.242	329	82.9	0.483	
35	37Cl-2,3,7,8-TCDD	8.58e4			1.11	10.344	27.09	1.025	78.3	101	0.9551	
36	13C-1,2,3,4-TCDD	1.91e5	0.77	NO	1.00	10.344	26.43	1.000	193	100	0.324	
37	13C-1,2,3,4-TCDF	3.07e5	0.78	NO	1.00	10.344	25.23	1.000	193	100	0.269	
38	13C-1,2,3,4,6,9-HxCDF	1.96e5	0.52	NO	1.00	10.344	34.17	1.000	193	100	0.511	
39	Total Tetra-Dioxins				1.00	10.344			2.98		0.0583	5.08
40	Total Penta-Dioxins				0.98	10.344			7.16		0.0066	9.38
41	Total Hexa-Dioxins				1.04	10.344			28.2		0.448	26.2
42	Total Hepta-Dioxins				1.06	10.344			52.6		0.741	52.6
43	Total Tetra-Furans				0.99	10.344			56.0		0.0811	58.9
44	1st Func. Penta-Furans				1.02	10.344			18.3		0.0266	18.3
45	Total Penta-Furans				1.02	10.344			38.7		0.129	39.9
46	Total Hexa-Furans				1.13	10.344			50.4		0.166	58.7
47	Total Hepta-Furans				1.11	10.344			74.7		0.276	74.7
48	PFK1											
49	PFK2											
50	PFK3											

Dataset: Untitled

Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_8, Date: 06-Apr-2021, Time: 13:44:08, ID: 2103216-02 USMPDI-058RAB-10-20-210317 12.32, Description: USMPDI-058RAB-10-20-210317

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



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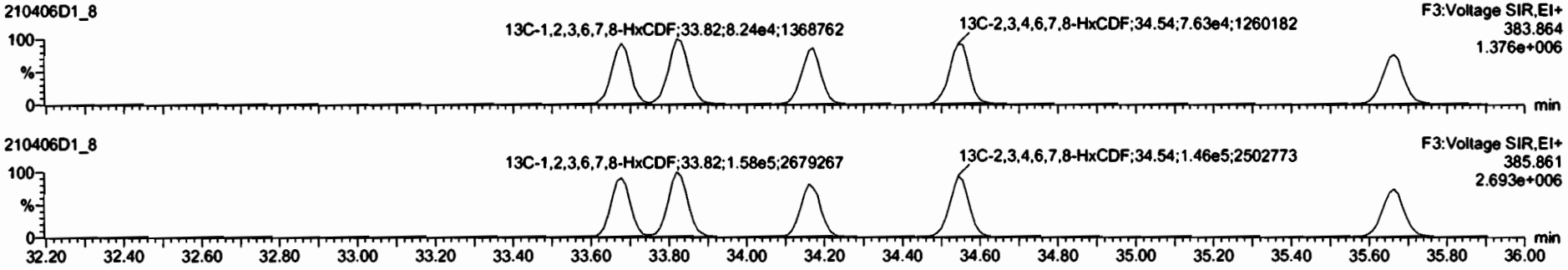

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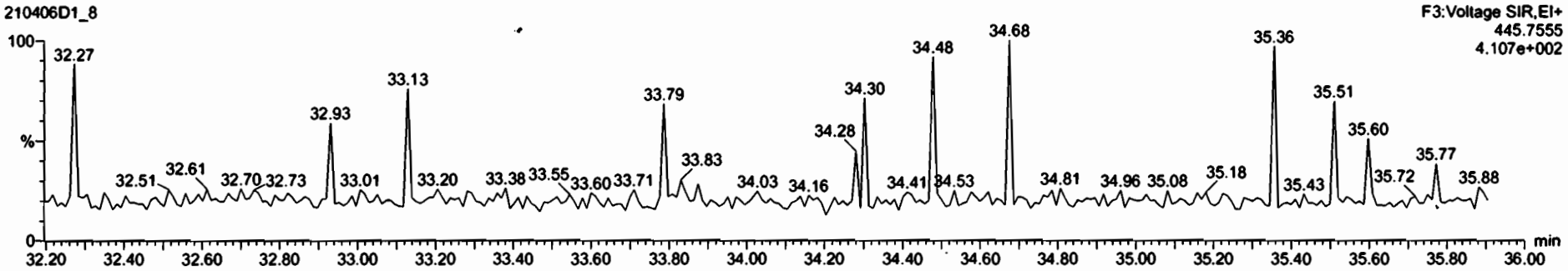
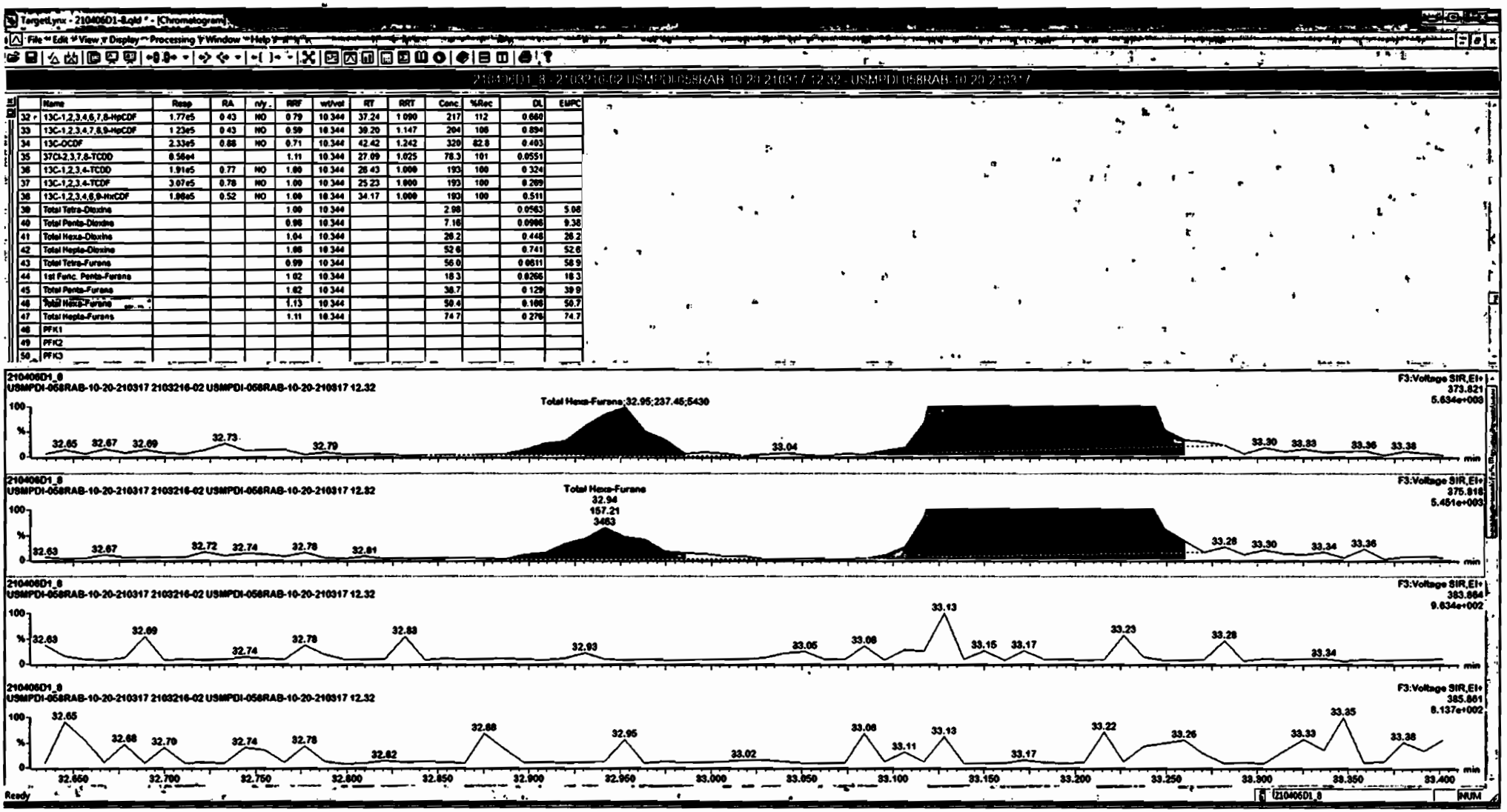
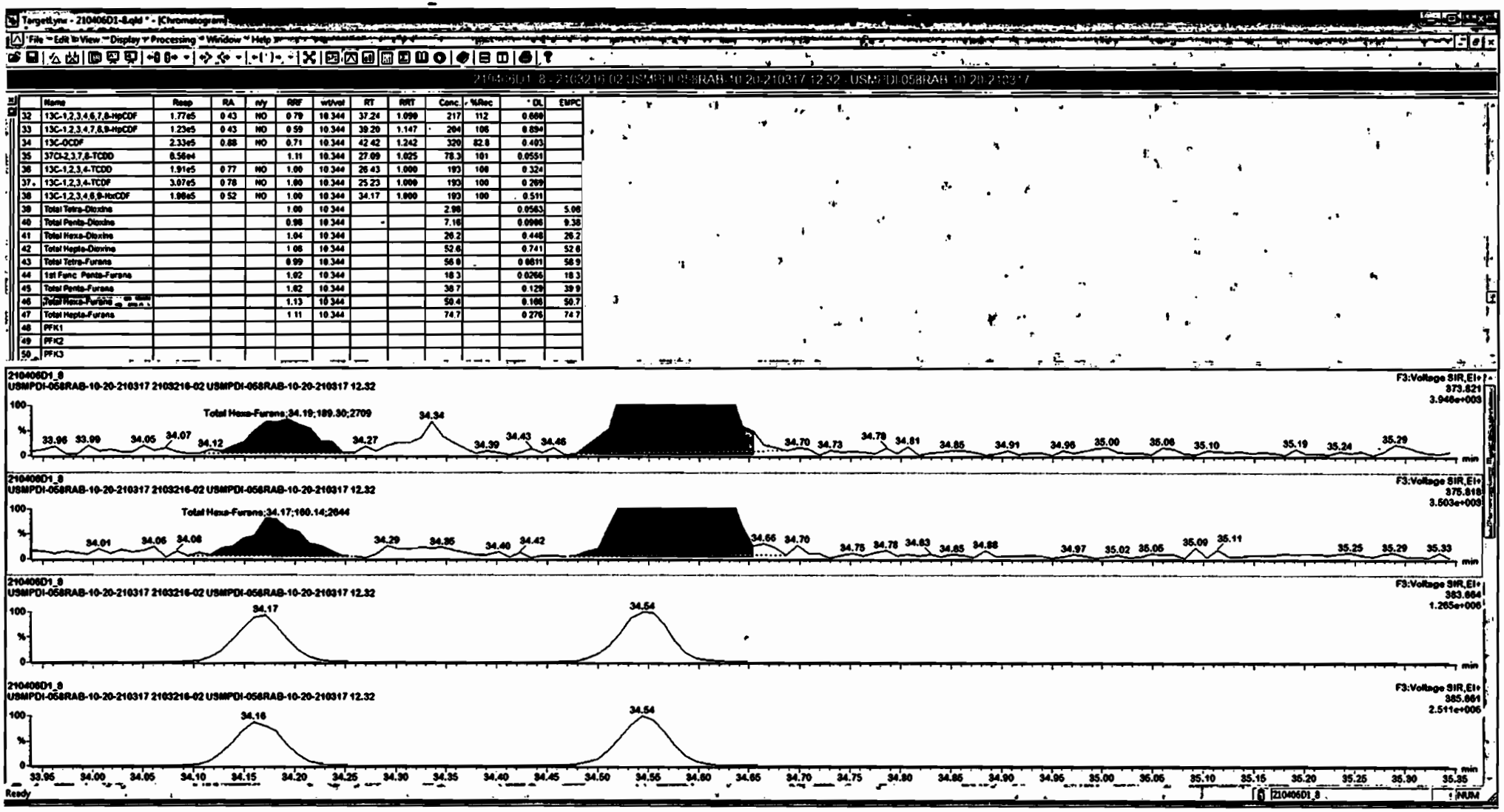
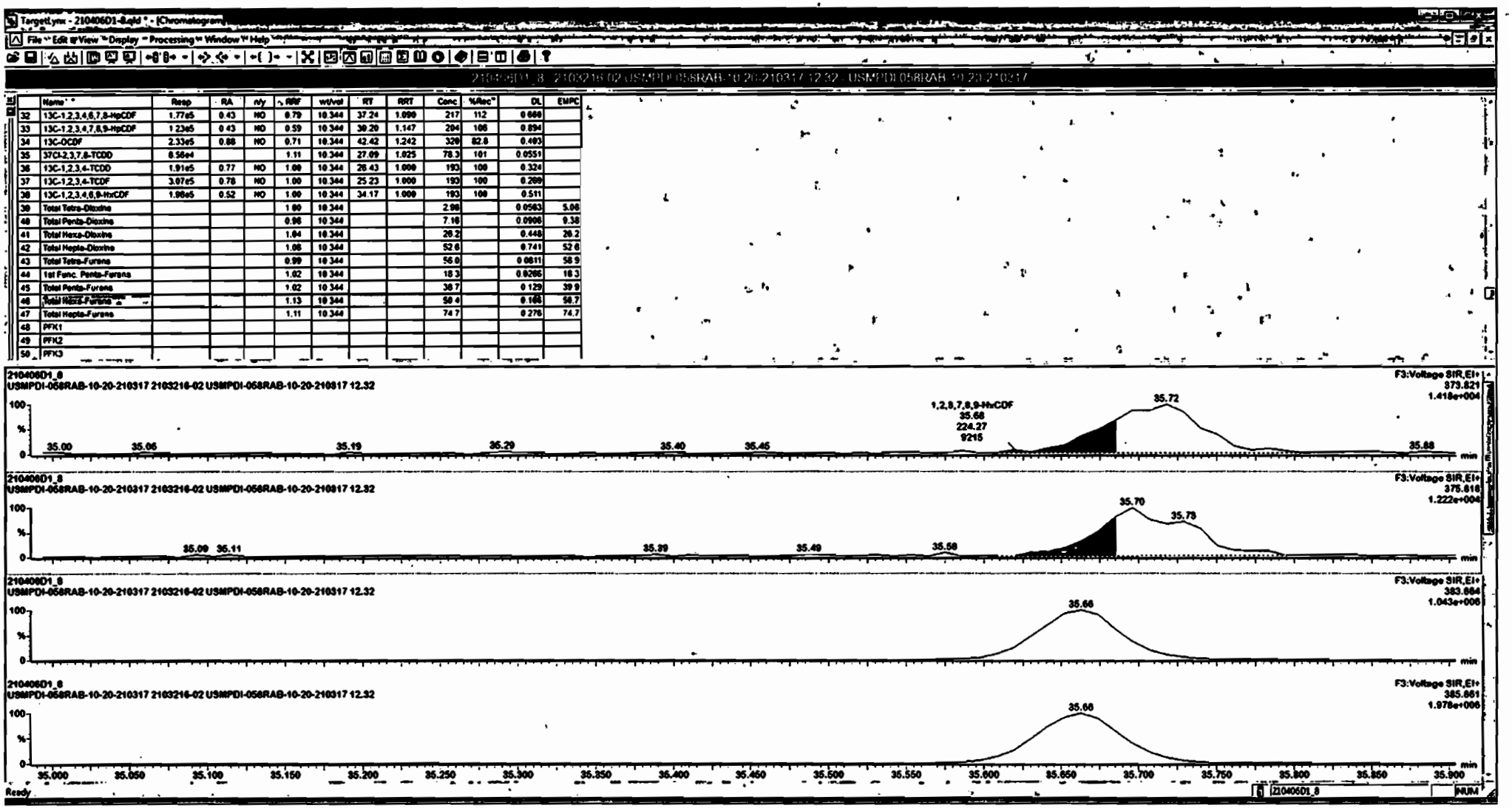




	Name	Resp	RA	r/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	1.77e5	0.43	NO	0.79	10.344	37.24	1.090	217	112	0.660	
33	13C-1,2,3,4,7,8,9-HpCDF	1.23e5	0.43	NO	0.59	10.344	39.20	1.147	204	106	0.894	
34	13C-OCDF	2.33e5	0.88	NO	0.71	10.344	42.42	1.242	329	82.8	0.403	
35	37Cl-2,3,7,8-TCDD	0.56e4			1.11	10.344	27.09	1.025	78.3	101	0.0551	
36	13C-1,2,3,4-TCDD	1.91e5	0.77	NO	1.00	10.344	26.43	1.000	193	100	0.324	
37	13C-1,2,3,4-TCDF	3.07e5	0.78	NO	1.00	10.344	25.23	1.000	193	100	0.209	
38	13C-1,2,3,4,6,9-HxCDF	1.86e5	0.52	NO	1.00	10.344	34.17	1.000	193	100	0.511	
39	Total Tetra-Dioxins				1.00	10.344			2.98		0.0563	5.08
40	Total Penta-Dioxins				0.98	10.344			7.16		0.0996	9.38
41	Total Hexa-Dioxins				1.04	10.344			26.2		0.448	26.2
42	Total Hepta-Dioxins				1.06	10.344			52.6		0.741	52.6
43	Total Tetra-Furans				0.99	10.344			56.0		0.0611	58.9
44	1st Func. Penta-Furans				1.02	10.344			18.3		0.0266	18.3
45	Total Penta-Furans				1.02	10.344			38.7		0.129	39.9
46	Total Hexa-Furans				1.13	10.344			50.4		0.166	50.7
47	Total Hepta-Furans				1.11	10.344			74.7		0.276	74.7
48	PFK1											
49	PFK2											
50	PFK3											



	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	1.77e5	0.43	NO	0.79	10.344	37.24	1.090	217	112	0.669	
33	13C-1,2,3,4,7,8,9-HpCDF	1.23e5	0.43	NO	0.59	10.344	39.20	1.147	204	106	0.894	
34	13C-OCDF	2.33e5	0.88	NO	0.71	10.344	42.42	1.242	329	82.8	0.403	
35	37Cl-2,3,7,8-TCDD	8.56e4			1.11	10.344	27.09	1.025	78.3	101	0.0551	
36	13C-1,2,3,4-TCDD	1.91e5	0.77	NO	1.00	10.344	26.43	1.000	193	100	0.324	
37	13C-1,2,3,4-TCDF	3.07e5	0.78	NO	1.00	10.344	25.23	1.000	193	100	0.209	
38	13C-1,2,3,4,6,9-HxCDF	1.98e5	0.52	NO	1.00	10.344	34.17	1.000	193	100	0.511	
39	Total Tetra-Dioxins				1.00	10.344			2.98		0.0563	5.08
40	Total Penta-Dioxins				0.98	10.344			7.16		0.0996	9.38
41	Total Hexa-Dioxins				1.04	10.344			26.2		0.448	26.2
42	Total Hepta-Dioxins				1.06	10.344			52.6		0.741	52.6
43	Total Tetra-Furans				0.99	10.344			56.9		0.0611	56.9
44	1st Func Penta-Furans				1.02	10.344			18.3		0.0266	18.3
45	Total Penta-Furans				1.02	10.344			39.7		0.129	39.9
46	Total Hexa-Furans				1.13	10.344			50.4		0.166	50.7
47	Total Hepta-Furans				1.11	10.344			74.7		0.276	74.7
48	PFK1											
49	PFK2											
50	PFK3											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Name
32 13C-1,2,3,4,6,7,8-HpCDF 1.77e5 0.43 NO 0.79 10.344 37.24 1.000 217 112 0.666
33 13C-1,2,3,4,7,8,9-HpCDF 1.23e5 0.43 NO 0.59 10.344 39.20 1.147 204 106 0.894
34 13C-OCDF 2.33e5 0.88 NO 0.71 10.344 42.42 1.242 326 82.8 0.493
35 37Cl-2,3,7,8-TCDD 8.56e4 1.11 10.344 27.09 1.025 78.3 101 0.0551
36 13C-1,2,3,4-TCDD 1.91e5 0.77 NO 1.00 10.344 26.43 1.000 193 100 0.324
37 13C-1,2,3,4-TCDF 3.07e5 0.78 NO 1.00 10.344 25.23 1.000 193 100 0.209
38 13C-1,2,3,4,6,9-HxCDF 1.98e5 0.52 NO 1.00 10.344 34.17 1.000 193 100 0.511
39 Total Tetra-Dioxins 1.00 10.344 2.98 0.0563 5.08
40 Total Penta-Dioxins 0.96 10.344 7.16 0.0906 9.38
41 Total Hexa-Dioxins 1.04 10.344 26.2 0.448 26.2
42 Total Hepta-Dioxins 1.08 10.344 52.6 0.741 52.6
43 Total Tetra-Furans 0.99 10.344 56.0 0.0611 58.9
44 1st Func. Penta-Furans 1.02 10.344 18.3 0.0266 18.3
45 Total Penta-Furans 1.02 10.344 36.7 0.129 39.9
46 Total Hexa-Furans 1.13 10.344 58.4 0.168 58.7
47 Total Hepta-Furans 1.11 10.344 74.7 0.276 74.7
48 PFK1
49 PFK2
50 PFK3
210406D1_8
USMPDI-058RAB-10-20-210317 2103216-02 USMPDI-058RAB-10-20-210317 12.32
F3:Voltage SIR,EI+
373.821
1.418e+004
1,2,3,7,8,9-HxCDF
35.68
224.27
9215
35.72
35.00 35.06 35.19 35.29 35.40 35.46 35.88
min
F3:Voltage SIR,EI+
375.818
1.222e+004
35.70
35.73
35.09 35.11 35.39 35.49 35.58
F3:Voltage SIR,EI+
383.864
1.043e+006
35.66
F3:Voltage SIR,EI+
385.861
1.978e+006
35.66
35.000 35.050 35.100 35.150 35.200 35.250 35.300 35.350 35.400 35.450 35.500 35.550 35.600 35.650 35.700 35.750 35.800 35.850 35.900
Ready
21040601_8
NUM

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Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

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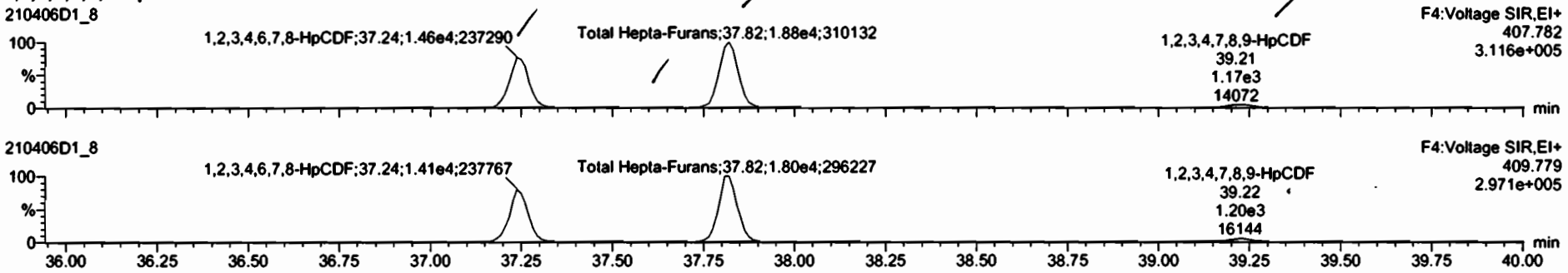
1,2,3,4,6,7,8-HpCDF



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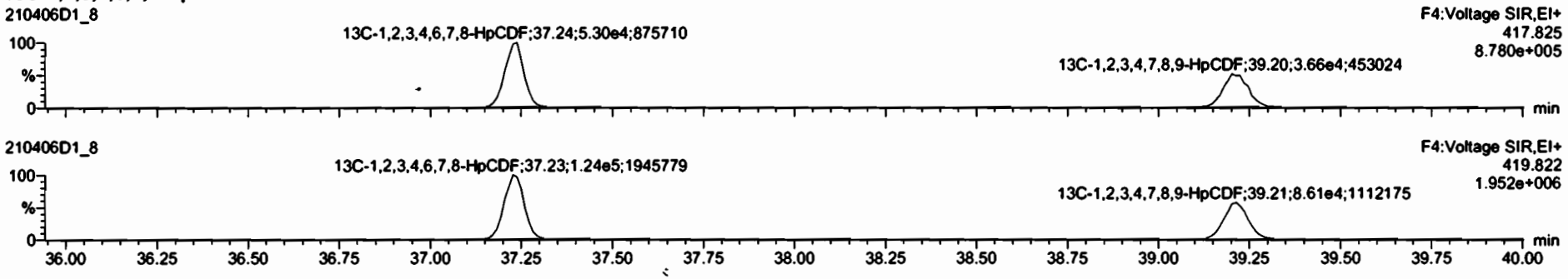

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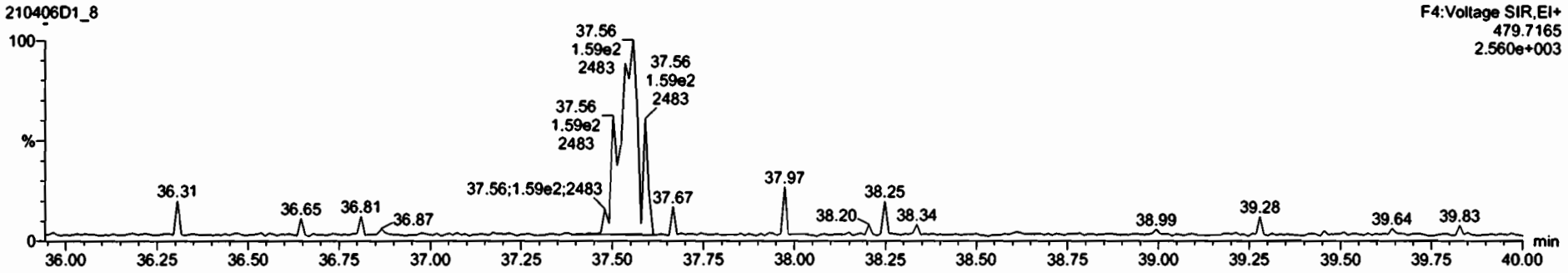

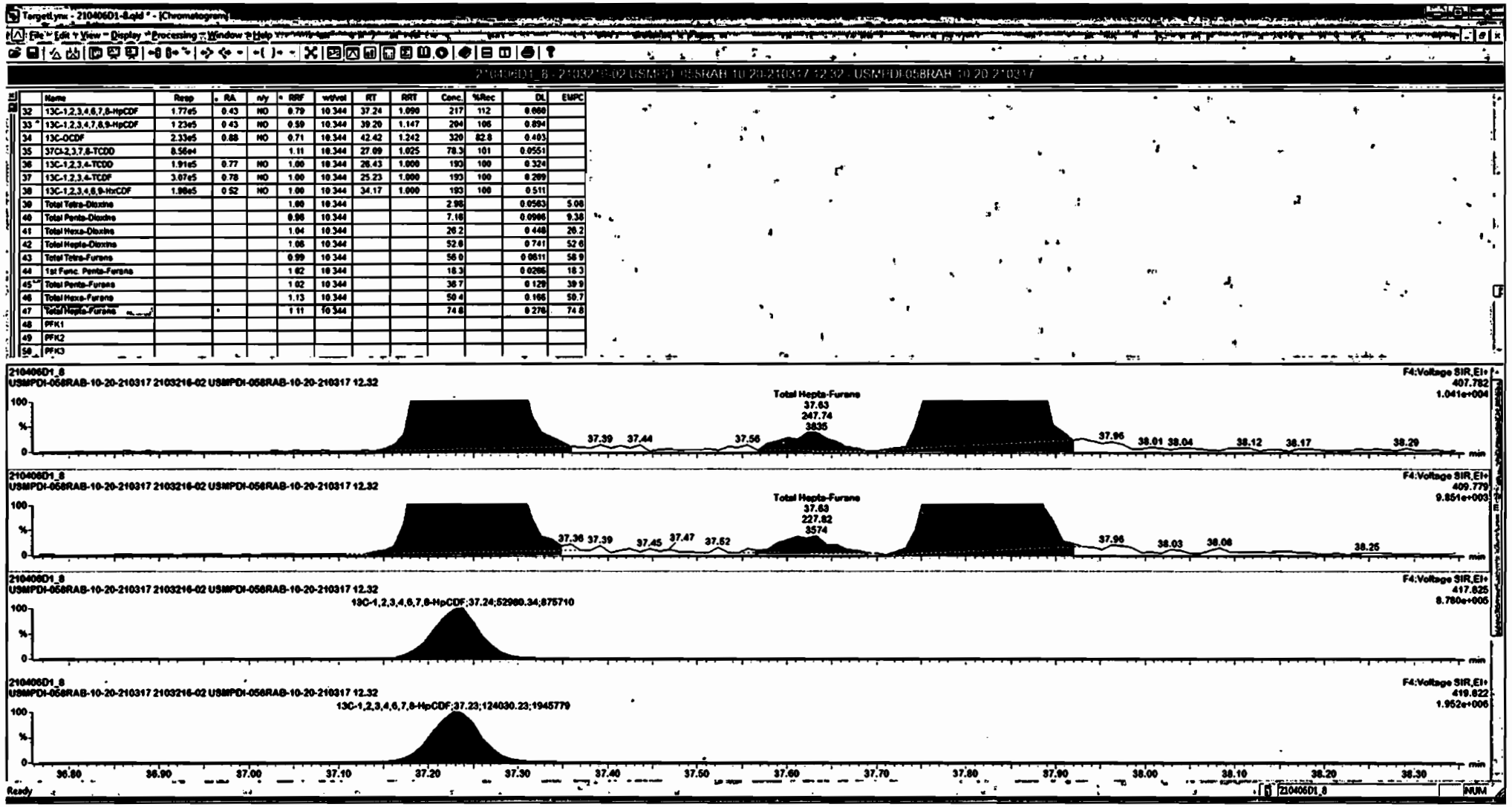
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Name Resp RA n/y RRF wtVol RT RRT Conc. %Rec DL EMPC
32 13C-1,2,3,4,6,7,8-HpCDF 1.77e5 0.43 NO 0.79 10.344 37.24 1.000 217 112 0.666
33 13C-1,2,3,4,7,8,9-HpCDF 1.23e5 0.43 NO 0.59 10.344 39.20 1.147 204 105 0.894
34 13C-OCDF 2.33e5 0.88 NO 0.71 10.344 42.42 1.242 320 82.8 0.493
35 37Cl-2,3,7,8-TCDD 8.56e4 1.11 10.344 27.09 1.025 78.3 101 0.0551
36 13C-1,2,3,4-TCDD 1.91e5 0.77 NO 1.00 10.344 26.43 1.000 193 100 0.324
37 13C-1,2,3,4-TCDF 3.07e5 0.78 NO 1.00 10.344 25.23 1.000 193 100 0.289
38 13C-1,2,3,4,6,9-HxCDF 1.98e5 0.52 NO 1.00 10.344 34.17 1.000 193 100 0.511
39 Total Tetra-Dioxins 1.00 10.344 2.98 0.0563 5.08
40 Total Penta-Dioxins 0.96 10.344 7.16 0.0966 9.38
41 Total Hexa-Dioxins 1.04 10.344 26.2 0.448 26.2
42 Total Hepta-Dioxins 1.06 10.344 52.6 0.741 52.6
43 Total Tetra-Furans 0.99 10.344 56.0 0.0611 58.9
44 1st Func. Penta-Furans 1.02 10.344 18.3 0.0266 18.3
45 Total Penta-Furans 1.02 10.344 36.7 0.129 39.9
46 Total Hexa-Furans 1.13 10.344 50.4 0.166 50.7
47 Total Hepta-Furans 1.11 10.344 74.8 0.276 74.8
48 PFK1
49 PFK2
50 PFK3
210406D1_8
USMPDI-056RAB-10-20-210317 2103216-02 USMPDI-056RAB-10-20-210317 12.32
F4:Voltage SIR,EI+
407.782
1.041e+004
Total Hepta-Furans
37.63
247.74
3835
37.39 37.44 37.56 37.96 38.01 38.04 38.12 38.17 38.29
210406D1_8
USMPDI-056RAB-10-20-210317 2103216-02 USMPDI-056RAB-10-20-210317 12.32
F4:Voltage SIR,EI+
409.779
9.851e+003
Total Hepta-Furans
37.63
227.82
3574
37.36 37.39 37.45 37.47 37.52 37.96 38.03 38.06 38.26
210406D1_8
USMPDI-056RAB-10-20-210317 2103216-02 USMPDI-056RAB-10-20-210317 12.32
F4:Voltage SIR,EI+
417.825
8.780e+005
13C-1,2,3,4,6,7,8-HpCDF;37.24;52980.34;875710
210406D1_8
USMPDI-056RAB-10-20-210317 2103216-02 USMPDI-056RAB-10-20-210317 12.32
F4:Voltage SIR,EI+
419.822
1.952e+006
13C-1,2,3,4,6,7,8-HpCDF;37.23;124030.23;1945779
36.80 36.90 37.00 37.10 37.20 37.30 37.40 37.50 37.60 37.70 37.80 37.90 38.00 38.10 38.20 38.30
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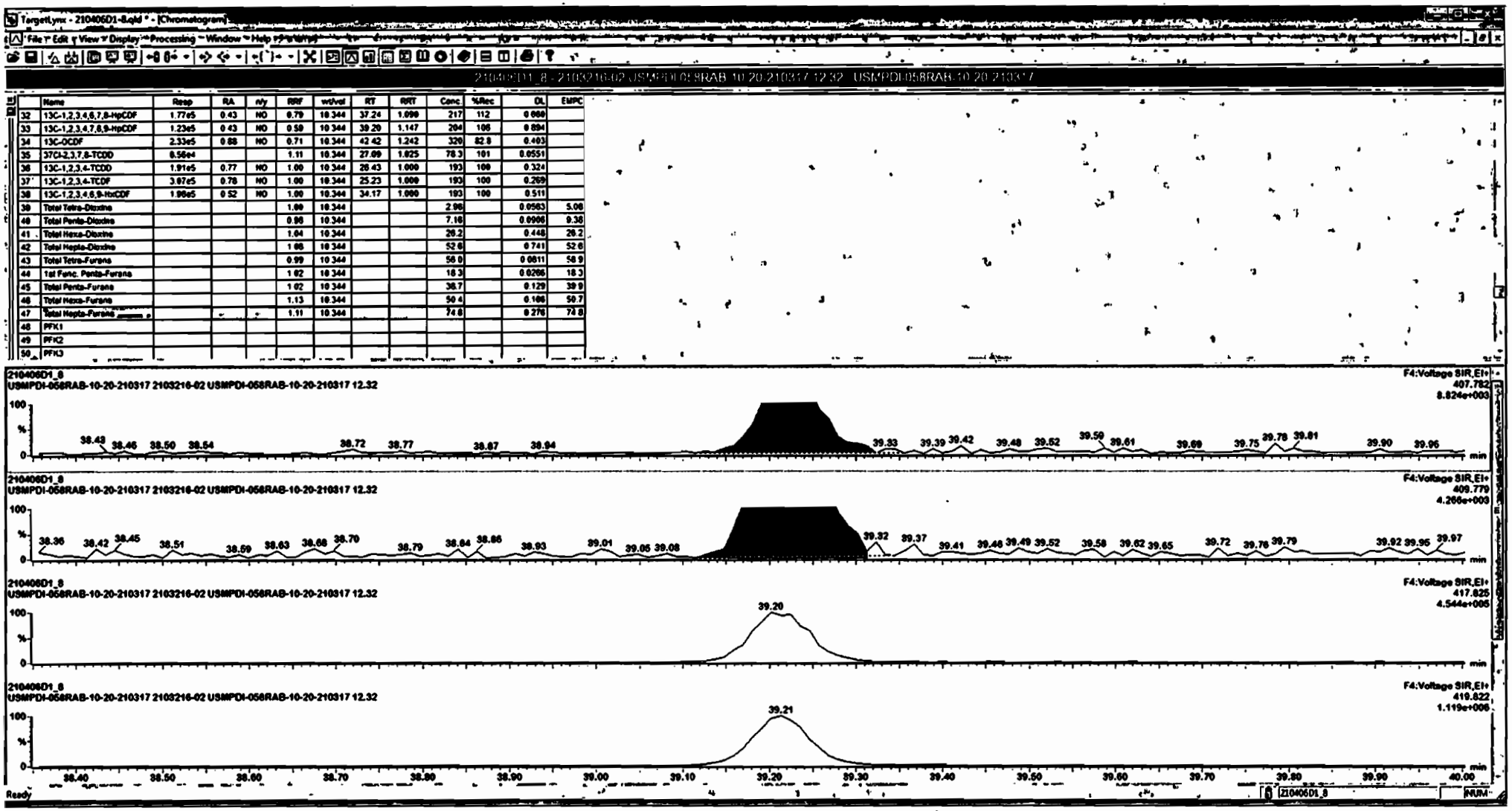
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Name Resp RA n/y RRF wt/vol RT RRT Conc %Rec DL EMPC
32 13C-1,2,3,4,6,7,8-HpCDF 1.77e5 0.43 NO 0.79 10.344 37.24 1.000 217 112 0.668
33 13C-1,2,3,4,7,8,9-HpCDF 1.23e5 0.43 NO 0.59 10.344 39.20 1.147 204 105 0.894
34 13C-OCDF 2.33e5 0.88 NO 0.71 10.344 42.42 1.242 329 82.8 0.403
35 37Cl-2,3,7,8-TCDD 8.56e4 1.11 10.344 27.09 1.025 78.3 101 0.0551
36 13C-1,2,3,4-TCDD 1.91e5 0.77 NO 1.00 10.344 26.43 1.000 193 100 0.324
37 13C-1,2,3,4-TCDF 3.67e5 0.78 NO 1.00 10.344 25.23 1.000 193 100 0.269
38 13C-1,2,3,4,6,9-HxCDF 1.98e5 0.52 NO 1.00 10.344 34.17 1.000 193 100 0.511
39 Total Tetra-Dioxins 1.00 10.344 2.98 0.0583 5.08
40 Total Penta-Dioxins 0.96 10.344 7.16 0.0906 9.36
41 Total Hexa-Dioxins 1.04 10.344 26.2 0.448 26.2
42 Total Hepta-Dioxins 1.06 10.344 52.6 0.741 52.6
43 Total Tetra-Furans 0.99 10.344 56.0 0.0811 58.9
44 1st Func. Penta-Furans 1.02 10.344 18.3 0.0266 18.3
45 Total Penta-Furans 1.02 10.344 38.7 0.129 39.9
46 Total Hexa-Furans 1.13 10.344 50.4 0.186 50.7
47 Total Hepta-Furans 1.11 10.344 74.8 0.276 74.8
48 PFK1
49 PFK2
50 PFK3
210406D1_8
USMPDI-058RAB-10-20-210317 2103216-02 USMPDI-058RAB-10-20-210317 12.32
F4:Voltage SIR,EI+
407.782
8.824e+003
409.779
4.266e+003
417.825
4.544e+006
419.822
1.119e+006
39.20
39.21
min
Ready
Z1040601_8
NUM

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Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
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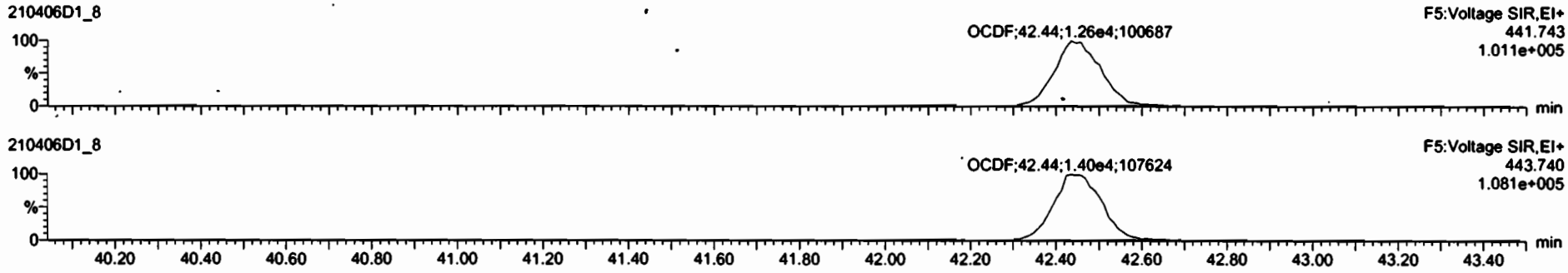
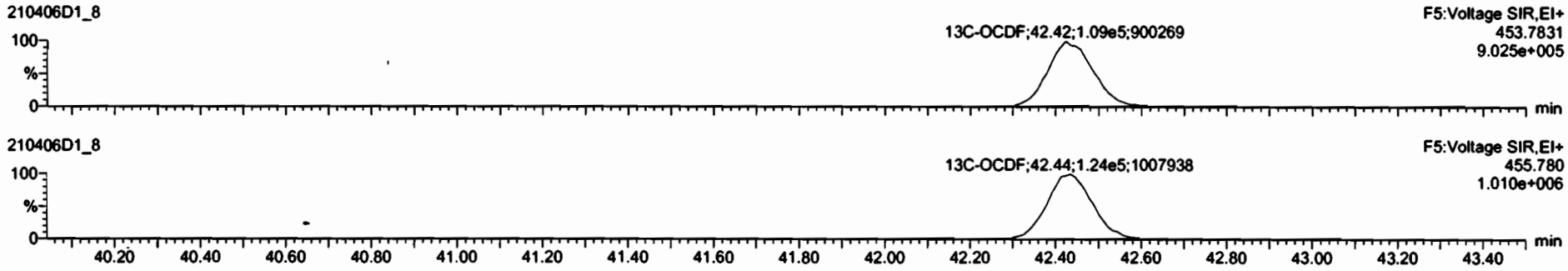
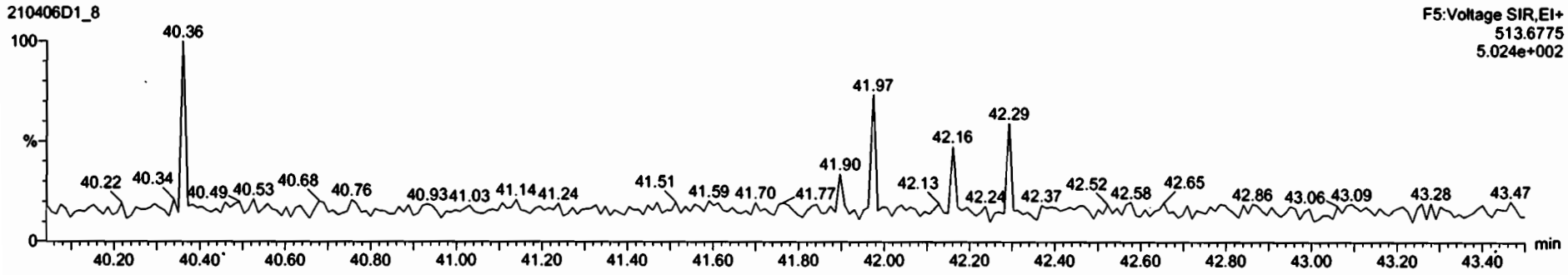
OCDF

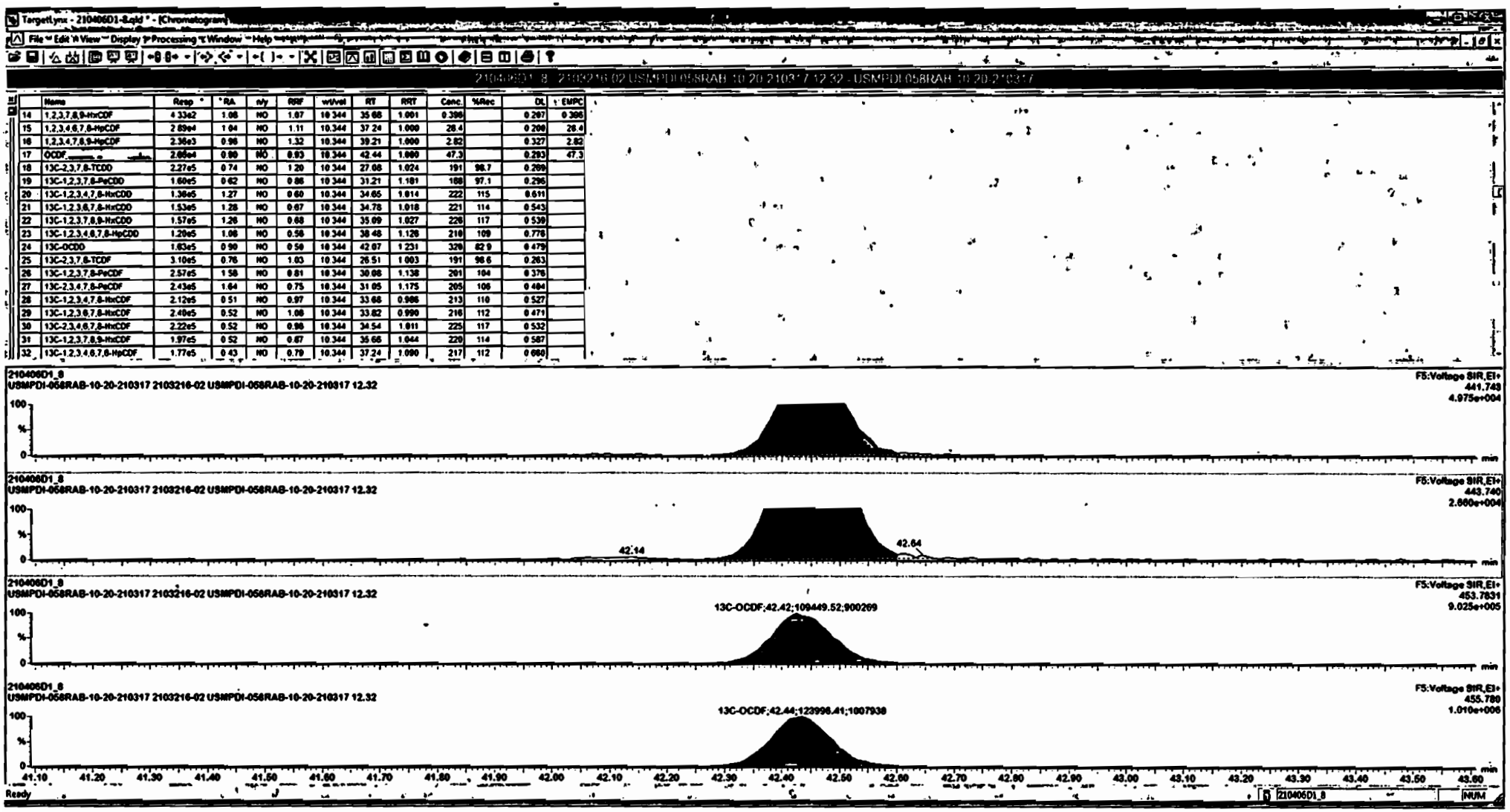


13C-OCDF



DPE5




TargetLynx - 210406D1-8.qld * - [Chromatogram]
File Edit View Display Processing Window Help
210406D1_8 2103216-02 USMPDI-058RAB-10-20-210317 12.32 - USMPDI-058RAB-10-20-210317
Name Resp RA n/y RRF w/val RT RRT Conc %Rec DL EMPC
14 1,2,3,7,8,9-HxCDF 4.33e2 1.08 NO 1.07 10.344 35.68 1.001 0.398 0.207 0.398
15 1,2,3,4,6,7,8-HpCDF 2.89e4 1.04 NO 1.11 10.344 37.24 1.000 28.4 0.200 28.4
16 1,2,3,4,7,8,9-HpCDF 2.36e3 0.96 NO 1.32 10.344 39.21 1.000 2.82 0.327 2.82
17 OCDF 2.86e4 0.99 NO 0.93 10.344 42.44 1.000 47.3 0.293 47.3
18 13C-2,3,7,8-TCDD 2.27e5 0.74 NO 1.20 10.344 27.08 1.024 191 98.7 0.269
19 13C-1,2,3,7,8-PeCDD 1.60e5 0.62 NO 0.86 10.344 31.21 1.181 188 97.1 0.296
20 13C-1,2,3,4,7,8-HxCDD 1.36e5 1.27 NO 0.60 10.344 34.65 1.014 222 115 0.611
21 13C-1,2,3,6,7,8-HxCDD 1.53e5 1.28 NO 0.67 10.344 34.78 1.018 221 114 0.543
22 13C-1,2,3,7,8,9-HxCDD 1.57e5 1.26 NO 0.68 10.344 35.09 1.027 226 117 0.539
23 13C-1,2,3,4,6,7,8-HpCDD 1.20e5 1.06 NO 0.58 10.344 38.48 1.126 210 109 0.776
24 13C-OCDD 1.63e5 0.90 NO 0.59 10.344 42.07 1.231 329 82.9 0.479
25 13C-2,3,7,8-TCDF 3.10e5 0.76 NO 1.03 10.344 26.51 1.003 191 98.6 0.263
26 13C-1,2,3,7,8-PeCDF 2.57e5 1.58 NO 0.81 10.344 30.06 1.138 201 104 0.376
27 13C-2,3,4,7,8-PeCDF 2.43e5 1.64 NO 0.75 10.344 31.05 1.175 205 106 0.404
28 13C-1,2,3,4,7,8-HxCDF 2.12e5 0.51 NO 0.97 10.344 33.66 0.986 213 110 0.527
29 13C-1,2,3,6,7,8-HxCDF 2.49e5 0.52 NO 1.08 10.344 33.82 0.990 216 112 0.471
30 13C-2,3,4,6,7,8-HxCDF 2.22e5 0.52 NO 0.96 10.344 34.54 1.011 225 117 0.532
31 13C-1,2,3,7,8,9-HxCDF 1.97e5 0.52 NO 0.87 10.344 35.66 1.044 229 114 0.587
32 13C-1,2,3,4,6,7,8-HpCDF 1.77e5 0.43 NO 0.79 10.344 37.24 1.090 217 112 0.660
210406D1_8
USMPDI-058RAB-10-20-210317 2103216-02 USMPDI-058RAB-10-20-210317 12.32
F5:Voltage SIR,EI+
441.743
4.975e+004
100
%
0
min
210406D1_8
USMPDI-058RAB-10-20-210317 2103216-02 USMPDI-058RAB-10-20-210317 12.32
F5:Voltage SIR,EI+
443.740
2.860e+004
42.14
42.64
210406D1_8
USMPDI-058RAB-10-20-210317 2103216-02 USMPDI-058RAB-10-20-210317 12.32
F5:Voltage SIR,EI+
453.7831
9.025e+005
13C-OCDF;42.42;109449.52;900269
210406D1_8
USMPDI-058RAB-10-20-210317 2103216-02 USMPDI-058RAB-10-20-210317 12.32
F5:Voltage SIR,EI+
455.780
1.010e+006
13C-OCDF;42.44;123996.41;1007938
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 43.10 43.20 43.30 43.40 43.50 43.60
Ready
210406D1_8
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Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_8, Date: 06-Apr-2021, Time: 13:44:08, ID: 2103216-02 USMPDI-058RAB-10-20-210317 12.32, Description: USMPDI-058RAB-10-20-210317

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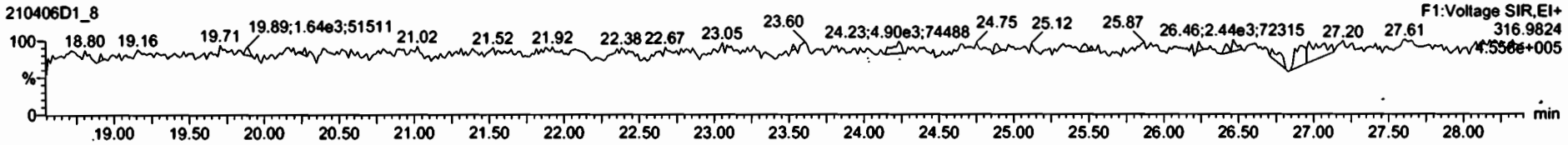

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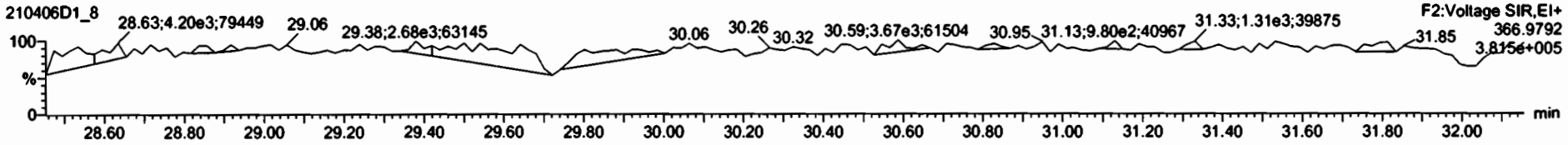

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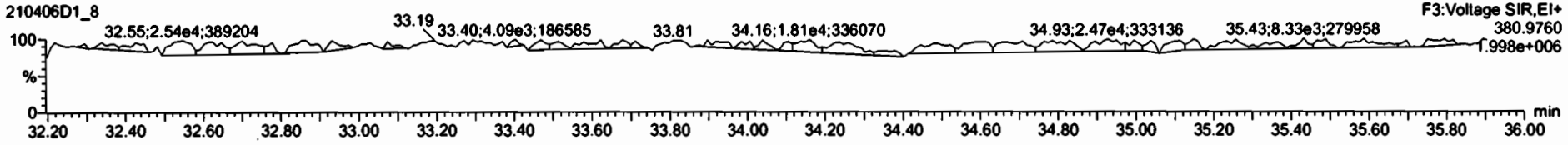

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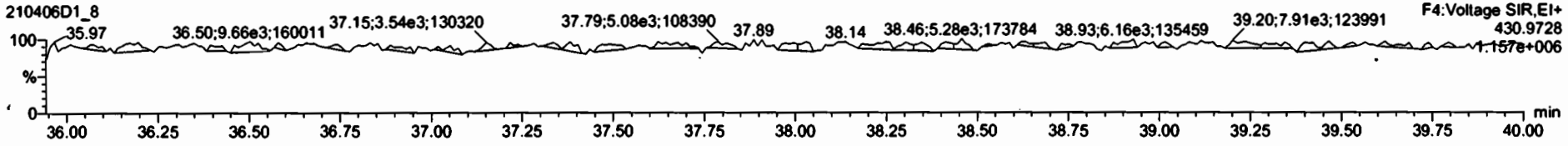

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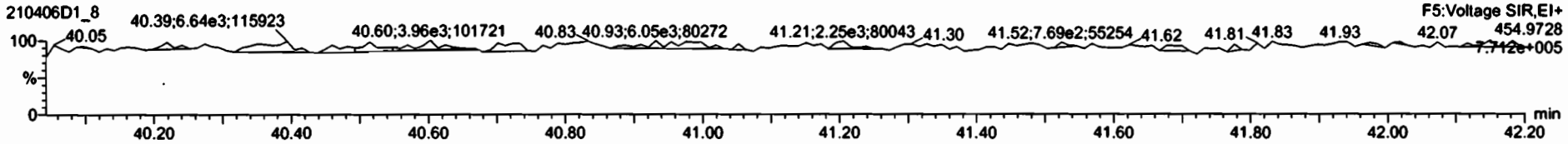


Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-9.qld

Last Altered: Wednesday, April 21, 2021 12:03:00 Pacific Daylight Time
Printed: Wednesday, April 21, 2021 12:05:10 Pacific Daylight Time

DF 04/21/21

C 04/21/2021

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_4-6-21.mdb 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210406D1_9, Date: 06-Apr-2021, Time: 14:30:53, ID: 2103216-03 USMPDI-058RAB-20-26.2-210317 14.36, Description: USMPDI-058RAB-20-26.2-210317, Task: ST210406D1-2

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD										0.0626	
2	1,2,3,7,8-PeCDD			NO	0.961	10.098					0.105	
3	1,2,3,4,7,8-HxCDD			NO	1.18	10.098					0.134	
4	1,2,3,6,7,8-HxCDD			NO	1.04	10.098					0.141	
5	1,2,3,7,8,9-HxCDD			NO	1.06	10.098					0.144	
6	1,2,3,4,6,7,8-HpCDD	4.82e2	1.13	NO	1.06	10.098	38.46	1.000	1.0046		0.291	1.00
7	OCDD	2.57e3	0.92	NO	0.977	10.098	42.04	1.000	9.2263		0.496	9.23
8	2,3,7,8-TCDF			NO	0.989	10.098					0.0580	
9	1,2,3,7,8-PeCDF			NO	1.02	10.098					0.0831	
10	2,3,4,7,8-PeCDF			NO	1.17	10.098					0.0699	
11	1,2,3,4,7,8-HxCDF			NO	1.14	10.098					0.0541	
12	1,2,3,6,7,8-HxCDF			NO	1.04	10.098					0.0603	
13	2,3,4,6,7,8-HxCDF			NO	1.13	10.098					0.0645	
14	1,2,3,7,8,9-HxCDF			NO	1.07	10.098					0.0816	
15	1,2,3,4,6,7,8-HpCDF			NO	1.11	10.098					0.0949	
16	1,2,3,4,7,8,9-HpCDF			NO	1.32	10.098					0.173	
17	OCDF			NO	0.931	10.098					0.230	
18	13C-2,3,7,8-TCDD	1.94e5	0.79	NO	1.20	10.098	27.08	1.024	237.40	120	0.385	
19	13C-1,2,3,7,8-PeCDD	1.36e5	0.63	NO	0.864	10.098	31.21	1.181	231.46	117	0.301	
20	13C-1,2,3,4,7,8-HxCDD	1.05e5	1.28	NO	0.600	10.098	34.65	1.014	222.69	112	0.661	
21	13C-1,2,3,6,7,8-HxCDD	1.18e5	1.27	NO	0.674	10.098	34.78	1.018	223.23	113	0.588	
22	13C-1,2,3,7,8,9-HxCDD	1.18e5	1.35	NO	0.679	10.098	35.09	1.027	221.35	112	0.584	
23	13C-1,2,3,4,6,7,8-HpCDD	8.96e4	1.05	NO	0.558	10.098	38.46	1.126	204.17	103	0.966	
24	13C-OCDD	1.13e5	0.90	NO	0.496	10.098	42.04	1.231	289.94	73.2	0.495	
25	13C-2,3,7,8-TCDF	2.93e5	0.81	NO	1.03	10.098	26.51	1.003	222.47	112	0.355	
26	13C-1,2,3,7,8-PeCDF	2.05e5	1.58	NO	0.805	10.098	30.10	1.139	198.52	100	0.496	
27	13C-2,3,4,7,8-PeCDF	2.00e5	1.60	NO	0.748	10.098	31.05	1.175	208.76	105	0.534	
28	13C-1,2,3,4,7,8-HxCDF	1.66e5	0.50	NO	0.968	10.098	33.68	0.986	217.96	110	0.633	
29	13C-1,2,3,6,7,8-HxCDF	1.86e5	0.50	NO	1.08	10.098	33.83	0.990	218.53	110	0.565	
30	13C-2,3,4,6,7,8-HxCDF	1.67e5	0.53	NO	0.960	10.098	34.54	1.011	221.41	112	0.638	

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-9.qld

Last Altered: Wednesday, April 21, 2021 12:03:00 Pacific Daylight Time
Printed: Wednesday, April 21, 2021 12:05:10 Pacific Daylight Time

Name: 210406D1_9, Date: 06-Apr-2021, Time: 14:30:53, ID: 2103216-03 USMPDI-058RAB-20-26.2-210317 14.36, Description: USMPDI-058RAB-20-26.2-210317, Task: ST210406D1-2

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	1.51e5	0.52	NO	0.869	10.098	35.66	1.044	220.88	112	0.705	
32	13C-1,2,3,4,6,7,8-HpCDF	1.32e5	0.43	NO	0.794	10.098	37.23	1.090	210.82	106	0.734	
33	13C-1,2,3,4,7,8,9-HpCDF	8.88e4	0.41	NO	0.586	10.098	39.25	1.149	192.71	97.3	0.994	
34	13C-OCDF	1.60e5	0.88	NO	0.711	10.098	42.44	1.242	286.11	72.2	2.72	
35	37Cl-2,3,7,8-TCDD	7.36e4			1.11	10.098	27.09	1.025	97.630	123	0.0723	
36	13C-1,2,3,4-TCDD	1.35e5	0.88	NO	1.00	10.098	26.43	1.000	198.06	100	0.463	
37	13C-1,2,3,4-TCDF	2.54e5	0.85	NO	1.00	10.098	25.23	1.000	198.06	100	0.364	
38	13C-1,2,3,4,6,9-HxCDF	1.56e5	0.51	NO	1.00	10.098	34.16	1.000	198.06	100	0.613	
39	Total Tetra-Dioxins				0.998	10.098			0.00000		0.0345	0.213
40	Total Penta-Dioxins				0.961	10.098			0.00000		0.0670	0.682
41	Total Hexa-Dioxins				1.04	10.098			0.72092		0.147	1.28
42	Total Hepta-Dioxins				1.06	10.098			1.0046		0.291	2.45
43	Total Tetra-Furans				0.989	10.098			0.25066		0.0580	0.251
44	1st Func. Penta-Furans				1.02	10.098					0.0137	
45	Total Penta-Furans				1.02	10.098					0.0343	
46	Total Hexa-Furans				1.13	10.098					0.0389	
47	Total Hepta-Furans				1.11	10.098					0.0697	

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-9.qld

Last Altered: Wednesday, April 21, 2021 12:03:00 Pacific Daylight Time
Printed: Wednesday, April 21, 2021 12:05:10 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_4-6-21.mdb 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210406D1_9, Date: 06-Apr-2021, Time: 14:30:53, ID: 2103216-03 USMPDI-058RAB-20-26.2-210317 14.36, Description: USMPDI-058RAB-20-26.2-210317, Task: ST210406D1-2

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	25.36	4.105e3	2.168e3	1.126e2	1.178e2	0.96	YES	0.000e0	0.00000	0.21296	0.0686

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	30.08	1.119e4	3.633e3	4.800e2	1.648e2	2.91	YES	0.000e0	0.00000	0.40669	0.105
2	Total Penta-Dioxins	31.05	7.013e3	1.930e3	3.590e2	1.114e2	3.22	YES	0.000e0	0.00000	0.27490	0.105

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	32.88	5.371e3	3.956e3	2.434e2	1.875e2	1.30	NO	4.309e2	0.72092	0.72092	0.147
2	Total Hexa-Dioxins	33.82	6.379e3	2.765e3	3.719e2	1.485e2	2.51	YES	0.000e0	0.00000	0.55634	0.147

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.52	6.092e3	6.008e3	4.073e2	3.393e2	1.20	YES	0.000e0	0.00000	1.4436	0.291
2	1,2,3,4,6,7,8-HpCDD	38.46	3.674e3	2.997e3	2.556e2	2.261e2	1.13	NO	4.816e2	1.0046	1.0046	0.291

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	23.34	2.772e3	3.233e3	1.721e2	1.947e2	0.88	NO	3.668e2	0.25066	0.25066	0.0580

Penta-Furans function 1

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

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-9.qld

Last Altered: Wednesday, April 21, 2021 12:03:00 Pacific Daylight Time
Printed: Wednesday, April 21, 2021 12:05:10 Pacific Daylight Time

Name: 210406D1_9, Date: 06-Apr-2021, Time: 14:30:53, ID: 2103216-03 USMPDI-058RAB-20-26.2-210317 14.36, Description: USMPDI-058RAB-20-26.2-210317, Task: ST210406D1-2

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

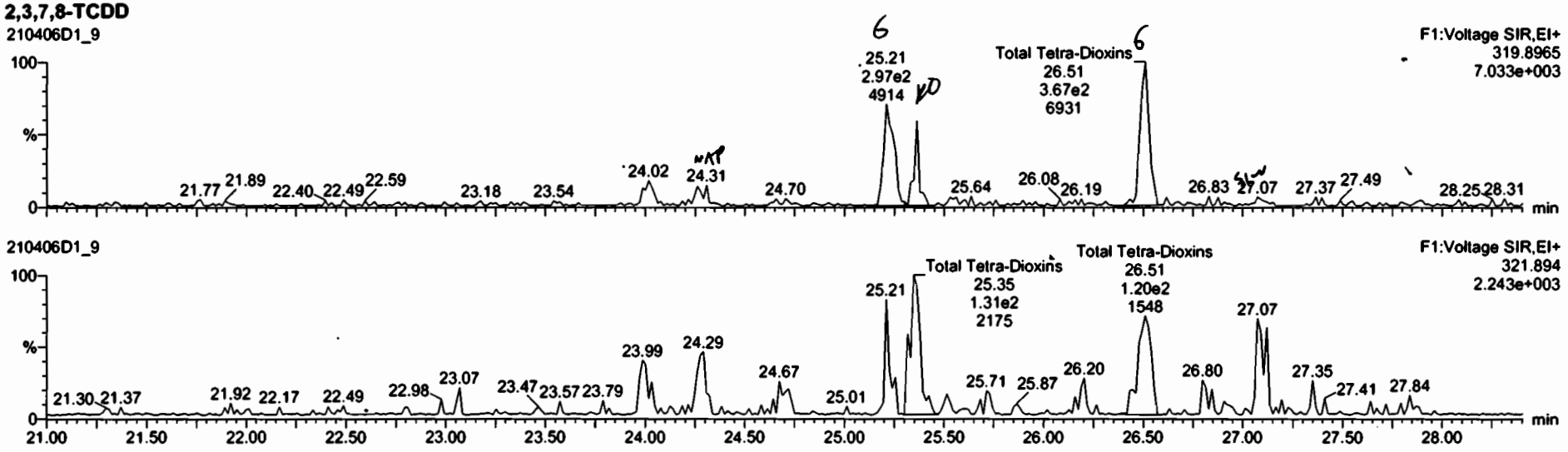
	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

Dataset: Untitled

Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_9, Date: 06-Apr-2021, Time: 14:30:53, ID: 2103216-03 USMPDI-058RAB-20-26.2-210317 14.36, Description: USMPDI-058RAB-20-26.2-210317

2,3,7,8-TCDD



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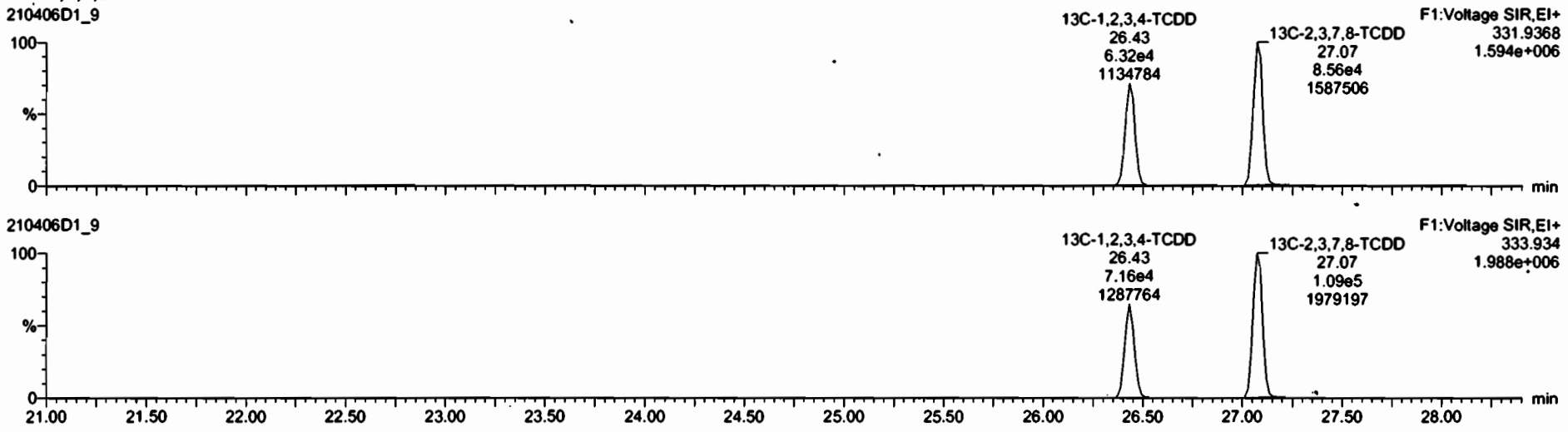


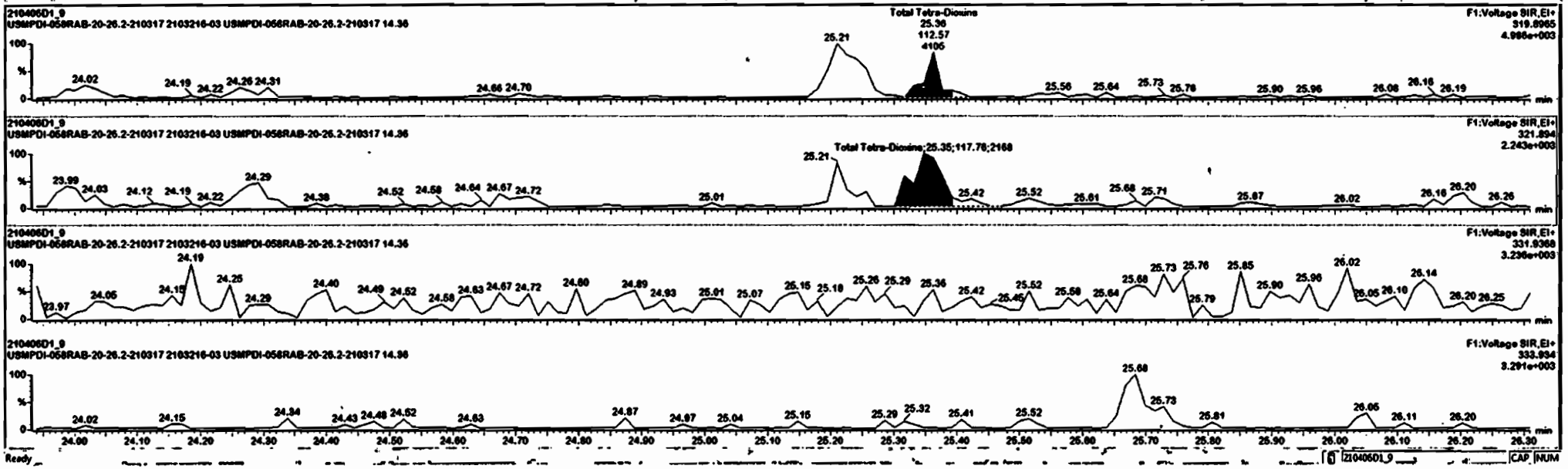
TargetLynx - 210406D1-9.qld - Chromatogram

File Edit View Display Processing Window Help

210406D1_9 - 2103216-03 USMPDI-056RAB-20-26.2-210317 14.36 - USMPDI-056RAB-20-26.2-210317

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
23	13C-1,2,3,4,6,7,8-HpCDD	6.96e4	1.05	NO	0.56	10.096	38.46	1.126	204	103	0.966	
24	13C-OCDD	1.13e5	0.90	NO	0.50	10.096	42.04	1.231	290	73.2	0.495	
25	13C-2,3,7,8-TCDF	2.93e5	0.81	NO	1.03	10.096	26.51	1.003	222	112	0.355	
26	13C-1,2,3,7,8-PeCDF	2.05e5	1.58	NO	0.81	10.096	30.10	1.139	199	100	0.496	
27	13C-2,3,4,7,8-PeCDF	2.00e5	1.60	NO	0.75	10.096	31.05	1.175	209	105	0.534	
28	13C-1,2,3,4,7,8-HxCDF	1.68e5	0.50	NO	0.97	10.096	33.66	0.988	218	110	0.633	
29	13C-1,2,3,6,7,8-HxCDF	1.86e5	0.50	NO	1.08	10.096	33.83	0.999	219	110	0.585	
30	13C-2,3,4,6,7,8-HxCDF	1.67e5	0.53	NO	0.96	10.096	34.54	1.011	221	112	0.638	
31	13C-1,2,3,7,8,9-HxCDF	1.51e5	0.52	NO	0.87	10.096	35.66	1.044	221	112	0.705	
32	13C-1,2,3,4,6,7,8-HpCDF	1.32e5	0.43	NO	0.79	10.096	37.23	1.099	211	106	0.734	
33	13C-1,2,3,4,7,8,9-HpCDF	8.88e4	0.41	NO	0.59	10.096	39.25	1.149	193	97.3	0.994	
34	13C-OCDF	1.60e5	0.88	NO	0.71	10.096	42.44	1.242	286	72.2	2.72	
35	37Cl-2,3,7,8-TCDD	7.36e4			1.11	10.096	27.09	1.025	97.6	123	0.0723	
36	13C-1,2,3,4-TCDD	1.35e5	0.88	NO	1.00	10.096	26.43	1.000	198	100	0.463	
37	13C-1,2,3,4-TCDF	2.54e5	0.85	NO	1.00	10.096	25.23	1.000	198	100	0.364	

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Tetra-Dioxins	25.36	1.126e2	1.178e2	0.96	YES	0.21295	0.00009



Ready

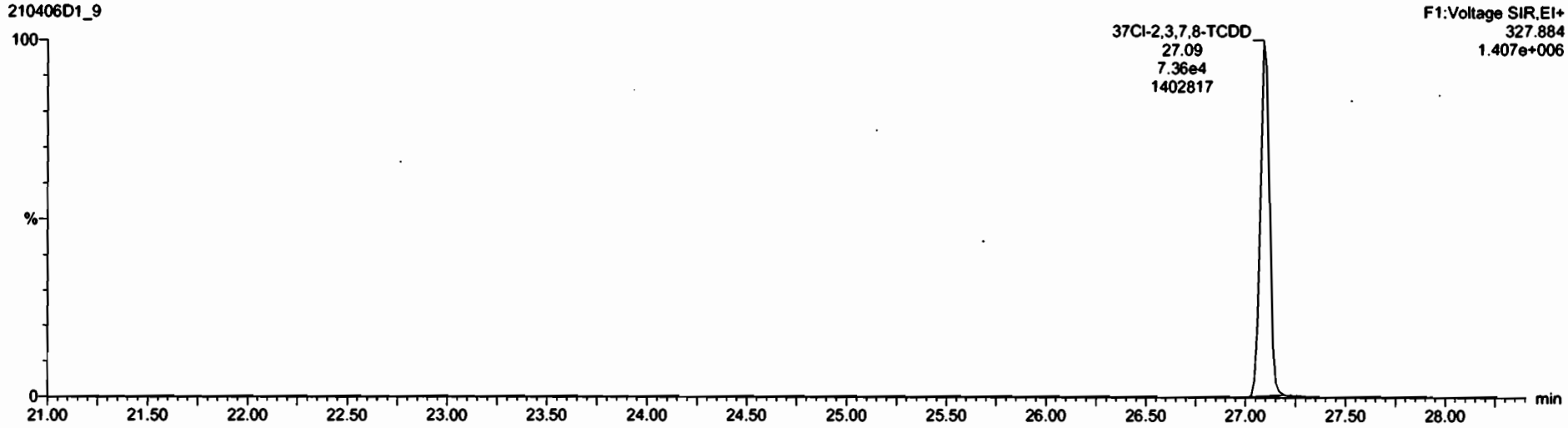
210406D1_9 CAP NUM

Dataset: Untitled

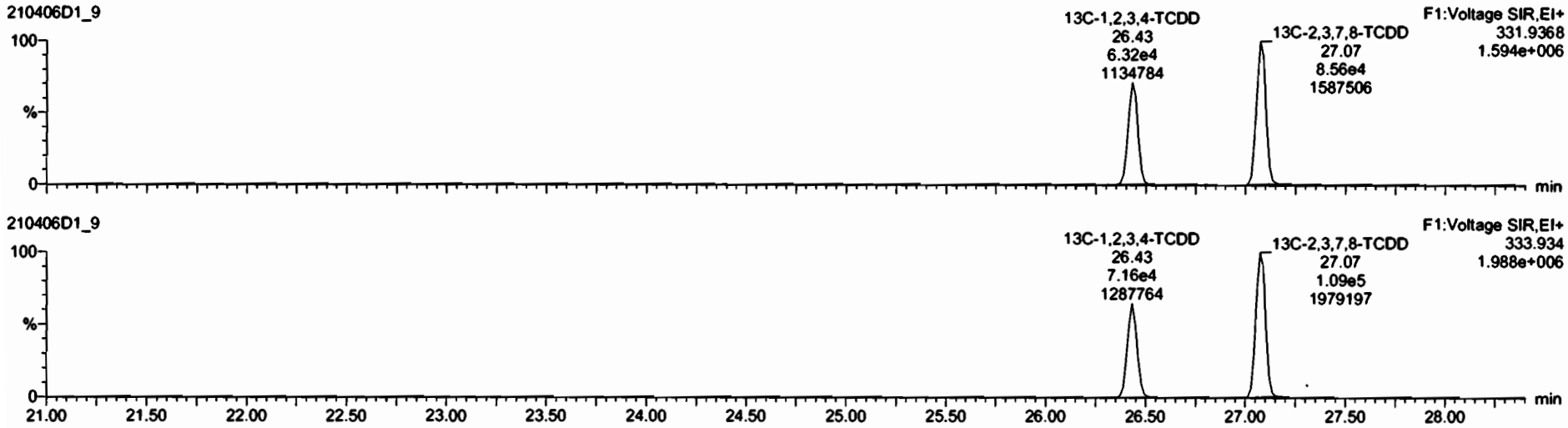
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_9, Date: 06-Apr-2021, Time: 14:30:53, ID: 2103216-03 USMPDI-058RAB-20-26.2-210317 14.36, Description: USMPDI-058RAB-20-26.2-210317

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



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



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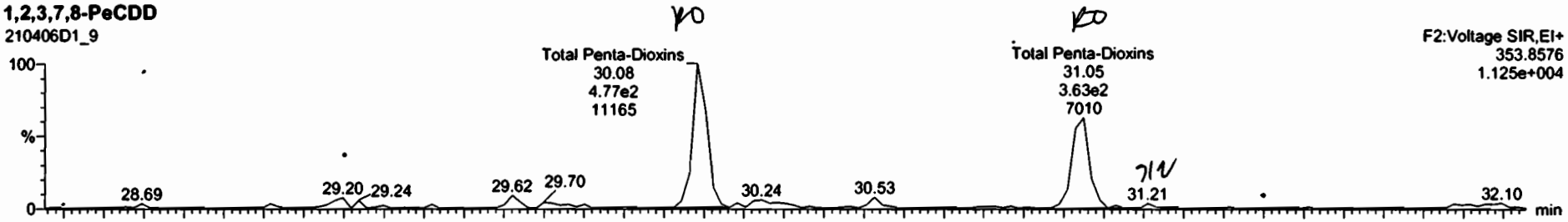
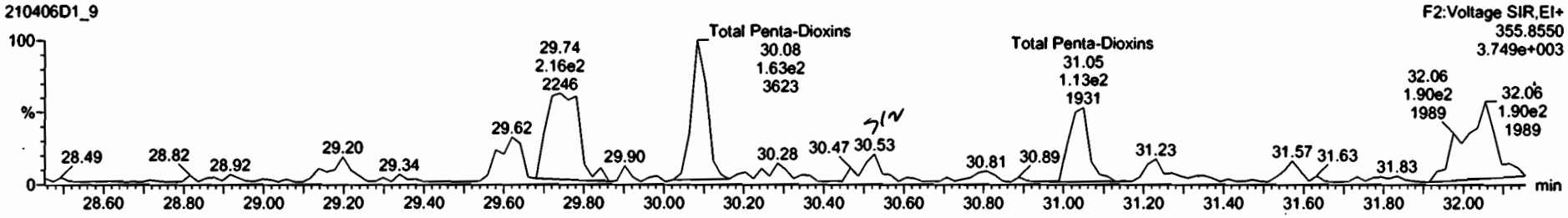
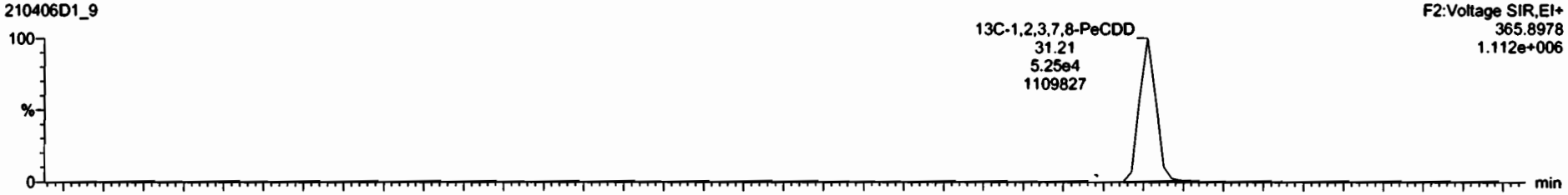
Name: 210406D1_9, Date: 06-Apr-2021, Time: 14:30:53, ID: 2103216-03 USMPDI-058RAB-20-26.2-210317 14.36, Description: USMPDI-058RAB-20-26.2-210317

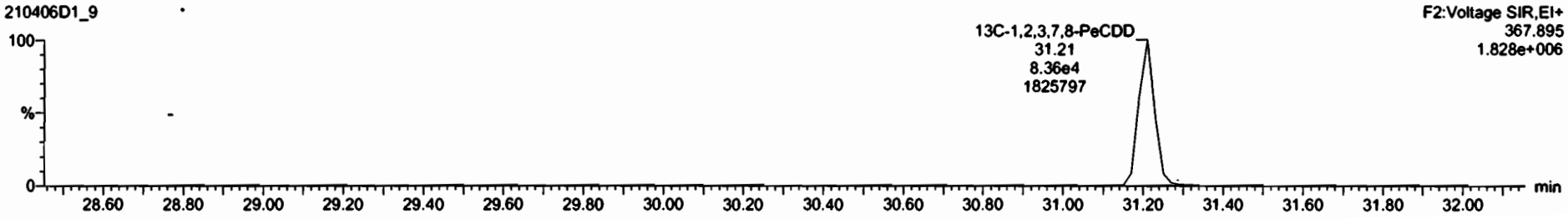
1,2,3,7,8-PeCDD

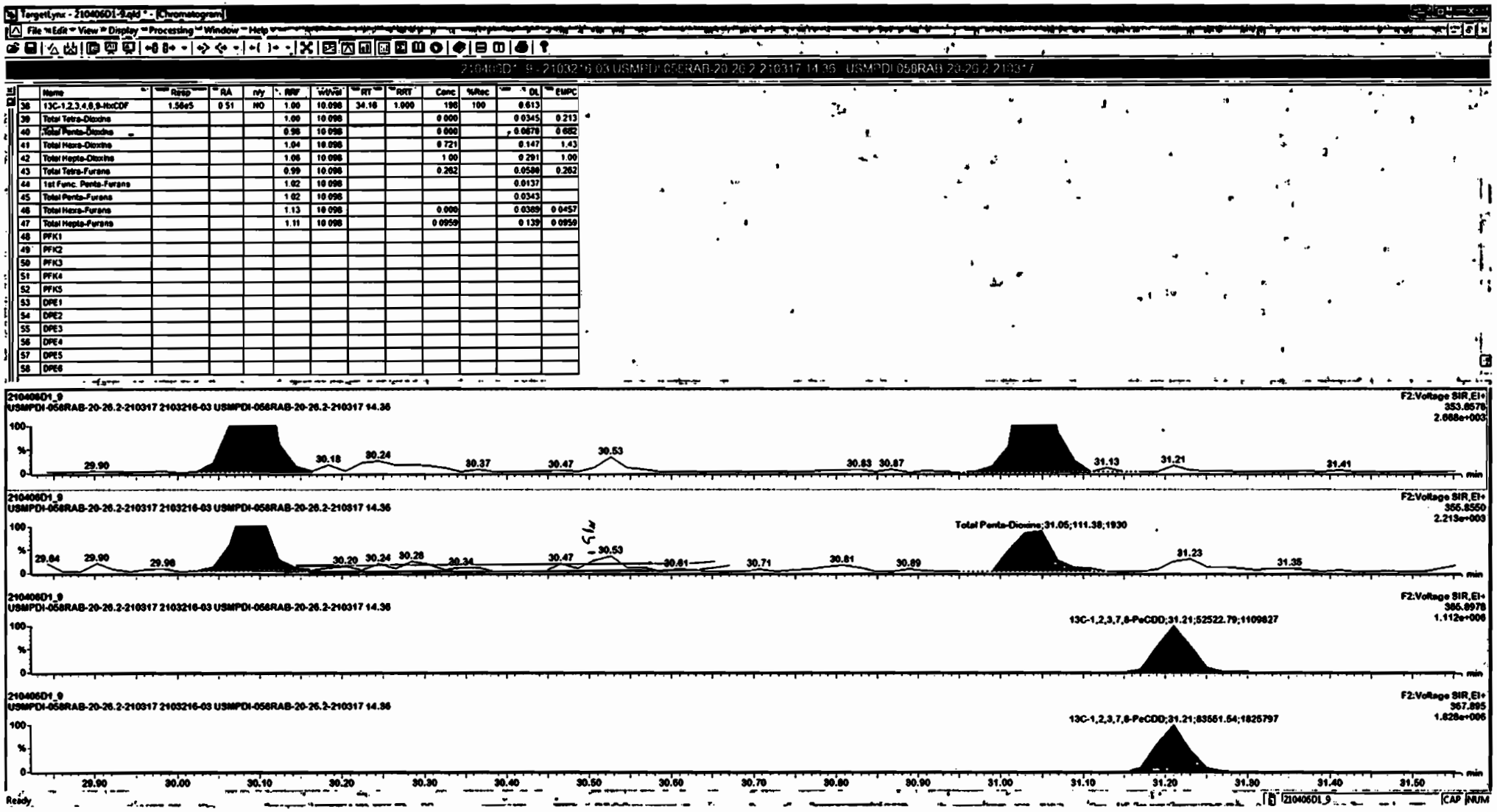




13C-1,2,3,7,8-PeCDD







	Name	Resp	RA	n/y	RRF	wtVal	RT	RRT	Conc	%Rec	DL	EMPC
38	13C-1,2,3,4,8,9-HxCDF	1.56e5	0.51	NO	1.00	10.000	34.16	1.000	198	100	0.613	
39	Total Tetra-Dioxins				1.00	10.000			0.000		0.0345	0.213
40	Total Penta-Dioxins				0.98	10.000			0.000		0.0878	0.682
41	Total Hexa-Dioxins				1.04	10.000			0.721		0.147	1.43
42	Total Hepta-Dioxins				1.06	10.000			1.00		0.291	1.00
43	Total Tetra-Furans				0.99	10.000			0.262		0.0586	0.262
44	1st Func. Penta-Furans				1.02	10.000					0.0137	
45	Total Penta-Furans				1.02	10.000					0.0343	
46	Total Hexa-Furans				1.13	10.000			0.000		0.0389	0.0457
47	Total Hepta-Furans				1.11	10.000			0.0959		0.139	0.0959
48	PFK1											
49	PFK2											
50	PFK3											
51	PFK4											
52	PFK5											
53	DPE1											
54	DPE2											
55	DPE3											
56	DPE4											
57	DPE5											
58	DPE6											

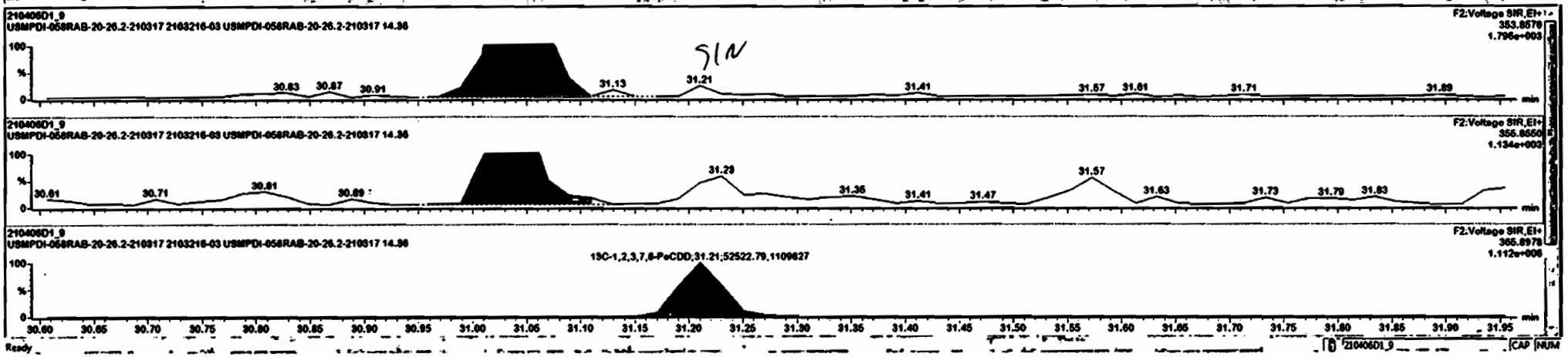
TargetLynx - 210406D1-9.qld * - [Chromatogram]

File Edit View Display Processing Window Help

210406D1_9 2103216-03 USMPDI-058RAB-20-26.2-210317 14.36 - USMPDI-058RAB-20-26.2-210317

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
26	13C-1,2,3,7,8-PeCDF	2.05e5	1.58	NO	0.81	10.096	30.10	1.139	199	100	0.496	
27	13C-2,3,4,7,8-PeCDF	2.00e5	1.60	NO	0.75	10.096	31.05	1.175	209	105	0.534	
28	13C-1,2,3,4,7,8-HxCDF	1.66e5	0.50	NO	0.97	10.096	33.68	0.986	218	110	0.633	
29	13C-1,2,3,6,7,8-HxCDF	1.86e5	0.50	NO	1.06	10.096	33.83	0.999	219	110	0.565	
30	13C-2,3,4,6,7,8-HxCDF	1.67e5	0.53	NO	0.96	10.096	34.54	1.011	221	112	0.636	
31	13C-1,2,3,7,8,9-HxCDF	1.51e5	0.52	NO	0.87	10.096	35.66	1.044	221	112	0.705	
32	13C-1,2,3,4,6,7,8-HpCDF	1.32e5	0.43	NO	0.79	10.096	37.23	1.090	211	106	0.734	
33	13C-1,2,3,4,7,8,9-HpCDF	8.88e4	0.41	NO	0.59	10.096	39.25	1.149	193	97.3	0.994	
34	13C-OCDF	1.60e5	0.88	NO	0.71	10.096	42.44	1.242	286	72.2	2.72	
35	37Cl-2,3,7,8-TCDD	7.36e4			1.11	10.096	27.09	1.025	97.6	123	0.0723	
36	13C-1,2,3,4-TCDD	1.35e5	0.88	NO	1.00	10.096	26.43	1.000	198	100	0.463	
37	13C-1,2,3,4-TCDF	2.54e5	0.85	NO	1.00	10.096	25.23	1.000	198	100	0.364	
38	13C-1,2,3,4,6,9-HxCDF	1.56e5	0.51	NO	1.00	10.096	34.16	1.000	198	100	0.613	
39	Total Tetra-Dioxins				1.00	10.096			0.000		0.0345	0.213
40	Total Penta-Dioxins				0.98	10.096			0.000		0.0670	0.662
41	Total Hexa-Dioxins				1.04	10.096			0.721		0.147	1.43
42	Total Hepta-Dioxins				1.06	10.096			1.00		0.291	1.00
43	Total Tetra-Furans				0.99	10.096			0.262		0.0580	0.262
44	1st Func. Penta-Furans				1.02	10.096					0.0137	
45	Total Penta-Furans				1.02	10.096					0.0343	
46	Total Hexa-Furans				1.13	10.096			0.000		0.0389	0.0457

	Name	RT	Ion1 Resp	Ion2 Resp	RA	n/y	EMPC	Conc.
1	Total Penta-Dioxins	31.05	3.590e2	1.114e2	3.22	YES	0.27490	0.00000
2	Total Penta-Dioxins	30.88	4.800e2	1.648e2	2.91	YES	0.40869	0.00000



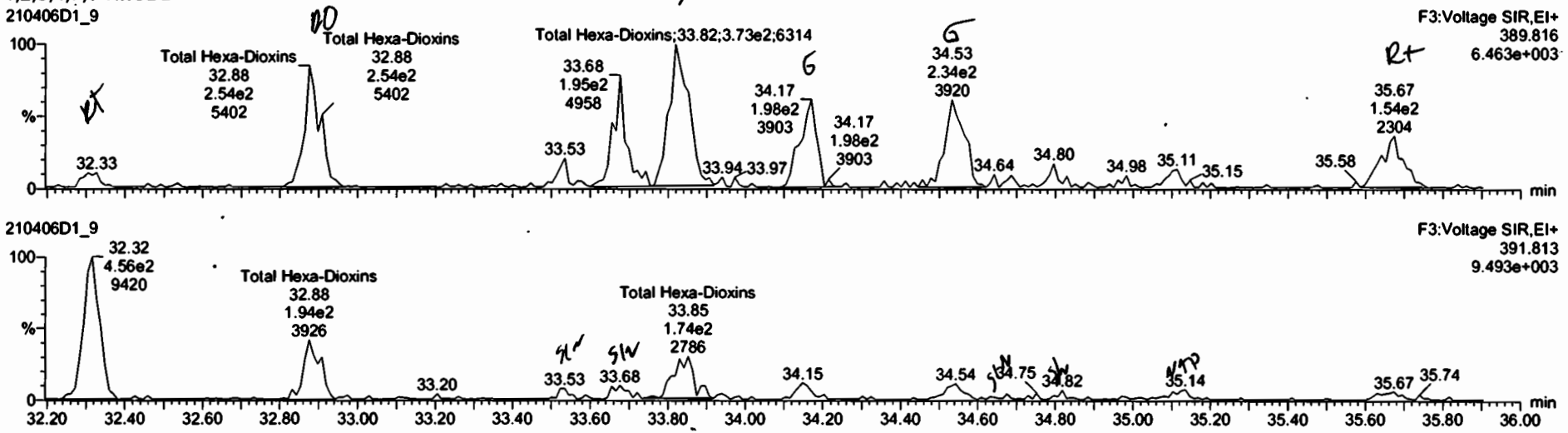
Ready 210406D1_9 CAP NUM

Dataset: Untitled

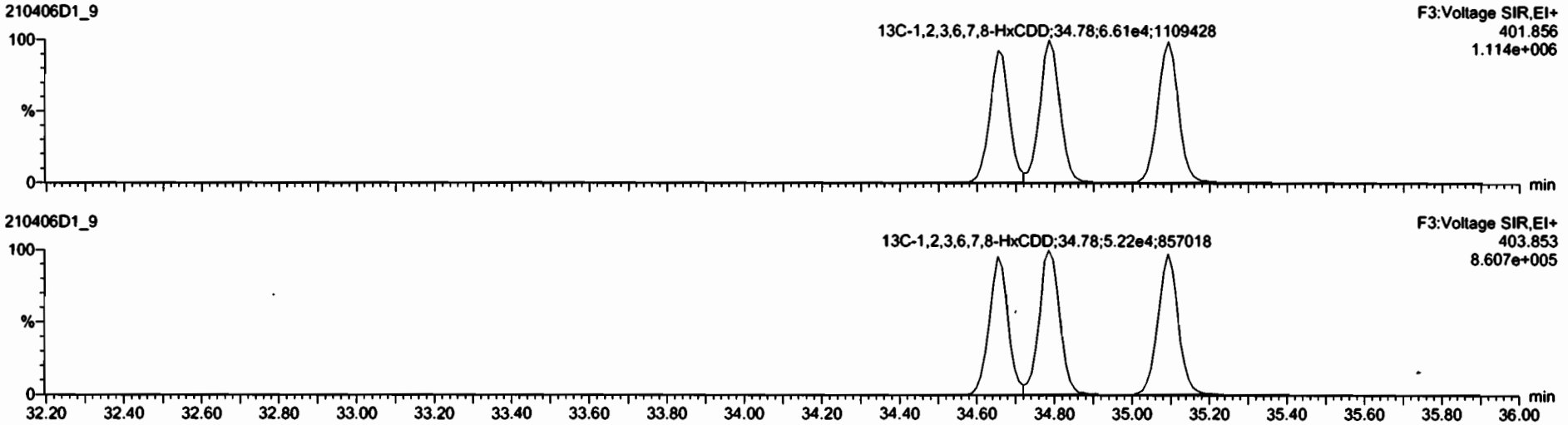
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

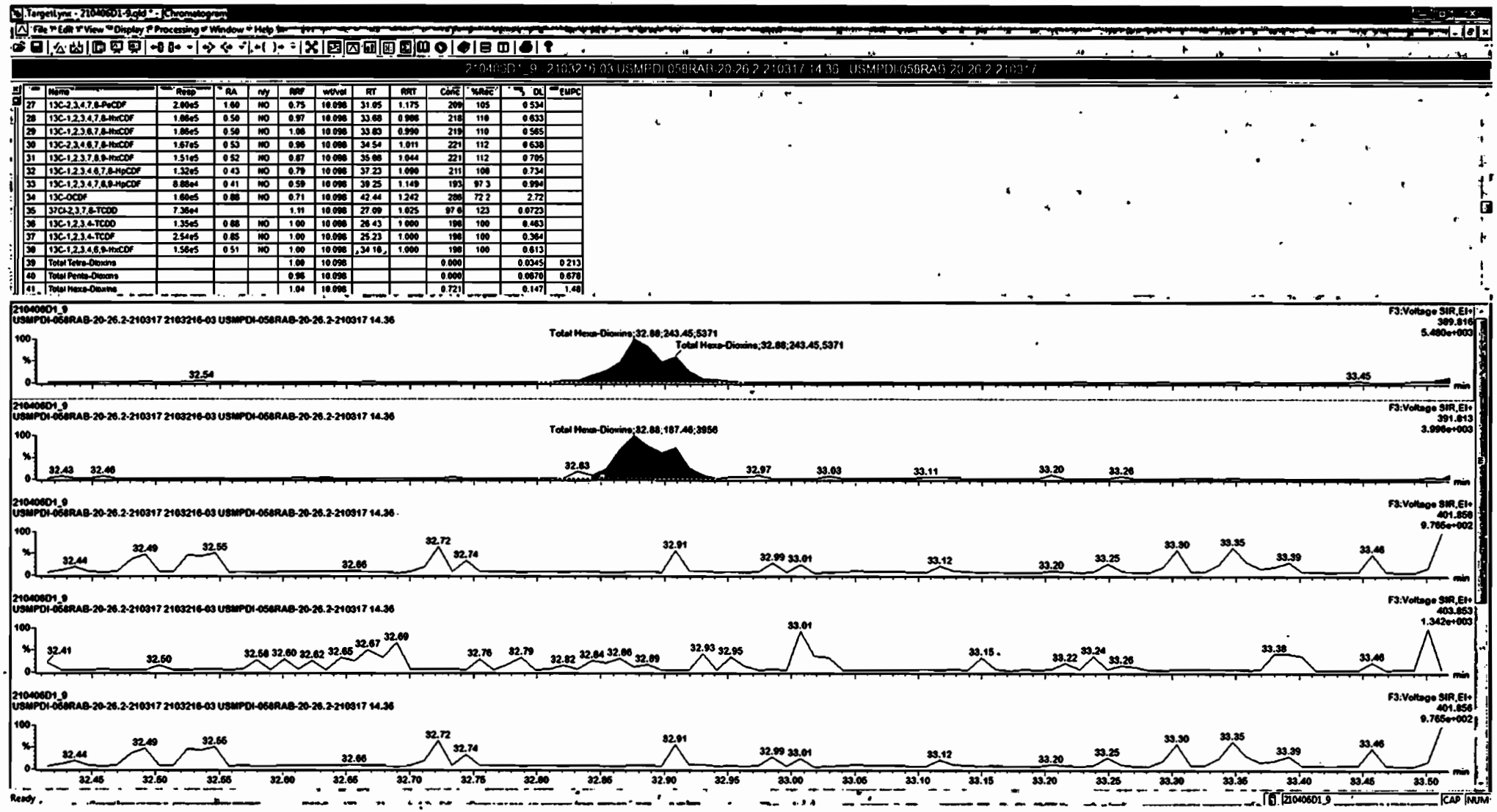
Name: 210406D1_9, Date: 06-Apr-2021, Time: 14:30:53, ID: 2103216-03 USMPDI-058RAB-20-26.2-210317 14.36, Description: USMPDI-058RAB-20-26.2-210317

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



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




TargetLynx - 210406D1-9.qld * - Chromatogram
File Edit View Display Processing Window Help
210406D1_9 2103216-03 USMPDI-058RAB-20-26.2-210317 14.36 USMPDI-058RAB-20-26.2-210317
Name Resp RA rdy RRF wtVol RT RRT Conc %Rec DL EMPC
27 13C-2,3,4,7,8-PeCDF 2.00e5 1.00 NO 0.75 10.000 31.05 1.175 209 105 0.534
28 13C-1,2,3,4,7,8-HxCDF 1.86e5 0.50 NO 0.97 10.000 33.68 0.986 218 110 0.633
29 13C-1,2,3,6,7,8-HxCDF 1.86e5 0.50 NO 1.00 10.000 33.83 0.990 219 110 0.565
30 13C-2,3,4,6,7,8-HxCDF 1.67e5 0.53 NO 0.96 10.000 34.54 1.011 221 112 0.638
31 13C-1,2,3,7,8,9-HxCDF 1.51e5 0.52 NO 0.87 10.000 35.66 1.044 221 112 0.705
32 13C-1,2,3,4,6,7,8-HpCDF 1.32e5 0.43 NO 0.79 10.000 37.23 1.090 211 106 0.734
33 13C-1,2,3,4,7,8,9-HpCDF 8.86e4 0.41 NO 0.59 10.000 39.25 1.149 193 97.3 0.994
34 13C-OCDF 1.60e5 0.86 NO 0.71 10.000 42.44 1.242 286 72.2 2.72
35 37Cl-2,3,7,8-TCDD 7.36e4 1.11 10.000 27.09 1.025 97.6 123 0.0723
36 13C-1,2,3,4-TCDD 1.35e5 0.88 NO 1.00 10.000 26.43 1.000 198 100 0.483
37 13C-1,2,3,4-TCDF 2.54e5 0.85 NO 1.00 10.000 25.23 1.000 198 100 0.364
38 13C-1,2,3,4,6,9-HxCDF 1.56e5 0.51 NO 1.00 10.000 34.10 1.000 198 100 0.613
39 Total Tetra-Dioxins 1.00 10.000 0.000 0.0345 0.213
40 Total Penta-Dioxins 0.96 10.000 0.000 0.0670 0.678
41 Total Hexa-Dioxins 1.04 10.000 0.721 0.147 1.48
210406D1_9
USMPDI-058RAB-20-26.2-210317 2103216-03 USMPDI-058RAB-20-26.2-210317 14.36
F3:Voltage SIR,EI+
389.816
5.480e+003
Total Hexa-Dioxins;32.88;243.45;5371
32.54
33.45
F3:Voltage SIR,EI+
391.813
3.996e+003
Total Hexa-Dioxins;32.88;187.46;3956
32.43
32.46
32.83
32.97
33.03
33.11
33.20
33.26
F3:Voltage SIR,EI+
401.856
9.765e+002
32.44
32.49
32.55
32.66
32.72
32.74
32.91
32.99
33.01
33.12
33.20
33.25
33.30
33.35
33.39
33.46
F3:Voltage SIR,EI+
403.853
1.342e+003
32.41
32.50
32.58
32.60
32.62
32.65
32.67
32.69
32.76
32.79
32.82
32.84
32.86
32.89
32.93
32.95
33.01
33.15
33.22
33.24
33.26
33.38
33.46
F3:Voltage SIR,EI+
401.856
9.765e+002
32.44
32.49
32.55
32.66
32.72
32.74
32.91
32.99
33.01
33.12
33.20
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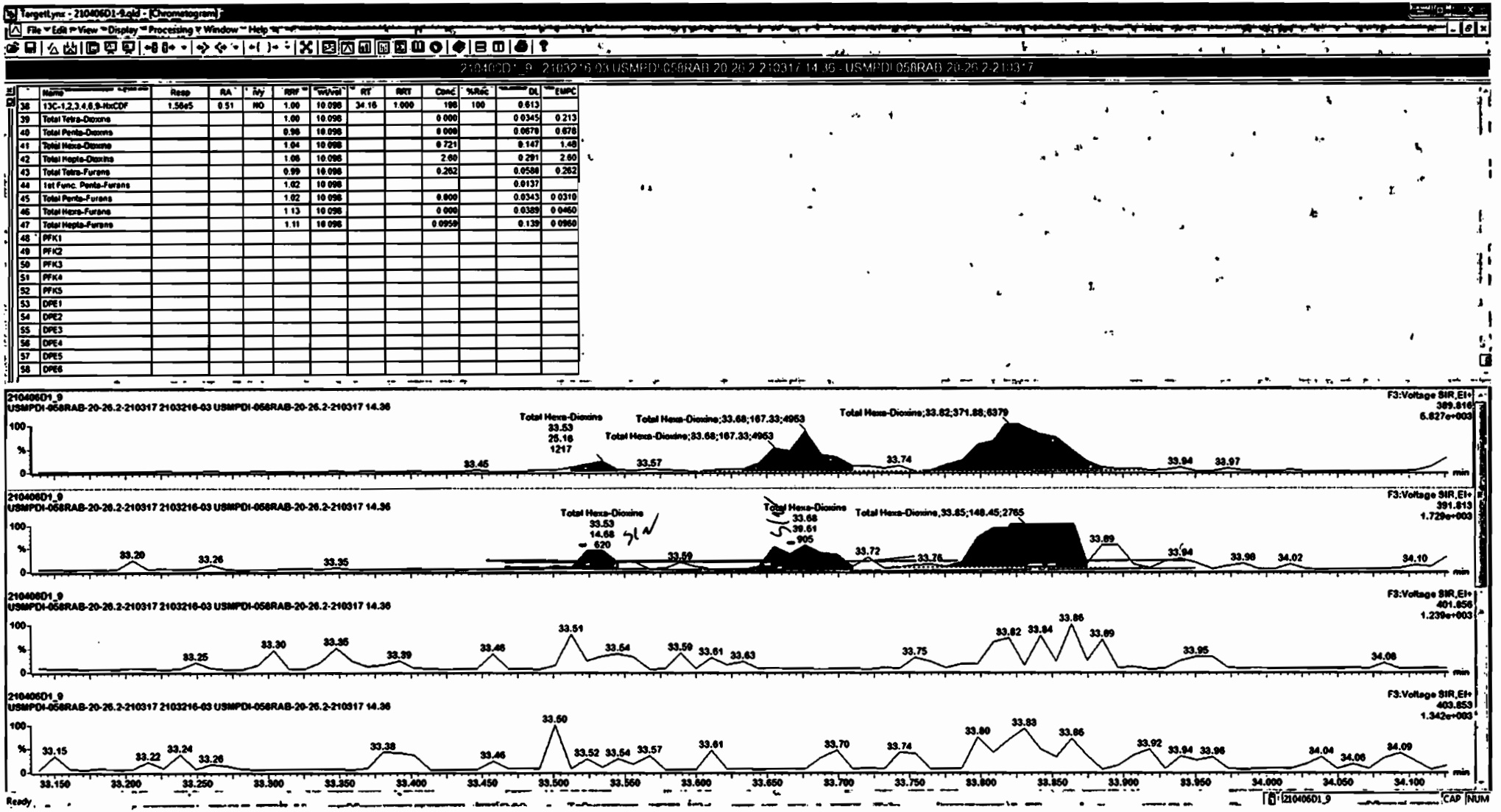
210406D1_9
CAP
NUM



	Name	Resp	RA	Rty	RRF	Wt/Vol	RT	RRT	Conc	%Rec	DL	EMPC
38	13C-1,2,3,4,6,9-HxCDF	1.56e5	0.51	HO	1.00	10.096	34.16	1.000	198	100	0.613	
39	Total Tetra-Dioxins				1.00	10.096			0.000		0.0345	0.213
40	Total Penta-Dioxins				0.96	10.096			0.000		0.0678	0.678
41	Total Hexa-Dioxins				1.04	10.096			0.721		0.147	1.48
42	Total Hepta-Dioxins				1.06	10.096			2.60		0.291	2.60
43	Total Tetra-Furans				0.99	10.096			0.262		0.0586	0.262
44	1st Func. Penta-Furans				1.02	10.096					0.0137	
45	Total Penta-Furans				1.02	10.096			0.000		0.0343	0.0310
46	Total Hexa-Furans				1.13	10.096			0.000		0.0389	0.0460
47	Total Hepta-Furans				1.11	10.096			0.0959		0.139	0.0960
48	PFK1											
49	PFK2											
50	PFK3											
51	PFK4											
52	PFK5											
53	DPE1											
54	DPE2											
55	DPE3											
56	DPE4											
57	DPE5											
58	DPE6											

TargetLynx - 210406D1-9.qld - Chromatogram

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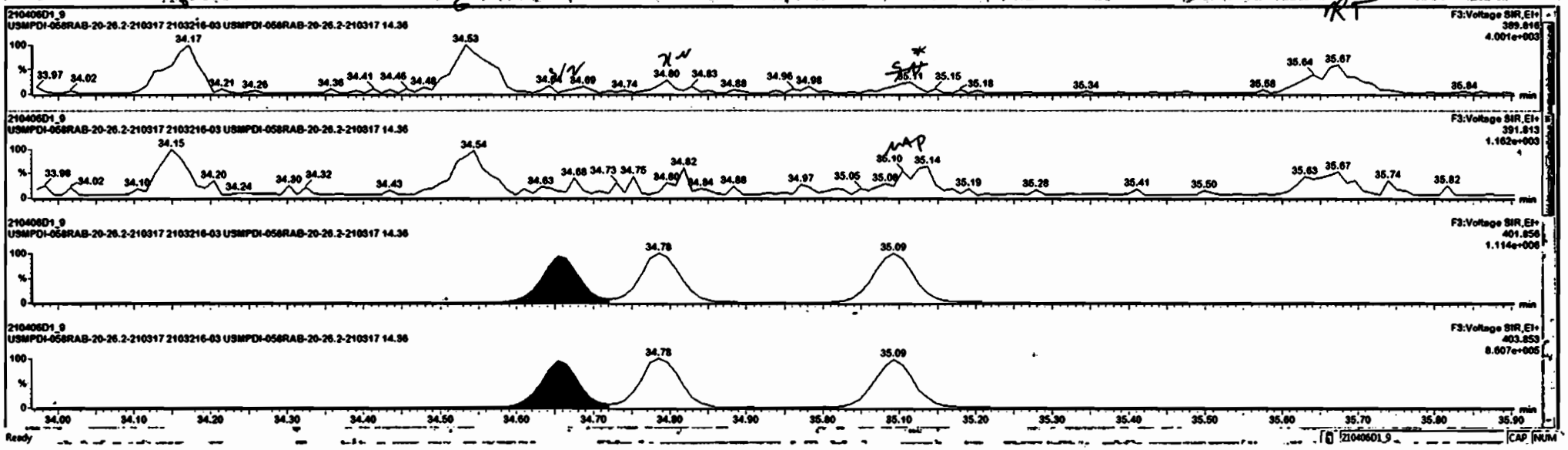
210406D1_9 2103216-03 USMPDI-058RAB-20-26-2-210317 14.36 - USMPDI-058RAB-20-26-2-210317

	Name	Area	RA	n/y	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
38	13C-1,2,3,4,6,9-HxCDF	1.56e5	0.51	NO	1.00	10.096	34.16	1.000	100	100	0.613	
39	Total Tetra-Dioxins				1.00	10.096			0.000		0.0345	0.213
40	Total Penta-Dioxins				0.96	10.096			0.000		0.0670	0.678
41	Total Hexa-Dioxins				1.04	10.096			0.721		0.147	1.48
42	Total Hepta-Dioxins				1.06	10.096			2.60		0.291	2.60
43	Total Tetra-Furans				0.99	10.096			0.262		0.0586	0.262
44	1st Func. Penta-Furans				1.02	10.096					0.0137	
45	Total Penta-Furans				1.02	10.096			0.000		0.0343	0.0310
46	Total Hexa-Furans				1.13	10.096			0.000		0.0389	0.0460
47	Total Hepta-Furans				1.11	10.096			0.0959		0.139	0.0960
48	PFK1											
49	PFK2											
50	PFK3											
51	PFK4											
52	PFK5											
53	DPE1											
54	DPE2											
55	DPE3											
56	DPE4											
57	DPE5											
58	DPE6											

*DF04/08/21

RT



Ready 21040601_9 CAP NUM

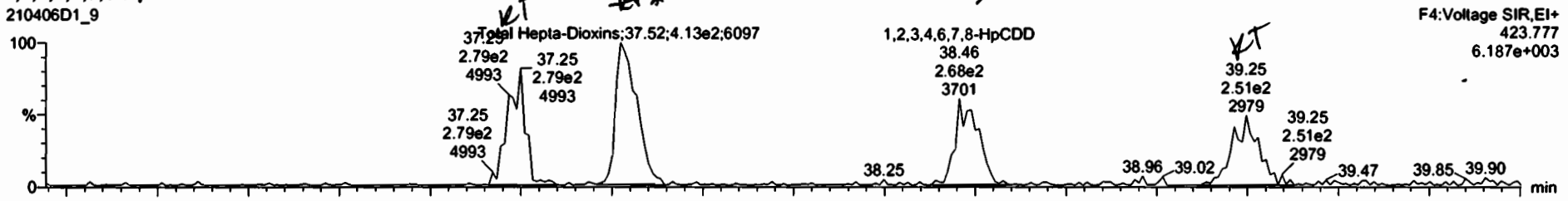
Dataset: Untitled

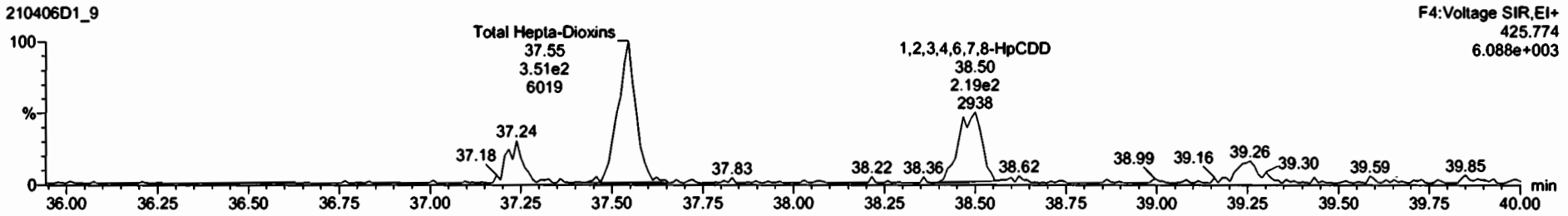
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

*DF 04/21/21

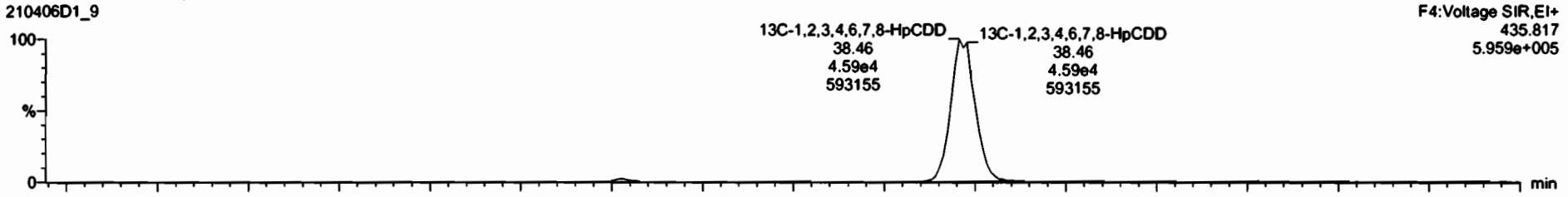
Name: 210406D1_9, Date: 06-Apr-2021, Time: 14:30:53, ID: 2103216-03 USMPDI-058RAB-20-26.2-210317 14.36, Description: USMPDI-058RAB-20-26.2-210317

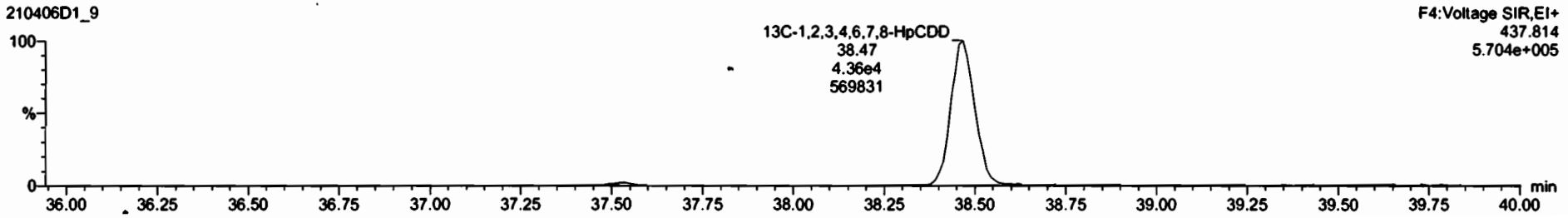
1,2,3,4,6,7,8-HpCDD





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





TargetLynx - 210406D1_9.qld * - Chromatogram

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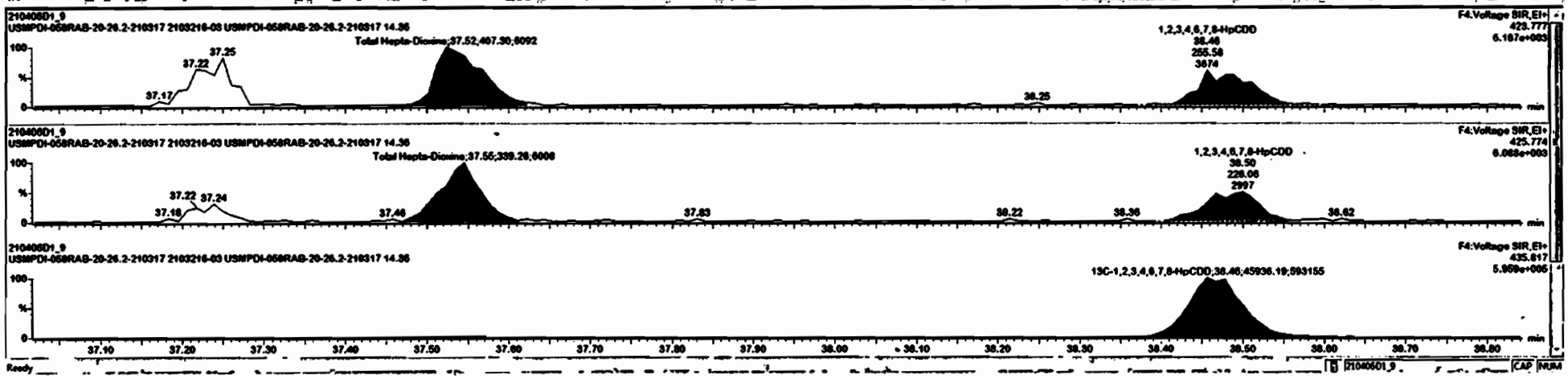
210406D1_9 2103216-03 USMPDI-058RAB-20-26.2-210317 14.36 - USMPDI-058RAB-20-26.2-210317

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
26	13C-1,2,3,7,8-PeCDF	2.05e5	1.58	NO	0.81	10.098	30.10	1.130	199	100	0.496	
27	13C-2,3,4,7,8-PeCDF	2.00e5	1.60	NO	0.75	10.098	31.05	1.175	209	105	0.534	
28	13C-1,2,3,4,7,8-HxCDF	1.66e5	0.50	NO	0.97	10.098	33.68	0.986	218	110	0.633	
29	13C-1,2,3,6,7,8-HxCDF	1.86e5	0.50	NO	1.06	10.098	33.83	0.990	219	110	0.565	
30	13C-2,3,4,6,7,8-HxCDF	1.67e5	0.53	NO	0.96	10.098	34.54	1.011	221	112	0.638	
31	13C-1,2,3,7,8,9-HxCDF	1.51e5	0.52	NO	0.87	10.098	35.66	1.044	221	112	0.705	
32	13C-1,2,3,4,6,7,8-HpCDF	1.32e5	0.43	NO	0.79	10.098	37.23	1.090	211	108	0.734	
33	13C-1,2,3,4,7,8,9-HpCDF	8.88e4	0.41	NO	0.50	10.098	39.25	1.149	193	97.3	0.994	
34	13C-OCDF	1.60e5	0.88	NO	0.71	10.098	42.44	1.242	286	72.2	2.72	
35	37Cl-2,3,7,8-TCDD	7.36e4			1.11	10.098	27.09	1.025	97.6	123	0.0723	
36	13C-1,2,3,4-TCDD	1.35e5	0.88	NO	1.00	10.098	26.43	1.000	198	100	0.463	
37	13C-1,2,3,4-TCDF	2.54e5	0.85	NO	1.00	10.098	25.23	1.000	198	100	0.364	
38	13C-1,2,3,4,6,9-HxCDF	1.56e5	0.51	NO	1.00	10.098	34.16	1.000	198	100	0.613	
39	Total Tetra-Dioxins				1.00	10.098			0.000		0.0345	0.213
40	Total Penta-Dioxins				0.96	10.098			0.000		0.0870	0.082
41	Total Hexa-Dioxins				1.04	10.098			0.721		0.147	1.28
42	Total Hepta-Dioxins				1.06	10.098			1.00		0.291	2.45
43	Total Tetra-Furans				0.99	10.098			0.251		0.0580	0.251
44	1st Func. Penta-Furans				1.02	10.098					0.0137	
45	Total Penta-Furans				1.02	10.098					0.0343	

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	1,2,3,4,6,7,8-HpCDD	38.46	2.556e2	2.261e2	1.13	NO	1.0046	1.0046
2	Total Hepta-Dioxins	37.52	4.073e2	3.393e2	1.20	YES	1.4438	0.00000

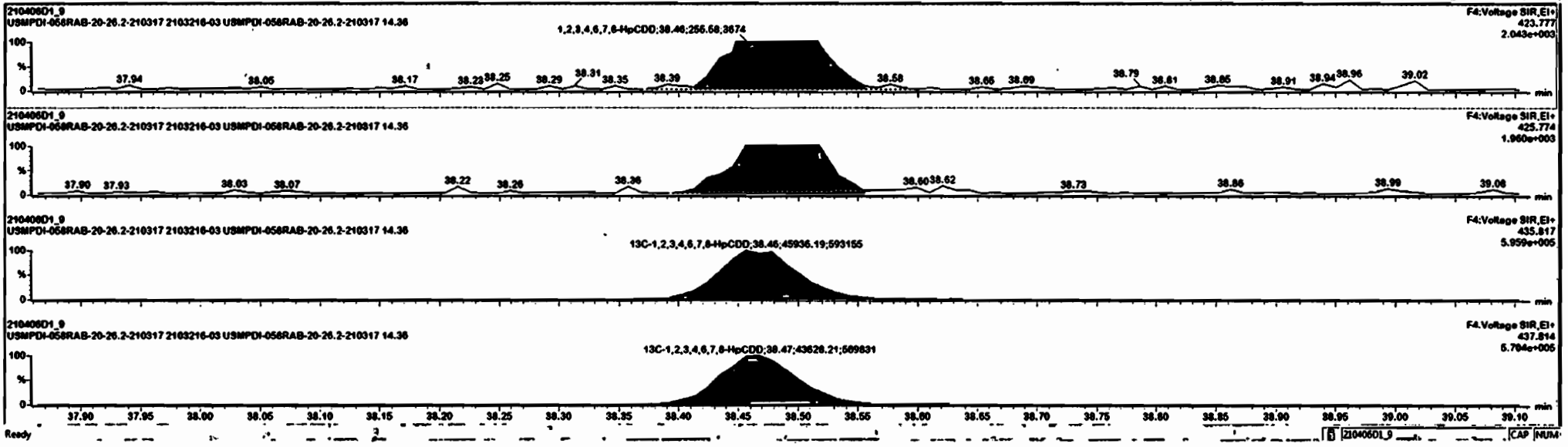


TargetLynx - 210406D1_9.qld * - [Chromatogram]

File Edit View Display Processing Window Help

210406D1_9 - 2103216-03 USMPDI-056RAB-20-26.2-210317 14.36 - USMPDI-056RAB-20-26.2-210317

	Name	Resp	RA	rW	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
24	13C-OCDD	1.13e5	0.90	NO	0.50	10.096	42.04	1.231	290	73.2	0.495	
25	13C-2,3,7,8-TCDF	2.93e5	0.81	NO	1.03	10.096	26.51	1.003	222	112	0.355	
26	13C-1,2,3,7,8-PeCDF	2.05e5	1.58	NO	0.81	10.096	30.10	1.139	199	100	0.496	
27	13C-2,3,4,7,8-PeCDF	2.00e5	1.60	NO	0.75	10.096	31.05	1.175	209	105	0.534	
28	13C-1,2,3,4,7,8-HxCDF	1.66e5	0.50	NO	0.97	10.096	33.68	0.986	218	110	0.633	
29	13C-1,2,3,6,7,8-HxCDF	1.66e5	0.50	NO	1.00	10.096	33.83	0.990	219	110	0.565	
30	13C-2,3,4,6,7,8-HxCDF	1.67e5	0.53	NO	0.98	10.096	34.54	1.011	221	112	0.638	
31	13C-1,2,3,7,8,9-HxCDF	1.51e5	0.52	NO	0.87	10.096	35.66	1.044	221	112	0.795	
32	13C-1,2,3,4,6,7,8-HpCDF	1.32e5	0.43	NO	0.79	10.096	37.23	1.090	211	106	0.734	
33	13C-1,2,3,4,7,8,9-HpCDF	8.88e4	0.41	NO	0.59	10.096	39.25	1.149	193	97.3	0.994	
34	13C-OCDF	1.60e5	0.88	NO	0.71	10.096	42.44	1.242	286	72.2	2.72	
35	37Cl-2,3,7,8-TCDD	7.36e4			1.11	10.096	27.09	1.025	97.6	123	0.0723	
36	13C-1,2,3,4-TCDD	1.35e5	0.88	NO	1.00	10.096	26.43	1.000	198	100	0.463	
37	13C-1,2,3,4-TCDF	2.54e5	0.85	NO	1.00	10.096	25.23	1.000	198	100	0.364	
38	13C-1,2,3,4,6,9-HxCDF	1.56e5	0.51	NO	1.00	10.096	34.16	1.000	198	100	0.613	
39	Total Tetra-Dioxins				1.00	10.096			0.000		0.0345	0.213
40	Total Penta-Dioxins				0.98	10.096			0.000		0.0670	0.678
41	Total Hexa-Dioxins				1.04	10.096			0.721		0.147	1.48
42	Total Hepta-Dioxins				1.05	10.096			1.00		0.291	1.00
43	Total Tetra-Furans				0.99	10.096			0.262		0.0580	0.262
44	1st Func. Penta-Furans				1.02	10.096					0.0137	



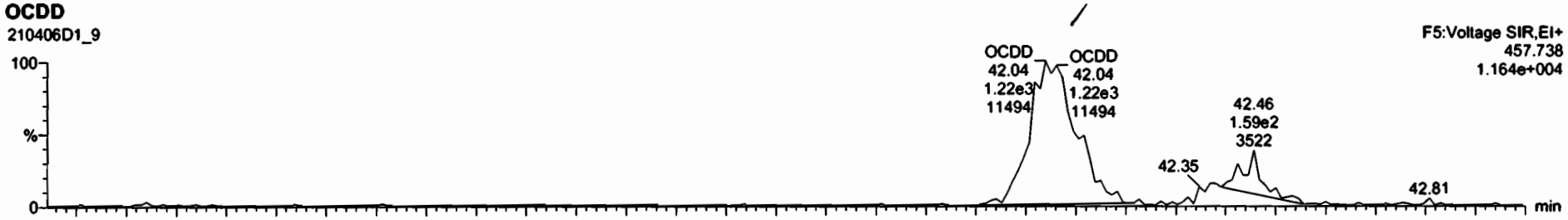
Ready

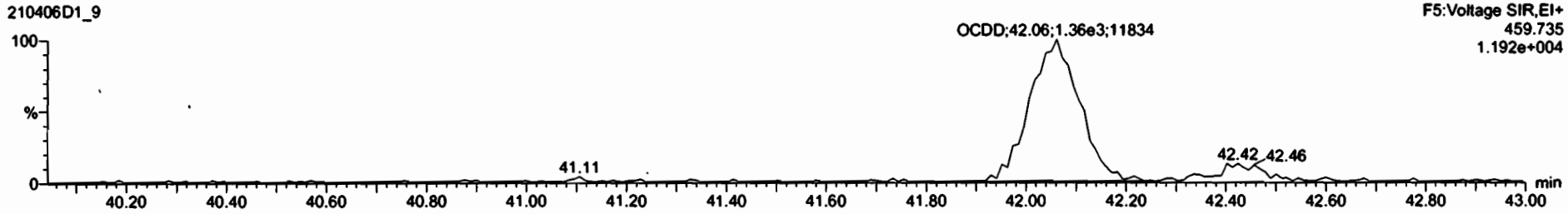
Dataset: Untitled

Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

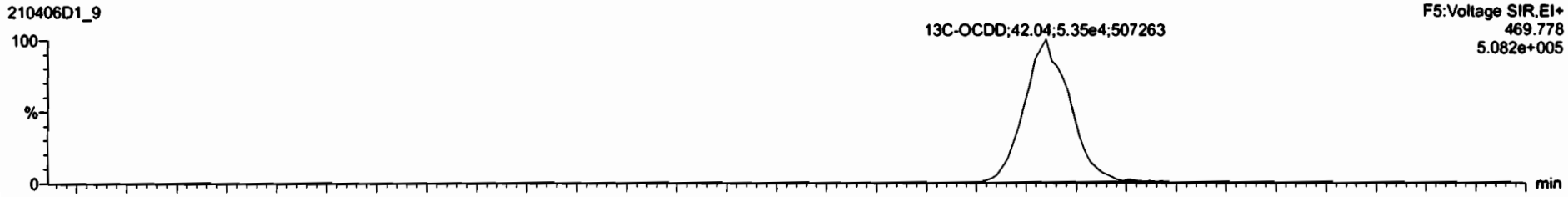
Name: 210406D1_9, Date: 06-Apr-2021, Time: 14:30:53, ID: 2103216-03 USMPDI-058RAB-20-26.2-210317 14.36, Description: USMPDI-058RAB-20-26.2-210317

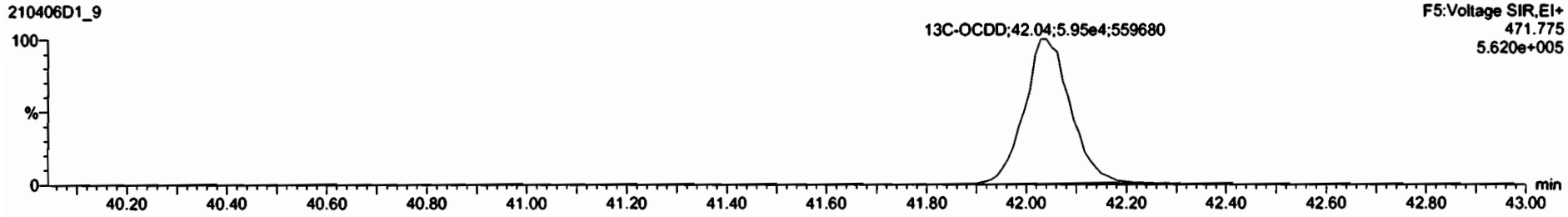
OCDD





13C-OCDD



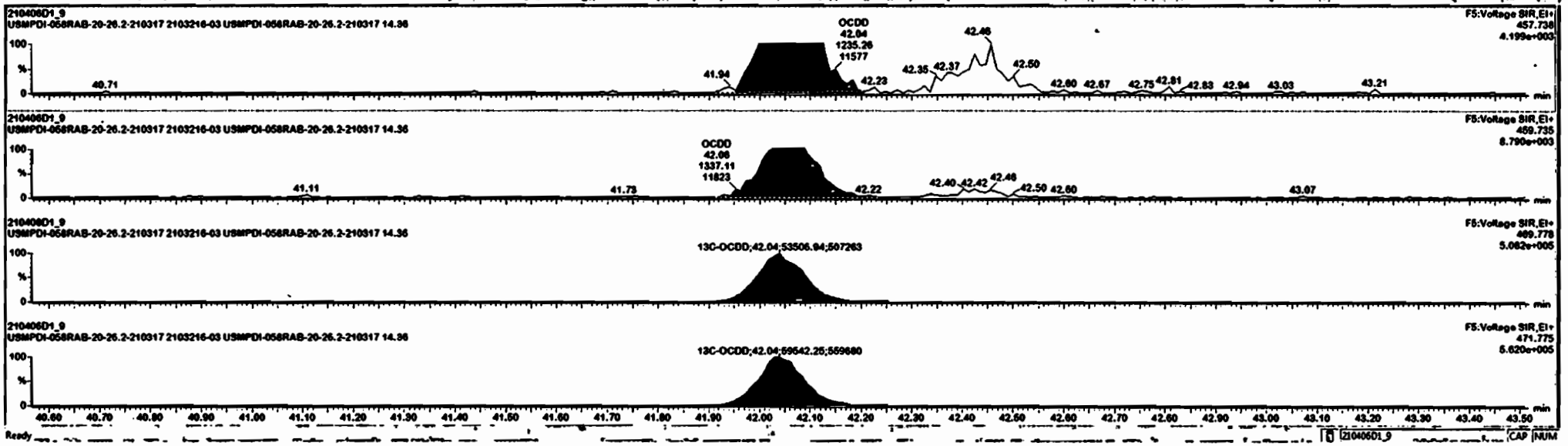


TargetLynx - 210406D1-9.qld * - [Chromatogram]

File Edit View Display Processing Window Help

210406D1_9 2103216-03 USMPDI-058RAB-20-26.2-210317 14.36 - USMPDI-058RAB-20-26.2-210317

	Name	Resp	RA	n/y	RRF	wVal	RT	RRT	Conc	%Rec	DL	EMPC
7	OCDD	2.57e3	0.92	NO	0.98	10.098	42.04	1.000	9.23		0.496	9.23
8	2,3,7,8-TCDF			NO	0.99	10.098					0.0586	
9	1,2,3,7,8-PeCDF			NO	1.02	10.098					0.0831	
10	2,3,4,7,8-PeCDF			NO	1.17	10.098					0.0699	
11	1,2,3,4,7,8-HxCDF	4.86e1	0.94	YES	1.14	10.098	33.70	1.001	0.0522		0.0541	0.0457
12	1,2,3,6,7,8-HxCDF			NO	1.04	10.098					0.0603	
13	2,3,4,6,7,8-HxCDF			NO	1.13	10.098					0.0645	
14	1,2,3,7,8,9-HxCDF			NO	1.07	10.098					0.0816	
15	1,2,3,4,6,7,8-HpCDF	7.10e1	0.92	NO	1.11	10.098	37.25	1.001	0.0959		0.0949	0.0959
16	1,2,3,4,7,8,9-HpCDF			NO	1.32	10.098					0.173	
17	OCDF			NO	0.93	10.098					0.238	
18	13C-2,3,7,8-TCDD	1.94e5	0.79	NO	1.20	10.098	27.08	1.024	237	120	0.385	
19	13C-1,2,3,7,8-PeCDD	1.36e5	0.63	NO	0.86	10.098	31.21	1.181	231	117	0.391	
20	13C-1,2,3,4,7,8-HxCDD	1.05e5	1.28	NO	0.60	10.098	34.65	1.314	223	112	0.661	
21	13C-1,2,3,6,7,8-HxCDD	1.18e5	1.27	NO	0.67	10.098	34.78	1.318	223	113	0.588	
22	13C-1,2,3,7,8,9-HxCDD	1.18e5	1.35	NO	0.68	10.098	35.09	1.327	221	112	0.584	
23	13C-1,2,3,4,6,7,8-HpCDD	8.86e4	1.05	NO	0.56	10.098	38.48	1.126	204	103	0.906	
24	13C-OCDD	1.13e5	0.99	NO	0.50	10.098	42.04	1.231	290	73.2	0.495	
25	13C-2,3,7,8-TCDF	2.93e5	0.81	NO	1.03	10.098	26.51	1.003	222	112	0.355	
26	13C-1,2,3,7,8-PeCDF	2.05e5	1.58	NO	0.81	10.098	30.10	1.139	199	100	0.496	
27	13C-2,3,4,7,8-PeCDF	2.00e5	1.60	NO	0.75	10.098	31.05	1.175	209	105	0.534	



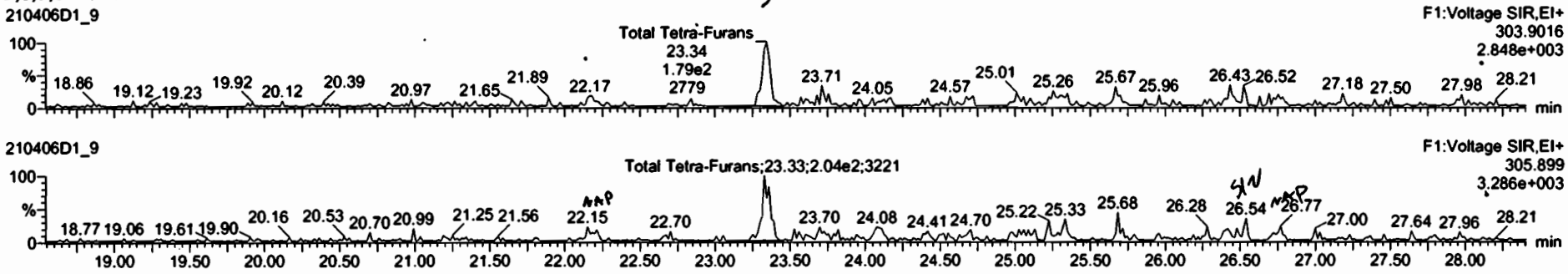
Ready 210406D1_9 CAP NUM

Dataset: Untitled

Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_9, Date: 06-Apr-2021, Time: 14:30:53, ID: 2103216-03 USMPDI-058RAB-20-26.2-210317 14.36, Description: USMPDI-058RAB-20-26.2-210317

2,3,7,8-TCDF



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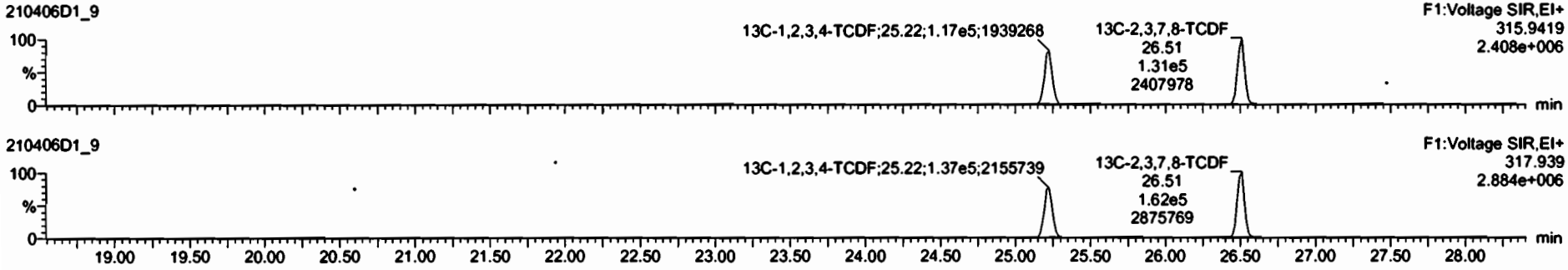
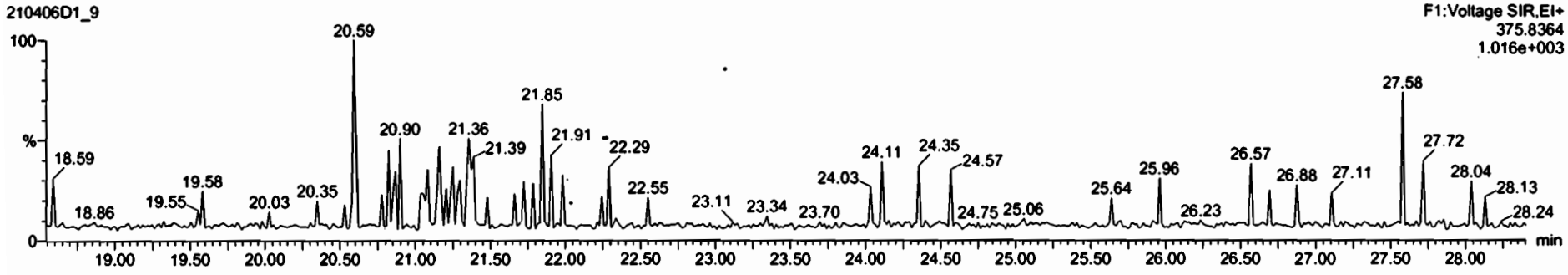


DPE1



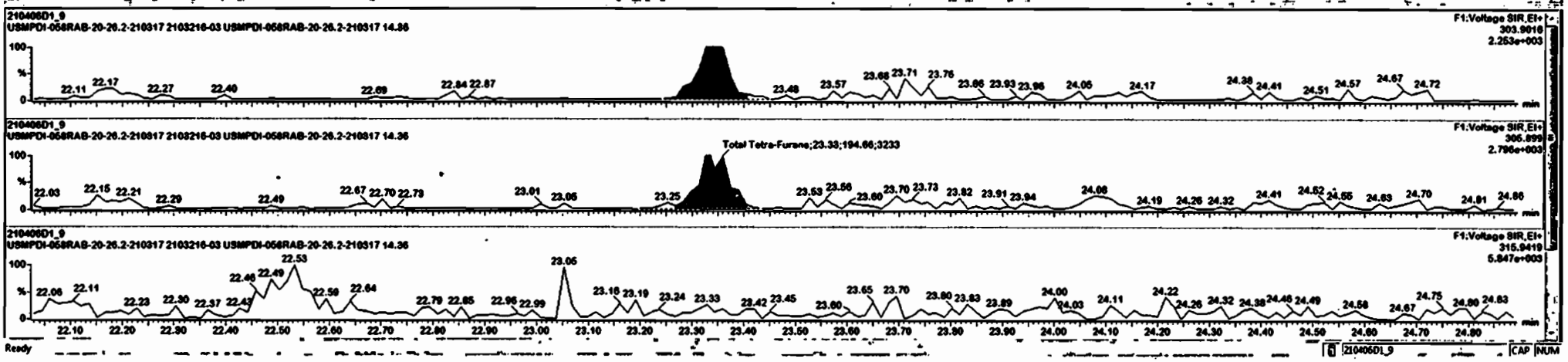
TargetLynx - 210406D1-9.qld * - [Chromatogram]

File Edit View Display Processing Window Help

210406D1_9 - 2103216-03 USMPDI-058RAB-20-26.2-210317 14.36 - USMPDI-058RAB-20-26.2-210317

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
38	13C-1,2,3,4,6,9-HxCDF	1.56e5	0.51	NO	1.00	10.098	34.16	1.000	198	100	0.613	
39	Total Tetra-Dioxins				1.00	10.098			0.000		0.0345	0.213
40	Total Penta-Dioxins				0.98	10.098			0.000		0.0670	0.682
41	Total Hexa-Dioxins				1.04	10.098			0.721		0.147	1.28
42	Total Hepta-Dioxins				1.06	10.098			1.00		0.291	1.00
43	Total Tetra-Furans				0.99	10.098			0.286		0.0580	0.286
44	1st Func. Penta-Furans				1.02	10.098					0.0137	
45	Total Penta-Furans				1.02	10.098					0.0343	
46	Total Hexa-Furans				1.13	10.098			0.000		0.0389	0.0457
47	Total Hepta-Furans				1.11	10.098			0.0959		0.139	0.0959
48	PFK1											
49	PFK2											
50	PFK3											
51	PFK4											
52	PFK5											
53	DPE1											
54	DPE2											
55	DPE3											
56	DPE4											
57	DPE5											
58	DPE6											

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Tetra-Furans	23.34	1.721e2	1.947e2	0.88	NO	0.25066	0.25066
2	2,3,7,8-TCDF	26.52	2.093e1	3.113e1	0.67	NO	0.035578	0.035578



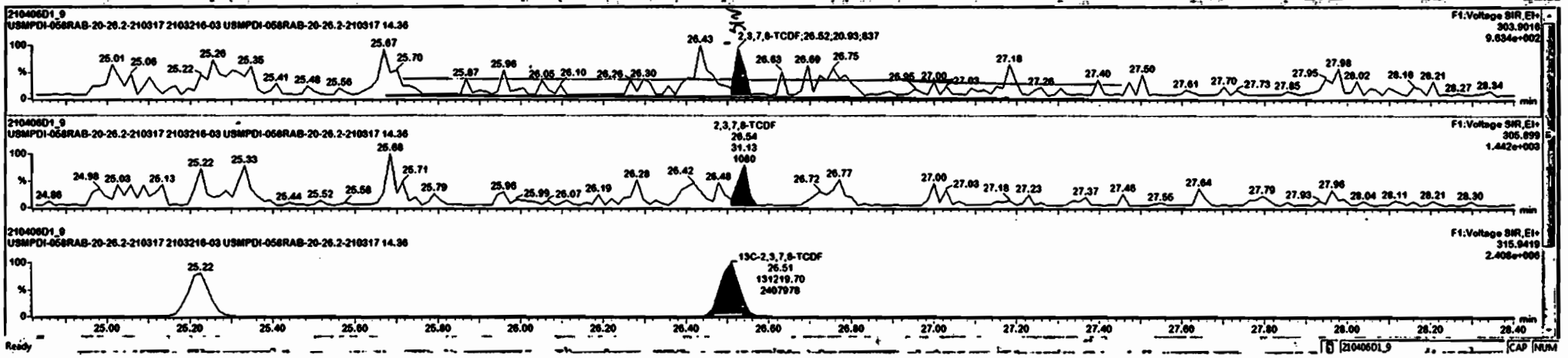
TargetLynx - 210406D1-9.qld * - Chromatogram

File Edit View Display Processing Window Help

210406D1_9 - 2103216-03 USMPDI-058RAB-20-26.2-210317 14.36 - USMPDI-058RAB-20-26.2-210317

	Name	Resp	RA	ay	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
38	13C-1,2,3,4,6,9-HxCDF	1.56e5	0.51	NO	1.00	10.096	34.16	1.000	196	100	0.613	
39	Total Tetra-Dioxins				1.00	10.096			0.000		0.0345	0.213
40	Total Penta-Dioxins				0.98	10.096			0.000		0.0678	0.682
41	Total Hexa-Dioxins				1.04	10.096			0.721		0.147	1.28
42	Total Hepta-Dioxins				1.06	10.096			1.00		0.291	1.00
43	Total Tetra-Furans				0.99	10.096			0.286		0.0560	0.286
44	1st Func. Penta-Furans				1.02	10.096					0.0137	
45	Total Penta-Furans				1.02	10.096					0.0343	
46	Total Hexa-Furans				1.13	10.096			0.000		0.0389	0.0457
47	Total Hepta-Furans				1.11	10.096			0.0959		0.139	0.0959
48	PFK1											
49	PFK2											
50	PFK3											
51	PFK4											
52	PFK5											
53	DPE1											
54	DPE2											
55	DPE3											
56	DPE4											
57	DPE5											
58	DPE6											

	Name	RT	m1 Resp	m2 Resp	RA	ay	EMPC	Conc.
1	Total Tetra-Furans	23.34	1.721e2	1.947e2	0.88	NO	0.25066	0.25066
2	2,3,7,8-TCDF	26.52	2.093e1	3.113e1	0.67	NO	0.035578	0.035578



Ready

2104601_9 CAP NUM

Dataset: Untitled

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Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

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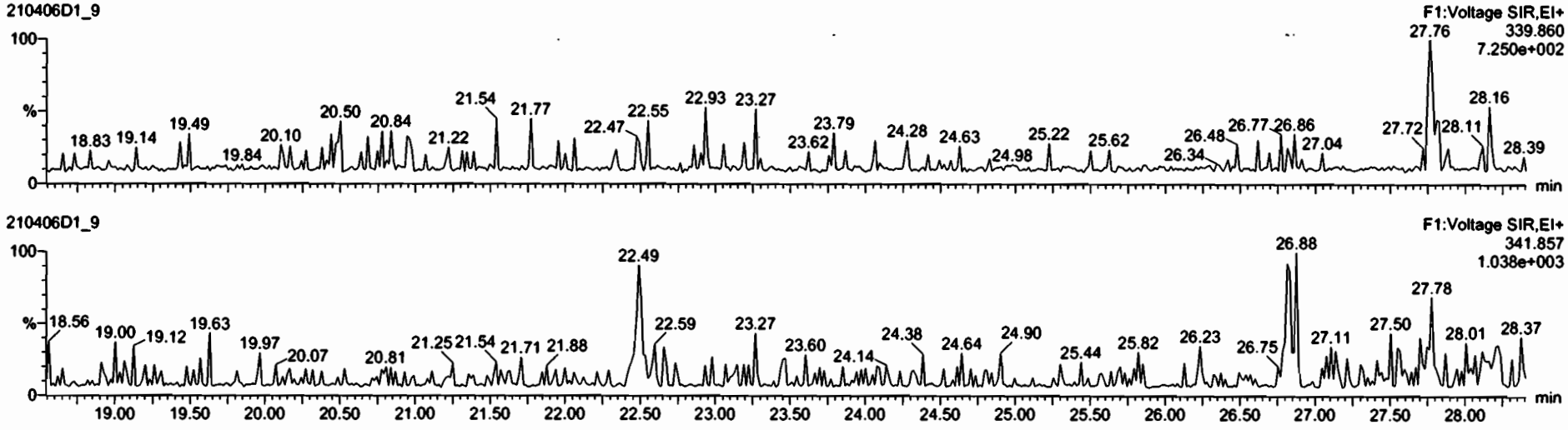
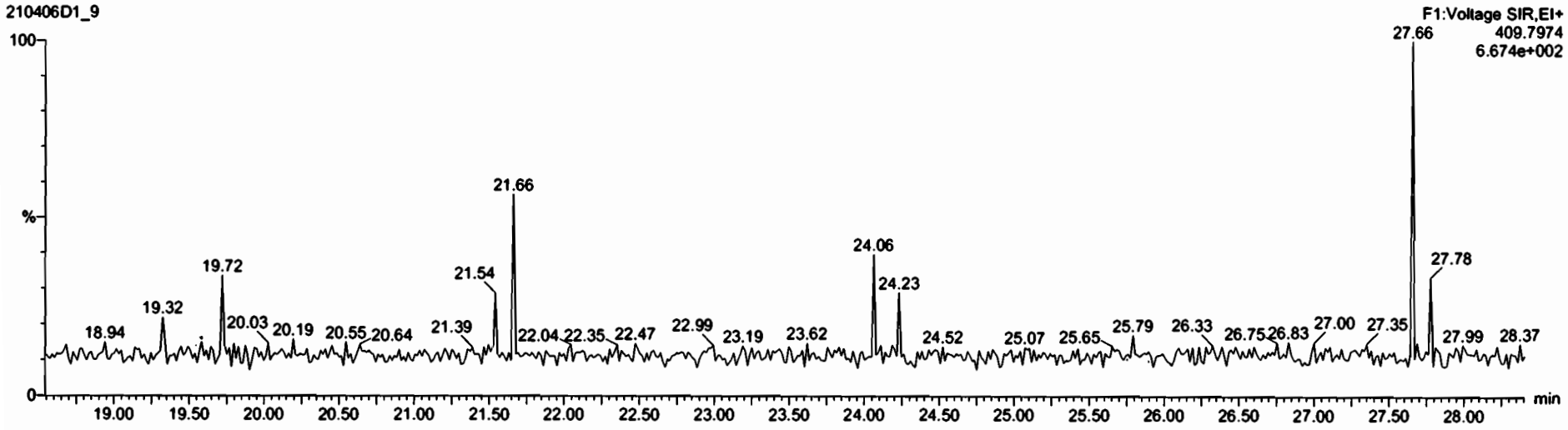
1st Func. Penta-Furans



DPE6



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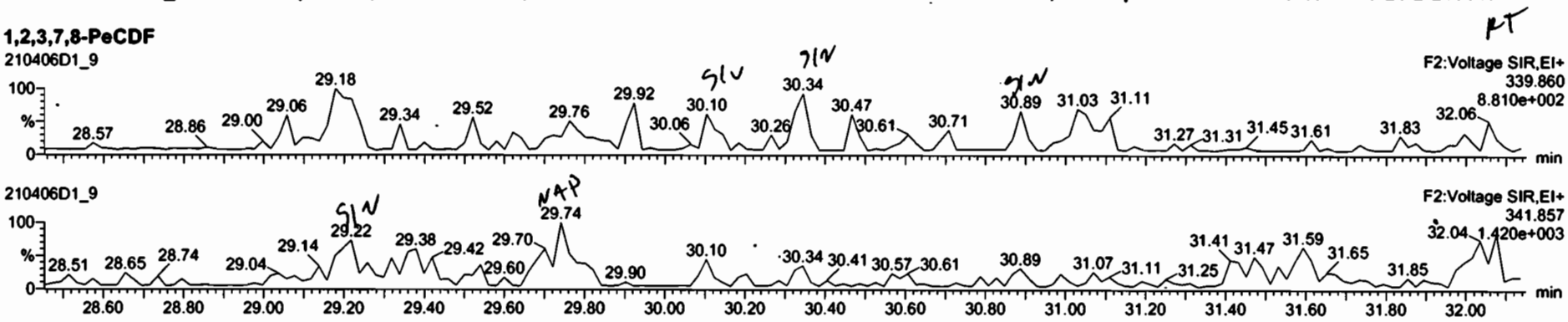
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_9, Date: 06-Apr-2021, Time: 14:30:53, ID: 2103216-03 USMPDI-058RAB-20-26.2-210317 14.36, Description: USMPDI-058RAB-20-26.2-210317

1,2,3,7,8-PeCDF



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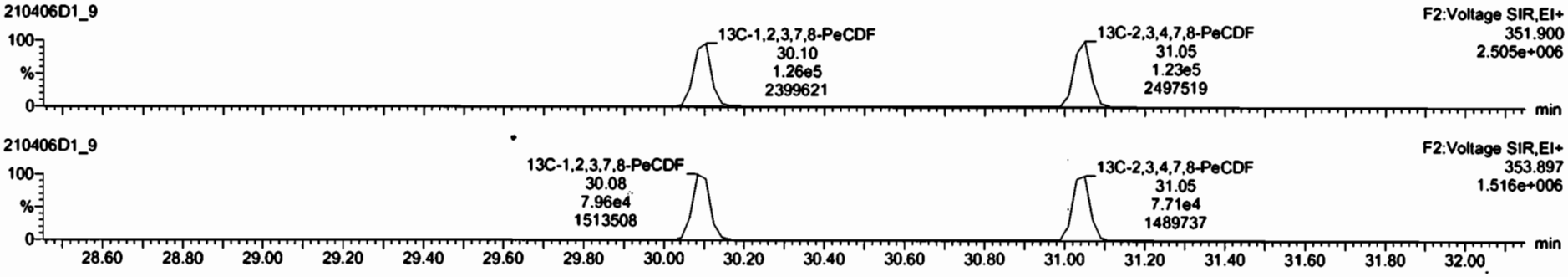

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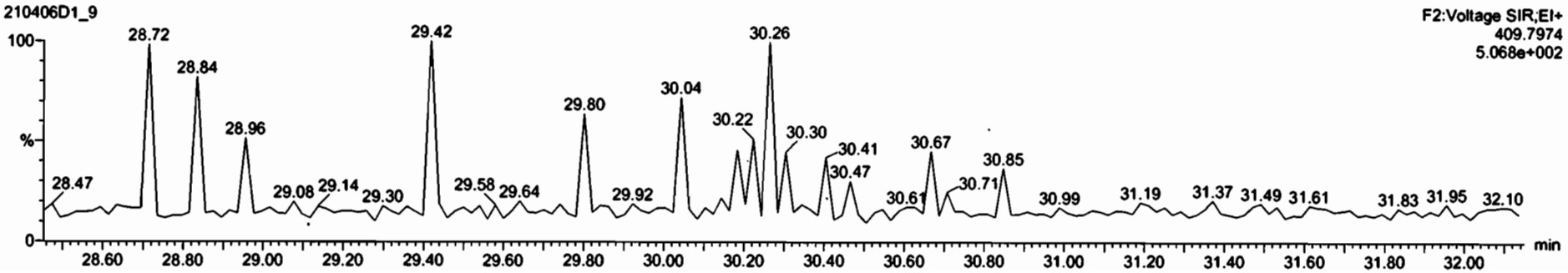
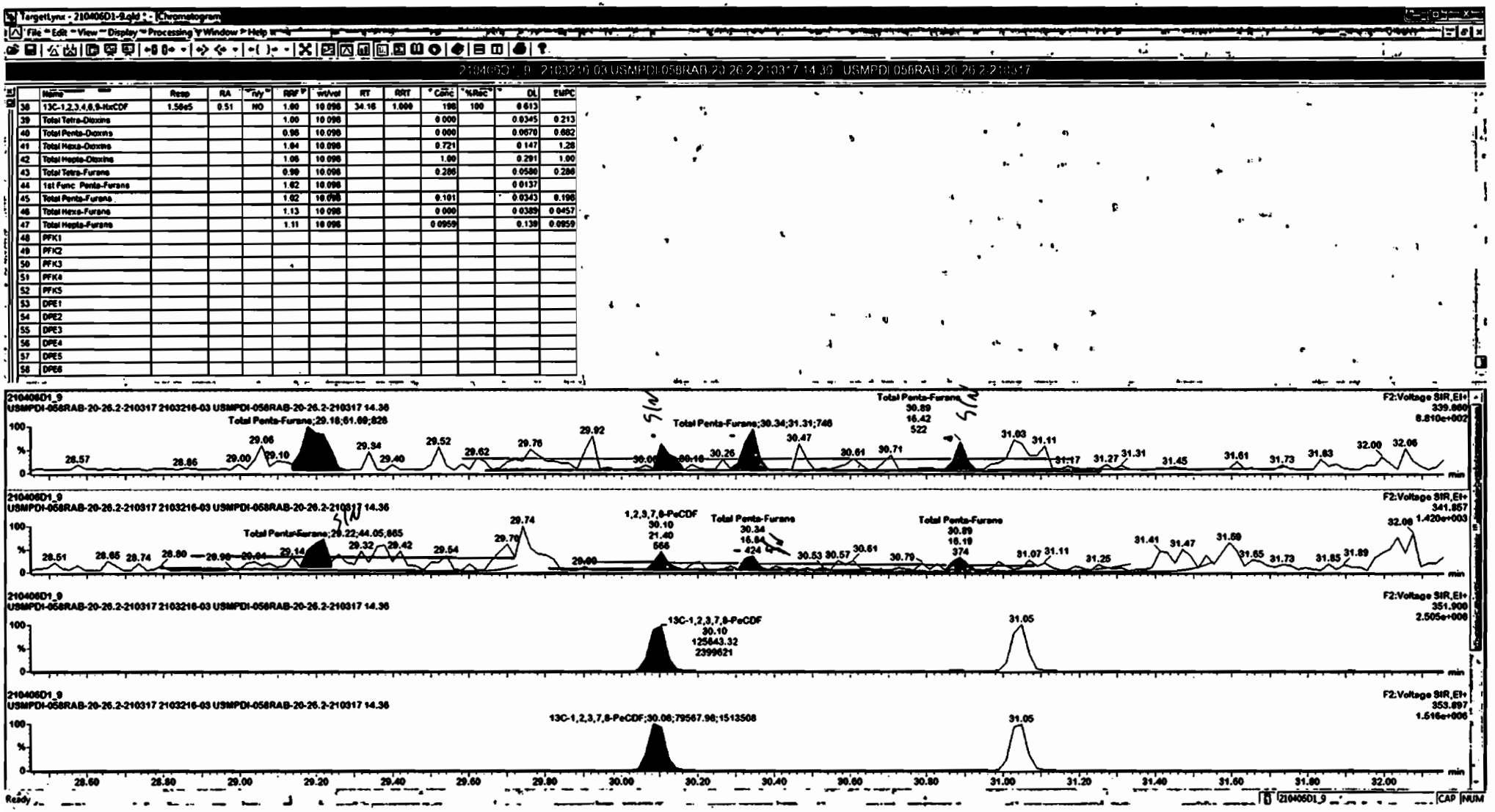




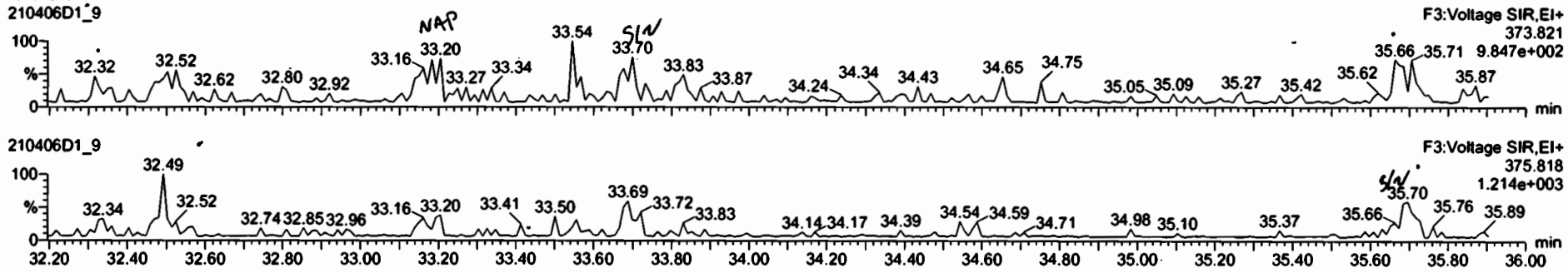
	Name	Resp	RA	Qty	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
38	13C-1,2,3,4,6,9-HxCDF	1.58e5	0.51	NO	1.00	10.098	34.16	1.000	198	100	0.613	
39	Total Tetra-Dioxins				1.00	10.098			0.000		0.0345	0.213
40	Total Penta-Dioxins				0.98	10.098			0.000		0.0670	0.682
41	Total Hexa-Dioxins				1.04	10.098			0.721		0.147	1.28
42	Total Hepta-Dioxins				1.05	10.098			1.00		0.291	1.00
43	Total Tetra-Furans				0.99	10.098			0.286		0.0586	0.286
44	1st Func Penta-Furans				1.02	10.098					0.0137	
45	Total Penta-Furans				1.02	10.098			0.101		0.0343	0.198
46	Total Hexa-Furans				1.13	10.098			0.000		0.0389	0.0457
47	Total Hepta-Furans				1.11	10.098			0.0959		0.139	0.0959
48	PFK1											
49	PFK2											
50	PFK3											
51	PFK4											
52	PFK5											
53	DPE1											
54	DPE2											
55	DPE3											
56	DPE4											
57	DPE5											
58	DPE6											

Dataset: Untitled

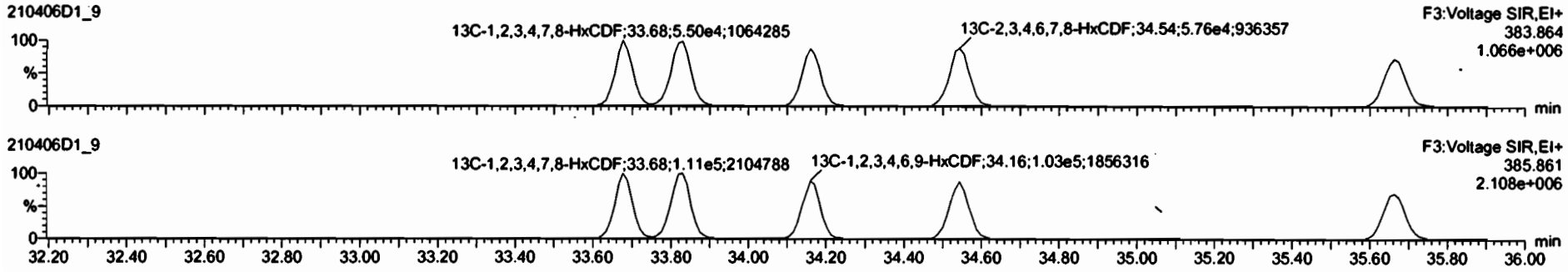
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_9, Date: 06-Apr-2021, Time: 14:30:53, ID: 2103216-03 USMPDI-058RAB-20-26.2-210317 14.36, Description: USMPDI-058RAB-20-26.2-210317

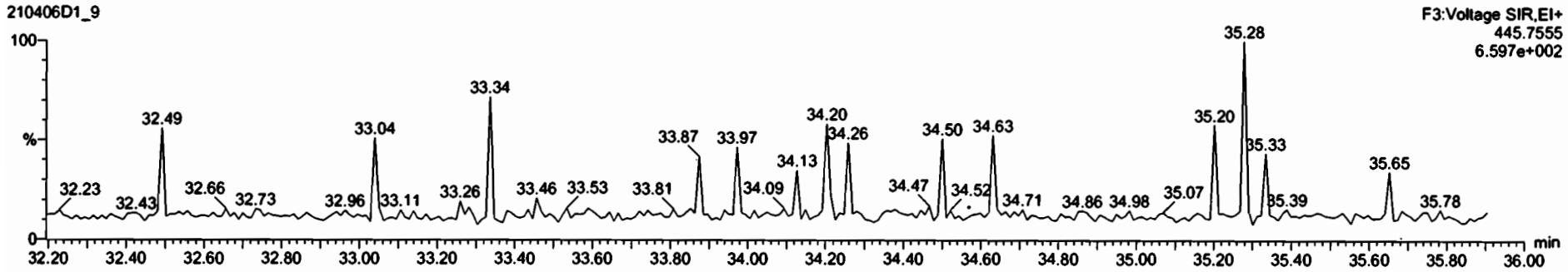
1,2,3,4,7,8-HxCDF



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



DPE3

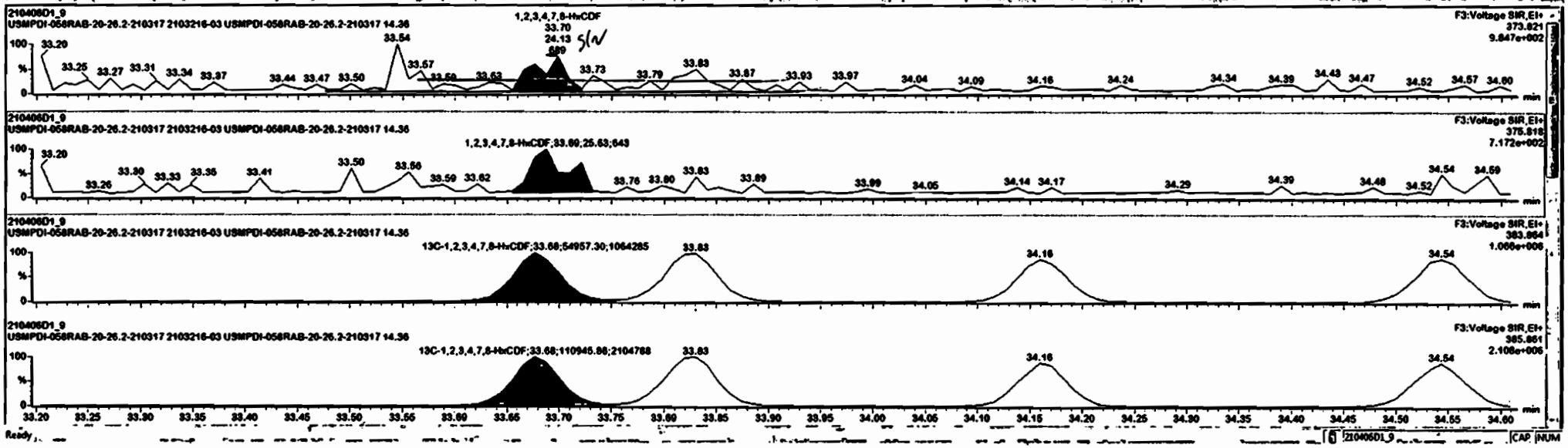


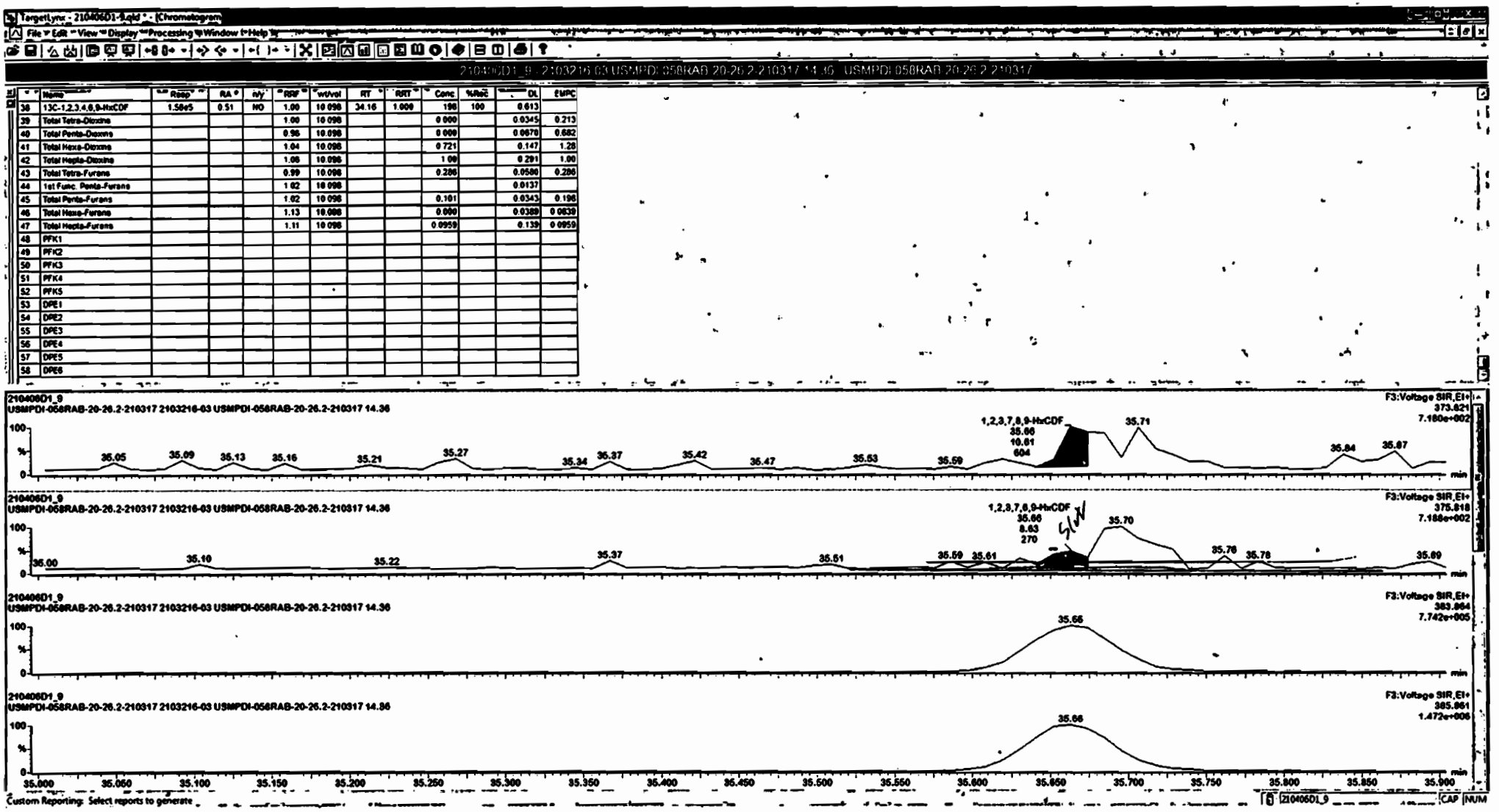
TargetLynx - 210406D1-9.qld * - [Chromatogram]

File Edit View Display Processing Window Help

210406D1_9 - 2103216-03 USMPDI-058RAB-20-26.2-210317 14.36 - USMPDI-058RAB-20-26.2-210317

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
38	13C-1,2,3,4,6,9-HxCDF	1.56e5	0.51	NO	1.00	10.098	34.16	1.000	198	100	0.613	
39	Total Tetra-Dioxins				1.00	10.098			0.000		0.0345	0.213
40	Total Penta-Dioxins				0.98	10.098			0.000		0.0670	0.682
41	Total Hexa-Dioxins				1.04	10.098			0.721		0.147	1.28
42	Total Hepta-Dioxins				1.06	10.098			1.00		0.291	1.00
43	Total Tetra-Furans				0.99	10.098			0.286		0.0580	0.286
44	1st Func. Penta-Furans				1.02	10.098					0.0137	
45	Total Penta-Furans				1.02	10.098			0.101		0.0343	0.198
46	Total Hexa-Furans				1.13	10.098			0.000		0.0389	0.0457
47	Total Hepta-Furans				1.11	10.098			0.0959		0.139	0.0959
48	PFK1											
49	PFK2											
50	PFK3											
51	PFK4											
52	PFK5											
53	DPE1											
54	DPE2											
55	DPE3											
56	DPE4											
57	DPE5											
58	DPE6											





	Name	Resp	RA	nY	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
38	13C-1,2,3,4,6,9-HxCDF	1.58e5	0.51	NO	1.00	10 000	34.16	1.000	100	100	0.613	
39	Total Tetra-Dioxins				1.00	10 000			0 000		0.0345	0.213
40	Total Penta-Dioxins				0.96	10 000			0 000		0.0670	0.682
41	Total Hexa-Dioxins				1.04	10 000			0 721		0.147	1.28
42	Total Hepta-Dioxins				1.06	10 000			1 00		0 291	1.00
43	Total Tetra-Furans				0.99	10 000			0.286		0.0580	0.286
44	1st Func. Penta-Furans				1 02	10 000					0.0137	
45	Total Penta-Furans				1.02	10 000			0.101		0.0343	0.196
46	Total Hexa-Furans				1.13	10 000			0.000		0.0389	0 0839
47	Total Hepta-Furans				1.11	10 000			0.0959		0.139	0 0959
48	PFK1											
49	PFK2											
50	PFK3											
51	PFK4											
52	PFK5											
53	DPE1											
54	DPE2											
55	DPE3											
56	DPE4											
57	DPE5											
58	DPE6											

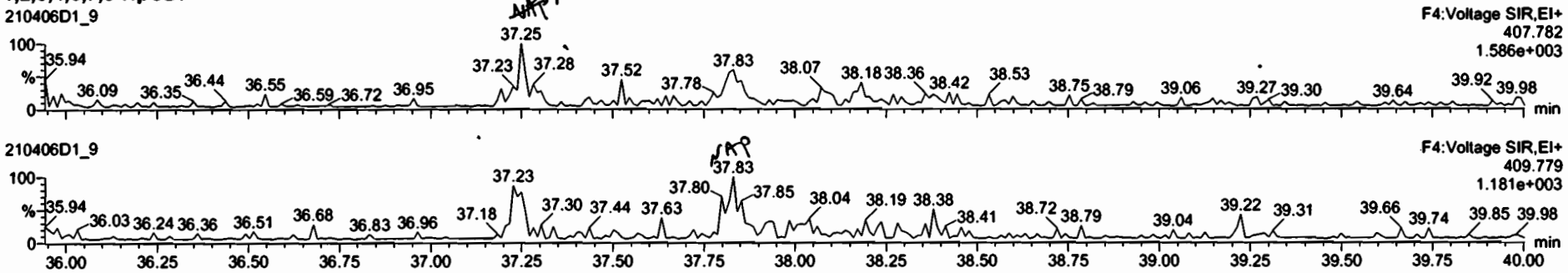
Dataset: Untitled

Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

* JF 04/21/21

Name: 210406D1_9, Date: 06-Apr-2021, Time: 14:30:53, ID: 2103216-03 USMPDI-058RAB-20-26.2-210317 14.36, Description: USMPDI-058RAB-20-26.2-210317

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



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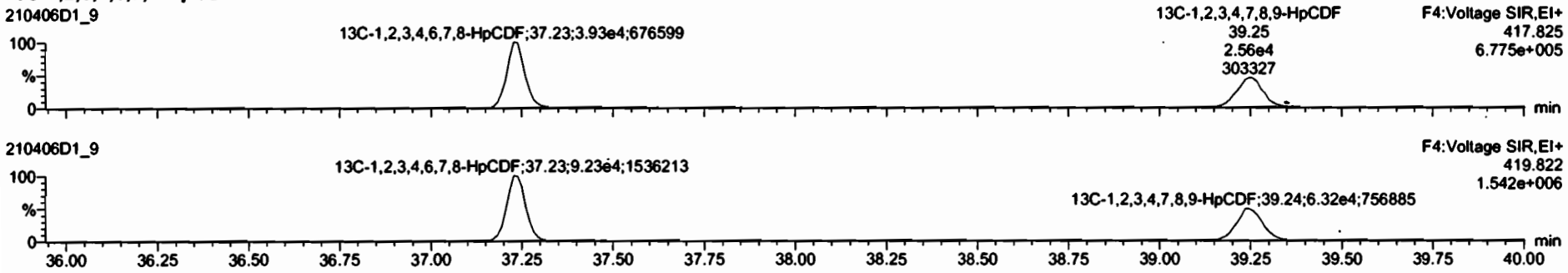
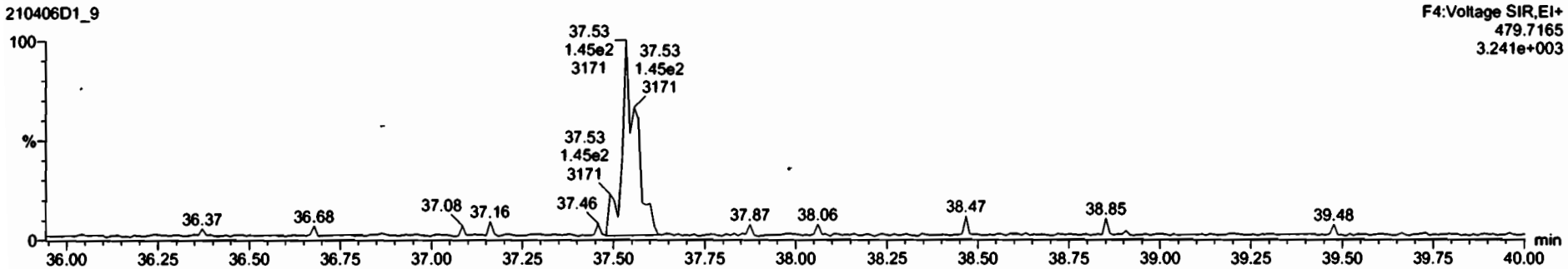


DPE4



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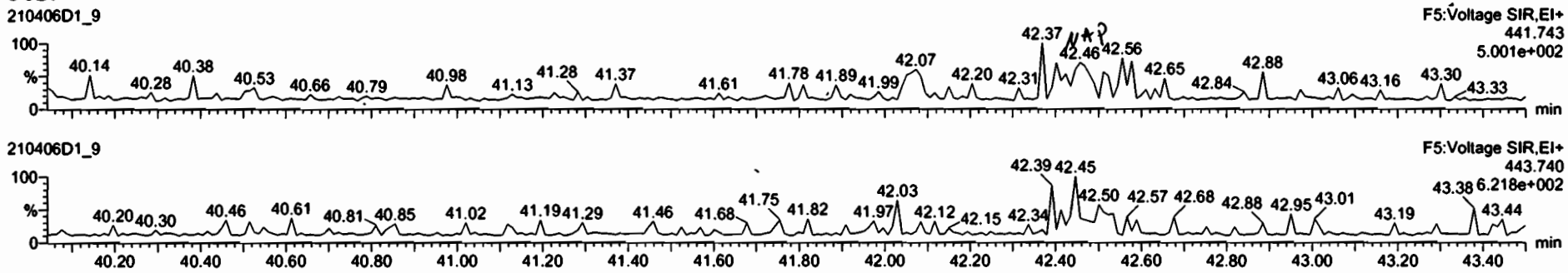
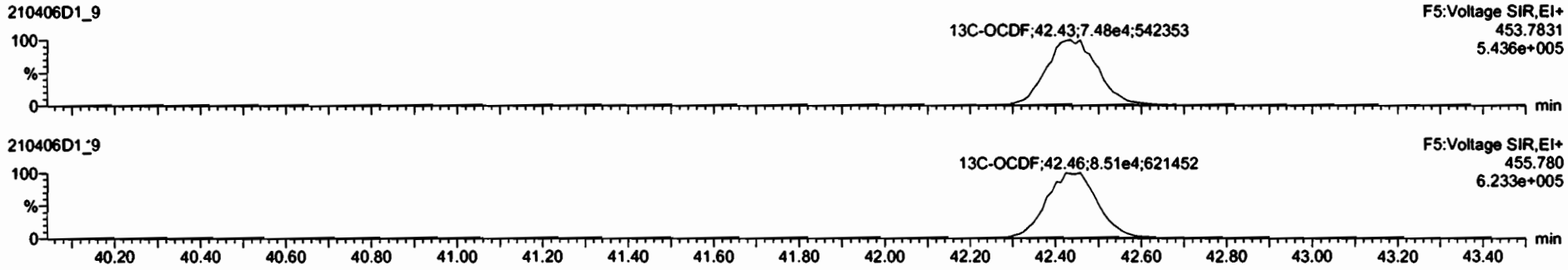
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_9, Date: 06-Apr-2021, Time: 14:30:53, ID: 2103216-03 USMPDI-058RAB-20-26.2-210317 14.36, Description: USMPDI-058RAB-20-26.2-210317

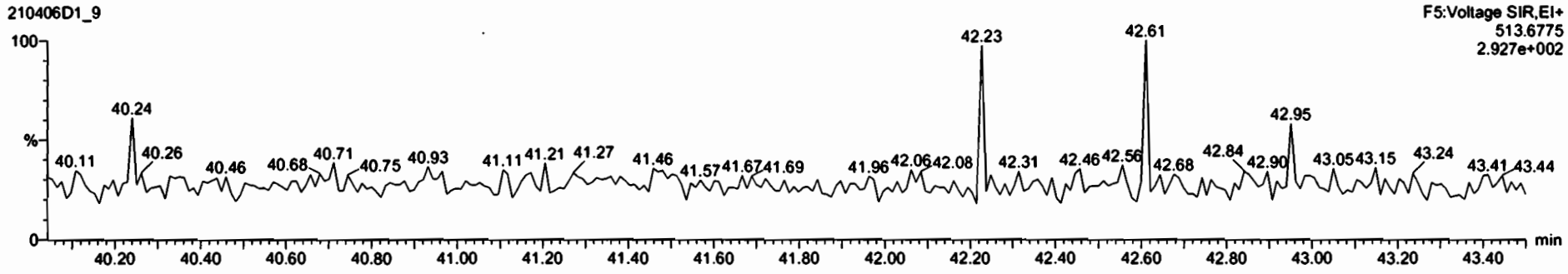
OCDF



13C-OCDF



DPE5



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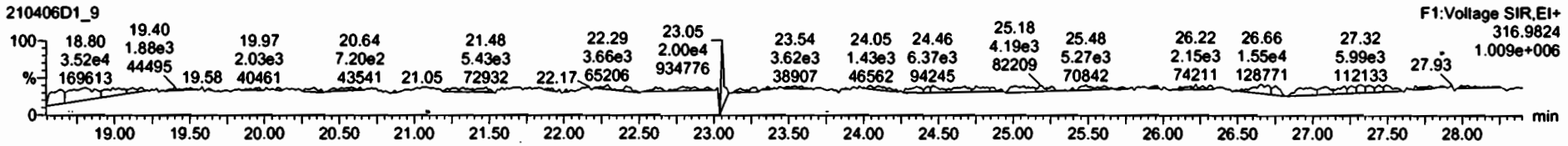
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_9, Date: 06-Apr-2021, Time: 14:30:53, ID: 2103216-03 USMPDI-058RAB-20-26.2-210317 14.36, Description: USMPDI-058RAB-20-26.2-210317

PFK1



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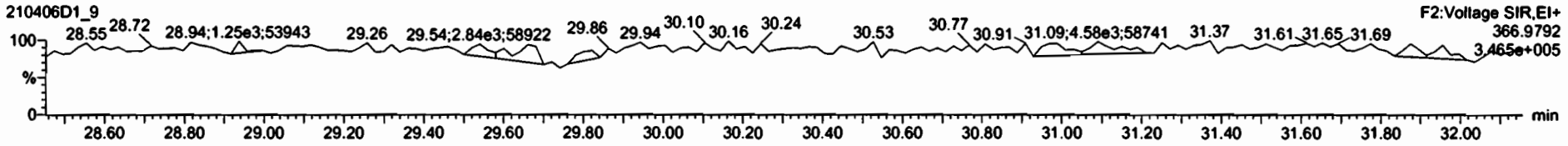

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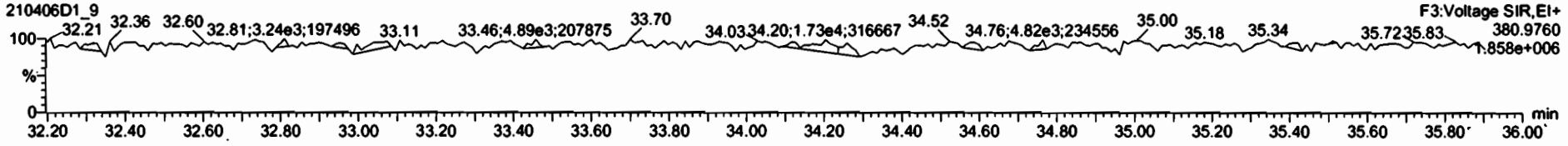
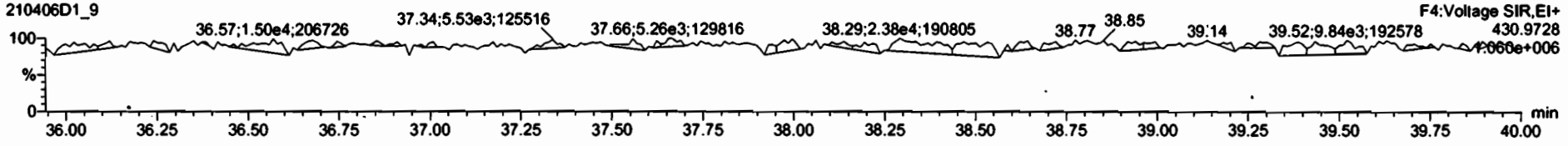
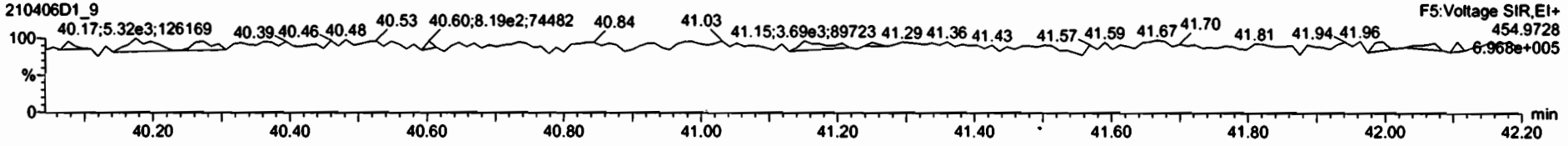


PFK4



PFK5



Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-10.qld

Last Altered: Thursday, April 08, 2021 3:36:57 PM Pacific Daylight Time
Printed: Thursday, April 08, 2021 3:38:59 PM Pacific Daylight Time

DF04/08/21

CT04/21/2021

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_4-6-21.mdb 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210406D1_10, Date: 06-Apr-2021, Time: 15:17:32, ID: 2103216-04 USMPDI-059RAB-00-10-210318 11.42, Description: USMPDI-059RAB-00-10-210318, Task: ST210406D1-2

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD			NO	0.998	10.088					0.0928	
2	1,2,3,7,8-PeCDD	1.30e2	0.55	NO	0.961	10.088	31.23	1.000	0.28422		0.234	0.284
3	1,2,3,4,7,8-HxCDD			NO	1.18	10.088					0.351	
4	1,2,3,6,7,8-HxCDD	4.89e2	1.36	NO	1.04	10.088	34.81	1.000	1.0405		0.362	1.04
5	1,2,3,7,8,9-HxCDD	3.34e2	1.49	YES	1.06	10.088	35.11	1.000	0.61944		0.334	0.556
6	1,2,3,4,6,7,8-HpCDD	1.65e4	1.01	NO	1.06	10.088	38.49	1.001	39.804		0.883	39.8
7	OCDD	8.85e4	0.87	NO	0.977	10.088	42.13	1.000	364.16		1.03	364
8	2,3,7,8-TCDF	1.42e2	1.11	YES	0.989	10.088	26.54	1.001	0.16608		0.0988	0.139
9	1,2,3,7,8-PeCDF	1.91e2	1.49	NO	1.02	10.088	30.10	1.000	0.28146		0.128	0.281
10	2,3,4,7,8-PeCDF	4.53e2	1.63	NO	1.17	10.088	31.07	1.001	0.55885		0.0915	0.559
11	1,2,3,4,7,8-HxCDF	5.12e2	1.26	NO	1.14	10.088	33.69	1.000	0.72275		0.138	0.723
12	1,2,3,6,7,8-HxCDF	2.61e2	1.18	NO	1.04	10.088	33.86	1.001	0.34728		0.134	0.347
13	2,3,4,6,7,8-HxCDF	2.48e2	1.51	YES	1.13	10.088	34.60	1.002	0.32452		0.142	0.290
14	1,2,3,7,8,9-HxCDF			NO	1.07	10.088					0.192	
15	1,2,3,4,6,7,8-HpCDF	3.05e3	1.06	NO	1.11	10.088	37.24	1.000	4.8191		0.143	4.82
16	1,2,3,4,7,8,9-HpCDF			NO	1.32	10.088					0.259	
17	OCDF	3.33e3	0.96	NO	0.931	10.088	42.47	1.000	9.8194		0.990	9.82
18	13C-2,3,7,8-TCDD	1.17e5	0.77	NO	1.20	10.088	27.09	1.024	129.30	65.2	0.308	
19	13C-1,2,3,7,8-PeCDD	9.41e4	0.63	NO	0.864	10.088	31.23	1.181	144.36	72.8	0.156	
20	13C-1,2,3,4,7,8-HxCDD	7.85e4	1.31	NO	0.600	10.088	34.66	1.014	163.79	82.6	0.592	
21	13C-1,2,3,6,7,8-HxCDD	8.96e4	1.30	NO	0.674	10.088	34.80	1.018	166.25	83.9	0.527	
22	13C-1,2,3,7,8,9-HxCDD	1.01e5	1.28	NO	0.679	10.088	35.10	1.027	185.75	93.7	0.523	
23	13C-1,2,3,4,6,7,8-HpCDD	7.75e4	1.11	NO	0.558	10.088	38.47	1.126	173.77	87.7	1.09	
24	13C-OCDD	9.86e4	0.93	NO	0.496	10.088	42.12	1.233	248.74	62.7	0.486	
25	13C-2,3,7,8-TCDF	1.71e5	0.80	NO	1.03	10.088	26.51	1.002	123.48	62.3	0.318	
26	13C-1,2,3,7,8-PeCDF	1.32e5	1.60	NO	0.805	10.088	30.10	1.138	121.00	61.0	0.447	
27	13C-2,3,4,7,8-PeCDF	1.37e5	1.65	NO	0.748	10.088	31.05	1.174	135.55	68.4	0.482	
28	13C-1,2,3,4,7,8-HxCDF	1.23e5	0.49	NO	0.968	10.088	33.68	0.986	159.52	80.5	0.573	
29	13C-1,2,3,6,7,8-HxCDF	1.43e5	0.50	NO	1.08	10.088	33.83	0.990	164.78	83.1	0.511	
30	13C-2,3,4,6,7,8-HxCDF	1.34e5	0.51	NO	0.960	10.088	34.54	1.011	174.95	88.3	0.578	
31	13C-1,2,3,7,8,9-HxCDF	1.16e5	0.53	NO	0.869	10.088	35.69	1.044	166.49	84.0	0.638	
32	13C-1,2,3,4,6,7,8-HpCDF	1.12e5	0.40	NO	0.794	10.088	37.23	1.089	177.25	89.4	0.962	

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-10.qld

Last Altered: Thursday, April 08, 2021 3:36:57 PM Pacific Daylight Time
Printed: Thursday, April 08, 2021 3:38:59 PM Pacific Daylight Time

Name: 210406D1_10, Date: 06-Apr-2021, Time: 15:17:32, ID: 2103216-04 USMPDI-059RAB-00-10-210318 11.42, Description: USMPDI-059RAB-00-10-210318, Task: ST210406D1-2

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
33	13C-1,2,3,4,7,8,9-HpCDF	7.47e4	0.40	NO	0.586	10.088	39.20	1.147	159.51	80.5	1.30	
34	13C-OCDF	1.44e5	0.91	NO	0.711	10.088	42.47	1.243	254.01	64.1	0.290	
35	37Cl-2,3,7,8-TCDD	4.19e4			1.11	10.088	27.10	1.025	50.118	63.2	0.0837	
36	13C-1,2,3,4-TCDD	1.50e5	0.84	NO	1.00	10.088	26.45	1.000	198.25	100	0.370	
37	13C-1,2,3,4-TCDF	2.68e5	0.80	NO	1.00	10.088	25.23	1.000	198.25	100	0.327	
38	13C-1,2,3,4,6,9-HxCDF	1.58e5	0.50	NO	1.00	10.088	34.17	1.000	198.25	100	0.555	
39	Total Tetra-Dioxins				0.998	10.088					0.0477	
40	Total Penta-Dioxins				0.961	10.088			0.28422		0.234	0.410
41	Total Hexa-Dioxins				1.04	10.088			5.9152		0.365	10.2
42	Total Hepta-Dioxins				1.06	10.088			85.167		0.883	85.2
43	Total Tetra-Furans				0.989	10.088			1.0124		0.0985	1.15
44	1st Func. Penta-Furans				1.02	10.088			2.5720		0.0456	2.57
45	Total Penta-Furans				1.02	10.088			2.1534		0.116	2.79
46	Total Hexa-Furans				1.13	10.088			8.3445		0.145	8.63
47	Total Hepta-Furans				1.11	10.088			15.291		0.208	15.3

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-10.qld

Last Altered: Thursday, April 08, 2021 3:36:57 PM Pacific Daylight Time
Printed: Thursday, April 08, 2021 3:38:59 PM Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_4-6-21.mdb 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210406D1_10, Date: 06-Apr-2021, Time: 15:17:32, ID: 2103216-04 USMPDI-059RAB-00-10-210318 11.42, Description: USMPDI-059RAB-00-10-210318, Task: ST210406D1-2

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	30.53	7.160e2	6.960e2	3.354e1	3.519e1	0.95	YES	0.000e0	0.00000	0.12573	0.234
2	1,2,3,7,8-PeCDD	31.23	9.300e2	1.393e3	4.585e1	8.382e1	0.55	NO	1.297e2	0.28422	0.28422	0.234

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	32.90	2.091e4	1.759e4	1.134e3	8.838e2	1.28	NO	2.018e3	4.2898	4.2898	0.365
2	Total Hexa-Dioxins	33.54	3.162e3	2.303e3	1.535e2	1.216e2	1.26	NO	2.751e2	0.58486	0.58486	0.365
3	Total Hexa-Dioxins	33.86	1.425e4	1.127e4	1.175e3	7.833e2	1.50	YES	0.000e0	0.00000	3.7303	0.365
4	1,2,3,6,7,8-HxCDD	34.81	4.804e3	2.862e3	2.817e2	2.074e2	1.36	NO	4.891e2	1.0405	1.0405	0.362
5	1,2,3,7,8,9-HxCDD	35.11	3.633e3	1.974e3	1.999e2	1.337e2	1.49	YES	3.336e2	0.00000	0.55620	0.334

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.55	1.525e5	1.439e5	9.552e3	9.252e3	1.03	NO	1.880e4	45.364	45.364	0.883
2	1,2,3,4,6,7,8-HpCDD	38.49	1.104e5	1.086e5	8.293e3	8.206e3	1.01	NO	1.650e4	39.804	39.804	0.883

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	23.34	2.451e3	3.473e3	1.972e2	2.565e2	0.77	NO	4.537e2	0.53168	0.53168	0.0985
2	Total Tetra-Furans	25.30	1.530e3	2.193e3	1.450e2	1.821e2	0.80	NO	3.271e2	0.38327	0.38327	0.0985
3	2,3,7,8-TCDF	26.54	1.907e3	1.529e3	7.447e1	6.725e1	1.11	YES	1.417e2	0.00000	0.13949	0.0985
4	Total Tetra-Furans	27.78	7.910e2	1.252e3	3.468e1	4.847e1	0.72	NO	8.315e1	0.097447	0.097447	0.0985

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-10.qld

Last Altered: Thursday, April 08, 2021 3:36:57 PM Pacific Daylight Time
Printed: Thursday, April 08, 2021 3:38:59 PM Pacific Daylight Time

Name: 210406D1_10, Date: 06-Apr-2021, Time: 15:17:32, ID: 2103216-04 USMPDI-059RAB-00-10-210318 11.42, Description: USMPDI-059RAB-00-10-210318, Task: ST210406D1-2

Penta-Furans function 1

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1st Func. Penta-Furans	27.79	1.821e4	1.347e4	1.038e3	7.420e2	1.40	NO	1.780e3	2.5720	2.5720	0.0456

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	29.22	7.553e3	4.696e3	5.613e2	3.474e2	1.62	NO	9.087e2	1.3131	1.3131	0.116
2	Total Penta-Furans	29.78	2.674e3	2.803e3	1.619e2	2.031e2	0.80	YES	0.000e0	0.00000	0.38495	0.116
3	1,2,3,7,8-PeCDF	30.10	1.974e3	1.185e3	1.143e2	7.656e1	1.49	NO	1.909e2	0.28146	0.28146	0.128
4	Total Penta-Furans	30.34	1.878e3	1.677e3	1.069e2	9.657e1	1.11	YES	0.000e0	0.00000	0.25409	0.116
5	2,3,4,7,8-PeCDF	31.07	4.643e3	2.196e3	2.811e2	1.719e2	1.63	NO	4.530e2	0.55885	0.55885	0.0915

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.33	6.142e3	5.892e3	2.967e2	2.611e2	1.14	NO	5.578e2	0.75942	0.75942	0.145
2	Total Hexa-Furans	32.51	2.148e4	1.798e4	1.094e3	8.795e2	1.24	NO	1.973e3	2.6863	2.6863	0.145
3	Total Hexa-Furans	33.18	3.104e4	2.307e4	1.570e3	1.242e3	1.26	NO	2.812e3	3.8288	3.8288	0.145
4	1,2,3,4,7,8-HxCDF	33.69	5.220e3	4.867e3	2.860e2	2.263e2	1.26	NO	5.123e2	0.72275	0.72275	0.138
5	1,2,3,6,7,8-HxCDF	33.86	2.318e3	2.406e3	1.410e2	1.198e2	1.18	NO	2.608e2	0.34728	0.34728	0.134
6	2,3,4,6,7,8-HxCDF	34.60	3.275e3	1.869e3	1.492e2	9.883e1	1.51	YES	2.480e2	0.00000	0.28970	0.142

Hepta-Furans

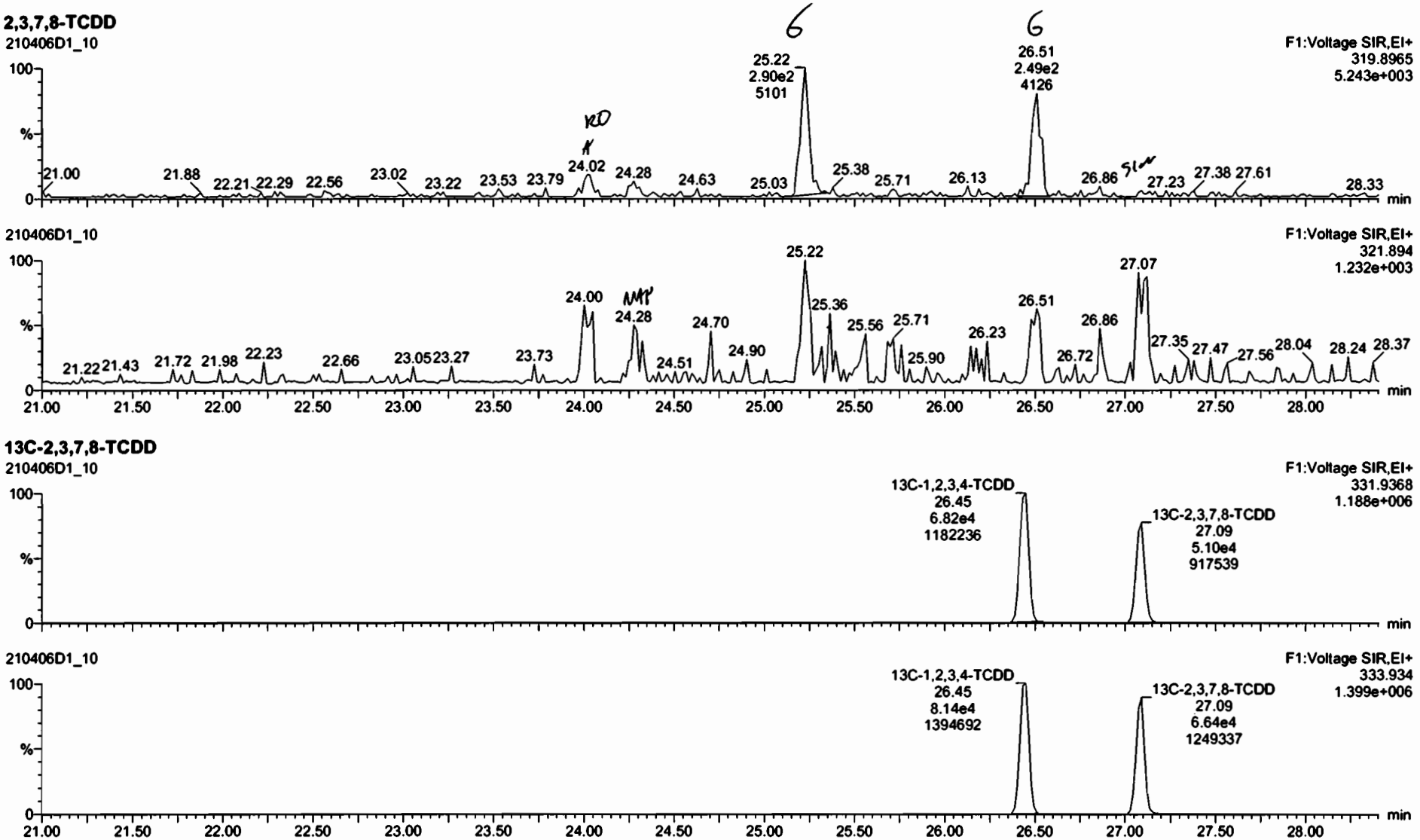
	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	37.24	2.498e4	2.479e4	1.565e3	1.482e3	1.06	NO	3.048e3	4.8191	4.8191	0.143
2	Total Hepta-Furans	37.82	4.401e4	4.313e4	2.778e3	2.732e3	1.02	NO	5.511e3	10.472	10.472	0.208

Dataset: Untitled

Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_10, Date: 06-Apr-2021, Time: 15:17:32, ID: 2103216-04 USMPDI-059RAB-00-10-210318 11.42, Description: USMPDI-059RAB-00-10-210318

2,3,7,8-TCDD



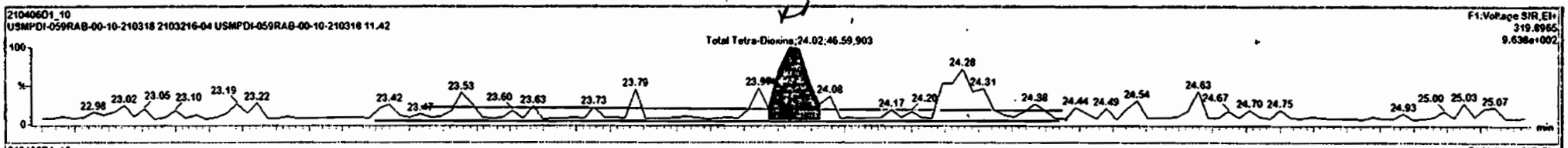
13C-2,3,7,8-TCDD

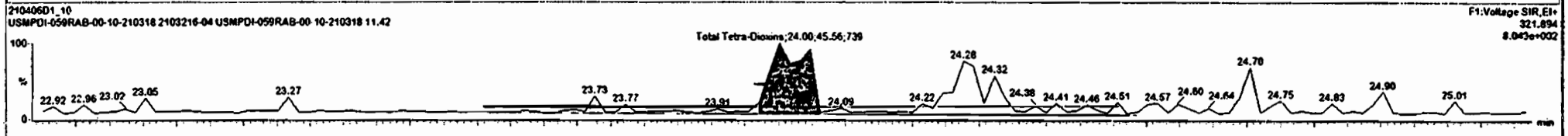
TargetLynx - 210406D1-10.qld - [Chromatogram]

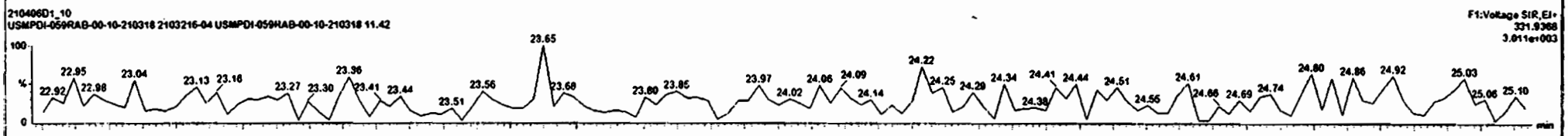
File Edit View Display Processing Window Help

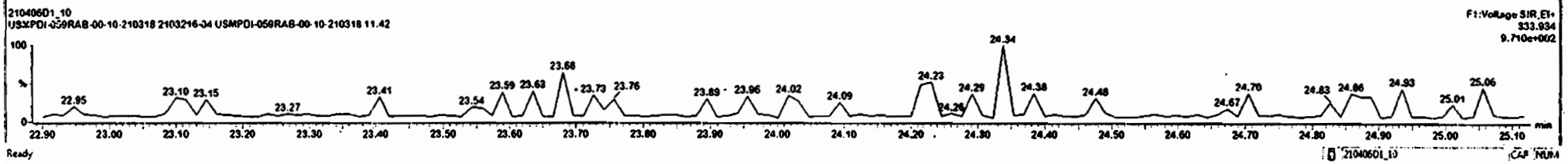
210406D1_10 - 2103216-04 USMPDI-059RAB-00-10-210318 11.42 - USMPDI-059RAB-00-10-210318

	#	Name	Resp.	IS AREA	RA	n/y	RRF	w/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec.	DL	EMPC
38	38	1,2,3,4,6,9-HxCDF	1.58e5	1.58e5	0.66	NO	1.00	10.0884	24.17	34.18	1.000	1.000	NO	158.2	100	0.555	
39	39	Total Tetra-Dioxins		1.17e5			1.00	10.0884		24.62		0.000	NO	0.0000		0.0477	0.137
40	40	Total Penta-Dioxins		9.41e4			0.96	10.0884		29.96		0.000	NO	0.2842		0.234	0.916
41	41	Total Hexa-Dioxins		0.00e0			1.04	10.0884		33.63		0.000	NO	5.525		0.265	10.1
42	42	Total Hepta-Dioxins		7.75e4			1.06	10.0884		37.64		0.000	NO	85.17		0.883	85.2
43	43	Total Tetra-Furans		1.71e5			0.99	10.0884		23.61		0.000	NO	0.9631		0.0985	1.09
44	44	1st Func. Penta-Furans		0.00e0			1.02	10.0884		27.73		0.000	NO	2.572		0.0456	2.57
45	45	Total Penta-Furans		0.00e0			1.02	10.0884		29.27		0.000	NO	0.8416		0.116	2.71
46	46	Total Hexa-Furans		0.00e0			1.13	10.0884		33.56		0.000	NO	8.445		0.145	8.74
47	47	Total Hepta-Furans		0.00e0			1.11	10.0884		37.93		0.000	NO	15.24		0.208	15.5
48	48	PFK1															
49	49	PFK2															
50	50	PFK3															
51	51	PFK4															
52	52	PFK5															









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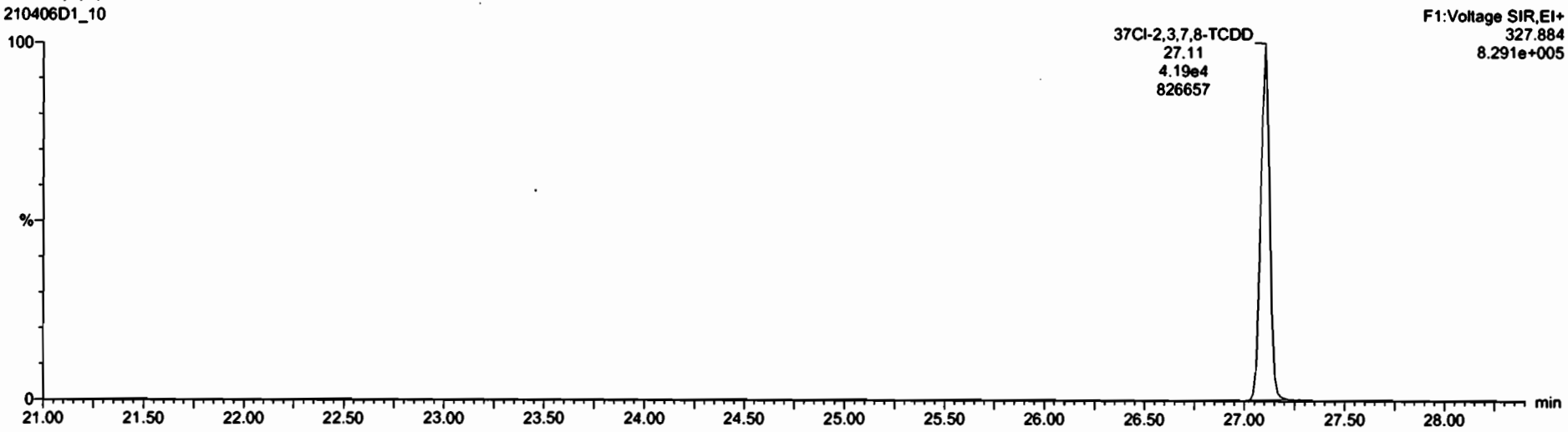
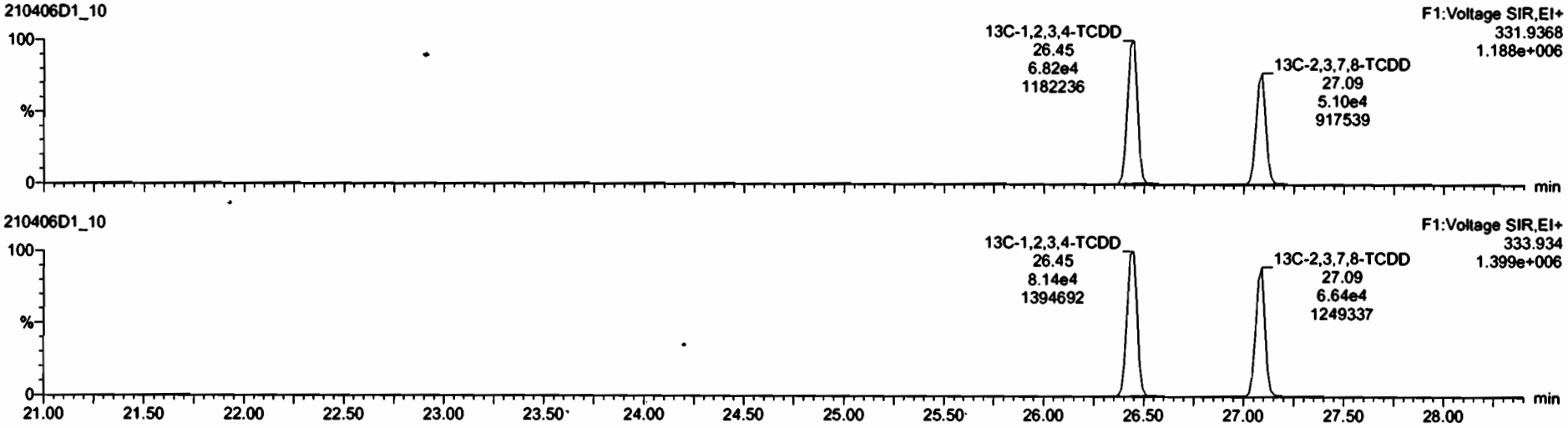
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_10, Date: 06-Apr-2021, Time: 15:17:32, ID: 2103216-04 USMPDI-059RAB-00-10-210318 11.42, Description: USMPDI-059RAB-00-10-210318

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



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



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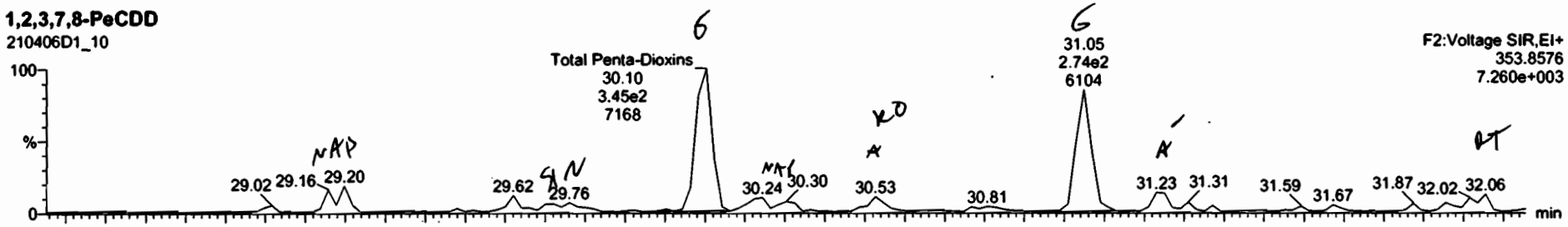
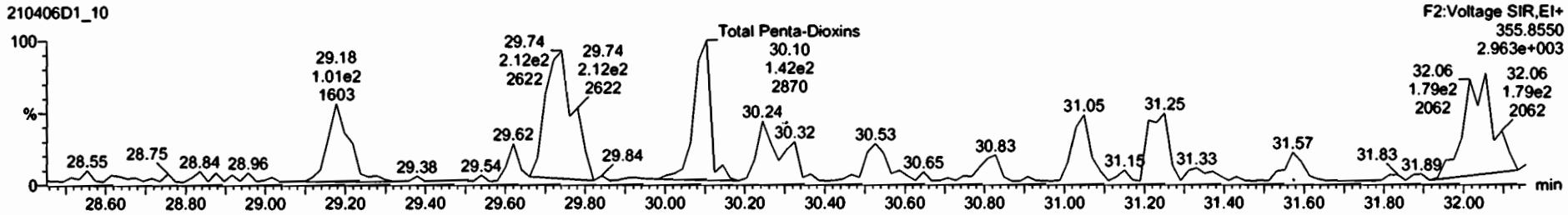
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

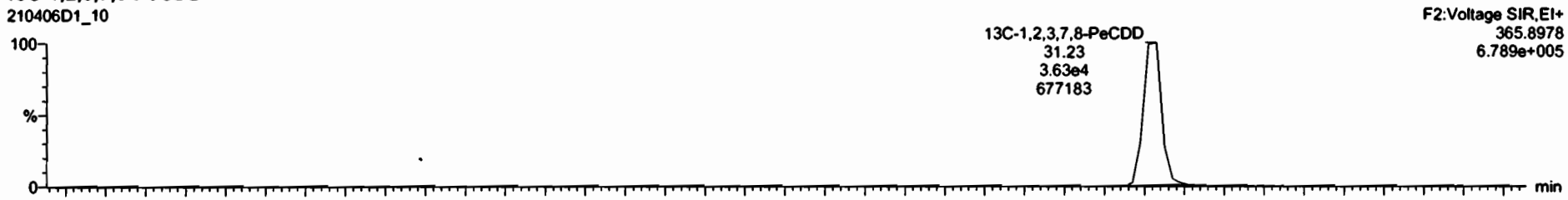
Name: 210406D1_10, Date: 06-Apr-2021, Time: 15:17:32, ID: 2103216-04 USMPDI-059RAB-00-10-210318 11.42, Description: USMPDI-059RAB-00-10-210318

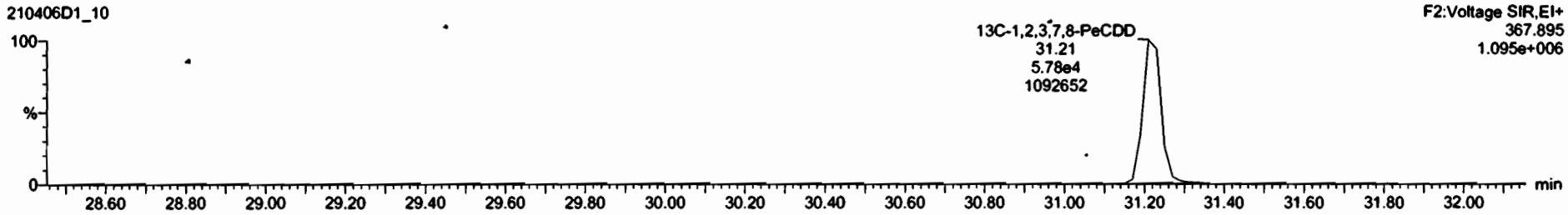
1,2,3,7,8-PeCDD





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



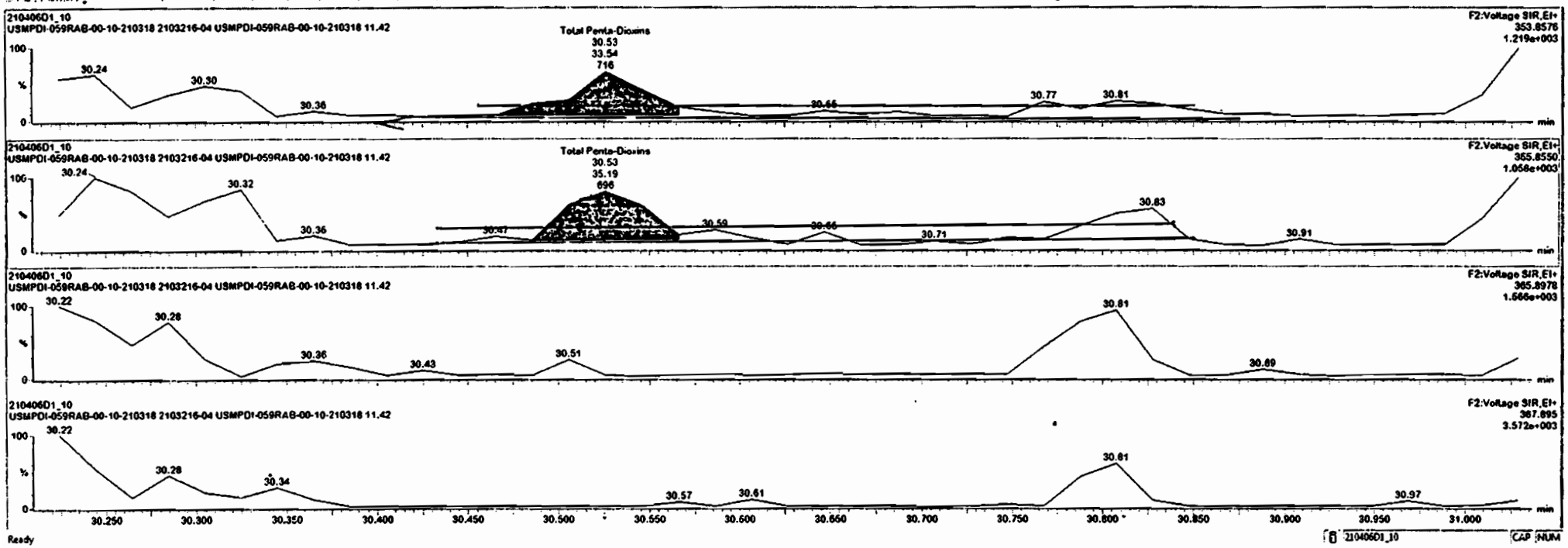


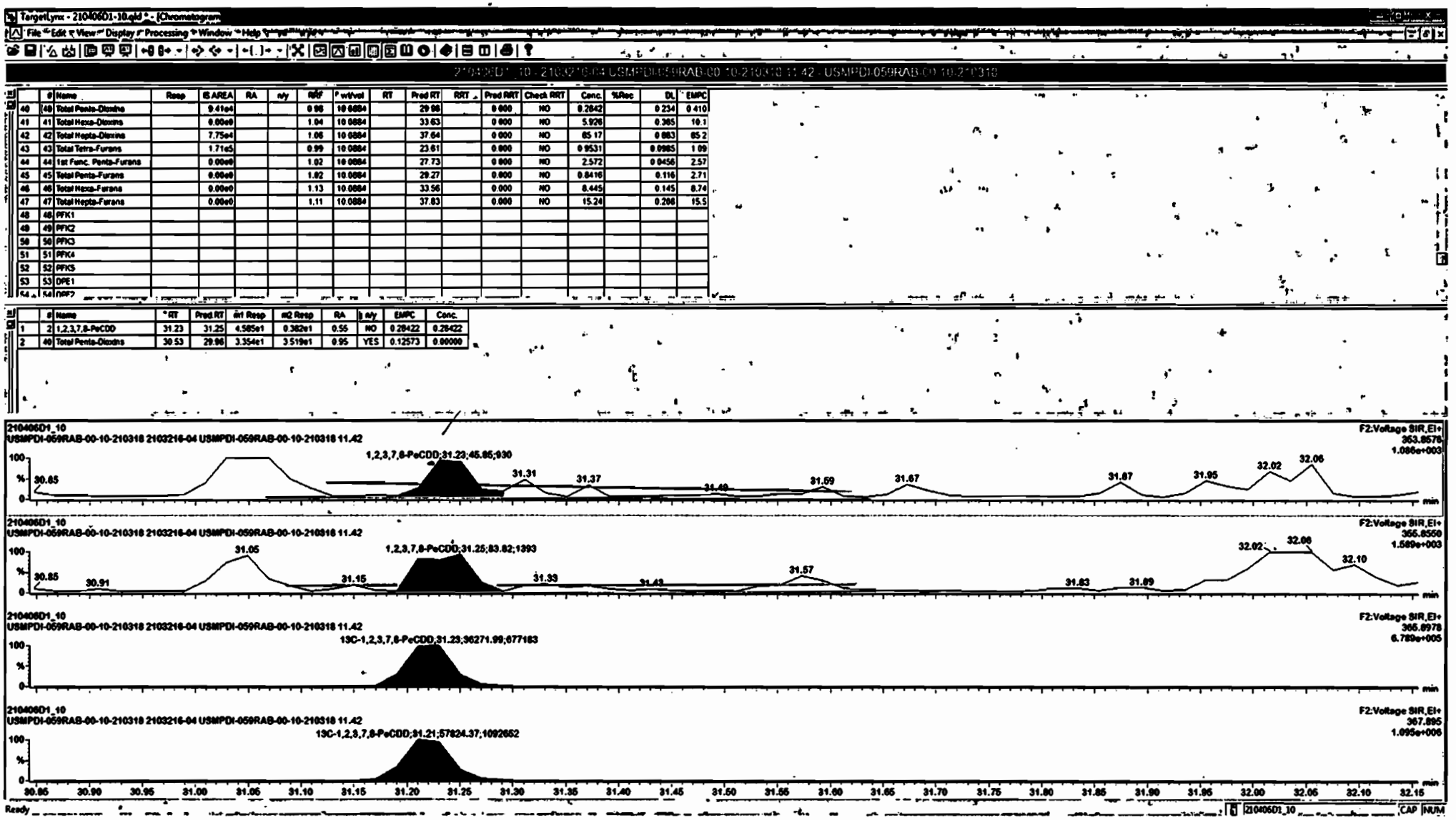
TargetLynx - 210406D1-10.qld * - [Chromatogram]

File Edit View Display Processing Window Help

210406D1_10 : 2103216-04 USMPDI-059RAB-00-10-210318 11.42 USMPDI-059RAB-00-10-210318

	#	Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
40	40	Total Penta-Dioxins		9.41e4			0.96	10.0884		29.96		0.000	NO	0.2842		0.234	0.916
41	41	Total Hexa-Dioxins		0.00e0			1.04	10.0884		33.63		0.000	NO	5.926		0.365	10.1
42	42	Total Hepta-Dioxins		7.75e4			1.06	10.0884		37.64		0.000	NO	85.17		0.883	85.2
43	43	Total Tetra-Furans		1.71e5			0.96	10.0884		23.61		0.000	NO	0.9531		0.0985	1.09
44	44	1st Func. Penta-Furans		0.00e0			1.02	10.0884		27.73		0.000	NO	2.572		0.0456	2.57
45	45	Total Penta-Furans		0.00e0			1.02	10.0884		29.27		0.000	NO	0.8416		0.116	2.71
46	46	Total Hexa-Furans		0.00e0			1.13	10.0884		33.56		0.000	NO	8.445		0.145	8.74
47	47	Total Hepta-Furans		0.00e0			1.11	10.0884		37.83		0.000	NO	15.24		0.208	15.5
48	48	PFK1															
49	49	PFK2															
50	50	PFK3															
51	51	PFK4															
52	52	PFK5															
53	53	CPE1															
54	54	DPE2															




TargetLynx - 210406D1-10.qld * - [Chromatogram]
File Edit View Display Processing Window Help
210406D1_10 - 2103216-04 USMPDI-059RAB-00-10-210318 11.42 - USMPDI-059RAB-00-10-210318
Name Resp IS AREA RA n/y RRF wt/vol RT Pred RT RRT Pred RRT Check RRT Conc. %Rec DL EMPC
40 40 Total Penta-Dioxins 9.41e4 0.98 10.0884 29.98 0.000 NO 0.2842 0.234 0.410
41 41 Total Hexa-Dioxins 0.00e0 1.04 10.0884 33.63 0.000 NO 5.926 0.365 10.1
42 42 Total Hepta-Dioxins 7.75e4 1.06 10.0884 37.64 0.000 NO 85.17 0.883 85.2
43 43 Total Tetra-Furans 1.71e5 0.99 10.0884 23.61 0.000 NO 0.9531 0.0985 1.09
44 44 1st Func. Penta-Furans 0.00e0 1.02 10.0884 27.73 0.000 NO 2.572 0.0456 2.57
45 45 Total Penta-Furans 0.00e0 1.02 10.0884 29.27 0.000 NO 0.8416 0.116 2.71
46 46 Total Hexa-Furans 0.00e0 1.13 10.0884 33.56 0.000 NO 8.445 0.145 8.74
47 47 Total Hepta-Furans 0.00e0 1.11 10.0884 37.83 0.000 NO 15.24 0.286 15.5
48 48 PFK1
49 49 PFK2
50 50 PFK3
51 51 PFK4
52 52 PFK5
53 53 DPE1
Name RT Pred RT a1 Resp a2 Resp RA n/y EMPC Conc.
1 2 1,2,3,7,8-PeCDD 31.23 31.25 4.585e1 0.382e1 0.55 NO 0.28422 0.28422
2 40 Total Penta-Dioxins 30.53 29.96 3.354e1 3.519e1 0.95 YES 0.12573 0.00000
210406D1_10
USMPDI-059RAB-00-10-210318 2103216-04 USMPDI-059RAB-00-10-210318 11.42
F2:Voltage SIR,EI+
353.8578
1.088e+003
1,2,3,7,8-PeCDD;31.23;45.85;930
30.85
31.31
31.37
31.69
31.87
31.87
31.95
32.02
32.06
min
210406D1_10
USMPDI-059RAB-00-10-210318 2103216-04 USMPDI-059RAB-00-10-210318 11.42
F2:Voltage SIR,EI+
355.8550
1.589e+003
1,2,3,7,8-PeCDD;31.25;83.82;1393
30.85
30.91
31.05
31.15
31.33
31.57
31.83
31.89
32.02
32.06
32.10
min
210406D1_10
USMPDI-059RAB-00-10-210318 2103216-04 USMPDI-059RAB-00-10-210318 11.42
F2:Voltage SIR,EI+
365.8978
6.789e+005
13C-1,2,3,7,8-PeCDD;31.23;36271.99;677183
min
210406D1_10
USMPDI-059RAB-00-10-210318 2103216-04 USMPDI-059RAB-00-10-210318 11.42
F2:Voltage SIR,EI+
367.895
1.095e+006
13C-1,2,3,7,8-PeCDD;31.21;57824.37;1092652
30.85 30.90 30.95 31.00 31.05 31.10 31.15 31.20 31.25 31.30 31.35 31.40 31.45 31.50 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
min
Ready
210406D1_10
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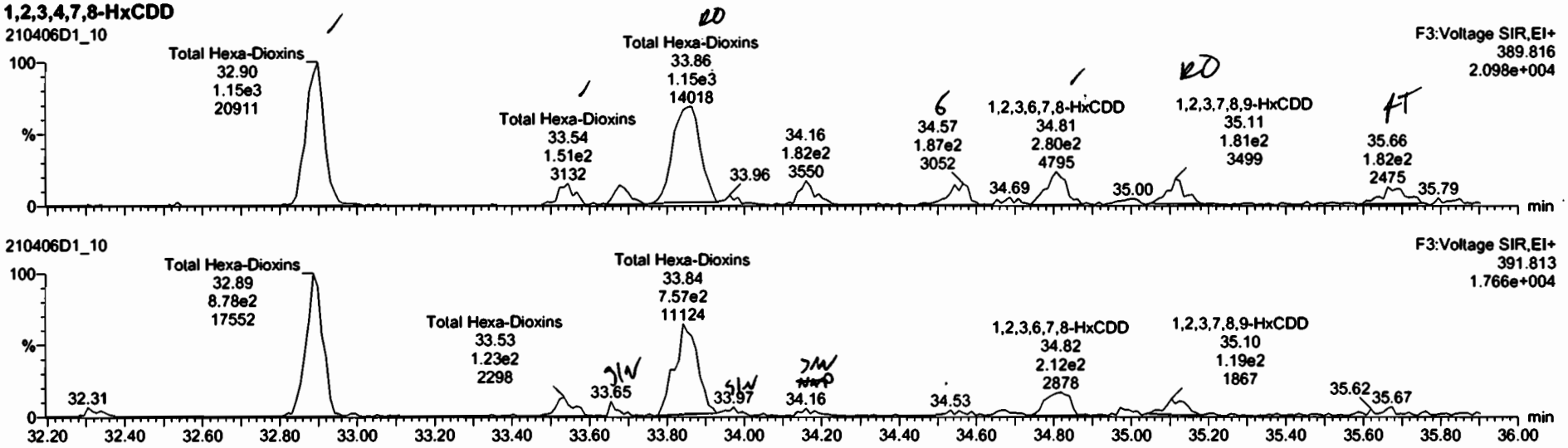
Dataset: Untitled

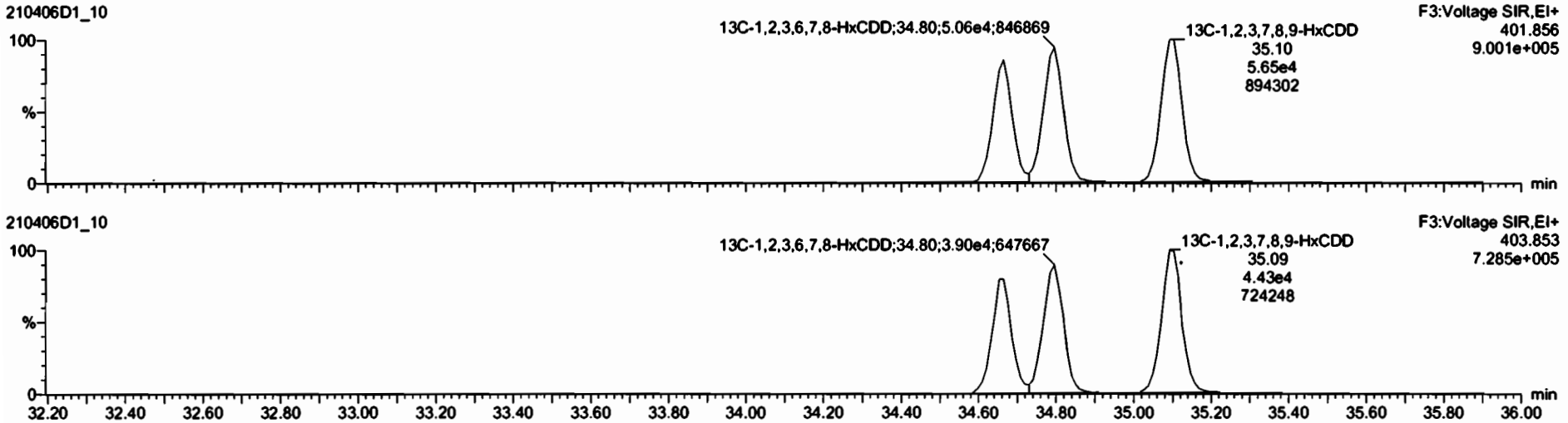
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_10, Date: 06-Apr-2021, Time: 15:17:32, ID: 2103216-04 USMPDI-059RAB-00-10-210318 11.42, Description: USMPDI-059RAB-00-10-210318

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



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



TargetLynx - 210405D1-12.qld - Chromatogram

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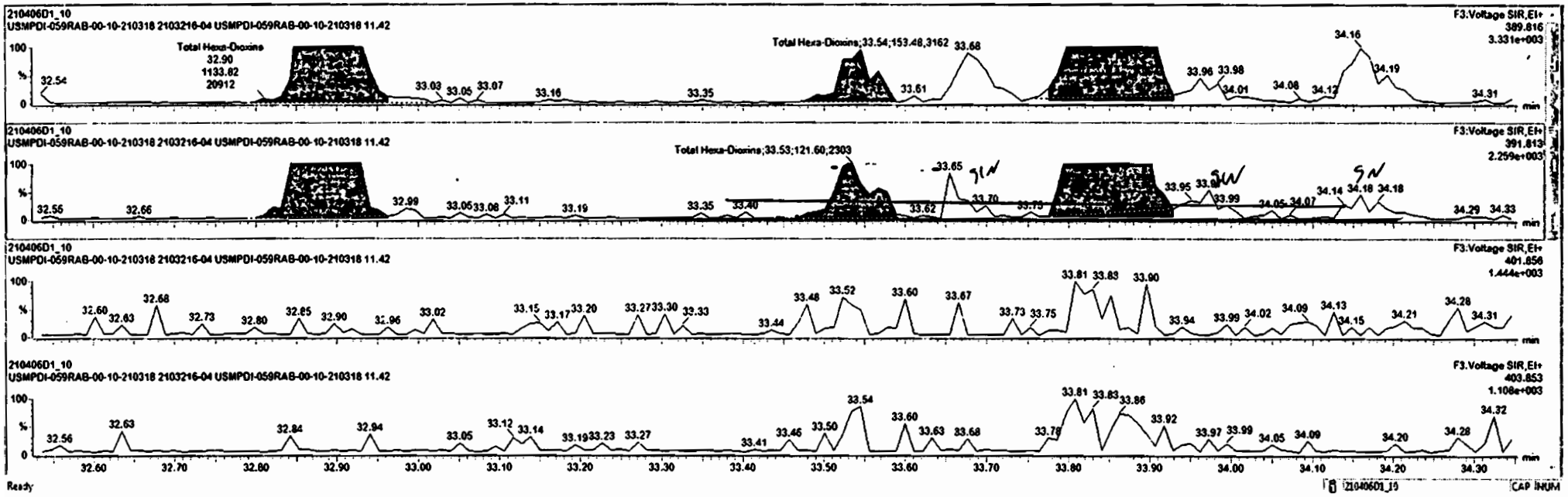
210406D1_10 2103216-04 USMPDI-059RAB-00-10-210318 11.42 USMPDI-059RAB-00-10-210318

	#	Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
38	38	13C-1,2,3,4,6,9-HxCDF	1.58e5	1.58e5	0.50	NO	1.00	10.0884	34.17	34.18	1.000	1.000	NO	198.2	100	0.555	
39	39	Total Tetra-Dioxins		1.17e5			1.00	10.0884		24.62		0.000	NO	9.0000		0.0477	0.137
40	40	Total Penta-Dioxins		9.41e4			0.96	10.0884		29.95		0.000	NO	0.2842		0.234	0.410
41	41	Total Hexa-Dioxins		8.00e0			1.04	10.0884		33.63		0.000	NO	15.815		0.365	10.2
42	42	Total Hepta-Dioxins		7.75e4			1.06	10.0884		37.64		0.000	NO	85.17		0.883	85.2
43	43	Total Tetra-Furans		1.71e5			0.99	10.0884		23.61		0.000	NO	0.9631		0.0985	1.09
44	44	Total Func. Penta-Furans		0.00e0			1.02	10.0884		27.73		0.000	NO	2.572		0.0456	2.57
45	45	Total Penta-Furans		0.00e0			1.02	10.0884		29.27		0.000	NO	2.648		0.116	2.71
46	46	Total Hexa-Furans		0.00e0			1.13	10.0884		33.56		0.000	NO	8.445		0.145	8.74
47	47	Total Hepta-Furans		0.00e0			1.11	10.0884		37.83		0.000	NO	15.24		0.228	15.5
48	48	PFK1															
49	49	PFK2															
50	50	PFK3															
51	51	PFK4															
52	52	PFK5															
53	53	DPE1															
54	54	DPE2															
55	55	DPE3															
56	56	DPE4															
57	57	DPE5															
58	58	DPE6															

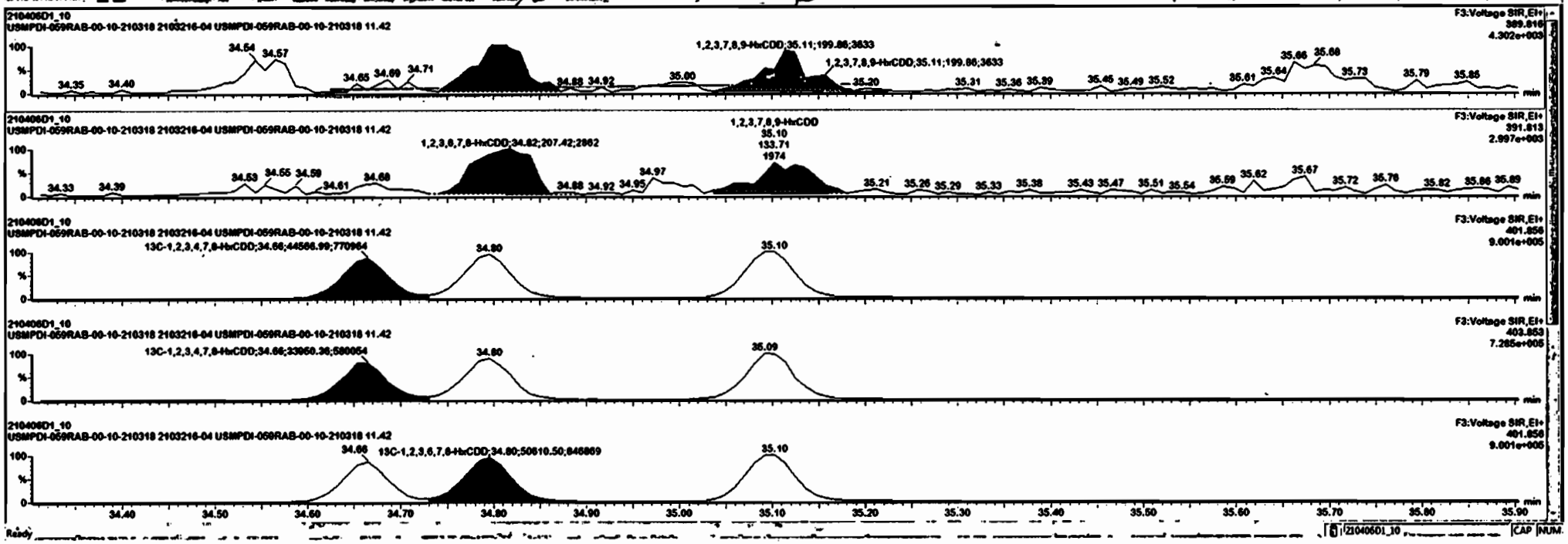


TargetLynx - 210406D1-10.qld - Chromatogram

File Edit View Display Processing Window Help

210406D1_10 - 2103216-04 USMPDI-059RAB-00-10-210318 11.42 - USMPDI-059RAB-00-10-210318

	#	Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
38	38	13C-1,2,3,4,6,9-HxCDF	1.58e5	1.58e5	0.50	NO	1.00	10.0884	34.17	34.18	1.000	1.000	NO	196.2	100	0.555	
39	39	Total Tetra-Dioxins		1.17e5			1.00	10.0884		24.62		0.000	NO	0.0000		0.0477	0.137
40	40	Total Penta-Dioxins		9.41e4			0.98	10.0884		29.98		0.000	NO	0.2842		0.234	0.410
41	41	Total Hexa-Dioxins		0.00e0			1.04	10.0884		33.63		0.000	NO	5.915		0.365	10.2
42	42	Total Hepta-Dioxins		7.75e4			1.06	10.0884		37.64		0.000	NO	85.17		0.883	85.2
43	43	Total Tetra-Furans		1.71e5			0.99	10.0884		23.61		0.000	NO	0.9531		0.0985	1.09
44	44	1st Func. Penta-Furans		0.00e0			1.02	10.0884		27.73		0.000	NO	2.572		0.0456	2.57
45	45	Total Penta-Furans		0.00e0			1.02	10.0884		29.27		0.000	NO	0.8416		0.116	2.71
46	46	Total Hexa-Furans		0.00e0			1.13	10.0884		33.56		0.000	NO	8.445		0.145	8.74
47	47	Total Hepta-Furans		0.00e0			1.11	10.0884		37.83		0.000	NO	15.24		0.206	15.5
48	48	PFK1															
49	49	PFK2															
50	50	PFK3															
51	51	PFK4															
52	52	PFK5															



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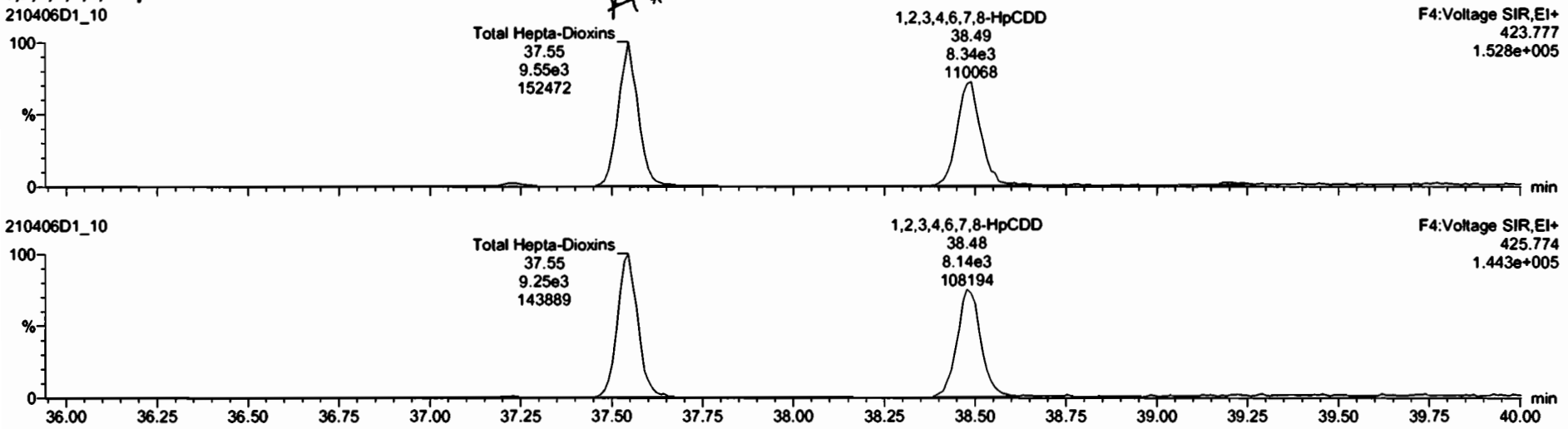
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

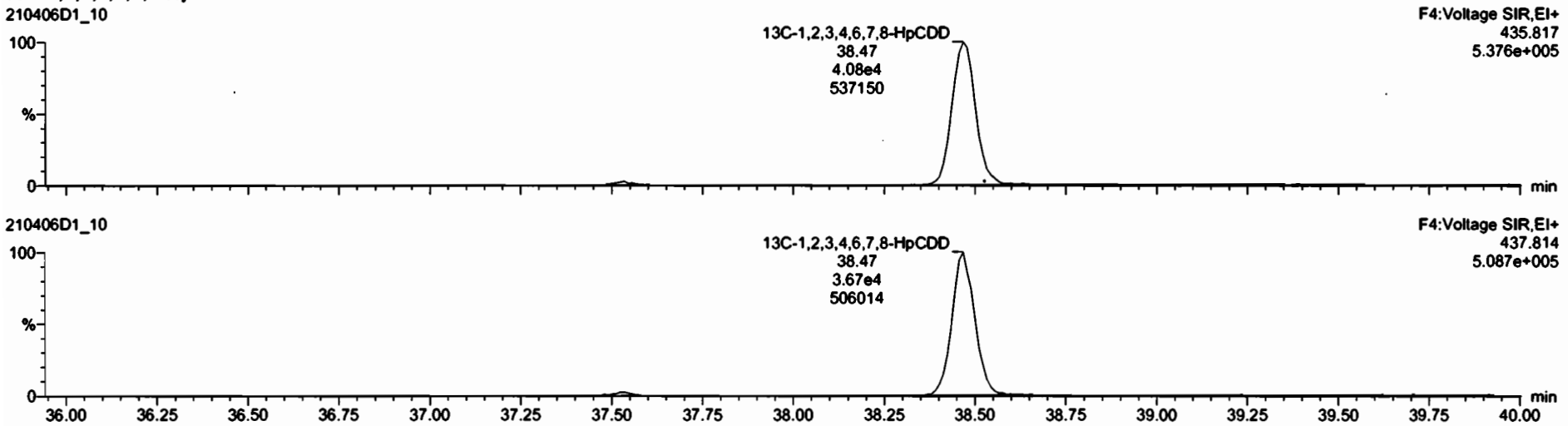
*DF 04/21/21

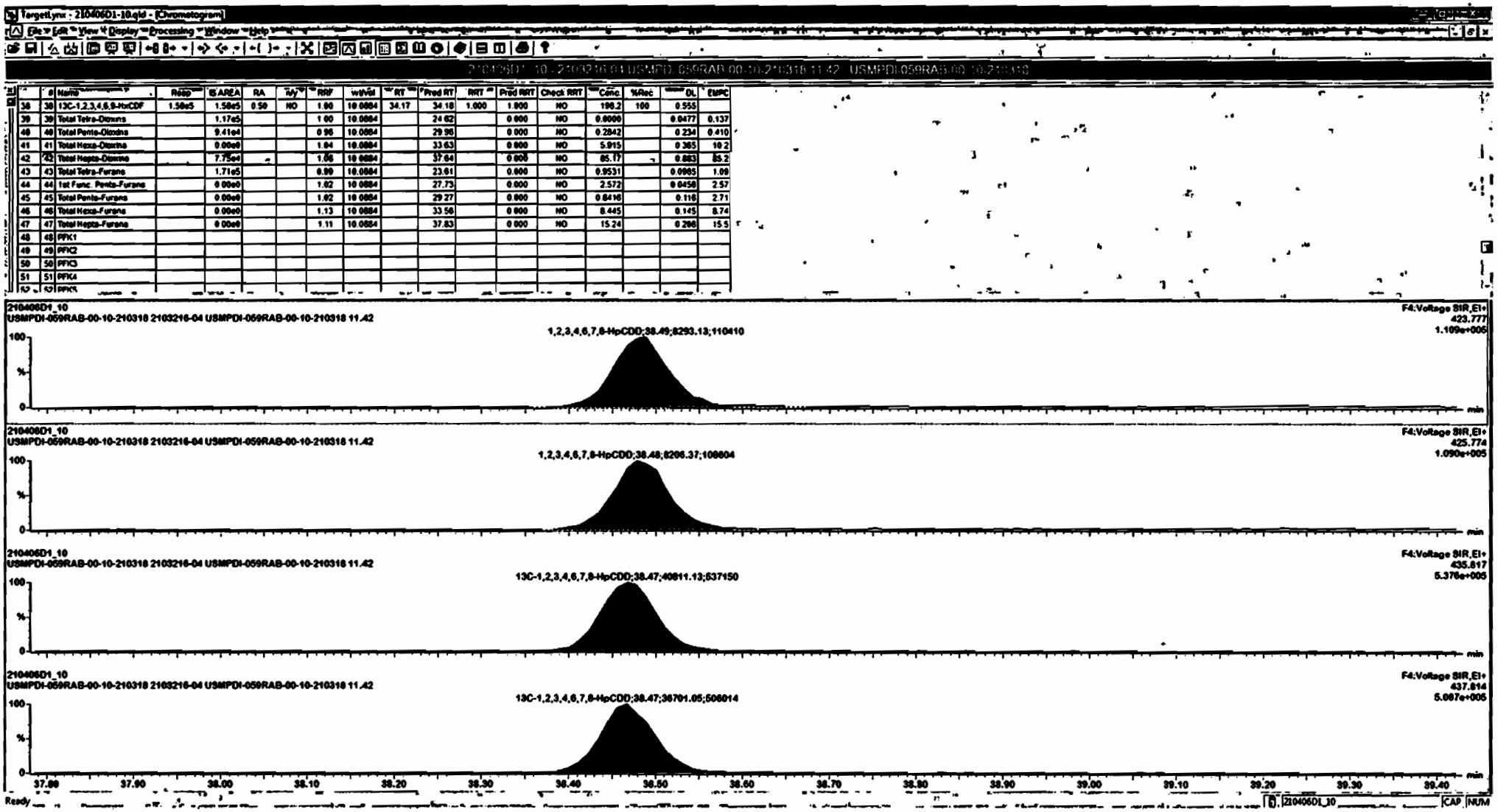
Name: 210406D1_10, Date: 06-Apr-2021, Time: 15:17:32, ID: 2103216-04 USMPDI-059RAB-00-10-210318 11.42, Description: USMPDI-059RAB-00-10-210318

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



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





		Name	Resp	IS AREA	RA	dy	RRF	wtVol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
38	38	13C-1,2,3,4,6,8-HxCDF	1.58e5	1.58e5	0.50	NO	1.00	10.0884	34.17	34.18	1.000	1.000	NO	198.2	100	0.555	
39	39	Total Tetra-Dioxins		1.17e5			1.00	10.0884		24.62		0.000	NO	0.6006		0.0477	0.137
40	40	Total Penta-Dioxins		9.41e4			0.96	10.0884		29.96		0.000	NO	0.2842		0.234	0.410
41	41	Total Hexa-Dioxins		0.00e0			1.04	10.0884		33.63		0.000	NO	5.915		0.365	10.2
42	42	Total Hepta-Dioxins		7.75e4			1.06	10.0884		37.64		0.000	NO	85.17		0.883	85.2
43	43	Total Tetra-Furans		1.71e5			0.99	10.0884		23.61		0.000	NO	0.9531		0.0965	1.09
44	44	1st Func. Penta-Furans		0.00e0			1.02	10.0884		27.73		0.000	NO	2.572		0.0458	2.57
45	45	Total Penta-Furans		0.00e0			1.02	10.0884		29.27		0.000	NO	0.8416		0.116	2.71
46	46	Total Hexa-Furans		0.00e0			1.13	10.0884		33.58		0.000	NO	8.445		0.145	8.74
47	47	Total Hepta-Furans		0.00e0			1.11	10.0884		37.83		0.000	NO	15.24		0.298	15.5
48	48	PFK1															
49	49	PFK2															
50	50	PFK3															
51	51	PFK4															

Dataset: Untitled

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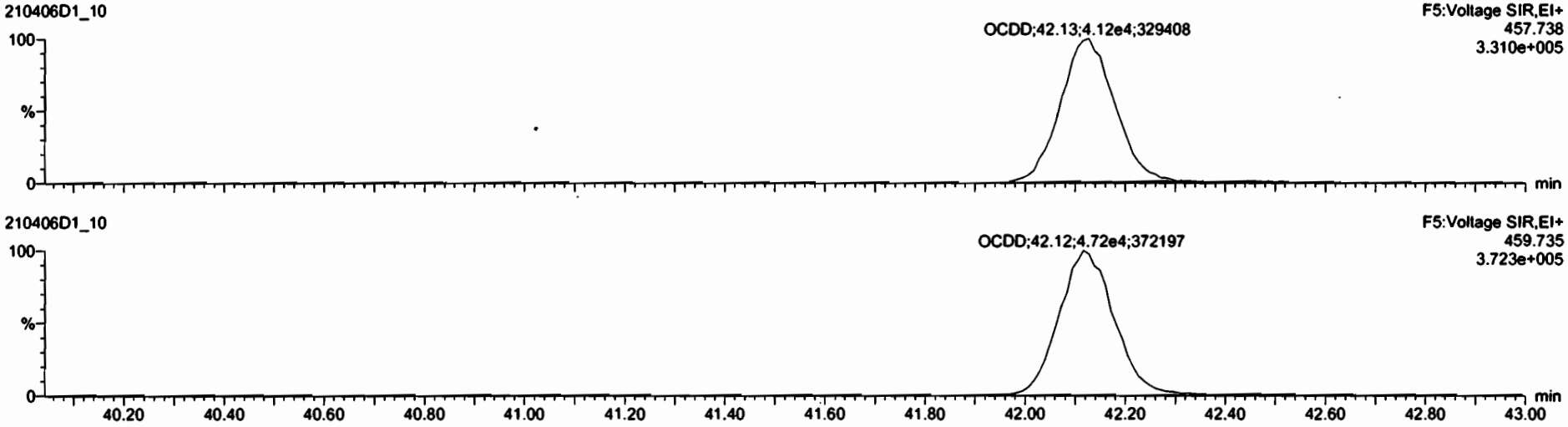
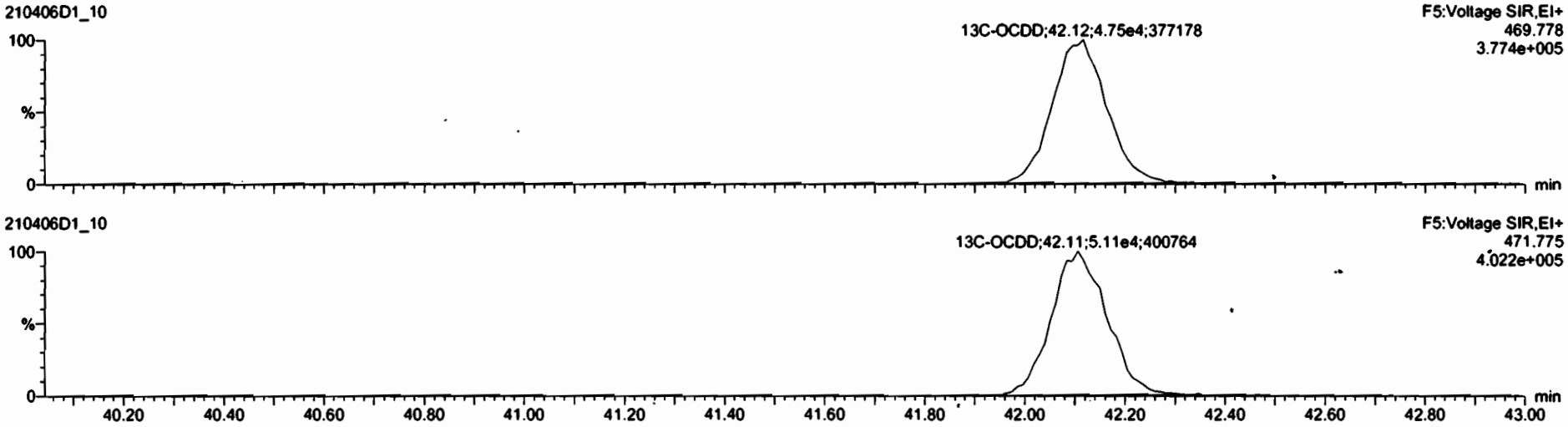
Name: 210406D1_10, Date: 06-Apr-2021, Time: 15:17:32, ID: 2103216-04 USMPDI-059RAB-00-10-210318 11.42, Description: USMPDI-059RAB-00-10-210318

OCDD



13C-OCDD



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Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
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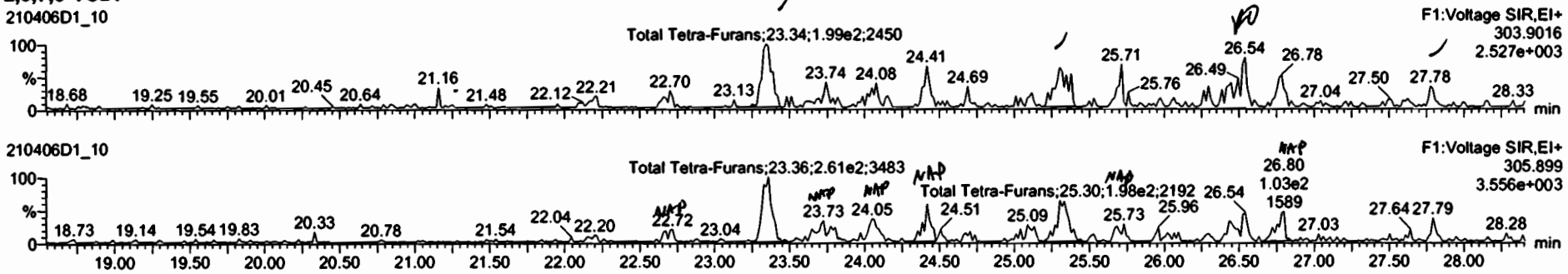
Name: 210406D1_10, Date: 06-Apr-2021, Time: 15:17:32, ID: 2103216-04 USMPDI-059RAB-00-10-210318 11.42, Description: USMPDI-059RAB-00-10-210318

2,3,7,8-TCDF



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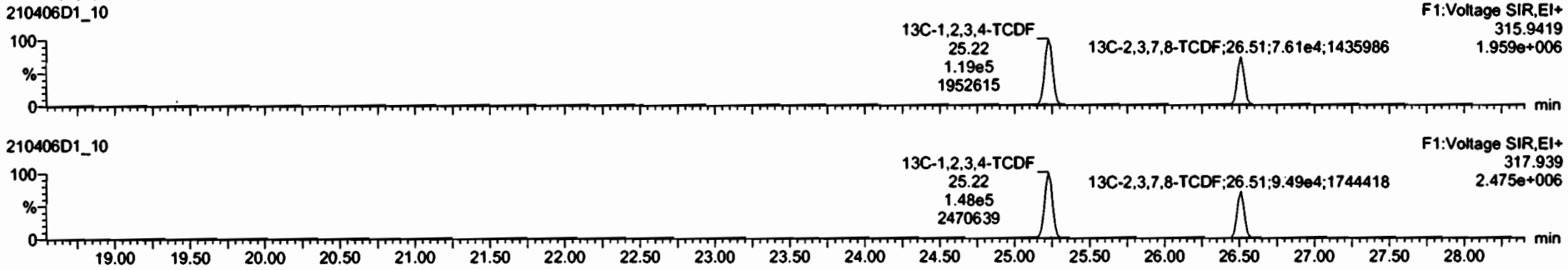
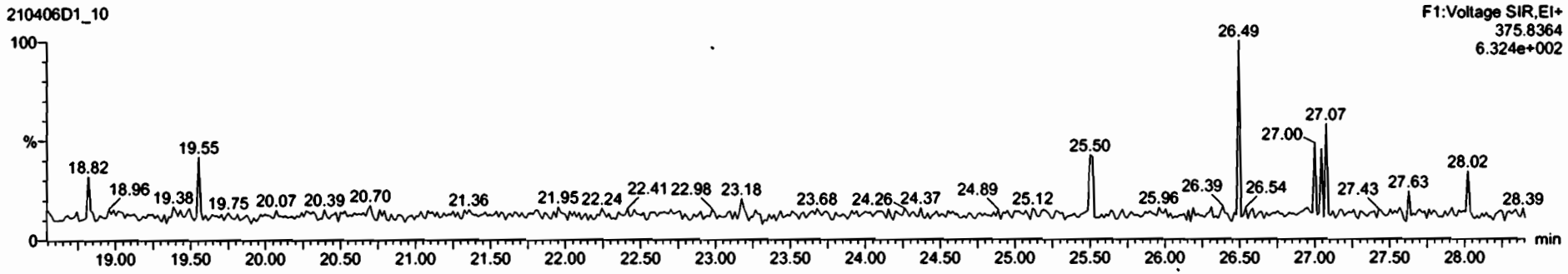
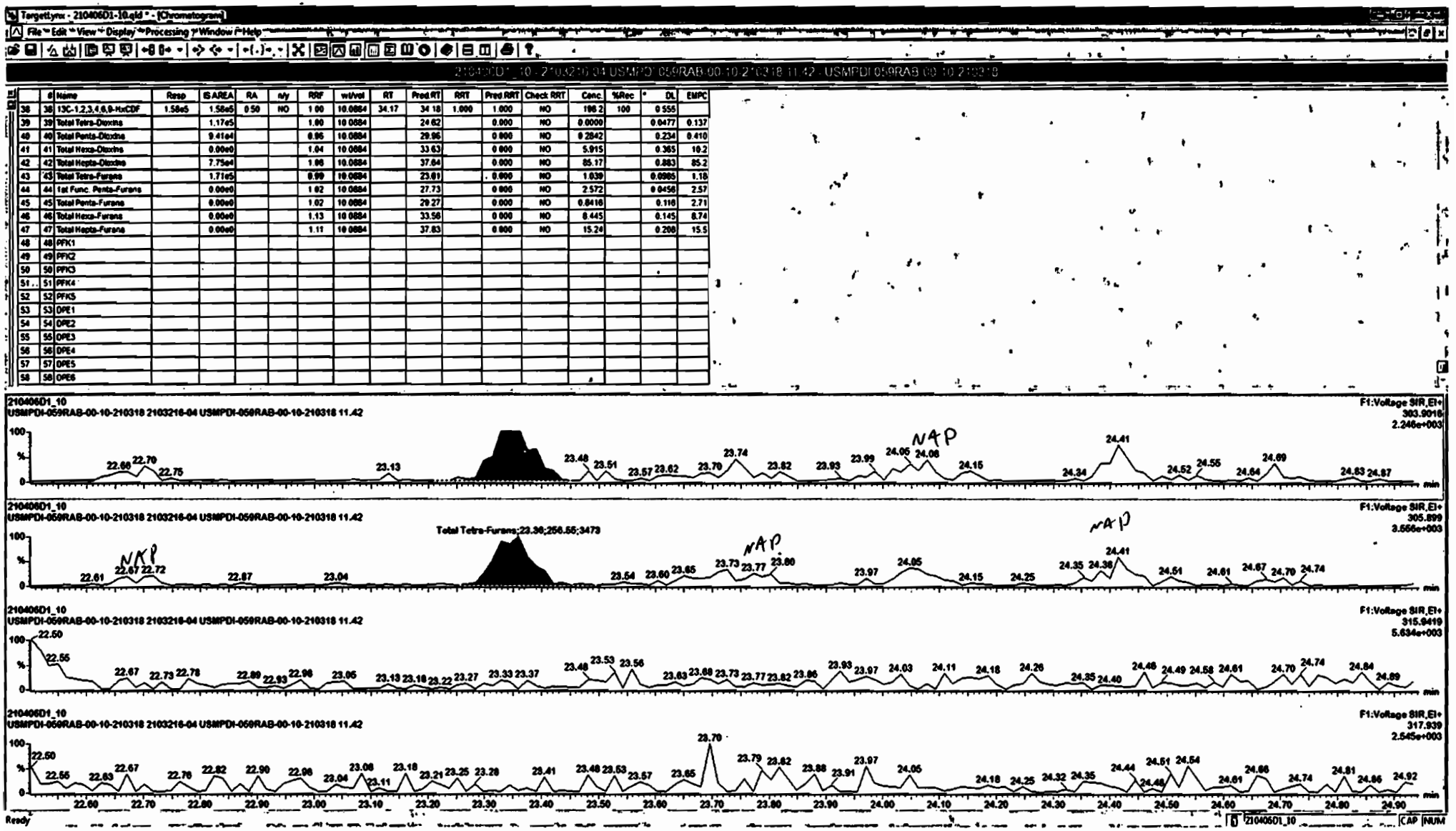


DPE1





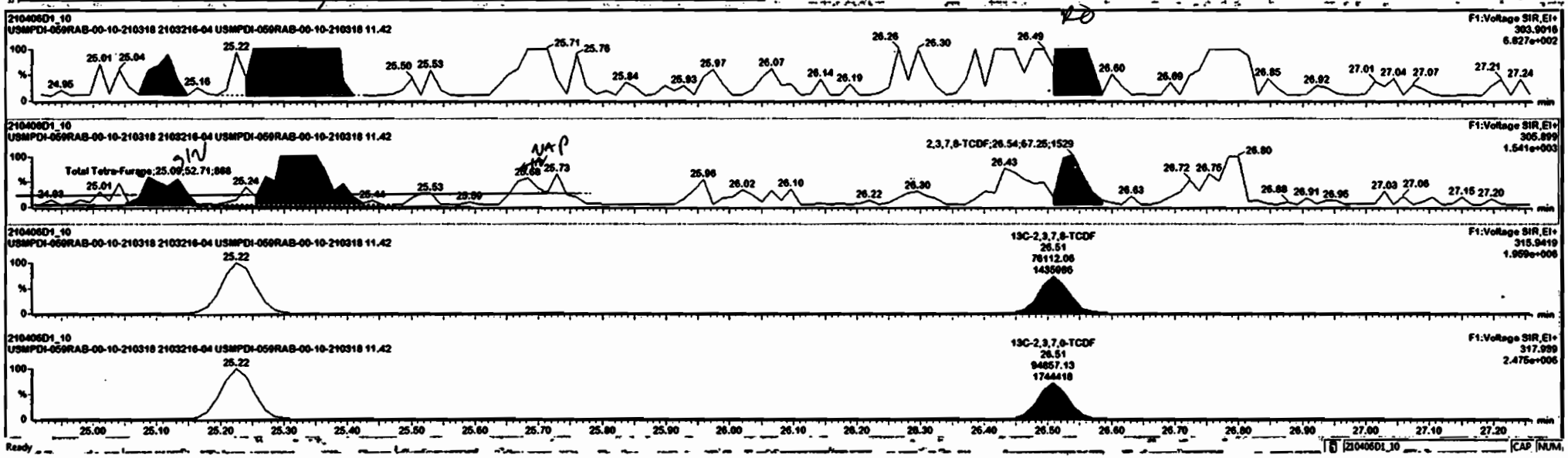
	#	Name	Resp	IS AREA	RA	n/y	RRF	w/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
38	38	13C-1,2,3,4,6,9-HxCDF	1.58e5	1.58e5	0.50	NO	1.00	10.0884	34.17	34.18	1.000	1.000	NO	198.2	100	0.555	
39	39	Total Tetra-Dioxins		1.17e5			1.00	10.0884		24.62		0.000	NO	0.0000		0.0477	0.137
40	40	Total Penta-Dioxins		9.41e4			0.95	10.0884		29.96		0.000	NO	0.2842		0.234	0.410
41	41	Total Hexa-Dioxins		0.00e0			1.04	10.0884		33.63		0.000	NO	5.915		0.365	10.2
42	42	Total Hepta-Dioxins		7.75e4			1.06	10.0884		37.64		0.000	NO	85.17		0.883	85.2
43	43	Total Tetra-Furans		1.71e5			0.99	10.0884		23.01		0.000	NO	1.039		0.0985	1.18
44	44	1st Func. Penta-Furans		0.00e0			1.02	10.0884		27.73		0.000	NO	2.572		0.0456	2.57
45	45	Total Penta-Furans		0.00e0			1.02	10.0884		29.27		0.000	NO	0.8416		0.116	2.71
46	46	Total Hexa-Furans		0.00e0			1.13	10.0884		33.56		0.000	NO	8.445		0.145	8.74
47	47	Total Hepta-Furans		0.00e0			1.11	10.0884		37.83		0.000	NO	15.24		0.208	15.5
48	48	PFK1															
49	49	PFK2															
50	50	PFK3															
51	51	PFK4															
52	52	PFK5															
53	53	DPE1															
54	54	DPE2															
55	55	DPE3															
56	56	DPE4															
57	57	DPE5															
58	58	DPE6															

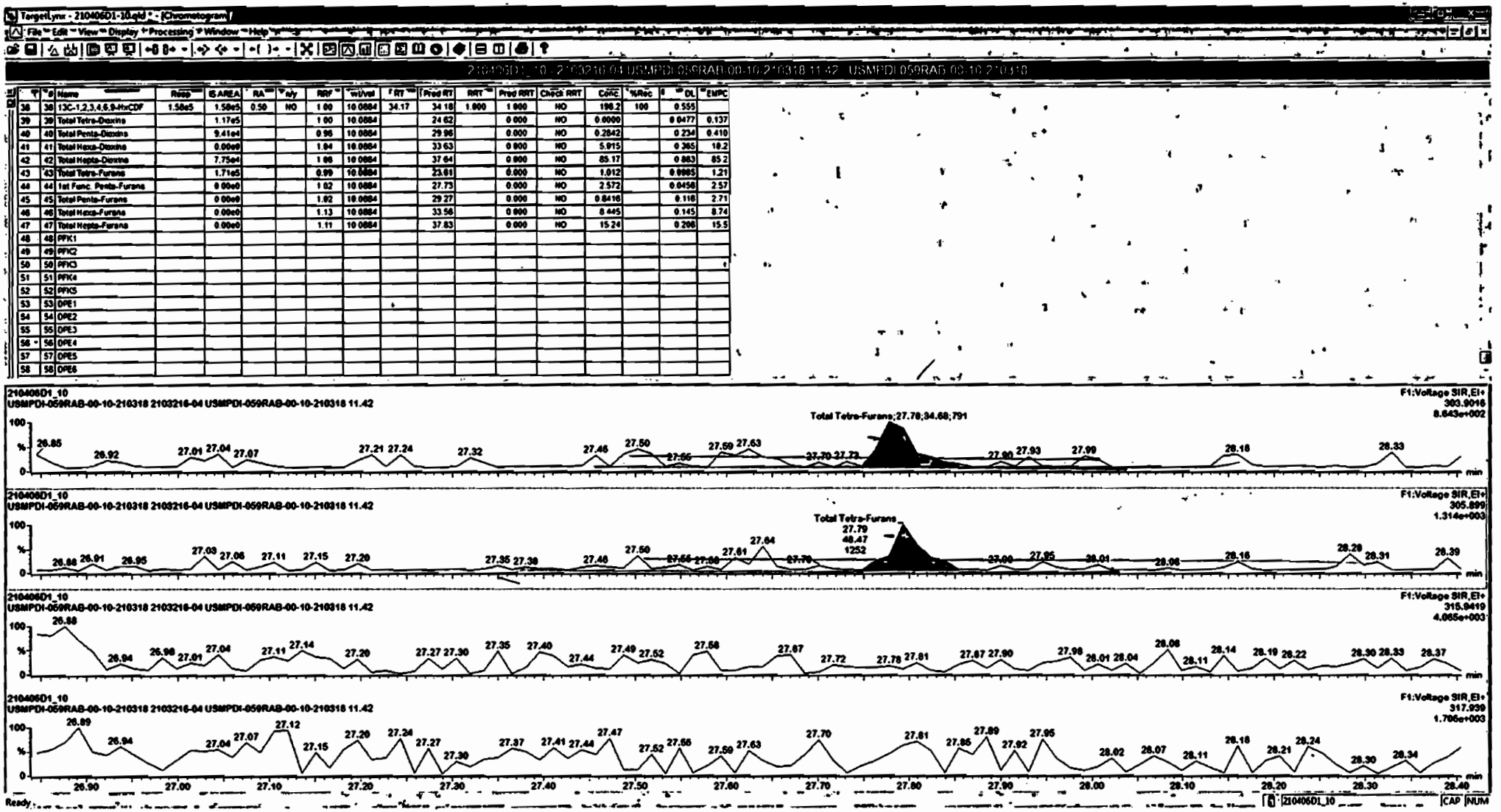
TargetLynx - 210406D1-10.qld * - [Chromatogram]

File Edit View Display Processing Window Help

210406D1_10 - 2103216-04 USMPDI-059RAB-00-10-210318 11.42 USMPDI-059RAB-00-10-210318

	#	Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
38	38	13C-1,2,3,4,6,9-HxCDF	1.58e5	1.58e5	0.50	NO	1.00	10.0884	34.17	34.18	1.000	1.000	NO	198.2	100	0.555	
39	39	Total Tetra-Dioxins		1.17e5			1.00	10.0884		24.62		0.000	NO	0.0000		0.0477	0.137
40	40	Total Penta-Dioxins		9.41e4			0.96	10.0884		29.96		0.000	NO	0.2842		0.234	0.410
41	41	Total Hexa-Dioxins		0.00e0			1.04	10.0884		33.63		0.000	NO	5.915		0.365	10.2
42	42	Total Hepta-Dioxins		7.75e4			1.06	10.0884		37.64		0.000	NO	85.17		0.883	85.2
43	43	Total Tetra-Furans		1.71e5			0.99	10.0884		23.61		0.000	NO	1.012		0.0985	1.21
44	44	1st Func. Penta-Furans		0.00e0			1.02	10.0884		27.73		0.000	NO	2.572		0.0456	2.57
45	45	Total Penta-Furans		0.00e0			1.02	10.0884		29.27		0.000	NO	0.8416		0.116	2.71
46	46	Total Hexa-Furans		0.00e0			1.13	10.0884		33.56		0.000	NO	8.445		0.145	8.74
47	47	Total Hepta-Furans		0.00e0			1.11	10.0884		37.83		0.000	NO	15.24		0.206	15.5
48	48	PFK1															
49	49	PFK2															
50	50	PFK3															
51	51	PFK4															
52	52	PFK5															
53	53	DPE1															
54	54	DPE2															
55	55	DPE3															
56	56	DPE4															
57	57	DPE5															
58	58	DPE6															




TargetLynx - 210406D1-10.qld * - [Chromatogram]
File Edit View Display Processing Window Help
210406D1_10 2103216-04 USMPDI-059RAB-00-10-210318 11.42 USMPDI-059RAB-00-10-210318
Name Resp IS AREA RA n/y RRF wt/vol RT Pred RT RRT Pred RRT Check RRT Conc %Rec DL EMPC
38 38 13C-1,2,3,4,6,9-HxCDF 1.58e5 1.58e5 0.50 NO 1.00 10.0884 34.17 34.18 1.000 1.000 NO 196.2 100 0.555
39 39 Total Tetra-Dioxins 1.17e5 1.00 10.0884 24.62 0.000 NO 0.0000 0.0477 0.137
40 40 Total Penta-Dioxins 9.41e4 0.96 10.0884 29.96 0.000 NO 0.2842 0.234 0.410
41 41 Total Hexa-Dioxins 0.00e0 1.04 10.0884 33.63 0.000 NO 5.915 0.365 10.2
42 42 Total Hepta-Dioxins 7.75e4 1.06 10.0884 37.64 0.000 NO 85.17 0.863 85.2
43 43 Total Tetra-Furans 1.71e5 0.99 10.0884 23.61 0.000 NO 1.012 0.0985 1.21
44 44 1st Func. Penta-Furans 0.00e0 1.02 10.0884 27.75 0.000 NO 2.572 0.0458 2.57
45 45 Total Penta-Furans 0.00e0 1.02 10.0884 29.27 0.000 NO 0.8416 0.116 2.71
46 46 Total Hexa-Furans 0.00e0 1.13 10.0884 33.56 0.000 NO 8.445 0.145 8.74
47 47 Total Hepta-Furans 0.00e0 1.11 10.0884 37.83 0.000 NO 15.24 0.208 15.5
48 48 PFK1
49 49 PFK2
50 50 PFK3
51 51 PFK4
52 52 PFK5
53 53 DPE1
54 54 DPE2
55 55 DPE3
56 56 DPE4
57 57 DPE5
58 58 DPE6
210406D1_10
USMPDI-059RAB-00-10-210318 2103216-04 USMPDI-059RAB-00-10-210318 11.42
F1:Voltage SIR,EI+
303.9016
8.643e+002
Total Tetra-Furans;27.78;34.68;791
26.85 26.92 27.01 27.04 27.07 27.21 27.24 27.32 27.46 27.50 27.55 27.59 27.63 27.70 27.73 27.90 27.93 27.99 28.18 28.33
min
210406D1_10
USMPDI-059RAB-00-10-210318 2103216-04 USMPDI-059RAB-00-10-210318 11.42
F1:Voltage SIR,EI+
305.899
1.314e+003
Total Tetra-Furans
27.79
48.47
1252
26.86 26.91 26.95 27.03 27.06 27.11 27.15 27.20 27.35 27.38 27.46 27.50 27.55 27.58 27.61 27.64 27.70 28.00 28.05 28.06 28.16 28.29 28.31 28.39
min
210406D1_10
USMPDI-059RAB-00-10-210318 2103216-04 USMPDI-059RAB-00-10-210318 11.42
F1:Voltage SIR,EI+
315.9419
4.065e+003
26.88 26.94 26.98 27.01 27.04 27.11 27.14 27.20 27.27 27.30 27.35 27.40 27.44 27.49 27.52 27.58 27.67 27.72 27.78 27.81 27.87 27.90 27.98 28.01 28.04 28.08 28.11 28.14 28.19 28.22 28.30 28.33 28.37
min
210406D1_10
USMPDI-059RAB-00-10-210318 2103216-04 USMPDI-059RAB-00-10-210318 11.42
F1:Voltage SIR,EI+
317.939
1.766e+003
26.89 26.94 27.04 27.07 27.12 27.15 27.20 27.24 27.27 27.30 27.37 27.41 27.44 27.47 27.52 27.55 27.59 27.63 27.70 27.81 27.85 27.89 27.92 27.95 28.02 28.07 28.11 28.16 28.21 28.24 28.30 28.34
min
Ready
210406D1_10
CAP NUM

Dataset: Untitled

Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
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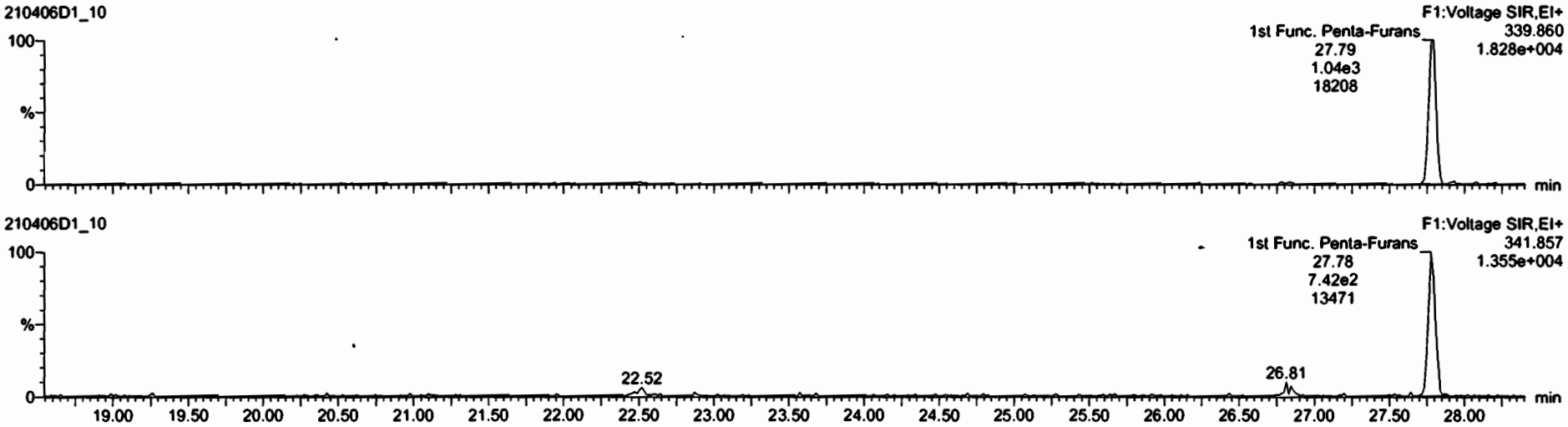
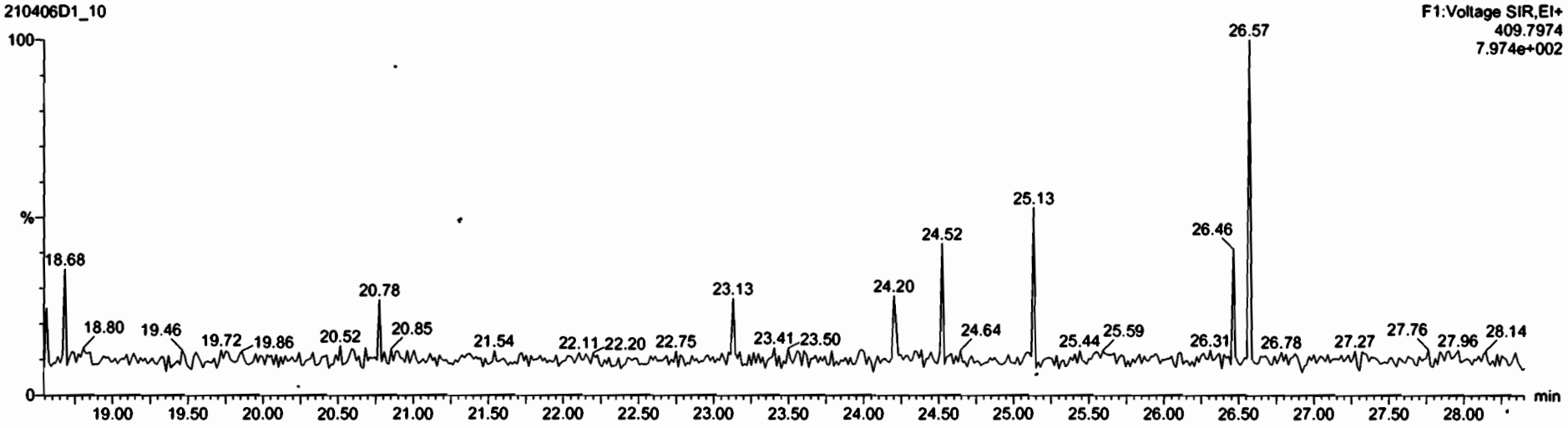
Name: 210406D1_10, Date: 06-Apr-2021, Time: 15:17:32, ID: 2103216-04 USMPDI-059RAB-00-10-210318 11.42, Description: USMPDI-059RAB-00-10-210318

1st Func. Penta-Furans



DPE6



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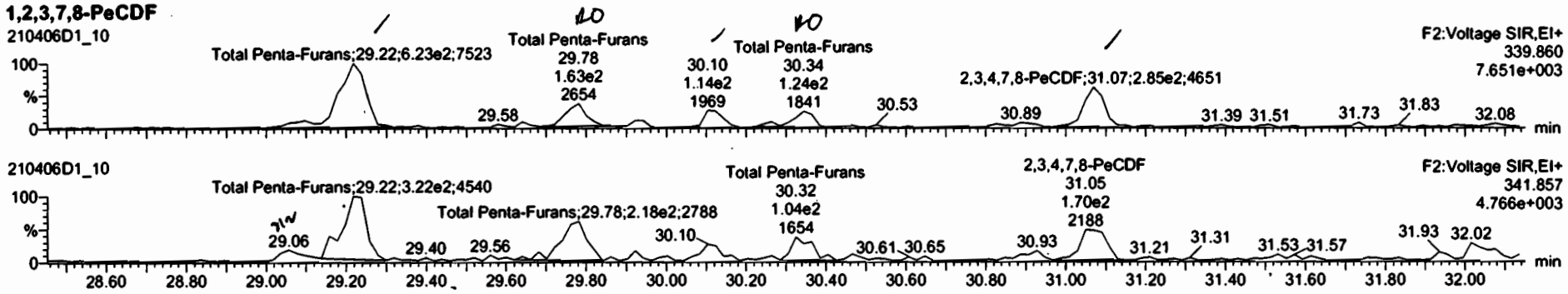
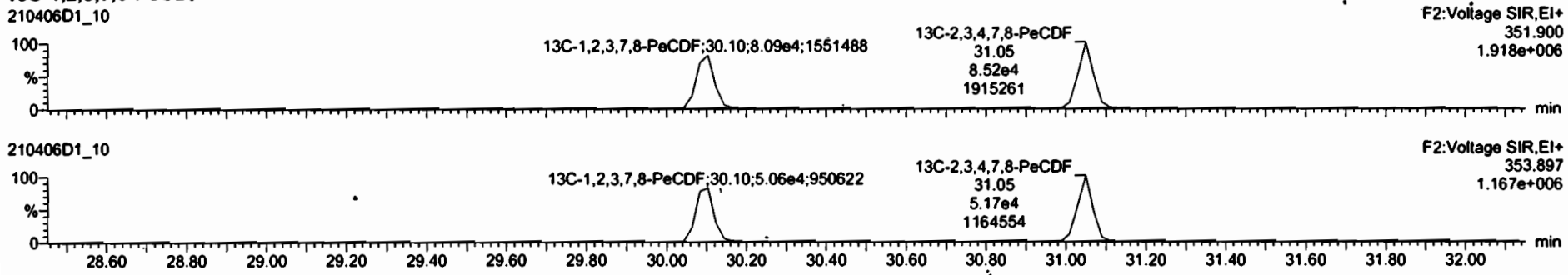
Name: 210406D1_10, Date: 06-Apr-2021, Time: 15:17:32, ID: 2103216-04 USMPDI-059RAB-00-10-210318 11.42, Description: USMPDI-059RAB-00-10-210318

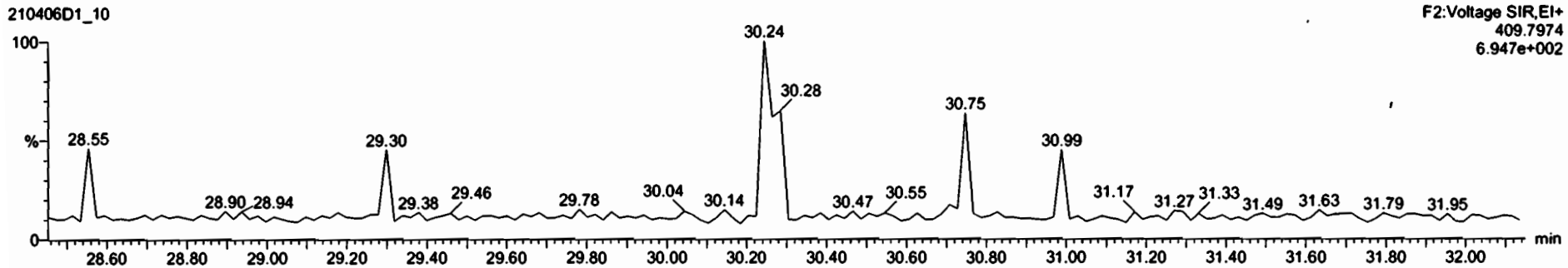
1,2,3,7,8-PeCDF

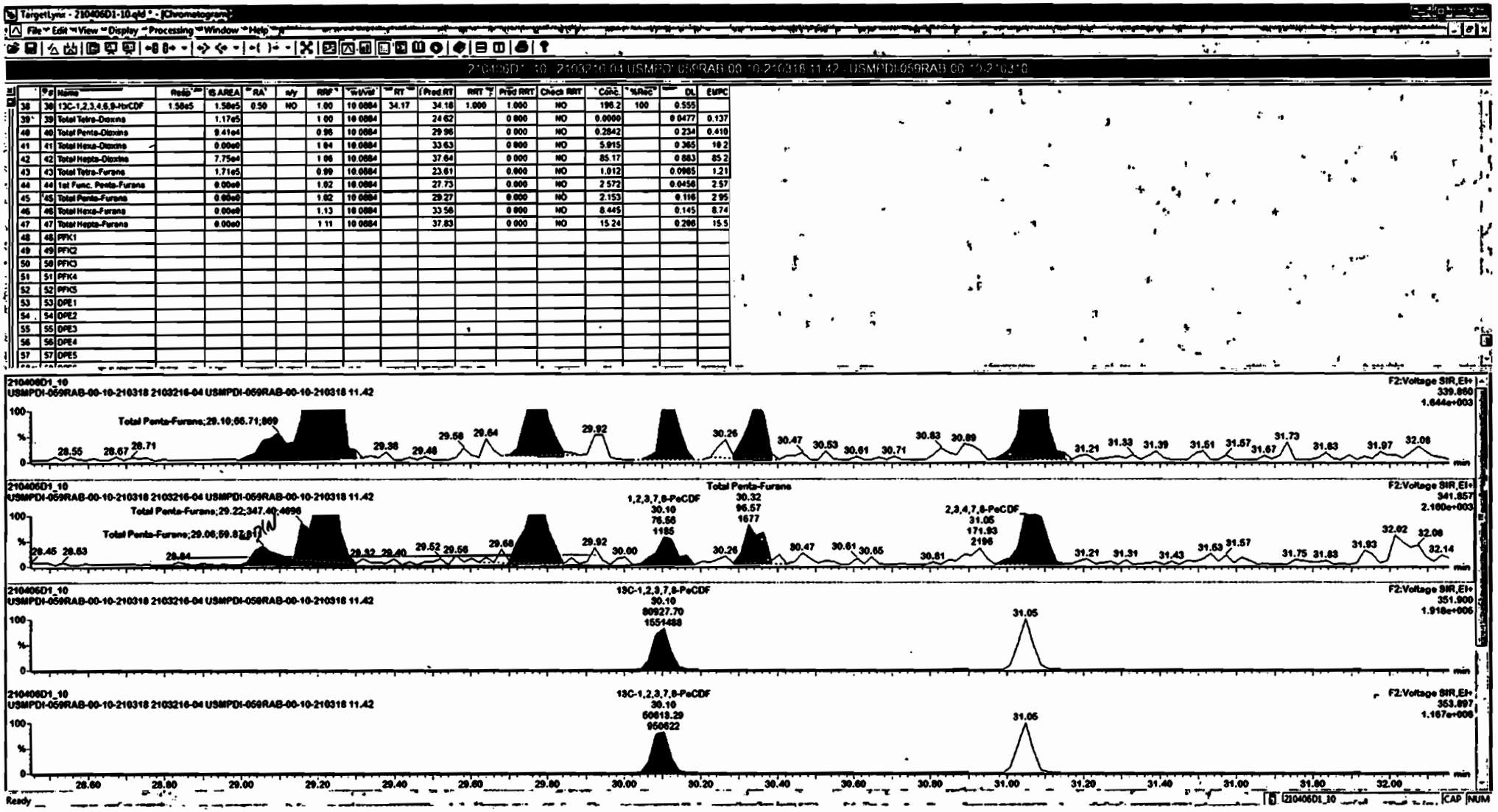


13C-1,2,3,7,8-PeCDF



DPE2





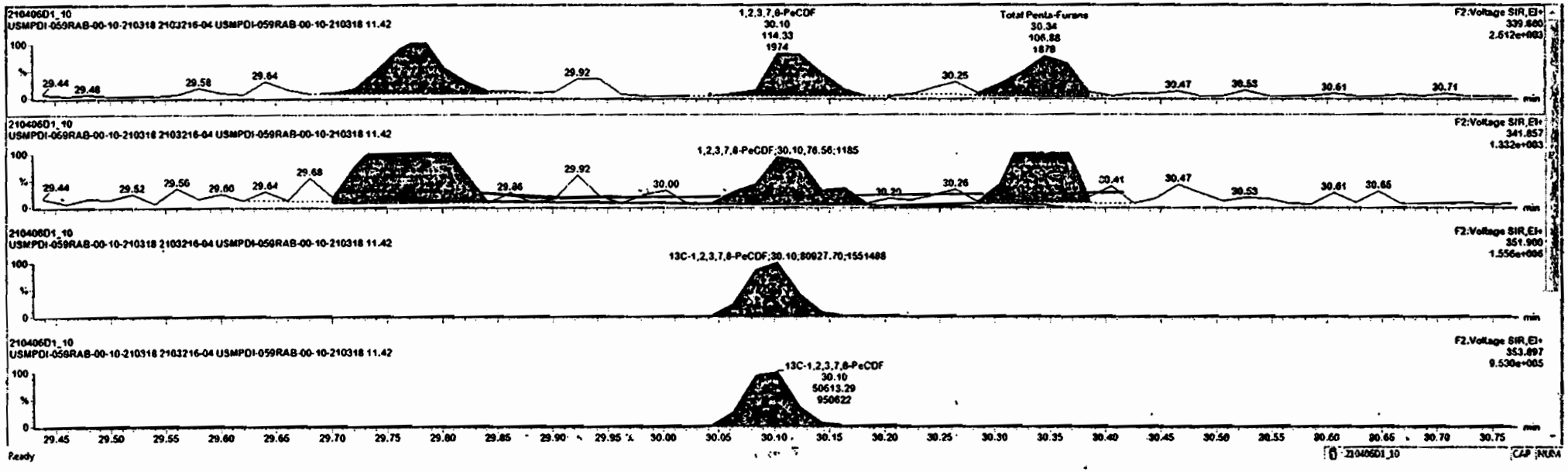
		Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
38	38	13C-1,2,3,4,6,9-HxCDF	1.58e5	1.58e5	0.50	NO	1.00	10.0884	34.17	34.18	1.000	1.000	NO	198.2	100	0.555	
39	39	Total Tetra-Dioxins		1.17e5			1.00	10.0884		24.62		0.000	NO	0.0000		0.0477	0.137
40	40	Total Penta-Dioxins		9.41e4			0.96	10.0884		29.96		0.000	NO	0.2842		0.234	0.410
41	41	Total Hexa-Dioxins		0.00e0			1.04	10.0884		33.63		0.000	NO	5.915		0.365	10.2
42	42	Total Hepta-Dioxins		7.75e4			1.06	10.0884		37.64		0.000	NO	85.17		0.683	85.2
43	43	Total Tetra-Furans		1.71e5			0.99	10.0884		23.61		0.000	NO	1.012		0.0965	1.21
44	44	1st Func. Penta-Furans		0.00e0			1.02	10.0884		27.75		0.000	NO	2.572		0.0458	2.57
45	45	Total Penta-Furans		0.00e0			1.02	10.0884		29.27		0.000	NO	2.153		0.116	2.95
46	46	Total Hexa-Furans		0.00e0			1.13	10.0884		33.56		0.000	NO	8.445		0.145	8.74
47	47	Total Hepta-Furans		0.00e0			1.11	10.0884		37.83		0.000	NO	15.24		0.298	15.5
48	48	PFK1															
49	49	PFK2															
50	50	PFK3															
51	51	PFK4															
52	52	PFK5															
53	53	OPE1															
54	54	OPE2															
55	55	OPE3															
56	56	OPE4															
57	57	OPE5															

TargetLynx - 210406D1-10.qld - [Chromatogram]

File Edit View Display Processing Window Help

210406D1_10 : 2103216-04 USMPDI-059RAB-00-10-210318 11.42 : USMPDI-059RAB-00-10-210318

#	#	Name	Area	IS AREA	RA	n/y	RRF	wt/vol	RT	Prod RT	RRT	Prod RRT	Check RRT	Conc.	%Rec	DL	EMPC
38	38	13C-1,2,3,4,6,9-HxCDF	1.58e5	1.58e5	0.50	NO	1.00	10.0884	34.17	34.18	1.000	1.000	NO	198.2	100	0.555	
39	39	Total Tetra-Dioxins		1.17e5			1.00	10.0884		24.62		0.000	NO	0.8000		0.0477	0.137
40	40	Total Penta-Dioxins		9.41e4			0.96	10.0884		29.98		0.000	NO	5.2842		0.234	0.418
41	41	Total Hexa-Dioxins		0.00e0			1.04	10.0884		33.63		0.000	NO	5.915		0.385	10.2
42	42	Total Hepta-Dioxins		7.75e4			1.06	10.0884		37.64		0.000	NO	85.17		0.883	85.2
43	43	Total Tetra-Furans		1.71e5			0.99	10.0884		23.61		0.000	NO	1.012		0.0985	1.15
44	44	1st Func. Penta-Furans		0.00e0			1.02	10.0884		27.72		0.000	NO	2.572		0.0456	2.57
45	45	Total Penta-Furans		0.00e0			1.02	10.0884		29.27		0.000	NO	2.153		0.116	2.79
46	46	Total Hexa-Furans		0.00e0			1.13	10.0884		33.56		0.000	NO	8.445		0.145	8.74
47	47	Total Hepta-Furans		0.00e0			1.11	10.0884		37.63		0.000	NO	15.24		0.208	15.5
48	48	PFK1															
49	49	PFK2															
50	50	PFK3															
51	51	PFK4															
52	52	PFK5															
53	53	CRE1															
54	54	CRE2															
55	55	CRE3															
56	56	CRE4															
57	57	CRE5															



Ready

210406D1_10

CAP NUM

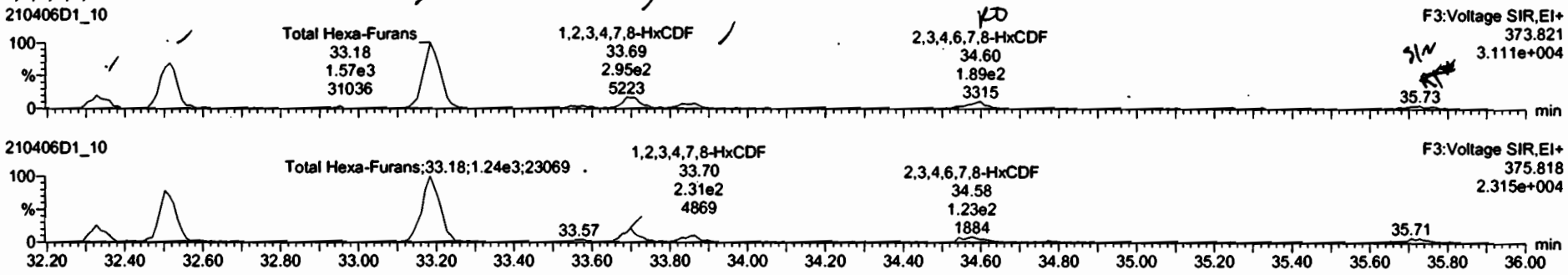
Dataset: Untitled

Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

KDF 04/21/21

Name: 210406D1_10, Date: 06-Apr-2021, Time: 15:17:32, ID: 2103216-04 USMPDI-059RAB-00-10-210318 11.42, Description: USMPDI-059RAB-00-10-210318

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



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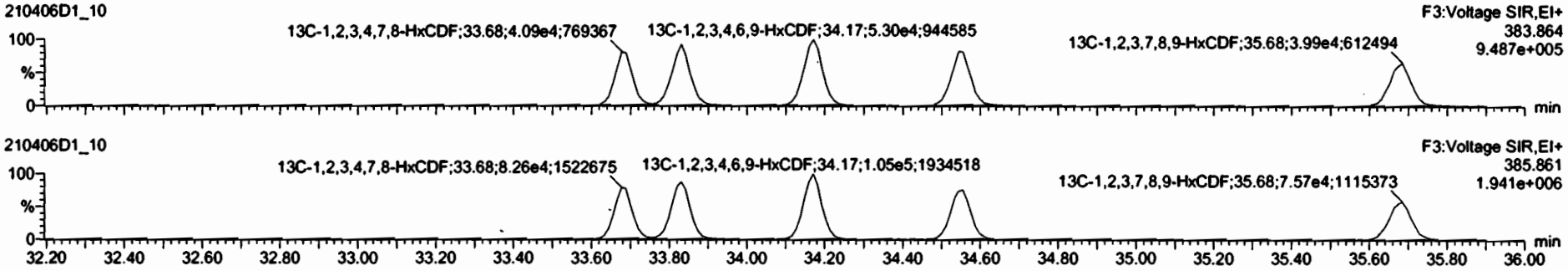
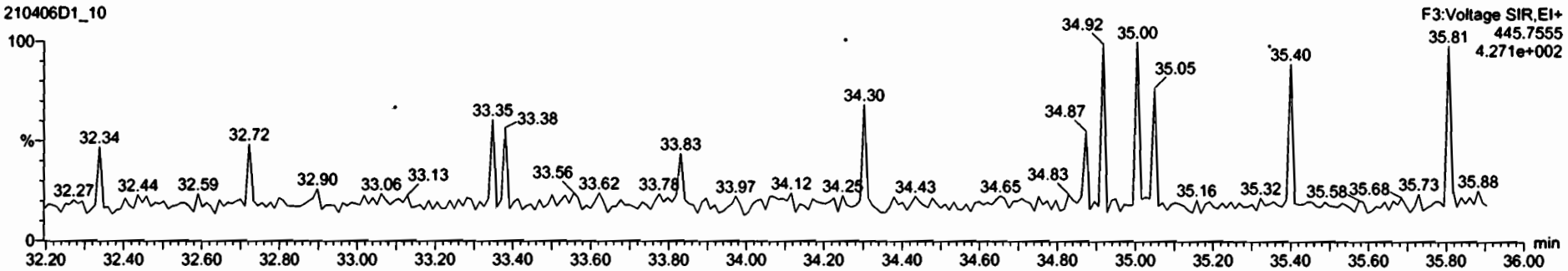


DPE3



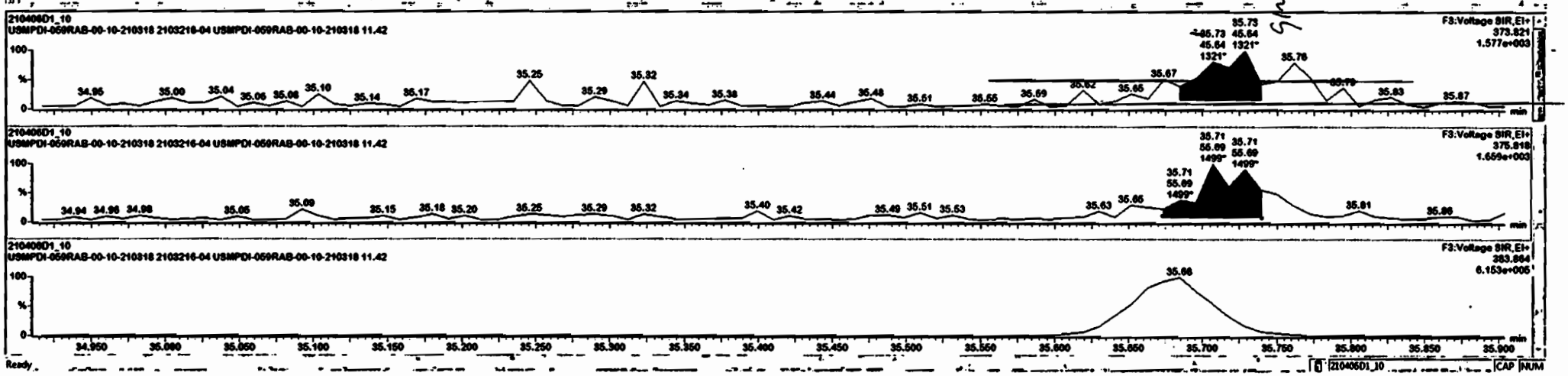
TargetLynx - 210406D1-10.qld - [Chromatogram]

File Edit View Display Processing Window Help

210406D1_10 - 2103216-04 USMPDI-059RAB-00-10-210318 11.42 - USMPDI-059RAB-00-10-210318

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	1.12e5	0.40	NO	0.79	10.088	37.23	1.089	177	89.4	0.962	
33	13C-1,2,3,4,7,8,9-HpCDF	7.47e4	0.40	NO	0.59	10.088	39.20	1.147	169	89.5	1.30	
34	13C-OCDF	1.44e5	0.91	NO	0.71	10.088	42.47	1.243	254	64.1	0.290	
35	37Cl-2,3,7,8-TCDD	4.19e4			1.11	10.088	27.10	1.025	50.1	63.2	0.0637	
36	13C-1,2,3,4-TCDD	1.50e5	0.84	NO	1.00	10.088	26.45	1.000	198	100	0.379	
37	13C-1,2,3,4-TCDF	2.68e5	0.80	NO	1.00	10.088	25.23	1.000	198	100	0.327	
38	13C-1,2,3,4,6,9-HxCDF	1.58e5	0.50	NO	1.00	10.088	34.17	1.000	198	100	0.555	
39	Total Tetra-Dioxins				1.00	10.088					0.0477	
40	Total Penta-Dioxins				0.96	10.088			0.284		0.234	0.410
41	Total Hexa-Dioxins				1.04	10.088			5.92		0.365	10.2
42	Total Hepta-Dioxins				1.06	10.088			85.2		0.883	85.2
43	Total Tetra-Furans				0.99	10.088			1.01		0.0985	1.15
44	1st Func. Penta-Furans				1.02	10.088			2.57		0.0456	2.57
45	Total Penta-Furans				1.02	10.088			2.15		0.116	2.79
46	Total Hexa-Furans				1.13	10.088			8.34		0.145	8.63
47	Total Hepta-Furans				1.11	10.088			15.3		0.208	15.3
48	PFK1											
49	PFK2											
50	PFK3											
51	PFK4											

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc
3	1,2,3,4,7,8-HxCDF	33.69	2.860e2	2.263e2	1.26	NO	0.72300	0.72275
4	Total Hexa-Furans	33.18	1.570e3	1.242e3	1.26	NO	3.8290	3.8288
5	Total Hexa-Furans	32.51	1.094e3	8.795e2	1.24	NO	2.6860	2.6863
6	Total Hexa-Furans	32.33	2.967e2	2.611e2	1.14	NO	0.75000	0.75042

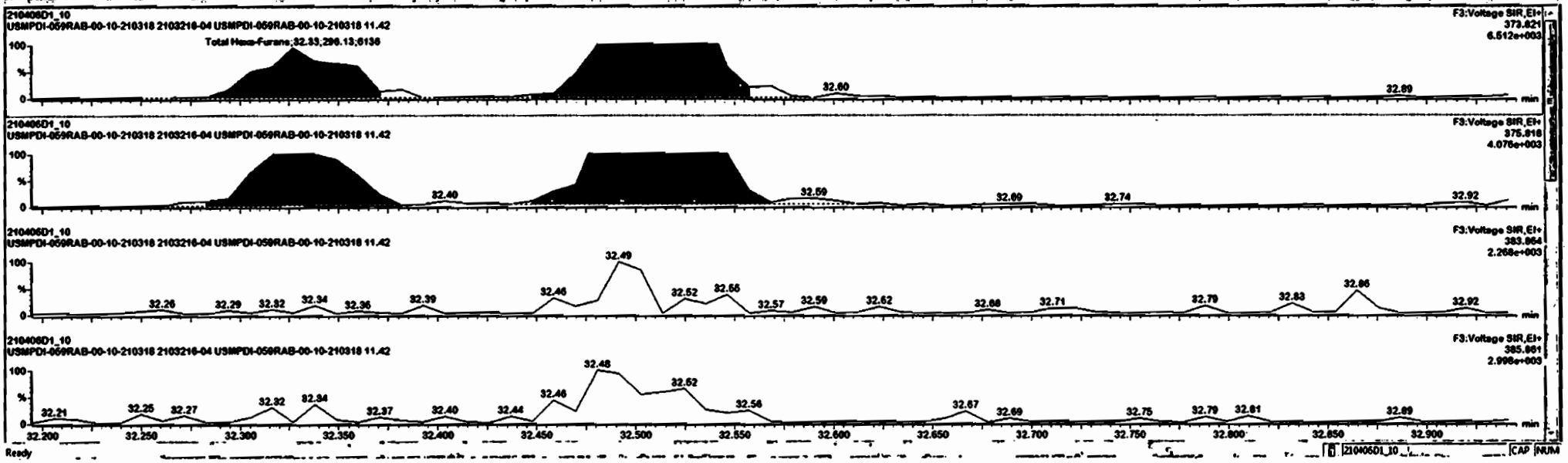


TargetLynx - 210406D1-10.qld * - Chromatogram

File Edit View Display Processing Window Help

210406D1_10 - 2103216-04 USMPDI-059RAB-00-10-210318 11.42 - USMPDI-059RAB-00-10-210318

	#	Name	Resp	IS AREA	RA	rdy	RRF	w/Val	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
39	39	Total Tetra-Dioxins		1.17e5			1.00	10.0884		24.62		0.000	NO	0.0000		0.0477	0.137
40	40	Total Penta-Dioxins		9.41e4			0.95	10.0884		29.96		0.000	NO	0.2842		0.234	0.410
41	41	Total Hexa-Dioxins		0.00e0			1.04	10.0884		33.63		0.000	NO	5.915		0.365	10.2
42	42	Total Hepta-Dioxins		7.75e4			1.06	10.0884		37.64		0.000	NO	85.17		0.883	85.2
43	43	Total Tetra-Furans		1.71e5			0.99	10.0884		23.61		0.000	NO	1.012		0.0965	1.15
44	44	1st Func. Penta-Furans		0.00e0			1.02	10.0884		27.73		0.000	NO	2.572		0.0458	2.57
45	45	Total Penta-Furans		0.00e0			1.02	10.0884		29.27		0.000	NO	2.153		0.116	2.79
46	46	Total Hexa-Furans		0.00e0			1.13	10.0884		33.58		0.000	NO	8.350		0.145	8.67
47	47	Total Hepta-Furans		0.00e0			1.11	10.0884		37.83		0.000	NO	15.29		0.208	15.6
48	48	PFK1															
49	49	PFK2															
50	50	PFK3															
51	51	PFK4															
52	52	PFK5															
53	53	DPE1															
54	54	DPE2															
55	55	DPE3															
56	56	DPE4															
57	57	DPE5															
58	58	DPE6															



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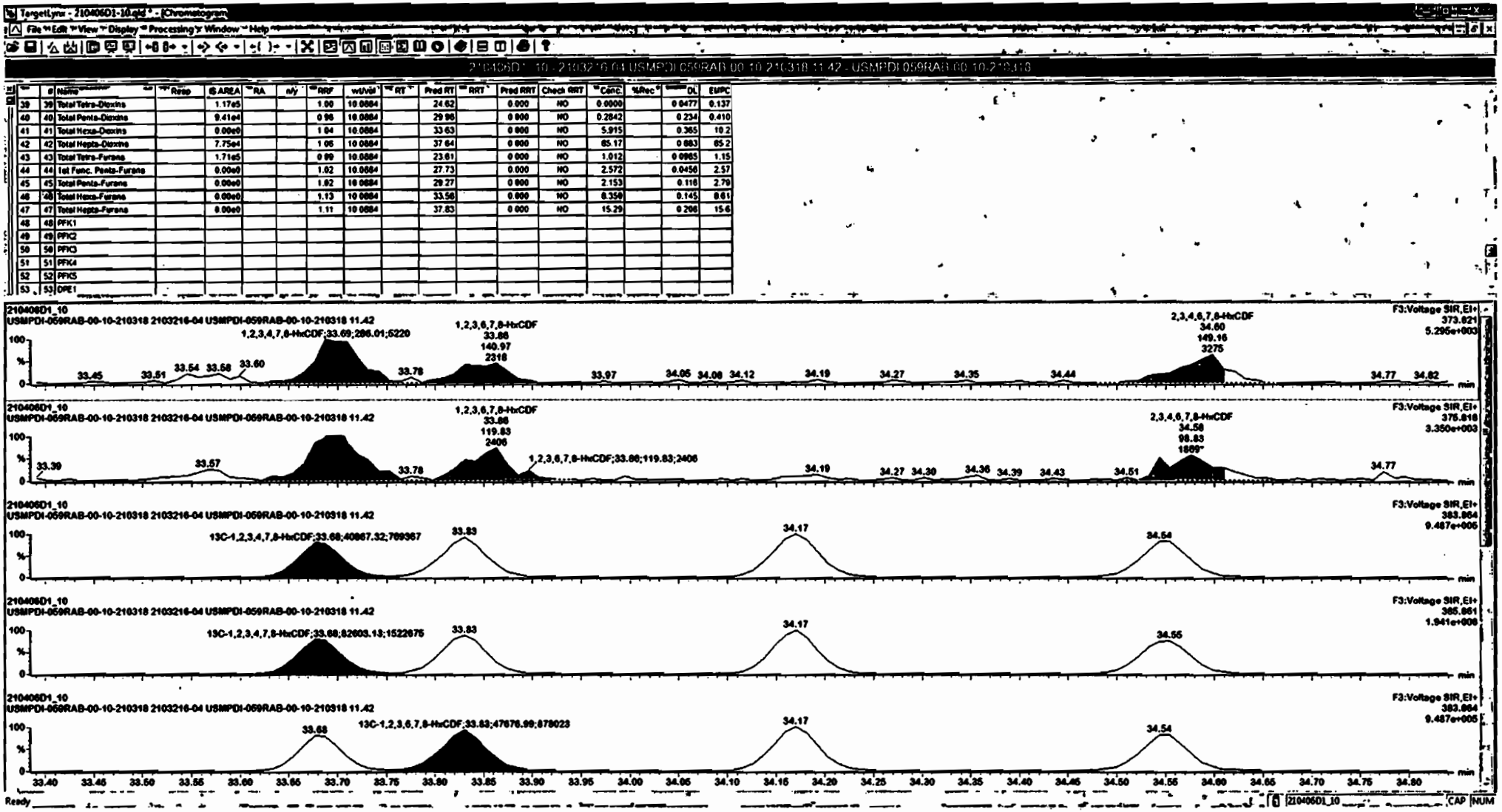


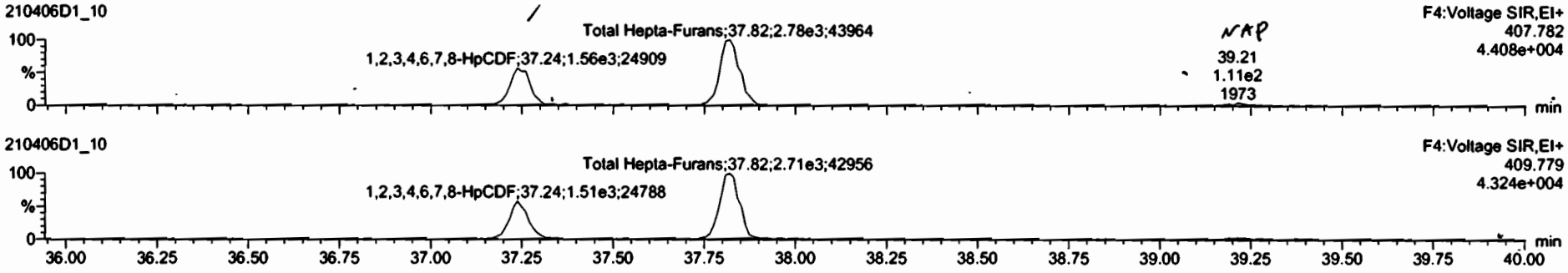
	#	Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
39	39	Total Tetra-Dioxins		1.17e5			1.00	10.0884		24.62		0.000	NO	0.0000		0.0477	0.137
40	40	Total Penta-Dioxins		9.41e4			0.96	10.0884		29.96		0.000	NO	0.2842		0.234	0.410
41	41	Total Hexa-Dioxins		0.00e0			1.04	10.0884		33.63		0.000	NO	5.915		0.365	10.2
42	42	Total Hepta-Dioxins		7.75e4			1.06	10.0884		37.64		0.000	NO	65.17		0.883	65.2
43	43	Total Tetra-Furans		1.71e5			0.99	10.0884		23.61		0.000	NO	1.012		0.0965	1.15
44	44	1st Func. Penta-Furans		0.00e0			1.02	10.0884		27.73		0.000	NO	2.572		0.0456	2.57
45	45	Total Penta-Furans		0.00e0			1.02	10.0884		29.27		0.000	NO	2.153		0.116	2.79
46	46	Total Hexa-Furans		0.00e0			1.13	10.0884		33.56		0.000	NO	8.350		0.145	8.61
47	47	Total Hepta-Furans		0.00e0			1.11	10.0884		37.83		0.000	NO	15.29		0.296	15.6
48	48	PFK1															
49	49	PFK2															
50	50	PFK3															
51	51	PFK4															
52	52	PFK5															
53	53	OPE1															

Dataset: Untitled

Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_10, Date: 06-Apr-2021, Time: 15:17:32, ID: 2103216-04 USMPDI-059RAB-00-10-210318 11.42, Description: USMPDI-059RAB-00-10-210318

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



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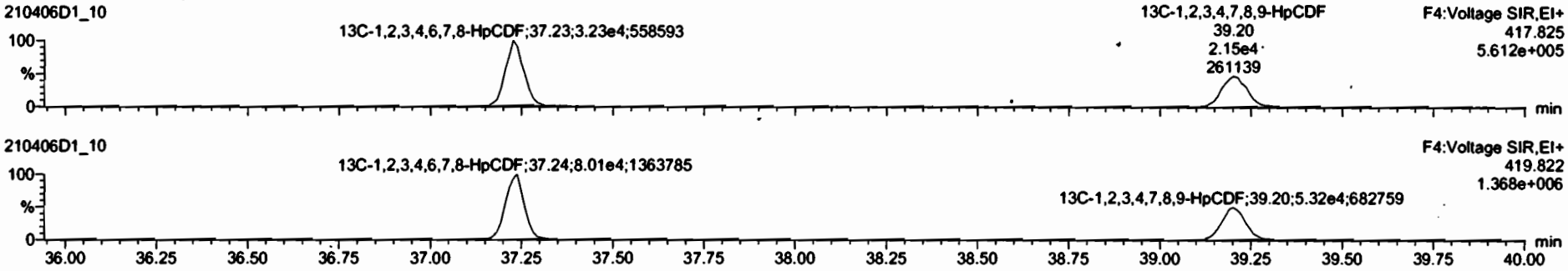
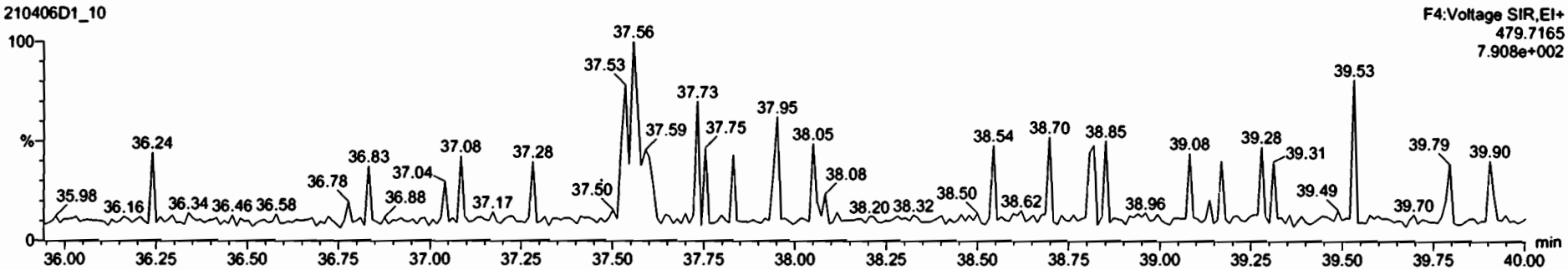


DPE4

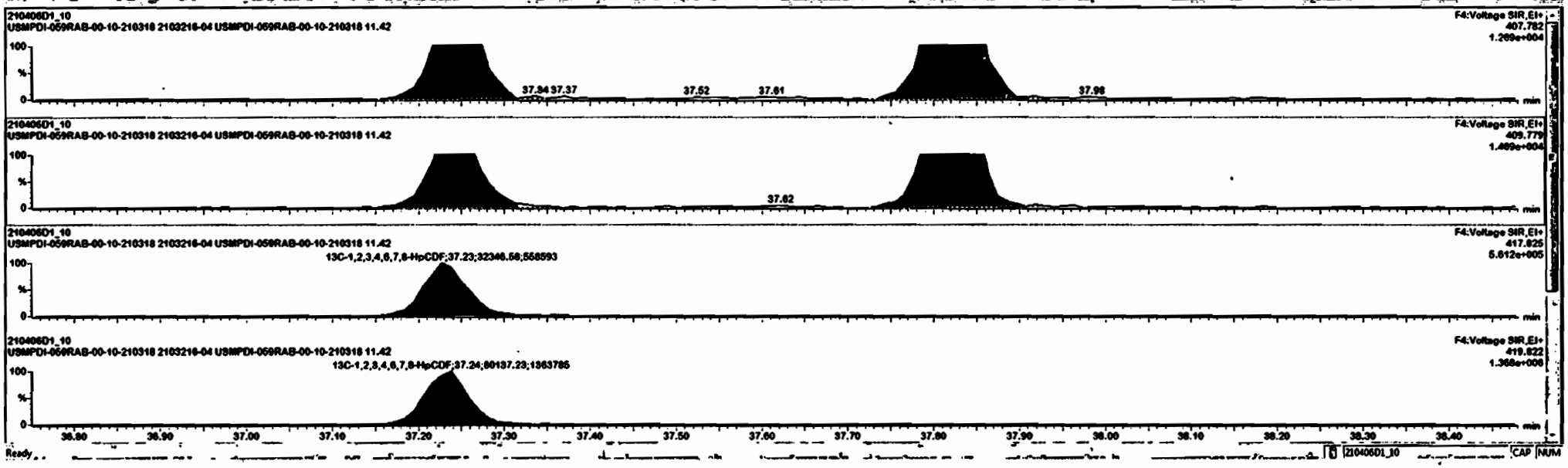


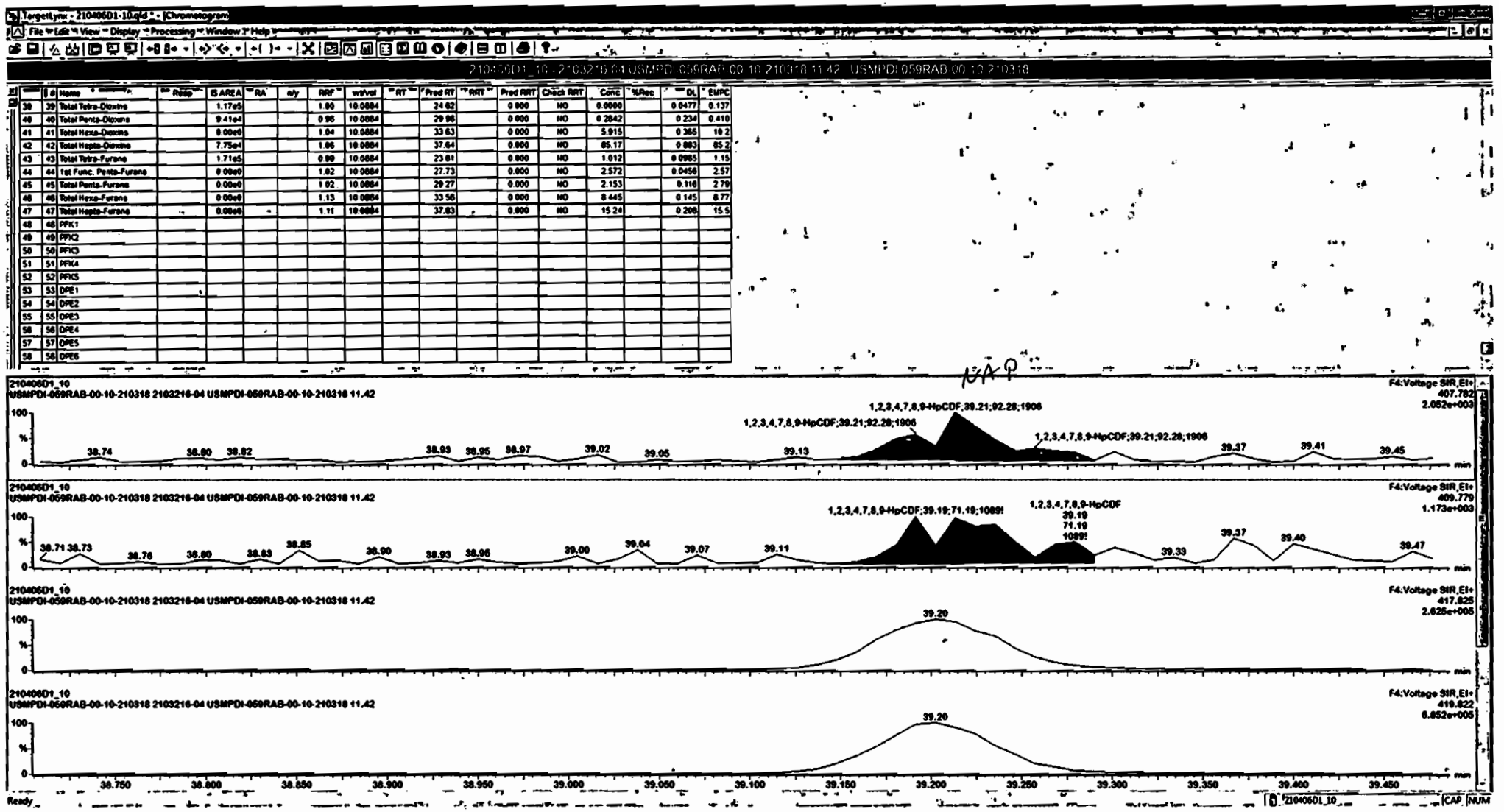
TargetLynx - 210406D1-10.qld - [Chromatogram]

File Edit View Display Processing Window Help

210406D1_10 - 2103216-04 USMPDI-059RAB-00-10-210318 11.42 - USMPDI-059RAB-00-10-210318

	#	Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
39	39	Total Tetra-Dioxins		1.17e5			1.00	10.0684		24.62		0.000	NO	0.0000		0.0477	0.137
40	40	Total Penta-Dioxins		9.41e4			0.96	10.0684		29.96		0.000	NO	0.2842		0.234	0.410
41	41	Total Hexa-Dioxins		0.00e0			1.04	10.0684		33.63		0.000	NO	5.915		0.365	10.2
42	42	Total Hepta-Dioxins		7.75e4			1.06	10.0684		37.64		0.000	NO	85.17		0.883	85.2
43	43	Total Tetra-Furans		1.71e5			0.99	10.0684		23.61		0.000	NO	1.012		0.0985	1.15
44	44	1st Func. Penta-Furans		0.00e0			1.02	10.0684		27.73		0.000	NO	2.572		0.0458	2.57
45	45	Total Penta-Furans		0.00e0			1.02	10.0684		29.27		0.000	NO	2.153		-0.116	2.79
46	46	Total Hexa-Furans		0.00e0			1.13	10.0684		33.56		0.000	NO	8.445		0.145	8.77
47	47	Total Hepta-Furans		0.00e0			1.11	10.0684		37.83		0.000	NO	15.29		0.208	15.6
48	48	PFK1															
49	49	PFK2															
50	50	PFK3															
51	51	PFK4															
52	52	PFK5															
53	53	DPE1															
54	54	DPE2															
55	55	DPE3															
56	56	DPE4															
57	57	DPE5															
58	58	DPE6															





	#	Name	Resp	S AREA	RA	e/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
39	39	Total Tetra-Dioxins		1.17e5			1.00	10.0884		24.62		0.000	NO	0.0000		0.0477	0.137
40	40	Total Penta-Dioxins		9.41e4			0.96	10.0884		29.96		0.000	NO	0.2842		0.234	0.410
41	41	Total Hexa-Dioxins		0.00e0			1.04	10.0884		33.63		0.000	NO	5.915		0.365	10.2
42	42	Total Hepta-Dioxins		7.75e4			1.06	10.0884		37.64		0.000	NO	85.17		0.883	85.2
43	43	Total Tetra-Furans		1.71e5			0.99	10.0884		23.61		0.000	NO	1.012		0.0985	1.15
44	44	1st Func. Penta-Furans		0.00e0			1.02	10.0884		27.73		0.000	NO	2.572		0.0456	2.57
45	45	Total Penta-Furans		0.00e0			1.02	10.0884		29.27		0.000	NO	2.153		0.116	2.79
46	46	Total Hexa-Furans		0.00e0			1.13	10.0884		33.56		0.000	NO	8.445		0.145	8.77
47	47	Total Hepta-Furans		0.00e0			1.11	10.0884		37.83		0.000	NO	15.24		0.200	15.5
48	48	PFK1															
49	49	PFK2															
50	50	PFK3															
51	51	PFK4															
52	52	PFK5															
53	53	DPE1															
54	54	DPE2															
55	55	DPE3															
56	56	DPE4															
57	57	DPE5															
58	58	DPE6															

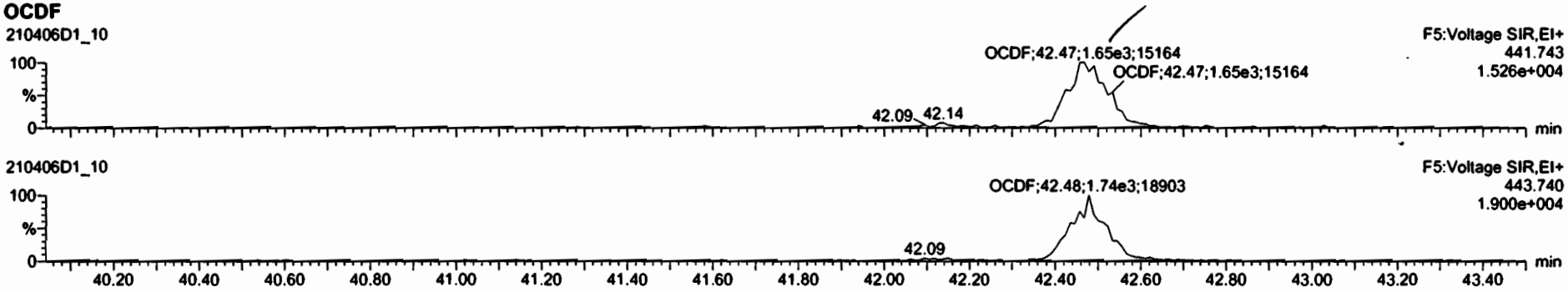
NAP

Dataset: Untitled

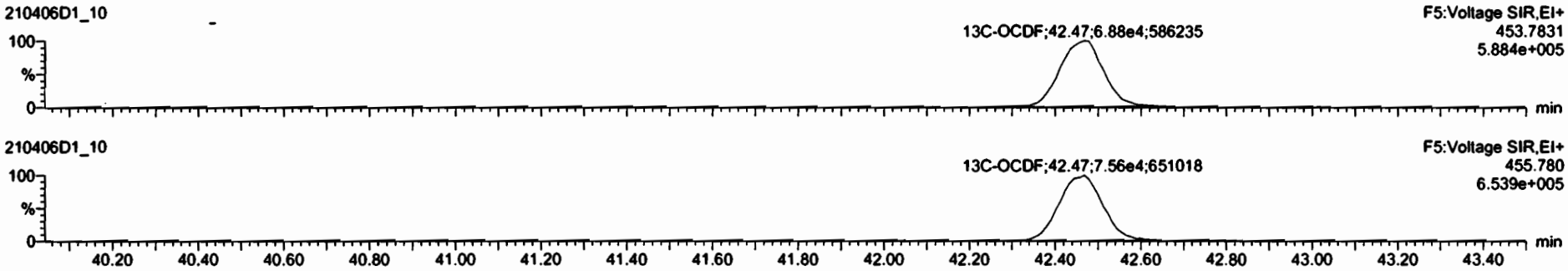
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_10, Date: 06-Apr-2021, Time: 15:17:32, ID: 2103216-04 USMPDI-059RAB-00-10-210318 11.42, Description: USMPDI-059RAB-00-10-210318

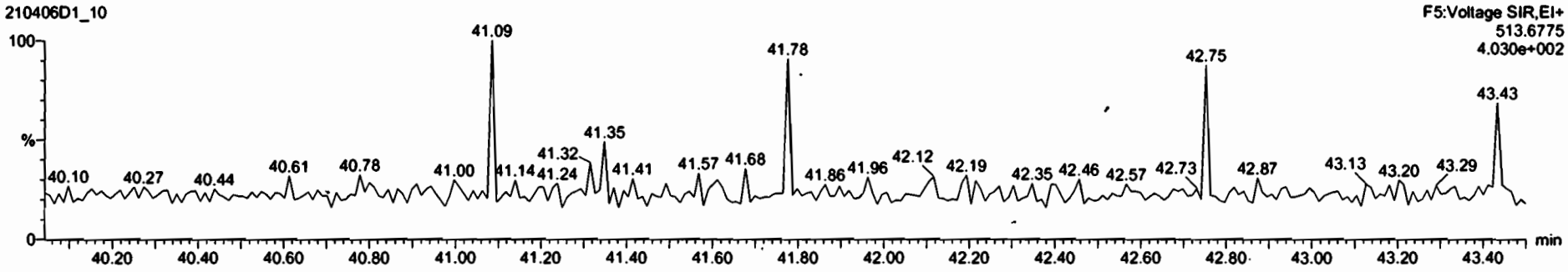
OCDF

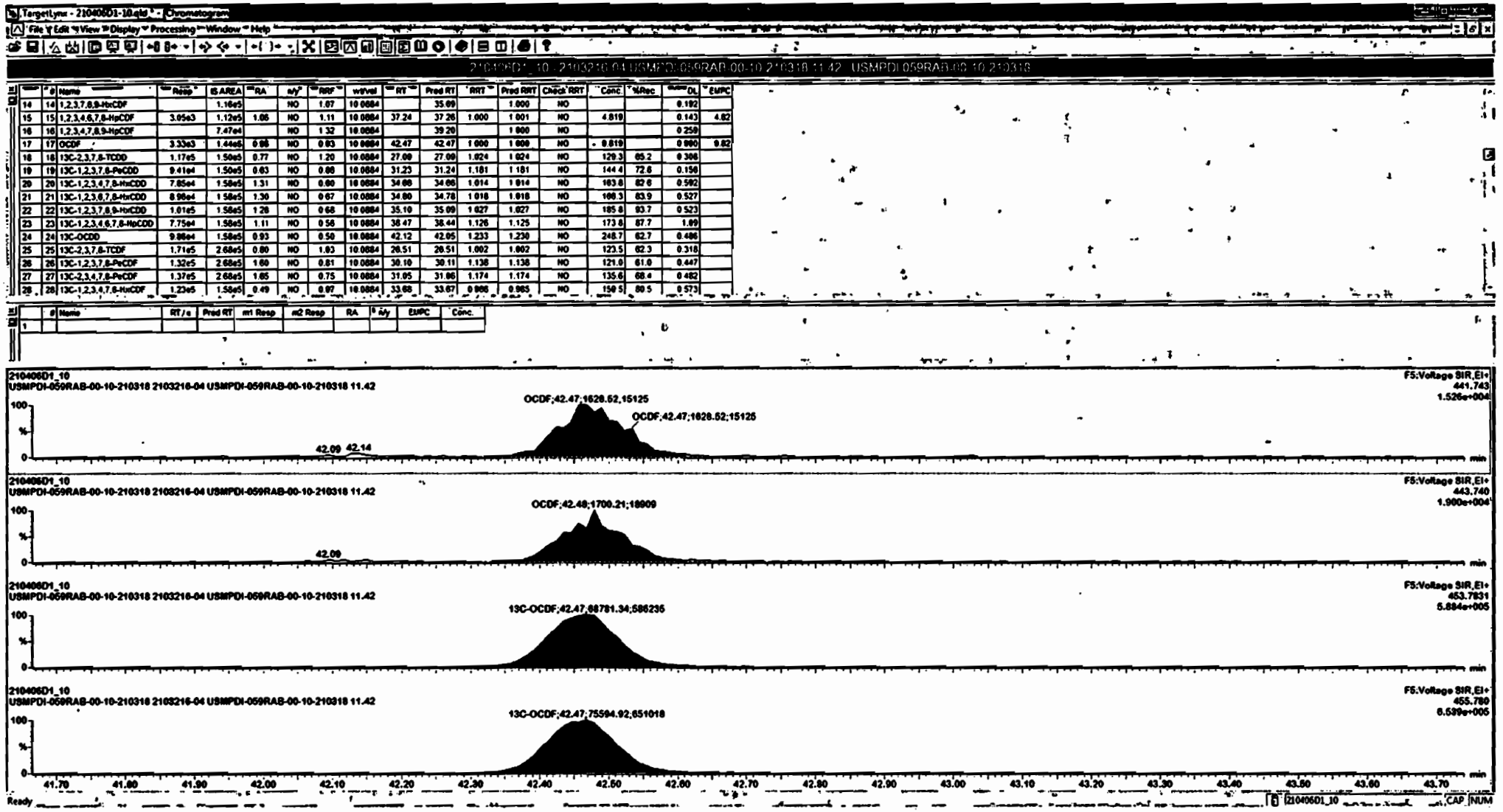


13C-OCDF



DPE5





	#	Name	Resp	IS AREA	RA	a/y	RRF	wtVal	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
14	14	1,2,3,7,8,9-HxCDF		1.16e5		NO	1.07	10.0884		35.09		1.000	NO			0.192	
15	15	1,2,3,4,6,7,8-HpCDF	3.95e3	1.12e5	1.06	NO	1.11	10.0884	37.24	37.26	1.000	1.001	NO	4.819		0.143	4.82
16	16	1,2,3,4,7,8,9-HpCDF		7.47e4		NO	1.32	10.0884		39.20		1.000	NO			0.259	
17	17	OCDF	3.33e3	1.44e5	0.66	NO	0.83	10.0884	42.47	42.47	1.000	1.000	NO	9.819		0.980	9.82
18	18	13C-2,3,7,8-TCDD	1.17e5	1.50e5	0.77	NO	1.20	10.0884	27.09	27.09	1.024	1.024	NO	129.3	65.2	0.306	
19	19	13C-1,2,3,7,8-PeCDD	9.41e4	1.50e5	0.63	NO	0.88	10.0884	31.23	31.24	1.181	1.181	NO	144.4	72.8	0.156	
20	20	13C-1,2,3,4,7,8-HxCDD	7.85e4	1.58e5	1.31	NO	0.80	10.0884	34.66	34.66	1.014	1.014	NO	163.8	82.6	0.592	
21	21	13C-1,2,3,6,7,8-HxCDD	8.96e4	1.58e5	1.30	NO	0.67	10.0884	34.80	34.78	1.018	1.018	NO	166.3	83.9	0.527	
22	22	13C-1,2,3,7,8,9-HxCDD	1.01e5	1.58e5	1.28	NO	0.68	10.0884	35.10	35.09	1.027	1.027	NO	185.8	93.7	0.523	
23	23	13C-1,2,3,4,6,7,8-HpCDD	7.75e4	1.58e5	1.11	NO	0.58	10.0884	38.47	38.44	1.126	1.125	NO	173.8	87.7	1.09	
24	24	13C-OCDD	9.86e4	1.58e5	0.93	NO	0.50	10.0884	42.12	42.05	1.233	1.230	NO	248.7	62.7	0.486	
25	25	13C-2,3,7,8-TCDF	1.71e5	2.68e5	0.80	NO	1.03	10.0884	26.51	26.51	1.002	1.002	NO	123.5	62.3	0.318	
26	26	13C-1,2,3,7,8-PeCDF	1.32e5	2.68e5	1.60	NO	0.81	10.0884	30.10	30.11	1.138	1.138	NO	121.0	61.0	0.447	
27	27	13C-2,3,4,7,8-PeCDF	1.37e5	2.68e5	1.65	NO	0.75	10.0884	31.05	31.06	1.174	1.174	NO	135.6	68.4	0.482	
28	28	13C-1,2,3,4,7,8-HxCDF	1.23e5	1.58e5	0.49	NO	0.97	10.0884	33.68	33.67	0.966	0.965	NO	150.5	80.5	0.573	

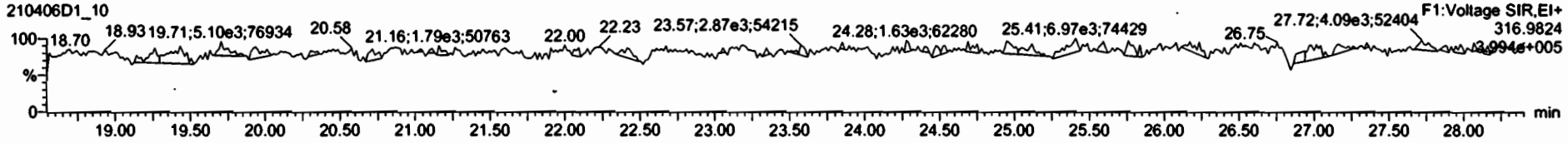
	#	Name	RT/s	Pred RT	m1 Resp	m2 Resp	RA	a/y	EMPC	Conc.
1										

Dataset: Untitled

Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_10, Date: 06-Apr-2021, Time: 15:17:32, ID: 2103216-04 USMPDI-059RAB-00-10-210318 11.42, Description: USMPDI-059RAB-00-10-210318

PFK1



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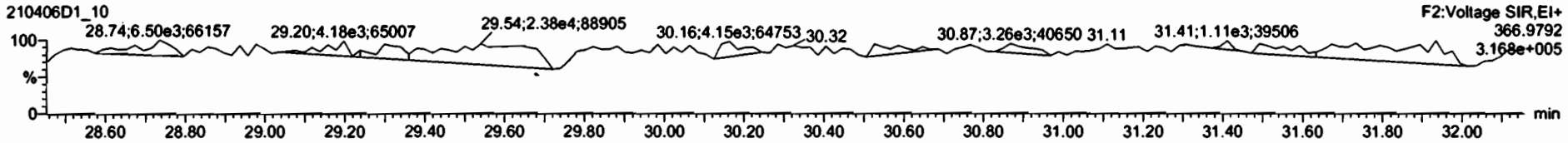

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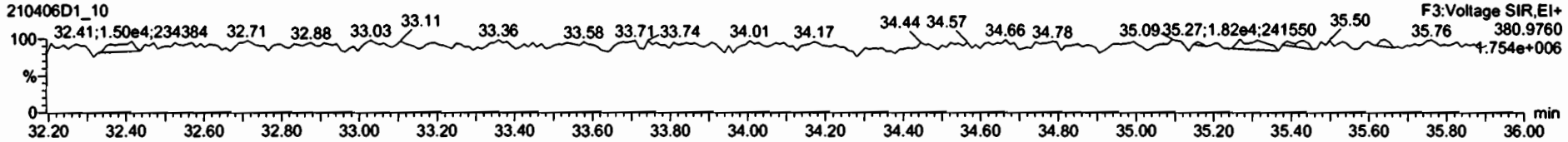

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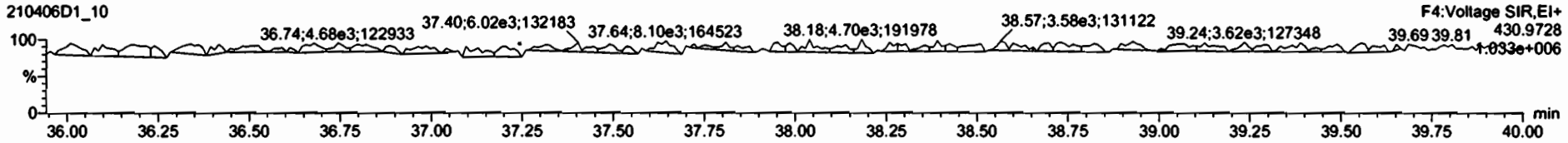

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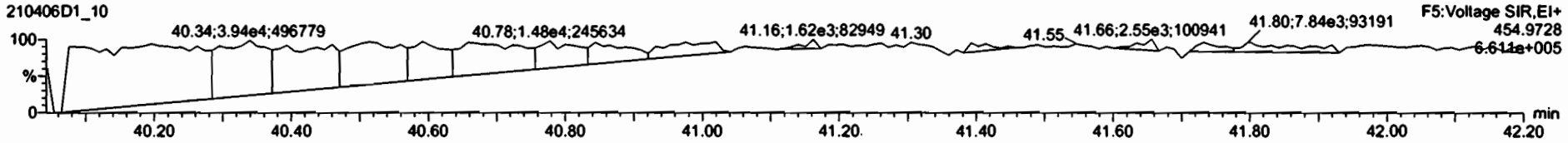

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-11.qld

Last Altered: Wednesday, April 07, 2021 3:34:55 PM Pacific Daylight Time
Printed: Wednesday, April 07, 2021 3:35:38 PM Pacific Daylight Time

1k 4.7.2021 CT 04/21/2021

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_4-6-21.mdb 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210406D1_11, Date: 06-Apr-2021, Time: 16:04:12, ID: 2103216-05 USMPDI-059RAB-10-20-210318 12.54, Description: USMPDI-059RAB-10-20-210318, Task: ST210406D1-2

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.32e2	0.22	YES	0.998	10.156	27.11	1.001	0.13764		0.0621	0.0576
2	1,2,3,7,8-PeCDD	1.04e2	0.94	YES	0.961	10.156	31.23	1.001	0.12905		0.129	0.109
3	1,2,3,4,7,8-HxCDD			NO	1.18	10.156					0.279	
4	1,2,3,6,7,8-HxCDD	1.86e2	1.47	YES	1.04	10.156	34.81	1.000	0.23624		0.278	0.214
5	1,2,3,7,8,9-HxCDD	2.58e2	1.01	YES	1.06	10.156	35.11	1.000	0.31225		0.288	0.284
6	1,2,3,4,6,7,8-HpCDD	3.78e3	0.93	NO	1.06	10.156	38.50	1.000	5.9822		0.322	5.98
7	OCDD	2.52e4	0.90	NO	0.977	10.156	42.10	1.000	70.911		0.841	70.9
8	2,3,7,8-TCDF	3.39e2	0.61	YES	0.989	10.156	26.52	1.001	0.23249		0.0713	0.203
9	1,2,3,7,8-PeCDF	3.40e2	1.19	YES	1.02	10.156	30.12	1.001	0.25979		0.0653	0.232
10	2,3,4,7,8-PeCDF	8.64e2	1.72	NO	1.17	10.156	31.07	1.001	0.60771		0.0602	0.608
11	1,2,3,4,7,8-HxCDF	6.03e2	1.22	NO	1.14	10.156	33.70	1.000	0.49961		0.120	0.500
12	1,2,3,6,7,8-HxCDF	3.72e2	1.49	YES	1.04	10.156	33.86	1.001	0.29227		0.118	0.263
13	2,3,4,6,7,8-HxCDF	5.19e2	1.02	YES	1.13	10.156	34.60	1.001	0.42296		0.137	0.386
14	1,2,3,7,8,9-HxCDF	8.35e1	1.39	NO	1.07	10.156	35.72	1.001	0.080143		0.167	0.0801
15	1,2,3,4,6,7,8-HpCDF	1.79e3	0.99	NO	1.11	10.156	37.26	1.000	1.8567		0.0895	1.86
16	1,2,3,4,7,8,9-HpCDF	1.44e2	0.87	YES	1.32	10.156	39.20	0.999	0.18261		0.141	0.167
17	OCDF	1.53e3	0.83	NO	0.931	10.156	42.47	1.000	3.0273		0.398	3.03
18	13C-2,3,7,8-TCDD	1.90e5	0.88	NO	1.20	10.156	27.07	1.024	170.10	86.4	0.290	
19	13C-1,2,3,7,8-PeCDD	1.65e5	0.64	NO	0.864	10.156	31.21	1.181	206.14	105	0.195	
20	13C-1,2,3,4,7,8-HxCDD	1.31e5	1.29	NO	0.600	10.156	34.69	1.015	214.03	109	0.608	
21	13C-1,2,3,6,7,8-HxCDD	1.49e5	1.28	NO	0.674	10.156	34.81	1.018	216.34	110	0.541	
22	13C-1,2,3,7,8,9-HxCDD	1.54e5	1.26	NO	0.679	10.156	35.11	1.027	221.35	112	0.537	
23	13C-1,2,3,4,6,7,8-HpCDD	1.17e5	1.06	NO	0.558	10.156	38.49	1.126	205.37	104	1.04	
24	13C-OCDD	1.44e5	0.90	NO	0.496	10.156	42.10	1.232	282.65	71.8	0.513	
25	13C-2,3,7,8-TCDF	2.90e5	0.82	NO	1.03	10.156	26.51	1.003	177.54	90.2	0.244	
26	13C-1,2,3,7,8-PeCDF	2.52e5	1.61	NO	0.805	10.156	30.10	1.139	196.43	99.7	0.385	
27	13C-2,3,4,7,8-PeCDF	2.38e5	1.64	NO	0.748	10.156	31.05	1.175	199.96	102	0.415	
28	13C-1,2,3,4,7,8-HxCDF	2.09e5	0.50	NO	0.968	10.156	33.70	0.986	210.79	107	0.726	
29	13C-1,2,3,6,7,8-HxCDF	2.40e5	0.51	NO	1.08	10.156	33.84	0.990	216.47	110	0.648	
30	13C-2,3,4,6,7,8-HxCDF	2.14e5	0.53	NO	0.960	10.156	34.56	1.011	217.91	111	0.732	

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-11.qld

Last Altered: Wednesday, April 07, 2021 3:34:55 PM Pacific Daylight Time
Printed: Wednesday, April 07, 2021 3:35:38 PM Pacific Daylight Time

Name: 210406D1_11, Date: 06-Apr-2021, Time: 16:04:12, ID: 2103216-05 USMPDI-059RAB-10-20-210318 12.54, Description: USMPDI-059RAB-10-20-210318, Task: ST210406D1-2

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	1.91e5	0.51	NO	0.869	10.156	35.69	1.044	214.50	109	0.809	
32	13C-1,2,3,4,6,7,8-HpCDF	1.71e5	0.44	NO	0.794	10.156	37.25	1.090	210.03	107	0.851	
33	13C-1,2,3,4,7,8,9-HpCDF	1.18e5	0.43	NO	0.586	10.156	39.22	1.148	197.36	100	1.15	
34	13C-OCDF	2.14e5	0.90	NO	0.711	10.156	42.46	1.242	294.55	74.8	0.434	
35	37Cl-2,3,7,8-TCDD	7.61e4			1.11	10.156	27.10	1.025	74.063	94.0	0.0678	
36	13C-1,2,3,4-TCDD	1.83e5	0.74	NO	1.00	10.156	26.43	1.000	196.93	100	0.349	
37	13C-1,2,3,4-TCDF	3.14e5	0.84	NO	1.00	10.156	25.23	1.000	196.93	100	0.250	
38	13C-1,2,3,4,6,9-HxCDF	2.02e5	0.50	NO	1.00	10.156	34.18	1.000	196.93	100	0.703	
39	Total Tetra-Dioxins				0.998	10.156			0.00000		0.0367	0.738
40	Total Penta-Dioxins				0.961	10.156			0.72606		0.129	1.15
41	Total Hexa-Dioxins				1.04	10.156			1.7114		0.295	2.21
42	Total Hepta-Dioxins				1.06	10.156			13.645		0.322	13.6
43	Total Tetra-Furans				0.989	10.156			2.2449		0.0713	3.79
44	1st Func. Penta-Furans				1.02	10.156			2.6804		0.0296	2.68
45	Total Penta-Furans				1.02	10.156			2.5399		0.0672	3.61
46	Total Hexa-Furans				1.13	10.156			4.0992		0.130	5.75
47	Total Hepta-Furans				1.11	10.156			5.0347		0.121	5.20

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-11.qld

Last Altered: Wednesday, April 07, 2021 3:34:55 PM Pacific Daylight Time
Printed: Wednesday, April 07, 2021 3:35:38 PM Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_4-6-21.mdb 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210406D1_11, Date: 06-Apr-2021, Time: 16:04:12, ID: 2103216-05 USMPDI-059RAB-10-20-210318 12.54, Description: USMPDI-059RAB-10-20-210318, Task: ST210406D1-2

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Tetra-Dioxins	24.03	9.880e2	1.859e3	7.883e1	1.238e2	0.64	YES	0.000e0	0.00000	0.18825	0.0621
2	Total Tetra-Dioxins	24.28	1.237e3	1.190e3	6.974e1	6.571e1	1.06	YES	0.000e0	0.00000	0.12083	0.0621
3	Total Tetra-Dioxins	24.67	5.800e2	4.790e2	2.218e1	2.368e1	0.94	YES	0.000e0	0.00000	0.043539	0.0621
4	Total Tetra-Dioxins	25.35	7.190e2	1.798e3	5.050e1	9.738e1	0.52	YES	0.000e0	0.00000	0.12060	0.0621
5	Total Tetra-Dioxins	25.55	1.197e3	7.900e2	6.563e1	4.985e1	1.32	YES	0.000e0	0.00000	0.091669	0.0621
6	Total Tetra-Dioxins	25.71	5.590e2	6.110e2	2.626e1	4.058e1	0.65	YES	0.000e0	0.00000	0.062719	0.0621
7	Total Tetra-Dioxins	26.19	8.450e2	6.630e2	2.753e1	2.877e1	0.96	YES	0.000e0	0.00000	0.052902	0.0621
8	2,3,7,8-TCDD	27.11	6.100e2	2.314e3	2.414e1	1.084e2	0.22	YES	1.325e2	0.00000	0.057637	0.0621

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Penta-Dioxins	29.20	1.897e3	3.395e3	1.214e2	1.836e2	0.66	NO	3.050e2	0.37786	0.37786	0.129
2	Total Penta-Dioxins	29.64	8.320e2	1.423e3	4.445e1	6.474e1	0.69	NO	1.092e2	0.13525	0.13525	0.129
3	Total Penta-Dioxins	29.72	7.870e2	3.269e3	4.087e1	2.507e2	0.16	YES	0.000e0	0.00000	0.13098	0.129
4	Total Penta-Dioxins	30.26	8.910e2	1.182e3	6.827e1	1.036e2	0.66	NO	1.719e2	0.21295	0.21295	0.129
5	Total Penta-Dioxins	30.53	6.900e2	1.020e3	5.422e1	7.020e1	0.77	YES	0.000e0	0.00000	0.14175	0.129
6	Total Penta-Dioxins	30.81	4.480e2	7.640e2	2.329e1	2.355e1	0.99	YES	0.000e0	0.00000	0.047557	0.129
7	1,2,3,7,8-PeCDD	31.23	9.670e2	1.099e3	5.042e1	5.376e1	0.94	YES	1.042e2	0.00000	0.10855	0.129

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hexa-Dioxins	32.91	1.093e4	9.269e3	5.141e2	4.017e2	1.28	NO	9.158e2	1.1969	1.1969	0.295
2	Total Hexa-Dioxins	33.54	2.725e3	2.498e3	1.613e2	1.261e2	1.28	NO	2.874e2	0.37561	0.37561	0.295
3	1,2,3,6,7,8-HxCDD	34.81	2.063e3	1.860e3	1.108e2	7.549e1	1.47	YES	1.863e2	0.00000	0.21442	0.278
4	Total Hexa-Dioxins	35.00	1.072e3	1.013e3	5.547e1	5.076e1	1.09	NO	1.062e2	0.13883	0.13883	0.295
5	1,2,3,7,8,9-HxCDD	35.11	2.187e3	2.624e3	1.300e2	1.283e2	1.01	YES	2.583e2	0.00000	0.28387	0.288

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-11.qld

Last Altered: Wednesday, April 07, 2021 3:34:55 PM Pacific Daylight Time
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Name: 210406D1_11, Date: 06-Apr-2021, Time: 16:04:12, ID: 2103216-05 USMPDI-059RAB-10-20-210318 12.54, Description: USMPDI-059RAB-10-20-210318, Task: ST210406D1-2

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hepta-Dioxins	37.57	3.644e4	3.102e4	2.567e3	2.273e3	1.13	NO	4.840e3	7.6628	7.6628	0.322
2	1,2,3,4,6,7,8-HpCDD	38.50	2.223e4	2.641e4	1.825e3	1.954e3	0.93	NO	3.778e3	5.9822	5.9822	0.322

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Tetra-Furans	22.17	8.760e2	1.326e3	6.443e1	9.058e1	0.71	NO	1.550e2	0.10632	0.10632	0.0713
2	Total Tetra-Furans	22.70	1.205e3	1.244e3	7.848e1	1.094e2	0.72	NO	1.879e2	0.12885	0.12885	0.0713
3	Total Tetra-Furans	23.36	6.722e3	7.424e3	5.044e2	5.310e2	0.95	YES	0.000e0	0.00000	0.64462	0.0713
4	Total Tetra-Furans	23.71	1.517e3	2.058e3	1.419e2	2.190e2	0.65	YES	0.000e0	0.00000	0.22380	0.0713
5	Total Tetra-Furans	24.05	1.921e3	1.981e3	1.558e2	1.948e2	0.80	NO	3.506e2	0.24049	0.24049	0.0713
6	Total Tetra-Furans	24.40	3.772e3	5.493e3	1.995e2	2.521e2	0.79	NO	4.516e2	0.30975	0.30975	0.0713
7	Total Tetra-Furans	25.10	1.994e3	2.877e3	1.698e2	2.087e2	0.81	NO	3.785e2	0.25962	0.25962	0.0713
8	Total Tetra-Furans	25.33	4.168e3	6.285e3	4.391e2	4.994e2	0.88	NO	9.385e2	0.64366	0.64366	0.0713
9	Total Tetra-Furans	25.68	2.072e3	2.700e3	1.129e2	1.686e2	0.67	NO	2.815e2	0.19311	0.19311	0.0713
10	Total Tetra-Furans	25.96	1.817e3	1.614e3	8.051e1	8.235e1	0.98	YES	0.000e0	0.00000	0.099974	0.0713
11	Total Tetra-Furans	26.04	1.271e3	1.446e3	6.225e1	8.720e1	0.71	NO	1.494e2	0.10250	0.10250	0.0713
12	Total Tetra-Furans	26.28	1.863e3	1.989e3	9.823e1	1.244e2	0.79	NO	0.000e0	0.00000	0.15269	0.0713
13	Total Tetra-Furans	26.40	2.195e3	1.686e3	9.296e1	8.502e1	1.09	YES	0.000e0	0.00000	0.10321	0.0713
14	2,3,7,8-TCDF	26.52	2.168e3	3.205e3	1.289e2	2.101e2	0.61	YES	3.390e2	0.00000	0.20323	0.0713
15	Total Tetra-Furans	26.77	2.102e3	2.896e3	1.655e2	2.145e2	0.77	NO	3.800e2	0.26063	0.26063	0.0713
16	Total Tetra-Furans	27.61	7.480e2	8.170e2	2.747e1	4.862e1	0.56	YES	0.000e0	0.00000	0.043303	0.0713
17	Total Tetra-Furans	27.79	9.420e2	1.348e3	4.832e1	7.525e1	0.64	YES	0.000e0	0.00000	0.076188	0.0713

Penta-Furans function 1

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	1st Func. Penta-Furans	27.78	3.853e4	2.245e4	2.091e3	1.321e3	1.58	NO	3.412e3	2.6804	2.6804	0.0296

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-11.qld

Last Altered: Wednesday, April 07, 2021 3:34:55 PM Pacific Daylight Time
Printed: Wednesday, April 07, 2021 3:35:38 PM Pacific Daylight Time

Name: 210406D1_11, Date: 06-Apr-2021, Time: 16:04:12, ID: 2103216-05 USMPDI-059RAB-10-20-210318 12.54, Description: USMPDI-059RAB-10-20-210318, Task: ST210406D1-2

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Penta-Furans	29.08	2.915e3	2.927e3	1.829e2	2.115e2	0.86	YES	0.000e0	0.00000	0.23640	0.0672
2	Total Penta-Furans	29.22	1.508e4	7.524e3	1.046e3	6.464e2	1.62	NO	1.693e3	1.3297	1.3297	0.0672
3	Total Penta-Furans	29.66	1.031e3	1.403e3	5.572e1	4.889e1	1.14	YES	0.000e0	0.00000	0.072022	0.0672
4	Total Penta-Furans	29.78	6.650e3	4.630e3	4.097e2	3.169e2	1.29	YES	0.000e0	0.00000	0.52955	0.0672
5	1,2,3,7,8-PeCDF	30.12	3.570e3	2.135e3	1.848e2	1.551e2	1.19	YES	3.399e2	0.00000	0.23231	0.0653
6	Total Penta-Furans	30.34	5.158e3	2.632e3	3.011e2	2.028e2	1.48	NO	5.040e2	0.39594	0.39594	0.0672
7	Total Penta-Furans	30.91	2.884e3	1.592e3	1.607e2	1.022e2	1.57	NO	2.629e2	0.20656	0.20656	0.0672
8	2,3,4,7,8-PeCDF	31.07	9.361e3	7.028e3	5.466e2	3.170e2	1.72	NO	8.636e2	0.60771	0.60771	0.0602

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hexa-Furans	32.35	6.420e3	4.476e3	3.170e2	2.208e2	1.44	YES	0.000e0	0.00000	0.40421	0.130
2	Total Hexa-Furans	32.52	2.140e4	1.702e4	1.168e3	9.163e2	1.27	NO	2.084e3	1.7030	1.7030	0.130
3	Total Hexa-Furans	33.19	2.652e4	1.810e4	1.232e3	9.911e2	1.24	NO	2.223e3	1.8165	1.8165	0.130
4	Total Hexa-Furans	33.56	1.957e3	2.090e3	8.501e1	8.908e1	0.95	YES	0.000e0	0.00000	0.12550	0.130
5	1,2,3,4,7,8-HxCDF	33.70	5.338e3	5.056e3	3.317e2	2.716e2	1.22	NO	6.033e2	0.49961	0.49961	0.120
6	1,2,3,6,7,8-HxCDF	33.86	3.863e3	3.214e3	2.226e2	1.492e2	1.49	YES	3.718e2	0.00000	0.26275	0.118
7	2,3,4,6,7,8-HxCDF	34.60	4.156e3	4.414e3	2.623e2	2.567e2	1.02	YES	5.190e2	0.00000	0.38614	0.137
8	Total Hexa-Furans	34.60	4.158e3	4.414e3	2.609e2	2.567e2	1.02	YES	0.000e0	0.00000	0.38522	0.130
9	1,2,3,7,8,9-HxCDF	35.72	1.403e3	1.155e3	4.850e1	3.499e1	1.39	NO	8.349e1	0.080143	0.080143	0.167
10	Total Hexa-Furans	35.76	1.718e3	1.077e3	7.603e1	4.506e1	1.69	YES	0.000e0	0.00000	0.082481	0.130

Hepta-Furans

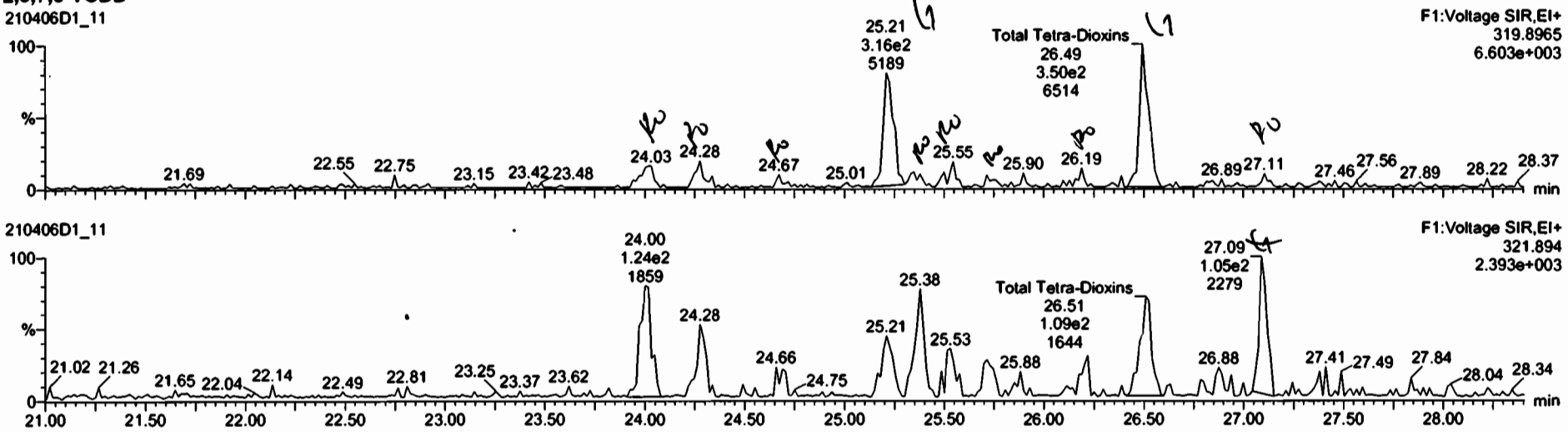
	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	37.26	1.450e4	1.534e4	8.902e2	9.036e2	0.99	NO	1.794e3	1.8567	1.8567	0.0895
2	Total Hepta-Furans	37.84	2.071e4	2.095e4	1.351e3	1.249e3	1.08	NO	2.600e3	3.1781	3.1781	0.121
3	1,2,3,4,7,8,9-HpCDF	39.20	8.760e2	1.439e3	6.733e1	7.707e1	0.87	YES	1.444e2	0.00000	0.16702	0.141

Dataset: Untitled

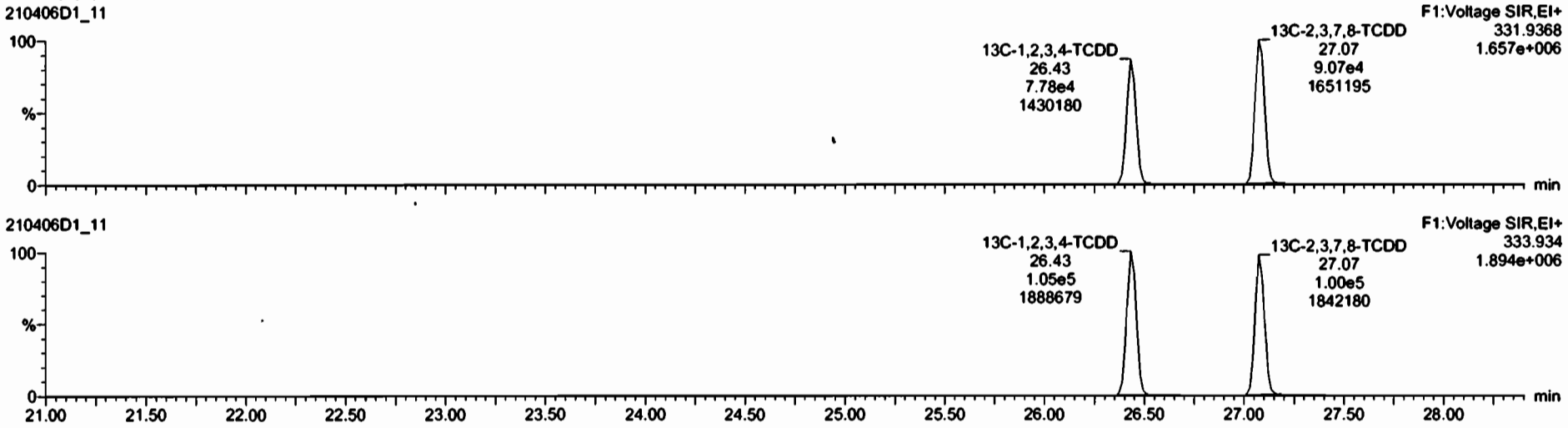
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_11, Date: 06-Apr-2021, Time: 16:04:12, ID: 2103216-05 USMPDI-059RAB-10-20-210318 12.54, Description: USMPDI-059RAB-10-20-210318

2,3,7,8-TCDD



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

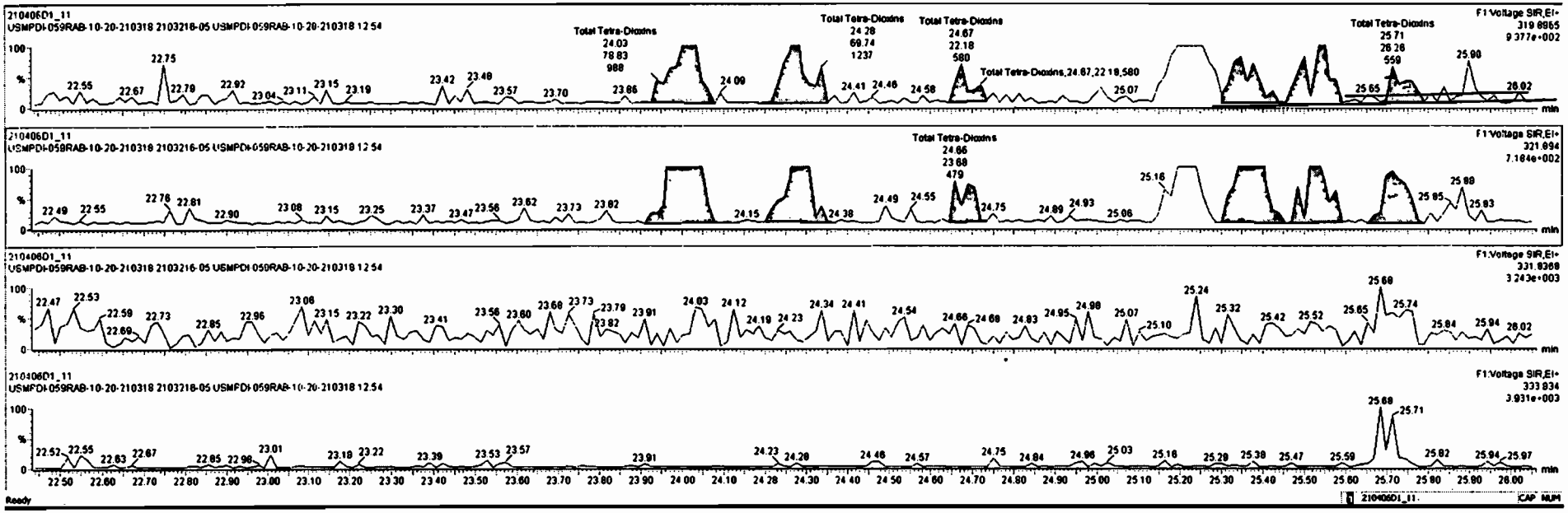


TargetLynx - 210406D1_11.qld * - [Chromatogram]

File Edit View Display Processing Window Help

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
20	13C-1,2,3,4,7,8-HxCDD	1.31e5	1.29	NO	0.80	10 156	34.69	1.015	214	109	0.608	
21	13C-1,2,3,6,7,8-HxCDD	1.49e5	1.28	NO	0.67	10 156	34.81	1.018	216	110	0.541	
22	13C-1,2,3,7,8,9-HxCDD	1.54e5	1.28	NO	0.68	10 156	35.11	1.027	221	112	0.537	
23	13C-1,2,3,4,6,7,8-HpCDD	1.17e5	1.06	NO	0.56	10 156	38.49	1.126	205	104	1.04	

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Tetra-Dioxins	24.03	7.880e1	1.236e2	0.64	YES	0.18625	0.00000
2	Total Tetra-Dioxins	24.28	6.974e1	6.571e1	1.06	YES	0.12083	0.00000
3	Total Tetra-Dioxins	24.67	2.218e1	2.368e1	0.94	YES	0.043539	0.00000
4	Total Tetra-Dioxins	25.35	5.050e1	9.738e1	0.52	YES	0.12060	0.00000
5	Total Tetra-Dioxins	25.55	6.583e1	4.985e1	1.32	YES	0.091688	0.00000
6	Total Tetra-Dioxins	25.71	2.826e1	4.056e1	0.65	YES	0.082719	0.00000
7	Total Tetra-Dioxins	26.19	2.753e1	2.877e1	0.96	YES	0.052902	0.00000
8	2,3,7,8-TCDD	27.11	2.414e1	1.084e2	0.22	YES	0.057637	0.00000



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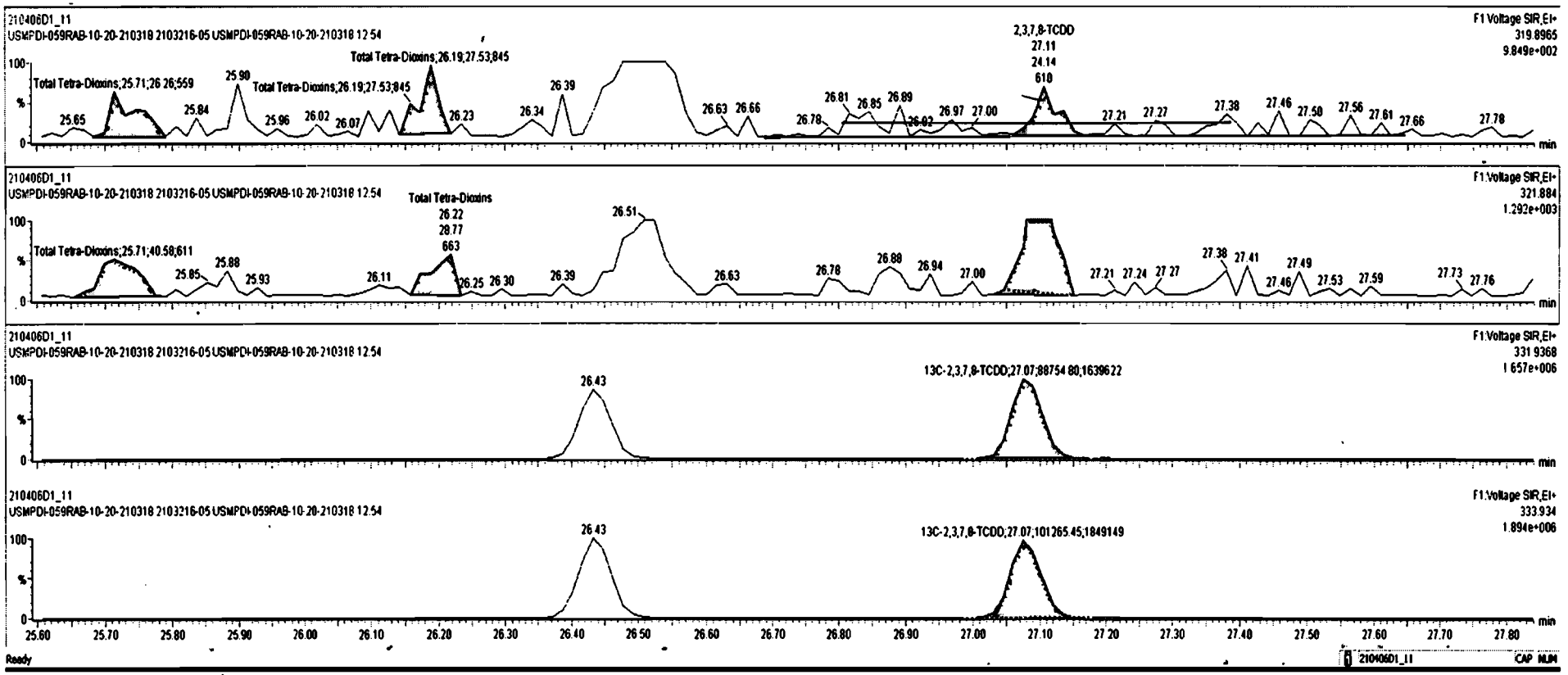
TargetLynx - 210406D1-11.qld * - [Chromatogram]

File Edit View Display Processing Window Help

	Name	Resp	RA	n/y	RRF	wtAnal	RT	RRT	Conc.	%Rec	DL	EMPC
20	13C-1,2,3,4,7,8-HxCDD	1.31e5	1.29	NO	0.60	10.156	34.69	1.015	214	109	0.608	
21	13C-1,2,3,6,7,8-HxCDD	1.49e5	1.28	NO	0.67	10.156	34.81	1.018	216	110	0.541	
22	13C-1,2,3,7,8,9-HxCDD	1.54e5	1.26	NO	0.68	10.156	35.11	1.027	221	112	0.537	
23	13C-1,2,3,4,6,7,8-HpCDD	1.17e5	1.06	NO	0.56	10.156	38.49	1.126	205	104	1.04	

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Tetra-Dioxins	24.03	7.883e1	1.238e2	0.64	YES	0.18825	0.00000
2	Total Tetra-Dioxins	24.28	6.974e1	6.571e1	1.06	YES	0.12083	0.00000
3	Total Tetra-Dioxins	24.67	2.218e1	2.368e1	0.94	YES	0.043539	0.00000
4	Total Tetra-Dioxins	25.35	5.050e1	9.738e1	0.52	YES	0.12060	0.00000
5	Total Tetra-Dioxins	25.55	6.563e1	4.985e1	1.32	YES	0.091669	0.00000
6	Total Tetra-Dioxins	25.71	2.626e1	4.058e1	0.65	YES	0.062719	0.00000
7	Total Tetra-Dioxins	26.19	2.753e1	2.877e1	0.96	YES	0.052902	0.00000
8	2,3,7,8-TCDD	27.11	2.414e1	1.084e2	0.22	YES	0.057637	0.00000



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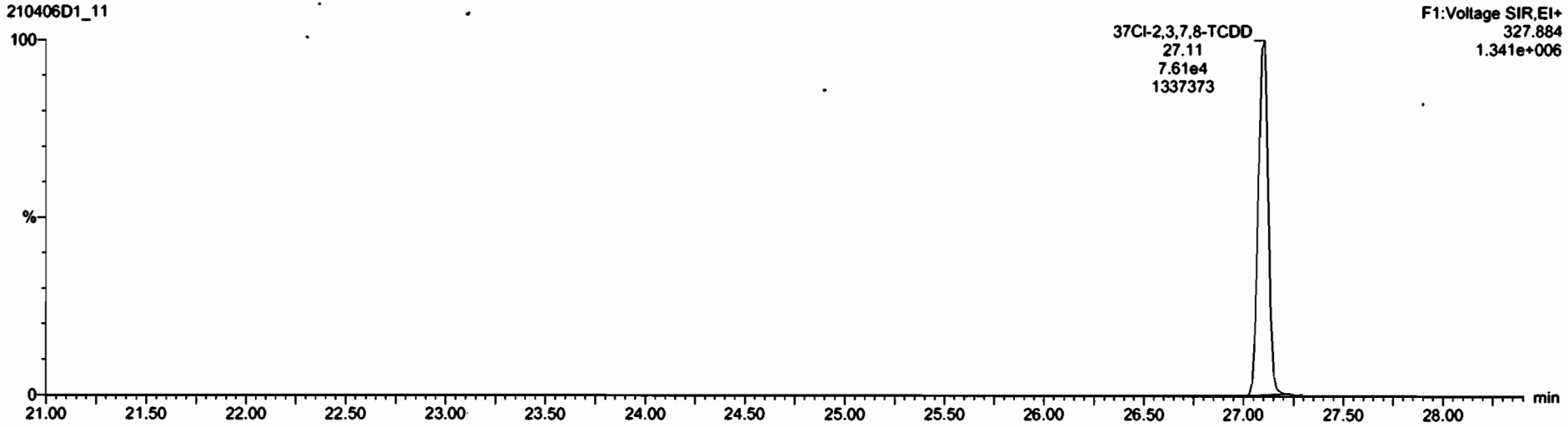
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_11, Date: 06-Apr-2021, Time: 16:04:12, ID: 2103216-05 USMPDI-059RAB-10-20-210318 12.54, Description: USMPDI-059RAB-10-20-210318

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



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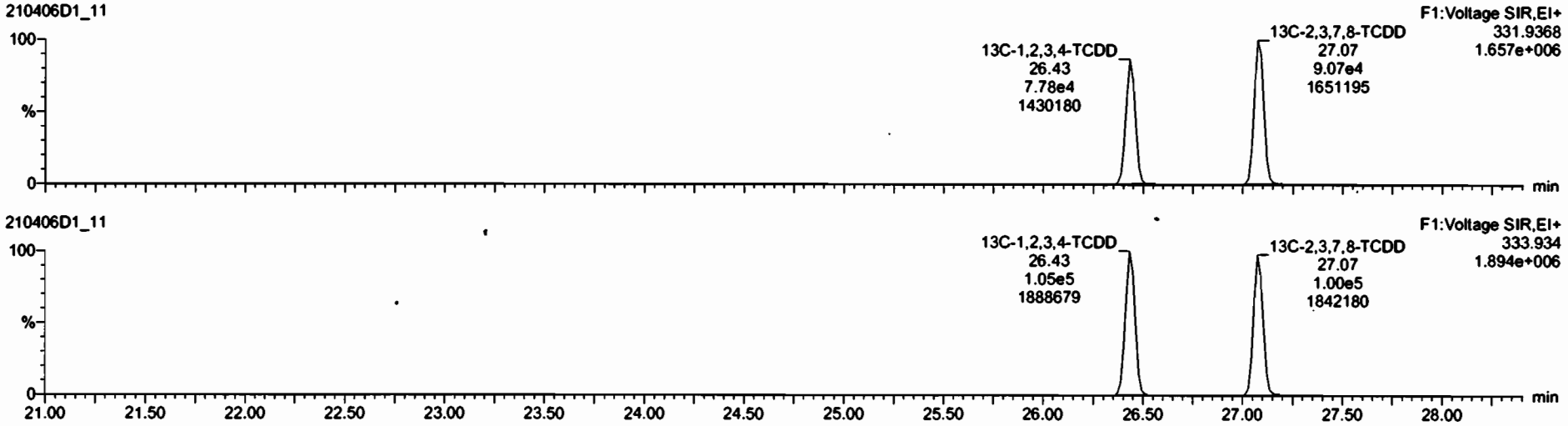

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Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
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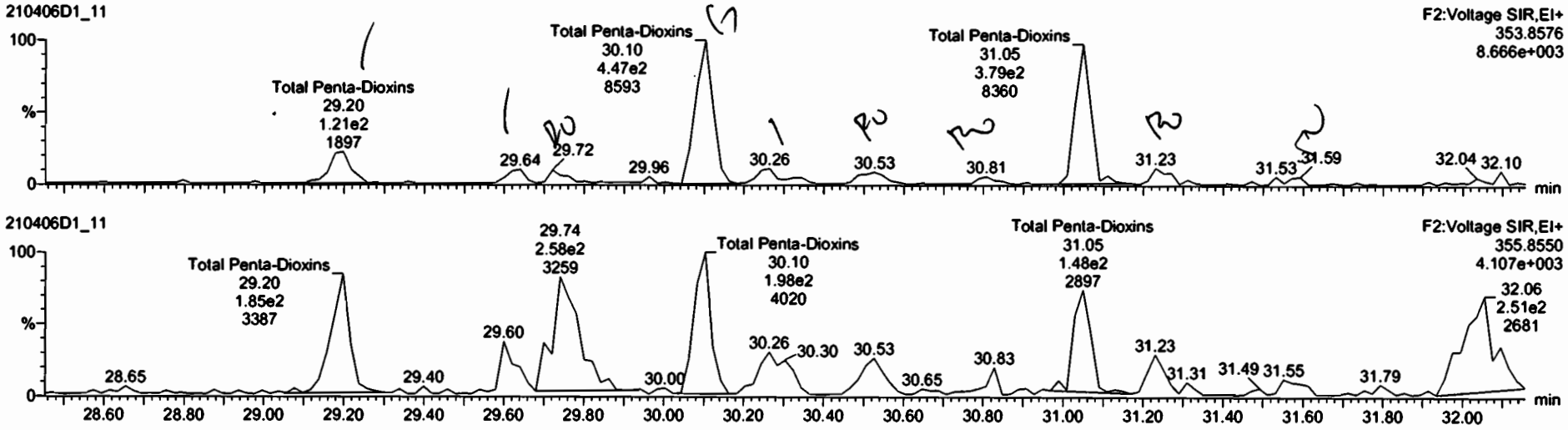
Name: 210406D1_11, Date: 06-Apr-2021, Time: 16:04:12, ID: 2103216-05 USMPDI-059RAB-10-20-210318 12.54, Description: USMPDI-059RAB-10-20-210318

1,2,3,7,8-PeCDD



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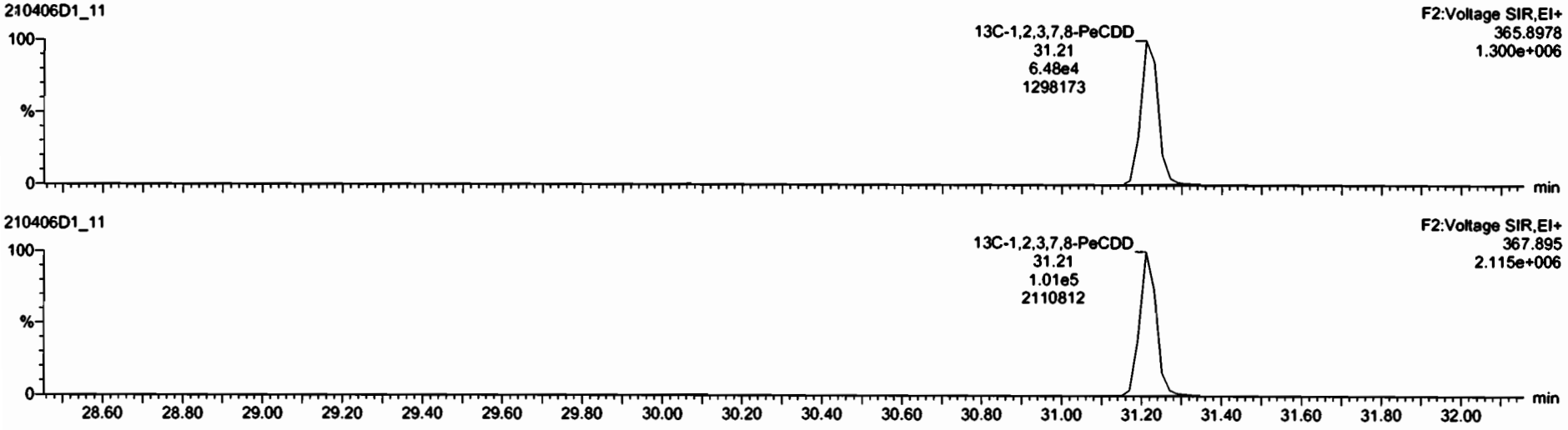

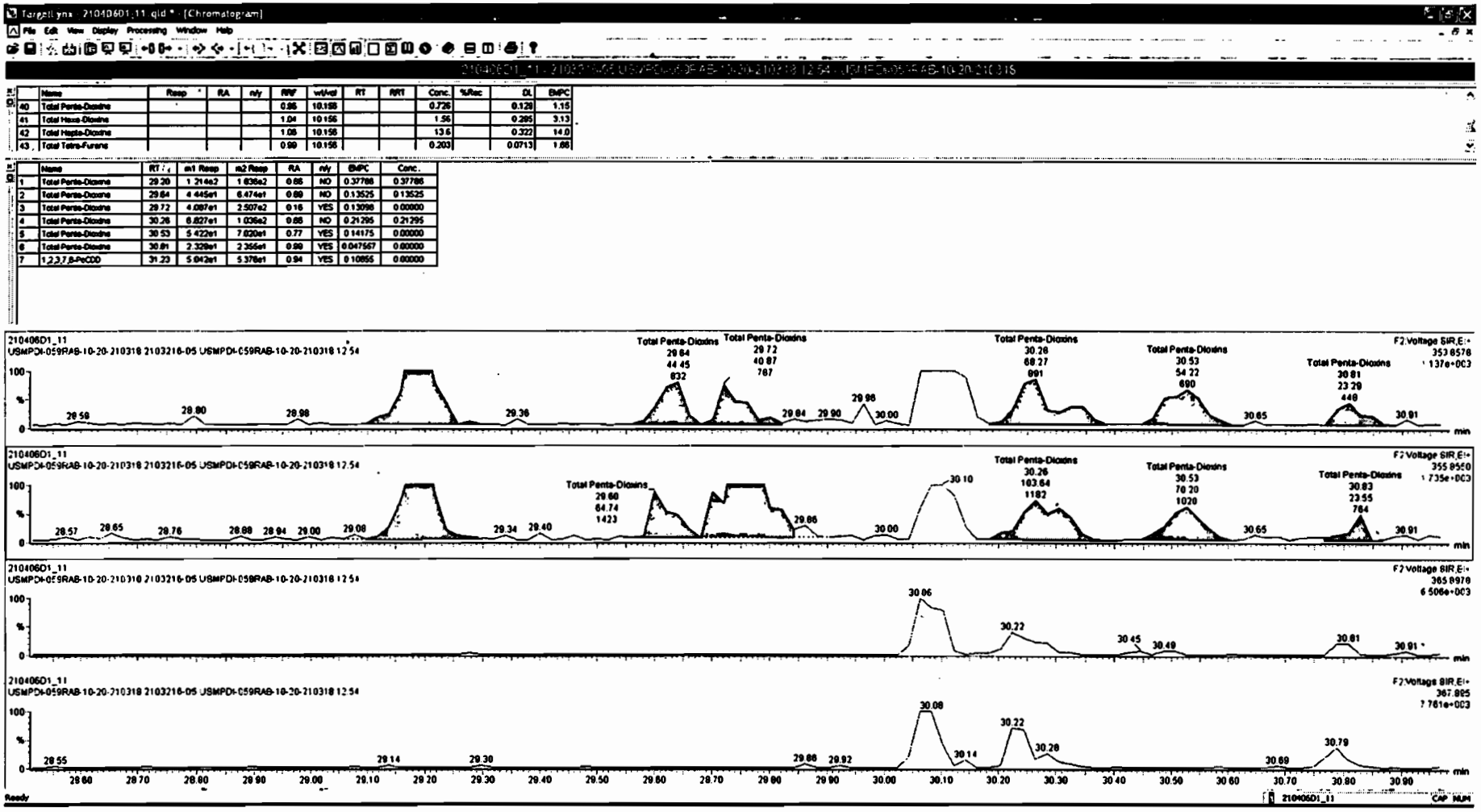
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Name Resp RA n/y RRF wt/vol RT RRT Conc. %Rec DL EMPC
40 Total Penta-Dioxins 0.86 10.156 0.726 0.129 1.15
41 Total Hexa-Dioxins 1.04 10.156 1.56 0.295 3.13
42 Total Hepta-Dioxins 1.08 10.156 13.6 0.322 14.0
43 Total Tetra-Furans 0.99 10.156 0.203 0.0713 1.66
Name RT m1 Resp m2 Resp RA n/y EMPC Conc.
1 Total Penta-Dioxins 29.20 1.214e2 1.838e2 0.66 NO 0.37786 0.37786
2 Total Penta-Dioxins 29.84 4.445e1 6.474e1 0.69 NO 0.13525 0.13525
3 Total Penta-Dioxins 29.72 4.087e1 2.507e2 0.16 YES 0.13098 0.00000
4 Total Penta-Dioxins 30.26 6.827e1 1.036e2 0.66 NO 0.21295 0.21295
5 Total Penta-Dioxins 30.53 5.422e1 7.020e1 0.77 YES 0.14175 0.00000
6 Total Penta-Dioxins 30.81 2.329e1 2.356e1 0.99 YES 0.047567 0.00000
7 1,2,3,7,8-PeCDD 31.23 5.042e1 5.378e1 0.94 YES 0.10855 0.00000
210406D1_11
USMPDI-059RAB-10-20-210318 2103216-05 USMPDI-059RAB-10-20-210318 12 54
Total Penta-Dioxins 29.84 44.45 832
Total Penta-Dioxins 29.72 40.87 787
Total Penta-Dioxins 30.26 68.27 991
Total Penta-Dioxins 30.53 54.22 690
Total Penta-Dioxins 30.81 23.29 448
F2:Voltage SIR,E:+ 353.8578 1.137e+003
Total Penta-Dioxins 29.60 64.74 1423
30.10
Total Penta-Dioxins 30.26 103.64 1182
Total Penta-Dioxins 30.53 70.20 1020
Total Penta-Dioxins 30.83 23.55 764
F2:Voltage SIR,E:+ 355.8550 1.735e+003
F2:Voltage SIR,E:+ 365.8978 6.506e+003
F2:Voltage SIR,E:+ 367.895 7.761e+003
min
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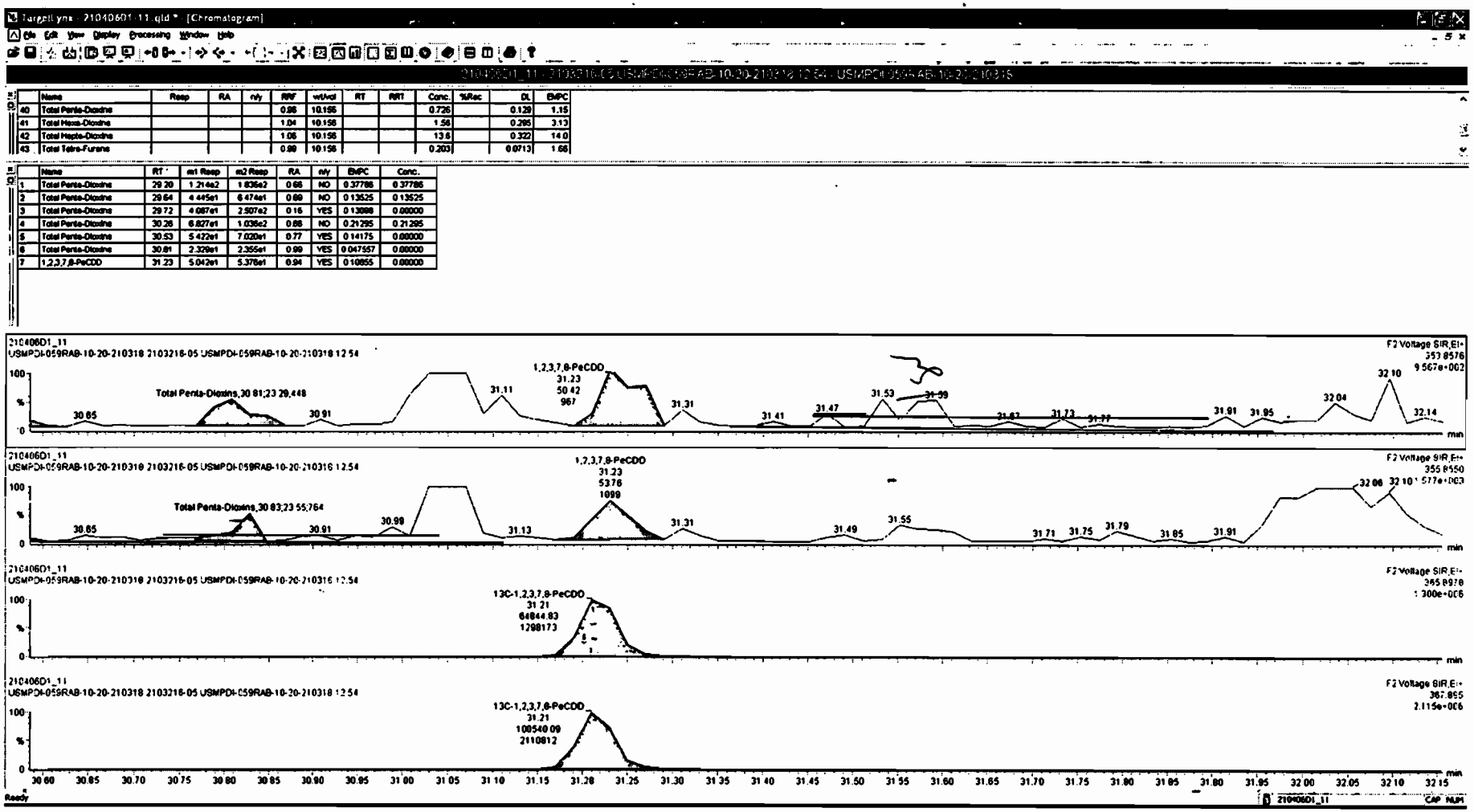
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File Edit View Display Processing Window Help
210406D1_11 - 2103216-05 USMPDI-059RAB-10-20-210318 12:54 - USMPDI-059RAB-10-20-210318
Name Resp RA n/y RRF wt/vol RT RRT Conc. %Rec DL EMPC
40 Total Penta-Dioxins 0.86 10.156 0.726 0.129 1.15
41 Total Hexa-Dioxins 1.04 10.156 1.58 0.295 3.13
42 Total Hepta-Dioxins 1.06 10.156 13.6 0.322 14.0
43 Total Tetra-Furans 0.99 10.156 0.203 0.0713 1.66
Name RT m1 Resp m2 Resp RA n/y EMPC Conc.
1 Total Penta-Dioxins 29.20 1.214e2 1.836e2 0.66 NO 0.37786 0.37786
2 Total Penta-Dioxins 29.64 4.445e1 6.474e1 0.69 NO 0.13525 0.13525
3 Total Penta-Dioxins 29.72 4.087e1 2.507e2 0.16 YES 0.13098 0.00000
4 Total Penta-Dioxins 30.26 6.827e1 1.036e2 0.66 NO 0.21295 0.21295
5 Total Penta-Dioxins 30.53 5.422e1 7.020e1 0.77 YES 0.14175 0.00000
6 Total Penta-Dioxins 30.81 2.329e1 2.355e1 0.99 YES 0.047557 0.00000
7 1,2,3,7,8-PeCDD 31.23 5.042e1 5.376e1 0.94 YES 0.10855 0.00000
210406D1_11
USMPDI-059RAB-10-20-210318 2103216-05 USMPDI-059RAB-10-20-210318 12:54
F2 Voltage SIR,EI+ 353.8576 9.567e+002
Total Penta-Dioxins,30.81;23 29.448
1,2,3,7,8-PeCDD 31.23 50.42 967
30.85 30.91 31.11 31.31 31.41 31.47 31.53 31.59 31.82 31.73 31.77 31.91 31.95 32.04 32.10 32.14
210406D1_11
USMPDI-059RAB-10-20-210318 2103216-05 USMPDI-059RAB-10-20-210318 12:54
F2 Voltage SIR,EI+ 355.8550 1.577e+003
Total Penta-Dioxins,30.83;23 55.764
1,2,3,7,8-PeCDD 31.23 53.76 1099
30.85 30.91 30.98 31.13 31.31 31.49 31.55 31.71 31.75 31.79 31.85 31.91 32.06 32.10
210406D1_11
USMPDI-059RAB-10-20-210318 2103216-05 USMPDI-059RAB-10-20-210318 12:54
F2 Voltage SIR,EI+ 365.8978 1.300e+006
13C-1,2,3,7,8-PeCDD 31.21 64844.83 1298173
210406D1_11
USMPDI-059RAB-10-20-210318 2103216-05 USMPDI-059RAB-10-20-210318 12:54
F2 Voltage SIR,EI+ 367.895 2.115e+006
13C-1,2,3,7,8-PeCDD 31.21 100540.09 2110812
30.60 30.65 30.70 30.75 30.80 30.85 30.90 30.95 31.00 31.05 31.10 31.15 31.20 31.25 31.30 31.35 31.40 31.45 31.50 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
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210406D1_11
CAP NUM

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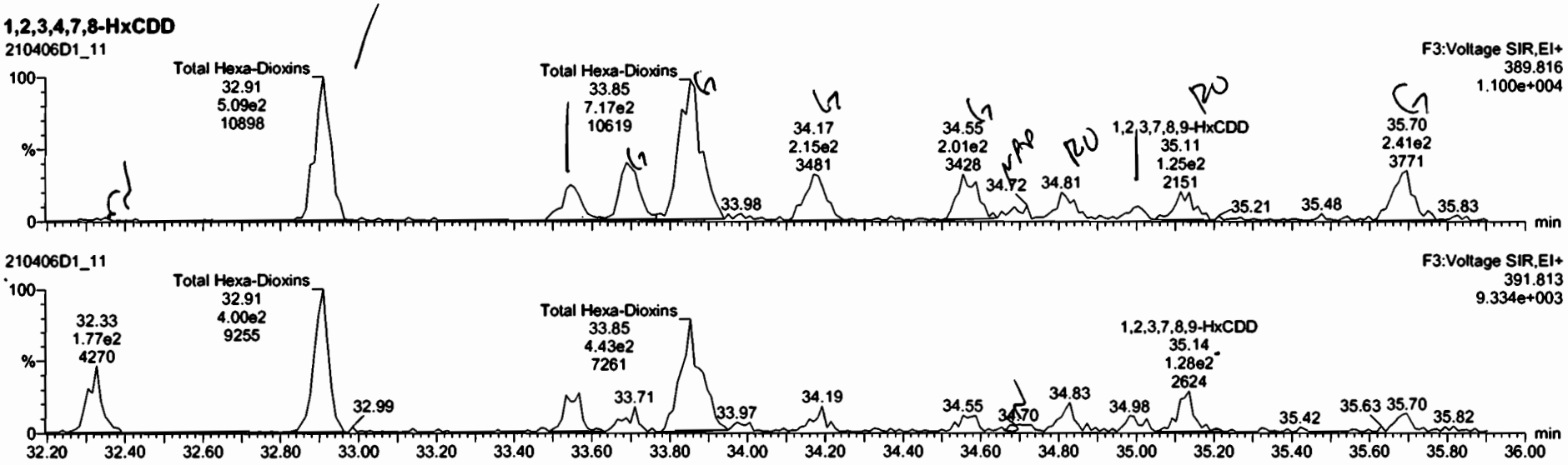
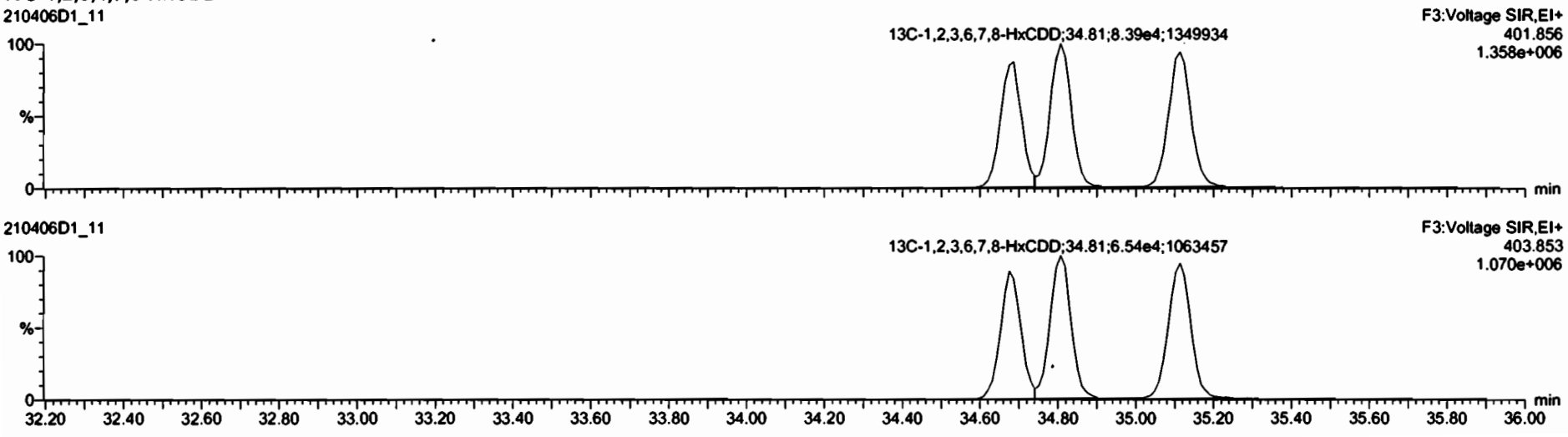
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_11, Date: 06-Apr-2021, Time: 16:04:12, ID: 2103216-05 USMPDI-059RAB-10-20-210318 12.54, Description: USMPDI-059RAB-10-20-210318

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



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



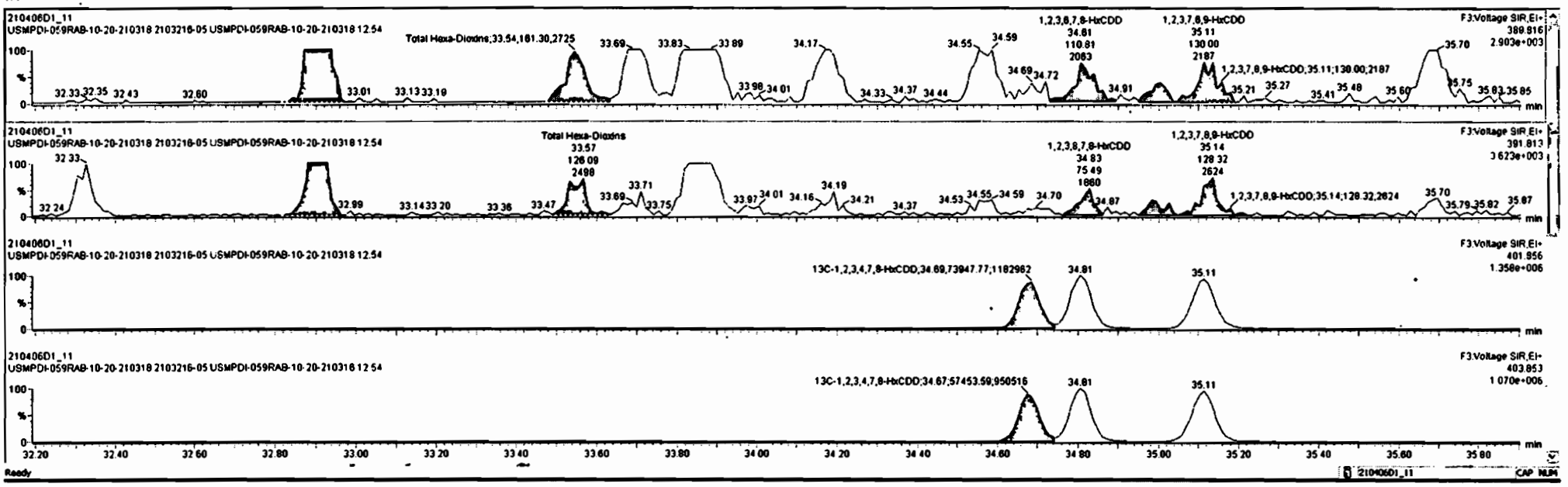
TargetLynx - 210406D1 11.qld * - [Chromatogram]

File Edit View Display Processing Window Help

210406D1_11 - 2103216-05 USMPDI-059RAB-10-20-210318 12:54 - USMPDI-059RAB-10-20-210318

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
27	13C-2,3,4,7,8-PeCDF	2.38e5	1.64	NO	0.75	10.156	31.05	1.175	200	102	0.415	
28	13C-1,2,3,4,7,8-HxCDF	2.89e5	0.50	NO	0.97	10.156	33.70	0.986	211	107	0.726	
29	13C-1,2,3,6,7,8-HxCDF	2.40e5	0.51	NO	1.06	10.156	33.84	0.990	216	110	0.646	
30	13C-2,3,4,6,7,8-HxCDF	2.14e5	0.53	NO	0.96	10.156	34.56	1.011	216	111	0.732	

	Name	RT	ion1 Resp	ion2 Resp	RA	n/y	EMPC	Conc
1	Total Hexa-Dioxins	32.91	5.141e2	4.017e2	1.28	NO	1.1969	1.1969
2	Total Hexa-Dioxins	33.54	1.613e2	1.261e2	1.28	NO	0.37561	0.37561
3	1,2,3,6,7,8-HxCDD	34.81	1.108e2	7.549e1	1.47	YES	0.21442	0.00000
4	Total Hexa-Dioxins	35.00	5.547e1	5.076e1	1.09	NO	0.13883	0.13883
5	1,2,3,7,8,9-HxCDD	35.11	1.300e2	1.263e2	1.01	YES	0.26367	0.00000



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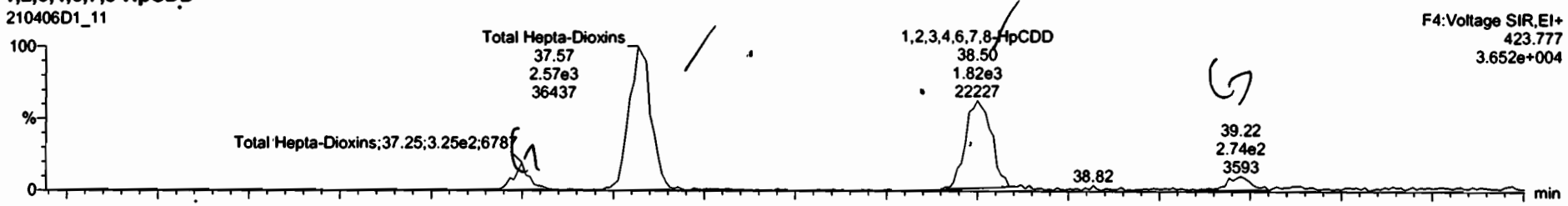
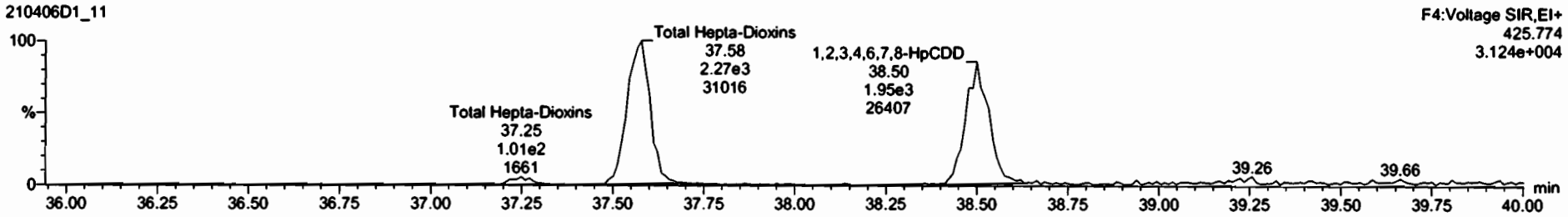
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

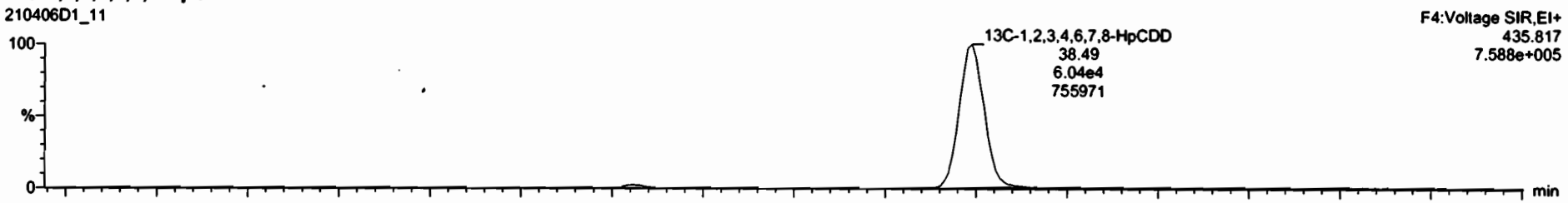
Name: 210406D1_11, Date: 06-Apr-2021, Time: 16:04:12, ID: 2103216-05 USMPDI-059RAB-10-20-210318 12.54, Description: USMPDI-059RAB-10-20-210318

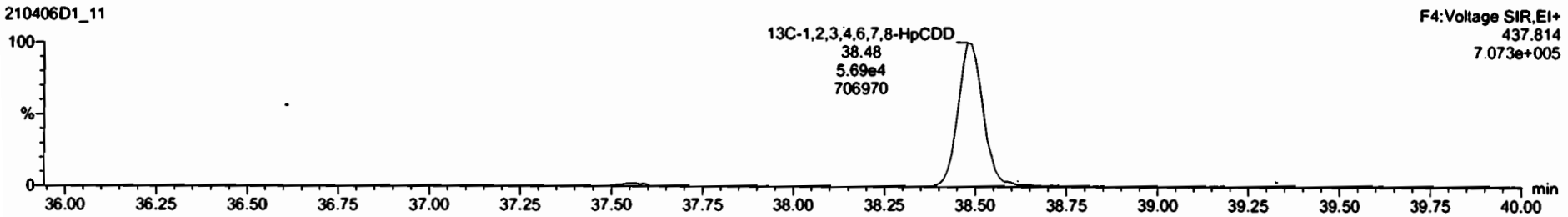
1,2,3,4,6,7,8-HpCDD





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





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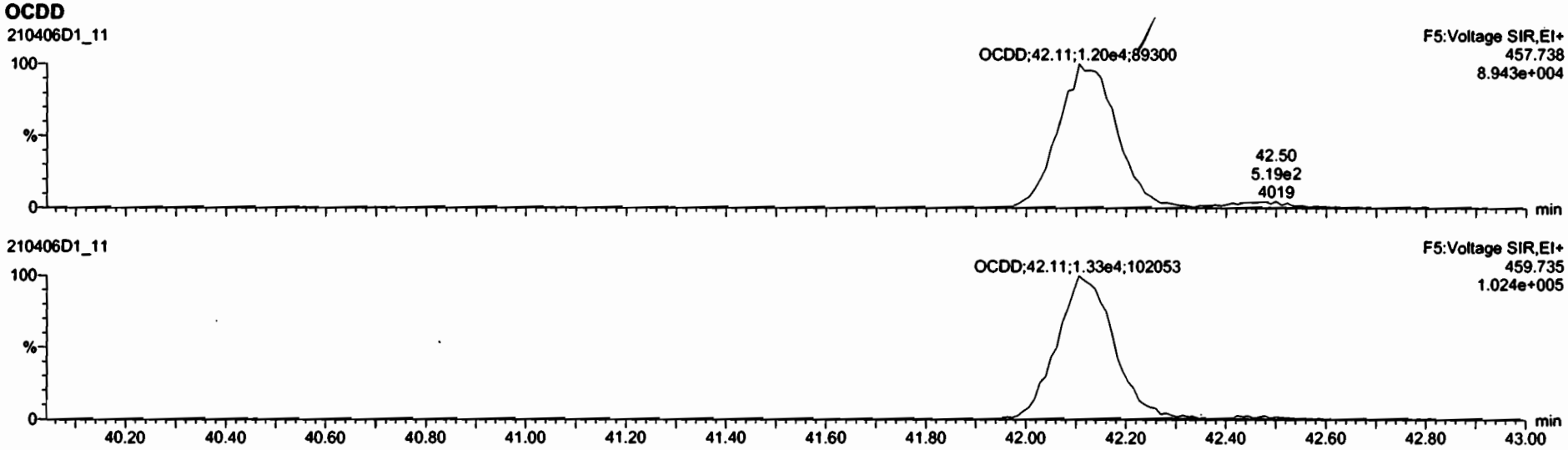
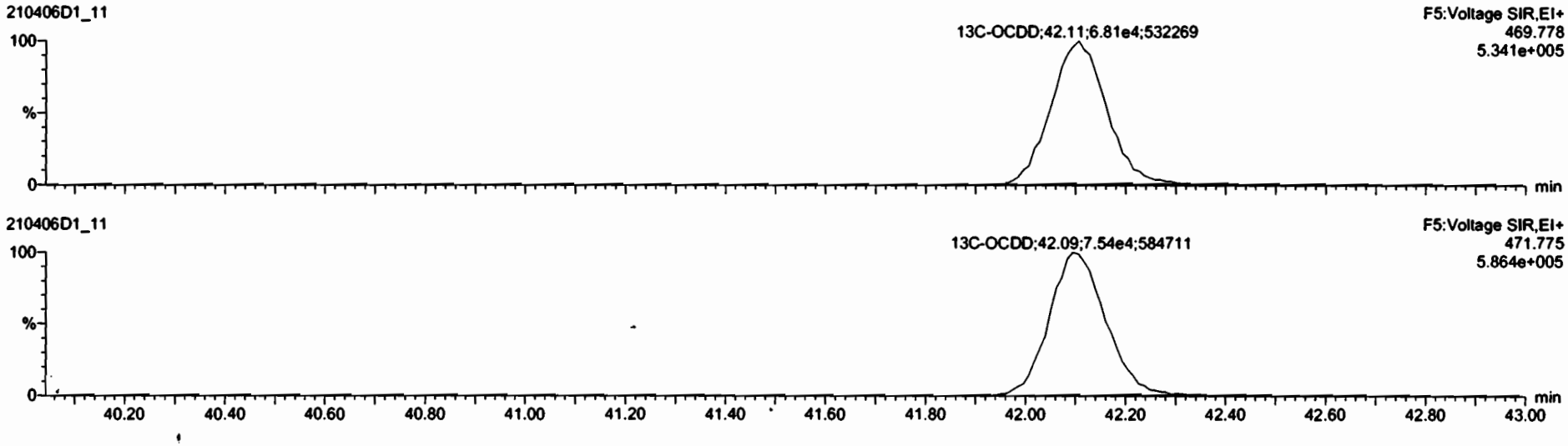
Name: 210406D1_11, Date: 06-Apr-2021, Time: 16:04:12, ID: 2103216-05 USMPDI-059RAB-10-20-210318 12.54, Description: USMPDI-059RAB-10-20-210318

OCDD



13C-OCDD



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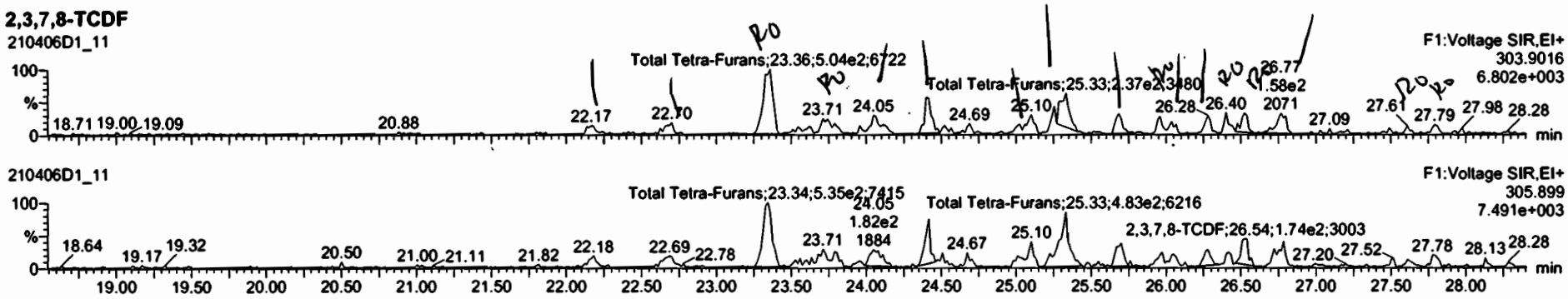
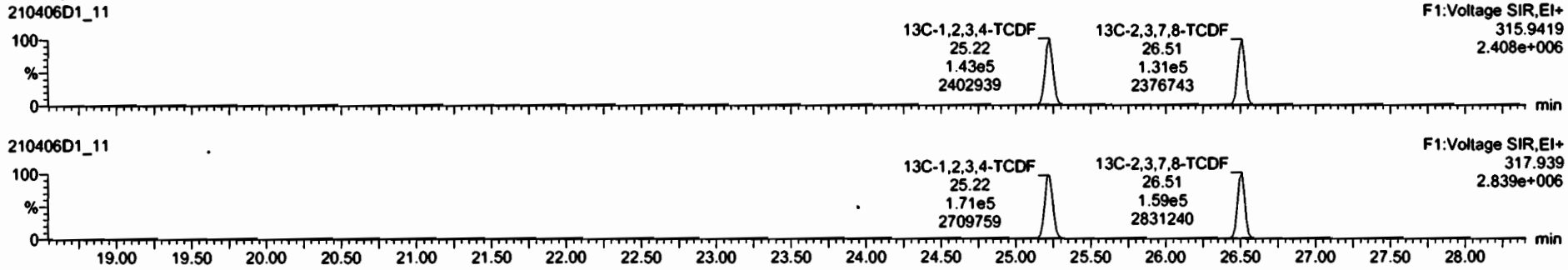
Name: 210406D1_11, Date: 06-Apr-2021, Time: 16:04:12, ID: 2103216-05 USMPDI-059RAB-10-20-210318 12.54, Description: USMPDI-059RAB-10-20-210318

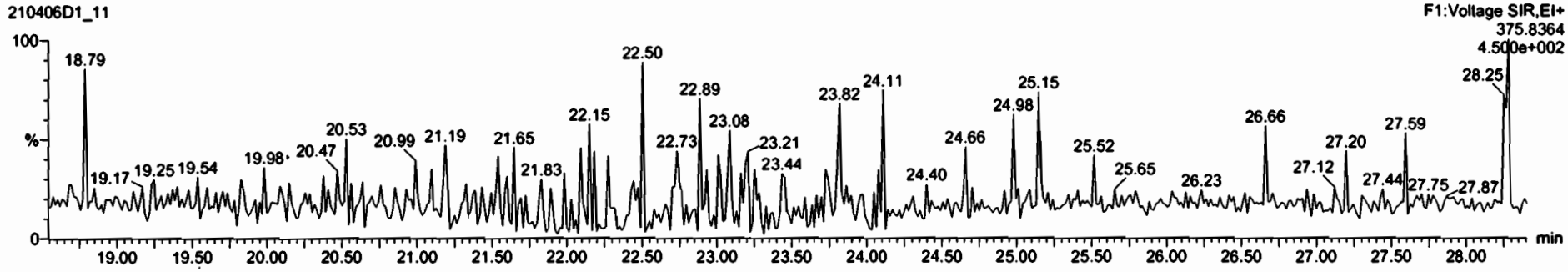
2,3,7,8-TCDF



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



DPE1



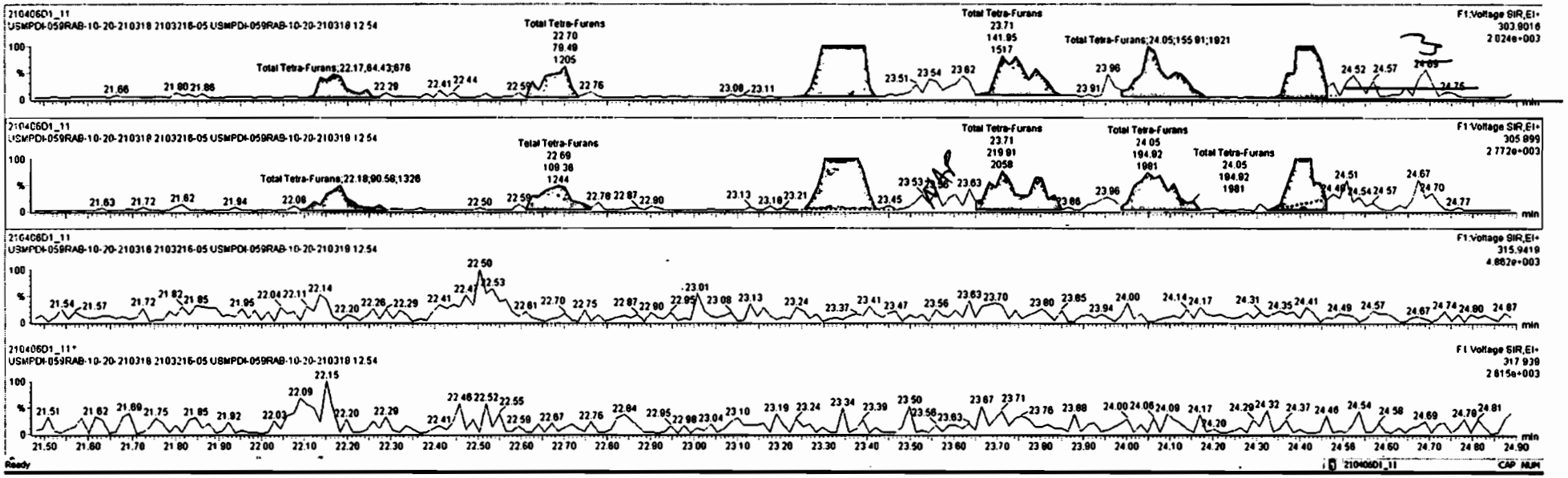
TargetLynx - 210406D1-11.qld * - [Chromatogram]

File Edit View Display Processing Window Help

210406D1_11 - 2103216-05 USMPDI-059RAB-10-20-210318 12:54 - USMPDI-059RAB-10-20-210318

	Name	Resp	RA	n/y	RRF	w/Avg	RT	RRT	Conc.	%Rec	DL	EMPC
42	Total Hepta-Dioxins				1.06	10 156			13.6		0.322	13.6
43	Total Tetra-Furans				0.59	10 156			2.24		0.0713	3.79
44	1st Func. Penta-Furans				1.02	10 156			2.68		0.0296	2.68
45	Total Penta-Furans				1.02	10 156			2.90		0.0672	3.51

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Tetra-Furans	22.17	6.443e1	9.058e1	0.71	NO	0.10632	0.10632
2	Total Tetra-Furans	22.70	7.949e1	1.094e2	0.72	NO	0.12885	0.12885
3	Total Tetra-Furans	23.36	5.044e2	5.310e2	0.95	YES	0.84462	0.00000
4	Total Tetra-Furans	23.71	1.419e2	2.190e2	0.65	YES	0.22380	0.00000
5	Total Tetra-Furans	24.05	1.558e2	1.948e2	0.80	NO	0.24049	0.24049
6	Total Tetra-Furans	24.40	1.995e2	2.521e2	0.79	NO	0.30975	0.30975
7	Total Tetra-Furans	25.10	1.668e2	2.087e2	0.81	NO	0.25862	0.25862
8	Total Tetra-Furans	25.33	4.381e2	4.994e2	0.88	NO	0.64366	0.64366
9	Total Tetra-Furans	25.68	1.129e2	1.668e2	0.67	NO	0.18311	0.18311
10	Total Tetra-Furans	25.96	8.051e1	8.235e1	0.98	YES	0.099974	0.00000
11	Total Tetra-Furans	26.04	6.225e1	8.720e1	0.71	NO	0.10250	0.10250
12	Total Tetra-Furans	26.26	9.823e1	1.244e2	0.79	NO	0.15288	0.00000
13	Total Tetra-Furans	26.40	9.295e1	8.502e1	1.09	YES	0.10321	0.00000



Ready

210406D1_11

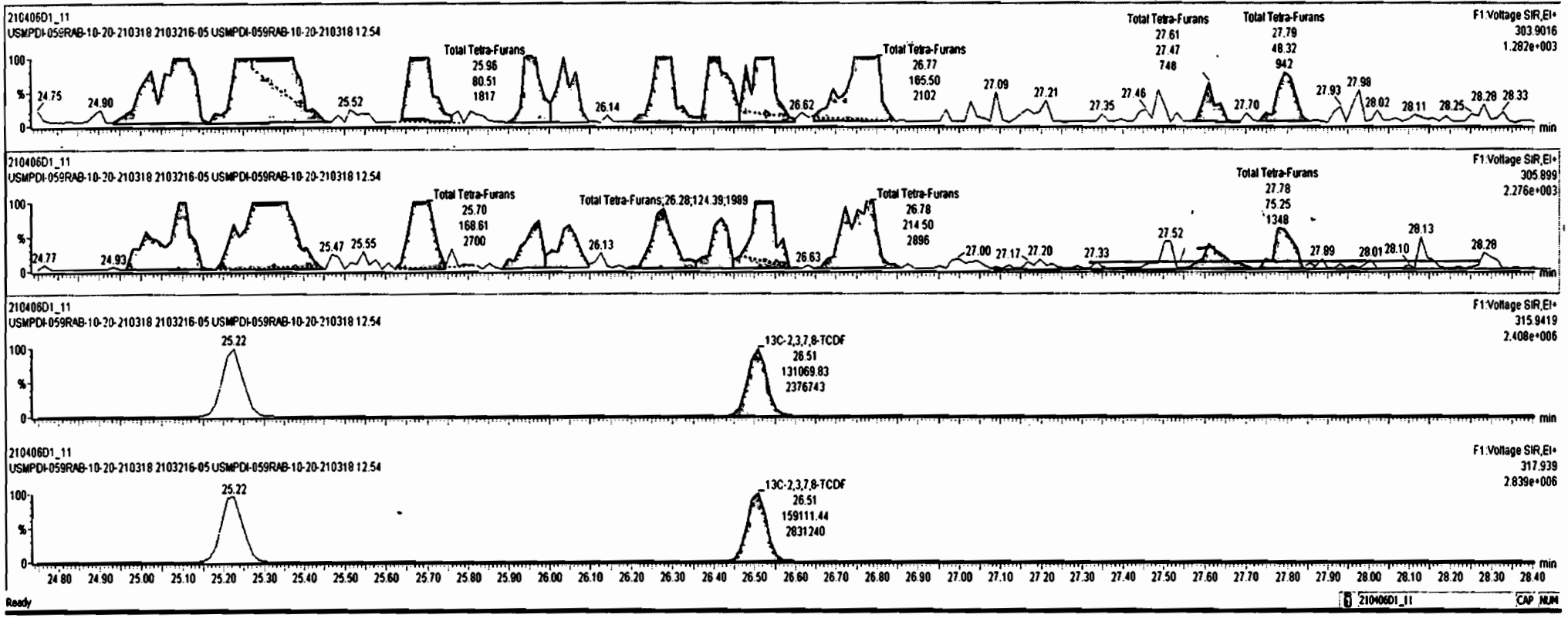
CAP NUM

TargetLynx - 210406D1_11.qld * - [Chromatogram]

File Edit View Display Processing Window Help

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
42	Total Hepta-Dioxins				1.06	10.156			13.6		0.322	13.6
43	Total Tetra-Furans				0.99	10.156			2.24		0.0713	3.79
44	1st Func. Penta-Furans				1.02	10.156			2.68		0.0296	2.68
45	Total Penta-Furans				1.02	10.156			2.50		0.0672	3.51

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Tetra-Furans	22.17	6.443e1	9.058e1	0.71	NO	0.10632	0.10632
2	Total Tetra-Furans	22.70	7.848e1	1.094e2	0.72	NO	0.12885	0.12885
3	Total Tetra-Furans	23.36	5.044e2	5.310e2	0.95	YES	0.64462	0.00000
4	Total Tetra-Furans	23.71	1.419e2	2.190e2	0.65	YES	0.22380	0.00000
5	Total Tetra-Furans	24.05	1.558e2	1.946e2	0.80	NO	0.24049	0.24049
6	Total Tetra-Furans	24.40	1.995e2	2.521e2	0.79	NO	0.30975	0.30975
7	Total Tetra-Furans	25.10	1.698e2	2.087e2	0.81	NO	0.25962	0.25962
8	Total Tetra-Furans	25.33	4.391e2	4.994e2	0.88	NO	0.64366	0.64366
9	Total Tetra-Furans	25.68	1.129e2	1.686e2	0.67	NO	0.19311	0.19311
10	Total Tetra-Furans	25.96	8.051e1	8.235e1	0.98	YES	0.099974	0.00000
11	Total Tetra-Furans	26.04	6.225e1	8.720e1	0.71	NO	0.10250	0.10250
12	Total Tetra-Furans	26.28	9.823e1	1.244e2	0.79	NO	0.15269	0.00000
13	Total Tetra-Furans	26.40	9.296e1	8.502e1	1.09	YES	0.10321	0.00000



Ready

210406D1_11 CAP NUM

Dataset: Untitled

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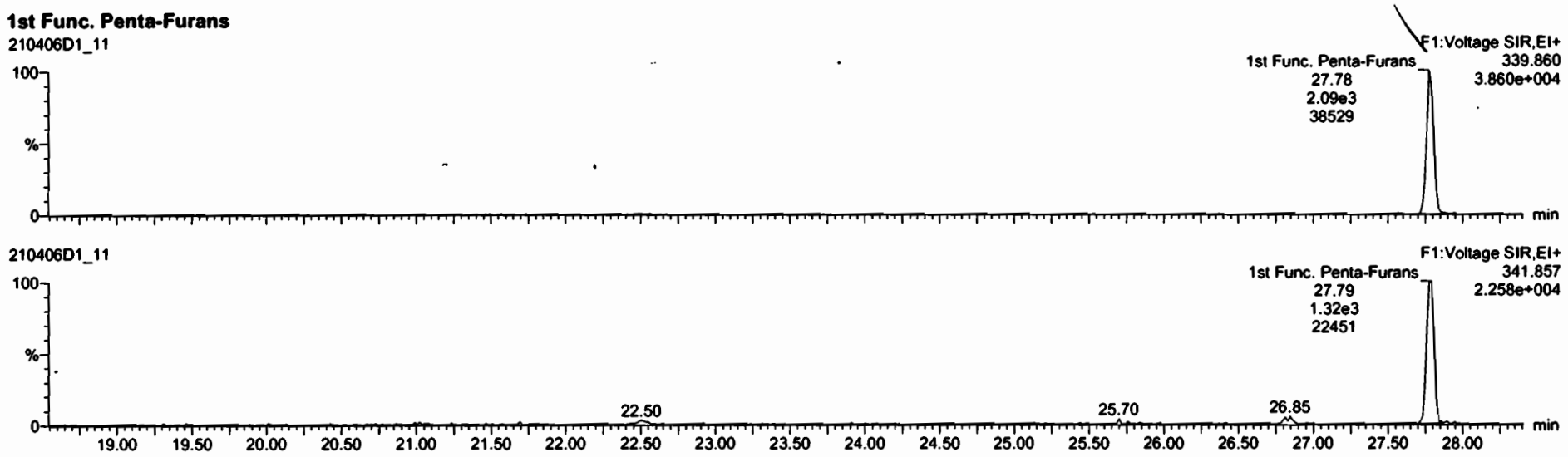
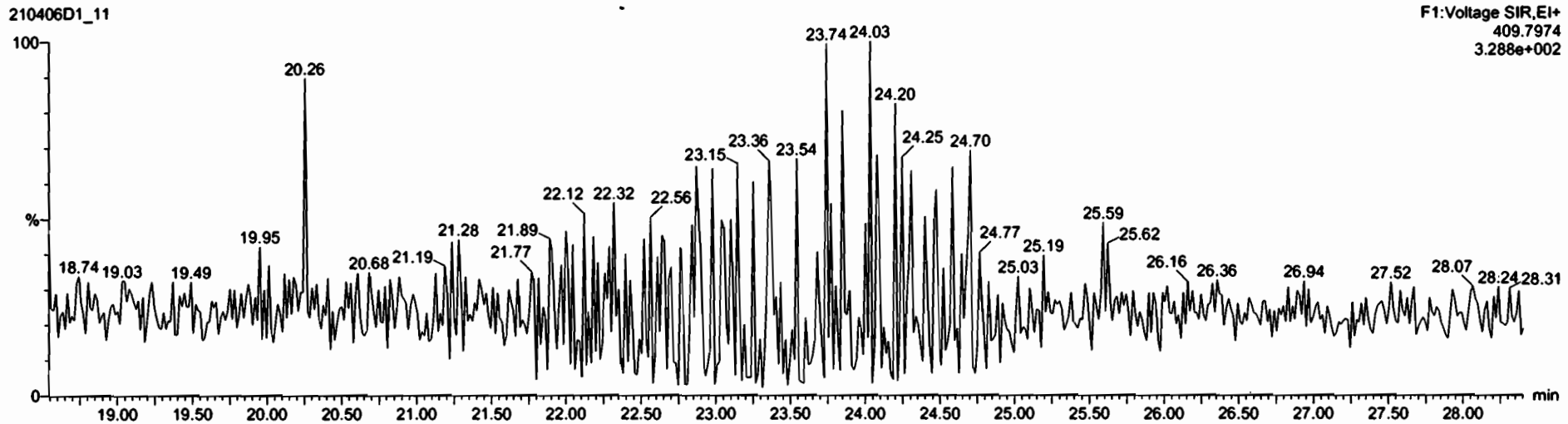
Name: 210406D1_11, Date: 06-Apr-2021, Time: 16:04:12, ID: 2103216-05 USMPDI-059RAB-10-20-210318 12.54, Description: USMPDI-059RAB-10-20-210318

1st Func. Penta-Furans



DPE6



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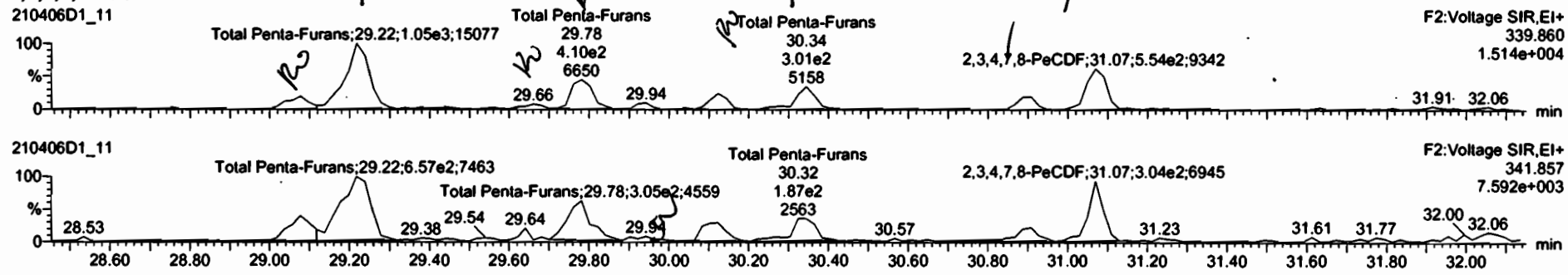
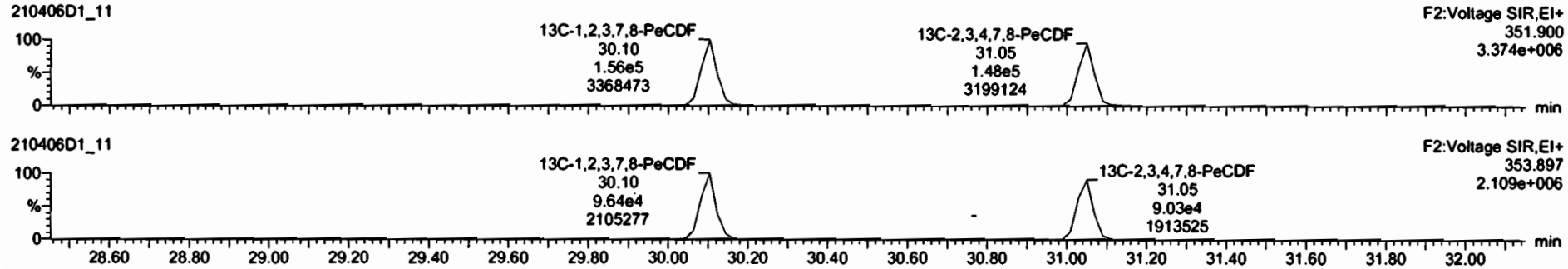
Name: 210406D1_11, Date: 06-Apr-2021, Time: 16:04:12, ID: 2103216-05 USMPDI-059RAB-10-20-210318 12.54, Description: USMPDI-059RAB-10-20-210318

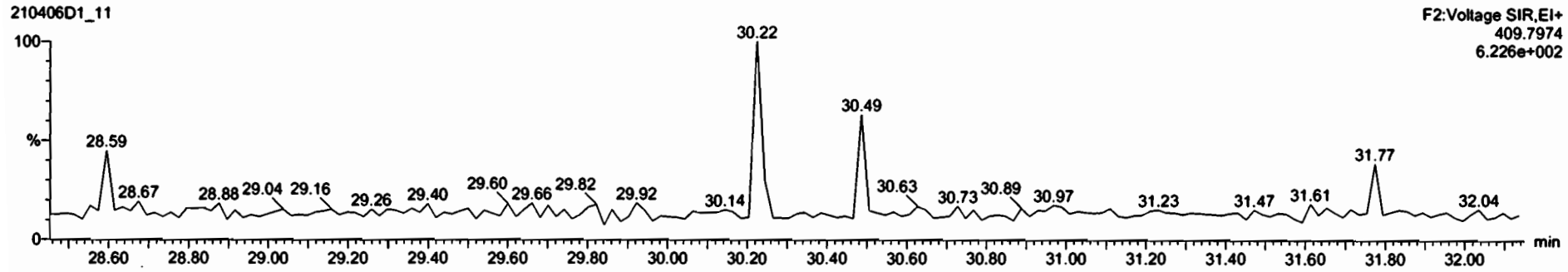
1,2,3,7,8-PeCDF



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



DPE2



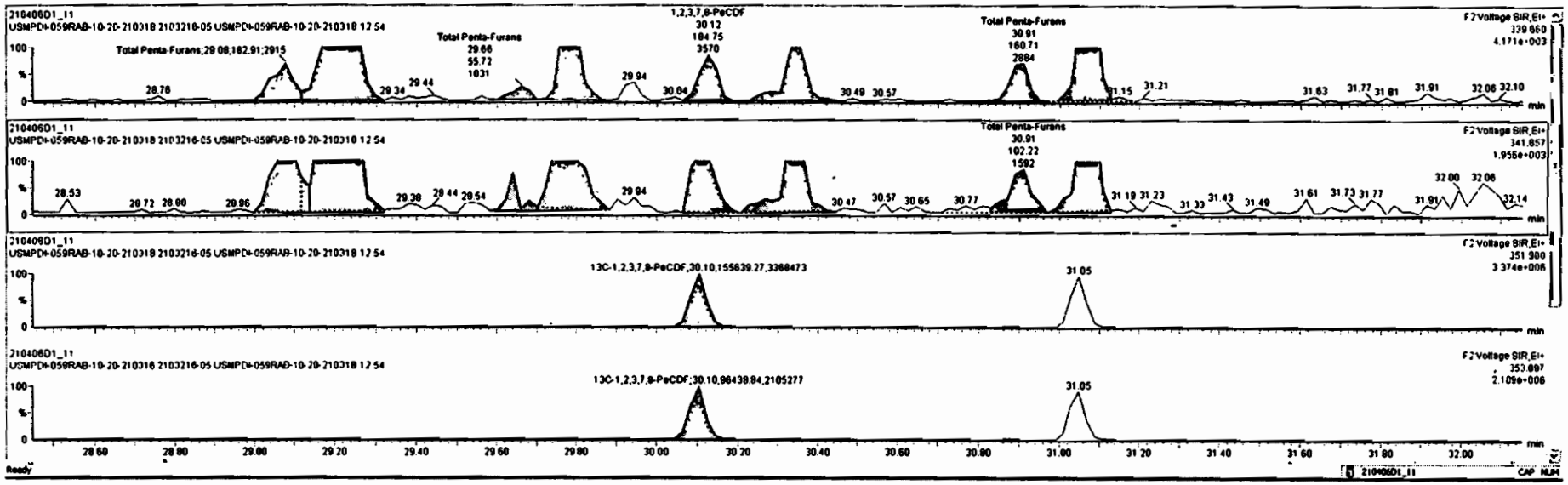
Target1.pro : 210406D1-11.qld * : [Chromatogram]

File Edit View Display Processing Window Help

210406D1_11 : 2103216-05 USMPDH-059RAB-10-20-210318 12:54 : USMPDH-059RAB-10-20-210318

	Name	Resp	RA	n/y	RRF	wUvd	RT	RRT	Conc.	%Rec	DL	EMPC
42	Total Hepta-Dioxins				1.08	10 156			136		0.322	136
43	Total Tetra-Furans				0.99	10 156			2.24		0.0713	3.79
44	1st Func. Penta-Furans				1.02	10.156			2.66		0.0296	2.66
45	Total Penta-Furans				1.02	10.156			2.64		0.0672	3.81

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Penta-Furans	29.08	1.829e2	2.115e2	0.86	YES	0.23640	0.00000
2	Total Penta-Furans	29.22	1.046e3	6.464e2	1.62	NO	1.3297	1.3297
3	Total Penta-Furans	29.66	5.572e1	4.889e1	1.14	YES	0.072022	0.00000
4	Total Penta-Furans	29.78	4.087e2	3.169e2	1.29	YES	0.52956	0.00000
5	1,2,3,7,8-PeCDF	30.12	1.848e2	1.561e2	1.18	YES	0.23231	0.00000
6	Total Penta-Furans	30.34	3.011e2	2.026e2	1.48	NO	0.39584	0.39584
7	Total Penta-Furans	30.91	1.807e2	1.022e2	1.57	NO	0.20656	0.20656
8	2,3,4,7,8-PeCDF	31.07	5.468e2	3.170e2	1.72	NO	0.80771	0.80771



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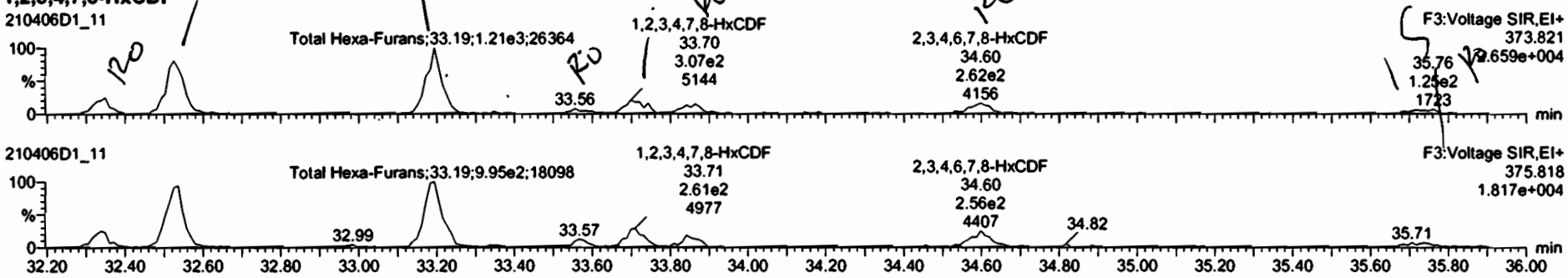
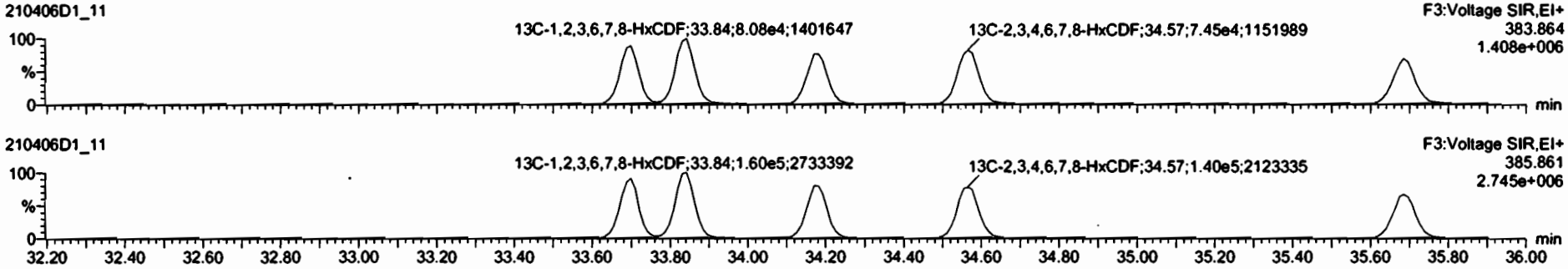
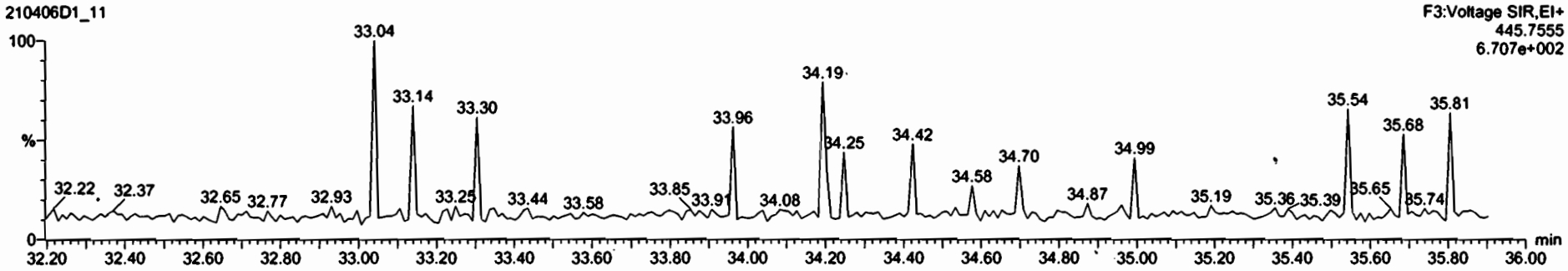
1,2,3,4,7,8-HxCDF

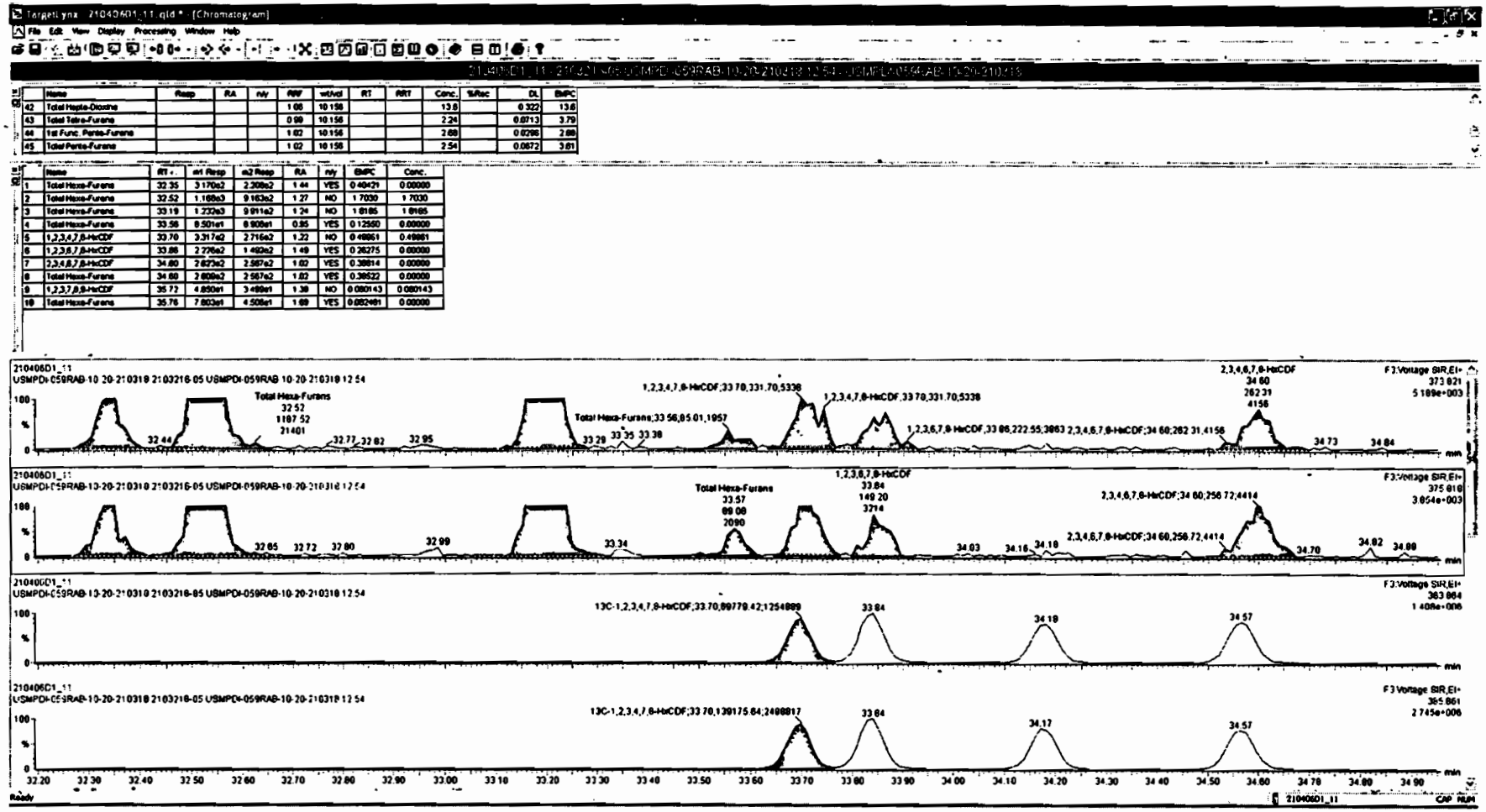


13C-1,2,3,4,7,8-HxCDF



DPE3





	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
42	Total Hepta-Dioxins				1.00	10.156			13.8		0.322	13.6
43	Total Tetra-Furans				0.99	10.156			2.24		0.0713	3.79
44	1st Func. Penta-Furans				1.02	10.156			2.68		0.0296	2.88
45	Total Penta-Furans				1.02	10.156			2.54		0.0672	3.61

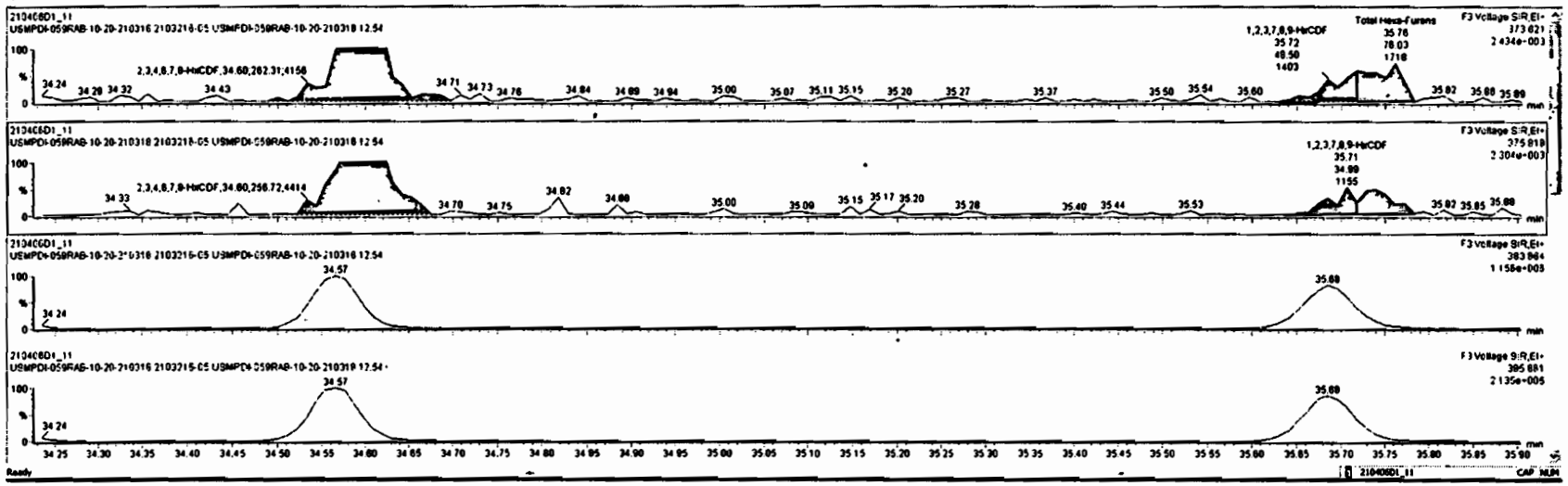
	Name	RT	ar1 Resp	ar2 Resp	RA	n/y	EMPC	Conc.
1	Total Hexa-Furans	32.35	3.170e2	2.208e2	1.44	YES	0.40421	0.00000
2	Total Hexa-Furans	32.52	1.168e3	9.163e2	1.27	NO	1.7030	1.7030
3	Total Hexa-Furans	33.19	1.232e3	9.911e2	1.24	NO	1.8185	1.8185
4	Total Hexa-Furans	33.56	8.501e1	8.908e1	0.95	YES	0.12560	0.00000
5	1,2,3,4,7,8-HxCDF	33.70	3.317e2	2.716e2	1.22	NO	0.49861	0.49861
6	1,2,3,6,7,8-HxCDF	33.86	2.776e2	1.492e2	1.49	YES	0.26275	0.00000
7	2,3,4,6,7,8-HxCDF	34.60	2.623e2	2.567e2	1.02	YES	0.38814	0.00000
8	Total Hexa-Furans	34.80	2.809e2	2.567e2	1.02	YES	0.39522	0.00000
9	1,2,3,7,8,9-HxCDF	35.72	4.850e1	3.498e1	1.38	NO	0.080143	0.080143
10	Total Hexa-Furans	35.76	7.803e1	4.508e1	1.69	YES	0.092481	0.00000

Targetlynx - 210406D1_11.qld * - [Chromatogram]

File Edit View Display Processing Window Help

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
42	Total Hepta-Dioxins				1.06	10.156			13.6		0.322	13.6
43	Total Tetra-Furans				0.99	10.156			2.24		0.0713	3.79
44	1st Func. Penta-Furans				1.02	10.156			2.88		0.0298	2.88
45	Total Penta-Furans				1.02	10.156			2.54		0.0672	3.61

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Hexa-Furans	32.36	3.170e2	2.208e2	1.44	YES	0.40421	0.00000
2	Total Hexa-Furans	32.52	1.168e3	9.163e2	1.27	NO	1.7030	1.7030
3	Total Hexa-Furans	33.19	1.232e3	9.911e2	1.24	NO	1.8165	1.8165
4	Total Hexa-Furans	33.58	8.501e1	8.908e1	0.95	YES	0.12550	0.00000
5	1,2,3,4,7,8-HxCDF	33.70	3.317e2	2.716e2	1.22	NO	0.49061	0.49061
6	1,2,3,6,7,8-HxCDF	33.88	2.228e2	1.492e2	1.49	YES	0.26275	0.00000
7	2,3,4,6,7,8-HxCDF	34.60	2.623e2	2.567e2	1.02	YES	0.38814	0.00000
8	Total Hexa-Furans	34.60	2.609e2	2.567e2	1.02	YES	0.38522	0.00000
9	1,2,3,7,8,9-HxCDF	35.72	4.650e1	3.499e1	1.39	NO	0.080143	0.080143
10	Total Hexa-Furans	35.76	7.603e1	4.508e1	1.69	YES	0.082481	0.00000



Dataset: Untitled

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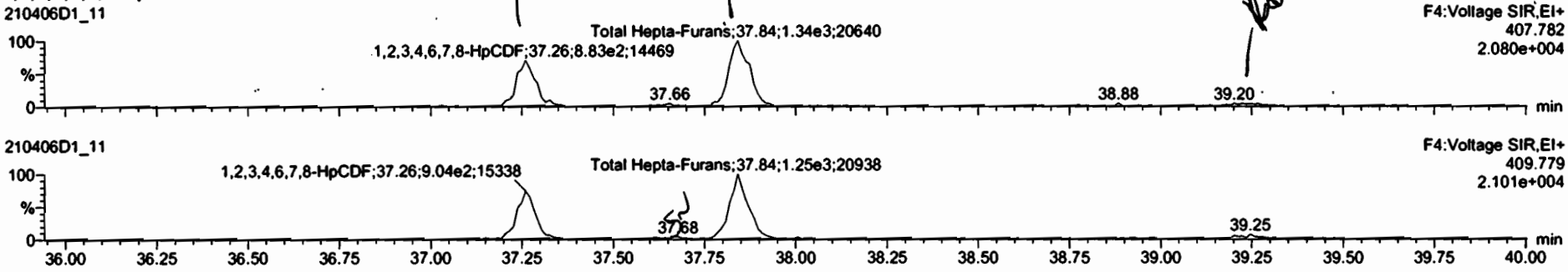
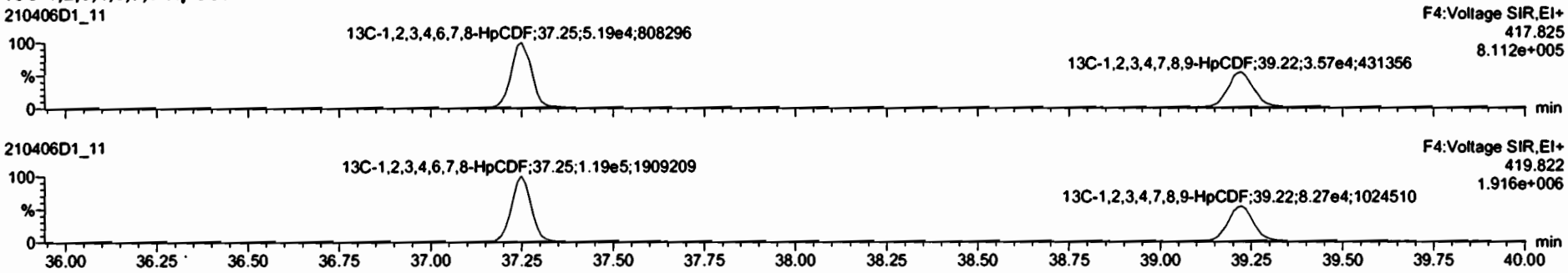
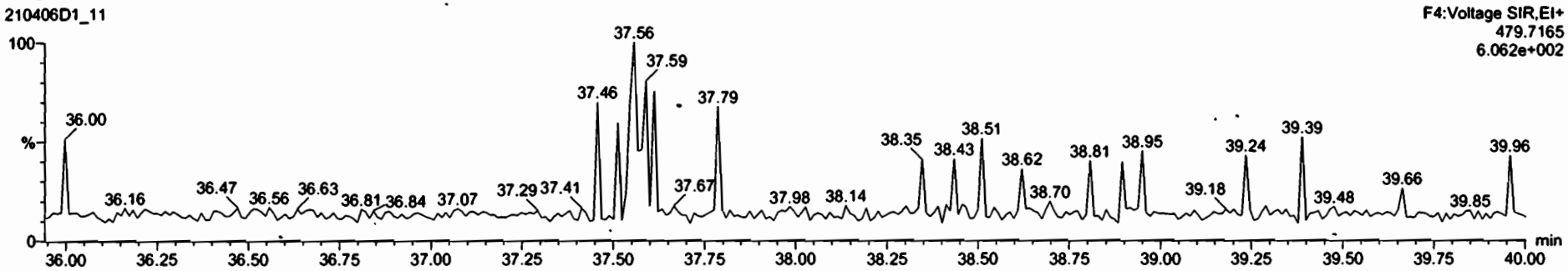
1,2,3,4,6,7,8-HpCDF

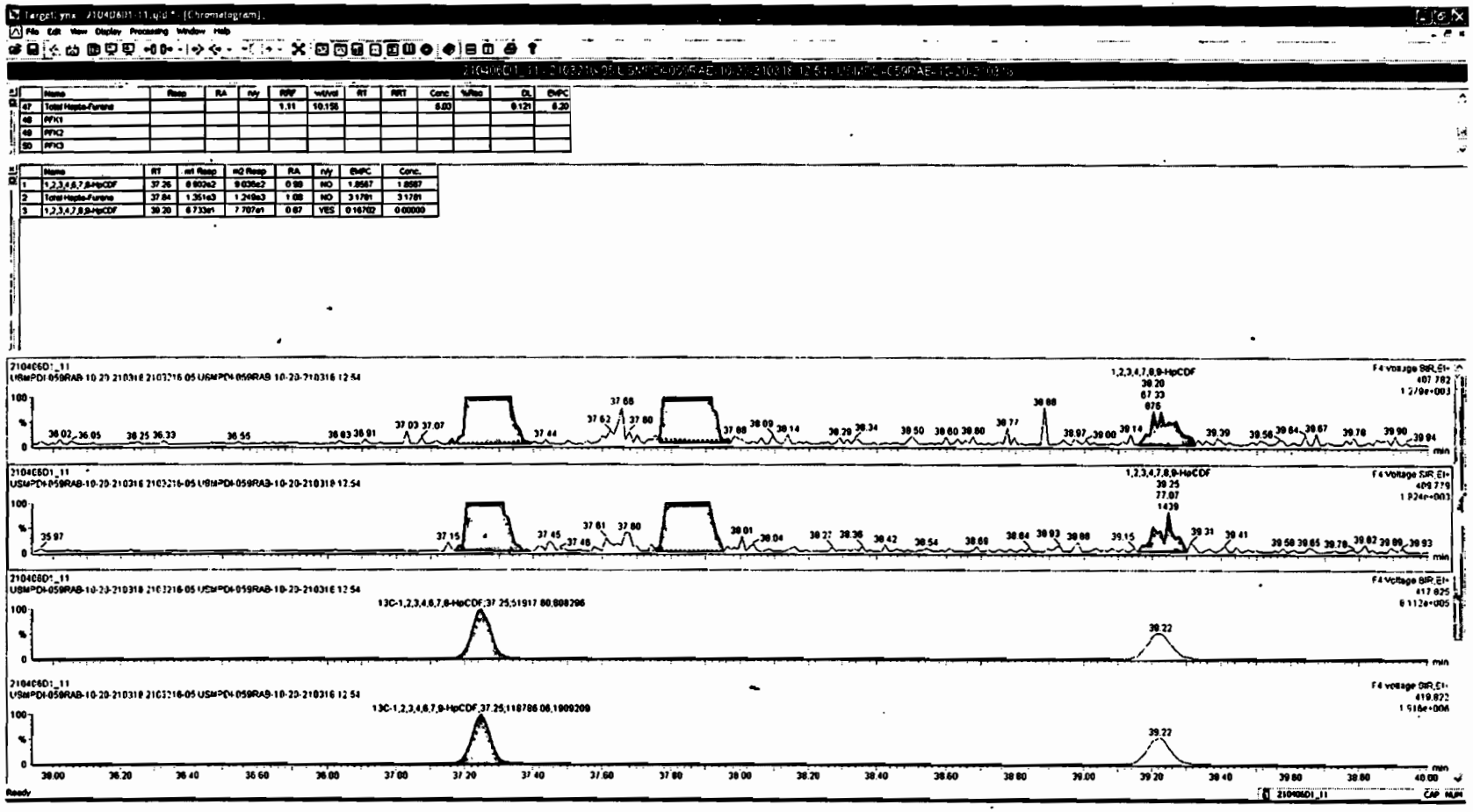


13C-1,2,3,4,6,7,8-HpCDF



DPE4





	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
47	Total Hepta-Furans				1.11	10.156			6.03		0.121	6.20
48	PFK1											
49	PFK2											
50	PFK3											

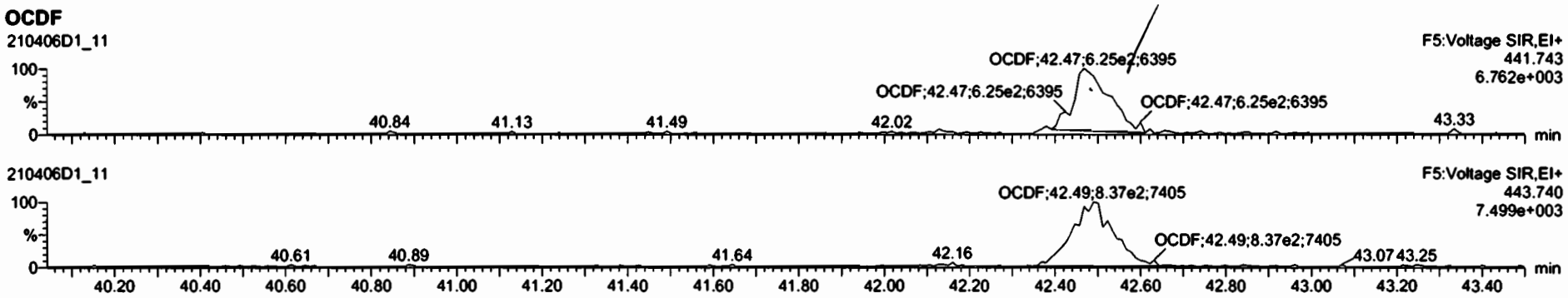
	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	1,2,3,4,6,7,8-HpCDF	37.26	8.902e2	9.036e2	0.99	NO	1.8567	1.8567
2	Total Hepta-Furans	37.84	1.351e3	1.249e3	1.08	NO	3.1781	3.1781
3	1,2,3,4,7,8,9-HpCDF	39.20	6.733e1	7.707e1	0.87	YES	0.16702	0.00000

Dataset: Untitled

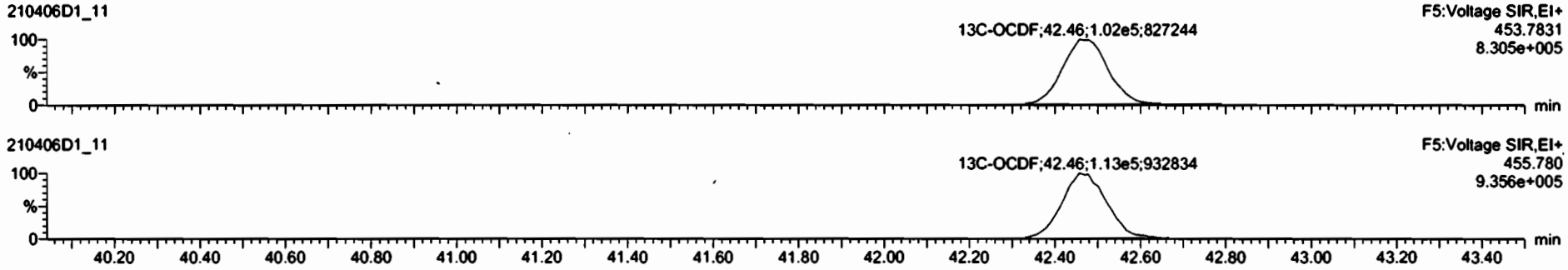
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_11, Date: 06-Apr-2021, Time: 16:04:12, ID: 2103216-05 USMPDI-059RAB-10-20-210318 12.54, Description: USMPDI-059RAB-10-20-210318

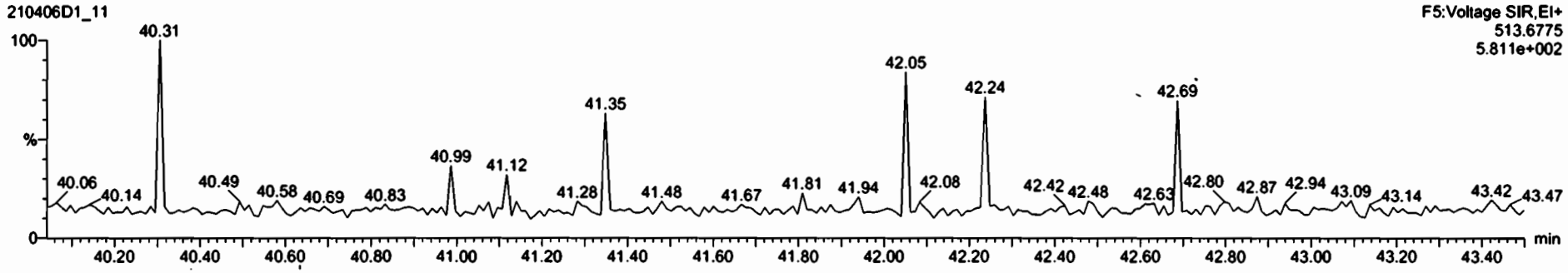
OCDF

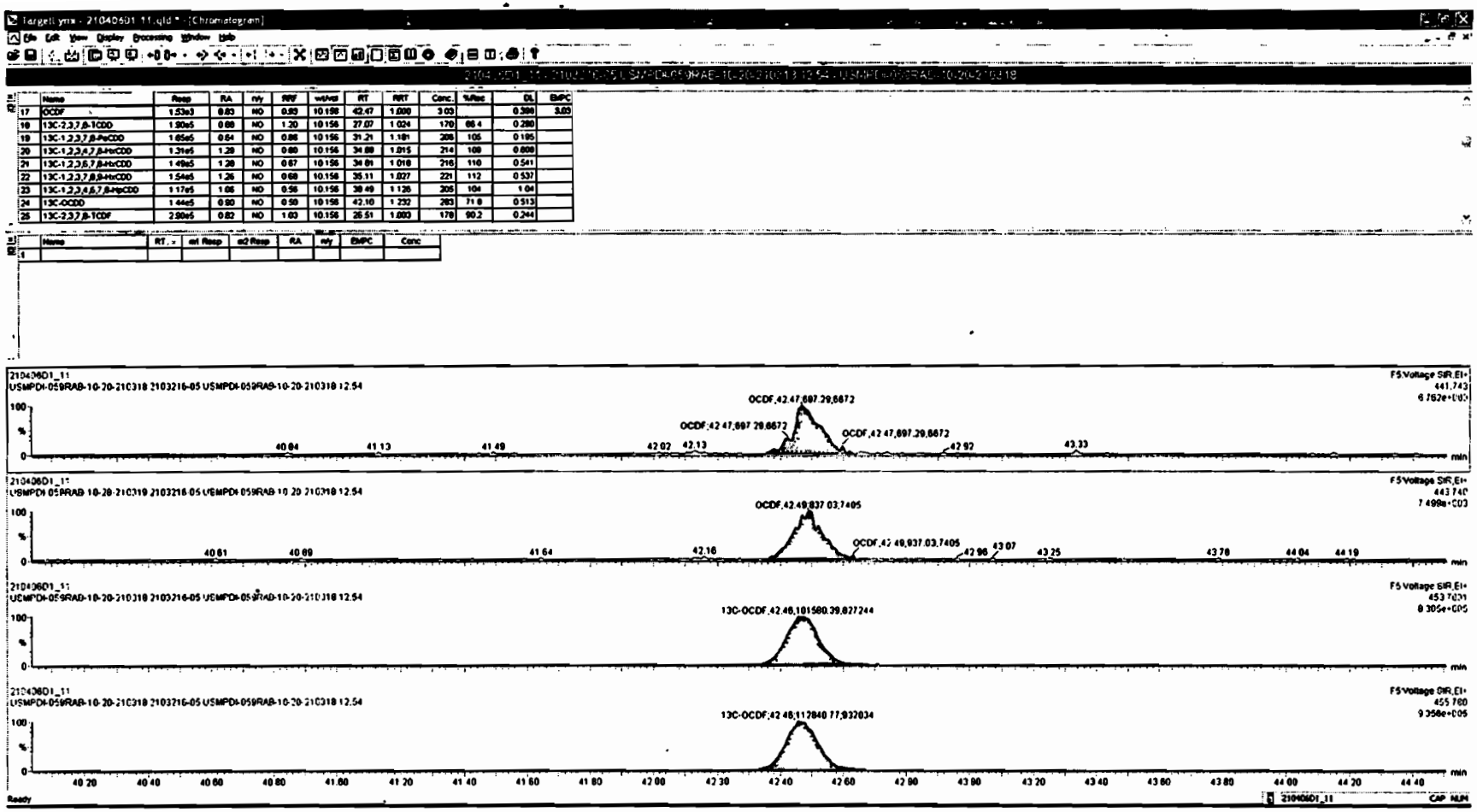


13C-OCDF



DPE5





	Name	Resp	RA	rdy	RRF	wtAvg	RT	RRT	Conc.	%Rec	DL	EMPC
17	OCDF	1.53e3	0.83	NO	0.83	10.158	42.47	1.000	3.03		0.398	3.03
18	13C-2,3,7,8-TCDD	1.80e5	0.88	NO	1.20	10.156	27.07	1.024	170	85.4	0.280	
19	13C-1,2,3,7,8-PeCDD	1.65e5	0.84	NO	0.86	10.156	31.21	1.181	208	105	0.195	
20	13C-1,2,3,4,7,8-HxCDD	1.31e5	1.28	NO	0.80	10.156	34.89	1.015	214	108	0.800	
21	13C-1,2,3,6,7,8-HxCDD	1.49e5	1.28	NO	0.67	10.156	34.81	1.018	216	110	0.541	
22	13C-1,2,3,7,8,9-HxCDD	1.54e5	1.26	NO	0.68	10.156	35.11	1.027	221	112	0.537	
23	13C-1,2,3,4,6,7,8-HpCDD	1.17e5	1.08	NO	0.58	10.156	38.49	1.126	205	104	1.04	
24	13C-OCDD	1.44e5	0.90	NO	0.50	10.156	42.10	1.232	283	71.8	0.513	
25	13C-2,3,7,8-TCDF	2.80e5	0.82	NO	1.03	10.156	26.51	1.000	170	90.2	0.244	

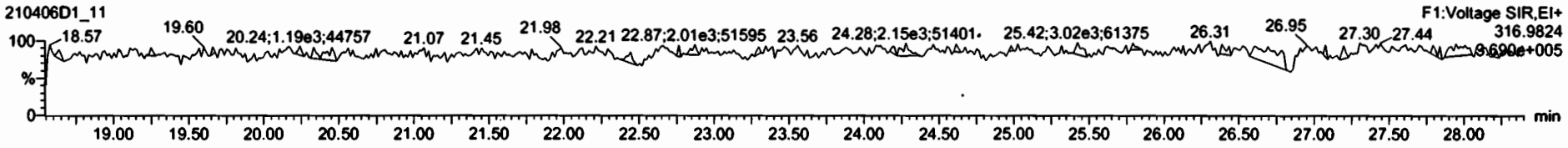
	Name	RT	rel Resp	rel2 Resp	RA	rdy	EMPC	Conc
1								

Dataset: Untitled

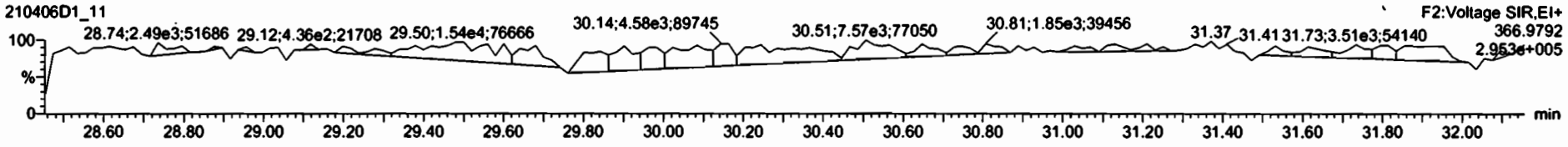
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_11, Date: 06-Apr-2021, Time: 16:04:12, ID: 2103216-05 USMPDI-059RAB-10-20-210318 12.54, Description: USMPDI-059RAB-10-20-210318

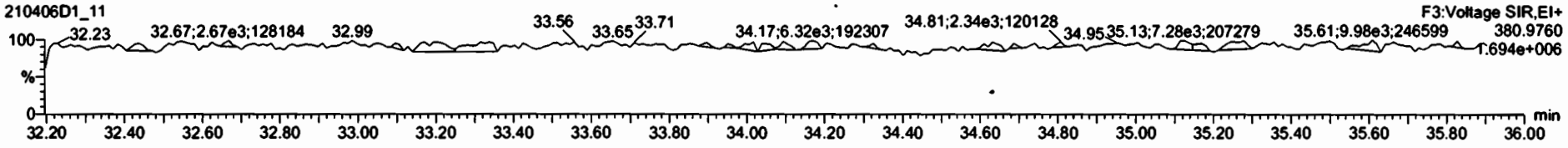
PFK1



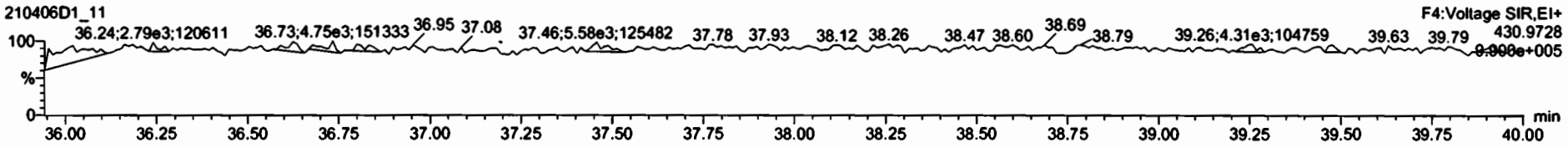
PFK2



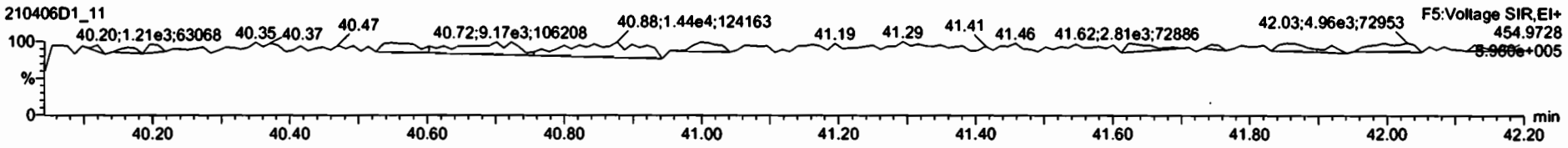
PFK3



PFK4



PFK5



Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-12.qld

Last Altered: Wednesday, April 07, 2021 4:30:04 PM Pacific Daylight Time
Printed: Wednesday, April 07, 2021 4:31:30 PM Pacific Daylight Time

4.7.21 C 04/21/2021

Method: Untitled 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210406D1_12, Date: 06-Apr-2021, Time: 16:50:51, ID: 2103216-06 USMPDI-059RAB-20-25.5-210318 12.54, Description: USMPDI-059RAB-20-25.5-210318, Task: ST210406D1-2

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD			NO	0.998	10.188					0.0602	
2	1,2,3,7,8-PeCDD	7.21e1	0.82	YES	0.961	10.188	31.23	1.000	0.10412		0.173	0.0935
3	1,2,3,4,7,8-HxCDD	9.02e1	0.96	YES	1.18	10.188	34.70	1.001	0.13803		0.184	0.118
4	1,2,3,6,7,8-HxCDD	3.06e2	1.27	NO	1.04	10.188	34.81	1.000	0.47766		0.200	0.478
5	1,2,3,7,8,9-HxCDD	2.42e2	1.84	YES	1.06	10.188	35.14	1.001	0.35910		0.208	0.284
6	1,2,3,4,6,7,8-HpCDD	6.09e3	1.02	NO	1.06	10.188	38.50	1.000	12.030		0.479	12.0
7	OCDD	3.57e4	0.90	NO	0.977	10.188	42.90	1.001	145.61		7.80	146
8	2,3,7,8-TCDF	3.11e2	0.73	NO	0.989	10.188	26.52	1.001	0.20784		0.0658	0.208
9	1,2,3,7,8-PeCDF	3.02e2	1.57	NO	1.02	10.188	30.12	1.001	0.25380		0.0921	0.254
10	2,3,4,7,8-PeCDF	6.01e2	1.45	NO	1.17	10.188	31.09	1.001	0.46616		0.0926	0.466
11	1,2,3,4,7,8-HxCDF	6.31e2	1.21	NO	1.14	10.188	33.71	1.001	0.60962		0.129	0.610
12	1,2,3,6,7,8-HxCDF	2.55e2	1.09	NO	1.04	10.188	33.86	1.001	0.24698		0.140	0.247
13	2,3,4,6,7,8-HxCDF	3.91e2	1.04	YES	1.13	10.188	34.57	1.000	0.38396		0.135	0.353
14	1,2,3,7,8,9-HxCDF	1.34e2	1.27	NO	1.07	10.188	35.71	1.001	0.14622		0.172	0.146
15	1,2,3,4,6,7,8-HpCDF	1.97e3	1.05	NO	1.11	10.188	37.25	1.000	2.4527		0.106	2.45
16	1,2,3,4,7,8,9-HpCDF			NO	1.32	10.188					0.226	
17	OCDF	1.96e3	0.96	NO	0.931	10.188	43.24	1.000	5.5703		1.40	5.57
18	13C-2,3,7,8-TCDD	1.87e5	0.88	NO	1.20	10.188	27.09	1.024	195.41	99.5	0.299	
19	13C-1,2,3,7,8-PeCDD	1.41e5	0.62	NO	0.864	10.188	31.23	1.181	205.33	105	0.270	
20	13C-1,2,3,4,7,8-HxCDD	1.12e5	1.31	NO	0.600	10.188	34.66	1.014	227.87	116	0.753	
21	13C-1,2,3,6,7,8-HxCDD	1.21e5	1.29	NO	0.674	10.188	34.80	1.018	218.28	111	0.670	
22	13C-1,2,3,7,8,9-HxCDD	1.25e5	1.32	NO	0.679	10.188	35.11	1.027	223.46	114	0.665	
23	13C-1,2,3,4,6,7,8-HpCDD	9.38e4	1.08	NO	0.558	10.188	38.49	1.126	204.31	104	1.10	
24	13C-OCDD	9.85e4	0.90	NO	0.496	10.188	42.87	1.254	241.46	61.5	2.66	
25	13C-2,3,7,8-TCDF	2.97e5	0.82	NO	1.03	10.188	26.51	1.002	212.20	108	0.336	
26	13C-1,2,3,7,8-PeCDF	2.29e5	1.59	NO	0.805	10.188	30.10	1.138	207.87	106	0.547	
27	13C-2,3,4,7,8-PeCDF	2.16e5	1.63	NO	0.748	10.188	31.05	1.174	211.25	108	0.589	
28	13C-1,2,3,4,7,8-HxCDF	1.79e5	0.51	NO	0.968	10.188	33.69	0.986	224.37	114	0.650	
29	13C-1,2,3,6,7,8-HxCDF	1.95e5	0.49	NO	1.08	10.188	33.84	0.990	218.03	111	0.581	
30	13C-2,3,4,6,7,8-HxCDF	1.77e5	0.52	NO	0.960	10.188	34.56	1.011	224.56	114	0.656	

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-12.qld

Last Altered: Wednesday, April 07, 2021 4:30:04 PM Pacific Daylight Time
Printed: Wednesday, April 07, 2021 4:31:30 PM Pacific Daylight Time

Name: 210406D1_12, Date: 06-Apr-2021, Time: 16:50:51, ID: 2103216-06 USMPDI-059RAB-20-25.5-210318 12.54, Description: USMPDI-059RAB-20-25.5-210318, Task: ST210406D1-2

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	1.68e5	0.50	NO	0.869	10.188	35.67	1.044	234.54	119	0.725	
32	13C-1,2,3,4,6,7,8-HpCDF	1.41e5	0.44	NO	0.794	10.188	37.25	1.090	216.25	110	1.03	
33	13C-1,2,3,4,7,8,9-HpCDF	9.28e4	0.43	NO	0.586	10.188	39.28	1.149	192.51	98.1	1.39	
34	13C-OCDF	1.49e5	0.92	NO	0.711	10.188	43.22	1.265	254.19	64.7	1.10	
35	37Cl-2,3,7,8-TCDD	7.73e4			1.11	10.188	27.10	1.025	87.623	112	0.0475	
36	13C-1,2,3,4-TCDD	1.57e5	0.73	NO	1.00	10.188	26.45	1.000	196.32	100	0.360	
37	13C-1,2,3,4-TCDF	2.68e5	0.84	NO	1.00	10.188	25.23	1.000	196.32	100	0.344	
38	13C-1,2,3,4,6,9-HxCDF	1.61e5	0.49	NO	1.00	10.188	34.18	1.000	196.32	100	0.630	
39	Total Tetra-Dioxins				0.998	10.188			0.17711		0.0602	0.498
40	Total Penta-Dioxins				0.961	10.188			0.66604		0.173	1.10
41	Total Hexa-Dioxins				1.04	10.188			2.4403		0.207	2.84
42	Total Hepta-Dioxins				1.06	10.188			27.300		0.479	27.3
43	Total Tetra-Furans				0.989	10.188			0.52451		0.0658	2.19
44	1st Func. Penta-Furans				1.02	10.188			2.1578		0.0252	2.16
45	Total Penta-Furans				1.02	10.188			2.2260		0.0990	2.81 P
46	Total Hexa-Furans				1.13	10.188			5.4314		0.139	5.78
47	Total Hepta-Furans				1.11	10.188			7.6236		0.170	7.62

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-12.qld

Last Altered: Wednesday, April 07, 2021 4:30:04 PM Pacific Daylight Time
Printed: Wednesday, April 07, 2021 4:31:30 PM Pacific Daylight Time

Method: Untitled 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210406D1_12, Date: 06-Apr-2021, Time: 16:50:51, ID: 2103216-06 USMPDI-059RAB-20-25.5-210318 12.54, Description: USMPDI-059RAB-20-25.5-210318, Task: ST210406D1-2

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Tetra-Dioxins	24.02	1.485e3	1.266e3	7.216e1	9.648e1	0.75	NO	1.686e2	0.17711	0.17711	0.0602
2	Total Tetra-Dioxins	24.29	1.129e3	1.209e3	7.134e1	6.679e1	1.07	YES	0.000e0	0.00000	0.12415	0.0602
3	Total Tetra-Dioxins	25.36	1.113e3	1.552e3	7.267e1	7.973e1	0.91	YES	0.000e0	0.00000	0.14822	0.0602
4	Total Tetra-Dioxins	25.73	6.110e2	9.780e2	2.641e1	2.625e1	1.01	YES	0.000e0	0.00000	0.048788	0.0602

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Penta-Dioxins	29.20	1.480e3	1.916e3	8.498e1	1.559e2	0.54	NO	2.409e2	0.34795	0.34795	0.173
2	Total Penta-Dioxins	29.64	8.710e2	1.349e3	3.708e1	6.003e1	0.62	NO	9.711e1	0.14024	0.14024	0.173
3	Total Penta-Dioxins	29.74	6.080e2	2.314e3	3.559e1	1.766e2	0.20	YES	0.000e0	0.00000	0.13297	0.173
4	Total Penta-Dioxins	30.24	7.940e2	1.044e3	3.666e1	4.735e1	0.77	YES	0.000e0	0.00000	0.11147	0.173
5	Total Penta-Dioxins	30.30	6.390e2	1.082e3	2.546e1	4.135e1	0.62	NO	0.000e0	0.00000	0.096484	0.173
6	Total Penta-Dioxins	30.49	6.320e2	1.451e3	4.615e1	7.700e1	0.60	NO	1.231e2	0.17784	0.17784	0.173
7	1,2,3,7,8-PeCDD	31.23	6.840e2	1.239e3	3.239e1	3.971e1	0.82	YES	7.209e1	0.00000	0.093470	0.173

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hexa-Dioxins	32.91	1.155e4	7.772e3	5.831e2	4.457e2	1.31	NO	1.029e3	1.6262	1.6262	0.207
2	Total Hexa-Dioxins	33.53	1.914e3	1.738e3	1.127e2	1.002e2	1.13	NO	2.129e2	0.33647	0.33647	0.207
3	1,2,3,4,7,8-HxCDD	34.70	8.370e2	8.170e2	4.413e1	4.606e1	0.96	YES	9.020e1	0.00000	0.11758	0.184
4	1,2,3,6,7,8-HxCDD	34.81	3.310e3	2.268e3	1.713e2	1.350e2	1.27	NO	3.063e2	0.47766	0.47766	0.200
5	1,2,3,7,8,9-HxCDD	35.14	2.882e3	1.462e3	1.565e2	8.522e1	1.84	YES	2.417e2	0.00000	0.28362	0.208

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-12.qld

Last Altered: Wednesday, April 07, 2021 4:30:04 PM Pacific Daylight Time
Printed: Wednesday, April 07, 2021 4:31:30 PM Pacific Daylight Time

Name: 210406D1_12, Date: 06-Apr-2021, Time: 16:50:51, ID: 2103216-06 USMPDI-059RAB-20-25.5-210318 12.54, Description: USMPDI-059RAB-20-25.5-210318, Task: ST210406D1-2

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.57	5.827e4	5.387e4	3.935e3	3.797e3	1.04	NO	7.732e3	15.270	15.270	0.479
2	1,2,3,4,6,7,8-HpCDD	38.50	4.048e4	3.748e4	3.079e3	3.013e3	1.02	NO	6.091e3	12.030	12.030	0.479

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	22.73	8.520e2	1.239e3	6.406e1	9.669e1	0.66	NO	1.608e2	0.10734	0.10734	0.0658
2	Total Tetra-Furans	23.36	4.574e3	3.973e3	3.401e2	3.027e2	1.12	YES	0.000e0	0.00000	0.35775	0.0658
3	Total Tetra-Furans	24.11	1.387e3	1.981e3	1.372e2	1.530e2	0.90	YES	0.000e0	0.00000	0.18086	0.0658
4	Total Tetra-Furans	24.40	2.536e3	3.224e3	1.600e2	1.783e2	0.90	YES	0.000e0	0.00000	0.21078	0.0658
5	Total Tetra-Furans	25.33	3.547e3	3.137e3	2.832e2	2.895e2	0.98	YES	0.000e0	0.00000	0.34219	0.0658
6	Total Tetra-Furans	25.55	8.250e2	1.154e3	5.123e1	7.206e1	0.71	NO	1.233e2	0.082325	0.082325	0.0658
7	Total Tetra-Furans	25.70	1.749e3	2.160e3	1.526e2	1.416e2	1.08	YES	0.000e0	0.00000	0.16735	0.0658
8	Total Tetra-Furans	26.42	1.721e3	1.449e3	8.225e1	8.372e1	0.98	YES	0.000e0	0.00000	0.098951	0.0658
9	2,3,7,8-TCDF	26.52	3.130e3	3.352e3	1.311e2	1.801e2	0.73	NO	3.113e2	0.20784	0.20784	0.0658
10	Total Tetra-Furans	26.80	1.441e3	1.229e3	8.176e1	1.084e2	0.75	NO	1.902e2	0.12700	0.12700	0.0658
11	Total Tetra-Furans	27.50	1.523e3	1.111e3	5.834e1	6.456e1	0.90	YES	0.000e0	0.00000	0.076303	0.0658
12	Total Tetra-Furans	27.64	2.976e3	1.814e3	1.310e2	1.329e2	0.99	YES	0.000e0	0.00000	0.15710	0.0658
13	Total Tetra-Furans	27.79	1.370e3	1.554e3	5.313e1	5.861e1	0.91	YES	0.000e0	0.00000	0.069278	0.0658

Penta-Furans function 1

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1st Func. Penta-Furans	27.79	2.938e4	1.956e4	1.513e3	9.828e2	1.54	NO	2.496e3	2.1578	2.1578	0.0252

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-12.qld

Last Altered: Wednesday, April 07, 2021 4:30:04 PM Pacific Daylight Time
Printed: Wednesday, April 07, 2021 4:31:30 PM Pacific Daylight Time

Name: 210406D1_12, Date: 06-Apr-2021, Time: 16:50:51, ID: 2103216-06 USMPDI-059RAB-20-25.5-210318 12.54, Description: USMPDI-059RAB-20-25.5-210318, Task: ST210406D1-2

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Penta-Furans	29.08	2.645e3	1.163e3	1.459e2	8.107e1	1.80	YES	0.000e0	0.00000	0.17875	0.0990
2	Total Penta-Furans	29.24	1.033e4	6.526e3	7.393e2	4.682e2	1.58	NO	1.208e3	1.0441	1.0441	0.0990
3	Total Penta-Furans	29.78	3.719e3	3.679e3	2.299e2	2.532e2	0.91	YES	0.000e0	0.00000	0.32699	0.0990
4	Total Penta-Furans	29.92	1.114e3	8.870e2	5.736e1	5.845e1	0.98	YES	0.000e0	0.00000	0.081587	0.0990
5	1,2,3,7,8-PeCDF	30.12	3.740e3	2.129e3	1.847e2	1.173e2	1.57	NO	3.020e2	0.25380	0.25380	0.0921
6	Total Penta-Furans	30.28	1.846e3	1.034e3	9.178e1	5.664e1	1.62	NO	1.484e2	0.12833	0.12833	0.0990
7	Total Penta-Furans	30.37	3.389e3	1.989e3	1.816e2	1.037e2	1.75	NO	2.852e2	0.24662	0.24662	0.0990
8	Total Penta-Furans	30.91	1.843e3	6.190e2	6.443e1	3.624e1	1.78	NO	1.007e2	0.087036	0.087036	0.0990
9	2,3,4,7,8-PeCDF	31.09	6.162e3	4.163e3	3.554e2	2.460e2	1.45	NO	6.014e2	0.46616	0.46616	0.0926

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hexa-Furans	32.33	5.372e3	3.556e3	2.416e2	2.056e2	1.18	NO	4.471e2	0.43337	0.43337	0.139
2	Total Hexa-Furans	32.52	1.964e4	1.257e4	9.904e2	7.192e2	1.38	NO	1.710e3	1.6570	1.6570	0.139
3	Total Hexa-Furans	33.19	2.168e4	1.796e4	1.184e3	1.025e3	1.15	NO	2.209e3	2.1411	2.1411	0.139
4	Total Hexa-Furans	33.59	9.680e2	1.127e3	5.500e1	5.092e1	1.08	NO	1.059e2	0.10266	0.10266	0.139
5	1,2,3,4,7,8-HxCDF	33.71	6.516e3	5.598e3	3.463e2	2.852e2	1.21	NO	6.314e2	0.60962	0.60962	0.129
6	1,2,3,6,7,8-HxCDF	33.86	2.048e3	1.918e3	1.329e2	1.221e2	1.09	NO	2.550e2	0.24698	0.24698	0.140
7	2,3,4,6,7,8-HxCDF	34.57	2.824e3	3.123e3	1.991e2	1.922e2	1.04	YES	3.913e2	0.00000	0.35293	0.135
8	1,2,3,7,8,9-HxCDF	35.71	1.641e3	1.669e3	7.521e1	5.902e1	1.27	NO	1.342e2	0.14622	0.14622	0.172
9	Total Hexa-Furans	35.74	1.244e3	1.389e3	5.372e1	4.377e1	1.23	NO	9.749e1	0.094492	0.094492	0.139

Hepta-Furans

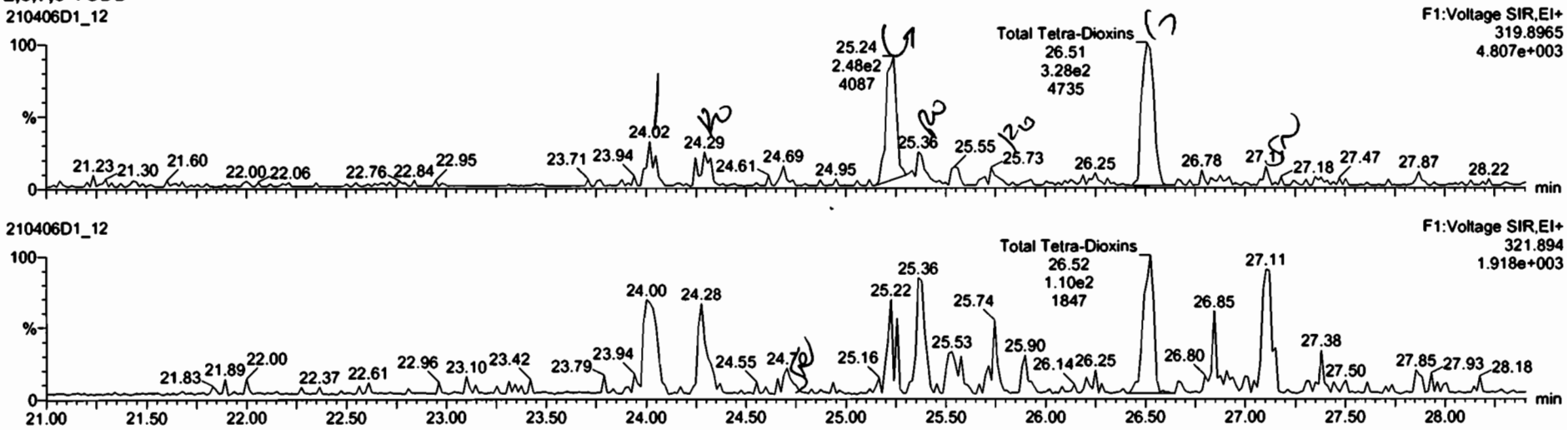
	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	37.25	1.497e4	1.602e4	1.008e3	9.587e2	1.05	NO	1.966e3	2.4527	2.4527	0.106
2	Total Hepta-Furans	37.85	2.448e4	2.425e4	1.729e3	1.706e3	1.01	NO	3.434e3	5.1709	5.1709	0.170

Dataset: Untitled

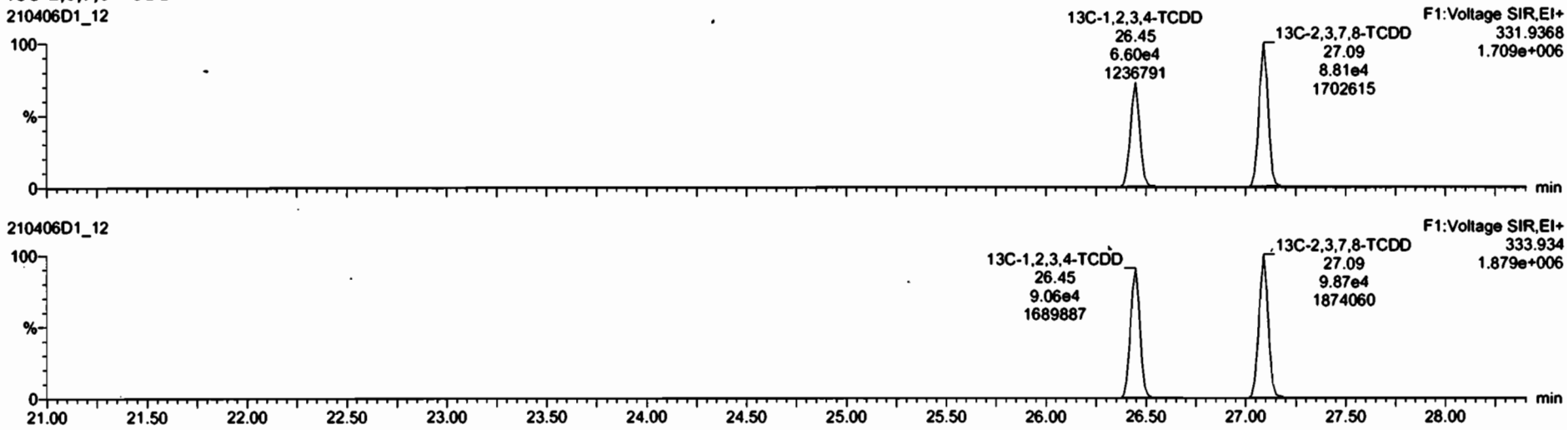
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_12, Date: 06-Apr-2021, Time: 16:50:51, ID: 2103216-06 USMPDI-059RAB-20-25.5-210318 12.54, Description: USMPDI-059RAB-20-25.5-210318

2,3,7,8-TCDD



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

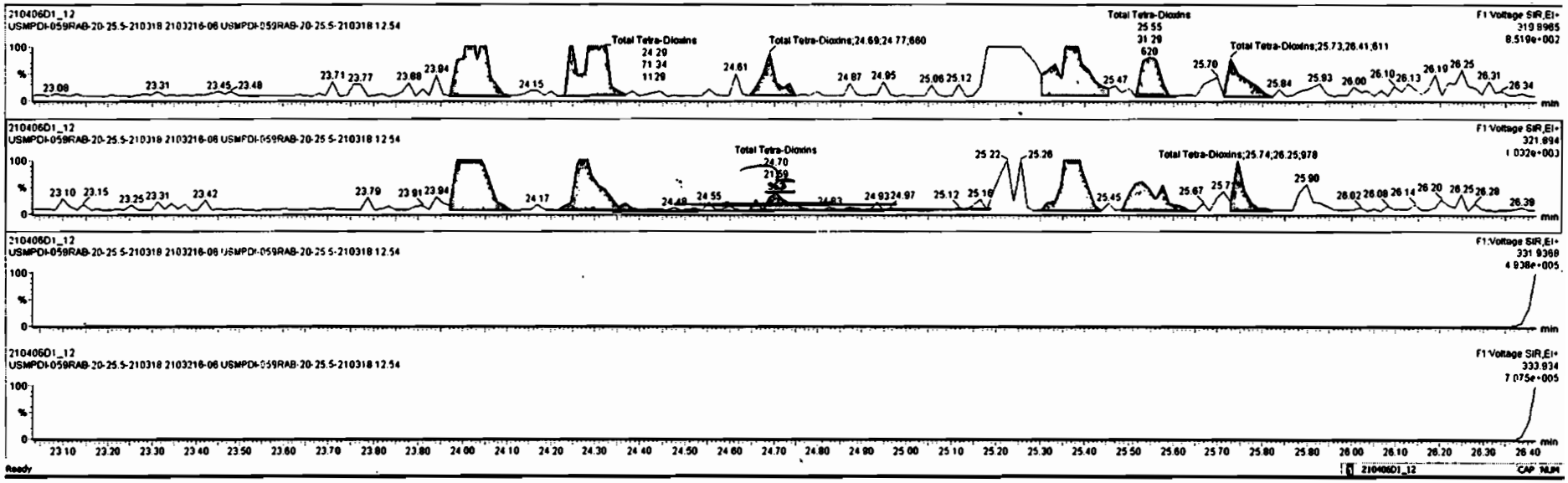


TargetLynx - 210406D1-12.qld * - [Chromatogram]

File Edit View Display Processing Window Help

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
36	13C-1,2,3,4-TCDD	1.57e5	0.73	NO	1.00	10.188	26.45	1.000	198	100	0.360	
37	13C-1,2,3,4-TCDF	2.68e5	0.84	NO	1.00	10.188	25.23	1.000	198	100	0.344	
38	13C-1,2,3,4,6,9-HxCDF	1.81e5	0.49	NO	1.00	10.188	34.18	1.000	198	100	0.839	
39	Total Tetra-Dioxins				1.00	10.188			0.257		0.0802	0.886
40	Total Penta-Dioxins				0.96	10.188			0.000		0.0629	0.710
41	Total Hexa-Dioxins				1.04	10.188			2.07		0.207	3.87
42	Total Hepta-Dioxins				1.06	10.188			27.3		0.479	27.3
43	Total Tetra-Furans				0.99	10.188			0.411		0.0858	1.27
44	1st Func Penta-Furans				1.02	10.188			2.16		0.0252	2.16

	Name	RT /	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc
1	Total Tetra-Dioxins	24.02	7.216e1	9.848e1	0.75	NO	0.17711	0.17711
2	Total Tetra-Dioxins	24.29	7.134e1	6.679e1	1.07	YES	0.12415	0.00000
3	Total Tetra-Dioxins	24.69	2.477e1	2.159e1	1.15	YES	0.040133	0.00000
4	Total Tetra-Dioxins	25.36	7.267e1	7.973e1	0.91	YES	0.14822	0.00000
5	Total Tetra-Dioxins	25.55	3.129e1	4.458e1	0.70	NO	0.079883	0.079883
6	Total Tetra-Dioxins	25.73	2.641e1	2.825e1	1.01	YES	0.048788	0.00000
7	2,3,7,8-TCDD	27.11	1.946e1	9.122e1	0.21	YES	0.048986	0.00000



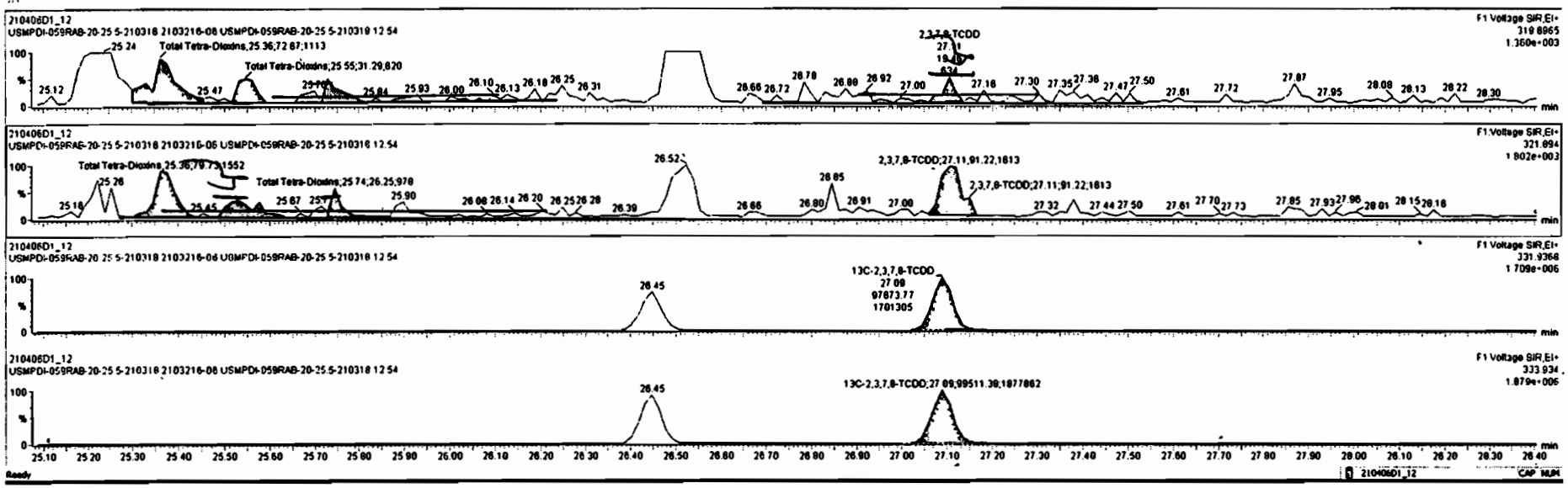
Target1.ynx - 210406D1_12.qld * - [Chromatogram]

File Edit View Display Processing Window Help

210406D1_12 - 2103216-06 USMPDI-059RAB-20-25.5-210318 12.54 - USMPDI-059RAB-20-25.5-210318

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
36	13C-1,2,3,4-TCDD	1.57e5	0.73	NO	1.00	10.188	26.45	1.000	196	100	0.360	
37	13C-1,2,3,4-TCDF	2.68e5	0.84	NO	1.00	10.188	25.23	1.000	196	100	0.344	
38	13C-1,2,3,4,6,9-HxCDF	1.61e5	0.49	NO	1.00	10.188	34.18	1.000	196	100	0.630	
39	Total Tetra-Dioxins				1.00	10.188			0.257		0.0602	0.665
40	Total Penta-Dioxins				0.96	10.188			0.000		0.0829	0.710
41	Total Hexa-Dioxins				1.04	10.188			2.07		0.207	3.87
42	Total Hepta-Dioxins				1.08	10.188			27.3		0.479	27.3
43	Total Tetra-Furans				0.99	10.188			0.411		0.0858	1.27
44	1st Func. Penta-Furans				1.02	10.188			2.16		0.0252	2.16

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.*
1	Total Tetra-Dioxins	24.02	7.216e1	9.648e1	0.75	NO	0.17711	0.17711
2	Total Tetra-Dioxins	24.29	7.134e1	6.679e1	1.07	YES	0.12415	0.00000
3	Total Tetra-Dioxins	24.69	2.477e1	2.159e1	1.15	YES	0.040133	0.00000
4	Total Tetra-Dioxins	25.36	7.267e1	7.973e1	0.91	YES	0.14822	0.00000
5	Total Tetra-Dioxins	25.55	3.129e1	4.458e1	0.70	NO	0.079883	0.079883
6	Total Tetra-Dioxins	25.73	2.641e1	2.625e1	1.01	YES	0.046788	0.00000
7	2,3,7,8-TCDD	27.11	1.946e1	9.122e1	0.21	YES	0.046986	0.00000



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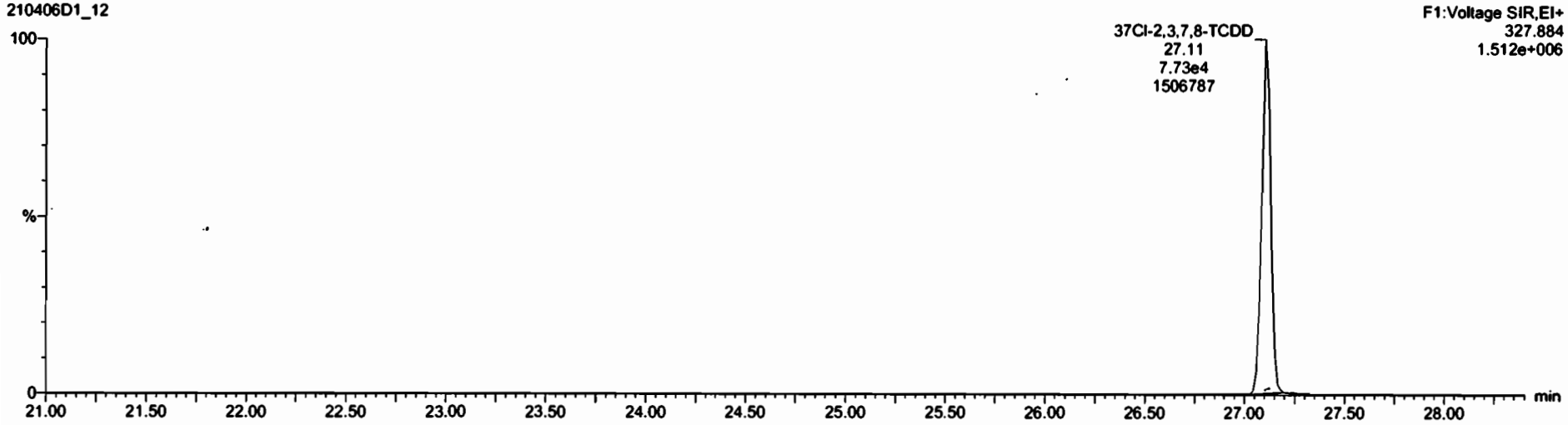
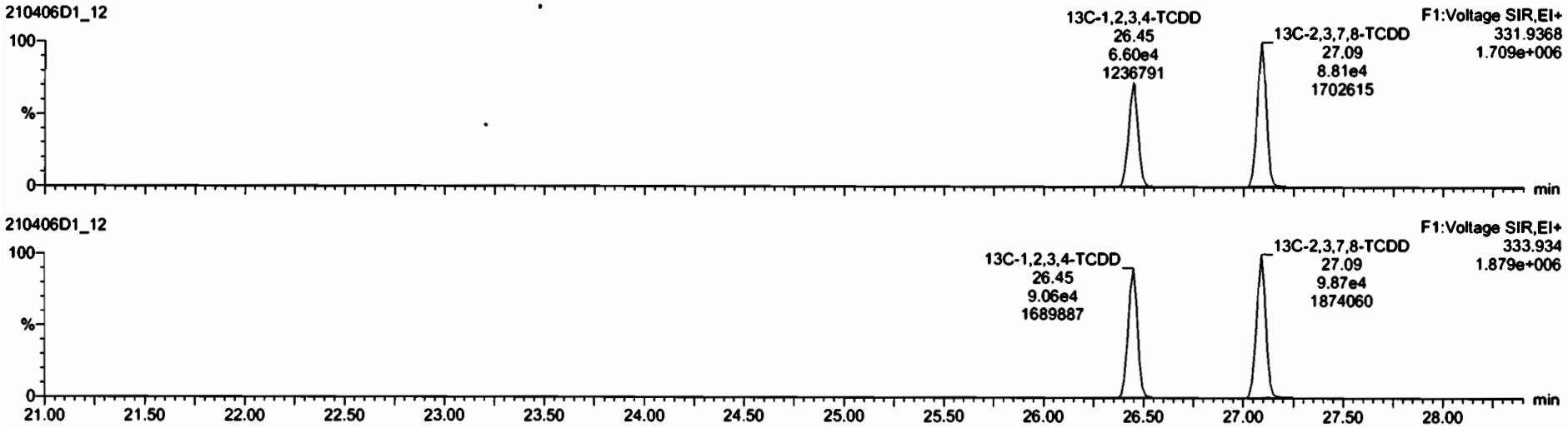
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_12, Date: 06-Apr-2021, Time: 16:50:51, ID: 2103216-06 USMPDI-059RAB-20-25.5-210318 12.54, Description: USMPDI-059RAB-20-25.5-210318

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



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



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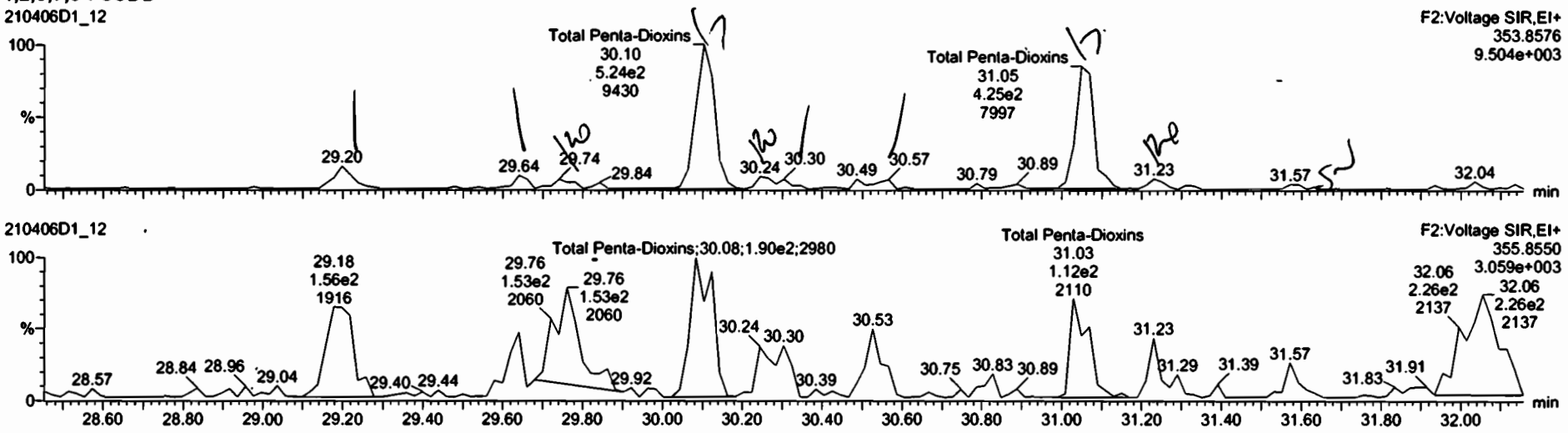
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_12, Date: 06-Apr-2021, Time: 16:50:51, ID: 2103216-06 USMPDI-059RAB-20-25.5-210318 12.54, Description: USMPDI-059RAB-20-25.5-210318

1,2,3,7,8-PeCDD



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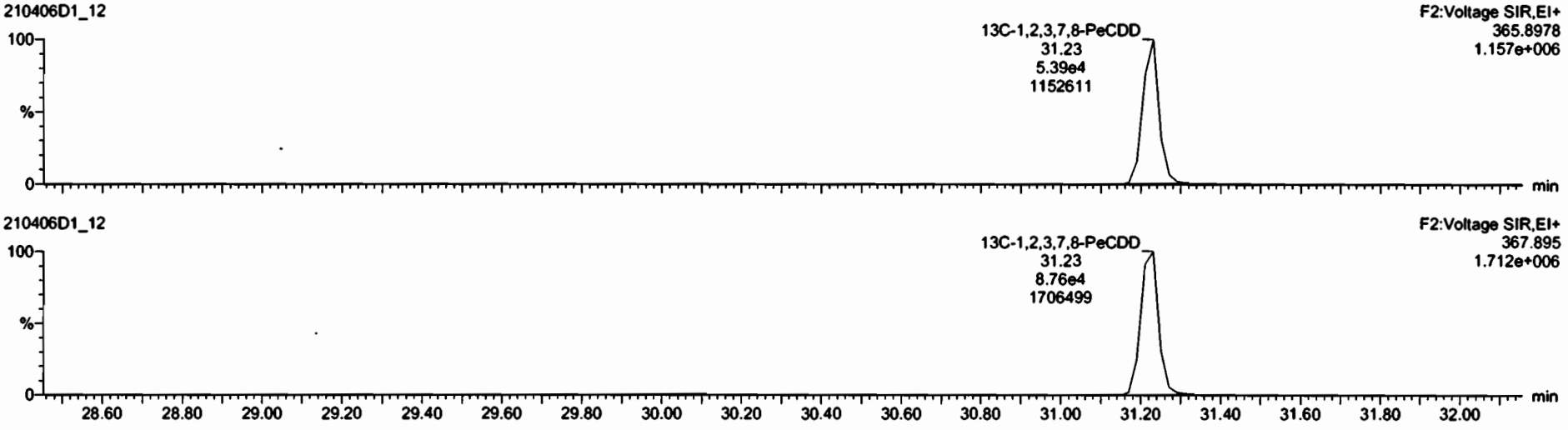

TargetLynx - 210406D1 17.qld * - [Chromatogram]

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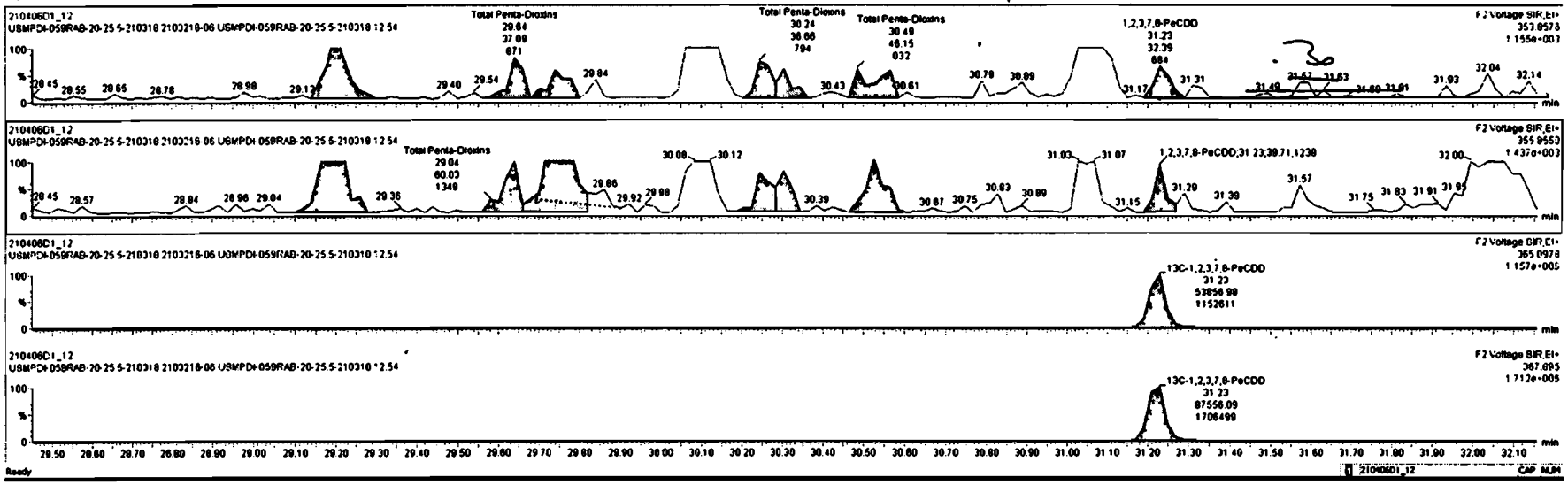
	Name	Resp	RA	n/y	RRF	w/vol	RT	RRT	Conc.	%Rec	DL	EMPC
36	13C-1,2,3,4-TCDD	1.57e5	0.73	NO	1.00	10.188	26.45	1.000	196	100	0.360	
37	13C-1,2,3,4-TCDF	2.88e5	0.84	NO	1.00	10.188	25.23	1.000	196	100	0.344	
38	13C-1,2,3,4,6,9-HxCDF	1.61e5	0.49	NO	1.00	10.188	34.18	1.000	196	100	0.630	
39	Total Tetra-Dioxins				1.00	10.188			0.177		0.0802	0.498
40	Total Penta-Dioxins				0.86	10.188			0.866		0.173	1.10
41	Total Hexa-Dioxins				1.04	10.188			2.07		0.207	3.87
42	Total Hepta-Dioxins				1.08	10.188			27.3		0.479	27.3
43	Total Tetra-Furans				0.99	10.188			0.411		0.0658	1.27
44	1st Func. Penta-Furans				1.02	10.188			2.16		0.0252	2.16

	Name	RT	mt Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Penta-Dioxins	29.20	8.498e1	1.559e2	0.54	NO	0.34795	0.34795
2	Total Penta-Dioxins	29.84	3.708e1	6.003e1	0.62	NO	0.14024	0.14024
3	Total Penta-Dioxins	29.74	3.558e1	1.786e2	0.20	YES	0.13297	0.00000
4	Total Penta-Dioxins	30.24	3.666e1	4.735e1	0.77	YES	0.11147	0.00000
5	Total Penta-Dioxins	30.30	2.546e1	4.135e1	0.62	NO	0.096494	0.00000
6	Total Penta-Dioxins	30.48	4.615e1	7.700e1	0.60	NO	0.17784	0.17784
7	1,2,3,7,8-PeCDD	31.23	3.238e1	3.971e1	0.82	YES	0.093470	0.00000



Ready

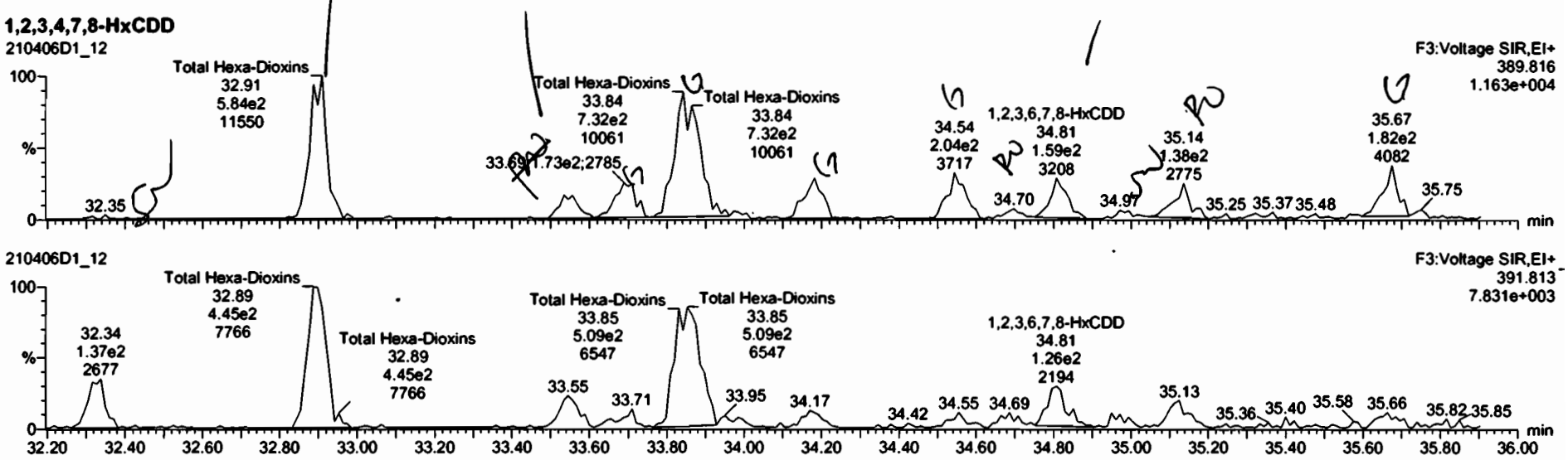
210406D1_12 CAP NUM

Dataset: Untitled

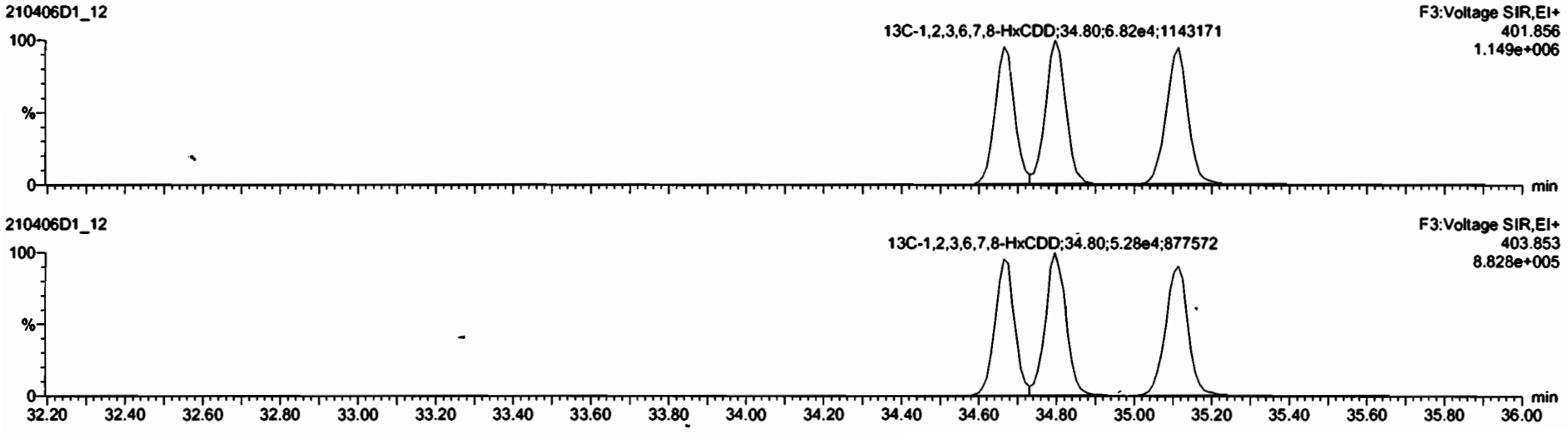
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

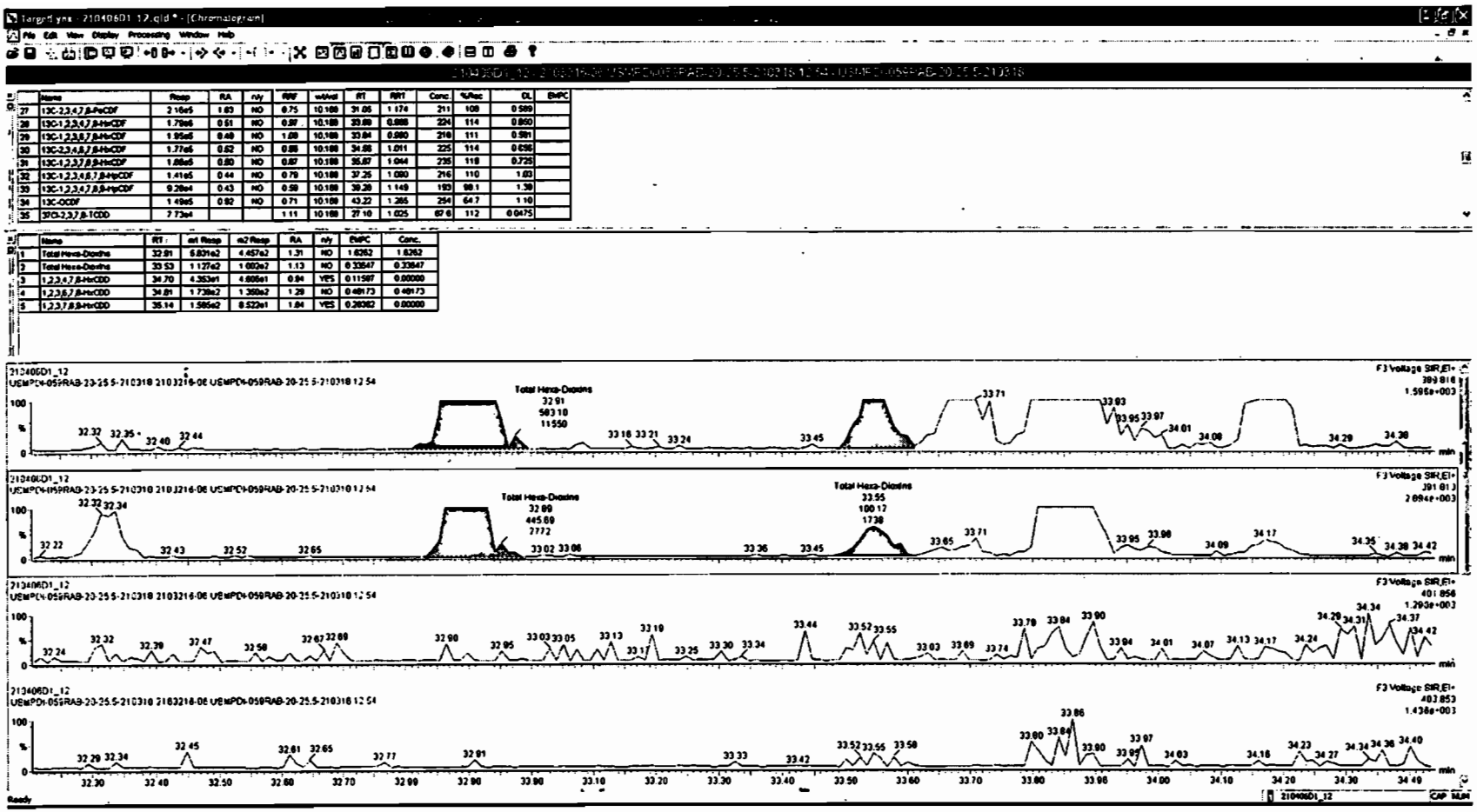
Name: 210406D1_12, Date: 06-Apr-2021, Time: 16:50:51, ID: 2103216-06 USMPDI-059RAB-20-25.5-210318 12.54, Description: USMPDI-059RAB-20-25.5-210318

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



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





	Name	Resp	RA	rdy	RRF	wAvd	RT	RRT	Conc	%Rec	DL	EMPC
27	13C-2,3,4,7,8-PeCDF	2.16e5	1.83	NO	0.75	10.188	31.06	1.174	211	106	0.589	
28	13C-1,2,3,4,7,8-HxCDF	1.79e6	0.51	NO	0.97	10.188	33.89	0.888	224	114	0.850	
29	13C-1,2,3,6,7,8-HxCDF	1.95e6	0.48	NO	1.00	10.188	33.84	0.880	210	111	0.581	
30	13C-2,3,4,6,7,8-HxCDF	1.77e6	0.52	NO	0.86	10.188	34.86	1.011	225	114	0.656	
31	13C-1,2,3,7,8,9-HxCDF	1.86e6	0.50	NO	0.87	10.188	35.87	1.044	235	118	0.725	
32	13C-1,2,3,4,6,7,8-HpCDF	1.41e6	0.44	NO	0.79	10.188	37.25	1.080	216	110	1.03	
33	13C-1,2,3,4,7,8,9-HpCDF	9.28e4	0.43	NO	0.58	10.188	38.28	1.149	193	98.1	1.39	
34	13C-OCDF	1.49e5	0.82	NO	0.71	10.188	43.22	1.265	254	64.7	1.10	
35	37Cl-2,3,7,8-TCDD	7.73e4			1.11	10.188	27.10	1.025	67.6	112	0.0475	

	Name	RT	a1 Resp	a2 Resp	RA	rdy	EMPC	Conc.
1	Total Hexa-Dioxins	32.91	6.831e2	4.457e2	1.31	NO	1.8262	1.8262
2	Total Hexa-Dioxins	33.53	1.127e2	1.002e2	1.13	NO	0.33647	0.33647
3	1,2,3,4,7,8-HxCDD	34.70	4.353e1	4.806e1	0.94	YES	0.11567	0.00000
4	1,2,3,6,7,8-HxCDD	34.81	1.738e2	1.368e2	1.29	NO	0.49173	0.49173
5	1,2,3,7,8,9-HxCDD	35.14	1.585e2	8.522e1	1.84	YES	0.28362	0.00000

TargetLynx - 210406D1-12.qld * - [Chromatogram]

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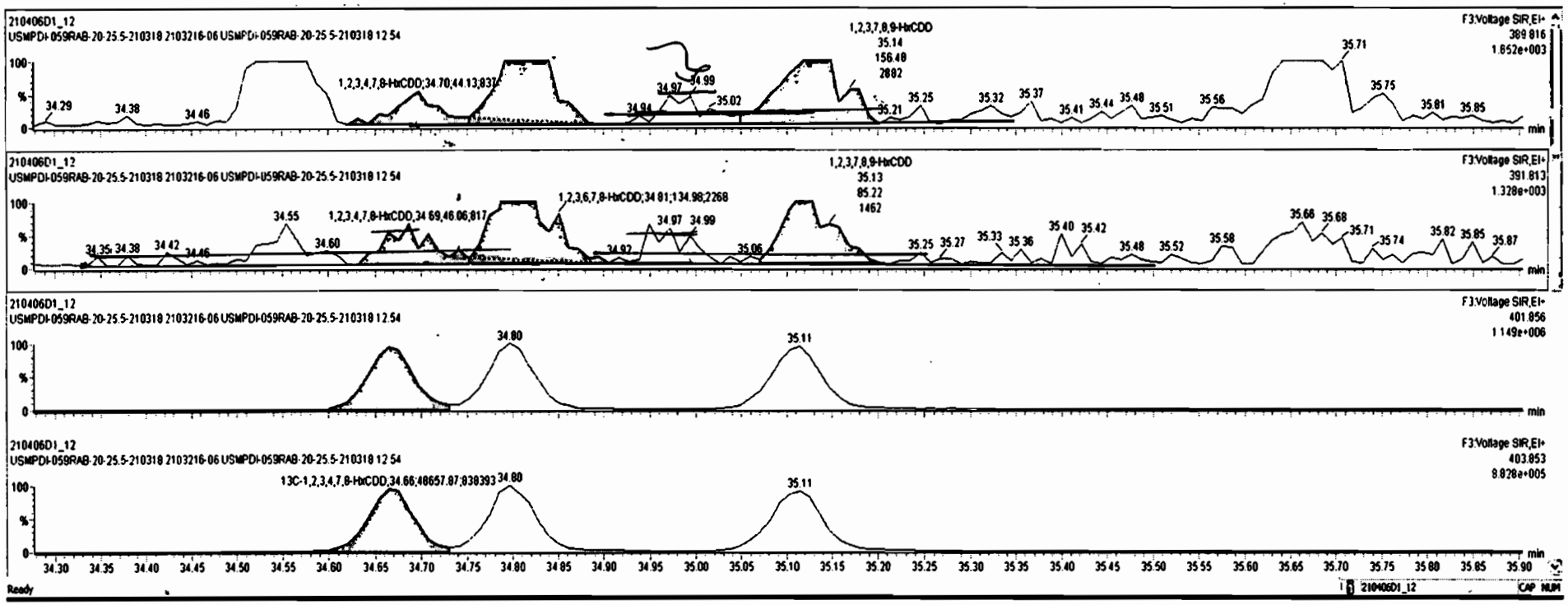
	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
27	13C-2,3,4,7,8-PeCDF	2.16e5	1.63	NO	0.75	10.188	31.05	1.174	211	108	0.589	
28	13C-1,2,3,4,7,8-HxCDF	1.79e5	0.51	NO	0.97	10.188	33.69	0.988	224	114	0.650	
29	13C-1,2,3,6,7,8-HxCDF	1.95e5	0.49	NO	1.08	10.188	33.84	0.990	218	111	0.581	
30	13C-2,3,4,6,7,8-HxCDF	1.77e5	0.52	NO	0.98	10.188	34.56	1.011	225	114	0.656	
31	13C-1,2,3,7,8,9-HxCDF	1.88e5	0.50	NO	0.87	10.188	35.67	1.044	235	119	0.725	
32	13C-1,2,3,4,6,7,8-HpCDF	1.41e5	0.44	NO	0.79	10.188	37.25	1.090	216	110	1.03	
33	13C-1,2,3,4,7,8,9-HpCDF	9.28e4	0.43	NO	0.59	10.188	39.28	1.149	193	98.1	1.39	
34	13C-OCDF	1.49e5	0.92	NO	0.71	10.188	43.22	1.265	254	64.7	1.10	
35	37Cl-2,3,7,8-TCDD	7.73e4			1.11	10.188	27.10	1.025	87.6	112	0.0475	

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Hexa-Dioxins	32.91	5.831e2	4.457e2	1.31	NO	1.6262	1.6262
2	Total Hexa-Dioxins	33.53	1.127e2	1.002e2	1.13	NO	0.33647	0.33647
3	1,2,3,4,7,8-HxCDD	34.70	4.413e1	4.606e1	0.96	YES	0.11758	0.00000
4	1,2,3,6,7,8-HxCDD	34.81	1.713e2	1.350e2	1.27	NO	0.47766	0.47766
5	1,2,3,7,8,9-HxCDD	35.14	1.565e2	8.522e1	1.84	YES	0.28362	0.00000



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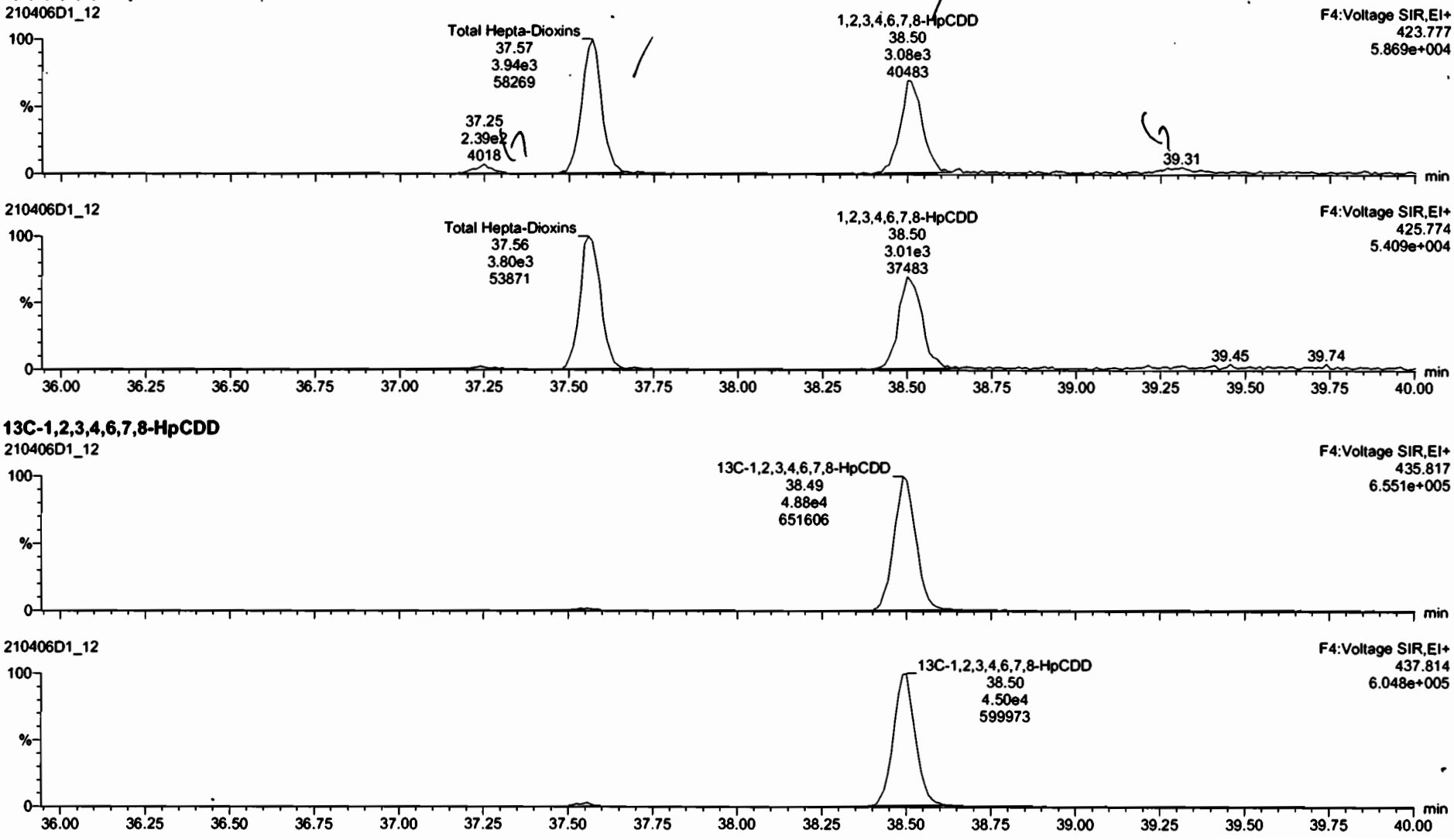
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_12, Date: 06-Apr-2021, Time: 16:50:51, ID: 2103216-06 USMPDI-059RAB-20-25.5-210318 12.54, Description: USMPDI-059RAB-20-25.5-210318

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



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

Dataset: Untitled

Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
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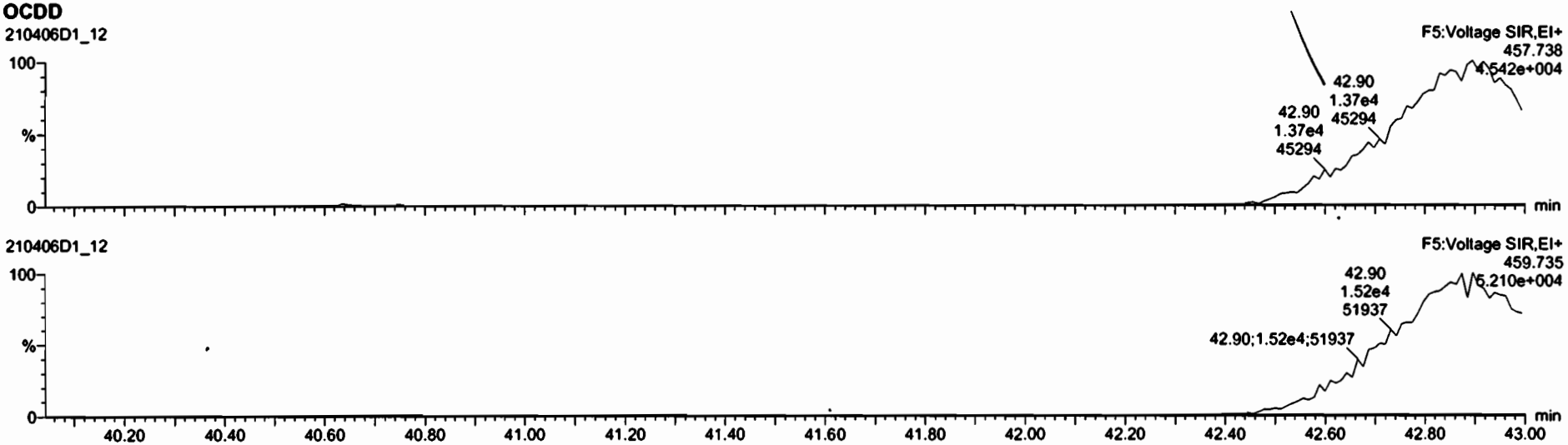
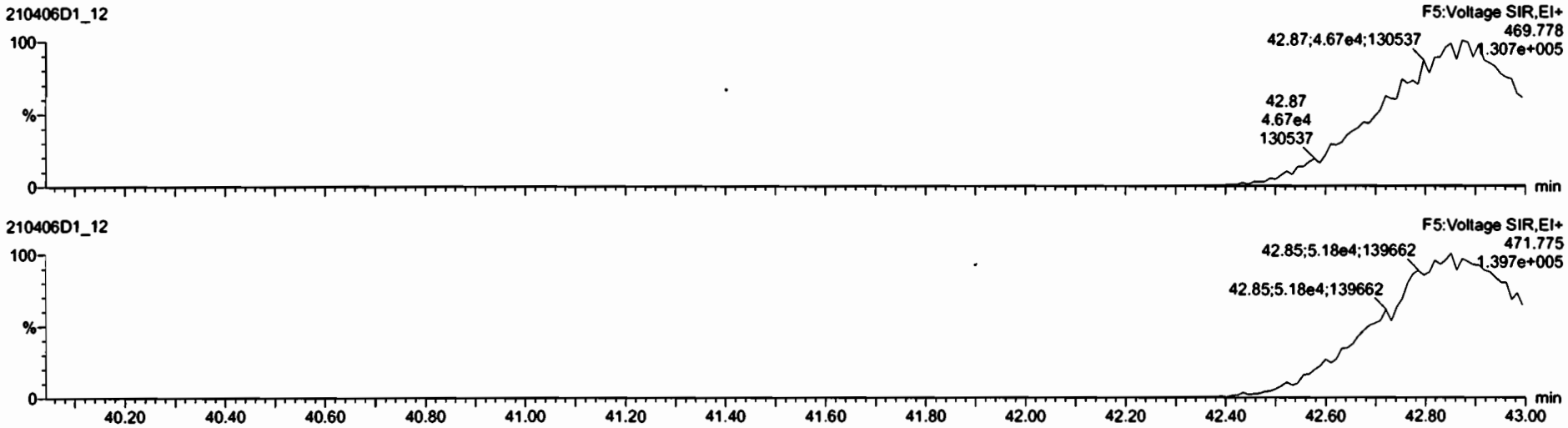
Name: 210406D1_12, Date: 06-Apr-2021, Time: 16:50:51, ID: 2103216-06 USMPDI-059RAB-20-25.5-210318 12.54, Description: USMPDI-059RAB-20-25.5-210318

OCDD



13C-OCDD



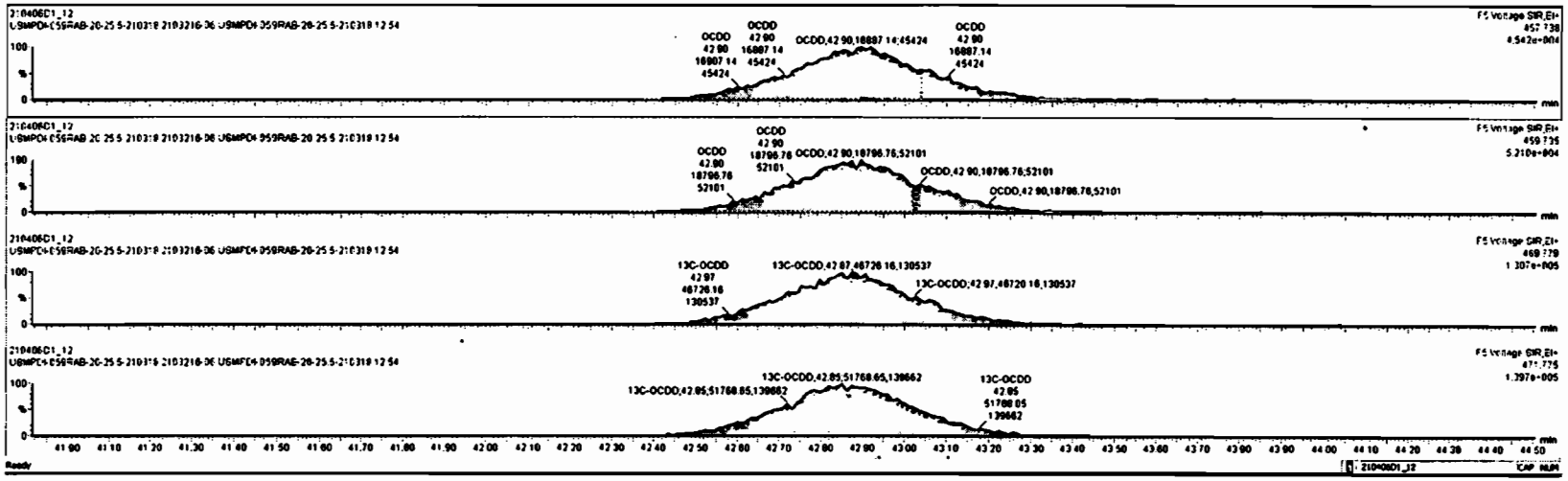
Targetlynx - 21040601_12.qld - [Chromatogram]

File Edit View Display Processing Window Help

21040601_12 - 2103216-06 USMPDI-059RAB-20-25-5-210318 12:54 - USMPDI-059RAB-20-25-5-210318

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD			NO	1.00	10.169					0.0605	
2	1,2,3,7,8-PeCDD			NO	0.96	10.169					0.173	
3	1,2,3,4,7,8-HxCDD			NO	1.18	10.169					0.184	
4	1,2,3,6,7,8-HxCDD	2.85e2	1.27	NO	1.04	10.169	34.81	1.000	0.445		0.200	0.445
5	1,2,3,7,8,9-HxCDD			NO	1.06	10.169					0.208	
6	1,2,3,4,6,7,8-HxCDD	6.09e3	1.02	NO	1.06	10.169	38.50	1.000	12.0		0.479	12.0
7	OCDD	3.57e4	0.80	NO	0.99	10.169	42.90	1.001	146		7.80	146
8	2,3,7,8-TCDF	2.87e2	0.86	NO	0.99	10.169	26.52	1.001	0.191		0.0658	0.191
9	1,2,3,7,8-PeCDF	2.87e2	1.80	NO	1.02	10.169	30.12	1.001	0.250		0.0821	0.250

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



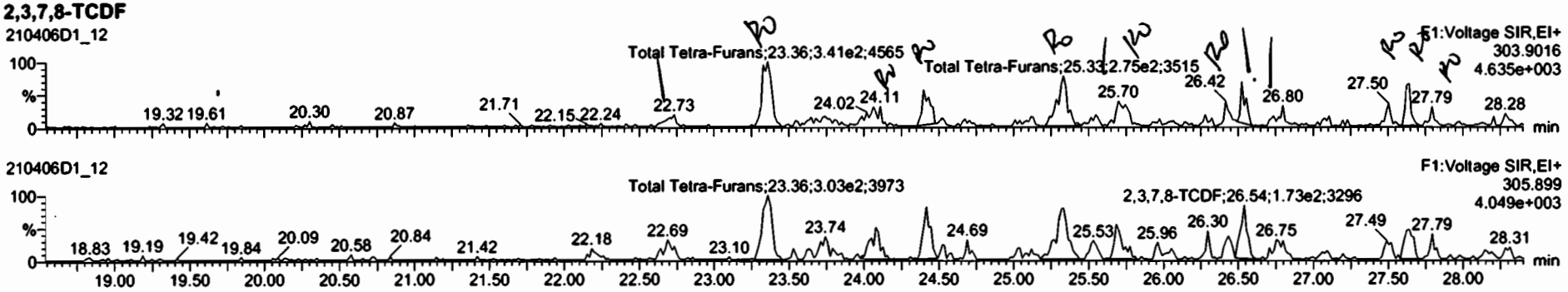
Ready

Dataset: Untitled

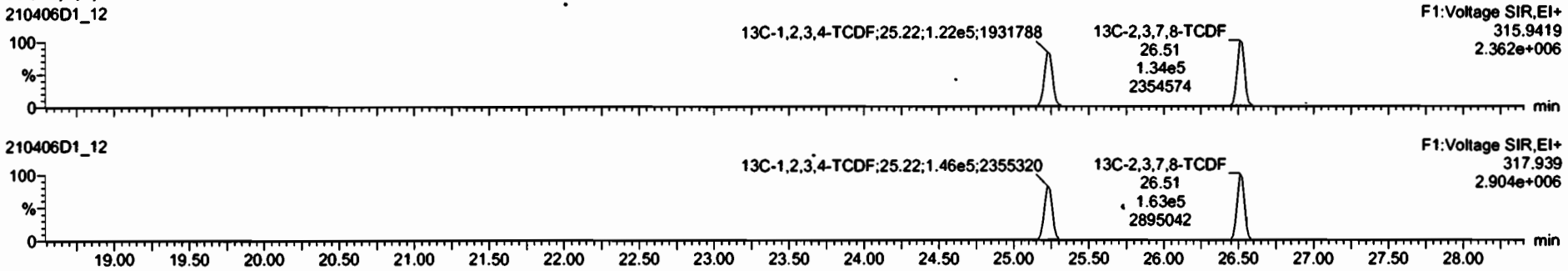
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_12, Date: 06-Apr-2021, Time: 16:50:51, ID: 2103216-06 USMPDI-059RAB-20-25.5-210318 12.54, Description: USMPDI-059RAB-20-25.5-210318

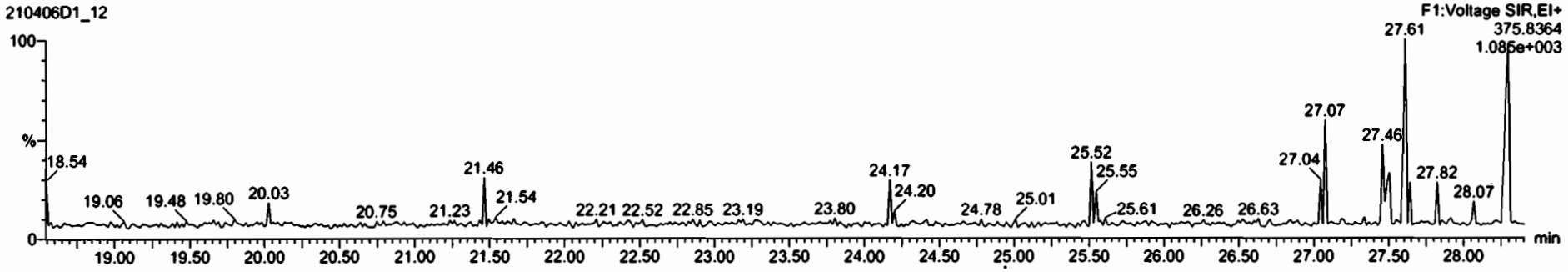
2,3,7,8-TCDF

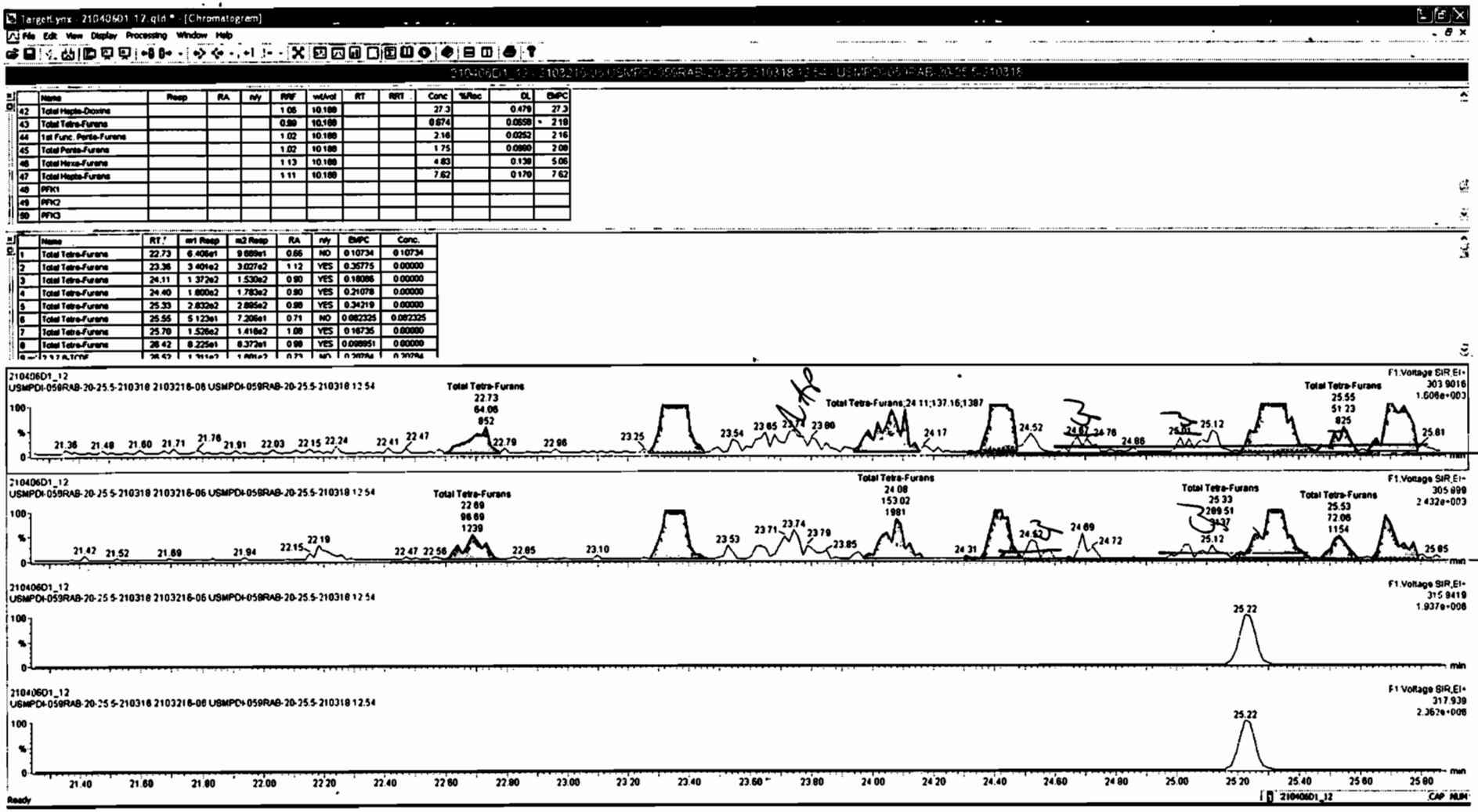


13C-2,3,7,8-TCDF



DPE1



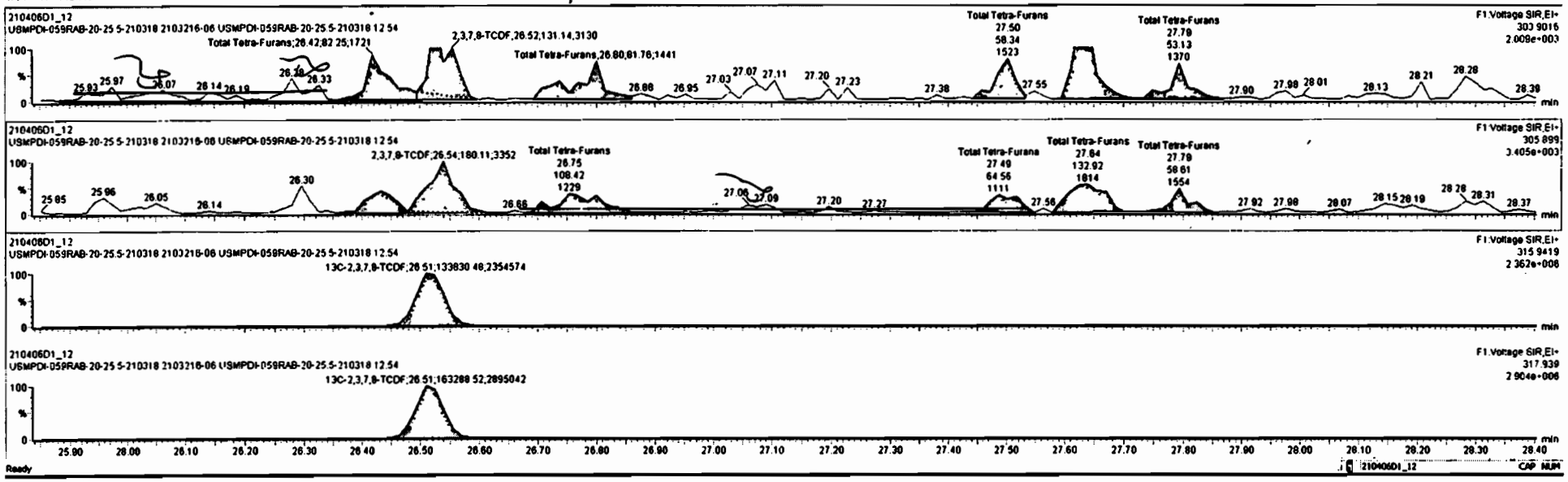

TargetLynx - 210406D1_12.qld * - [Chromatogram]
File Edit View Display Processing Window Help
Total Tetra-Furans
22.73
64.06
852
Total Tetra-Furans 24.11;137.16;1387
Total Tetra-Furans
25.55
51.23
825
Total Tetra-Furans
22.89
96.89
1239
Total Tetra-Furans
24.08
153.02
1981
Total Tetra-Furans
25.33
209.51
Total Tetra-Furans
25.53
72.06
1154
25.22
Ready

TargetLynx - 210406D1 12.qld * - [Chromatogram]

File Edit View Display Processing Window Help

	Name	Resp	RA	n/y	RRF	w/Avl	RT	RRT	Conc.	%Rec	DL	EMPC
42	Total Hepta-Dioxins				1.08	10.188			27.3		0.479	27.3
43	Total Tetra-Furans				0.99	10.188			0.525	--	0.0898	2.19
44	1st Func. Penta-Furans				1.02	10.188			2.16		0.0252	2.16
45	Total Penta-Furans				1.02	10.188			1.75		0.0990	2.08
46	Total Hexa-Furans				1.13	10.188			4.83		0.139	5.08
47	Total Hepta-Furans				1.11	10.188			7.62		0.170	7.82
48	PFK1											
49	PFK2											
50	PFK3											

	Name	RT:	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Tetra-Furans	22.73	6.406e1	9.669e1	0.66	NO	0.10734	0.10734
2	Total Tetra-Furans	23.36	3.401e2	3.027e2	1.12	YES	0.35775	0.00000
3	Total Tetra-Furans	24.11	1.372e2	1.530e2	0.90	YES	0.18086	0.00000
4	Total Tetra-Furans	24.40	1.600e2	1.783e2	0.90	YES	0.21078	0.00000
5	Total Tetra-Furans	25.33	2.832e2	2.885e2	0.98	YES	0.34219	0.00000
6	Total Tetra-Furans	25.55	5.123e1	7.206e1	0.71	NO	0.082325	0.082325
7	Total Tetra-Furans	25.70	1.526e2	1.416e2	1.08	YES	0.18735	0.00000
8	Total Tetra-Furans	26.42	8.225e1	8.372e1	0.98	YES	0.098951	0.00000



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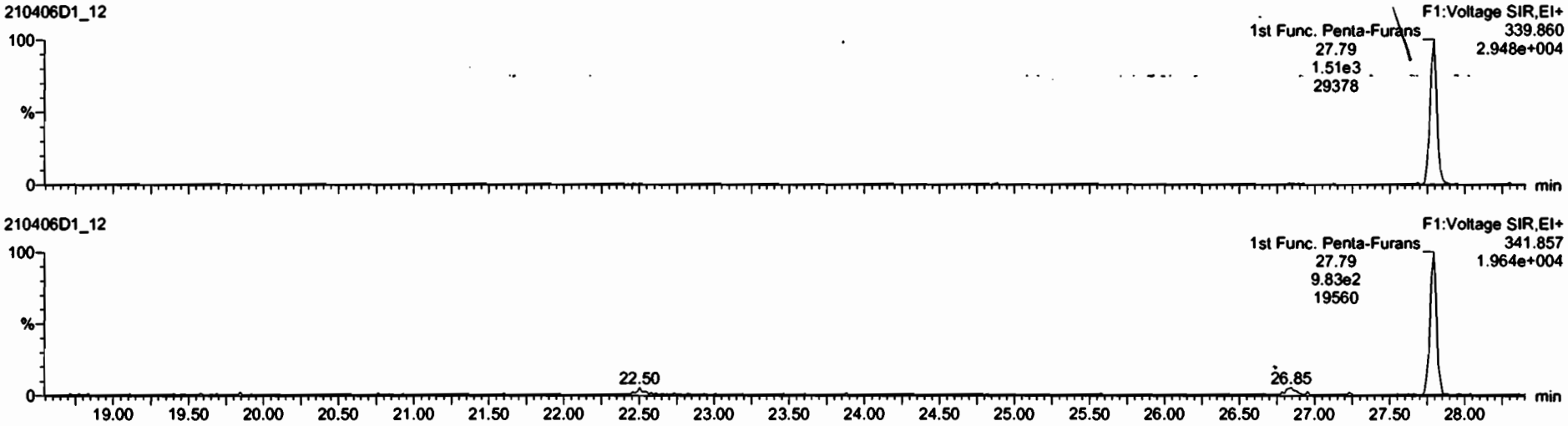
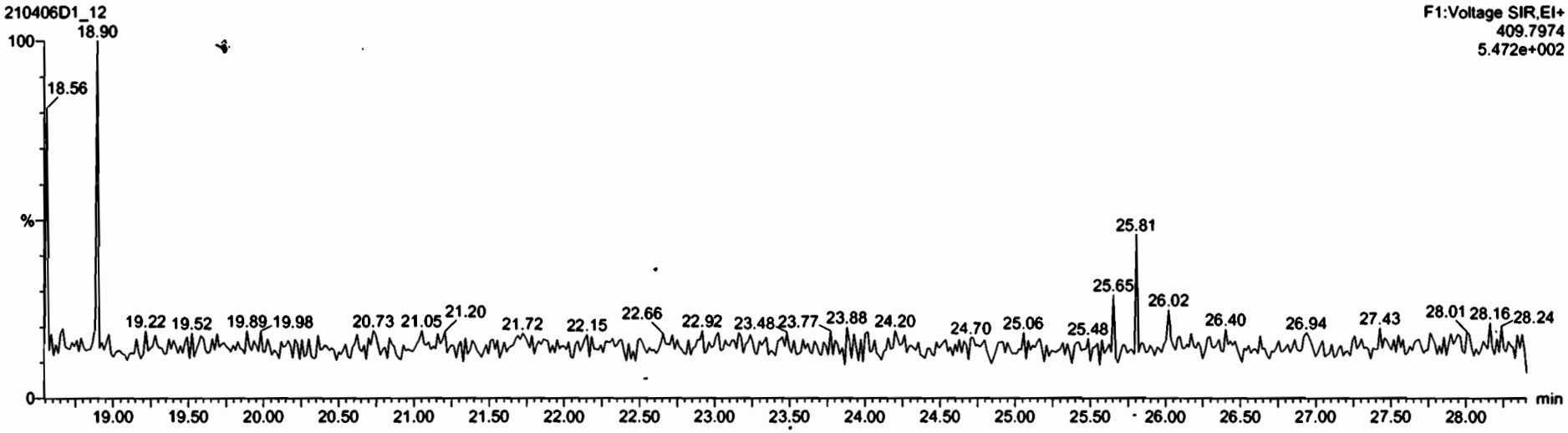
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_12, Date: 06-Apr-2021, Time: 16:50:51, ID: 2103216-06 USMPDI-059RAB-20-25.5-210318 12.54, Description: USMPDI-059RAB-20-25.5-210318

1st Func. Penta-Furans



DPE6



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Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
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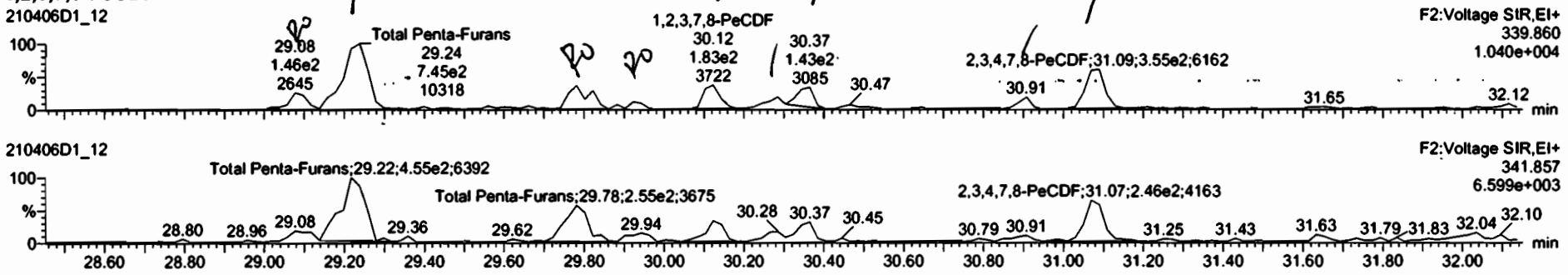
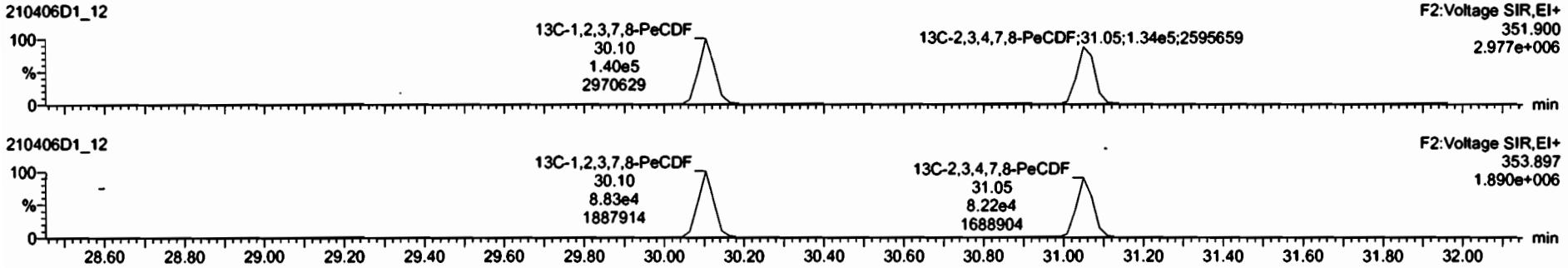
Name: 210406D1_12, Date: 06-Apr-2021, Time: 16:50:51, ID: 2103216-06 USMPDI-059RAB-20-25.5-210318 12.54, Description: USMPDI-059RAB-20-25.5-210318

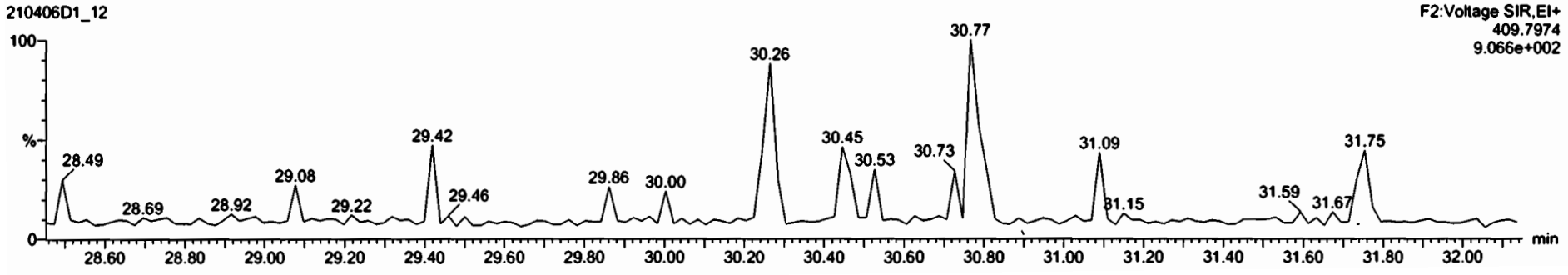
1,2,3,7,8-PeCDF

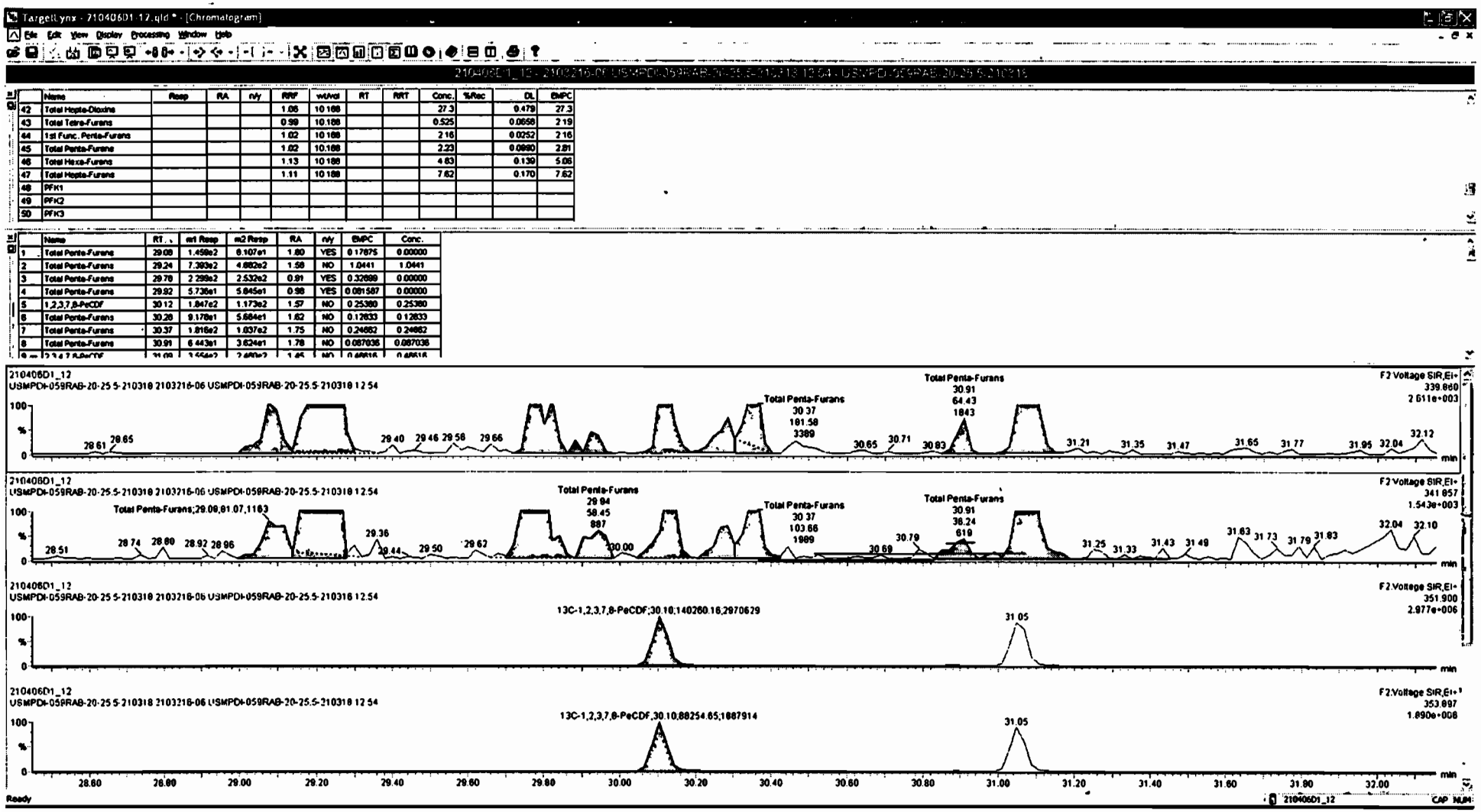


13C-1,2,3,7,8-PeCDF



DPE2





	Name	Resp	RA	nVy	RRF	wUval	RT	RRT	Conc.	%Rec	DL	EMPC
42	Total Hepta-Dioxins				1.06	10.188			27.3		0.479	27.3
43	Total Tetra-Furans				0.99	10.188			0.525		0.0658	2.19
44	1st Func. Penta-Furans				1.02	10.188			2.16		0.0252	2.16
45	Total Penta-Furans				1.02	10.188			2.23		0.0990	2.81
46	Total Hexa-Furans				1.13	10.188			4.83		0.139	5.06
47	Total Hepta-Furans				1.11	10.188			7.62		0.170	7.62
48	PFK1											
49	PFK2											
50	PFK3											

	Name	RT	m1 Resp	m2 Resp	RA	nVy	EMPC	Conc.
1	Total Penta-Furans	29.08	1.458e2	9.107e1	1.60	YES	0.17675	0.00000
2	Total Penta-Furans	29.24	7.393e2	4.882e2	1.58	NO	1.0441	1.0441
3	Total Penta-Furans	29.76	2.299e2	2.532e2	0.91	YES	0.32699	0.00000
4	Total Penta-Furans	29.92	5.736e1	5.845e1	0.98	YES	0.081587	0.00000
5	1,2,3,7,8-PeCDF	30.12	1.847e2	1.173e2	1.57	NO	0.25380	0.25380
6	Total Penta-Furans	30.28	9.178e1	5.684e1	1.62	NO	0.12833	0.12833
7	Total Penta-Furans	30.37	1.816e2	1.037e2	1.75	NO	0.24882	0.24882
8	Total Penta-Furans	30.91	6.443e1	3.624e1	1.78	NO	0.087036	0.087036

Dataset: Untitled

Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
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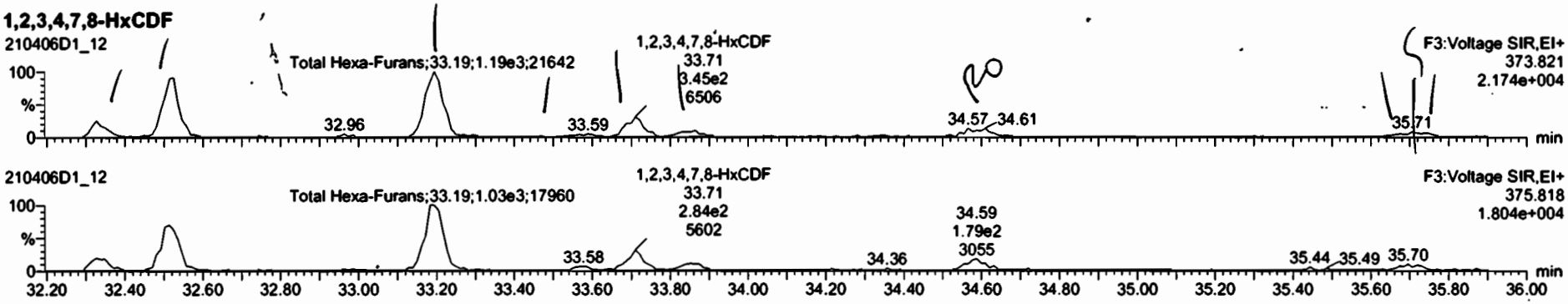
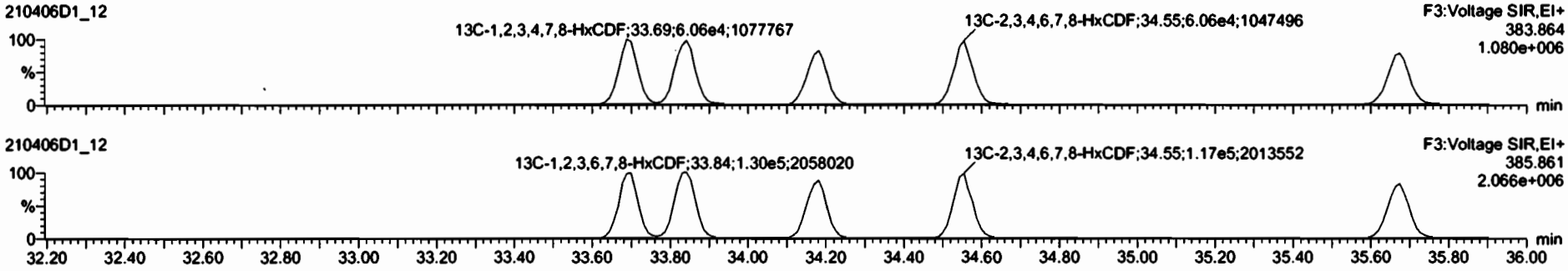
Name: 210406D1_12, Date: 06-Apr-2021, Time: 16:50:51, ID: 2103216-06 USMPDI-059RAB-20-25.5-210318 12.54, Description: USMPDI-059RAB-20-25.5-210318

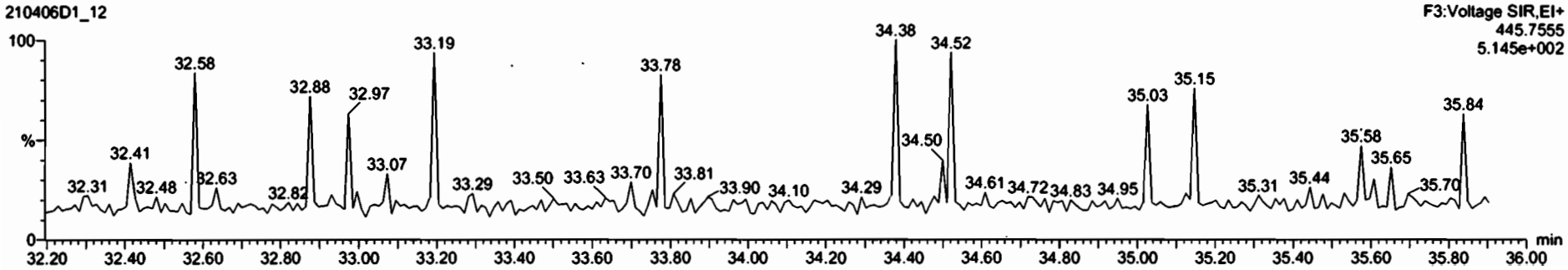
1,2,3,4,7,8-HxCDF

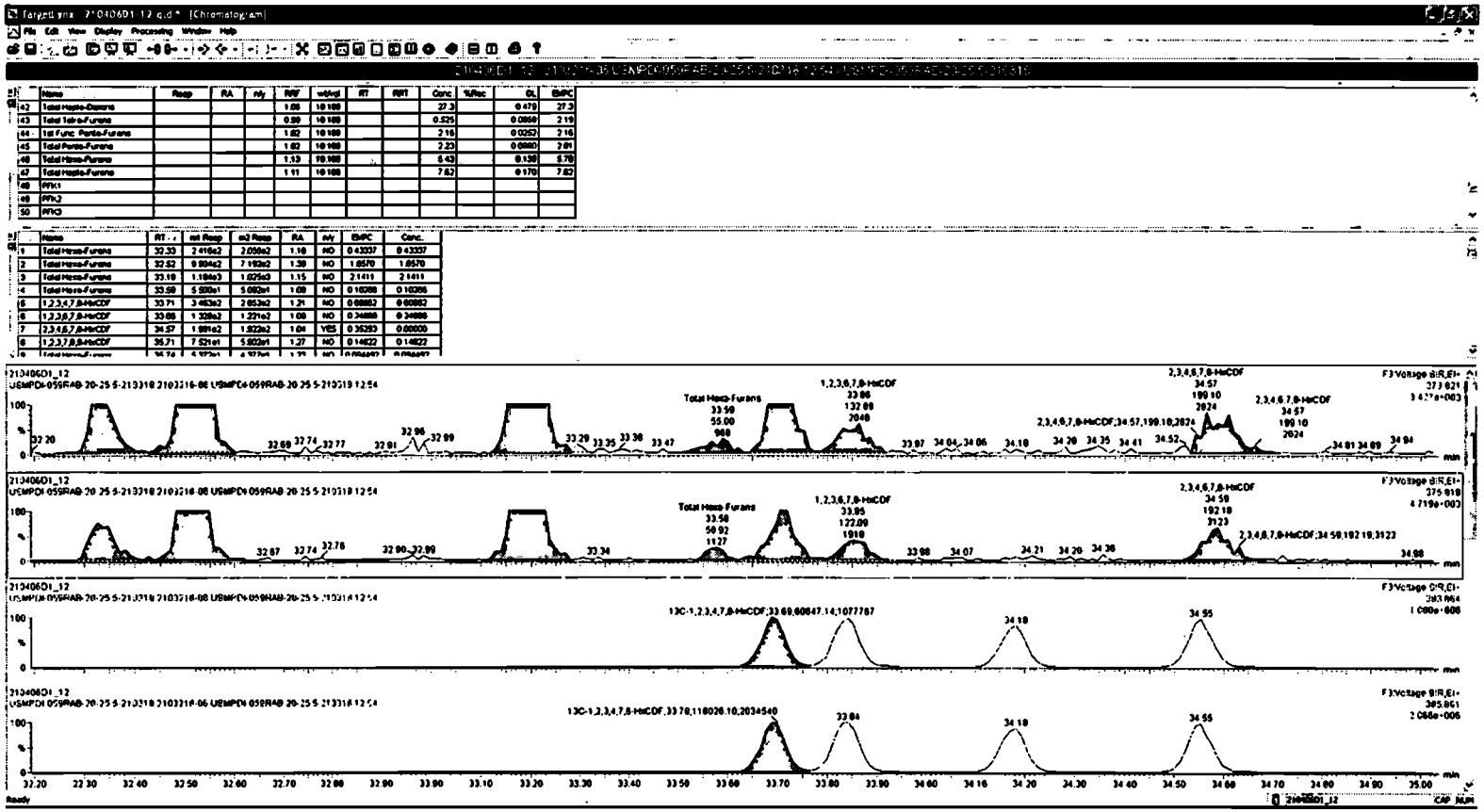


13C-1,2,3,4,7,8-HxCDF



DPE3





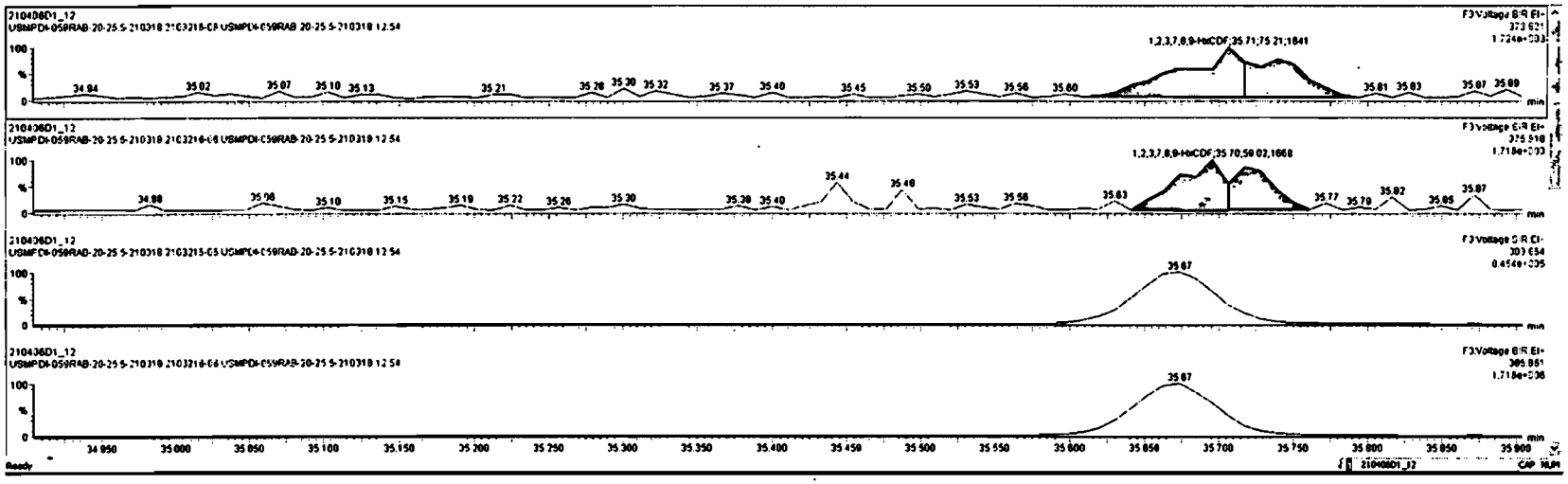
Target1.ynx - 210406D1-12.qld * [Chromatogram]

File Edit View Display Processing Window Help

210406D1_12 - 2103216-06 USMPDI-059RAB-20-25-5-210318 12:54 - USMPDI-059RAB-20-25-5-210318

	Name	Resp	RA	n/y	RRF	w/Avol	RT	RRT	Conc.	%Rec	OL	EMPC
42	Total Hepta-Dioxins				1.05	10.188			27.3		0.479	27.3
43	Total Tetra-Furans				0.99	10.188			0.525		0.0858	2.19
44	Tot Func. Penta-Furans				1.02	10.188			2.16		0.0252	2.16
45	Total Penta-Furans				1.02	10.188			2.23		0.0880	2.81
46	Total Hexa-Furans				1.13	10.188			5.43		0.139	5.78
47	Total Hepta-Furans				1.11	10.188			7.82		0.170	7.82
48	PFK1											
49	PFK2											
50	PFK3											

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Hexa-Furans	32.33	2.416e2	2.056e2	1.18	NO	0.43337	0.43337
2	Total Hexa-Furans	32.52	9.804e2	7.192e2	1.38	NO	1.6570	1.6570
3	Total Hexa-Furans	33.19	1.184e3	1.025e3	1.15	NO	2.1411	2.1411
4	Total Hexa-Furans	33.59	5.500e1	5.092e1	1.08	NO	0.10266	0.10266
5	1,2,3,4,7,8-HxCDF	33.71	3.463e2	2.852e2	1.21	NO	0.60962	0.60962
6	1,2,3,6,7,8-HxCDF	33.86	1.329e2	1.221e2	1.09	NO	0.24888	0.24888
7	2,3,4,6,7,8-HxCDF	34.57	1.991e2	1.922e2	1.04	YES	0.35293	0.00000
8	1,2,3,7,8,9-HxCDF	35.71	7.521e1	5.902e1	1.27	NO	0.14622	0.14622
9	Total Hexa-Furans	35.74	5.972e1	4.377e1	1.23	NO	0.094492	0.094492

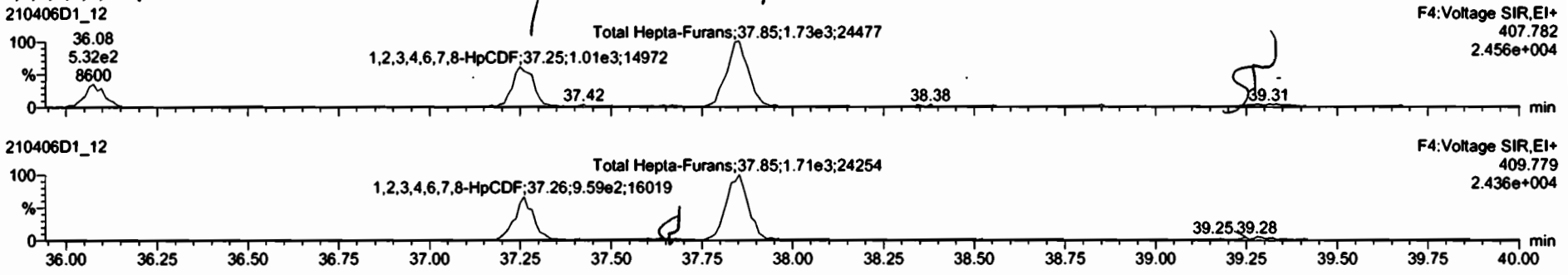


Dataset: Untitled

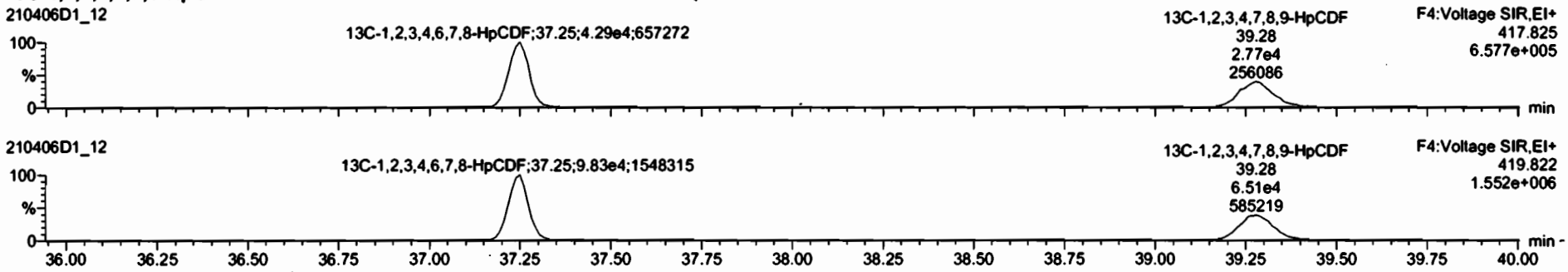
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_12, Date: 06-Apr-2021, Time: 16:50:51, ID: 2103216-06 USMPDI-059RAB-20-25.5-210318 12.54, Description: USMPDI-059RAB-20-25.5-210318

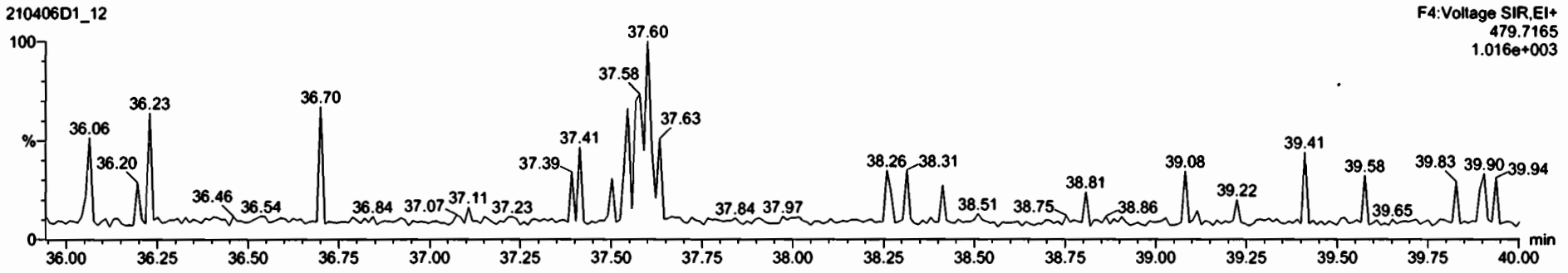
1,2,3,4,6,7,8-HpCDF



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



DPE4



Dataset: Untitled

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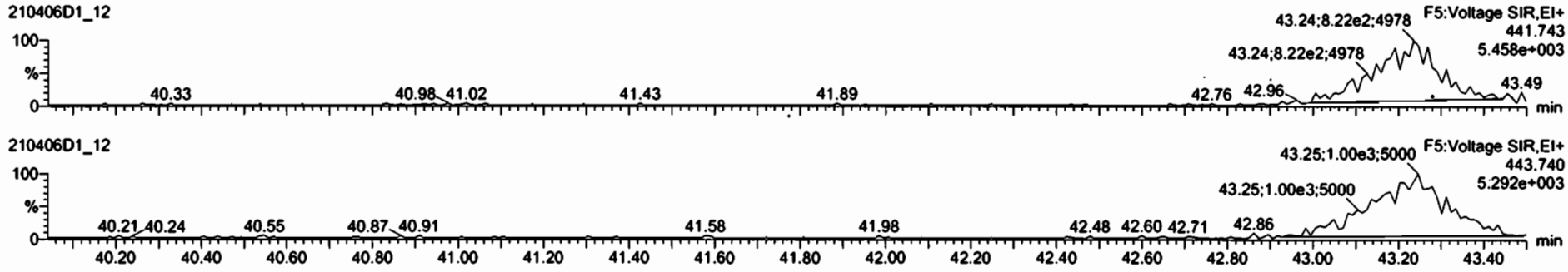
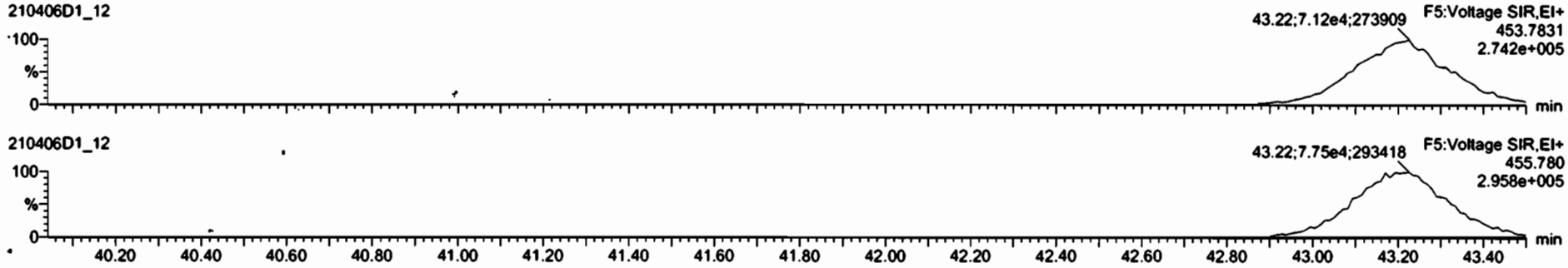
Name: 210406D1_12, Date: 06-Apr-2021, Time: 16:50:51, ID: 2103216-06 USMPDI-059RAB-20-25.5-210318 12.54, Description: USMPDI-059RAB-20-25.5-210318

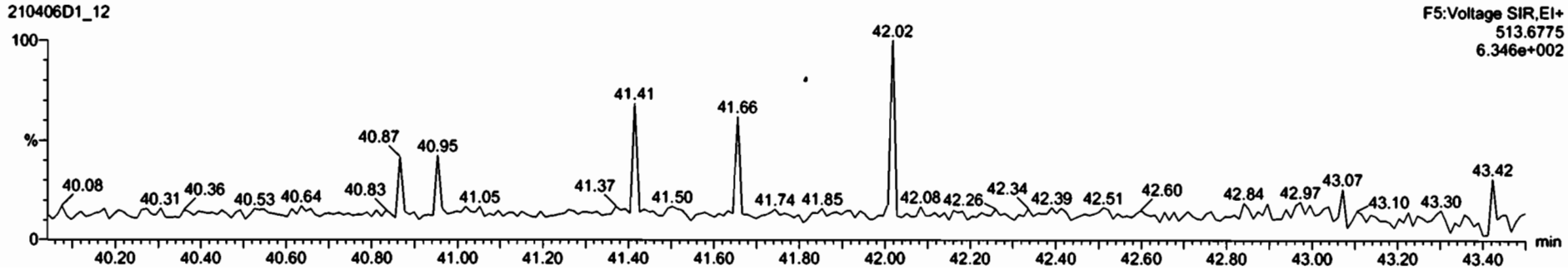
OCDF



13C-OCDF



DPE5



Targetlynx - 21040601_12.qld - [Chromatogram]

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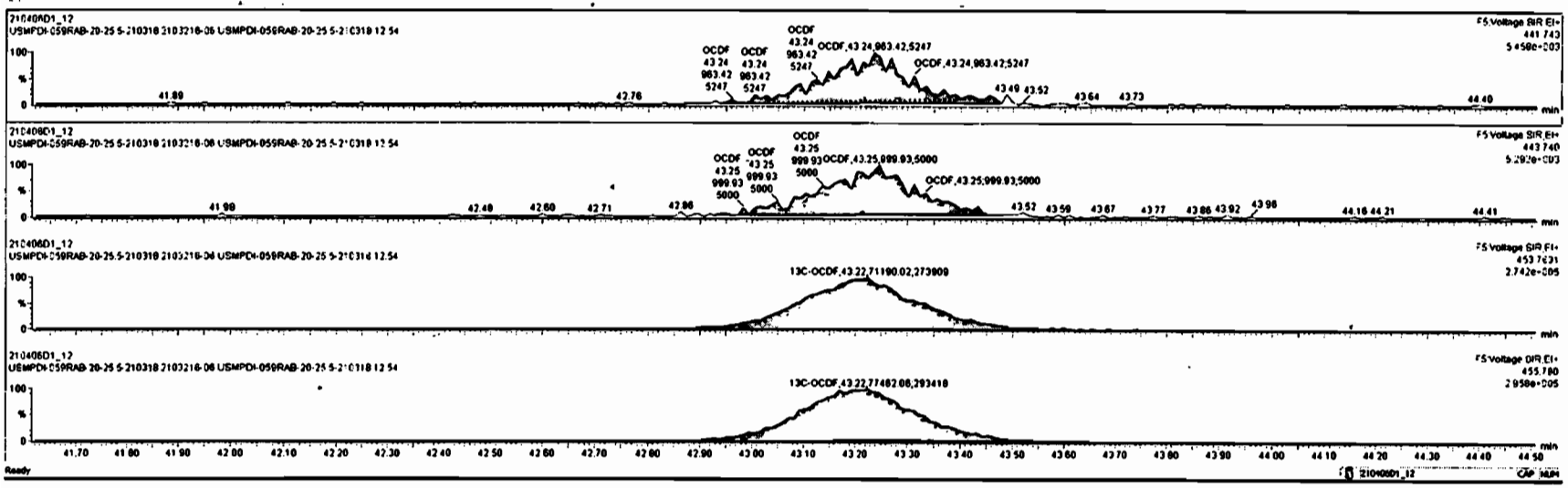
210406D1_12 - 2103216-06 USMPDI-059RAB-20-25 5-210318 12:54 - USMPDI-059RAB-20-25 5-210318

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
11	1,2,3,4,7,8-HxCDF	6.29e2	1.21	NO	1.14	10.188	33.71	1.001	0.607		0.129	0.607
12	1,2,3,6,7,8-HxCDF	2.52e2	1.04	YES	1.04	10.188	33.86	1.001	0.244		0.140	0.225
13	2,3,4,6,7,8-HxCDF			NO	1.13	10.188					0.135	
14	1,2,3,7,8,9-HxCDF			NO	1.07	10.188					0.172	
15	1,2,3,4,6,7,8-HpCDF	1.97e3	1.05	NO	1.11	10.188	37.25	1.000	2.45		0.106	2.45
16	1,2,3,4,7,8,9-HpCDF			NO	1.32	10.188					0.226	
17	OCDF	1.98e3	0.98	NO	0.93	10.188	43.24	1.000	5.57		1.40	5.57
18	13C-2,3,7,8-TCDD	1.87e5	0.88	YES	1.20	10.188	27.09	1.024	195	99.2	0.299	
19	13C-1,2,3,7,8-PeCDD	1.41e5	0.62	NO	0.86	10.188	31.23	1.181	205	105	0.270	

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



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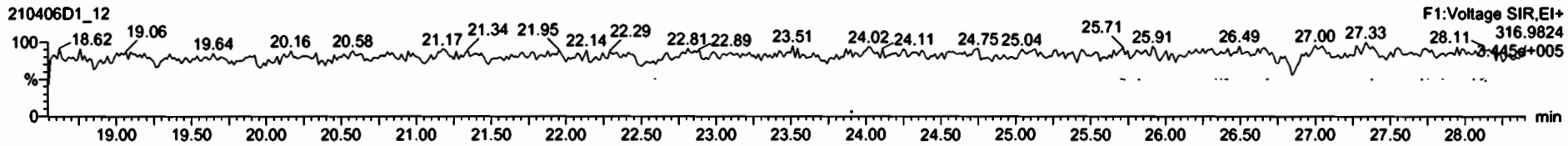
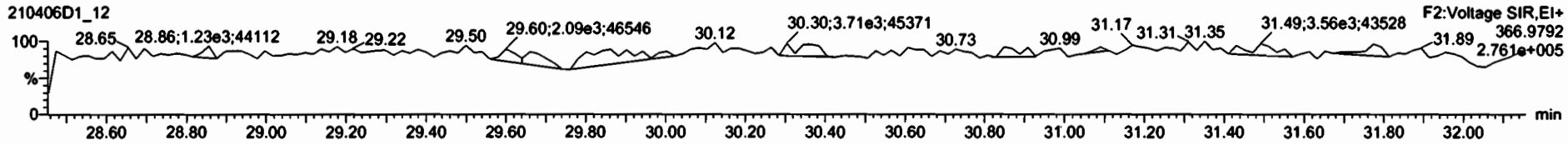
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_12, Date: 06-Apr-2021, Time: 16:50:51, ID: 2103216-06 USMPDI-059RAB-20-25.5-210318 12.54, Description: USMPDI-059RAB-20-25.5-210318

PFK1



PFK2



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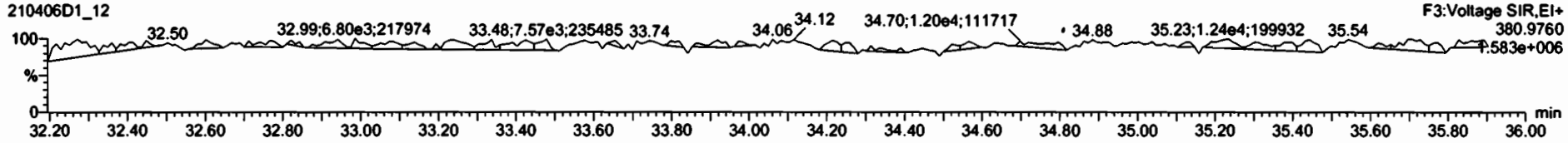

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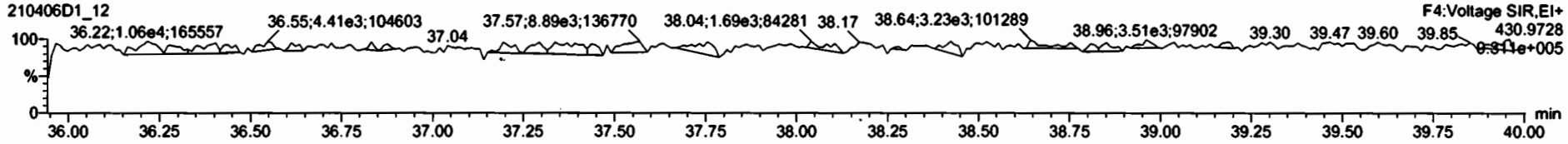
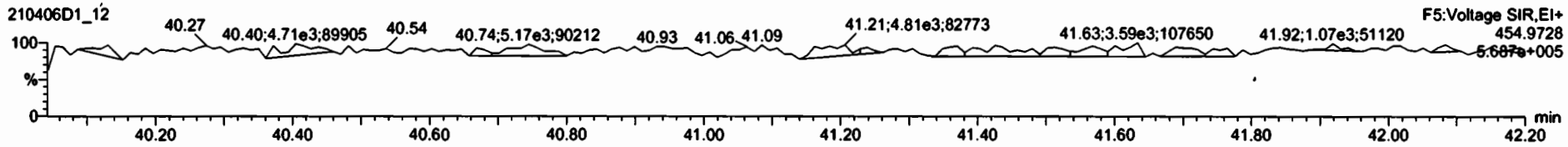


PFK5



Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-13.qld

Last Altered: Wednesday, April 14, 2021 5:10:22 PM Pacific Daylight Time
Printed: Wednesday, April 14, 2021 5:11:35 PM Pacific Daylight Time

4.14.2021 CT 04/21/2021

Method: Untitled 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210406D1_13, Date: 06-Apr-2021, Time: 17:37:29, ID: 2103216-07 USMPDI-060RAB-00-10-210317 11.81, Description: USMPDI-060RAB-00-10-210317, Task: ST210406D1-2

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD			NO	0.998	10.355					0.0939	
2	1,2,3,7,8-PeCDD	9.60e1	0.85	YES	0.961	10.355	31.25	1.001	0.14871		0.223	0.128
3	1,2,3,4,7,8-HxCDD			NO	1.18	10.355					0.255	
4	1,2,3,6,7,8-HxCDD	7.98e2	1.17	NO	1.04	10.355	34.83	1.001	1.1804		0.238	1.18
5	1,2,3,7,8,9-HxCDD	2.99e2	1.35	NO	1.06	10.355	35.11	1.000	0.43506		0.246	0.435
6	1,2,3,4,6,7,8-HpCDD	2.25e4	1.03	NO	1.06	10.355	38.51	1.000	41.839		0.721	41.8
7	OCDD	1.20e5	0.90	NO	0.977	10.355	42.14	1.001	383.75		1.30	384
8	2,3,7,8-TCDF	3.05e2	0.66	NO	0.989	10.355	26.54	1.001	0.25464		0.0930	0.255
9	1,2,3,7,8-PeCDF	2.54e2	1.28	YES	1.02	10.355	30.12	1.001	0.23268		0.111	0.215
10	2,3,4,7,8-PeCDF	9.15e2	1.62	NO	1.17	10.355	31.09	1.001	0.86186		0.112	0.862
11	1,2,3,4,7,8-HxCDF	8.57e2	1.16	NO	1.14	10.355	33.72	1.001	0.79787		0.154	0.798
12	1,2,3,6,7,8-HxCDF	5.04e2	1.37	NO	1.04	10.355	33.84	1.000	0.44614		0.143	0.446
13	2,3,4,6,7,8-HxCDF	3.19e2	1.33	NO	1.13	10.355	34.58	1.000	0.29773		0.171	0.298
14	1,2,3,7,8,9-HxCDF	1.10e2	0.70	YES	1.07	10.355	35.70	1.000	0.13649		0.246	0.101
15	1,2,3,4,6,7,8-HpCDF	5.55e3	0.99	NO	1.11	10.355	37.25	1.000	6.3318		0.117	6.33
16	1,2,3,4,7,8,9-HpCDF			NO	1.32	10.355					0.199	
17	OCDF	6.41e3	0.87	NO	0.931	10.355	42.50	1.001	14.317		0.307	14.3
18	13C-2,3,7,8-TCDD	1.64e5	0.77	NO	1.20	10.355	27.09	1.024	174.09	90.1	0.319	
19	13C-1,2,3,7,8-PeCDD	1.32e5	0.61	NO	0.864	10.355	31.23	1.181	195.81	101	0.240	
20	13C-1,2,3,4,7,8-HxCDD	1.11e5	1.27	NO	0.600	10.355	34.67	1.015	204.19	106	0.744	
21	13C-1,2,3,6,7,8-HxCDD	1.25e5	1.27	NO	0.674	10.355	34.81	1.019	204.94	106	0.662	
22	13C-1,2,3,7,8,9-HxCDD	1.25e5	1.31	NO	0.679	10.355	35.11	1.028	203.44	105	0.657	
23	13C-1,2,3,4,6,7,8-HpCDD	9.79e4	1.08	NO	0.558	10.355	38.50	1.127	193.19	100	1.03	
24	13C-OCDD	1.23e5	0.93	NO	0.496	10.355	42.11	1.232	273.72	70.9	0.462	
25	13C-2,3,7,8-TCDF	2.33e5	0.81	NO	1.03	10.355	26.52	1.003	169.98	88.0	0.266	
26	13C-1,2,3,7,8-PeCDF	2.06e5	1.62	NO	0.805	10.355	30.10	1.138	191.19	99.0	0.438	
27	13C-2,3,4,7,8-PeCDF	1.75e5	1.59	NO	0.748	10.355	31.05	1.174	174.39	90.3	0.472	
28	13C-1,2,3,4,7,8-HxCDF	1.82e5	0.49	NO	0.968	10.355	33.69	0.986	207.38	107	0.651	
29	13C-1,2,3,6,7,8-HxCDF	2.09e5	0.50	NO	1.08	10.355	33.84	0.990	212.65	110	0.581	
30	13C-2,3,4,6,7,8-HxCDF	1.83e5	0.51	NO	0.960	10.355	34.57	1.012	210.39	109	0.657	

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-13.qld

Last Altered: Wednesday, April 14, 2021 5:10:22 PM Pacific Daylight Time
Printed: Wednesday, April 14, 2021 5:11:35 PM Pacific Daylight Time

Name: 210406D1_13, Date: 06-Apr-2021, Time: 17:37:29, ID: 2103216-07 USMPDI-060RAB-00-10-210317 11.81, Description: USMPDI-060RAB-00-10-210317, Task: ST210406D1-2

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	1.44e5	0.50	NO	0.869	10.355	35.69	1.044	182.83	94.7	0.726	
32	13C-1,2,3,4,6,7,8-HpCDF	1.52e5	0.43	NO	0.794	10.355	37.25	1.090	210.54	109	0.812	
33	13C-1,2,3,4,7,8,9-HpCDF	9.92e4	0.42	NO	0.586	10.355	39.25	1.149	186.46	96.5	1.10	
34	13C-OCDF	1.86e5	0.93	NO	0.711	10.355	42.48	1.243	287.53	74.4	0.627	
35	37Cl-2,3,7,8-TCDD	6.18e4			1.11	10.355	27.10	1.025	71.339	92.3	0.0734	
36	13C-1,2,3,4-TCDD	1.51e5	0.75	NO	1.00	10.355	26.45	1.000	193.13	100	0.384	
37	13C-1,2,3,4-TCDF	2.59e5	0.81	NO	1.00	10.355	25.23	1.000	193.13	100	0.272	
38	13C-1,2,3,4,6,9-HxCDF	1.75e5	0.50	NO	1.00	10.355	34.17	1.000	193.13	100	0.631	
39	Total Tetra-Dioxins				0.998	10.355			0.30341		0.0463	0.303
40	Total Penta-Dioxins				0.961	10.355			0.20892		0.223	1.13
41	Total Hexa-Dioxins				1.04	10.355			11.040		0.258	11.0
42	Total Hepta-Dioxins				1.06	10.355			91.992		0.721	92.0
43	Total Tetra-Furans				0.989	10.355			2.0569		0.0930	2.87
44	1st Func. Penta-Furans				1.02	10.355			3.9387		0.0295	3.94
45	Total Penta-Furans				1.02	10.355			3.9931		0.119	4.69
46	Total Hexa-Furans				1.13	10.355			11.211		0.168	11.8
47	Total Hepta-Furans				1.11	10.355			18.822		0.163	18.8

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-13.qld

Last Altered: Wednesday, April 14, 2021 5:10:22 PM Pacific Daylight Time
Printed: Wednesday, April 14, 2021 5:11:35 PM Pacific Daylight Time

Method: Untitled 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210406D1_13, Date: 06-Apr-2021, Time: 17:37:29, ID: 2103216-07 USMPDI-060RAB-00-10-210317 11.81, Description: USMPDI-060RAB-00-10-210317, Task: ST210406D1-2

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Tetra-Dioxins	24.02	1.219e3	1.094e3	6.362e1	8.603e1	0.74	NO	1.496e2	0.17688	0.17688	0.0463
2	Total Tetra-Dioxins	25.35	9.090e2	1.232e3	4.484e1	6.221e1	0.72	NO	1.071e2	0.12653	0.12653	0.0463

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Penta-Dioxins	29.22	1.508e3	2.777e3	9.274e1	1.582e2	0.59	NO	0.000e0	0.00000	0.38105	0.223
2	Total Penta-Dioxins	29.62	1.221e3	1.349e3	5.188e1	5.287e1	0.98	YES	0.000e0	0.00000	0.13086	0.223
3	Total Penta-Dioxins	30.28	1.118e3	1.264e3	9.649e1	1.152e2	0.84	YES	0.000e0	0.00000	0.28507	0.223
4	Total Penta-Dioxins	30.51	6.730e2	1.983e3	5.701e1	8.058e1	0.71	NO	1.376e2	0.20892	0.20892	0.223
5	1,2,3,7,8-PeCDD	31.25	7.730e2	1.244e3	4.411e1	5.185e1	0.85	YES	9.596e1	0.00000	0.12833	0.223

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hexa-Dioxins	32.90	2.699e4	2.287e4	1.467e3	1.209e3	1.21	NO	2.675e3	4.1159	4.1159	0.258
2	Total Hexa-Dioxins	33.53	4.846e3	3.540e3	2.633e2	1.980e2	1.33	NO	4.613e2	0.70960	0.70960	0.258
3	Total Hexa-Dioxins	33.86	2.565e4	1.747e4	1.726e3	1.264e3	1.37	NO	2.989e3	4.5988	4.5988	0.258
4	1,2,3,6,7,8-HxCDD	34.83	7.136e3	6.552e3	4.307e2	3.668e2	1.17	NO	7.975e2	1.1804	1.1804	0.238
5	1,2,3,7,8,9-HxCDD	35.11	3.251e3	2.290e3	1.717e2	1.275e2	1.35	NO	2.992e2	0.43506	0.43506	0.246

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hepta-Dioxins	37.57	1.964e5	1.884e5	1.379e4	1.316e4	1.05	NO	2.695e4	50.153	50.153	0.721
2	1,2,3,4,6,7,8-HpCDD	38.51	1.374e5	1.360e5	1.139e4	1.109e4	1.03	NO	2.248e4	41.839	41.839	0.721

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-13.qld

Last Altered: Wednesday, April 14, 2021 5:10:22 PM Pacific Daylight Time
Printed: Wednesday, April 14, 2021 5:11:35 PM Pacific Daylight Time

Name: 210406D1_13, Date: 06-Apr-2021, Time: 17:37:29, ID: 2103216-07 USMPDI-060RAB-00-10-210317 11.81, Description: USMPDI-060RAB-00-10-210317, Task: ST210406D1-2

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Tetra-Furans	22.18	7.940e2	7.690e2	4.416e1	3.922e1	1.13	YES	0.000e0	0.00000	0.058038	0.0930
2	Total Tetra-Furans	22.69	1.053e3	1.636e3	5.838e1	1.093e2	0.53	YES	0.000e0	0.00000	0.11218	0.0930
3	Total Tetra-Furans	23.34	5.102e3	6.234e3	3.361e2	4.652e2	0.72	NO	8.014e2	0.66994	0.66994	0.0930
4	Total Tetra-Furans	24.06	1.635e3	1.931e3	1.365e2	1.386e2	0.98	YES	0.000e0	0.00000	0.20505	0.0930
5	Total Tetra-Furans	24.42	2.134e3	2.826e3	1.500e2	1.959e2	0.77	NO	3.459e2	0.28919	0.28919	0.0930
6	Total Tetra-Furans	25.10	1.131e3	1.481e3	6.381e1	8.258e1	0.77	NO	1.464e2	0.12239	0.12239	0.0930
7	Total Tetra-Furans	25.35	4.127e3	5.647e3	3.194e2	3.905e2	0.82	NO	7.099e2	0.59352	0.59352	0.0930
8	Total Tetra-Furans	25.71	1.109e3	2.243e3	6.335e1	8.881e1	0.71	NO	1.522e2	0.12721	0.12721	0.0930
9	2,3,7,8-TCDF	26.54	2.475e3	2.963e3	1.212e2	1.834e2	0.66	NO	3.046e2	0.25464	0.25464	0.0930
10	Total Tetra-Furans	26.80	1.975e3	2.010e3	1.806e2	1.839e2	0.98	YES	0.000e0	0.00000	0.27217	0.0930
11	Total Tetra-Furans	27.64	1.429e3	1.085e3	4.975e1	3.998e1	1.24	YES	0.000e0	0.00000	0.059165	0.0930
12	Total Tetra-Furans	27.81	1.538e3	2.038e3	8.403e1	7.413e1	1.13	YES	0.000e0	0.00000	0.10969	0.0930

Penta-Furans function 1

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	1st Func. Penta-Furans	27.79	4.535e4	3.010e4	2.422e3	1.548e3	1.56	NO	3.970e3	3.9387	3.9387	0.0295

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Penta-Furans	29.10	3.833e3	2.518e3	1.906e2	1.749e2	1.09	YES	0.000e0	0.00000	0.31116	0.119
2	Total Penta-Furans	29.24	1.680e4	1.216e4	1.199e3	7.775e2	1.54	NO	1.977e3	1.9614	1.9614	0.119
3	Total Penta-Furans	29.78	7.663e3	5.985e3	4.677e2	3.435e2	1.36	NO	8.112e2	0.80482	0.80482	0.119
4	1,2,3,7,8-PeCDF	30.12	3.162e3	1.753e3	1.427e2	1.112e2	1.28	YES	2.539e2	0.00000	0.21518	0.111
5	Total Penta-Furans	30.35	4.889e3	3.494e3	2.244e2	1.435e2	1.56	NO	3.679e2	0.36504	0.36504	0.119
6	Total Penta-Furans	30.91	2.918e3	1.065e3	1.503e2	6.734e1	2.23	YES	0.000e0	0.00000	0.17037	0.119
7	2,3,4,7,8-PeCDF	31.09	1.119e4	6.650e3	5.656e2	3.497e2	1.62	NO	9.152e2	0.86186	0.86186	0.112

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-13.qld

Last Altered: Wednesday, April 14, 2021 5:10:22 PM Pacific Daylight Time
Printed: Wednesday, April 14, 2021 5:11:35 PM Pacific Daylight Time

Name: 210406D1_13, Date: 06-Apr-2021, Time: 17:37:29, ID: 2103216-07 USMPDI-060RAB-00-10-210317 11.81, Description: USMPDI-060RAB-00-10-210317, Task: ST210406D1-2

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hexa-Furans	32.35	1.447e4	1.059e4	6.896e2	4.992e2	1.38	NO	1.189e3	1.1314	1.1314	0.168
2	Total Hexa-Furans	32.51	3.760e4	3.085e4	2.113e3	1.643e3	1.29	NO	3.756e3	3.5748	3.5748	0.168
3	Total Hexa-Furans	33.19	4.835e4	4.141e4	2.766e3	2.320e3	1.19	NO	5.086e3	4.8404	4.8404	0.168
4	Total Hexa-Furans	33.57	2.985e3	2.345e3	1.614e2	1.068e2	1.51	YES	0.000e0	0.00000	0.22778	0.168
5	1,2,3,4,7,8-HxCDF	33.72	8.346e3	6.680e3	4.598e2	3.974e2	1.16	NO	8.572e2	0.79787	0.79787	0.154
6	1,2,3,6,7,8-HxCDF	33.84	5.213e3	3.748e3	2.914e2	2.128e2	1.37	NO	5.042e2	0.44614	0.44614	0.143
7	2,3,4,6,7,8-HxCDF	34.58	5.309e3	4.079e3	1.823e2	1.367e2	1.33	NO	3.190e2	0.29773	0.29773	0.171
8	Total Hexa-Furans	34.61	4.481e3	3.897e3	2.018e2	1.409e2	1.43	YES	0.000e0	0.00000	0.30035	0.168
9	1,2,3,7,8,9-HxCDF	35.70	1.466e3	1.998e3	4.495e1	6.465e1	0.70	YES	1.096e2	0.00000	0.10113	0.246
10	Total Hexa-Furans	35.72	1.858e3	1.974e3	7.246e1	5.691e1	1.27	NO	1.294e2	0.12312	0.12312	0.168

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	37.25	4.115e4	4.388e4	2.761e3	2.786e3	0.99	NO	5.546e3	6.3318	6.3318	0.117
2	Total Hepta-Furans	37.88	6.364e4	5.644e4	4.562e3	4.483e3	1.02	NO	9.046e3	12.490	12.490	0.163

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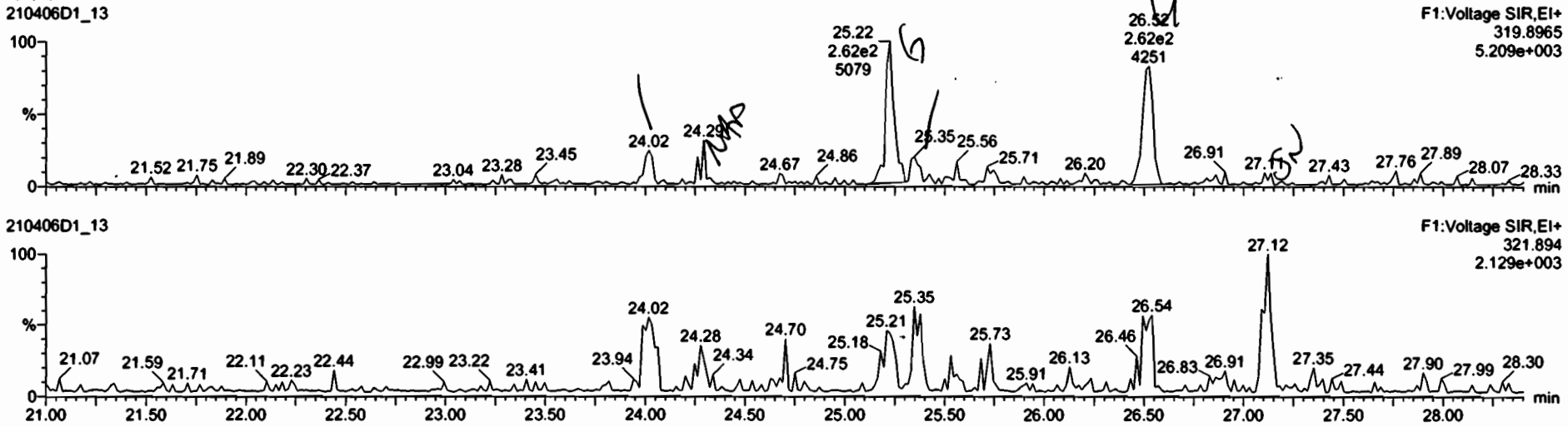
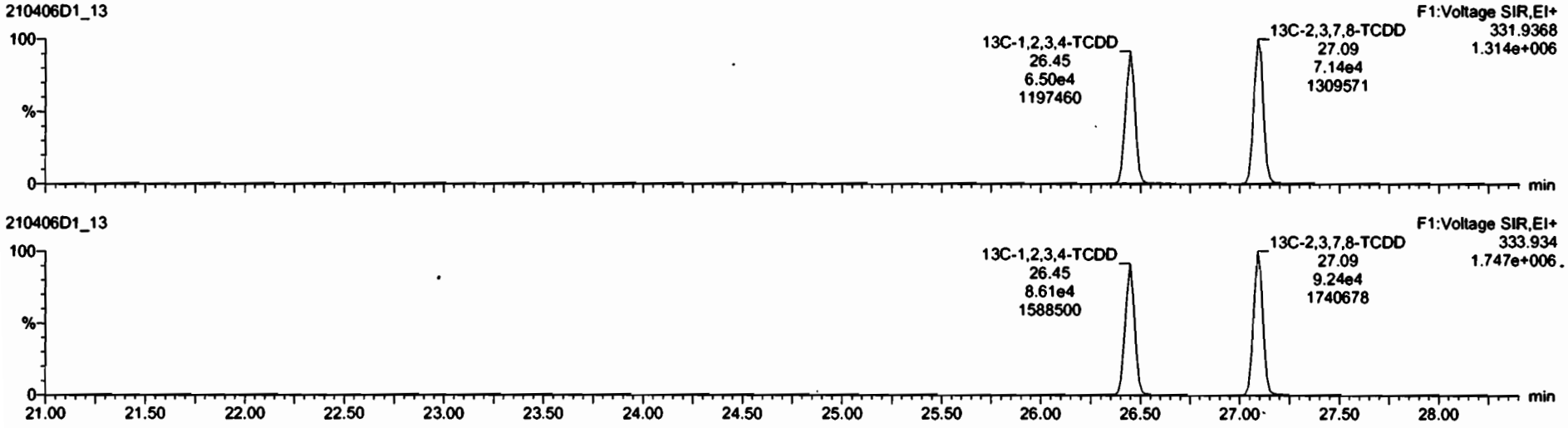
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_13, Date: 06-Apr-2021, Time: 17:37:29, ID: 2103216-07 USMPDI-060RAB-00-10-210317 11.81, Description: USMPDI-060RAB-00-10-210317

2,3,7,8-TCDD



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

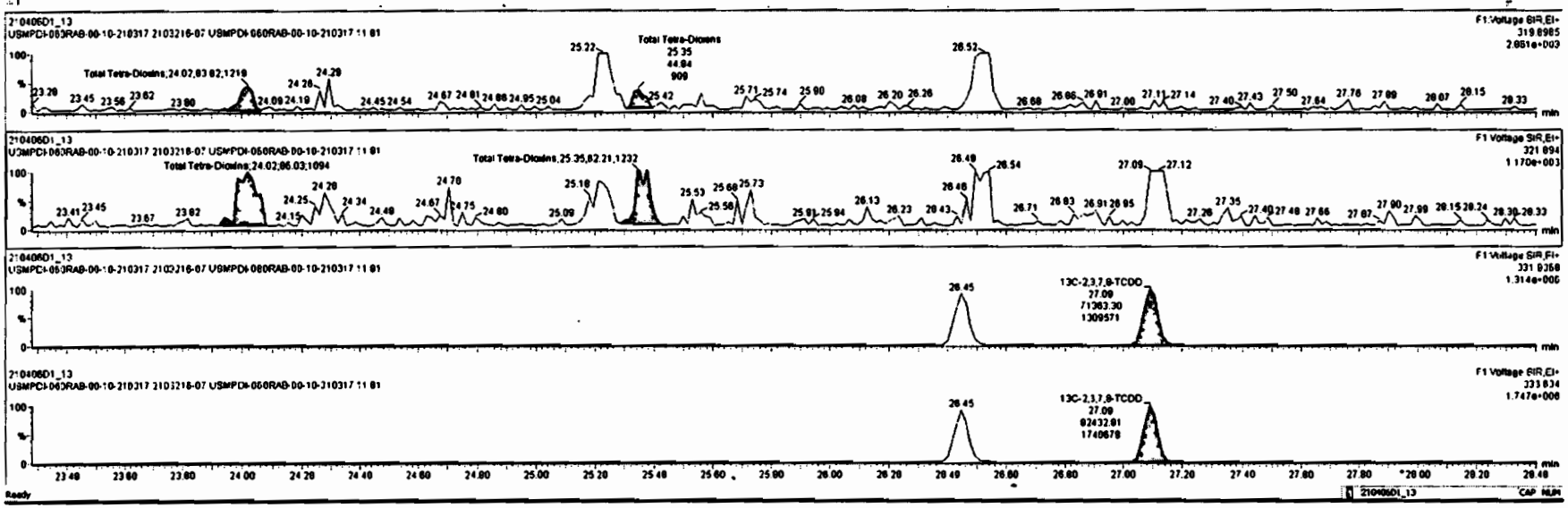


TargetLynx - 21040601-13.qld * - [Chromatogram]

File Edit View Display Processing Window Help

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
34	13C-OCDF	1.86e5	0.93	NO	0.71	10.355	42.48	1.243	288	74.4	0.627	
35	37Cl-2,3,7,8-TCDD	6.16e4			1.11	10.355	27.10	1.025	71.3	92.3	0.0734	
36	13C-1,2,3,4-TCDD	1.51e5	0.75	NO	1.00	10.355	26.45	1.000	193	100	0.384	
37	13C-1,2,3,4-TCDF	2.59e5	0.81	NO	1.00	10.355	26.23	1.000	193	100	0.272	
38	13C-1,2,3,4,6,9-HxCDF	1.75e5	0.50	NO	1.00	10.355	34.17	1.000	193	100	0.631	
39	Total Tetra-Dioxins				1.00	10.355			0.303		0.0463	0.303
40	Total Penta-Dioxins				0.96	10.355			0.000		0.0773	0.877

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Tetra-Dioxins	25.35	4.484e1	6.221e1	0.72	NO	0.12653	0.12653
2	Total Tetra-Dioxins	24.02	6.382e1	8.603e1	0.74	NO	0.17688	0.17688



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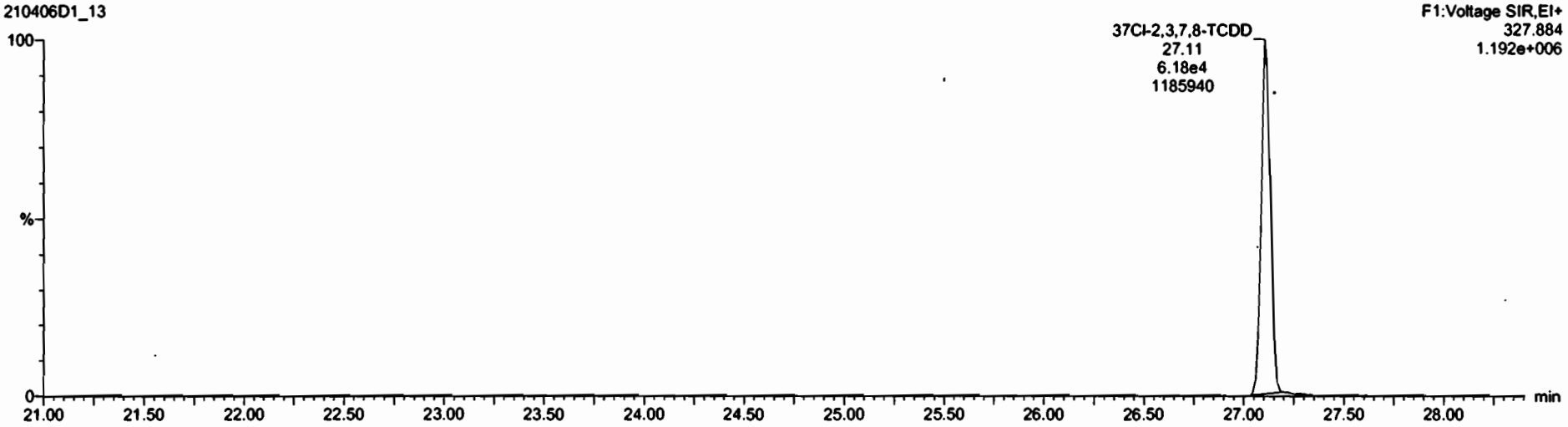
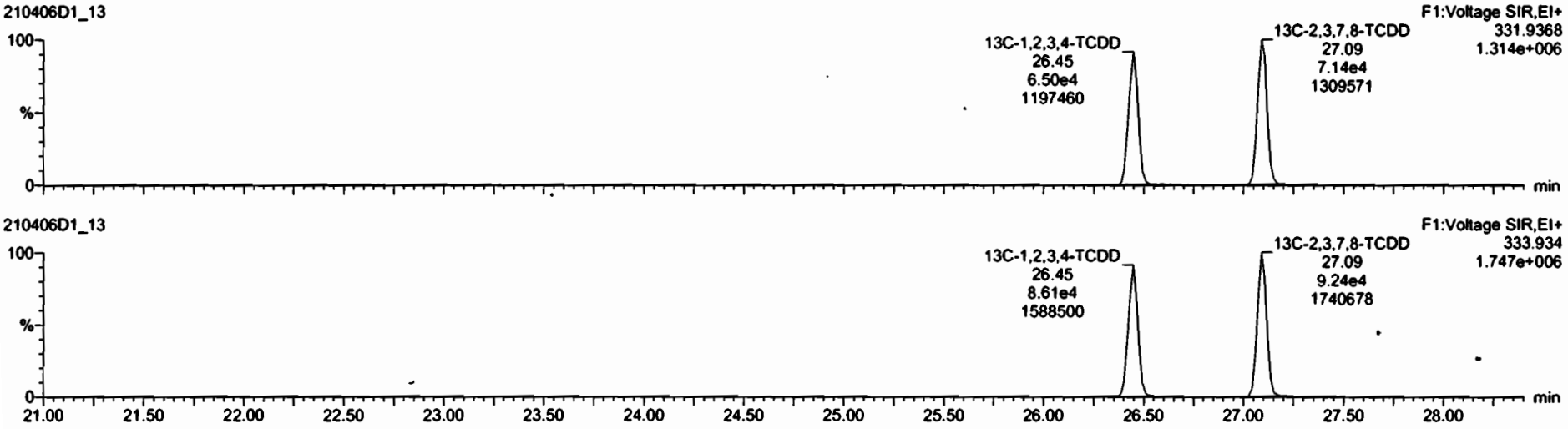
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_13, Date: 06-Apr-2021, Time: 17:37:29, ID: 2103216-07 USMPDI-060RAB-00-10-210317 11.81, Description: USMPDI-060RAB-00-10-210317

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



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



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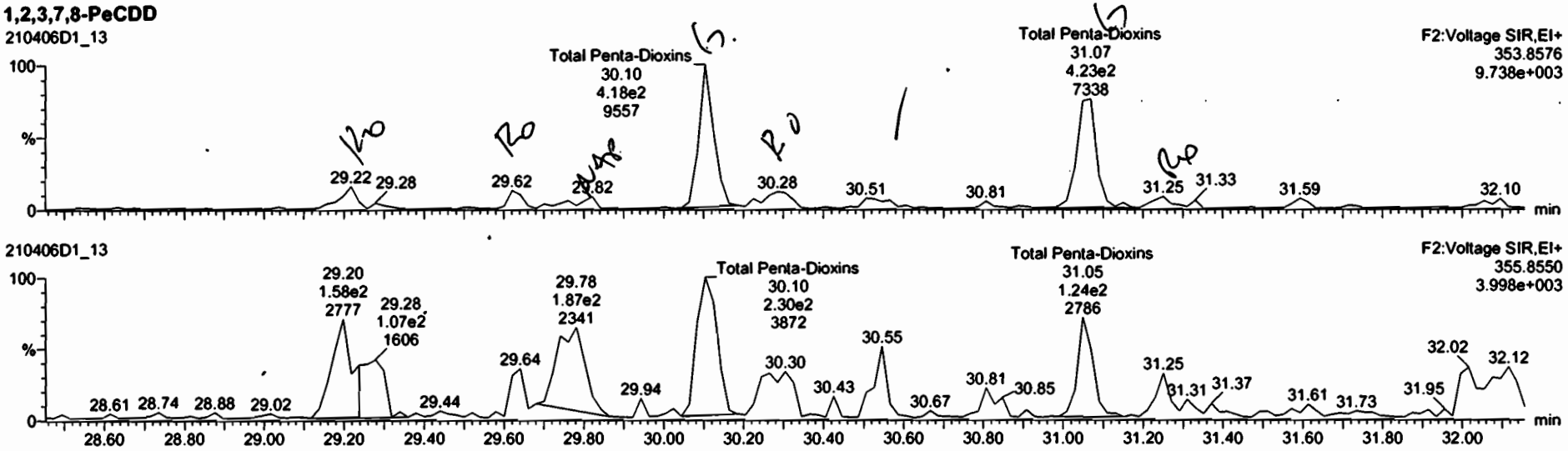
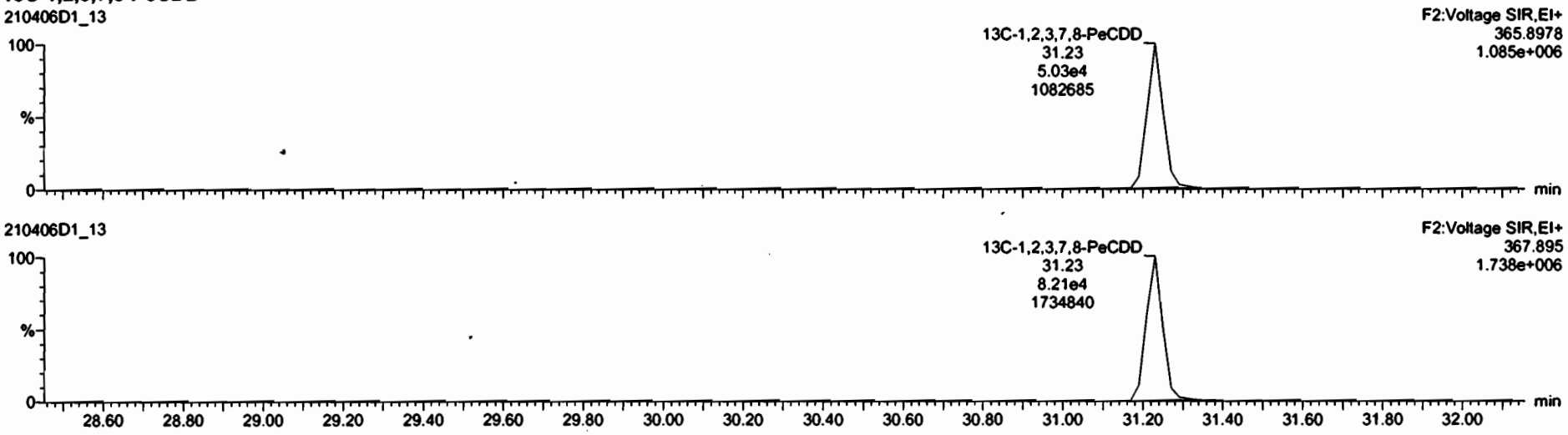
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

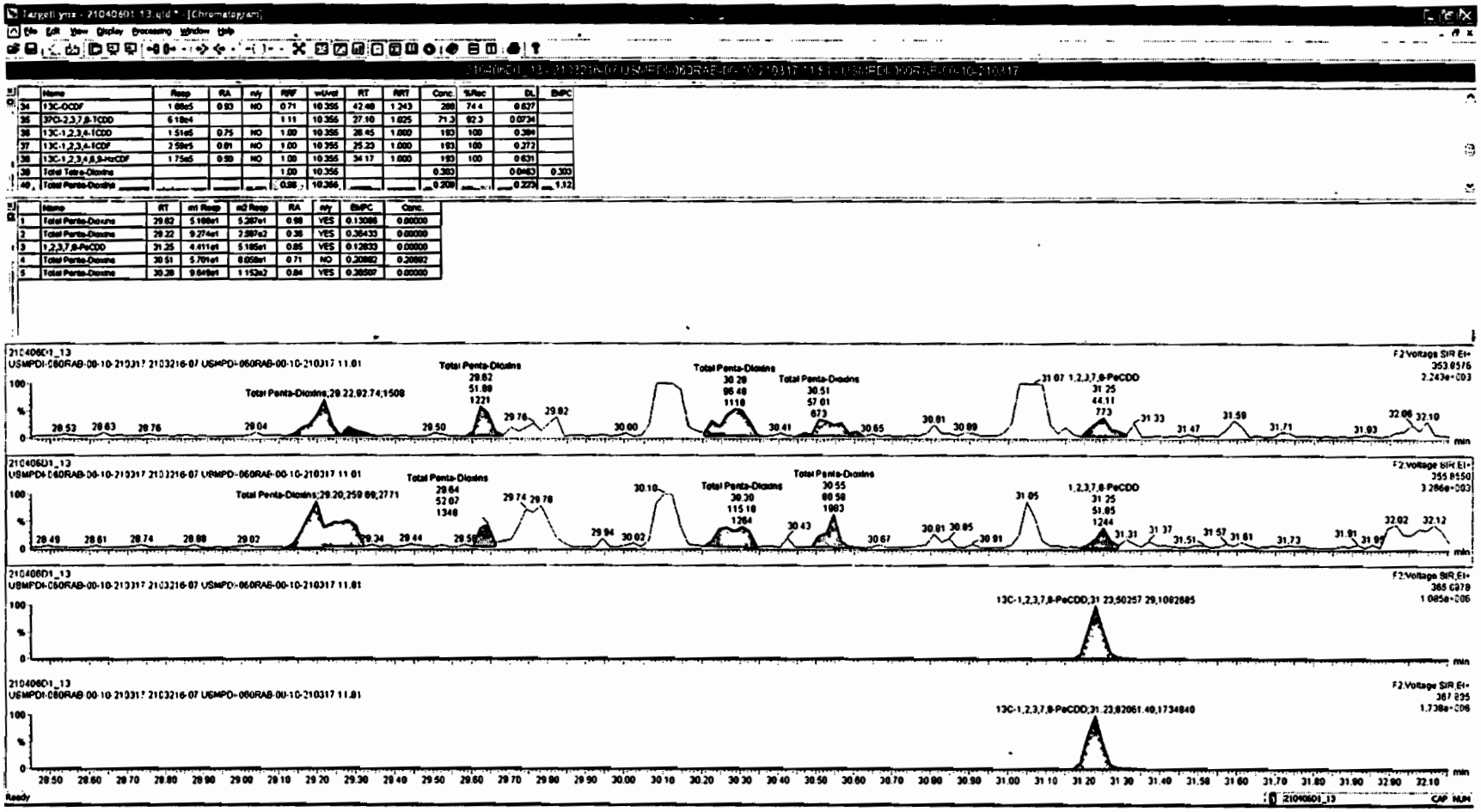
Name: 210406D1_13, Date: 06-Apr-2021, Time: 17:37:29, ID: 2103216-07 USMPDI-060RAB-00-10-210317 11.81, Description: USMPDI-060RAB-00-10-210317

1,2,3,7,8-PeCDD



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





	Name	Resp	RA	rdy	RRF	wAvt	RT	RRT	Conc.	%Rec	DL	EMPC
34	13C-OCDF	1 88e5	0 93	NO	0 71	10 355	42 48	1 243	200	74 4	0 627	
35	37Cl-2,3,7,8-TCDD	6 18e4			1 11	10 356	27 10	1 025	71 3	92 3	0 0734	
36	13C-1,2,3,4-TCDD	1 51e5	0 75	NO	1 00	10 356	28 45	1 000	193	100	0 394	
37	13C-1,2,3,4-TCDF	2 59e5	0 81	NO	1 00	10 356	25 23	1 000	193	100	0 272	
38	13C-1,2,3,4,6,9-HxCDF	1 75e5	0 89	NO	1 00	10 356	34 17	1 000	193	100	0 631	
39	Total Tetra-Dioxins				1 00	10 356			0 303		0 0483	0 303
40	Total Penta-Dioxins				0 98	10 366			0 209		0 229	1 12

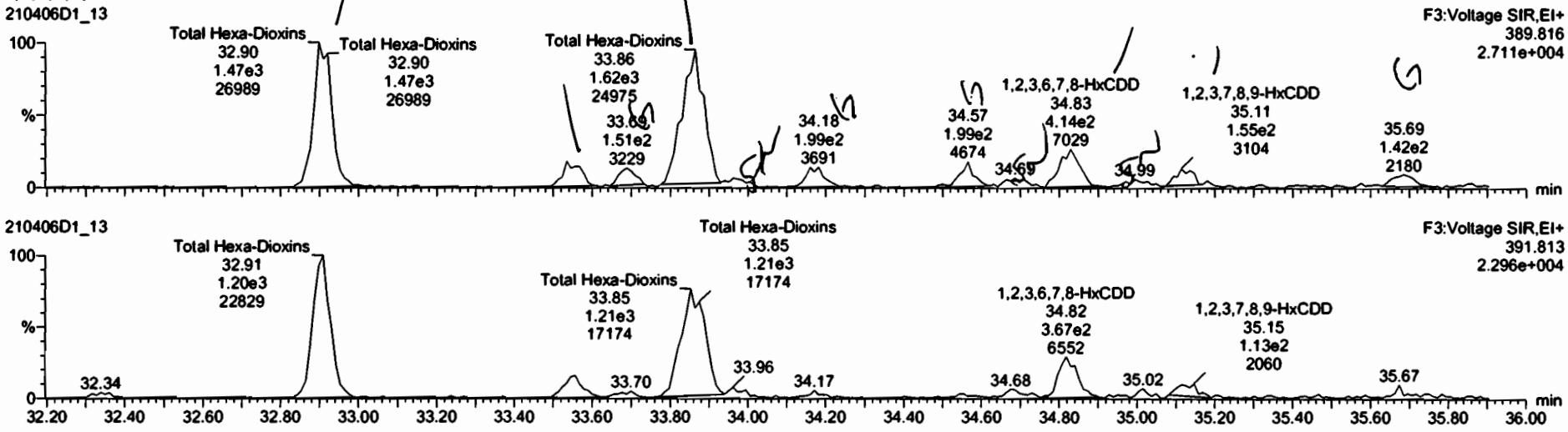
	Name	RT	m1 Resp	m2 Resp	RA	rdy	EMPC	Conc.
1	Total Penta-Dioxins	29 62	5 188e1	5 287e1	0 98	YES	0 13086	0 00000
2	Total Penta-Dioxins	29 22	9 274e1	2 587e2	0 36	YES	0 36433	0 00000
3	1,2,3,7,8-PeCDD	31 25	4 411e1	5 185e1	0 85	YES	0 12833	0 00000
4	Total Penta-Dioxins	30 51	5 701e1	8 058e1	0 71	NO	0 20892	0 20892
5	Total Penta-Dioxins	30 29	9 849e1	1 152e2	0 84	YES	0 28597	0 00000

Dataset: Untitled

Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_13, Date: 06-Apr-2021, Time: 17:37:29, ID: 2103216-07 USMPDI-060RAB-00-10-210317 11.81, Description: USMPDI-060RAB-00-10-210317

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



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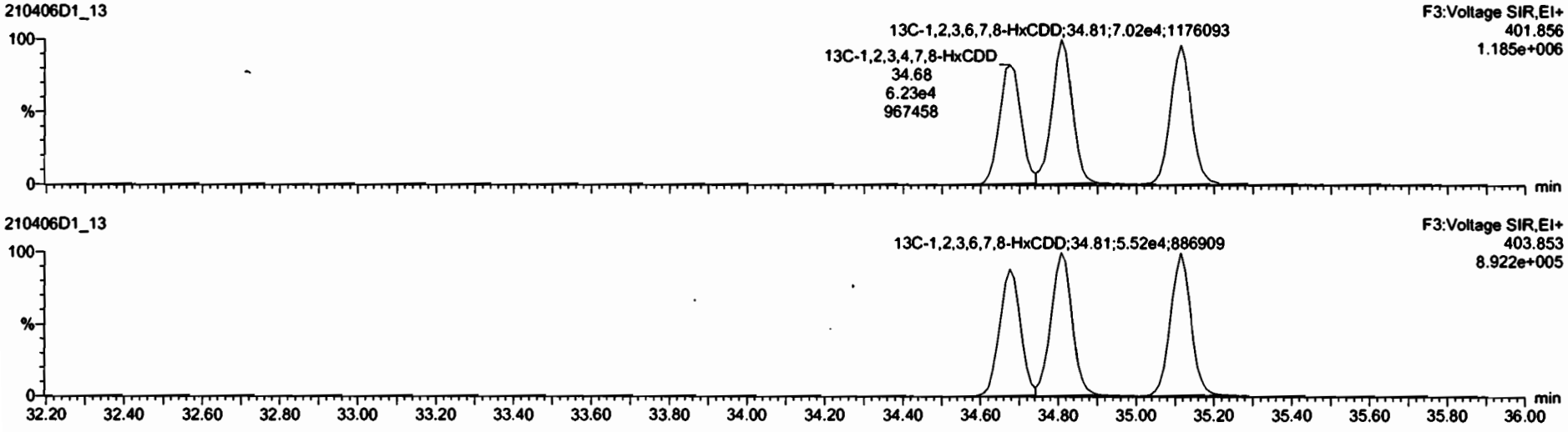

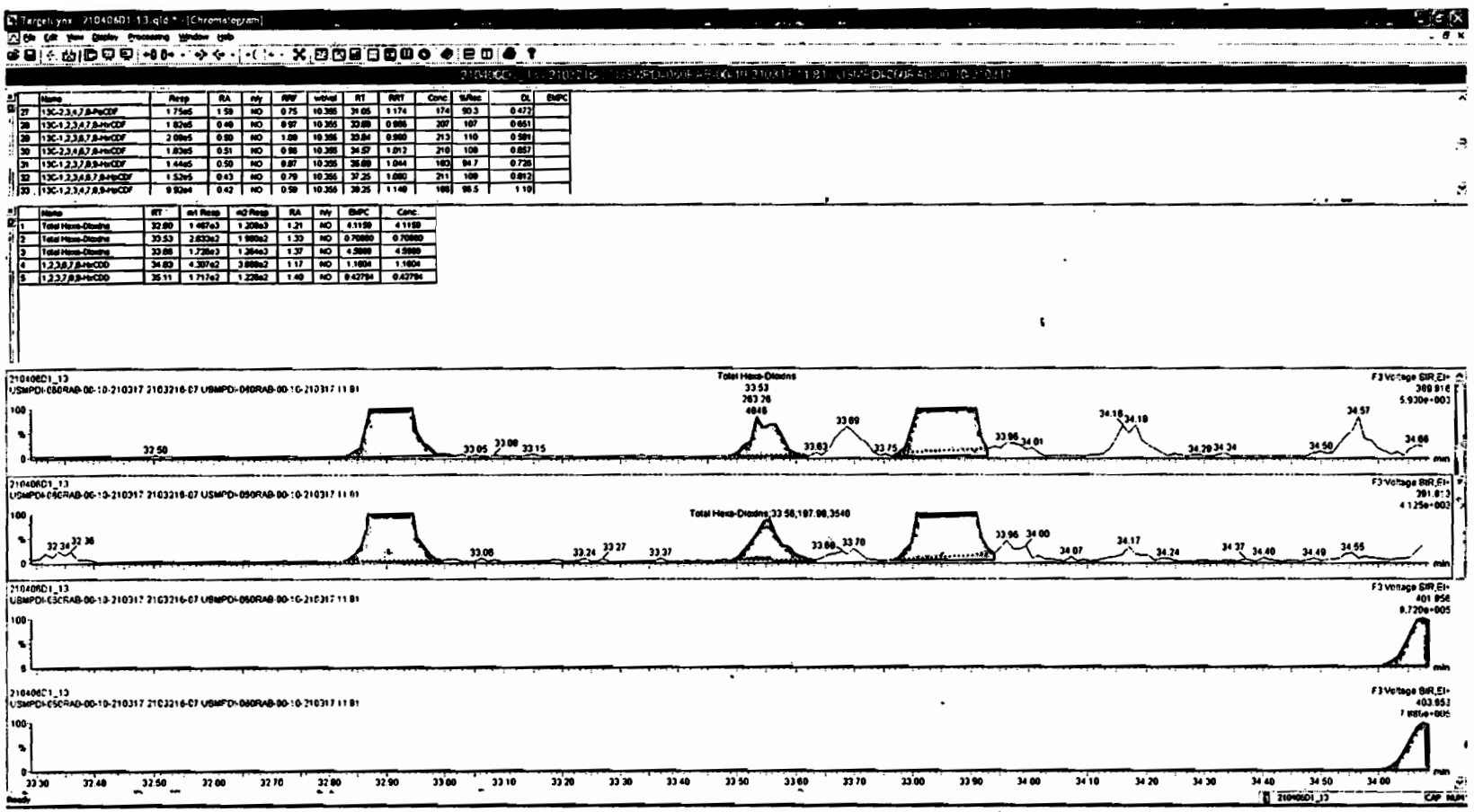

	Name	Resp	RA	rdy	RRF	wdist	RT	RRT	Conc	%Rec	DL	EMPC
27	13C-2,3,4,7,8-PeCDF	1.75e6	1.59	NO	0.75	10.368	31.65	1.174	174	90.3	0.472	
28	13C-1,2,3,4,7,8-HxCDF	1.82e6	0.49	NO	0.97	10.355	33.88	0.986	207	107	0.651	
29	13C-1,2,3,6,7,8-HxCDF	2.06e6	0.50	NO	1.09	10.356	33.84	0.980	213	110	0.584	
30	13C-2,3,4,6,7,8-HxCDF	1.83e6	0.51	NO	0.98	10.355	34.57	1.012	210	108	0.657	
31	13C-1,2,3,7,8,9-HxCDF	1.44e6	0.50	NO	0.87	10.355	35.69	1.044	183	94.7	0.726	
32	13C-1,2,3,4,6,7,8-HpCDF	1.52e6	0.43	NO	0.79	10.356	37.25	1.080	211	109	0.812	
33	13C-1,2,3,4,7,8,9-HpCDF	9.92e4	0.42	NO	0.59	10.356	39.25	1.148	166	86.5	1.10	

	Name	RT	m1 Resp	m2 Resp	RA	rdy	EMPC	Conc
1	Total Hexa-Dioxins	32.80	1.467e3	1.208e3	1.21	NO	0.1159	4.1159
2	Total Hexa-Dioxins	33.53	2.833e2	1.998e2	1.33	NO	0.70880	0.70880
3	Total Hexa-Dioxins	33.88	1.728e3	1.264e3	1.37	NO	4.5988	4.5988
4	1,2,3,6,7,8-HxCDD	34.60	4.307e2	3.668e2	1.17	NO	1.1604	1.1604
5	1,2,3,7,8,9-HxCDD	35.11	1.717e2	1.226e2	1.40	NO	0.42784	0.42784

Targetlynx - 21040601-13.qld * [Chromatogram]

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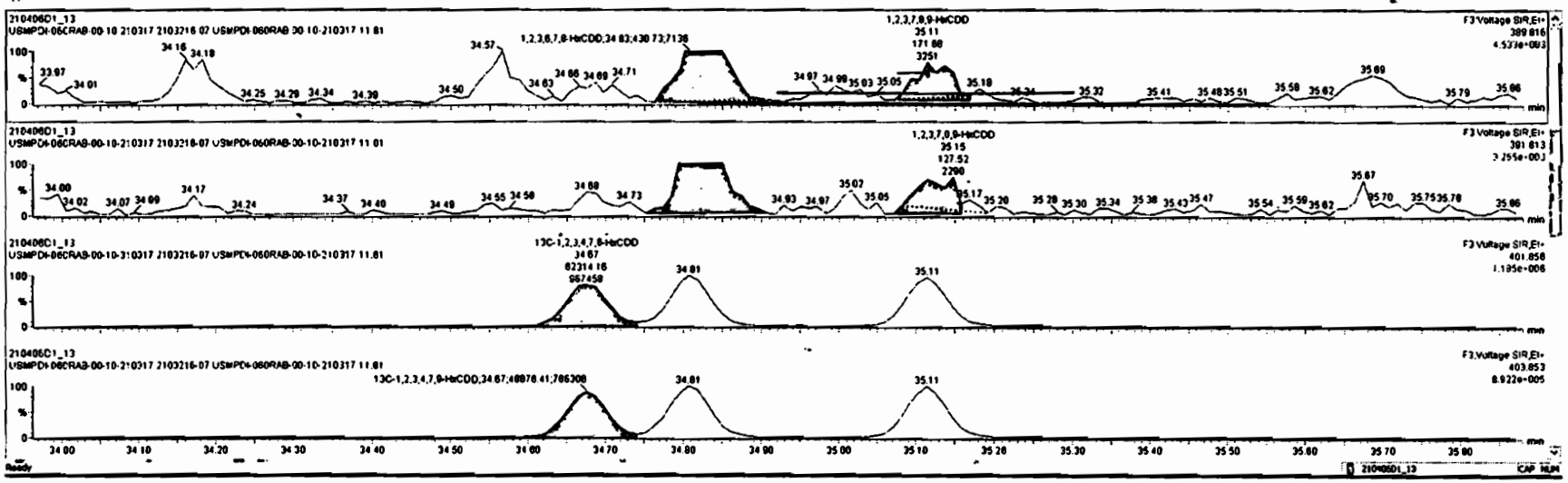
210406D1_13 - 2103216-07 USMPDI-060RAB-00-10-210317 11.81 USMPDI-060RAB-00-10-210317

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
27	13C-2,3,4,7,8-PeCDF	1.75e5	1.59	NO	0.75	10.355	31.05	1.174	174	90.3	0.472	
28	13C-1,2,3,4,7,8-HxCDF	1.82e5	0.49	NO	0.97	10.355	33.89	0.986	207	107	0.851	
29	13C-1,2,3,6,7,8-HxCDF	2.09e5	0.50	NO	1.09	10.355	33.84	0.990	213	110	0.581	
30	13C-2,3,4,6,7,8-HxCDF	1.83e5	0.51	NO	0.98	10.355	34.57	1.012	210	108	0.657	
31	13C-1,2,3,7,8,9-HxCDF	1.44e5	0.50	NO	0.87	10.355	35.69	1.044	183	94.7	0.728	
32	13C-1,2,3,4,6,7,8-HpCDF	1.52e5	0.43	NO	0.79	10.355	37.25	1.080	211	109	0.812	
33	13C-1,2,3,4,7,8,9-HpCDF	9.82e4	0.42	NO	0.59	10.355	39.25	1.149	186	96.5	1.10	

	Name	RT r	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Hexa-Dioxins	32.90	1.487e3	1.209e3	1.21	NO	4.1159	4.1159
2	Total Hexa-Dioxins	33.53	2.633e2	1.980e2	1.33	NO	0.70860	0.70860
3	Total Hexa-Dioxins	33.86	1.728e3	1.264e3	1.37	NO	4.5888	4.5888
4	1,2,3,6,7,8-HxCDD	34.83	4.307e2	3.688e2	1.17	NO	1.1804	1.1804
5	1,2,3,7,8,9-HxCDD	35.11	1.717e2	1.275e2	1.35	NO	0.43506	0.43506



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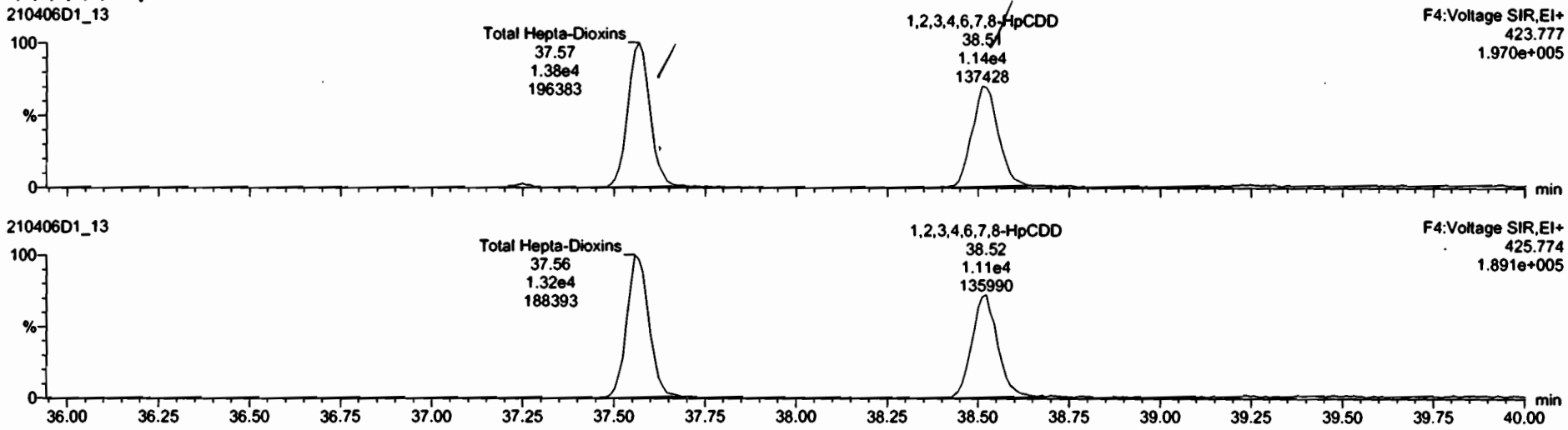
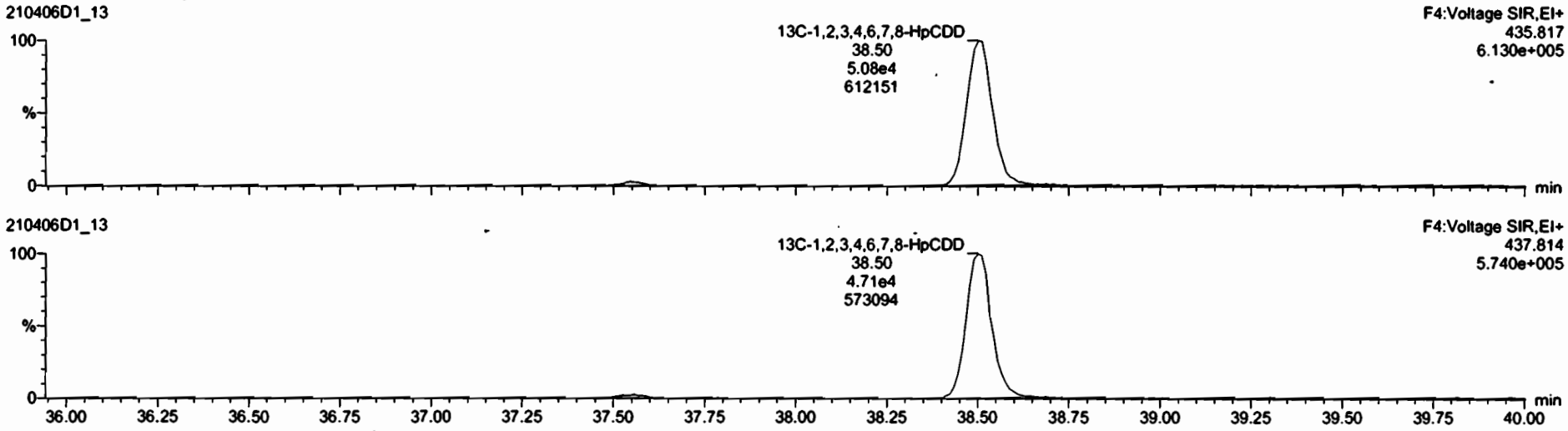
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_13, Date: 06-Apr-2021, Time: 17:37:29, ID: 2103216-07 USMPDI-060RAB-00-10-210317 11.81, Description: USMPDI-060RAB-00-10-210317

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



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



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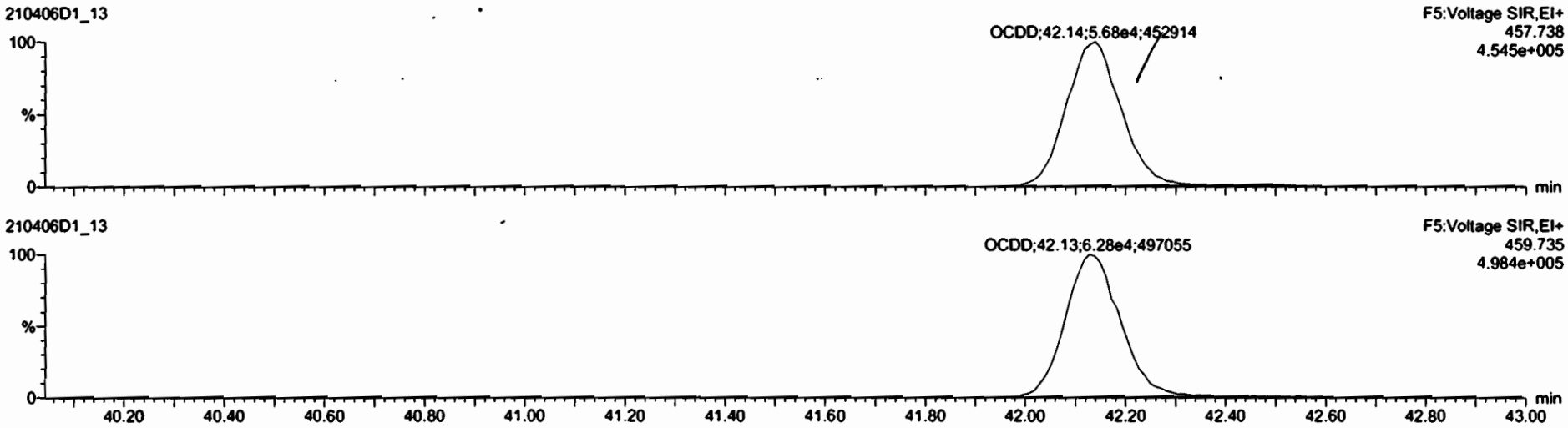
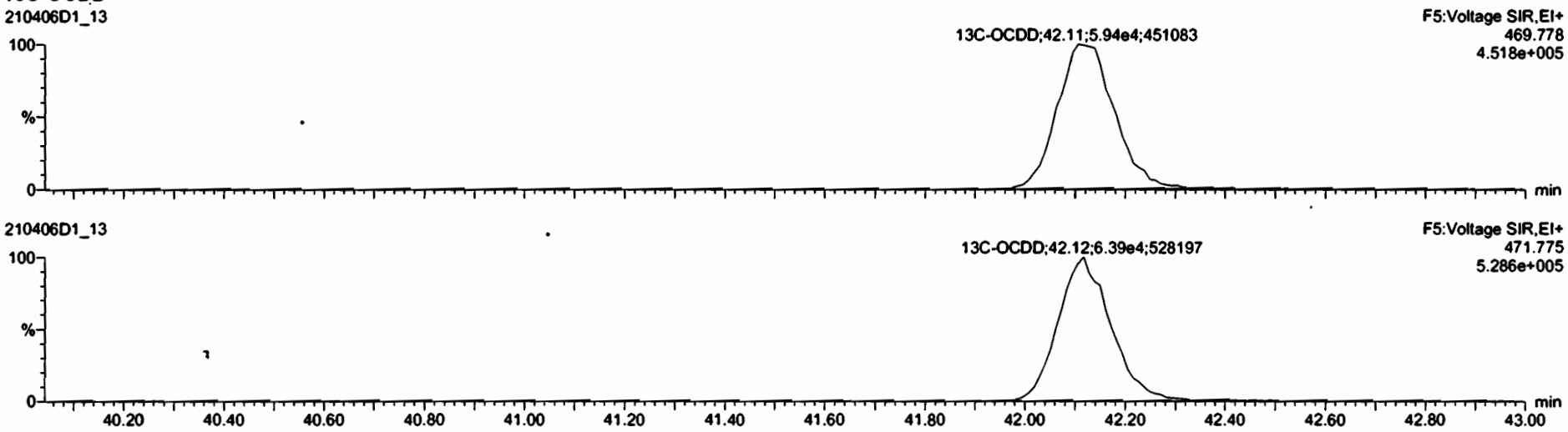
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_13, Date: 06-Apr-2021, Time: 17:37:29, ID: 2103216-07 USMPDI-060RAB-00-10-210317 11.81, Description: USMPDI-060RAB-00-10-210317

OCDD



13C-OCDD



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Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
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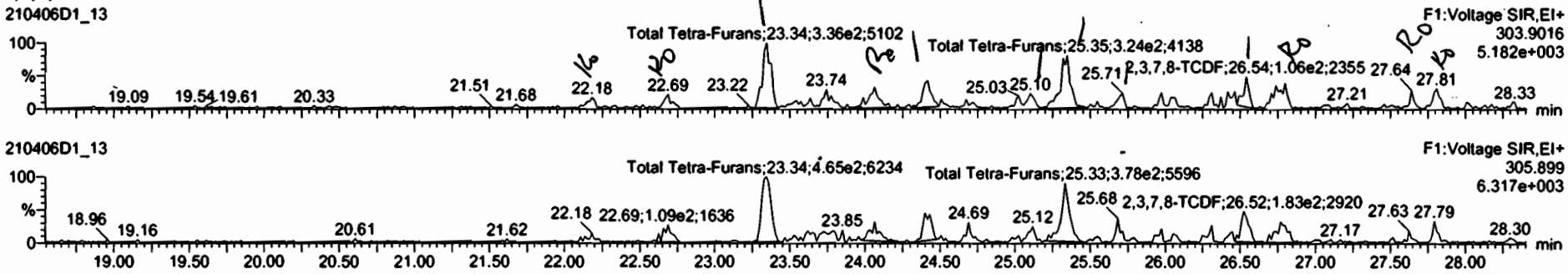
Name: 210406D1_13, Date: 06-Apr-2021, Time: 17:37:29, ID: 2103216-07 USMPDI-060RAB-00-10-210317 11.81, Description: USMPDI-060RAB-00-10-210317

2,3,7,8-TCDF



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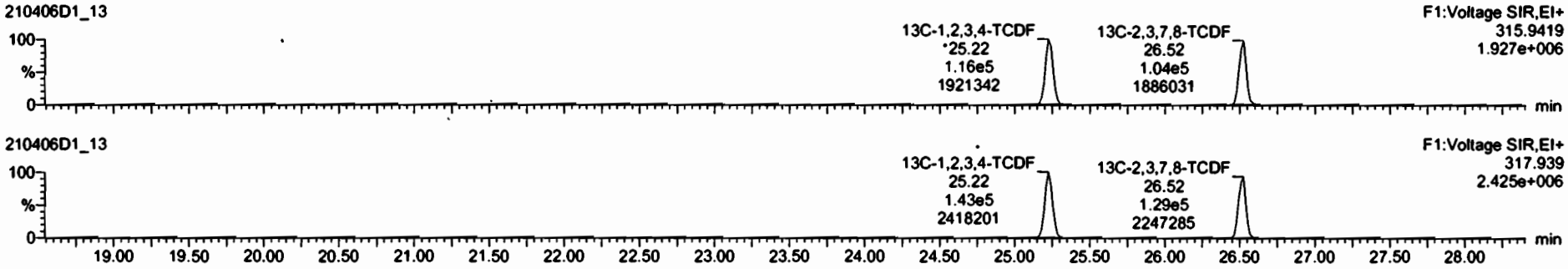
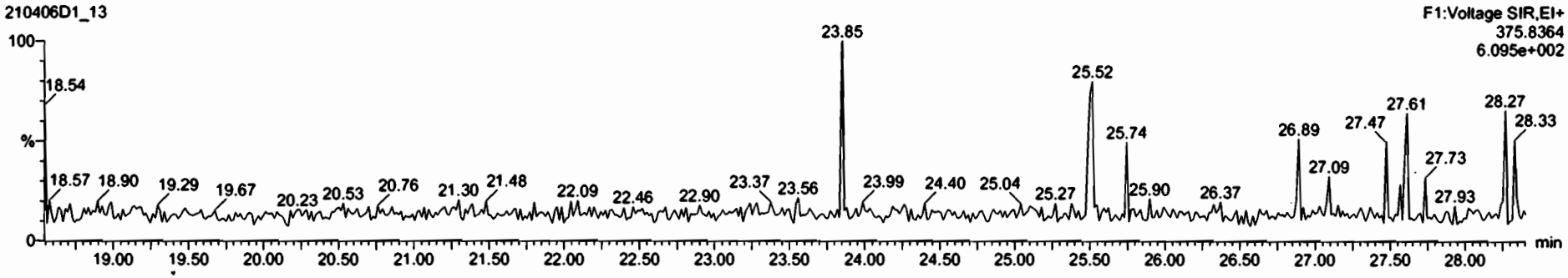


DPE1



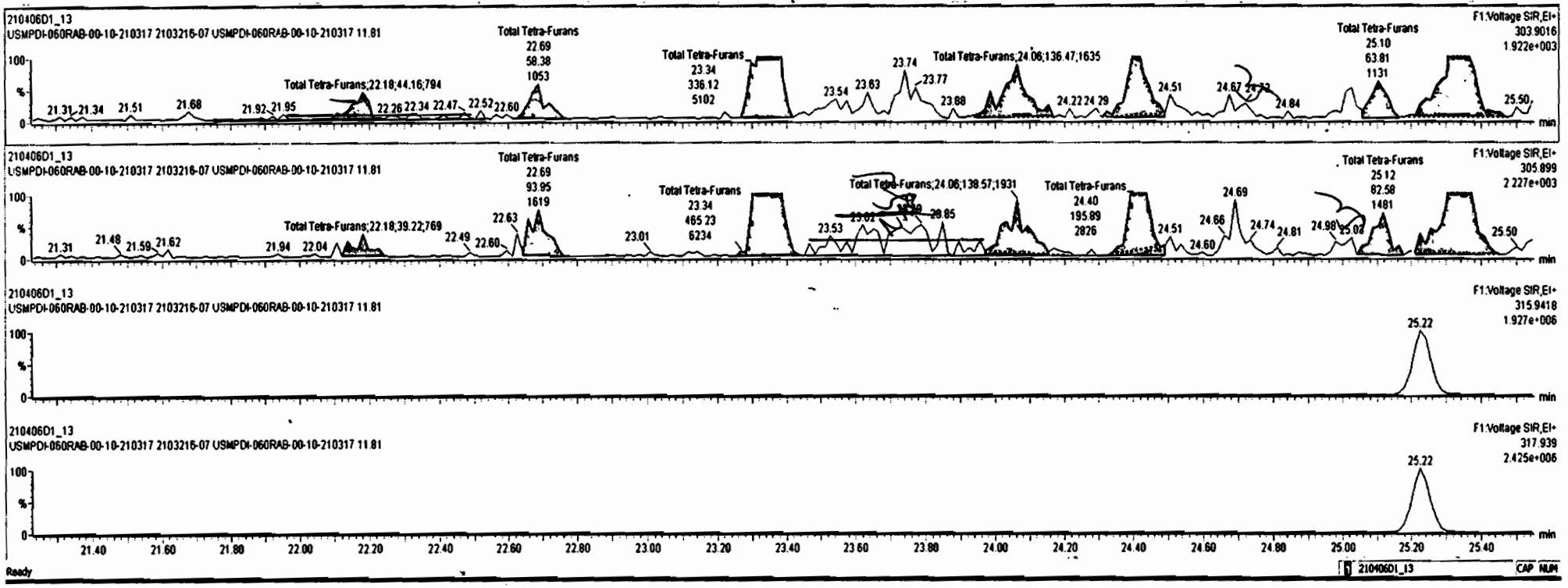
TargetLynx - 210406D1-13.qld * - [Chromatogram]

File Edit View Display Processing Window Help

210406D1_13 - 2103216-07 USMPDI-060RAB-00-10-210317 11.81 - USMPDI-060RAB-00-10-210317

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
42	Total Hepta-Dioxins				1.06	10.355			92.0		0.721	92.0
43	Total Tetra-Furans				0.99	10.355			2.06		0.0830	2.85
44	1st Func. Penta-Furans				1.02	10.355			3.94		0.0295	3.94
45	Total Penta-Furans				1.02	10.355			3.96		0.119	4.47
46	Total Hexa-Furans				1.13	10.355			11.0		0.168	11.3
47	Total Hepta-Furans				1.11	10.355			18.8		0.163	18.8
48	PFK1											

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Tetra-Furans	22.18	4.416e1	3.922e1	1.13	YES	0.058038	0.00000
2	Total Tetra-Furans	22.69	5.838e1	9.395e1	0.62	YES	0.11218	0.00000
3	Total Tetra-Furans	23.34	3.361e2	4.652e2	0.72	NO	0.66994	0.66994
4	Total Tetra-Furans	24.06	1.365e2	1.386e2	0.98	YES	0.20505	0.00000
5	Total Tetra-Furans	24.41	1.500e2	1.959e2	0.77	NO	0.28919	0.28919
6	Total Tetra-Furans	25.10	6.381e1	8.258e1	0.77	NO	0.12239	0.12239
7	Total Tetra-Furans	25.35	3.194e2	3.905e2	0.82	NO	0.59352	0.59352
8	Total Tetra-Furans	25.71	6.335e1	8.881e1	0.71	NO	0.12721	0.12721
9	2,3,7,8-TCDF	26.54	1.212e2	1.834e2	0.66	NO	0.25464	0.25464
10	Total Tetra-Furans	26.80	1.805e2	1.758e2	1.03	YES	0.26011	0.00000
11	Total Tetra-Furans	27.64	4.975e1	3.999e1	1.24	YES	0.058165	0.00000



Ready

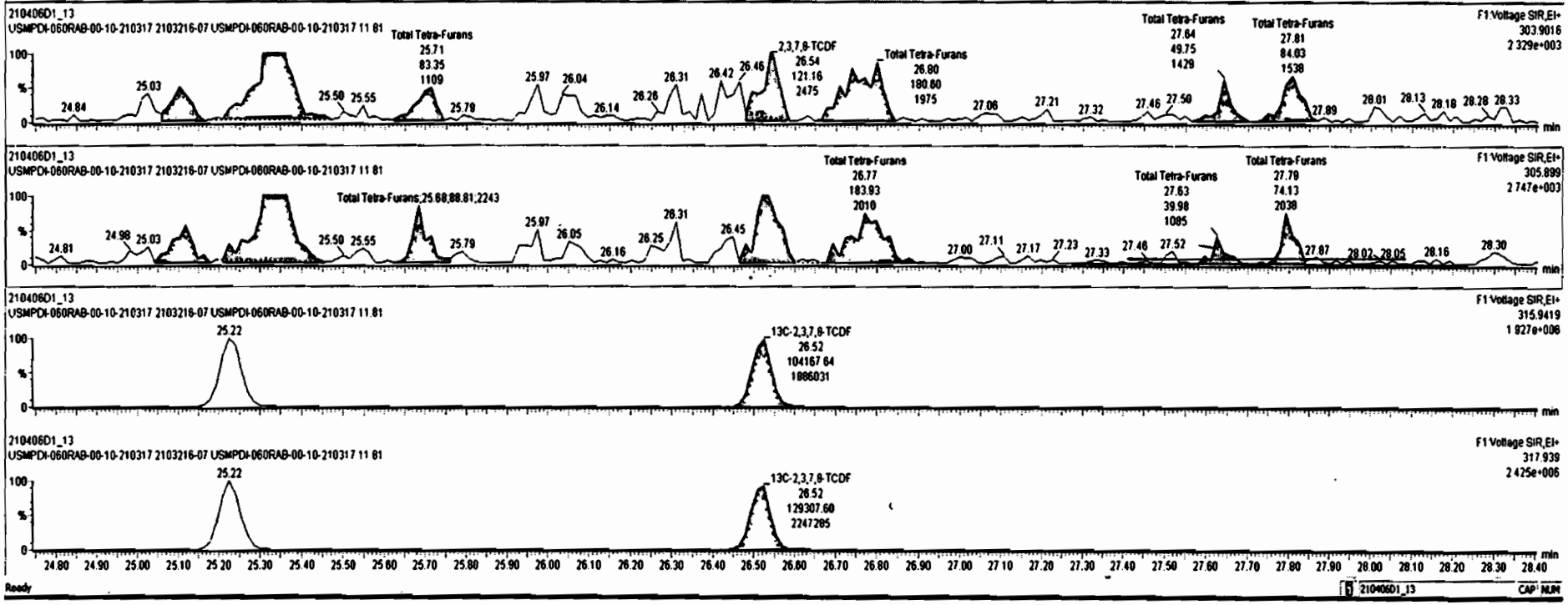
210406D1_13 CAP NUM

TargetLynx - 210406D1-13.qld * - [Chromatogram]

File Edit View Display Processing Window Help

	Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
34	13C-OCDF	1.86e5	0.93	NO	0.71	10.355	42.48	1.243	200	74.4	0.627	
35	37Cl-2,3,7,8-TCDD	6.18e4			1.11	10.355	27.10	1.025	71.3	92.3	0.0734	
36	13C-1,2,3,4-TCDD	1.51e5	0.75	NO	1.00	10.355	26.45	1.000	193	100	0.384	
37	13C-1,2,3,4-TCDF	2.58e5	0.81	NO	1.00	10.355	25.23	1.000	193	100	0.272	
38	13C-1,2,3,4,6,9-HxCDF	1.75e5	0.50	NO	1.00	10.355	34.17	1.000	193	100	0.631	
39	Total Tetra-Dioxins				1.00	10.355			0.303		0.0463	0.303
40	Total Penta-Dioxins				0.96	10.355			0.209		0.223	1.13
41	Total Hexa-Dioxins				1.04	10.355			11.0		0.258	11.0
42	Total Hepta-Dioxins				1.06	10.355			92.0		0.721	92.0

	Name	RT	wt Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Tetra-Furans	22.18	4.416e1	3.922e1	1.13	YES	0.058038	0.00000
2	Total Tetra-Furans	22.89	5.838e1	1.093e2	0.53	YES	0.11218	0.00000
3	Total Tetra-Furans	23.34	3.361e2	4.652e2	0.72	NO	0.66994	0.66994
4	Total Tetra-Furans	24.06	1.365e2	1.396e2	0.98	YES	0.20505	0.00000
5	Total Tetra-Furans	24.42	1.500e2	1.959e2	0.77	NO	0.28919	0.28919
6	Total Tetra-Furans	25.10	6.381e1	8.258e1	0.77	NO	0.12239	0.12239
7	Total Tetra-Furans	25.35	3.194e2	3.905e2	0.82	NO	0.58352	0.58352



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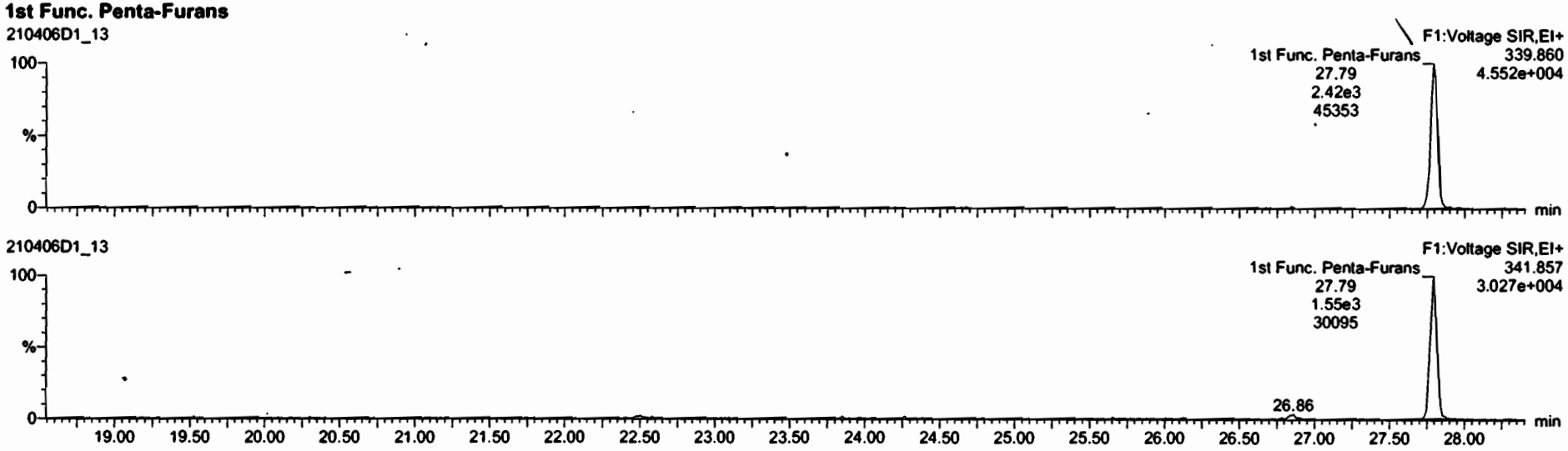
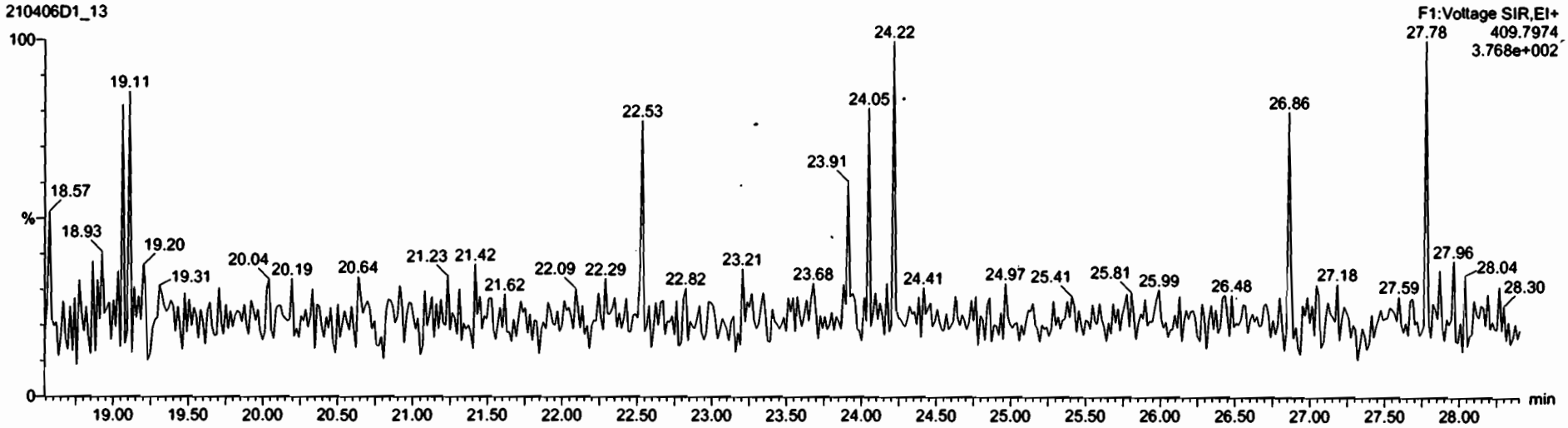
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_13, Date: 06-Apr-2021, Time: 17:37:29, ID: 2103216-07 USMPDI-060RAB-00-10-210317 11.81, Description: USMPDI-060RAB-00-10-210317

1st Func. Penta-Furans



DPE6



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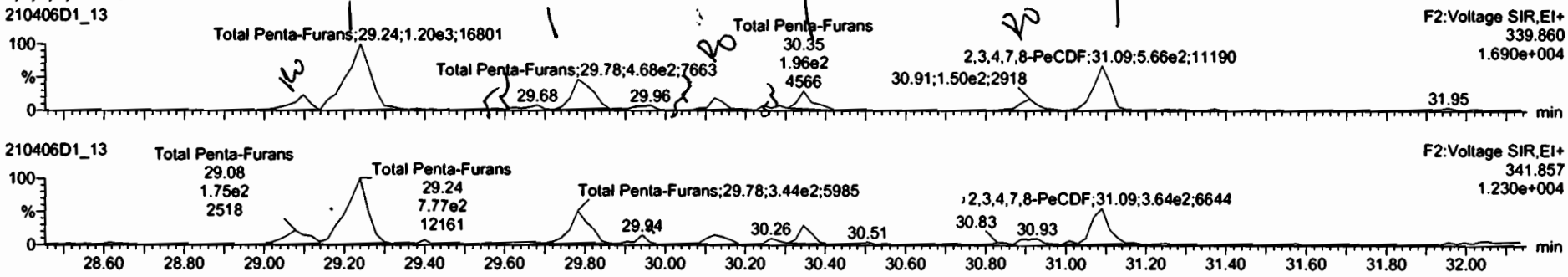
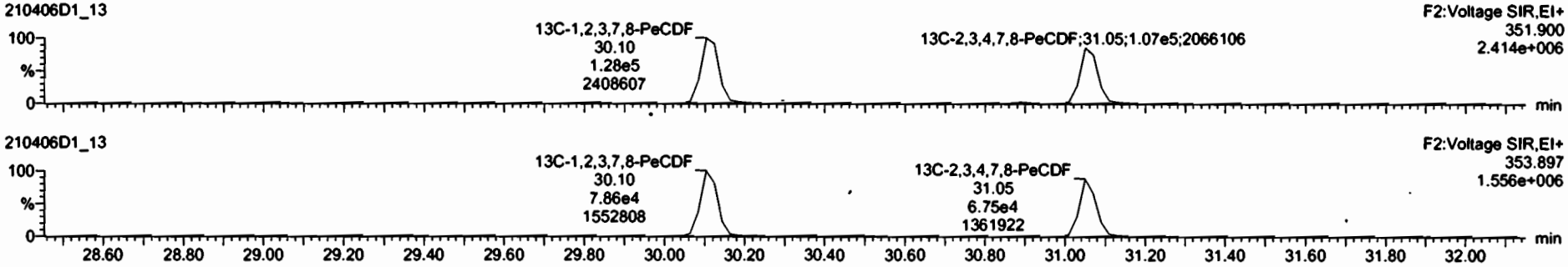
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_13, Date: 06-Apr-2021, Time: 17:37:29, ID: 2103216-07 USMPDI-060RAB-00-10-210317 11.81, Description: USMPDI-060RAB-00-10-210317

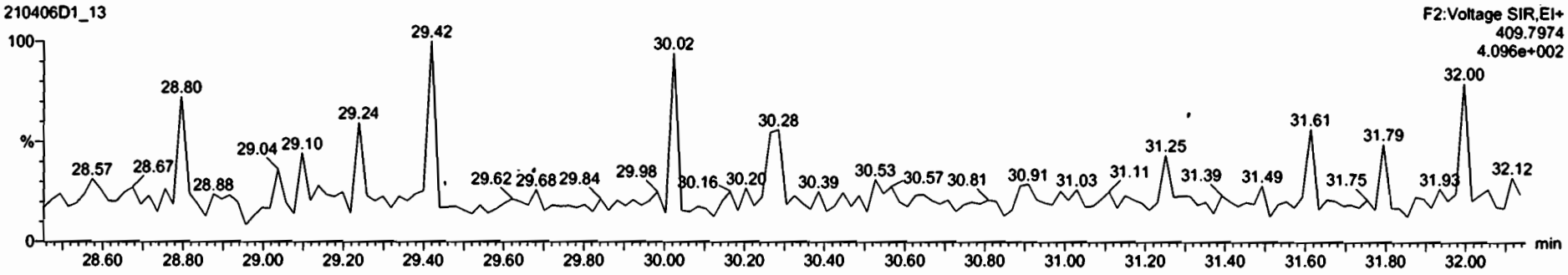
1,2,3,7,8-PeCDF



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



DPE2



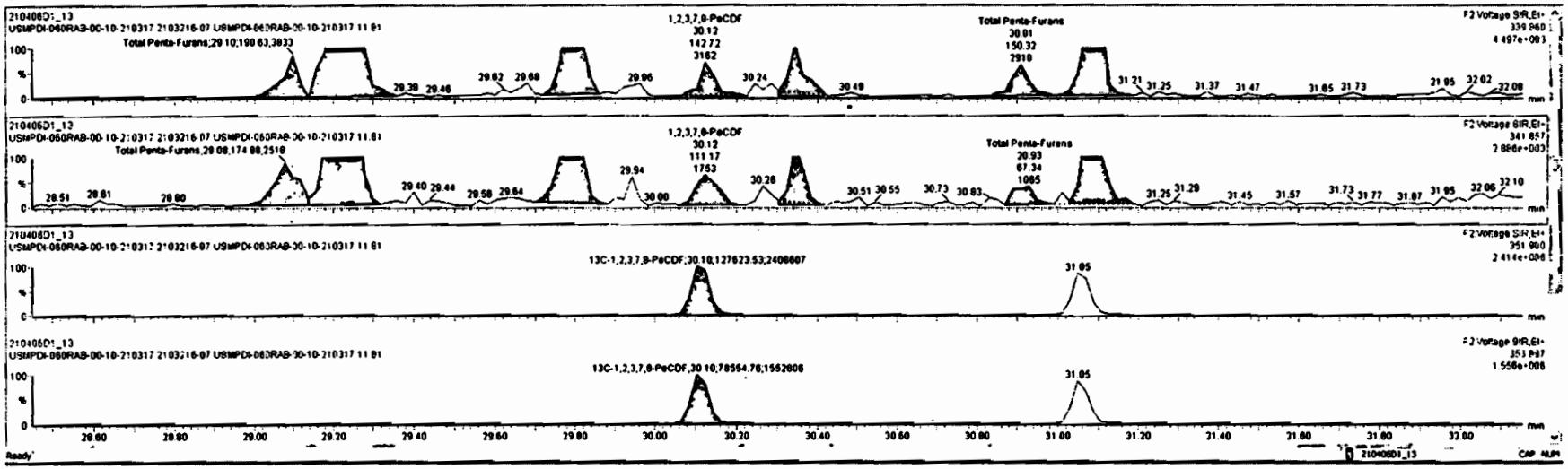
TargetLynx 210406D1-13.qld * [Chromatogram]

File Edit View Display Processing Window Help

210406D1_13 - 2103216-07 USMPDI-060RAB-00-10-210317 11:81 - USMPDI-060RAB-00-10-210317

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
44	1st Func Penta-Furans				1.02	10.355			3.94		0.0295	3.94
45	Total Penta-Furans				1.02	10.355			3.99		0.119	4.09
46	Total Hexa-Furans				1.13	10.355			11.0		0.168	11.3
47	Total Hepta-Furans				1.11	10.355			18.8		0.163	18.8
48	PFK1											
49	PFK2											
50	PFK3											
51	PFK4											
52	PFK5											

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Penta-Furans	29.10	1.906e2	1.749e2	1.09	YES	0.31116	0.00000
2	Total Penta-Furans	29.24	1.199e3	7.775e2	1.54	NO	1.9814	1.9814
3	Total Penta-Furans	29.78	4.677e2	3.435e2	1.36	NO	0.80482	0.80482
4	1,2,3,7,8-PeCDF	30.12	1.427e2	1.112e2	1.28	YES	0.21518	0.00000
5	Total Penta-Furans	30.35	2.244e2	1.435e2	1.58	NO	0.38504	0.38504
6	Total Penta-Furans	30.91	1.503e2	6.734e1	2.23	YES	0.17037	0.00000
7	2,3,4,7,8-PeCDF	31.09	5.658e2	3.497e2	1.62	NO	0.88186	0.88186



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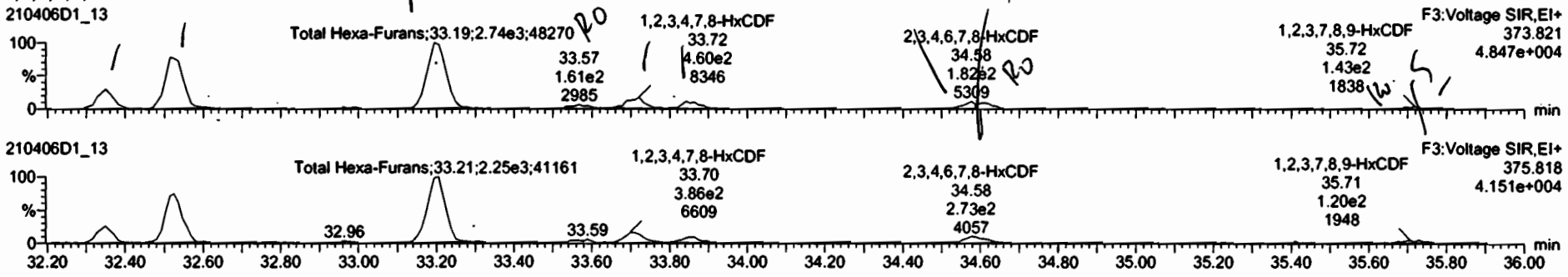
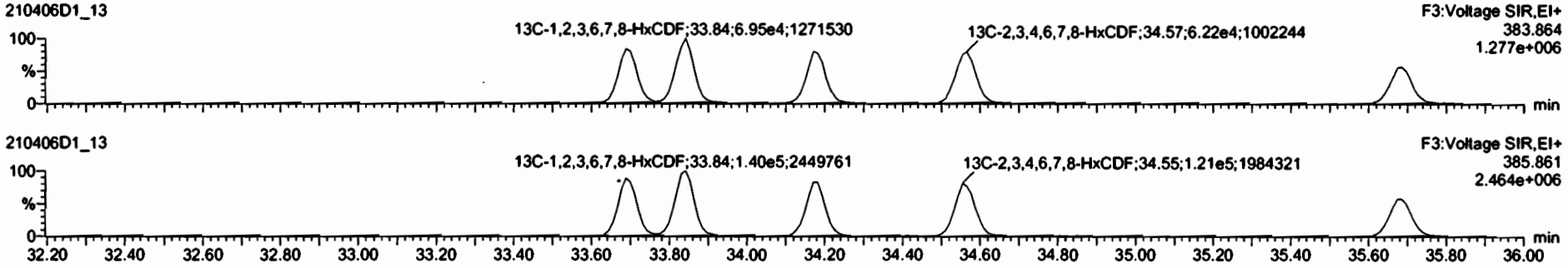
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_13, Date: 06-Apr-2021, Time: 17:37:29, ID: 2103216-07 USMPDI-060RAB-00-10-210317 11.81, Description: USMPDI-060RAB-00-10-210317

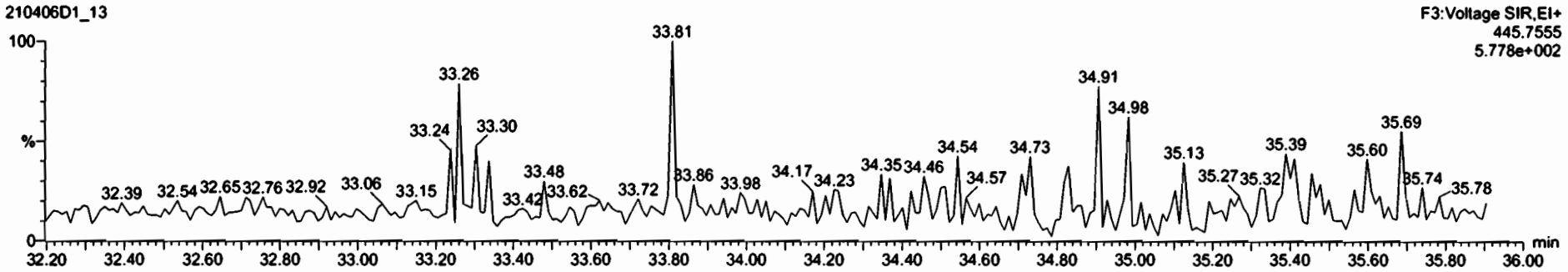
1,2,3,4,7,8-HxCDF

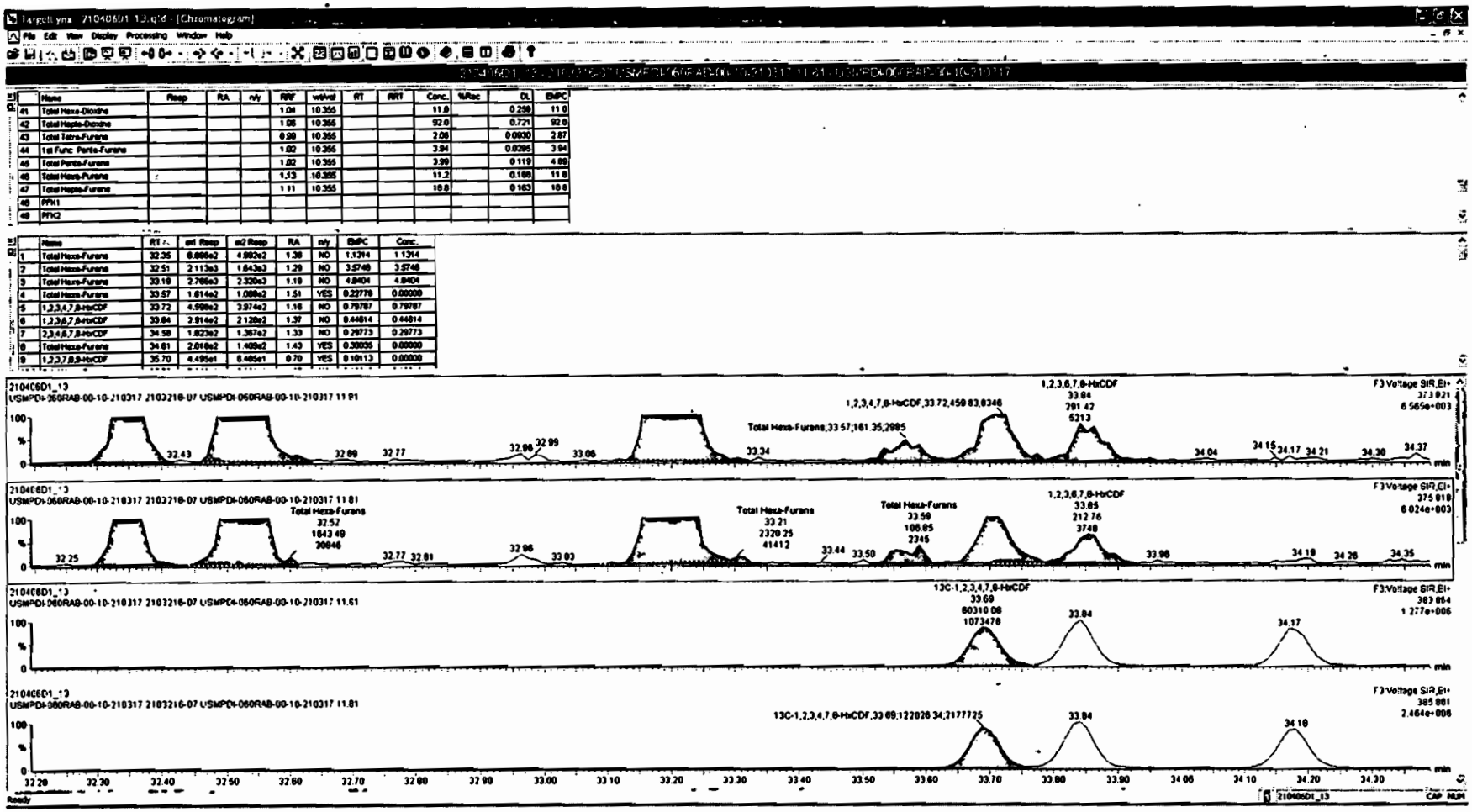


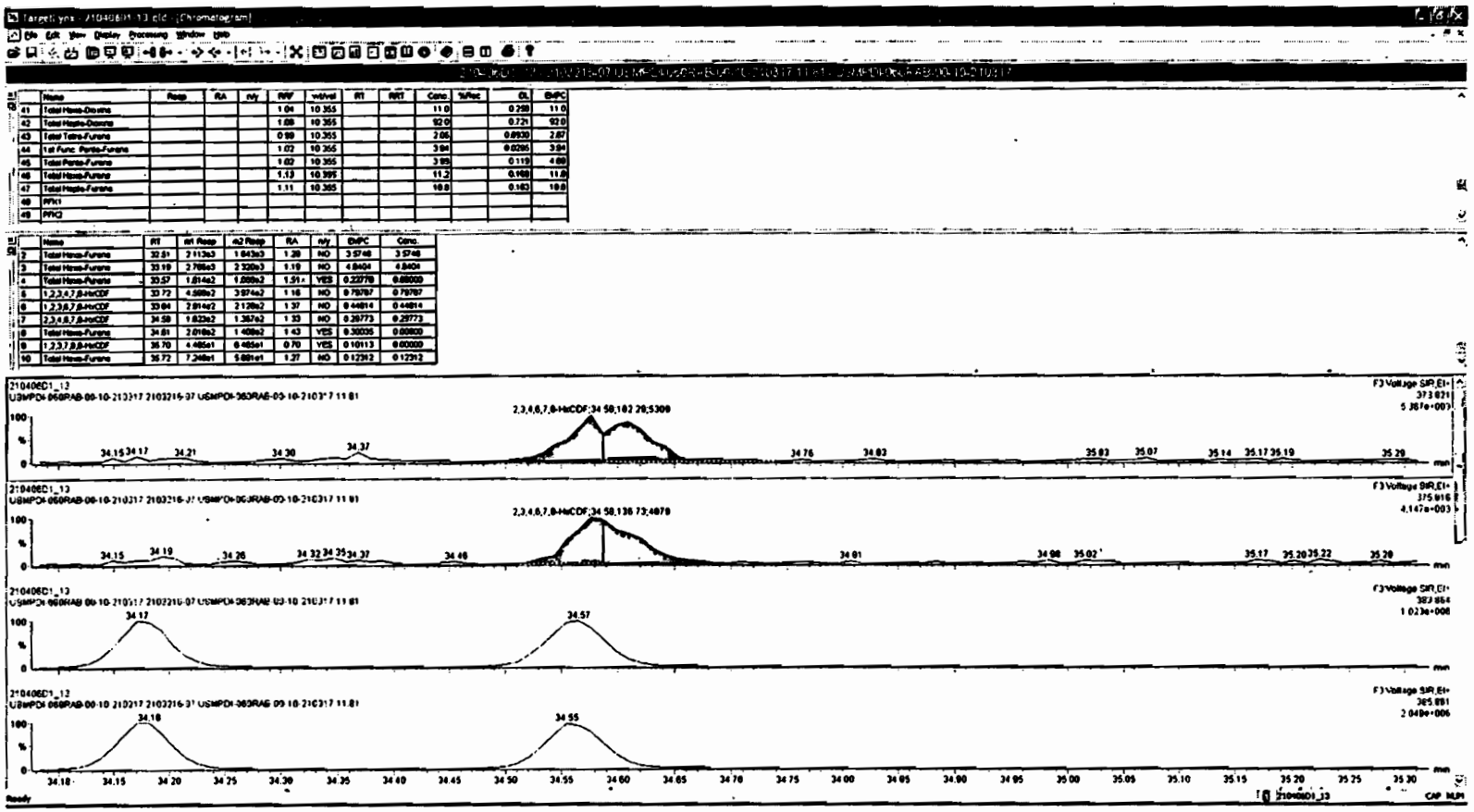
13C-1,2,3,4,7,8-HxCDF



DPE3

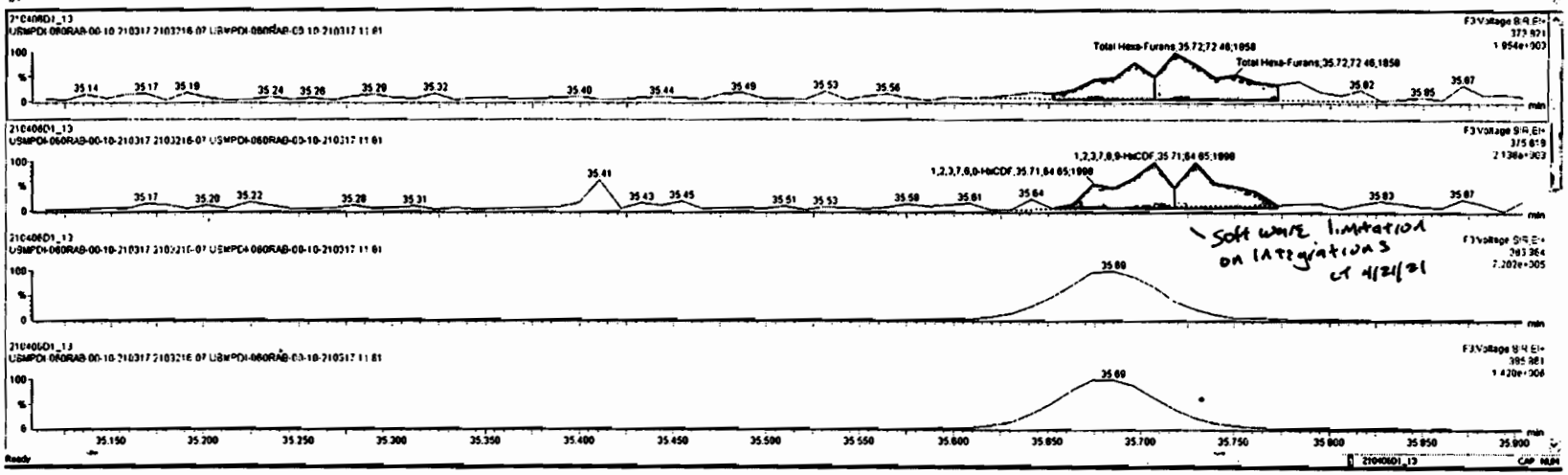



TargetLynx 21040601 13.qld - [Chromatogram]
File Edit View Display Processing Window Help
Name Resp RA n/y RRF wt/vol RT RRT Conc. %Rec DL EMPC
41 Total Hexa-Dioxins 1.04 10.355 11.0 0.259 11.0
42 Total Hepta-Dioxins 1.08 10.355 92.0 0.721 92.0
43 Total Tetra-Furans 0.98 10.355 2.08 0.0930 2.87
44 1st Func Penta-Furans 1.02 10.355 3.94 0.0295 3.94
45 Total Penta-Furans 1.02 10.355 3.99 0.119 4.89
46 Total Hexa-Furans 1.13 10.355 11.2 0.166 11.6
47 Total Hepta-Furans 1.11 10.355 18.8 0.163 18.8
48 PFK1
49 PFK2
Name RT r.. ion1 Resp ion2 Resp RA n/y EMPC Conc.
1 Total Hexa-Furans 32.35 6.886e2 4.882e2 1.38 NO 1.1314 1.1314
2 Total Hexa-Furans 32.51 2.113e3 1.643e3 1.29 NO 3.5748 3.5748
3 Total Hexa-Furans 33.19 2.786e3 2.320e3 1.19 NO 4.8404 4.8404
4 Total Hexa-Furans 33.57 1.614e2 1.089e2 1.51 YES 0.22778 0.00000
5 1,2,3,4,7,8-HxCDF 33.72 4.598e2 3.974e2 1.16 NO 0.79787 0.79787
6 1,2,3,6,7,8-HxCDF 33.84 2.914e2 2.128e2 1.37 NO 0.44814 0.44814
7 2,3,4,6,7,8-HxCDF 34.58 1.823e2 1.367e2 1.33 NO 0.29773 0.29773
8 Total Hexa-Furans 34.81 2.018e2 1.409e2 1.43 YES 0.30035 0.00000
9 1,2,3,7,8,9-HxCDF 35.70 4.495e1 8.465e1 0.70 YES 0.10113 0.00000
21040601_13
USMPDI-060RAB-00-10-210317 2103216-07 USMPDI-060RAB-00-10-210317 11.61
F3 Voltage SIR,EI+
373.921
6.565e+003
1,2,3,6,7,8-HxCDF 33.84 291.42 5213
1,2,3,4,7,8-HxCDF,33.72,458.83,8348
Total Hexa-Furans,33.57,161.35,2985
32.43 32.88 32.77 32.96 32.99 33.06 33.34 34.04 34.15 34.17 34.21 34.30 34.37
F3 Voltage SIR,EI+
375.919
6.024e+003
Total Hexa-Furans 32.52 1643.49 30946
Total Hexa-Furans 33.21 2320.25 41412
Total Hexa-Furans 33.59 106.85 2345
1,2,3,6,7,8-HxCDF 33.85 212.76 3748
32.25 32.77 32.81 32.96 33.03 33.44 33.50 33.98 34.19 34.26 34.35
F3:Voltage SIR,EI+
383.864
1.277e+006
13C-1,2,3,4,7,8-HxCDF 33.69 60310.08 1073478
33.84 34.17
F3:Voltage SIR,EI+
385.881
2.464e+006
13C-1,2,3,4,7,8-HxCDF,33.69,122026.34,2177725
33.84 34.18
32.20 32.30 32.40 32.50 32.60 32.70 32.80 32.90 33.00 33.10 33.20 33.30 33.40 33.50 33.60 33.70 33.80 33.90 34.00 34.10 34.20 34.30
Ready
21040601_13
CAP NUM


2,3,4,6,7,8-HxCDF 34.58 102 20.5309
2,3,4,6,7,8-HxCDF 34.58 136.73 4878
34.17
34.57
34.18
34.55

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
41	Total Hexa-Dioxins				1.04	10.355			11.0		0.259	11.0
42	Total Hepta-Dioxins				1.06	10.355			92.0		0.721	92.0
43	Total Tetra-Furans				0.99	10.355			2.06		0.0830	2.67
44	1st Func. Penta-Furans				1.02	10.355			3.94		0.0295	3.94
45	Total Penta-Furans				1.02	10.355			3.99		0.119	4.89
46	Total Hexa-Furans				1.13	10.355			11.2		0.189	11.8
47	Total Hepta-Furans				1.11	10.355			18.8		0.163	18.8
48	PFK1											
49	PFK2											

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
2	Total Hexa-Furans	32.51	2.113e3	1.643e3	1.29	NO	3.5748	3.5748
3	Total Hexa-Furans	33.19	2.786e3	2.320e3	1.19	NO	4.8404	4.8404
4	Total Hexa-Furans	33.57	1.814e2	1.088e2	1.51	YES	0.22778	0.00000
5	1,2,3,4,7,8-HxCDF	33.72	4.599e2	3.974e2	1.16	NO	0.78787	0.78787
6	1,2,3,6,7,8-HxCDF	33.84	2.914e2	2.128e2	1.37	NO	0.44614	0.44614
7	2,3,4,6,7,8-HxCDF	34.58	1.823e2	1.387e2	1.33	NO	0.29773	0.29773
8	Total Hexa-Furans	34.81	2.016e2	1.409e2	1.43	YES	0.30035	0.00000
9	1,2,3,7,8,9-HxCDF	35.70	4.495e1	6.485e1	0.70	YES	0.10113	0.00000
10	Total Hexa-Furans	35.72	7.246e1	5.891e1	1.27	NO	0.12312	0.12312



Soft wave limitation on integrations cf 4/21/21

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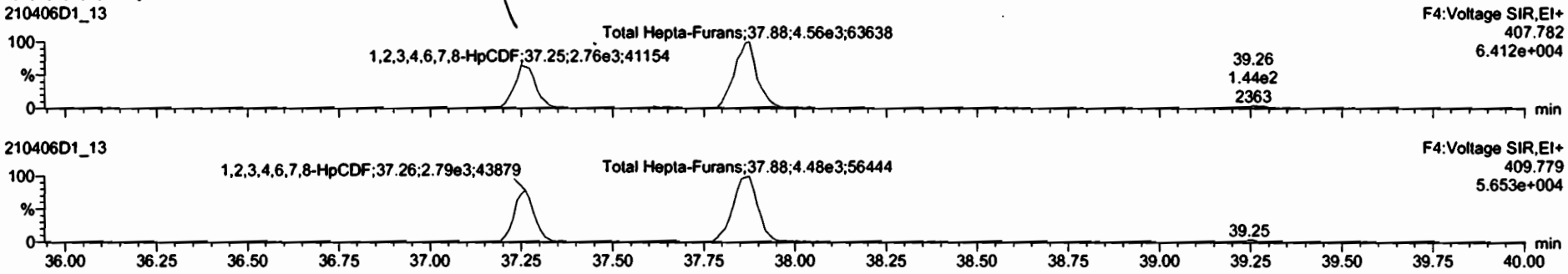
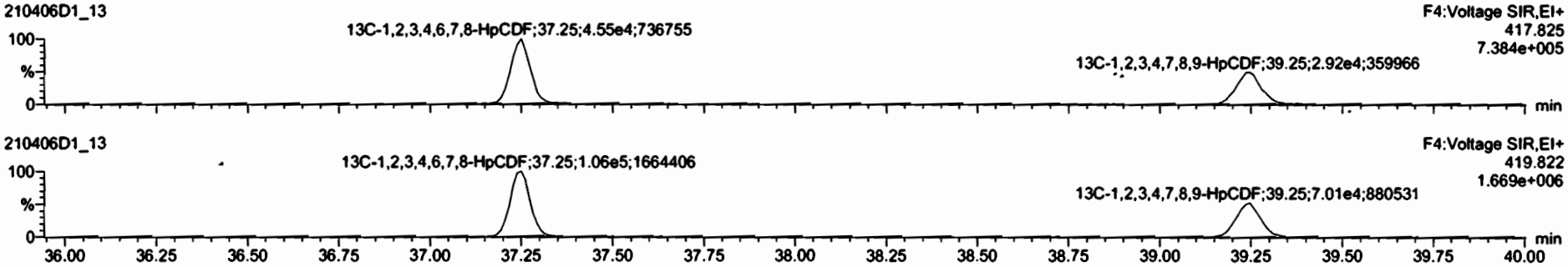
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_13, Date: 06-Apr-2021, Time: 17:37:29, ID: 2103216-07 USMPDI-060RAB-00-10-210317 11.81, Description: USMPDI-060RAB-00-10-210317

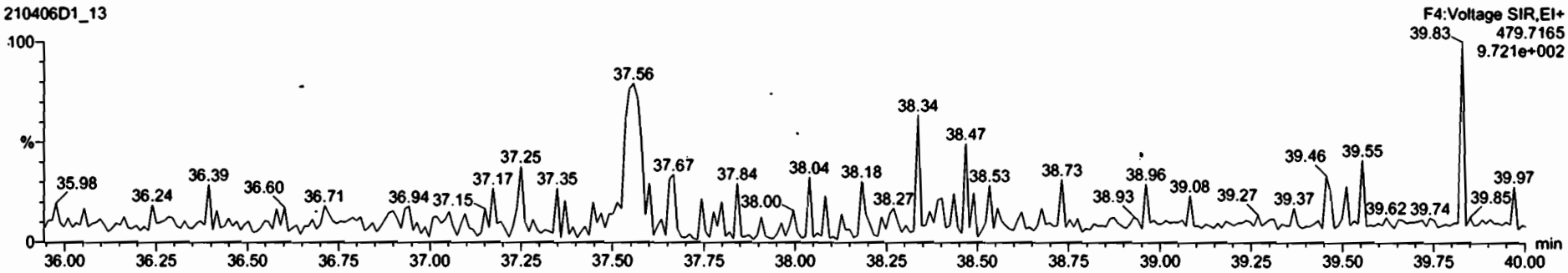
1,2,3,4,6,7,8-HpCDF



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



DPE4



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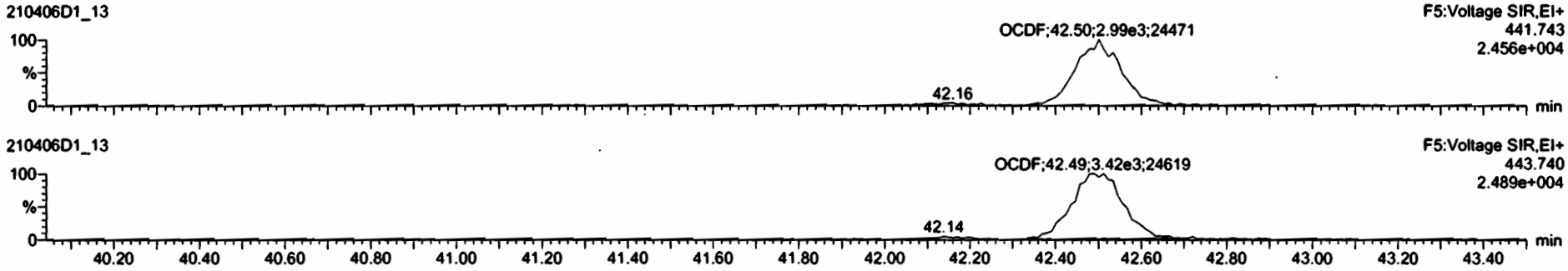
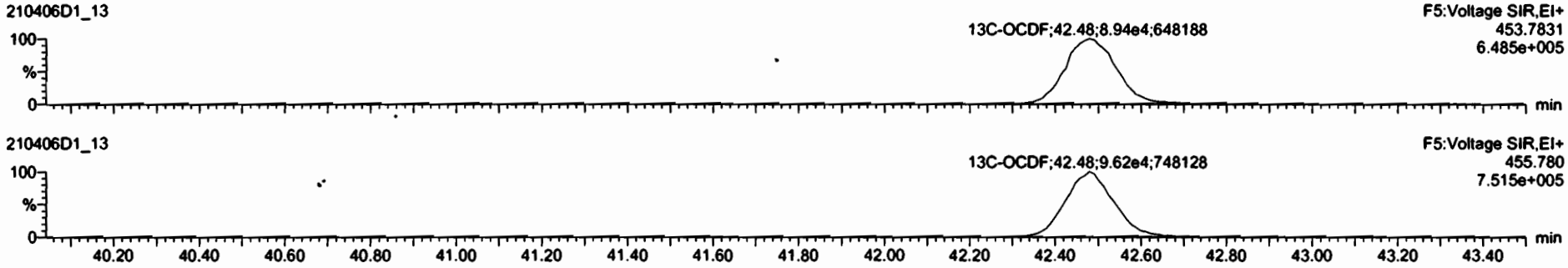
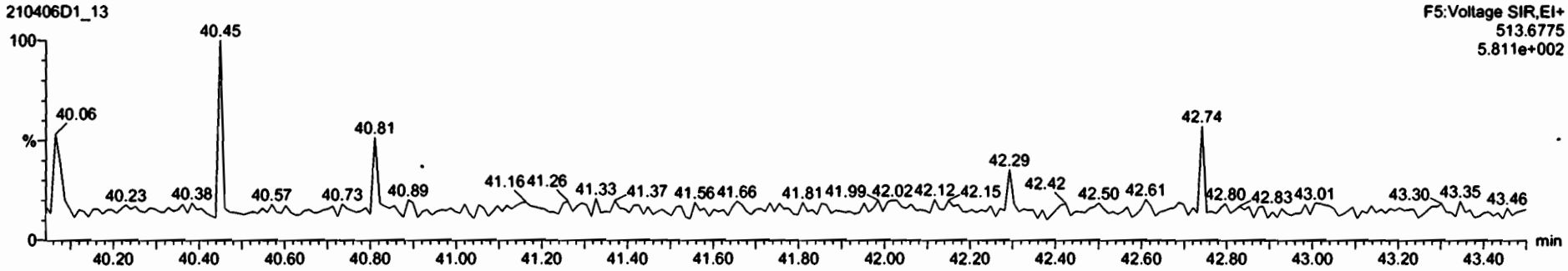
OCDF



13C-OCDF



DPE5



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Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

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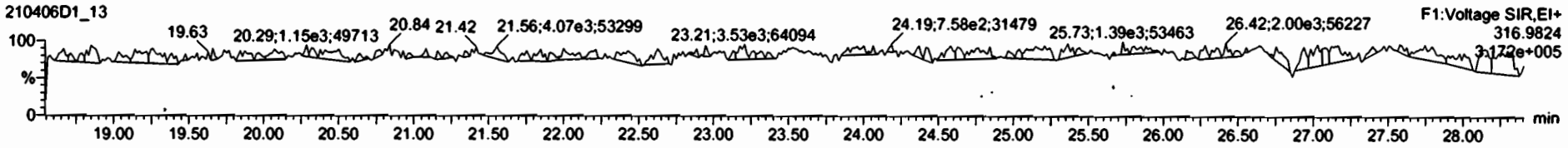
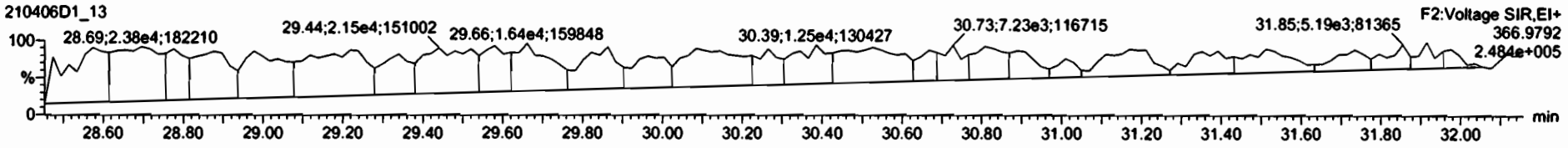
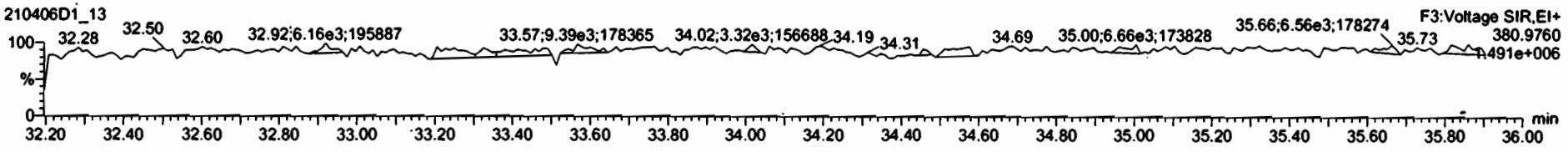
PFK1



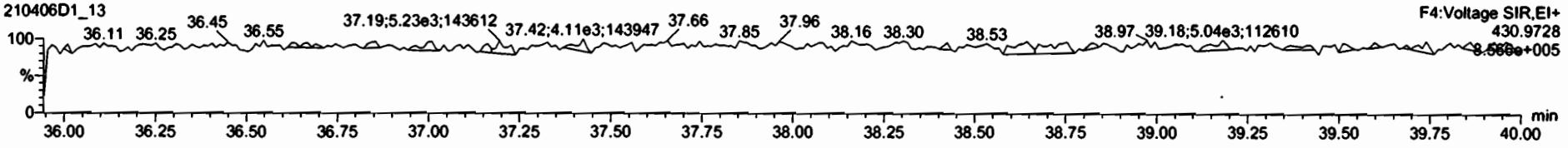
PFK2



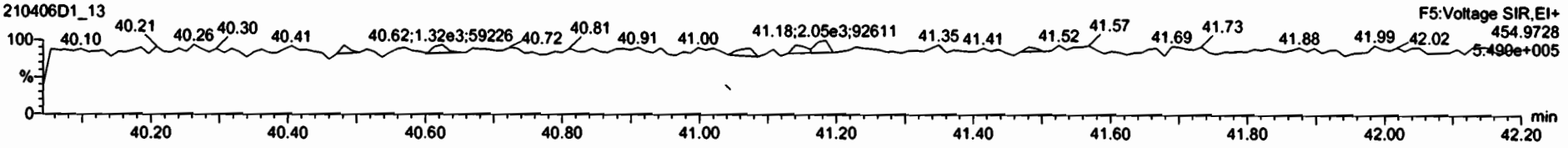
PFK3



PFK4



PFK5



Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-14.qld

Last Altered: Wednesday, April 21, 2021 15:24:13 Pacific Daylight Time
Printed: Wednesday, April 21, 2021 15:28:41 Pacific Daylight Time

dly 04-21-2021

C 04/21/2021

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_4-6-21.mdb 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210406D1_14, Date: 06-Apr-2021, Time: 18:24:08, ID: 2103216-08 USMPDI-060RAB-10-20-210317 12.05, Description: USMPDI-060RAB-10-20-210317

	#	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												0.0637	
2	2	1,2,3,7,8-PeCDD	7.29e1	0.56	NO	0.961	10.060	31.232	31.23	1.001	1.001	0.11023		0.143	0.110
3	3	1,2,3,4,7,8-HxCDD			NO	1.18	10.060	34.674		1.000				0.174	
4	4	1,2,3,6,7,8-HxCDD	3.62e2	1.17	NO	1.04	10.060	34.810	34.82	1.000	1.001	0.59244		0.184	0.592
5	5	1,2,3,7,8,9-HxCDD				1.06	10.060	35.120		1.001				0.0969	
6	6	1,2,3,4,6,7,8-HpCDD	7.90e3	1.01	NO	1.06	10.060	38.490	38.50	1.000	1.001	16.133		0.645	16.1
7	7	OCDD	5.81e4	0.88	NO	0.977	10.060	42.106	42.11	1.000	1.000	210.47		1.13	210
8	8	2,3,7,8-TCDF	3.89e2	0.53	YES	0.989	10.060	26.520	26.51	1.001	1.001	0.29082		0.0860	0.231
9	9	1,2,3,7,8-PeCDF	4.36e2	1.70	NO	1.02	10.060	30.125	30.10	1.001	1.000	0.38674		0.0781	0.387
10	10	2,3,4,7,8-PeCDF	1.05e3	1.66	NO	1.17	10.060	31.080	31.07	1.001	1.001	0.91149		0.0744	0.911
11	11	1,2,3,4,7,8-HxCDF	1.33e3	1.15	NO	1.14	10.060	33.704	33.69	1.001	1.000	1.3575		0.134	1.36
12	12	1,2,3,6,7,8-HxCDF	3.81e2	1.05	YES	1.04	10.060	33.829	33.83	1.000	1.000	0.37767		0.142	0.350
13	13	2,3,4,6,7,8-HxCDF	4.71e2	1.15	NO	1.13	10.060	34.551	34.56	1.000	1.000	0.47985		0.149	0.480
14	14	1,2,3,7,8,9-HxCDF	9.85e1	0.78	YES	1.07	10.060	35.663	35.67	1.000	1.000	0.11538		0.181	0.0911
15	15	1,2,3,4,6,7,8-HpCDF	3.01e3	0.95	NO	1.11	10.060	37.275	37.25	1.001	1.000	3.8787		0.133	3.88
16	16	1,2,3,4,7,8,9-HpCDF	2.51e2	1.31	YES	1.32	10.060	39.202	39.20	1.000	1.000	0.39860		0.189	0.353
17	17	OCDF	3.78e3	0.97	NO	0.931	10.060	42.468	42.48	1.000	1.000	9.6308		0.678	9.63
18	18	13C-2,3,7,8-TCDD	1.78e5	0.73	NO	1.20	10.060	27.073	27.08	1.024	1.024	192.69	96.9	0.274	
19	19	13C-1,2,3,7,8-PeCDD	1.37e5	0.63	NO	0.864	10.060	31.225	31.21	1.181	1.181	206.57	104	0.205	
20	20	13C-1,2,3,4,7,8-HxCDD	1.07e5	1.27	NO	0.600	10.060	34.660	34.66	1.014	1.014	220.48	111	0.965	
21	21	13C-1,2,3,6,7,8-HxCDD	1.17e5	1.24	NO	0.674	10.060	34.779	34.80	1.018	1.018	213.04	107	0.859	
22	22	13C-1,2,3,7,8,9-HxCDD	1.23e5	1.32	NO	0.679	10.060	35.090	35.09	1.027	1.027	222.51	112	0.853	
23	23	13C-1,2,3,4,6,7,8-HpCDD	9.18e4	1.09	NO	0.558	10.060	38.439	38.48	1.125	1.126	202.56	102	1.07	
24	24	13C-OCDD	1.12e5	0.93	NO	0.496	10.060	42.047	42.11	1.230	1.232	278.91	70.1	0.478	
25	25	13C-2,3,7,8-TCDF	2.69e5	0.78	NO	1.03	10.060	26.494	26.49	1.002	1.002	207.46	104	0.326	
26	26	13C-1,2,3,7,8-PeCDF	2.19e5	1.62	NO	0.805	10.060	30.094	30.10	1.138	1.139	215.57	108	0.561	
27	27	13C-2,3,4,7,8-PeCDF	1.95e5	1.58	NO	0.748	10.060	31.046	31.05	1.174	1.175	206.75	104	0.604	
28	28	13C-1,2,3,4,7,8-HxCDF	1.72e5	0.50	NO	0.968	10.060	33.672	33.68	0.985	0.986	218.31	110	0.718	
29	29	13C-1,2,3,6,7,8-HxCDF	1.92e5	0.51	NO	1.08	10.060	33.840	33.82	0.990	0.990	218.39	110	0.640	
30	30	13C-2,3,4,6,7,8-HxCDF	1.73e5	0.50	NO	0.960	10.060	34.550	34.54	1.011	1.011	221.96	112	0.724	
31	31	13C-1,2,3,7,8,9-HxCDF	1.58e5	0.50	NO	0.869	10.060	35.661	35.66	1.044	1.044	223.68	113	0.799	

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-14.qld

Last Altered: Wednesday, April 21, 2021 15:24:13 Pacific Daylight Time
Printed: Wednesday, April 21, 2021 15:28:41 Pacific Daylight Time

Name: 210406D1_14, Date: 06-Apr-2021, Time: 18:24:08, ID: 2103216-08 USMPDI-060RAB-10-20-210317 12.05, Description: USMPDI-060RAB-10-20-210317

	#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32	13C-1,2,3,4,6,7,8-HpCDF	1.39e5	0.42	NO	0.794	10.060	37.219	37.24	1.089	1.090	214.90	108	0.915	
33	33	13C-1,2,3,4,7,8,9-HpCDF	9.51e4	0.43	NO	0.586	10.060	39.228	39.20	1.148	1.147	199.93	101	1.24	
34	34	13C-OCDF	1.68e5	0.91	NO	0.711	10.060	42.410	42.47	1.241	1.243	290.42	73.0	0.396	
35	35	37Cl-2,3,7,8-TCDD	6.68e4			1.11	10.060	27.083	27.09	1.025	1.025	78.702	99.0	0.0844	
36	36	13C-1,2,3,4-TCDD	1.52e5	0.79	NO	1.00	10.060	26.420	26.43	1.000	1.000	198.80	100	0.329	
37	37	13C-1,2,3,4-TCDF	2.51e5	0.78	NO	1.00	10.060	25.210	25.23	1.000	1.000	198.80	100	0.335	
38	38	13C-1,2,3,4,6,9-HxCDF	1.61e5	0.49	NO	1.00	10.060	34.180	34.17	1.000	1.000	198.80	100	0.695	
39	39	Total Tetra-Dioxins				0.998	10.060	24.620		0.000		0.00000		0.0376	0.0834
40	40	Total Penta-Dioxins				0.961	10.060	29.960		0.000		0.62060		0.143	0.667
41	41	Total Hexa-Dioxins				1.04	10.060	33.635		0.000		2.2094		0.185	2.21
42	42	Total Hepta-Dioxins				1.06	10.060	37.640		0.000		34.947		0.645	34.9
43	43	Total Tetra-Furans				0.989	10.060	23.610		0.000		1.3178		0.0880	1.55
44	44	1st Func. Penta-Furans				1.02	10.060	27.730		0.000		2.1791		0.0320	2.18
45	45	Total Penta-Furans				1.02	10.060	29.275		0.000		1.5870		0.0816	3.33
46	46	Total Hexa-Furans				1.13	10.060	33.555		0.000		9.1587		0.148	9.60
47	47	Total Hepta-Furans				1.11	10.060	37.835		0.000		14.116		0.175	14.5

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-14.qld

Last Altered: Wednesday, April 21, 2021 15:24:13 Pacific Daylight Time
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Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_4-6-21.mdb 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210406D1_14, Date: 06-Apr-2021, Time: 18:24:08, ID: 2103216-08 USMPDI-060RAB-10-20-210317 12.05, Description: USMPDI-060RAB-10-20-210317

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	24.02	1.301e3	8.160e2	5.093e1	4.198e1	1.21	YES	0.000e0	0.00000	0.083361	0.0376

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	29.18	1.523e3	2.576e3	9.173e1	1.685e2	0.54	NO	2.603e2	0.39360	0.39360	0.143
2	Total Penta-Dioxins	29.62	5.080e2	5.760e2	1.720e1	3.100e1	0.55	NO	4.820e1	0.072891	0.072891	0.143
3	Total Penta-Dioxins	30.81	2.870e2	4.340e2	1.182e1	2.254e1	0.52	YES	0.000e0	0.00000	0.046270	0.143
4	1,2,3,7,8-PeCDD	31.23	7.400e2	7.330e2	2.608e1	4.681e1	0.56	NO	7.288e1	0.11023	0.11023	0.143
5	Total Penta-Dioxins	31.31	2.580e2	5.990e2	1.035e1	1.866e1	0.55	NO	2.902e1	0.043881	0.043881	0.143

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	32.88	1.065e4	8.078e3	5.590e2	4.187e2	1.34	NO	9.777e2	1.6169	1.6169	0.185
2	1,2,3,6,7,8-HxCDD	34.82	4.341e3	3.355e3	1.948e2	1.668e2	1.17	NO	3.615e2	0.59244	0.59244	0.184

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.55	6.432e4	5.657e4	4.783e3	4.426e3	1.08	NO	9.209e3	18.813	18.813	0.645
2	1,2,3,4,6,7,8-HpCDD	38.50	4.585e4	4.644e4	3.977e3	3.920e3	1.01	NO	7.897e3	16.133	16.133	0.645

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-14.qld

Last Altered: Wednesday, April 21, 2021 15:24:13 Pacific Daylight Time
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Name: 210406D1_14, Date: 06-Apr-2021, Time: 18:24:08, ID: 2103216-08 USMPDI-060RAB-10-20-210317 12.05, Description: USMPDI-060RAB-10-20-210317

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	23.33	3.754e3	5.386e3	2.434e2	3.708e2	0.66	NO	6.142e2	0.45902	0.45902	0.0880
2	Total Tetra-Furans	24.40	2.374e3	2.470e3	1.429e2	1.870e2	0.76	NO	3.299e2	0.24659	0.24659	0.0880
3	Total Tetra-Furans	25.32	3.211e3	3.021e3	2.261e2	3.035e2	0.74	NO	5.296e2	0.39580	0.39580	0.0880
4	Total Tetra-Furans	25.68	2.233e3	2.666e3	1.273e2	1.623e2	0.78	NO	2.895e2	0.21640	0.21640	0.0880
5	2,3,7,8-TCDF	26.51	2.371e3	5.272e3	1.342e2	2.549e2	0.53	YES	3.891e2	0.00000	0.23062	0.0880

Penta-Furans function 1

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1st Func. Penta-Furans	27.78	3.292e4	1.541e4	1.477e3	8.467e2	1.74	NO	2.323e3	2.1791	2.1791	0.0320

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	29.06	1.743e3	1.326e3	9.572e1	9.118e1	1.05	YES	0.000e0	0.00000	0.14770	0.0816
2	Total Penta-Furans	29.22	1.124e4	7.935e3	7.605e2	5.854e2	1.30	YES	0.000e0	0.00000	1.1735	0.0816
3	Total Penta-Furans	29.78	3.494e3	3.777e3	2.351e2	2.644e2	0.89	YES	0.000e0	0.00000	0.36281	0.0816
4	1,2,3,7,8-PeCDF	30.10	5.296e3	2.892e3	2.748e2	1.613e2	1.70	NO	4.361e2	0.38674	0.38674	0.0781
5	Total Penta-Furans	30.34	3.839e3	3.085e3	1.947e2	1.132e2	1.72	NO	3.079e2	0.28875	0.28875	0.0816
6	Total Penta-Furans	30.89	1.256e3	5.520e2	4.871e1	2.531e1	1.92	YES	0.000e0	0.00000	0.060529	0.0816
7	2,3,4,7,8-PeCDF	31.07	1.237e4	8.025e3	6.558e2	3.960e2	1.66	NO	1.052e3	0.91149	0.91149	0.0744

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-14.qld

Last Altered: Wednesday, April 21, 2021 15:24:13 Pacific Daylight Time
Printed: Wednesday, April 21, 2021 15:28:41 Pacific Daylight Time

Name: 210406D1_14, Date: 06-Apr-2021, Time: 18:24:08, ID: 2103216-08 USMPDI-060RAB-10-20-210317 12.05, Description: USMPDI-060RAB-10-20-210317

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.33	7.652e3	5.630e3	4.035e2	2.979e2	1.35	NO	7.014e2	0.71137	0.71137	0.148
2	Total Hexa-Furans	32.50	2.744e4	1.895e4	1.245e3	1.004e3	1.24	NO	2.249e3	2.2807	2.2807	0.148
3	Total Hexa-Furans	33.18	3.736e4	3.021e4	2.267e3	1.775e3	1.28	NO	4.042e3	4.0993	4.0993	0.148
4	1,2,3,4,7,8-HxCDF	33.69	1.159e4	1.107e4	7.132e2	6.207e2	1.15	NO	1.334e3	1.3575	1.3575	0.134
5	1,2,3,6,7,8-HxCDF	33.83	3.459e3	2.925e3	1.952e2	1.856e2	1.05	YES	3.808e2	0.00000	0.34976	0.142
6	2,3,4,6,7,8-HxCDF	34.56	3.665e3	4.069e3	2.518e2	2.195e2	1.15	NO	4.713e2	0.47985	0.47985	0.149
7	1,2,3,7,8,9-HxCDF	35.67	1.558e3	2.881e3	4.306e1	5.542e1	0.78	YES	9.848e1	0.00000	0.091132	0.191
8	Total Hexa-Furans	35.71	2.743e3	2.881e3	1.174e2	1.094e2	1.07	NO	2.268e2	0.23000	0.23000	0.148

Hepta-Furans

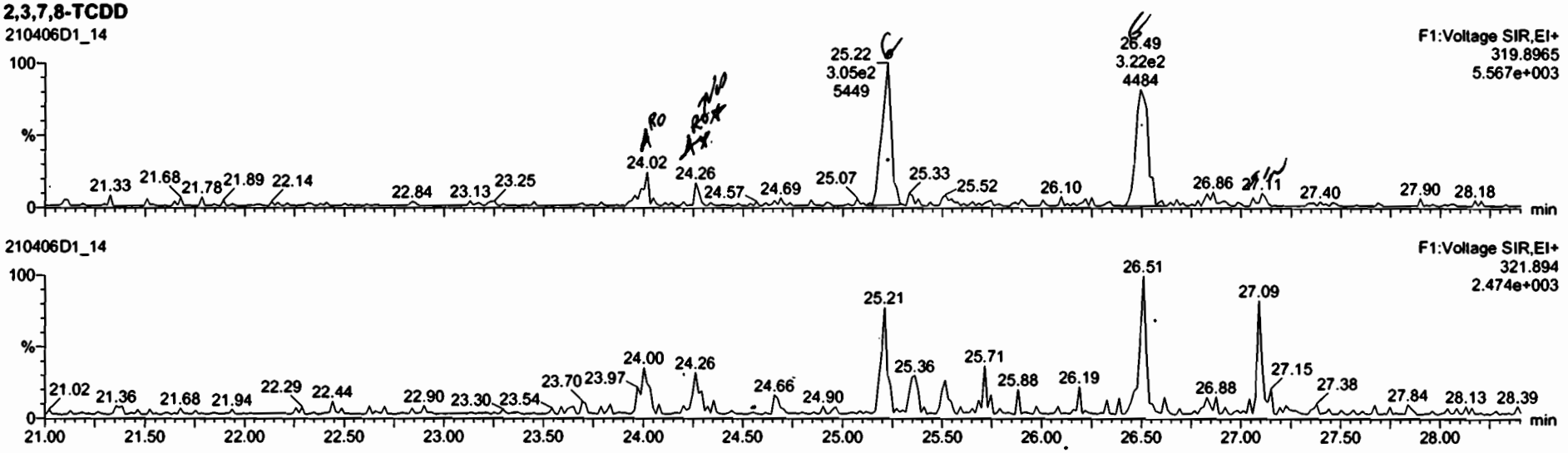
	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	37.25	2.719e4	2.324e4	1.470e3	1.543e3	0.95	NO	3.013e3	3.8787	3.8787	0.133
2	Total Hepta-Furans	37.84	4.952e4	4.893e4	3.330e3	3.376e3	0.99	NO	6.706e3	10.238	10.238	0.175
3	1,2,3,4,7,8,9-HpCDF	39.20	2.525e3	1.766e3	1.421e2	1.088e2	1.31	YES	2.509e2	0.00000	0.35268	0.199

Dataset: Untitled

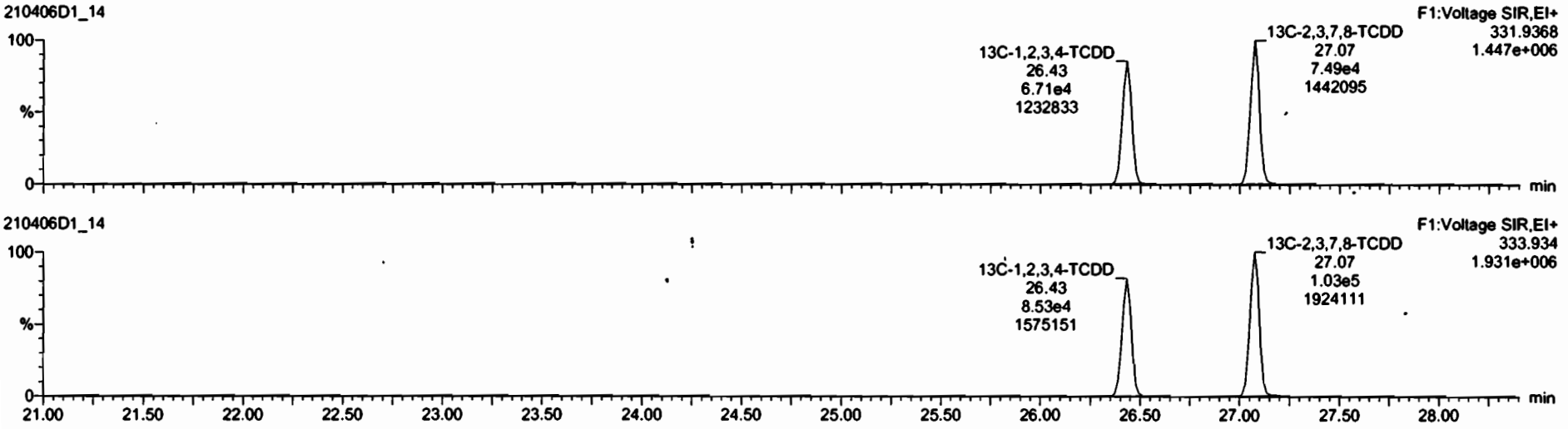
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

#4 04/16/2021
Name: 210406D1_14, Date: 06-Apr-2021, Time: 18:24:08, ID: 2103216-08 USMPDI-060RAB-10-20-210317 12.05, Description: USMPDI-060RAB-10-20-210317

2,3,7,8-TCDD



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



TargetLynx - 210406D1-14 - [Chromatogram]

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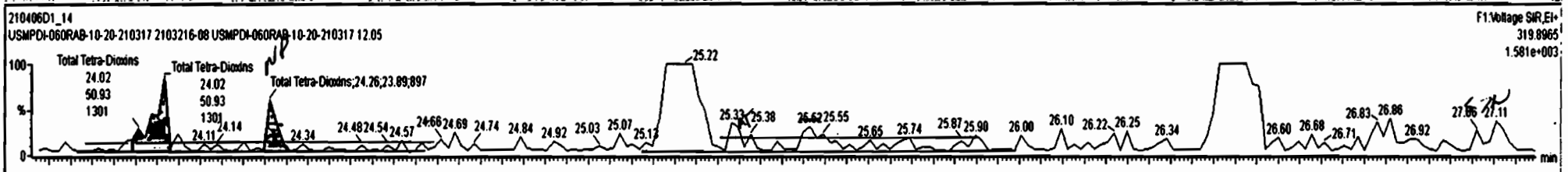
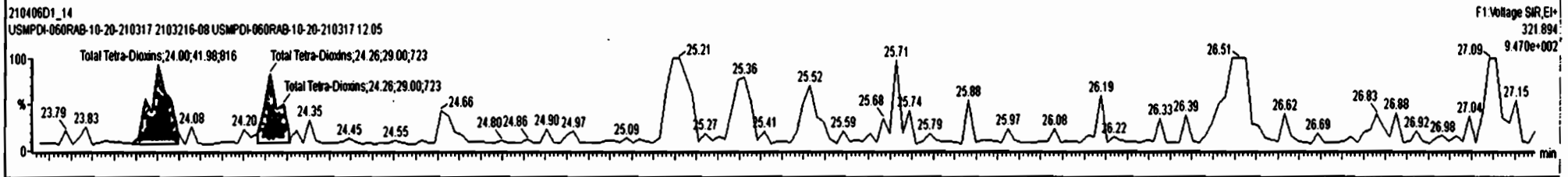
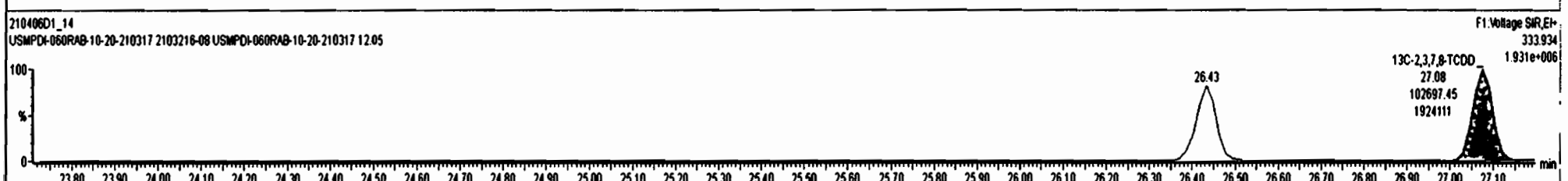
210406D1_14 - 2103216-08 USMPDI-060RAB-10-20-210317 12.05 - USMPDI-060RAB-10-20-210317

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
39	Total Tetra-Dioxins				0.9976	10.060			0.0593		0.0376	0.143
40	Total Penta-Dioxins				0.9613	10.060			0.000		0.0382	0.825
41	Total Hexa-Dioxins				1.0404	10.060			2.22		0.185	4.07
42	Total Hepta-Dioxins				1.0602	10.060			35.4		0.643	35.4
43	Total Tetra-Furans				0.9895	10.060			1.32		0.0880	1.53
44	1st Func. Penta-Furans				1.0221	10.060			2.18		0.0320	2.18
45	Total Penta-Furans				1.0221	10.060			2.83		0.0816	3.20
46	Total Hexa-Furans				1.1281	10.060			8.36		0.148	8.93

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Tetra-Dioxins	24.26	2.389e1	2.900e1	0.82	NO	0.059337	0.059337
2	Total Tetra-Dioxins	24.02	5.093e1	4.198e1	1.21	YES	0.083361	0.00000







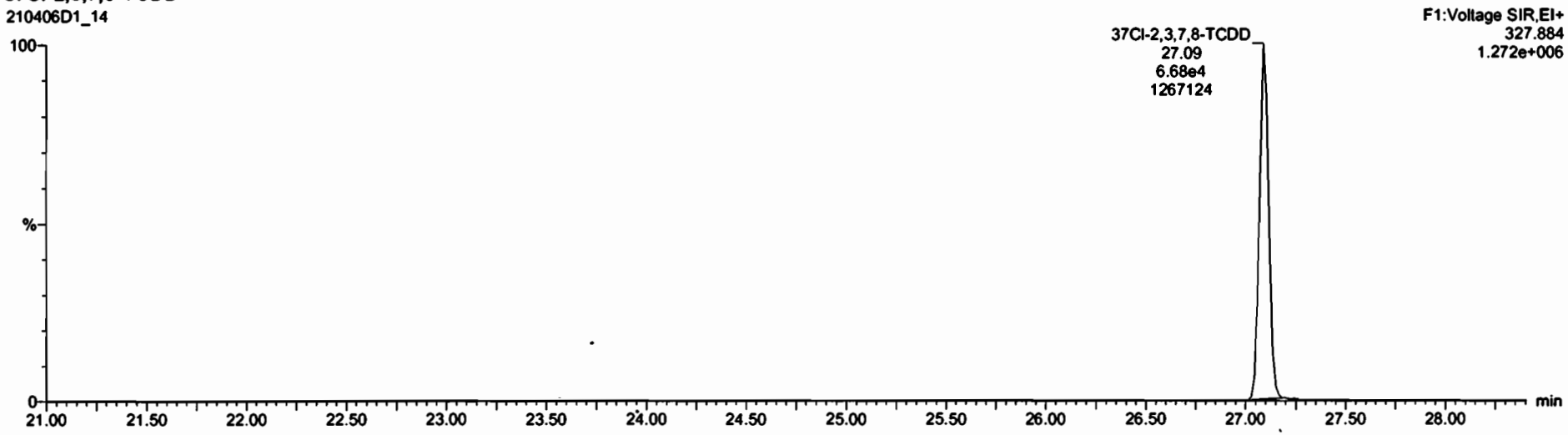
Ready 210406D1_14

Dataset: Untitled

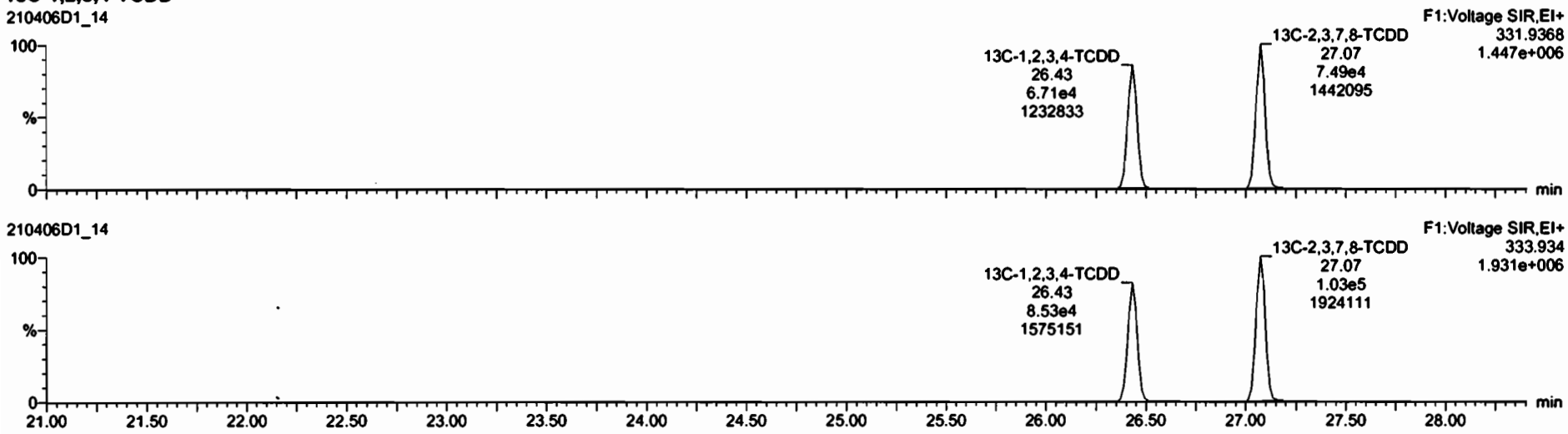
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_14, Date: 06-Apr-2021, Time: 18:24:08, ID: 2103216-08,USMPDI-060RAB-10-20-210317 12.05, Description: USMPDI-060RAB-10-20-210317

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



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



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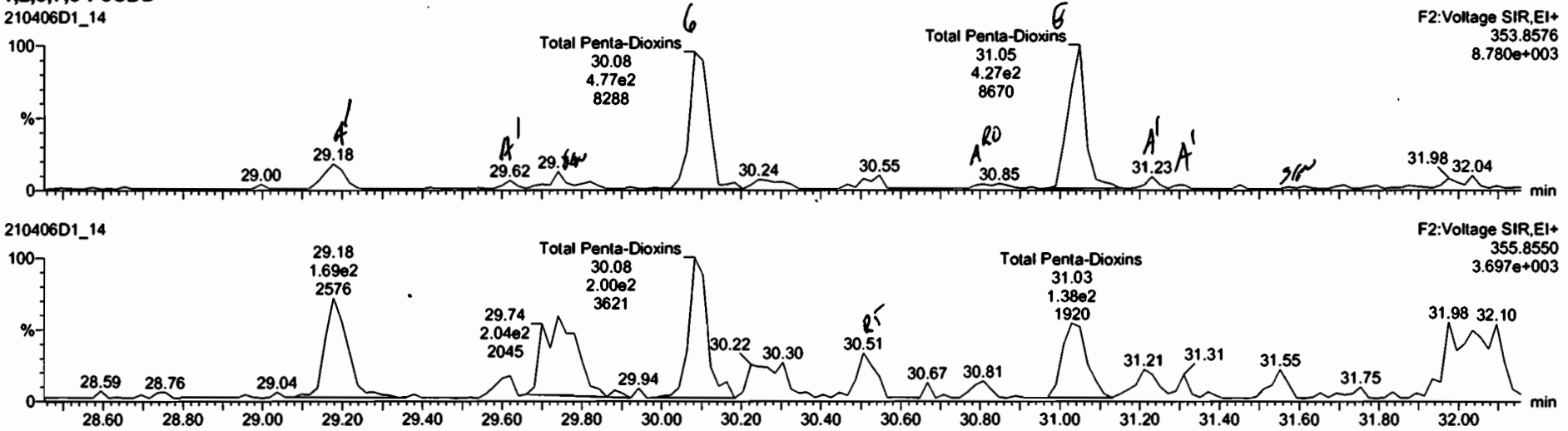
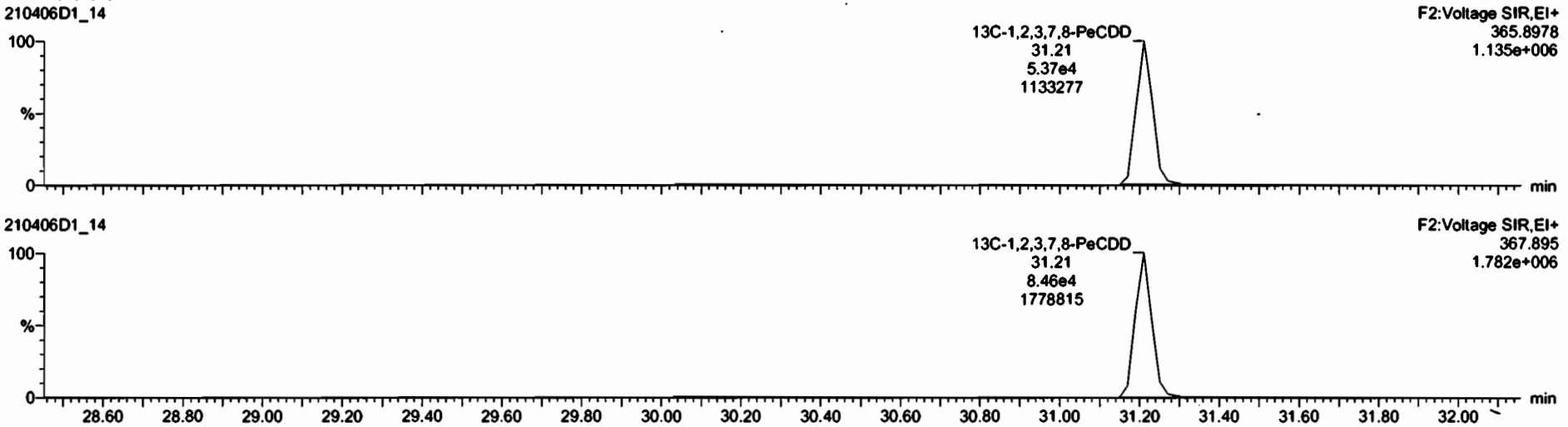
Name: 210406D1_14, Date: 06-Apr-2021, Time: 18:24:08, ID: 2103216-08 USMPDI-060RAB-10-20-210317 12.05, Description: USMPDI-060RAB-10-20-210317

1,2,3,7,8-PeCDD



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

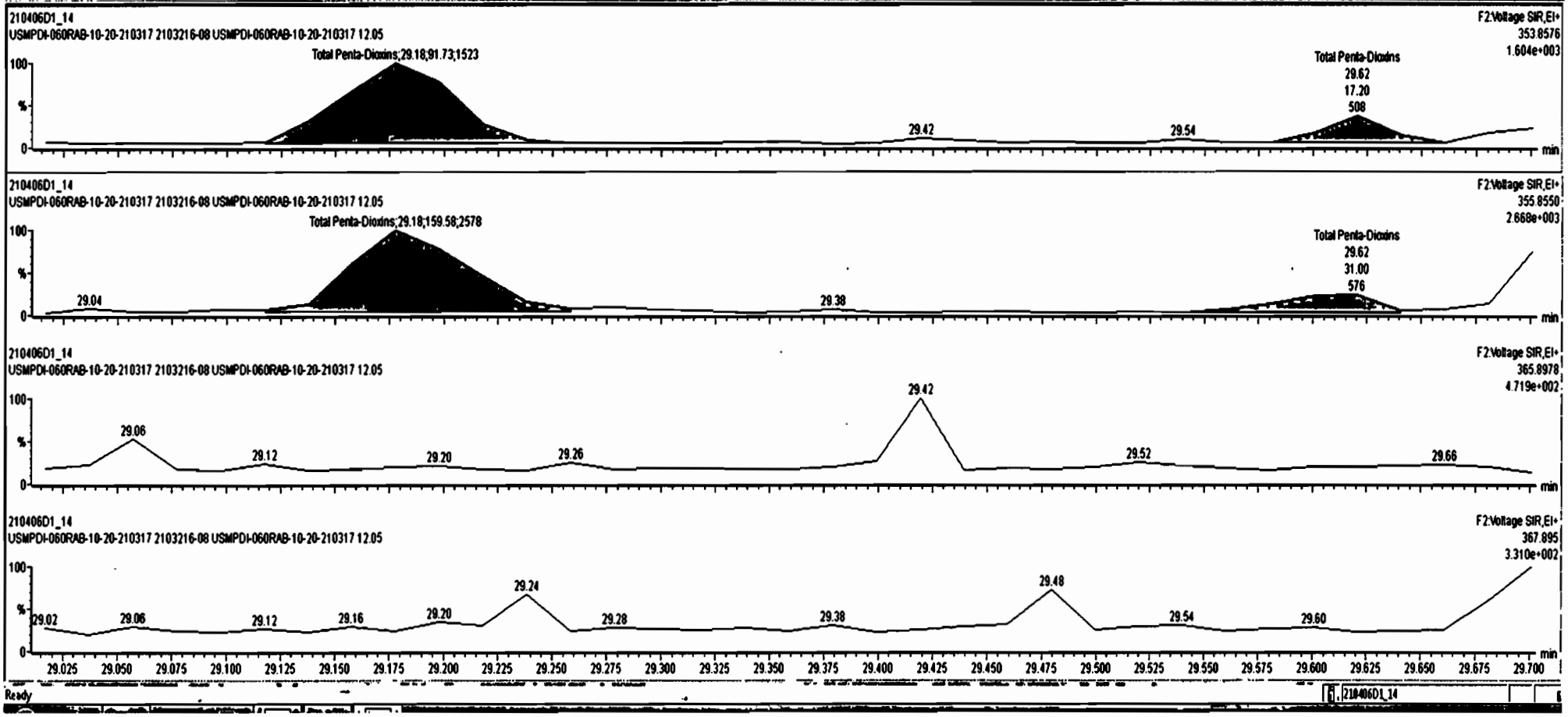


TargetLynx - 210406D1-14 - [Chromatogram]

File Edit View Display Processing Window Help

	Name	Resp	RA	nAy	RRF	wAnal	RT	RRT0	Conc.	%Rec	DL	EMPC
38	13C-1,2,3,4,6,8-HxCDF	1.61e5	0.49	NO	1.0000	10.060	34.17	1.000	199	100	0.695	
39	Total Tetra-Dioxins				0.9976	10.060			0.000		0.0376	0.0834
40	Total Penta-Dioxins				0.9613	10.060			0.557		0.144	0.638
41	Total Hexa-Dioxins				1.0404	10.060			2.22		0.185	4.07
42	Total Hepta-Dioxins				1.0602	10.060			35.4		0.643	35.4
43	Total Tetra-Furans				0.9895	10.060			1.32		0.0880	1.53
44	1st Func. Penta-Furans				1.0221	10.060			2.18		0.0320	2.18
45	Total Penta-Furans				1.0221	10.060			2.83		0.0816	3.20

	Name	RT	m1 Resp	m2 Resp	RA	nAy	EMPC	Conc.
1	Total Penta-Dioxins	29.18	9.173e1	1.596e2	0.57	NO	0.37583	0.37583
2	Total Penta-Dioxins	29.62	1.720e1	3.100e1	0.55	NO	0.072078	0.072078
3	Total Penta-Dioxins	30.81	1.133e1	2.279e1	0.50	YES	0.043851	0.00000
4	1,2,3,7,8-PeCDD	31.23	2.608e1	4.654e1	0.56	NO	0.10860	0.10860
5	Total Penta-Dioxins	31.31	9.704e0	2.052e1	0.47	YES	0.037548	0.00000



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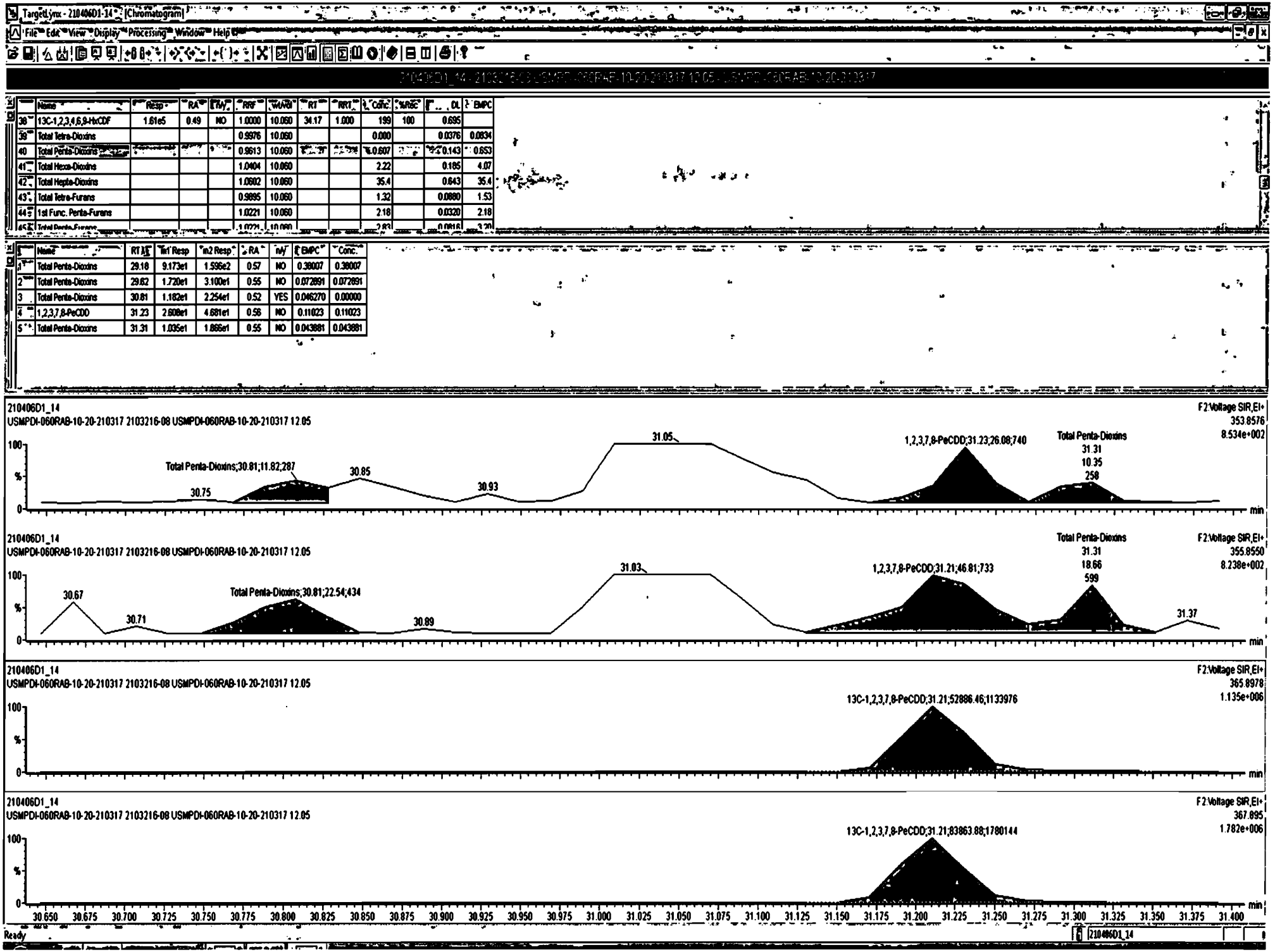
TargetLynx - 210406D1-14 [Chromatogram]
File Edit View Display Processing Window Help
Name | Resp | RA | mAy | RRF | mA/RS | RT | RRT | % Conc. | %RSC | DL | EMPC
38 13C-1,2,3,4,6,9-HxCDF 1.61e5 0.49 NO 1.0000 10.060 34.17 1.000 199 100 0.695
39 Total Tetra-Dioxins 0.9976 10.060 0.000 0.0376 0.0834
40 Total Penta-Dioxins 0.9613 10.060 0.607 0.143 0.653
41 Total Hexa-Dioxins 1.0404 10.060 2.22 0.185 4.07
42 Total Hepta-Dioxins 1.0602 10.060 35.4 0.643 35.4
43 Total Tetra-Furans 0.9895 10.060 1.32 0.0880 1.53
44 1st Func. Penta-Furans 1.0221 10.060 2.18 0.0320 2.18
Name | RT | Int Resp | m2 Resp | % RA | mAy | EMPC | Conc.
1 Total Penta-Dioxins 29.18 9.173e1 1.536e2 0.57 NO 0.38007 0.38007
2 Total Penta-Dioxins 29.62 1.720e1 3.100e1 0.55 NO 0.072891 0.072891
3 Total Penta-Dioxins 30.81 1.182e1 2.254e1 0.52 YES 0.046270 0.00000
4 1,2,3,7,8-PeCDD 31.23 2.608e1 4.681e1 0.56 NO 0.11023 0.11023
5 Total Penta-Dioxins 31.31 1.035e1 1.866e1 0.55 NO 0.043881 0.043881
210406D1_14
USMPDI-060RAB-10-20-210317 2103216-08 USMPDI-060RAB-10-20-210317 12.05
F2:Voltage SIR,EI+
353.8576
8.534e+002
Total Penta-Dioxins;30.81;11.82;287
1,2,3,7,8-PeCDD;31.23;26.08;740
Total Penta-Dioxins
31.31
10.35
258
30.75
30.85
30.93
31.05
min
210406D1_14
USMPDI-060RAB-10-20-210317 2103216-08 USMPDI-060RAB-10-20-210317 12.05
F2:Voltage SIR,EI+
355.8550
8.238e+002
Total Penta-Dioxins
31.31
18.66
599
Total Penta-Dioxins;30.81;22.54;434
1,2,3,7,8-PeCDD;31.21;46.81;733
30.67
30.71
30.89
31.03
31.37
min
210406D1_14
USMPDI-060RAB-10-20-210317 2103216-08 USMPDI-060RAB-10-20-210317 12.05
F2:Voltage SIR,EI+
365.8978
1.135e+006
13C-1,2,3,7,8-PeCDD;31.21;52886.46;1133976
min
210406D1_14
USMPDI-060RAB-10-20-210317 2103216-08 USMPDI-060RAB-10-20-210317 12.05
F2:Voltage SIR,EI+
367.895
1.782e+006
13C-1,2,3,7,8-PeCDD;31.21;83863.88;1780144
30.650 30.675 30.700 30.725 30.750 30.775 30.800 30.825 30.850 30.875 30.900 30.925 30.950 30.975 31.000 31.025 31.050 31.075 31.100 31.125 31.150 31.175 31.200 31.225 31.250 31.275 31.300 31.325 31.350 31.375 31.400
min
Ready
210406D1_14

Dataset: Untitled

Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
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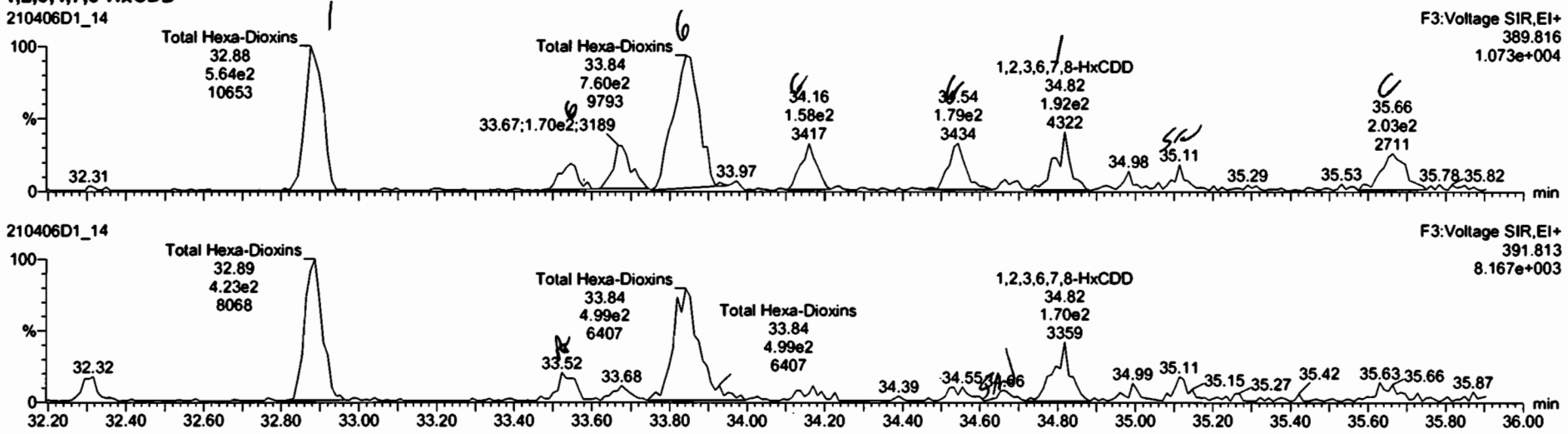
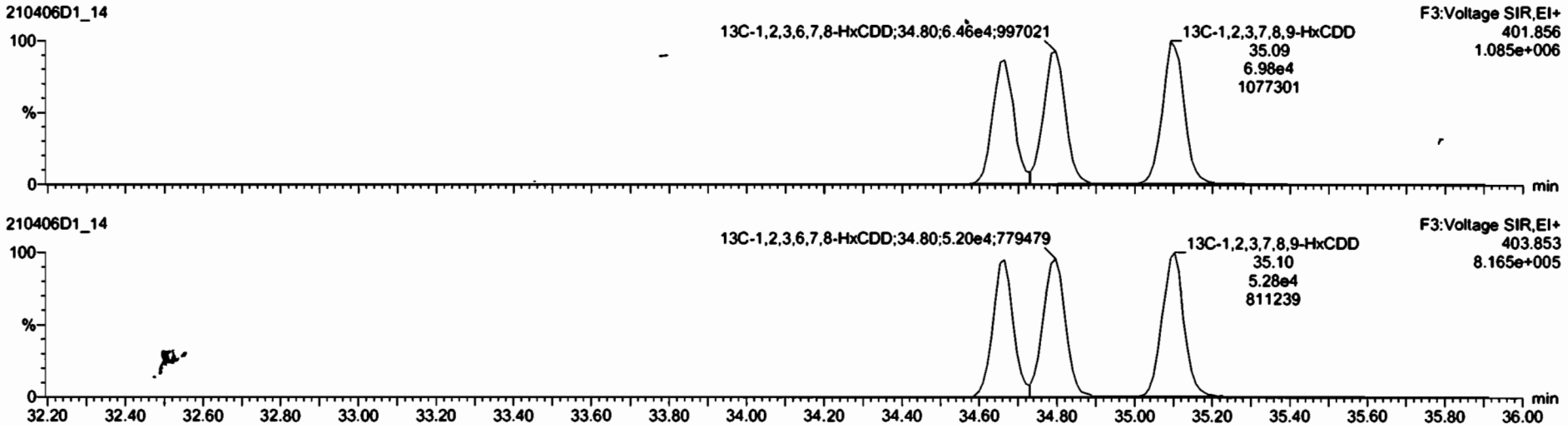
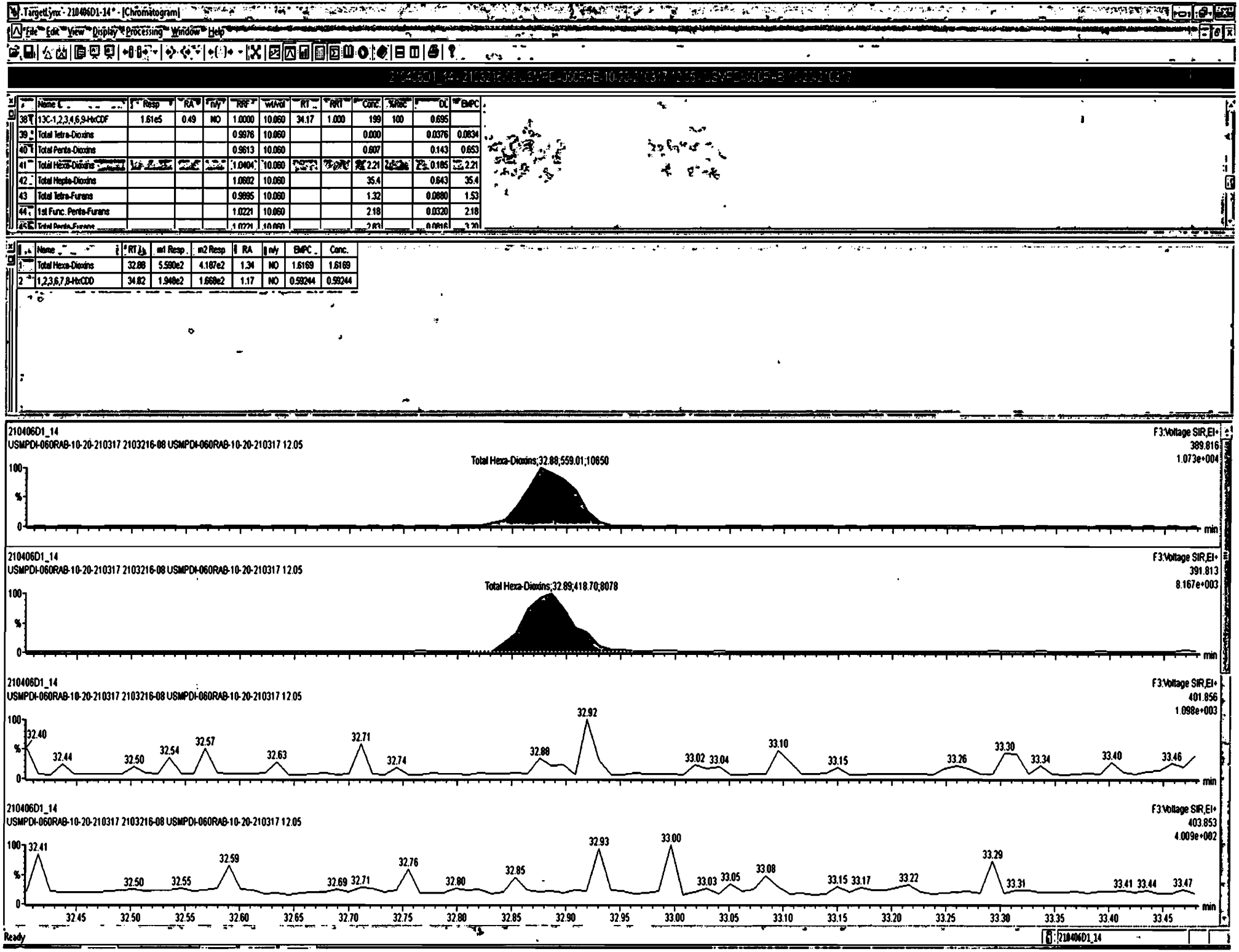
Name: 210406D1_14, Date: 06-Apr-2021, Time: 18:24:08, ID: 2103216-08 USMPDI-060RAB-10-20-210317 12.05, Description: USMPDI-060RAB-10-20-210317

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



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




TargetLynx - 210406D1-14* - [Chromatogram]
File Edit View Display Processing Window Help
210406D1_14 - 2103216-08_USMPDI-060RAB-10-20-210317 12.05 - USMPDI-060RAB-10-20-210317
Name Resp RA m/y RRF wAvg RT RRT Conc. %Rec DL EMPC
38 13C-1,2,3,4,6,9-HxCDF 1.61e5 0.49 NO 1.0000 10.060 34.17 1.000 199 100 0.695
39 Total Tetra-Dioxins 0.9976 10.060 0.000 0.0376 0.0834
40 Total Penta-Dioxins 0.9613 10.060 0.607 0.143 0.653
41 Total Hexa-Dioxins 1.0404 10.060 2.21 0.185 2.21
42 Total Hepta-Dioxins 1.0602 10.060 35.4 0.643 35.4
43 Total Tetra-Furans 0.9895 10.060 1.32 0.0880 1.53
44 1st Func. Penta-Furans 1.0221 10.060 2.18 0.0320 2.18
Total Penta-Furans 1.0221 10.060 2.83 0.0816 3.20
Name RT m1 Resp m2 Resp RA m/y EMPC Conc.
1 Total Hexa-Dioxins 32.88 5.590e2 4.187e2 1.34 NO 1.6169 1.6169
2 1,2,3,6,7,8-HxCDD 34.82 1.948e2 1.668e2 1.17 NO 0.59244 0.59244
210406D1_14
USMPDI-060RAB-10-20-210317 2103216-08 USMPDI-060RAB-10-20-210317 12.05
F3:Voltage SIR,EI+
389.816
1.073e+004
Total Hexa-Dioxins;32.88;559.01;10650
100
%
0
min
210406D1_14
USMPDI-060RAB-10-20-210317 2103216-08 USMPDI-060RAB-10-20-210317 12.05
F3:Voltage SIR,EI+
391.813
8.167e+003
Total Hexa-Dioxins;32.89;418.70;8078
100
%
0
min
210406D1_14
USMPDI-060RAB-10-20-210317 2103216-08 USMPDI-060RAB-10-20-210317 12.05
F3:Voltage SIR,EI+
401.856
1.098e+003
100
%
0
32.40
32.44
32.50
32.54
32.57
32.63
32.71
32.74
32.88
32.92
33.02
33.04
33.10
33.15
33.26
33.30
33.34
33.40
33.46
min
210406D1_14
USMPDI-060RAB-10-20-210317 2103216-08 USMPDI-060RAB-10-20-210317 12.05
F3:Voltage SIR,EI+
403.853
4.009e+002
100
%
0
32.41
32.50
32.55
32.59
32.69
32.71
32.76
32.80
32.85
32.93
33.00
33.03
33.05
33.08
33.15
33.17
33.22
33.29
33.31
33.41
33.44
33.47
min
32.45
32.50
32.55
32.60
32.65
32.70
32.75
32.80
32.85
32.90
32.95
33.00
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33.20
33.25
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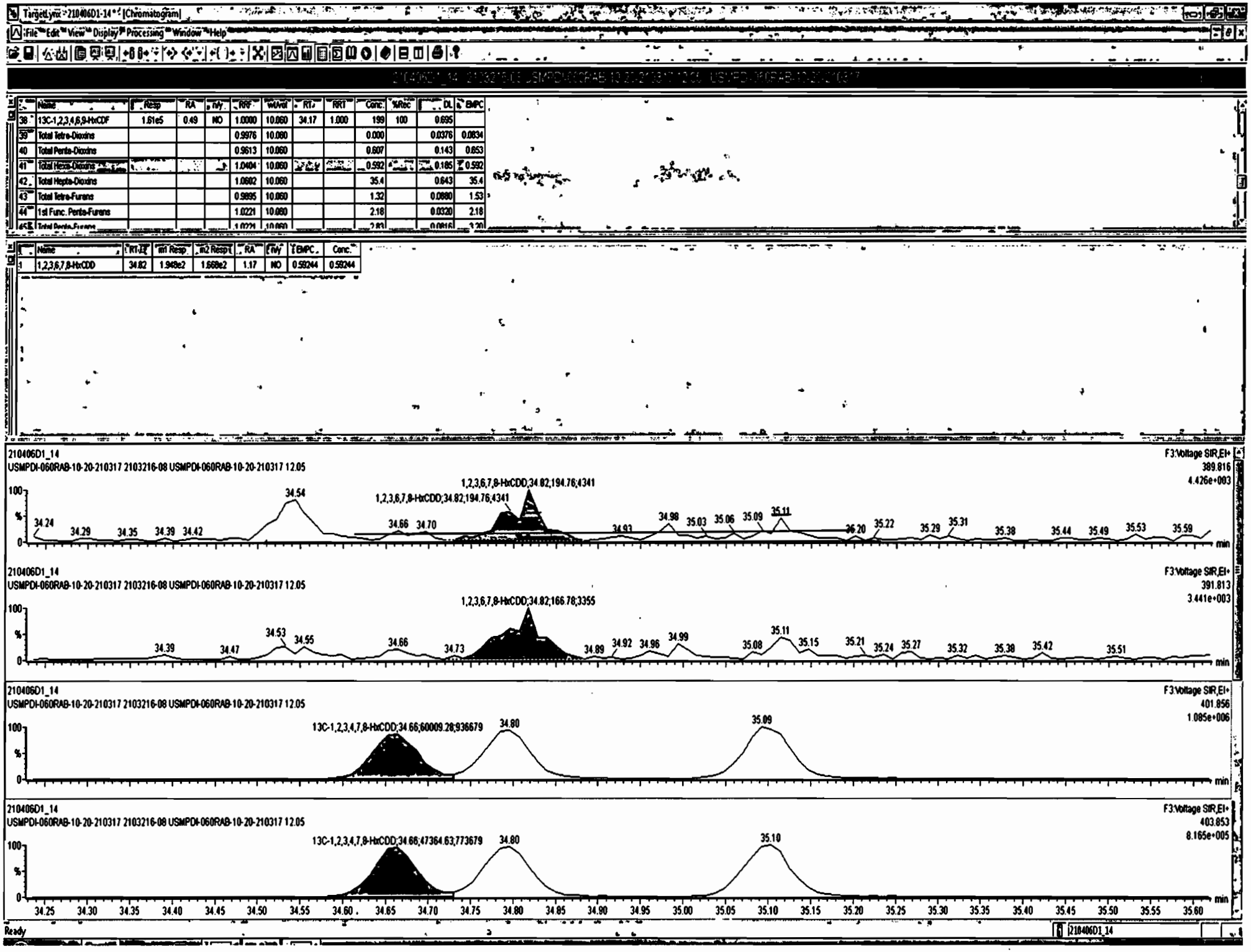
33.35
33.40
33.45
Ready
210406D1_14


TargetLynx - 210406D1-14 - [Chromatogram]
File Edit View Display Processing Window Help
Name | Resp | RA | m/y | RRF | wAvd | RT | RRT | Conc | %Rec | DL | EMPC
38 13C-1,2,3,4,6,9-HxCDF 1.61e5 0.49 NO 1.0000 10.060 34.17 1.000 199 100 0.695
39 Total Tetra-Dioxins 0.9976 10.060 0.000 0.0376 0.0834
40 Total Penta-Dioxins 0.9613 10.060 0.607 0.143 0.853
41 Total Hexa-Dioxins 1.0404 10.060 0.592 0.185 0.592
42 Total Hepta-Dioxins 1.0602 10.060 35.4 0.643 35.4
43 Total Tetra-Furans 0.9895 10.060 1.32 0.0880 1.53
44 1st Func. Penta-Furans 1.0221 10.060 2.18 0.0320 2.18
Name | RT | m1 Resp | m2 Resp | RA | m/y | EMPC | Conc
1 1,2,3,6,7,8-HxCDD 34.82 1.949e2 1.668e2 1.17 NO 0.59244 0.59244
210406D1_14
USMPDI-060RAB-10-20-210317 2103216-08 USMPDI-060RAB-10-20-210317 12.05
F3:Voltage SIR,EI+
389.816
4.426e+003
1,2,3,6,7,8-HxCDD;34.82;194.76;4341
34.54
34.24 34.29 34.35 34.39 34.42 34.66 34.70 34.93 34.98 35.03 35.06 35.09 35.11 35.20 35.22 35.29 35.31 35.38 35.44 35.49 35.53 35.59
min
210406D1_14
USMPDI-060RAB-10-20-210317 2103216-08 USMPDI-060RAB-10-20-210317 12.05
F3:Voltage SIR,EI+
391.813
3.441e+003
1,2,3,6,7,8-HxCDD;34.82;166.78;3355
34.39 34.47 34.53 34.55 34.66 34.73 34.89 34.92 34.96 34.99 35.08 35.11 35.15 35.21 35.24 35.27 35.32 35.38 35.42 35.51
min
210406D1_14
USMPDI-060RAB-10-20-210317 2103216-08 USMPDI-060RAB-10-20-210317 12.05
F3:Voltage SIR,EI+
401.856
1.085e+006
13C-1,2,3,4,7,8-HxCDD;34.66;60009.28;936679
34.80
35.09
min
210406D1_14
USMPDI-060RAB-10-20-210317 2103216-08 USMPDI-060RAB-10-20-210317 12.05
F3:Voltage SIR,EI+
403.853
8.165e+005
13C-1,2,3,4,7,8-HxCDD;34.66;47364.63;773679
34.80
35.10
34.25 34.30 34.35 34.40 34.45 34.50 34.55 34.60 34.65 34.70 34.75 34.80 34.85 34.90 34.95 35.00 35.05 35.10 35.15 35.20 35.25 35.30 35.35 35.40 35.45 35.50 35.55 35.60
min
Ready
210406D1_14

Dataset: Untitled

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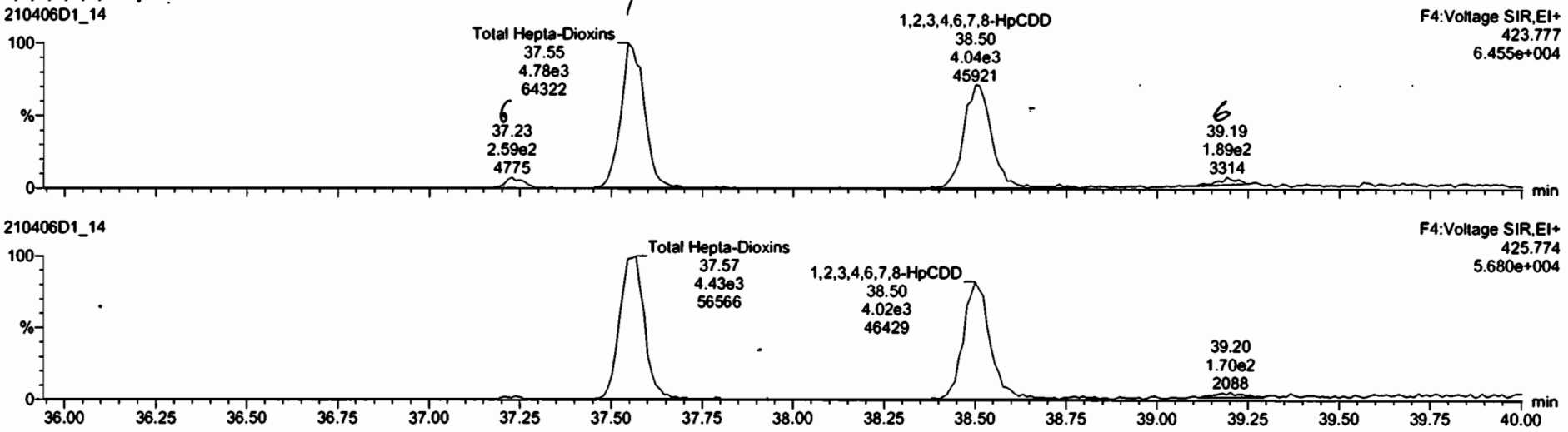
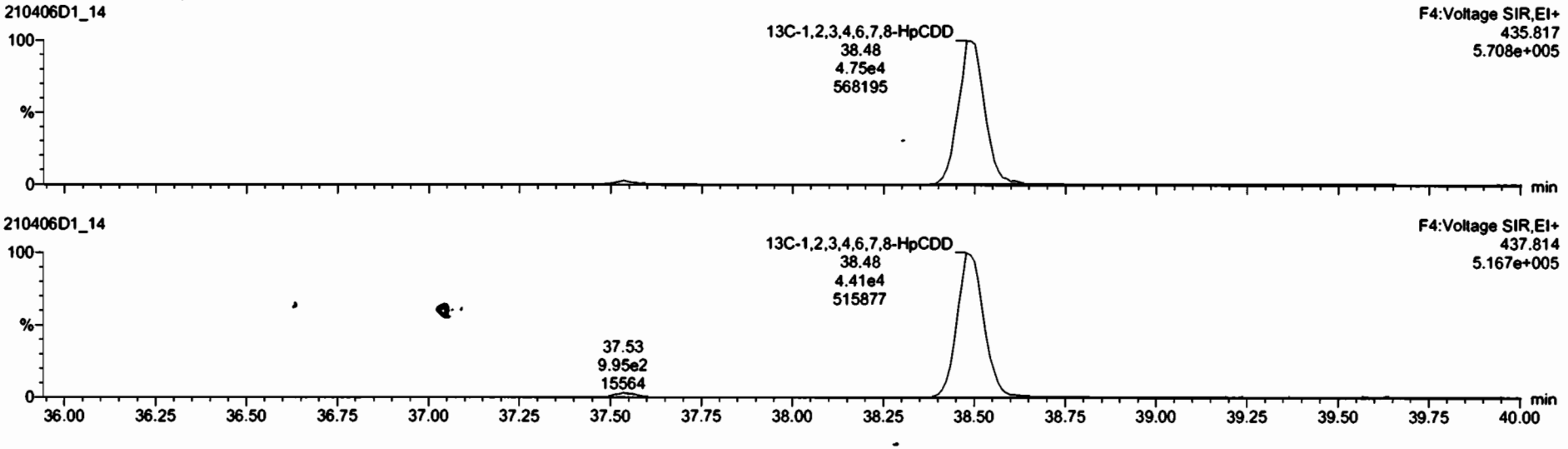
Name: 210406D1_14, Date: 06-Apr-2021, Time: 18:24:08, ID: 2103216-08 USMPDI-060RAB-10-20-210317 12.05, Description: USMPDI-060RAB-10-20-210317

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



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



TargetLynx - 210406D1-14 - [Chromatogram]

File Edit View Display Processing Window Help

	Name	Resp	RA	n/y	RRF	Wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
38	13C-1,2,3,4,6,9-HxCDF	1.61e5	0.49	NO	1.0000	10.060	34.17	1.000	199	100	0.695	
39	Total Tetra-Dioxins				0.9976	10.060			0.000		0.0376	0.0834
40	Total Penta-Dioxins				0.9613	10.060			0.807		0.143	0.653
41	Total Hexa-Dioxins				1.0404	10.060			2.21		0.185	2.21
42	Total Hepta-Dioxins				1.0602	10.060			34.9		0.645	34.9
43	Total Tetra-Furans				0.9895	10.060			1.32		0.0880	1.53
44	1st Func. Penta-Furans				1.0221	10.060			2.18		0.0320	2.18
45	Total Penta-Furans				1.0221	10.060			2.83		0.0816	3.20

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Hepta-Dioxins	37.55	4.783e3	4.426e3	1.08	NO	18.813	18.813
2	1,2,3,4,6,7,8-HpCDD	38.50	3.977e3	3.920e3	1.01	NO	16.133	16.133

210406D1_14
USMPDI-060RAB-10-20-210317 2103216-08 USMPDI-060RAB-10-20-210317 12.05
F4:Voltage SIR,EI+
423.777
4.613e+004
1,2,3,4,6,7,8-HpCDD;38.50;3977.02;45852
39.19

210406D1_14
USMPDI-060RAB-10-20-210317 2103216-08 USMPDI-060RAB-10-20-210317 12.05
F4:Voltage SIR,EI+
425.774
4.663e+004
1,2,3,4,6,7,8-HpCDD;38.50;3920.36;46439
39.20
39.37

210406D1_14
USMPDI-060RAB-10-20-210317 2103216-08 USMPDI-060RAB-10-20-210317 12.05
F4:Voltage SIR,EI+
435.817
5.708e+005
13C-1,2,3,4,6,7,8-HpCDD;38.48;47970.37;570165

210406D1_14
USMPDI-060RAB-10-20-210317 2103216-08 USMPDI-060RAB-10-20-210317 12.05
F4:Voltage SIR,EI+
437.814
5.167e+005
13C-1,2,3,4,6,7,8-HpCDD;38.48;43819.79;516180

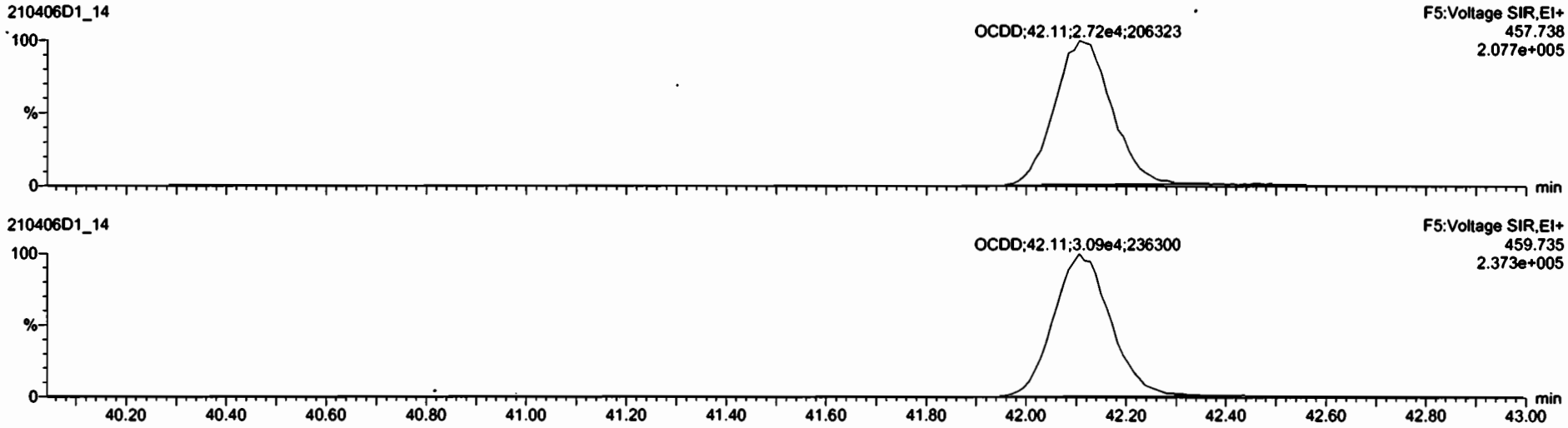
100
%
0
min
37.70 37.75 37.80 37.85 37.90 37.95 38.00 38.05 38.10 38.15 38.20 38.25 38.30 38.35 38.40 38.45 38.50 38.55 38.60 38.65 38.70 38.75 38.80 38.85 38.90 38.95 39.00 39.05 39.10 39.15 39.20 39.25 39.30 39.35 39.40 39.45

Dataset: Untitled

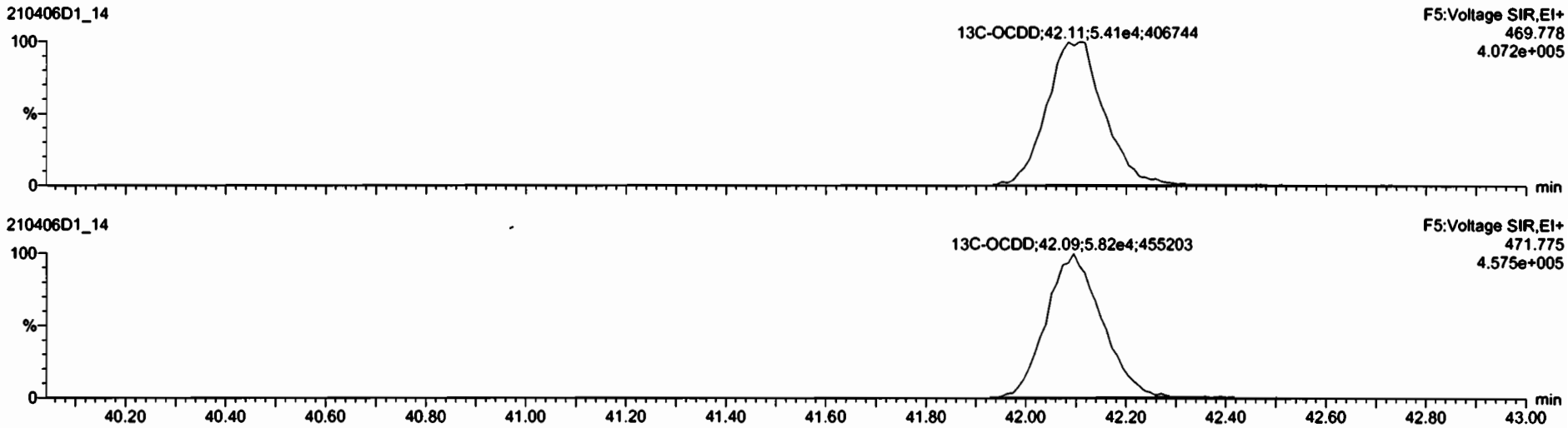
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_14, Date: 06-Apr-2021, Time: 18:24:08, ID: 2103216-08 USMPDI-060RAB-10-20-210317 12.05, Description: USMPDI-060RAB-10-20-210317

OCDD



13C-OCDD



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Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

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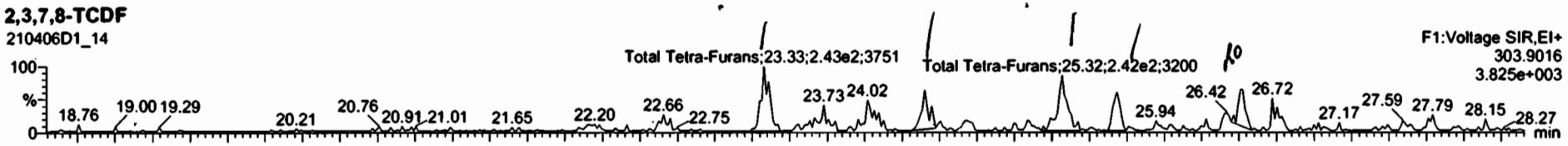
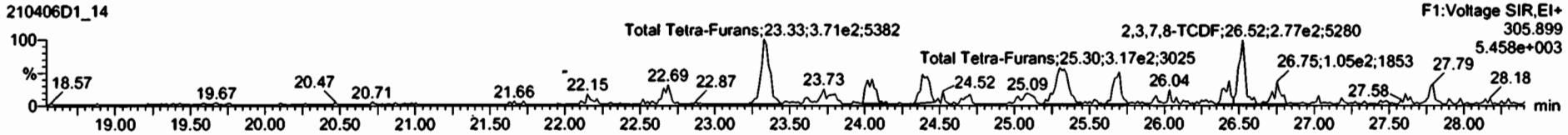
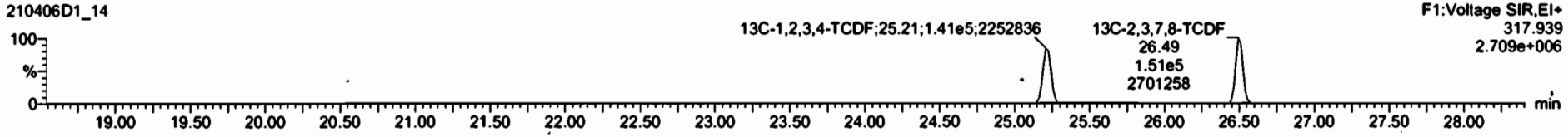
2,3,7,8-TCDF

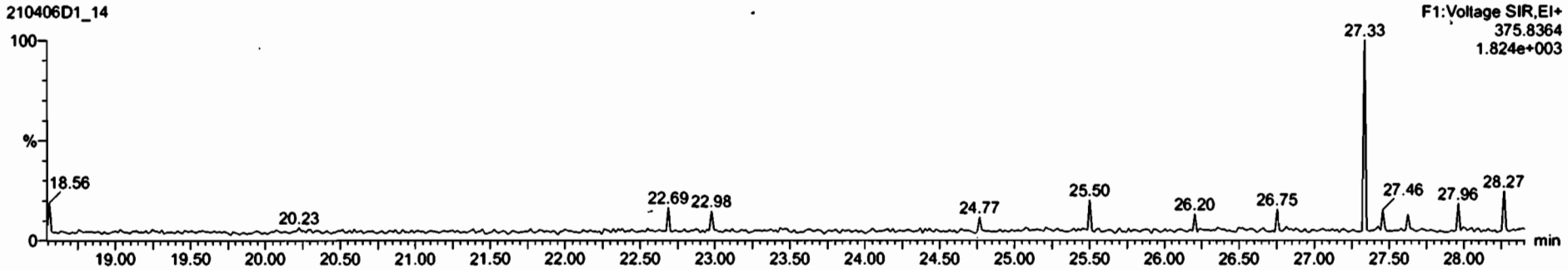




13C-2,3,7,8-TCDF



DPE1

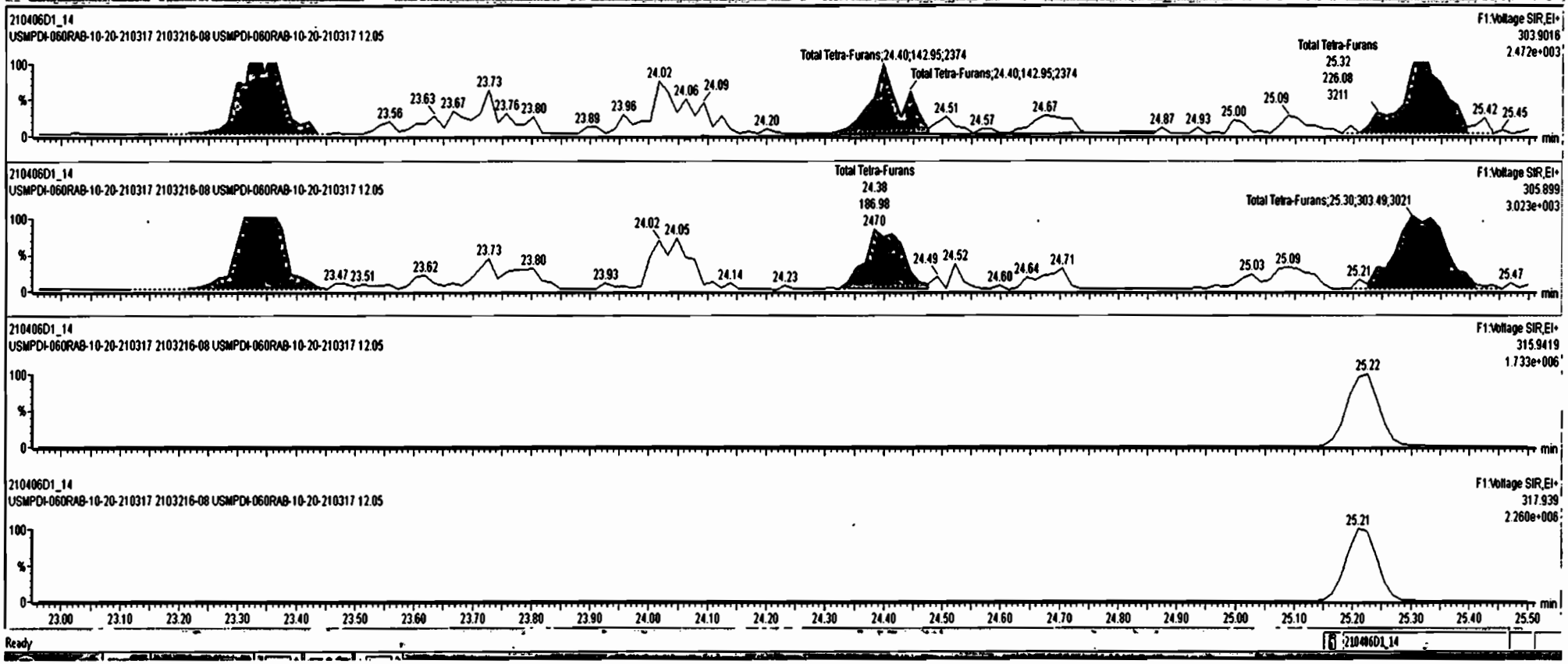


TargetLynx - 210406D1-14* - [Chromatogram]

File Edit View Display Processing Window Help

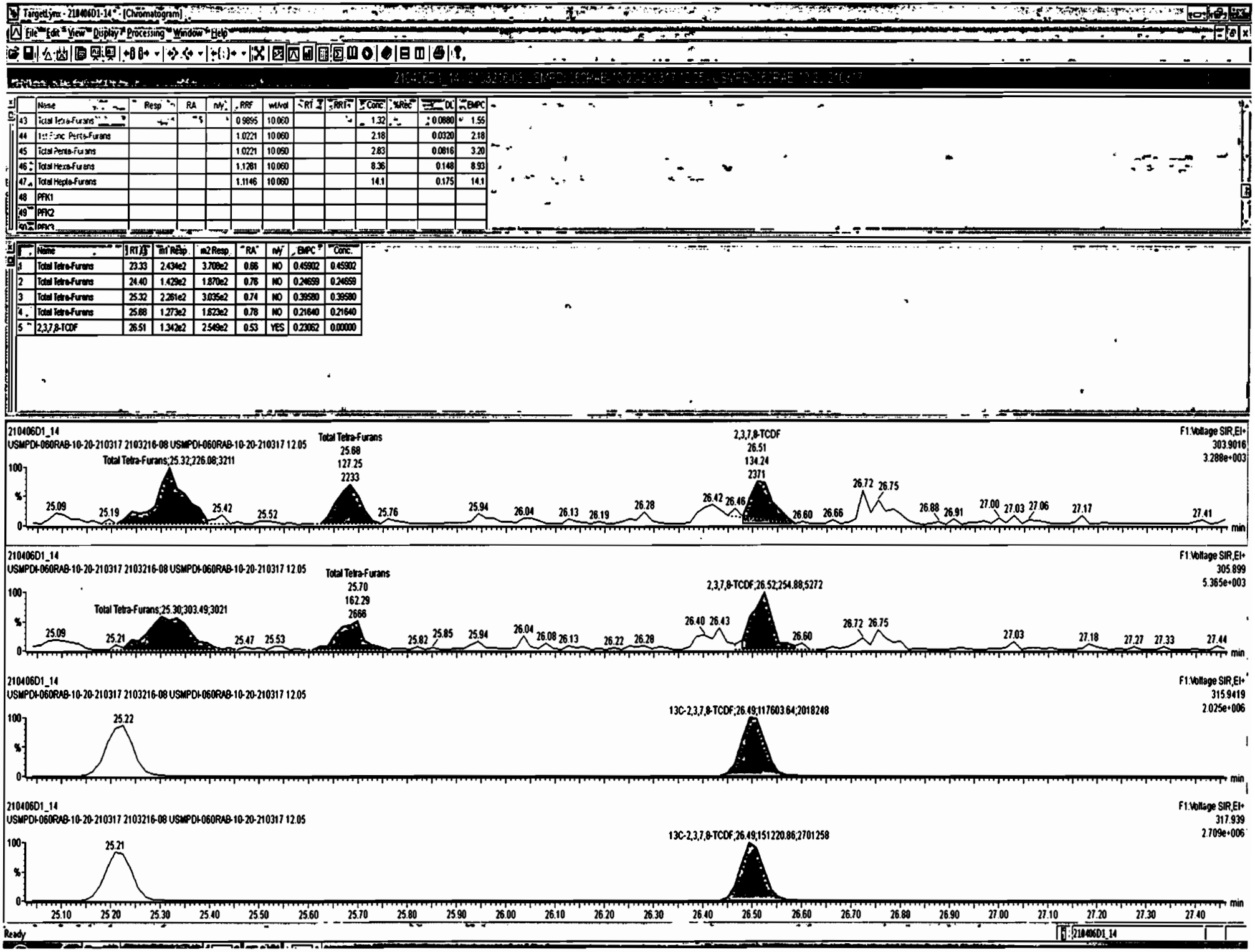
	Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
43	Total Tetra-Furans				0.9895	10.060			1.32		0.0880	1.55
44	1st Func. Penta-Furans				1.0221	10.060			2.18		0.0320	2.18
45	Total Penta-Furans				1.0221	10.060			2.83		0.0816	3.20
46	Total Hexa-Furans				1.1281	10.060			8.36		0.148	8.93
47	Total Hepta-Furans				1.1146	10.060			14.1		0.175	14.1
48	PFK1											
49	PFK2											
50	PFK3											

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Tetra-Furans	23.33	2.434e2	3.708e2	0.66	NO	0.45902	0.45902
2	Total Tetra-Furans	24.40	1.429e2	1.870e2	0.76	NO	0.24659	0.24659
3	Total Tetra-Furans	25.32	2.261e2	3.035e2	0.74	NO	0.39580	0.39580
4	Total Tetra-Furans	25.68	1.273e2	1.623e2	0.78	NO	0.21640	0.21640
5	2,3,7,8-TCDF	26.51	1.342e2	2.549e2	0.53	YES	0.23062	0.00000



Ready

210406D1_14

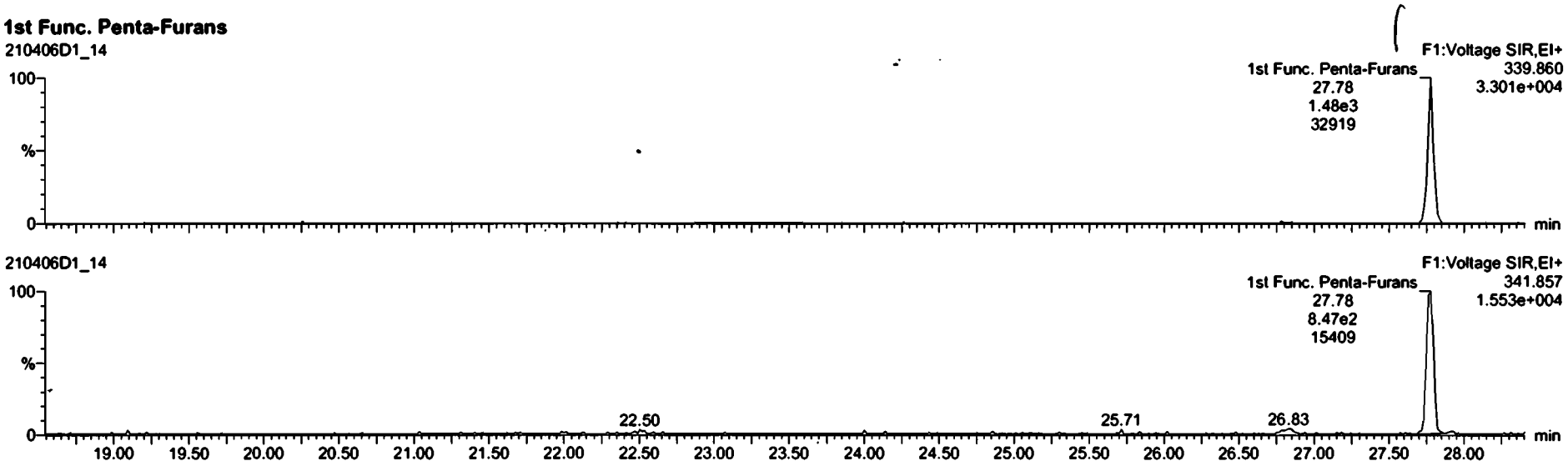

TargetLynx - 210406D1-14 * [Chromatogram]
File Edit View Display Processing Window Help
Name Resp RA n/y RRF wt/vol RT RRT Conc %Rec DL EMPC
43 Total Tetra-Furans 0.9895 10.060 1.32 0.0880 1.55
44 Total Penta-Furans 1.0221 10.060 2.18 0.0320 2.18
45 Total Penta-Furans 1.0221 10.050 2.83 0.0816 3.20
46 Total Hexa-Furans 1.1281 10.060 8.36 0.148 8.93
47 Total Hepta-Furans 1.1146 10.060 14.1 0.175 14.1
48 PFK1
49 PFK2
Name RT Int Resp m2 Resp RA n/y EMPC Conc.
1 Total Tetra-Furans 23.33 2.434e2 3.708e2 0.66 NO 0.45902 0.45902
2 Total Tetra-Furans 24.40 1.429e2 1.870e2 0.76 NO 0.24659 0.24659
3 Total Tetra-Furans 25.32 2.261e2 3.035e2 0.74 NO 0.39580 0.39580
4 Total Tetra-Furans 25.68 1.273e2 1.623e2 0.78 NO 0.21640 0.21640
5 2,3,7,8-TCDF 26.51 1.342e2 2.549e2 0.53 YES 0.23052 0.00000
210406D1_14
USMPDI-060RAB-10-20-210317 2103216-08 USMPDI-060RAB-10-20-210317 12.05
Total Tetra-Furans;25.32;226.08;3211
Total Tetra-Furans 25.68 127.25 2233
2,3,7,8-TCDF 26.51 134.24 2371
F1:Voltage SIR,EI+ 303.9016 3.288e+003
210406D1_14
USMPDI-060RAB-10-20-210317 2103216-08 USMPDI-060RAB-10-20-210317 12.05
Total Tetra-Furans;25.30;303.49;3021
Total Tetra-Furans 25.70 162.29 2666
2,3,7,8-TCDF;26.52;254.88;5272
F1:Voltage SIR,EI+ 305.899 5.365e+003
210406D1_14
USMPDI-060RAB-10-20-210317 2103216-08 USMPDI-060RAB-10-20-210317 12.05
25.22
13C-2,3,7,8-TCDF;26.49;117603.64;2018248
F1:Voltage SIR,EI+ 315.9419 2.025e+006
210406D1_14
USMPDI-060RAB-10-20-210317 2103216-08 USMPDI-060RAB-10-20-210317 12.05
25.21
13C-2,3,7,8-TCDF;26.49;151220.86;2701258
F1:Voltage SIR,EI+ 317.939 2.709e+006
Ready
210406D1_14

Dataset: Untitled

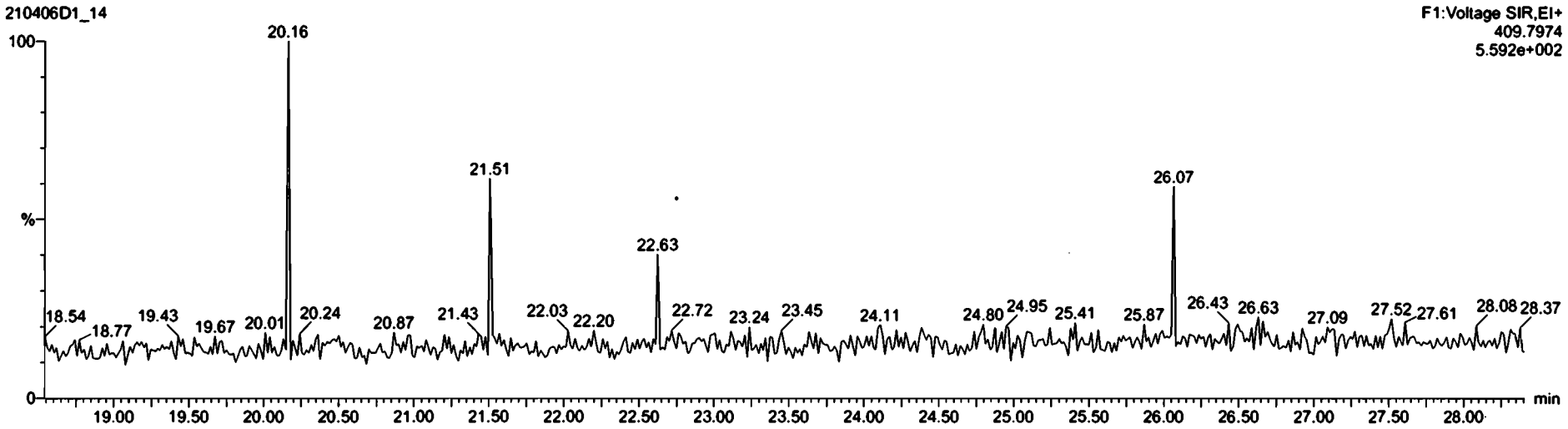
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_14, Date: 06-Apr-2021, Time: 18:24:08, ID: 2103216-08 USMPDI-060RAB-10-20-210317 12.05, Description: USMPDI-060RAB-10-20-210317

1st Func. Penta-Furans



DPE6



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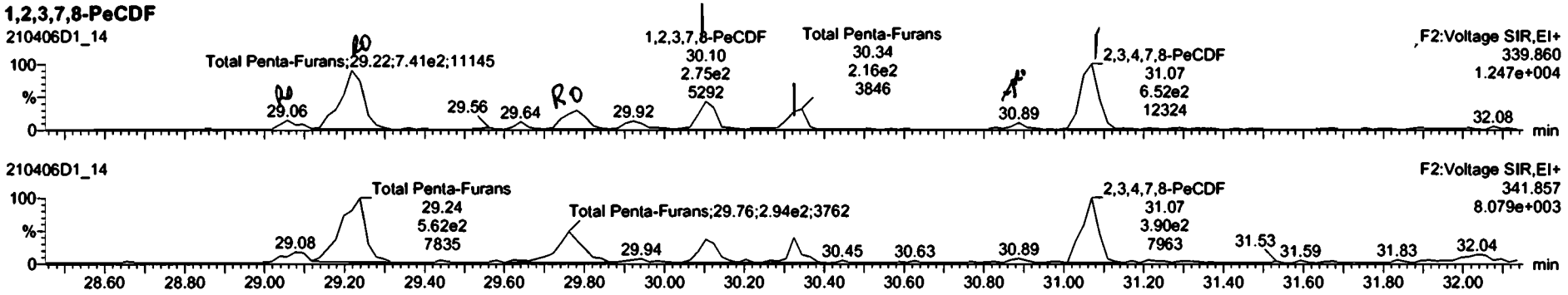
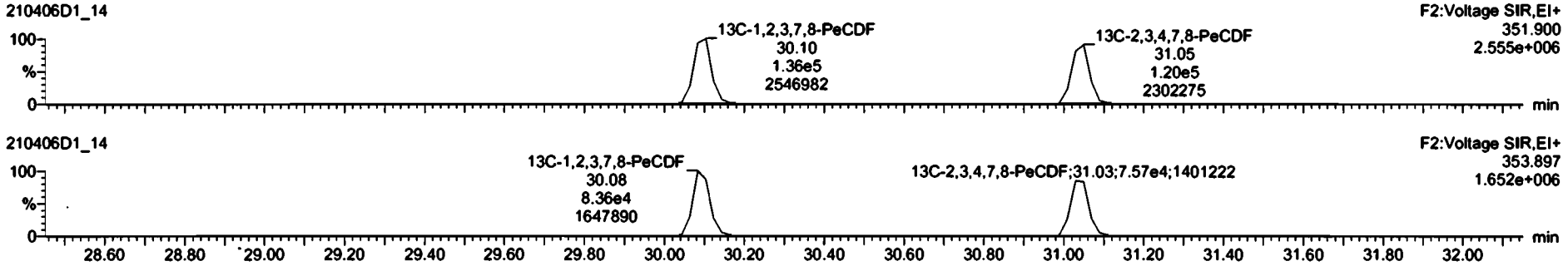
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_14, Date: 06-Apr-2021, Time: 18:24:08, ID: 2103216-08 USMPDI-060RAB-10-20-210317 12.05, Description: USMPDI-060RAB-10-20-210317

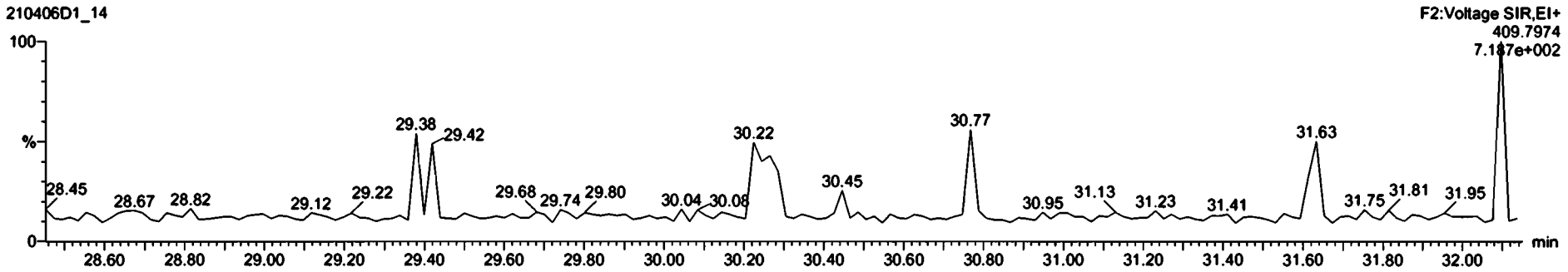
1,2,3,7,8-PeCDF



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



DPE2

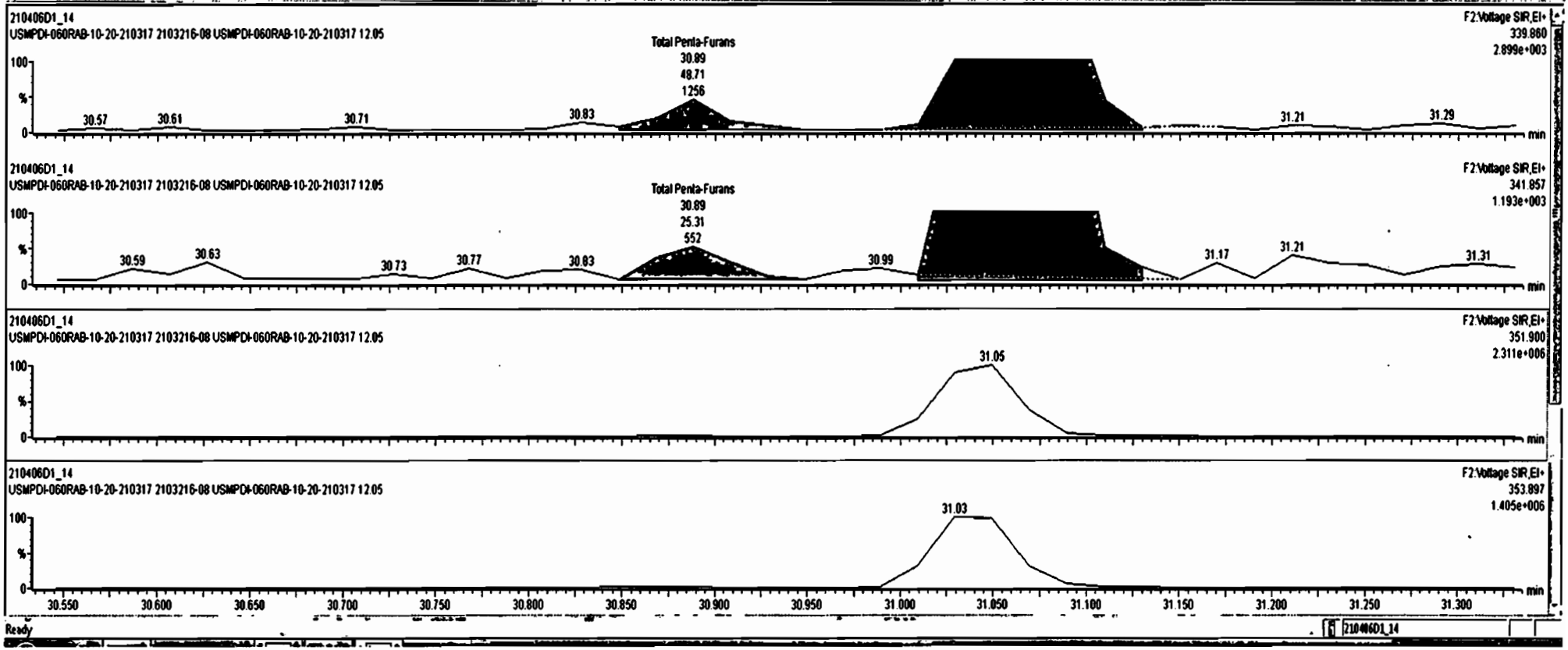


TargetLynx - 210406D1-14* - [Chromatogram]

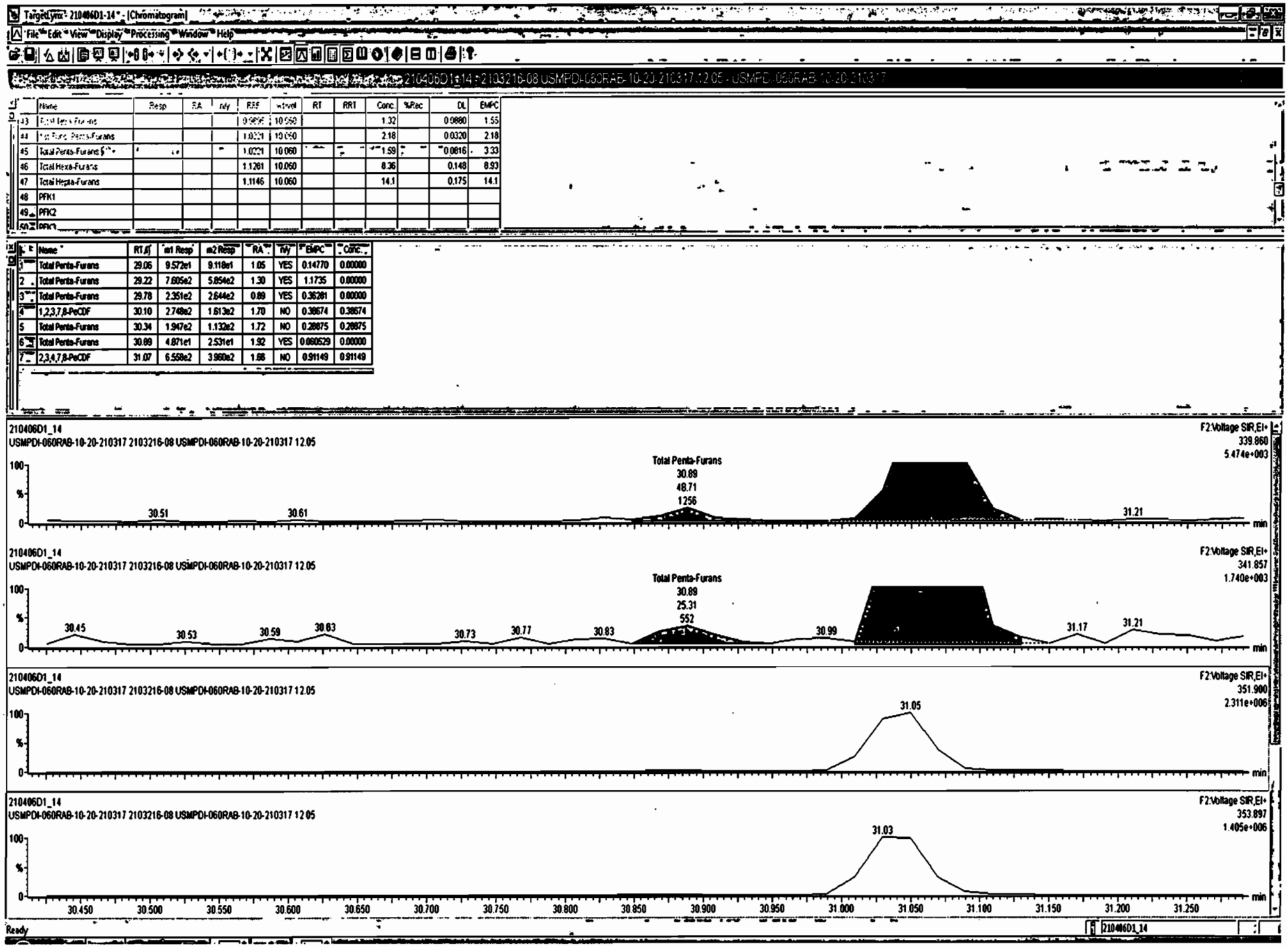
File Edit View Display Processing Window Help

	Name	Resp	RA	rly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
43	Total Tetra-Furans				0.9595	10.050			1.32		0.0860	1.55
44	Total Penta-Furans				1.0221	10.050			2.18		0.0320	2.18
45	Total Penta-Furans				1.0221	10.060			1.59		0.0816	3.33
46	Total Hexa-Furans				1.1281	10.050			8.36		0.148	8.93
47	Total Hepta-Furans				1.1146	10.060			14.1		0.175	14.1
48	PFK1											
49	PFK2											
50	PFK3											

	Name	RT	m1 Resp	m2 Resp	RA	rly	EMPC	Conc.
1	Total Penta-Furans	29.06	9.572e1	9.118e1	1.05	YES	0.14770	0.00000
2	Total Penta-Furans	29.22	7.605e2	5.854e2	1.30	YES	1.1735	0.00000
3	Total Penta-Furans	29.78	2.351e2	2.644e2	0.89	YES	0.36281	0.00000
4	1,2,3,7,8-PeCDF	30.10	2.748e2	1.613e2	1.70	NO	0.38674	0.38674
5	Total Penta-Furans	30.34	1.947e2	1.132e2	1.72	NO	0.26875	0.26875
6	Total Penta-Furans	30.89	4.871e1	2.531e1	1.92	YES	0.060529	0.00000
7	2,3,4,7,8-PeCDF	31.07	6.558e2	3.960e2	1.66	NO	0.91149	0.91149



Ready



	Name	Resp	EA	rdy	RRF	wlevel	RT	RRT	Conc	%Rec	DL	EMPC
43	Total Hexa-Furans				0.9895	10.060			1.32		0.0880	1.55
44	Total Penta-Furans				1.0221	10.060			2.18		0.0320	2.18
45	Total Penta-Furans §				1.0221	10.060			1.59		0.0616	3.33
46	Total Hexa-Furans				1.1261	10.060			8.36		0.148	8.93
47	Total Hepta-Furans				1.1146	10.060			14.1		0.175	14.1
48	PFK1											
49	PFK2											
50	PFK3											

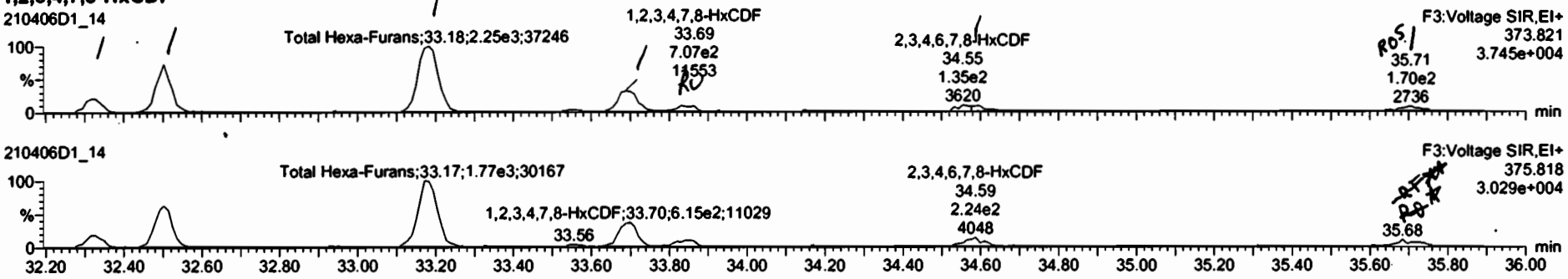
	Name	RT	m1 Resp	m2 Resp	RA	rdy	EMPC	Conc.
1	Total Penta-Furans	29.06	9.572e1	9.118e1	1.05	YES	0.14770	0.00000
2	Total Penta-Furans	29.22	7.605e2	5.854e2	1.30	YES	1.1735	0.00000
3	Total Penta-Furans	29.78	2.351e2	2.644e2	0.89	YES	0.36281	0.00000
4	1,2,3,7,8-PeCDF	30.10	2.748e2	1.613e2	1.70	NO	0.38674	0.38674
5	Total Penta-Furans	30.34	1.947e2	1.132e2	1.72	NO	0.28875	0.28875
6	Total Penta-Furans	30.89	4.871e1	2.531e1	1.92	YES	0.060529	0.00000
7	2,3,4,7,8-PeCDF	31.07	6.558e2	3.960e2	1.66	NO	0.91149	0.91149

Dataset: Untitled

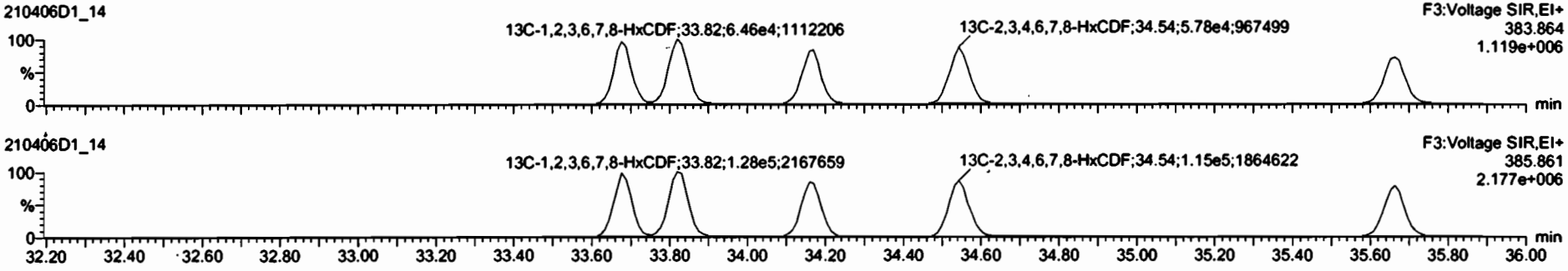
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_14, Date: 06-Apr-2021, Time: 18:24:08, ID: 2103216-08 USMPDI-060RAB-10-20-210317 12.05, Description: USMPDI-060RAB-10-20-210317

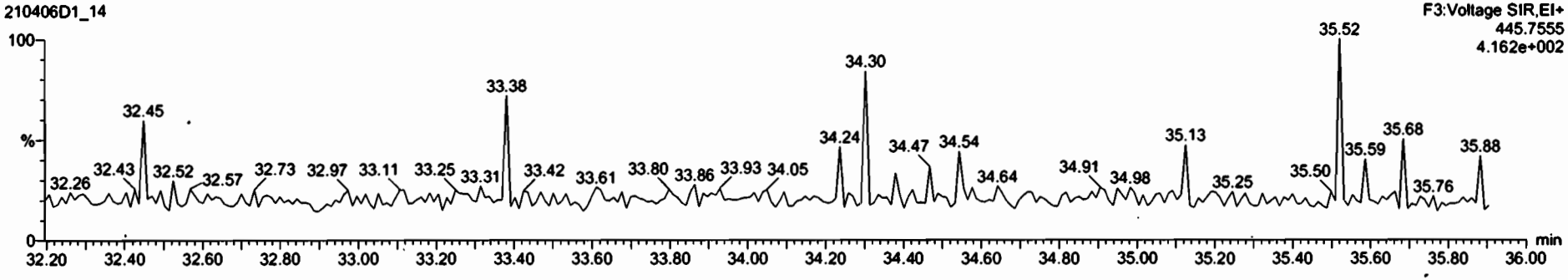
1,2,3,4,7,8-HxCDF

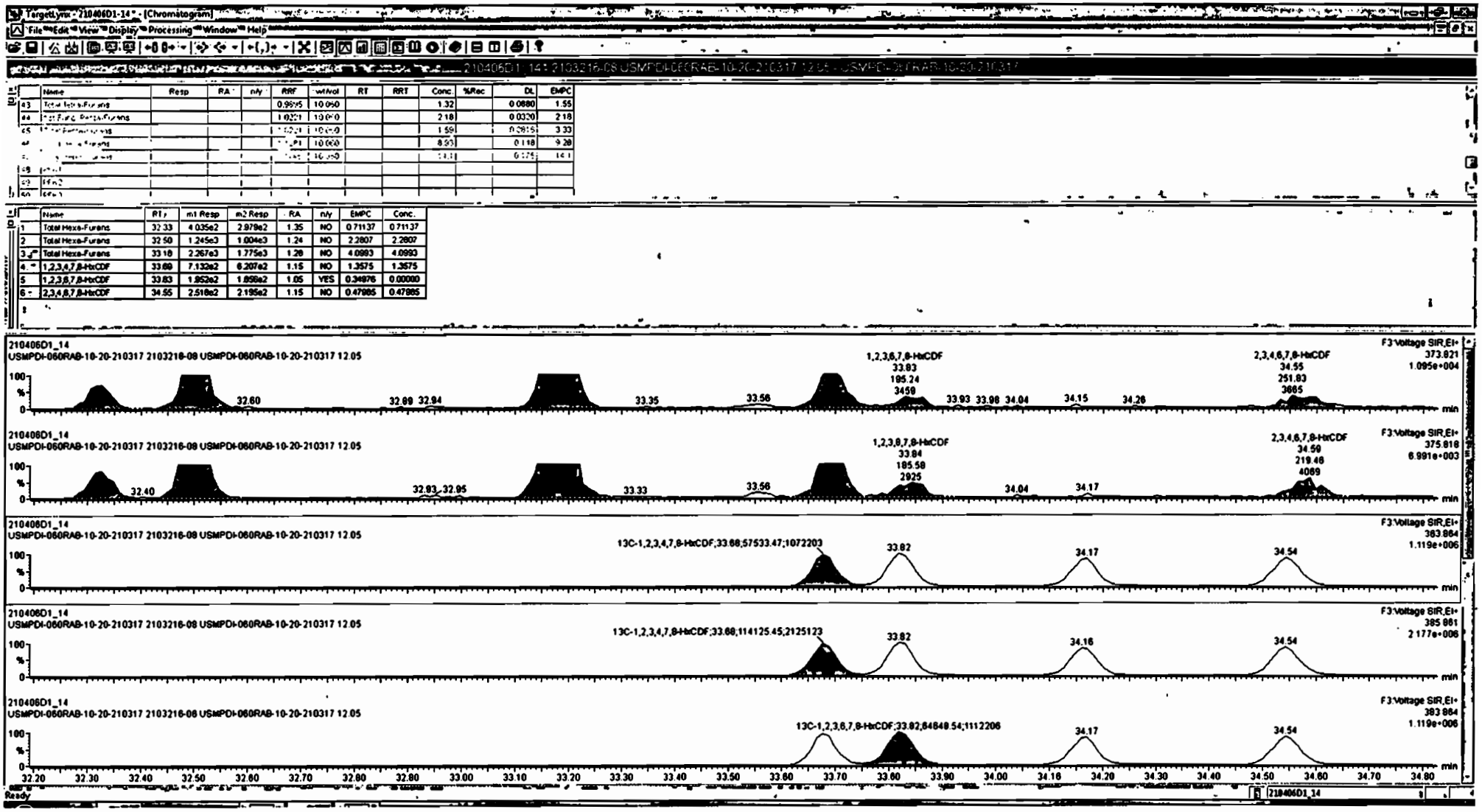


13C-1,2,3,4,7,8-HxCDF



DPE3



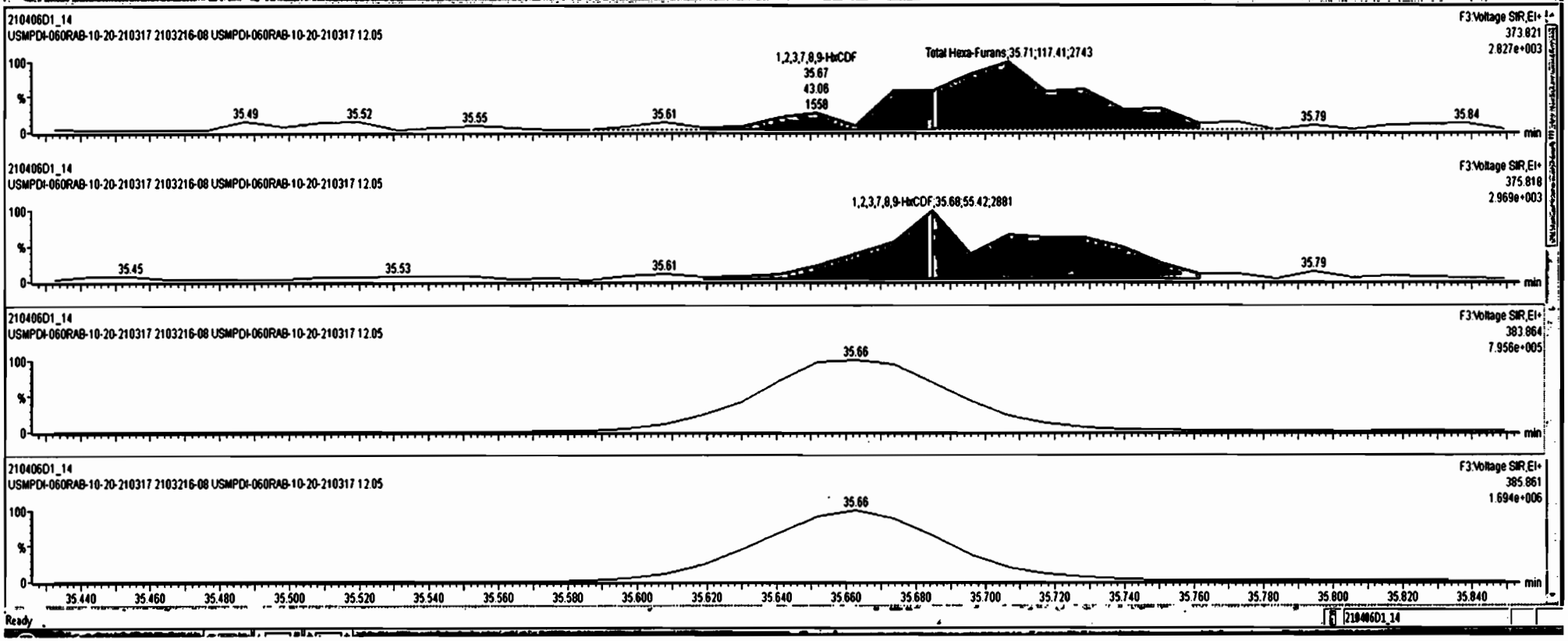

TargetLynx - 210406D1-14 * - [Chromatogram]
File Edit View Display Processing Window Help
Name Resp RA n/y RRF wtVol RT RRT Conc. %Rec DL EMPC
Name RT m1 Resp m2 Resp RA n/y EMPC Conc.
1 Total Hexa-Furans 32.33 4.035e2 2.979e2 1.35 NO 0.71137 0.71137
2 Total Hexa-Furans 32.50 1.245e3 1.004e3 1.24 NO 2.2807 2.2807
3 Total Hexa-Furans 33.18 2.267e3 1.775e3 1.28 NO 4.0993 4.0993
4 1,2,3,4,7,8-HxCDF 33.69 7.132e2 6.207e2 1.15 NO 1.3575 1.3575
5 1,2,3,6,7,8-HxCDF 33.83 1.952e2 1.858e2 1.05 YES 0.34876 0.00000
6 2,3,4,6,7,8-HxCDF 34.55 2.518e2 2.195e2 1.15 NO 0.47985 0.47985
210406D1_14
USMPDI-060RAB-10-20-210317 2103216-08 USMPDI-060RAB-10-20-210317 12.05
F3:Voltage SIR,EI+ 373.821 1.095e+004
1,2,3,6,7,8-HxCDF 33.83 185.24 3459
2,3,4,6,7,8-HxCDF 34.55 251.83 3865
F3:Voltage SIR,EI+ 375.818 6.991e+003
1,2,3,6,7,8-HxCDF 33.84 185.58 2925
2,3,4,6,7,8-HxCDF 34.50 219.46 4069
F3:Voltage SIR,EI+ 383.864 1.119e+006
13C-1,2,3,4,7,8-HxCDF;33.68;57533.47;1072203
F3:Voltage SIR,EI+ 385.861 2.177e+006
13C-1,2,3,4,7,8-HxCDF;33.68;114125.45;2125123
F3:Voltage SIR,EI+ 383.864 1.119e+006
13C-1,2,3,6,7,8-HxCDF;33.82;84848.54;1112206
Ready
210406D1_14

TargetLynx - 210406D1-14 - [Chromatogram]

File Edit View Display Processing Window Help

	Name	Resp	RA	nAy	RRF	wAvCal	RT	RRT	Conc.	%Rec	DL	EMPC
46	Total Hexa-Furans				1.1281	10.060			9.16		0.148	9.60
47	Total Hepta-Furans				1.1146	10.060			14.1		0.175	14.5
48	PFK1											
49	PFK2											
50	PFK3											

	Name	RT	m1 Resp	m2 Resp	RA	nAy	EMPC	Conc.
1	Total Hexa-Furans	32.33	4.035e2	2.979e2	1.35	NO	0.71137	0.71137
2	Total Hexa-Furans	32.50	1.245e3	1.004e3	1.24	NO	2.2807	2.2807
3	Total Hexa-Furans	33.18	2.267e3	1.775e3	1.28	NO	4.0993	4.0993
4	1,2,3,4,7,8-HxCDF	33.69	7.132e2	6.207e2	1.15	NO	1.3575	1.3575
5	1,2,3,6,7,8-HxCDF	33.83	1.952e2	1.856e2	1.05	YES	0.34976	0.00000
6	2,3,4,6,7,8-HxCDF	34.56	2.518e2	2.195e2	1.15	NO	0.47985	0.47985
7	1,2,3,7,8,9-HxCDF	35.67	4.306e1	5.542e1	0.78	YES	0.091132	0.00000
8	Total Hexa-Furans	35.71	1.174e2	1.094e2	1.07	NO	0.23000	0.23000

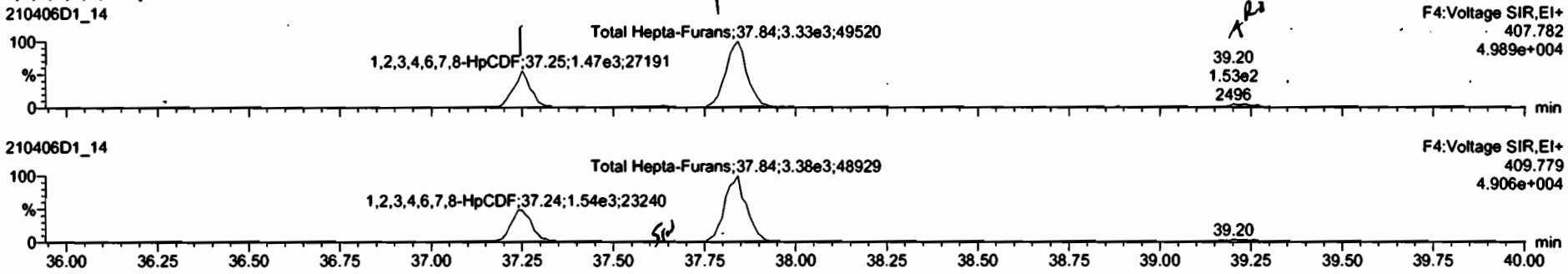


Dataset: Untitled

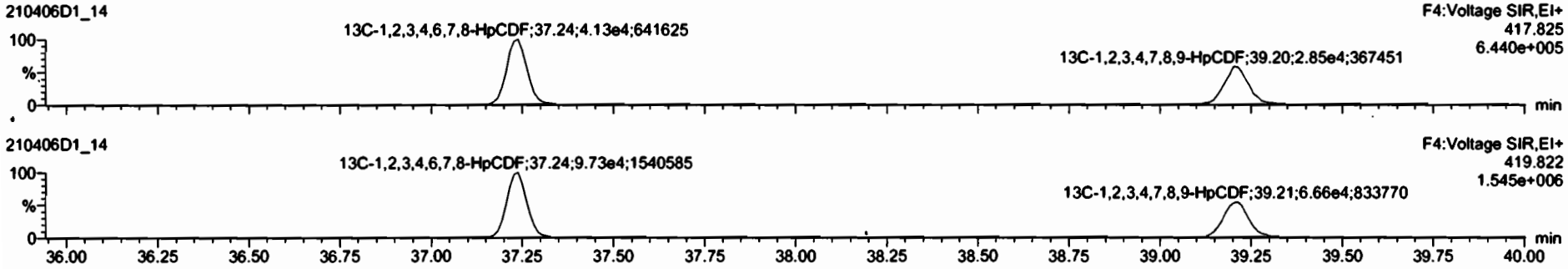
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_14, Date: 06-Apr-2021, Time: 18:24:08, ID: 2103216-08 USMPDI-060RAB-10-20-210317 12.05, Description: USMPDI-060RAB-10-20-210317

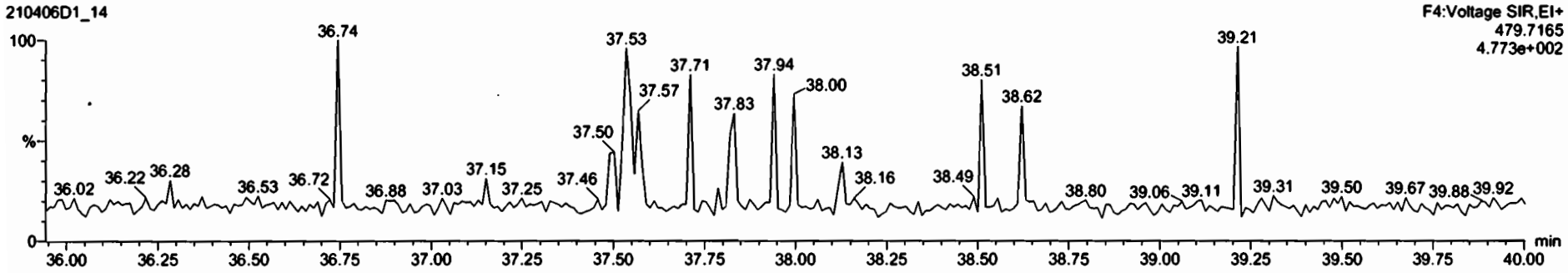
1,2,3,4,6,7,8-HpCDF



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



DPE4



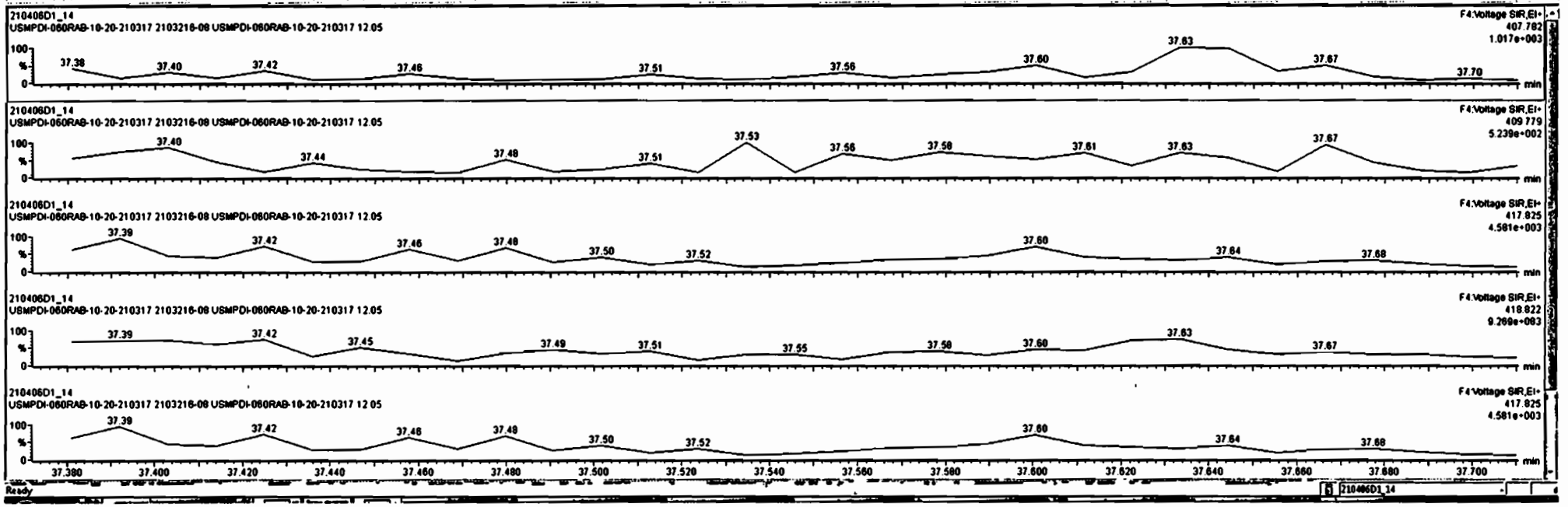
TargetLynx - 210406D1-14 * - [Chromatogram]

File Edit View Display Processing Window Help

210406D1_14 - 2103216-08 USMPDI-060RAB-10-20-210317 12.05 - USMPDI-060RAB-10-20-210317

	Name	Resp	RA	n/y	FRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
43	Total Tetra-Furans				[illegible]	10.060			1.32		0.0880	1.55
44	[illegible]				[illegible]	[illegible]			[illegible]		[illegible]	[illegible]
									[illegible]		[illegible]	[illegible]
									14.1		[illegible]	14.1
	[illegible]											
49	[illegible]											
50	[illegible]											

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	1,2,3,4,6,7,8-HpCDF	37.25	1.470e3	1.543e3	0.95	NO	3.8787	3.8787
2	Total Hepta-Furans	37.84	3.330e3	3.376e3	0.99	NO	10.238	10.238



Ready

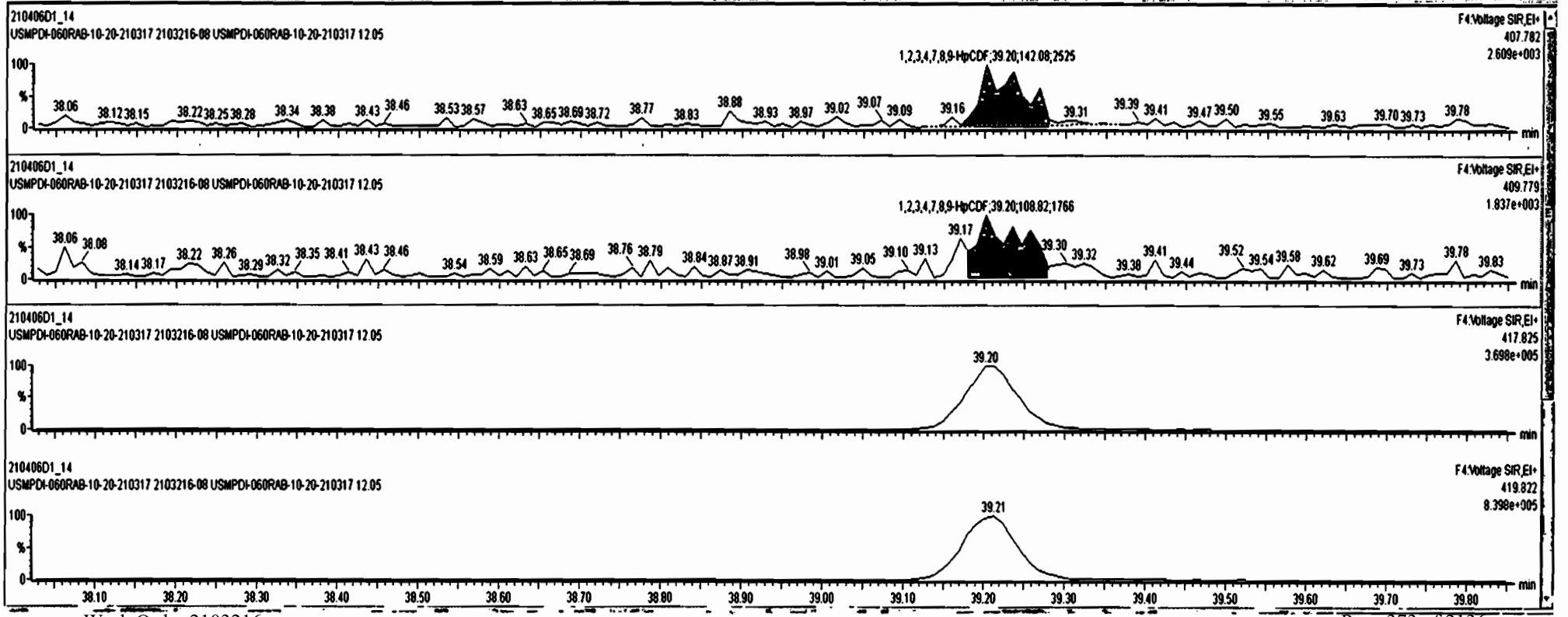
210406D1_14

TargetLynx - 210406D1-14 : [Chromatogram]

File Edit View Display Processing Window Help

45	[illegible]				1.0021	10.050			1.59		0.0816	3.33
46	[illegible]				1.1361	10.350			8.53		0.148	9.29
47	Total Hepta-Furans				1.1146	10.060			14.1		0.175	14.5
48	PFK1											
49	PFK2											
50	PFK3											

	Name	RT	m1 Resp	m2 Resp	RA	Flag	EMPC	Conc.
1	1,2,3,4,6,7,8-HpCDF	37.25	1.470e3	1.543e3	0.95	NO	3.8787	3.8787
2	Total Hepta-Furans	37.84	3.330e3	3.376e3	0.99	NO	10.238	10.238
3	1,2,3,4,7,8,9-HpCDF	39.20	1.421e2	1.088e2	1.31	YES	0.35268	0.00000



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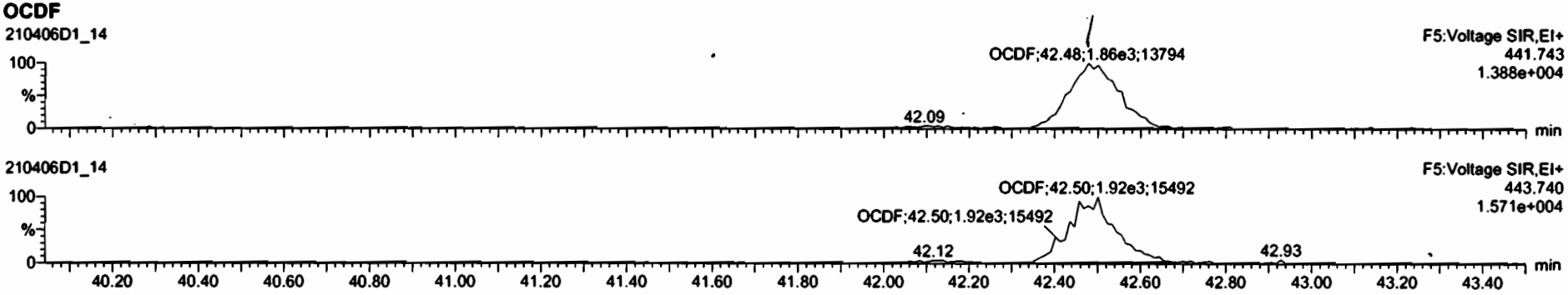
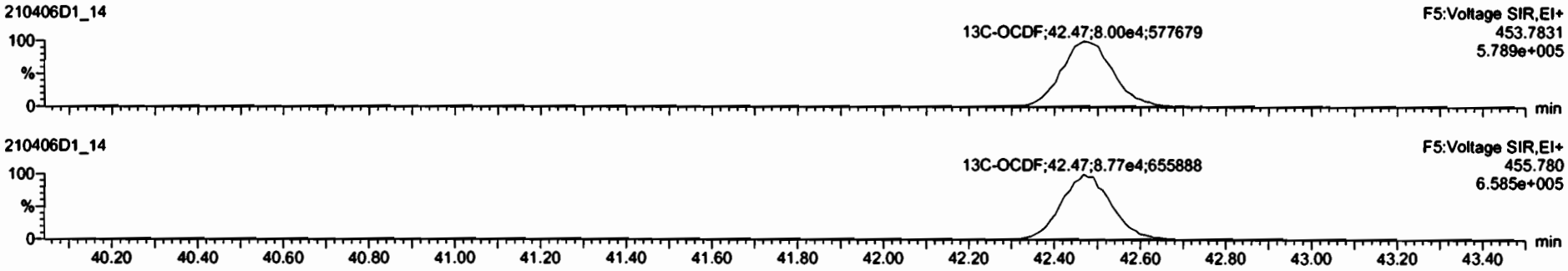
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_14, Date: 06-Apr-2021, Time: 18:24:08, ID: 2103216-08 USMPDI-060RAB-10-20-210317 12.05, Description: USMPDI-060RAB-10-20-210317

OCDF



13C-OCDF



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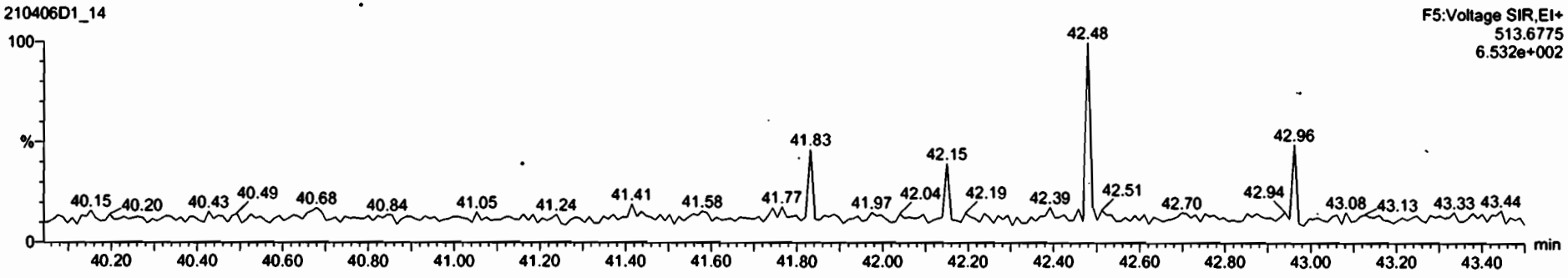

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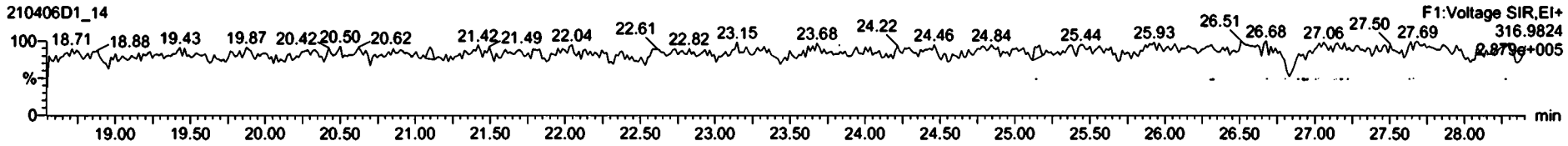
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_14, Date: 06-Apr-2021, Time: 18:24:08, ID: 2103216-08 USMPDI-060RAB-10-20-210317 12.05, Description: USMPDI-060RAB-10-20-210317

PFK1



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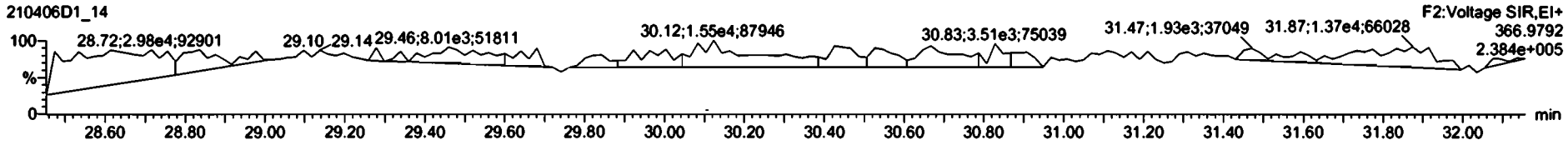

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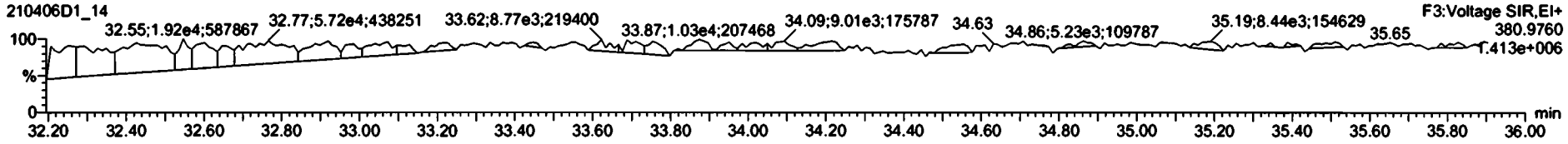

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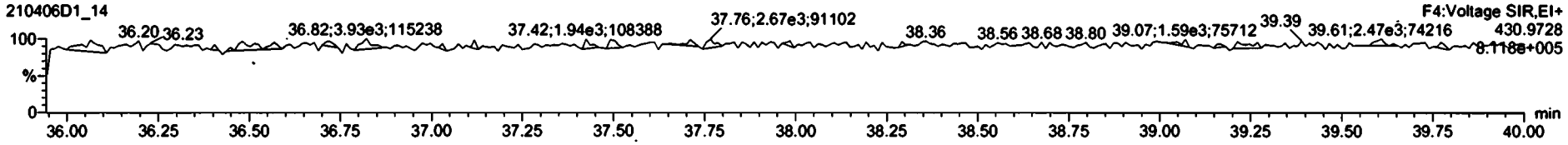

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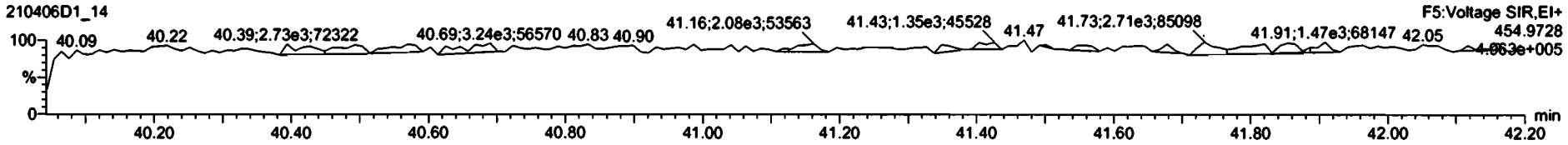

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-15.qld

Last Altered: Monday, April 19, 2021 09:56:51 Pacific Daylight Time
Printed: Monday, April 19, 2021 10:09:25 Pacific Daylight Time

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Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_4-6-21.mdb 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210406D1_15, Date: 06-Apr-2021, Time: 19:10:46, ID: B1C0237-DUP1 Duplicate 12.38, Description: Duplicate

#	Name	Resp.	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD			NO	0.998	10.336	27.097		1.001				0.0736	
2	1,2,3,7,8-PeCDD			NO	0.961	10.336	31.232		1.001				0.148	
3	1,2,3,4,7,8-HxCDD			NO	1.18	10.336	34.674		1.000				0.255	
4	1,2,3,6,7,8-HxCDD	4.59e2	1.50	YES	1.04	10.336	34.799	34.81	1.000	1.001	0.76838		0.266	0.679
5	1,2,3,7,8,9-HxCDD			NO	1.06	10.336	35.120		1.001				0.253	
6	1,2,3,4,6,7,8-HpCDD	1.06e4	1.01	NO	1.06	10.336	38.512	38.52	1.000	1.001	22.888		1.82	22.9
7	OCDD	8.69e4	0.91	NO	0.977	10.336	42.127	42.14	1.000	1.000	335.86		1.24	336
8	2,3,7,8-TCDF	5.37e2	0.68	NO	0.989	10.336	26.520	26.52	1.001	1.001	0.42384		0.0926	0.424
9	1,2,3,7,8-PeCDF	6.09e2	1.53	NO	1.02	10.336	30.104	30.10	1.001	1.001	0.55626		0.0939	0.556
10	2,3,4,7,8-PeCDF	1.20e3	1.64	NO	1.17	10.336	31.080	31.05	1.001	1.000	1.0125		0.0893	1.01
11	1,2,3,4,7,8-HxCDF	1.90e3	1.22	NO	1.14	10.336	33.703	33.69	1.001	1.000	1.9406		0.164	1.94
12	1,2,3,6,7,8-HxCDF	4.87e2	1.21	NO	1.04	10.336	33.840	33.84	1.000	1.000	0.48019		0.165	0.480
13	2,3,4,6,7,8-HxCDF	6.91e2	1.24	NO	1.13	10.336	34.550	34.59	1.000	1.001	0.71701		0.179	0.717
14	1,2,3,7,8,9-HxCDF	2.36e2	1.05	YES	1.07	10.336	35.663	35.70	1.000	1.001	0.27398		0.228	0.253
15	1,2,3,4,6,7,8-HpCDF	3.98e3	1.04	NO	1.11	10.336	37.319	37.28	1.001	1.000	5.4716		0.220	5.47
16	1,2,3,4,7,8,9-HpCDF	4.82e2	1.23	YES	1.32	10.336	39.235	39.24	1.000	1.000	0.80693		0.223	0.737
17	OCDF	3.88e3	0.91	NO	0.931	10.336	42.533	42.56	1.000	1.001	10.538		1.14	10.5
18	13C-2,3,7,8-TCDD	1.63e5	0.87	NO	1.20	10.336	27.073	27.08	1.024	1.024	194.47	101	0.341	
19	13C-1,2,3,7,8-PeCDD	1.31e5	0.64	NO	0.864	10.336	31.225	31.21	1.181	1.181	216.40	112	0.293	
20	13C-1,2,3,4,7,8-HxCDD	1.03e5	1.28	NO	0.600	10.336	34.647	34.66	1.014	1.015	210.92	109	0.554	
21	13C-1,2,3,6,7,8-HxCDD	1.13e5	1.31	NO	0.674	10.336	34.767	34.78	1.018	1.018	205.75	106	0.493	
22	13C-1,2,3,7,8,9-HxCDD	1.18e5	1.32	NO	0.679	10.336	35.078	35.09	1.027	1.027	214.50	111	0.489	
23	13C-1,2,3,4,6,7,8-HpCDD	8.44e4	1.07	NO	0.558	10.336	38.425	38.50	1.125	1.127	186.22	96.2	1.12	
24	13C-OCDD	1.02e5	0.94	NO	0.496	10.336	42.033	42.13	1.230	1.233	254.41	65.7	0.489	
25	13C-2,3,7,8-TCDF	2.48e5	0.79	NO	1.03	10.336	26.494	26.49	1.002	1.002	190.10	98.2	0.320	
26	13C-1,2,3,7,8-PeCDF	2.07e5	1.66	NO	0.805	10.336	30.094	30.08	1.138	1.138	202.69	105	0.472	
27	13C-2,3,4,7,8-PeCDF	1.95e5	1.66	NO	0.748	10.336	31.046	31.05	1.174	1.175	205.55	106	0.508	
28	13C-1,2,3,4,7,8-HxCDF	1.67e5	0.50	NO	0.968	10.336	33.660	33.68	0.985	0.986	211.81	109	0.767	
29	13C-1,2,3,6,7,8-HxCDF	1.88e5	0.50	NO	1.08	10.336	33.828	33.83	0.990	0.990	213.85	111	0.684	
30	13C-2,3,4,6,7,8-HxCDF	1.65e5	0.52	NO	0.960	10.336	34.538	34.54	1.011	1.011	212.11	110	0.773	
31	13C-1,2,3,7,8,9-HxCDF	1.55e5	0.50	NO	0.869	10.336	35.648	35.66	1.044	1.044	220.21	114	0.854	

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-15.qld

Last Altered: Monday, April 19, 2021 09:56:51 Pacific Daylight Time
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Name: 210406D1_15, Date: 06-Apr-2021, Time: 19:10:46, ID: B1C0237-DUP1 Duplicate 12.38, Description: Duplicate

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	1.26e5	0.43	NO	0.794	10.336	37.206	37.28	1.089	1.091	195.87	101	0.943	
33	33 13C-1,2,3,4,7,8,9-HpCDF	8.80e4	0.43	NO	0.586	10.336	39.215	39.24	1.148	1.149	184.91	95.6	1.28	
34	34 13C-OCDF	1.53e5	0.89	NO	0.711	10.336	42.395	42.53	1.241	1.245	265.22	68.5	0.591	
35	35 37Cl-2,3,7,8-TCDD	6.29e4			1.11	10.336	27.083	27.09	1.025	1.025	81.298	105	0.0852	
36	36 13C-1,2,3,4-TCDD	1.35e5	0.83	NO	1.00	10.336	26.420	26.43	1.000	1.000	193.50	100	0.410	
37	37 13C-1,2,3,4-TCDF	2.46e5	0.84	NO	1.00	10.336	25.210	25.21	1.000	1.000	193.50	100	0.328	
38	38 13C-1,2,3,4,6,9-HxCDF	1.57e5	0.51	NO	1.00	10.336	34.180	34.16	1.000	1.000	193.50	100	0.742	
39	39 Total Tetra-Dioxins				0.998	10.336	24.620		0.000		0.00000		0.0332	0.166
40	40 Total Penta-Dioxins				0.961	10.336	29.960		0.000		0.45925		0.148	0.658
41	41 Total Hexa-Dioxins				1.04	10.336	33.635		0.000		3.8179		0.270	4.85
42	42 Total Hepta-Dioxins				1.06	10.336	37.640		0.000		49.382		1.82	49.4
43	43 Total Tetra-Furans				0.989	10.336	23.610		0.000		2.4126		0.0926	2.56
44	44 1st Func. Penta-Furans				1.02	10.336	27.730		0.000		2.5732		0.0305	2.57
45	45 Total Penta-Furans				1.02	10.336	29.275		0.000		4.5846		0.0981	4.96
46	46 Total Hexa-Furans				1.13	10.336	33.555		0.000		12.594		0.177	13.0
47	47 Total Hepta-Furans				1.11	10.336	37.835		0.000		18.912		0.286	19.6

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Dataset: U:\VG7.PRO\Results\210406D1\210406D1-15.qld

Last Altered: Monday, April 19, 2021 09:56:51 Pacific Daylight Time
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Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_4-6-21.mdb 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210406D1_15, Date: 06-Apr-2021, Time: 19:10:46, ID: B1C0237-DUP1 Duplicate 12.38, Description: Duplicate

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	23.97	1.025e3	1.413e3	8.231e1	7.905e1	1.04	YES	0.000e0	0.00000	0.16609	0.0332

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	29.18	1.810e3	3.079e3	1.055e2	1.924e2	0.55	NO	2.979e2	0.45925	0.45925	0.148
2	Total Penta-Dioxins	29.74	7.120e2	2.503e3	3.360e1	1.579e2	0.21	YES	0.000e0	0.00000	0.13401	0.148
3	Total Penta-Dioxins	31.55	4.470e2	9.800e2	1.624e1	3.710e1	0.44	YES	0.000e0	0.00000	0.064768	0.148

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	32.89	1.462e4	1.057e4	7.885e2	6.086e2	1.30	NO	1.397e3	2.3376	2.3376	0.270
2	Total Hexa-Dioxins	33.53	3.816e3	2.418e3	1.447e2	9.303e1	1.56	YES	0.000e0	0.00000	0.34869	0.270
3	Total Hexa-Dioxins	33.85	1.220e4	1.061e4	5.001e2	3.846e2	1.30	NO	8.847e2	1.4803	1.4803	0.270
4	1,2,3,6,7,8-HxCDD	34.81	4.581e3	2.968e3	2.755e2	1.836e2	1.50	YES	4.591e2	0.00000	0.67940	0.266

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.61	7.188e4	6.869e4	6.410e3	5.836e3	1.10	NO	1.225e4	26.495	26.495	1.82
2	1,2,3,4,6,7,8-HpCDD	38.52	5.869e4	5.810e4	5.319e3	5.259e3	1.01	NO	1.058e4	22.888	22.888	1.82

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-15.qld

Last Altered: Monday, April 19, 2021 09:56:51 Pacific Daylight Time
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Name: 210406D1_15, Date: 06-Apr-2021, Time: 19:10:46, ID: B1C0237-DUP1 Duplicate 12.38, Description: Duplicate

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	23.33	4.623e3	6.219e3	3.202e2	4.368e2	0.73	NO	7.570e2	0.59779	0.59779	0.0926
2	Total Tetra-Furans	24.05	2.118e3	2.009e3	1.263e2	1.529e2	0.83	NO	2.792e2	0.22046	0.22046	0.0926
3	Total Tetra-Furans	24.40	2.520e3	3.201e3	1.531e2	2.225e2	0.69	NO	3.756e2	0.29659	0.29659	0.0926
4	Total Tetra-Furans	25.32	3.534e3	4.441e3	2.823e2	4.126e2	0.68	NO	6.949e2	0.54878	0.54878	0.0926
5	Total Tetra-Furans	25.68	3.200e3	4.017e3	1.690e2	2.428e2	0.70	NO	4.118e2	0.32517	0.32517	0.0926
6	2,3,7,8-TCDF	26.52	4.751e3	6.198e3	2.175e2	3.192e2	0.68	NO	5.367e2	0.42384	0.42384	0.0926
7	Total Tetra-Furans	27.61	1.736e3	3.387e3	8.158e1	1.251e2	0.65	YES	0.000e0	0.00000	0.14809	0.0926

Penta-Furans function 1

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1st Func. Penta-Furans	27.78	3.239e4	2.019e4	1.689e3	1.047e3	1.61	NO	2.736e3	2.5732	2.5732	0.0305

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	29.06	1.570e3	1.714e3	1.184e2	1.028e2	1.15	YES	0.000e0	0.00000	0.18315	0.0981
2	Total Penta-Furans	29.22	1.805e4	1.001e4	1.170e3	7.110e2	1.65	NO	1.881e3	1.7689	1.7689	0.0981
3	Total Penta-Furans	29.78	5.262e3	4.328e3	3.566e2	2.640e2	1.35	NO	6.206e2	0.58364	0.58364	0.0981
4	Total Penta-Furans	29.92	1.233e3	1.583e3	7.329e1	9.549e1	0.77	YES	0.000e0	0.00000	0.11339	0.0981
5	1,2,3,7,8-PeCDF	30.10	8.394e3	5.971e3	3.684e2	2.407e2	1.53	NO	6.091e2	0.55626	0.55626	0.0939
6	Total Penta-Furans	30.26	2.554e3	1.866e3	1.230e2	8.757e1	1.40	NO	2.105e2	0.19798	0.19798	0.0981
7	Total Penta-Furans	30.33	6.347e3	3.883e3	3.053e2	1.894e2	1.61	NO	4.947e2	0.46525	0.46525	0.0981
8	Total Penta-Furans	30.89	9.290e2	1.306e3	4.829e1	7.004e1	0.69	YES	0.000e0	0.00000	0.074709	0.0981
9	2,3,4,7,8-PeCDF	31.05	1.255e4	7.696e3	7.449e2	4.547e2	1.64	NO	1.200e3	1.0125	1.0125	0.0893

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-15.qld

Last Altered: Monday, April 19, 2021 09:56:51 Pacific Daylight Time
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Name: 210406D1_15, Date: 06-Apr-2021, Time: 19:10:46, ID: B1C0237-DUP1 Duplicate 12.38, Description: Duplicate

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.32	8.978e3	8.180e3	4.780e2	4.280e2	1.12	NO	9.059e2	0.92007	0.92007	0.177
2	Total Hexa-Furans	32.50	3.181e4	2.819e4	1.637e3	1.341e3	1.22	NO	2.979e3	3.0252	3.0252	0.177
3	Total Hexa-Furans	33.17	5.689e4	4.568e4	3.039e3	2.387e3	1.27	NO	5.426e3	5.5111	5.5111	0.177
4	1,2,3,4,7,8-HxCDF	33.69	1.609e4	1.414e4	1.045e3	8.549e2	1.22	NO	1.900e3	1.9406	1.9406	0.164
5	1,2,3,6,7,8-HxCDF	33.84	5.804e3	3.772e3	2.669e2	2.200e2	1.21	NO	4.870e2	0.48019	0.48019	0.165
6	2,3,4,6,7,8-HxCDF	34.59	6.209e3	5.619e3	3.829e2	3.083e2	1.24	NO	6.912e2	0.71701	0.71701	0.179
7	1,2,3,7,8,9-HxCDF	35.70	3.177e3	3.264e3	1.209e2	1.155e2	1.05	YES	2.365e2	0.00000	0.25311	0.228
8	Total Hexa-Furans	35.72	3.635e3	2.504e3	9.758e1	6.027e1	1.62	YES	0.000e0	0.00000	0.13710	0.177

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	37.28	2.881e4	2.696e4	2.024e3	1.955e3	1.04	NO	3.979e3	5.4716	5.4716	0.220
2	Total Hepta-Furans	37.87	5.631e4	5.729e4	4.294e3	3.998e3	1.07	NO	8.292e3	13.440	13.440	0.286
3	1,2,3,4,7,8,9-HpCDF	39.24	3.112e3	2.950e3	2.665e2	2.160e2	1.23	YES	4.825e2	0.00000	0.73696	0.323

Dataset: Untitled

Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
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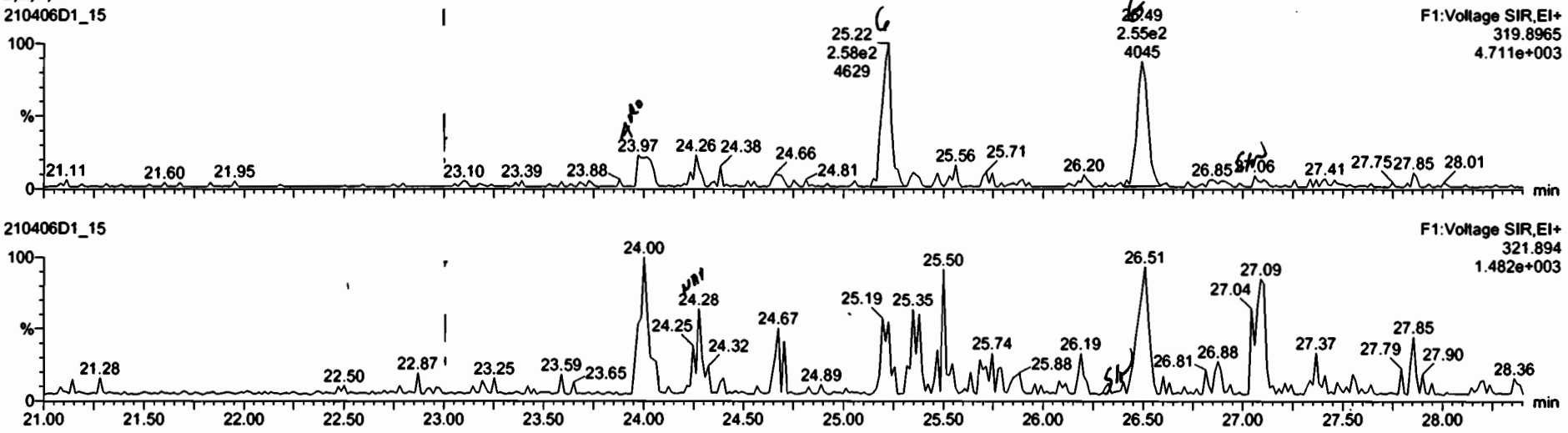
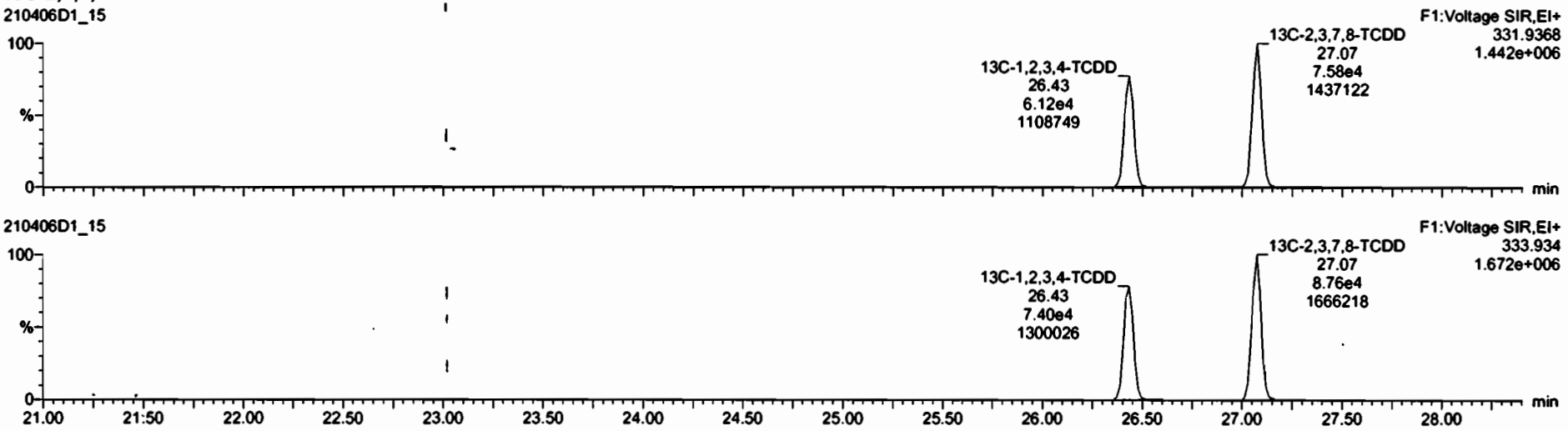
Name: 210406D1_15, Date: 06-Apr-2021, Time: 19:10:46, ID: B1C0237-DUP1 Duplicate 12.38, Description: Duplicate

2,3,7,8-TCDD



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



TargetLynx - 210406D1-15 * - [Chromatogram]

File Edit View Display Processing Window Help

210406D1_15 B1C0237-DUP1 Duplicate 12.38 Duplicate

	Name	Resp	RA	n/y	RRF	Interval	RT	RRT	Conc.	%Rec	DL	EMPC
39	Total Tetra-Dioxins				0.9976	10.336			0.000		0.0332	0.166
40	Total Penta-Dioxins				0.9613	10.336			0.000		0.0557	1.32
41	Total Hexa-Dioxins				1.0494	10.336			4.82		0.270	5.50
42	Total Hepta-Dioxins				1.0552	10.336			45.4		1.82	49.4
43	Total Tetra-Furans				0.9855	10.336			1.99		0.0926	2.36
44	1st Func. Penta-Furans				1.0221	10.336			2.57		0.0305	2.57
45	Total Penta-Furans				1.0221	10.336			3.36		0.0981	4.48
46	Total Hexa-Furans				1.1781	10.336			12.5		0.177	12.9

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Tetra-Dioxins	23.97	8.231e1	7.905e1	1.04	YES	0.16609	0.00000

210406D1_15
Duplicate B1C0237-DUP1 Duplicate 12.38
F1:Voltage SIR,EI+
319.8965
1.102e+003
Total Tetra-Dioxins;23.97;82.31;1025

210406D1_15
Duplicate B1C0237-DUP1 Duplicate 12.38
F1:Voltage SIR,EI+
321.894
1.482e+003
Total Tetra-Dioxins;24.00;79.05;1413

210406D1_15
Duplicate B1C0237-DUP1 Duplicate 12.38
F1:Voltage SIR,EI+
331.9368
2.316e+003

210406D1_15
Duplicate B1C0237-DUP1 Duplicate 12.38
F1:Voltage SIR,EI+
333.934
8.509e+002

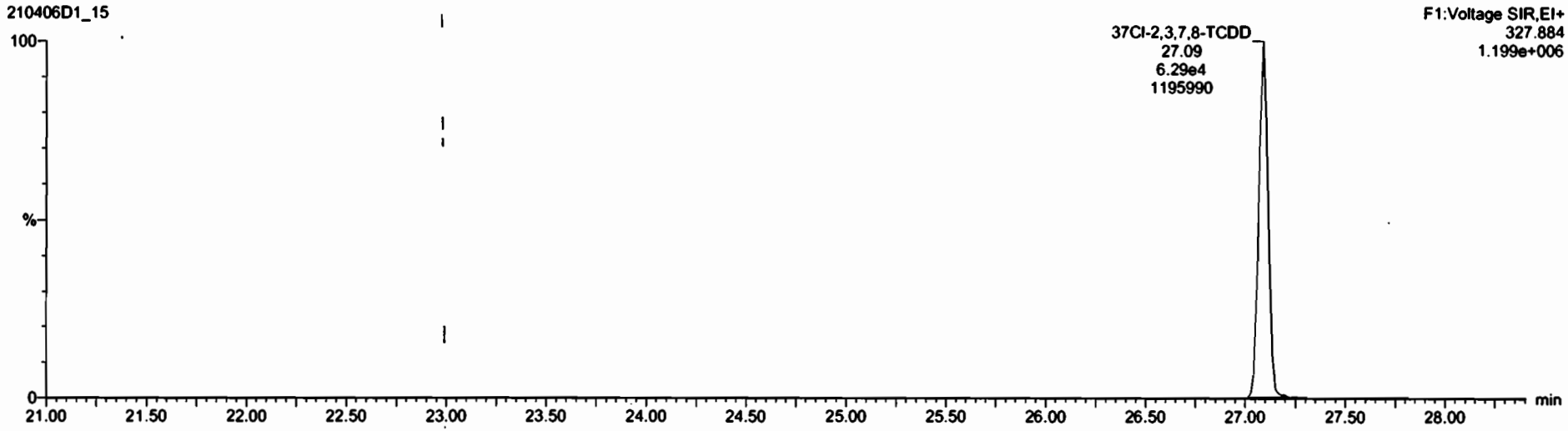
Ready

Dataset: Untitled

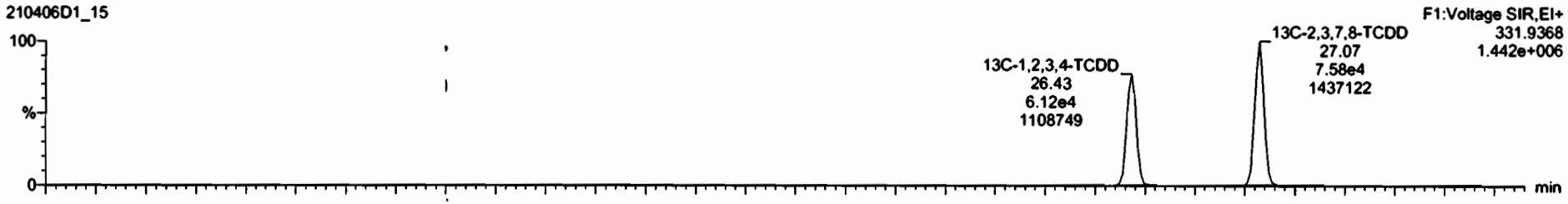
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

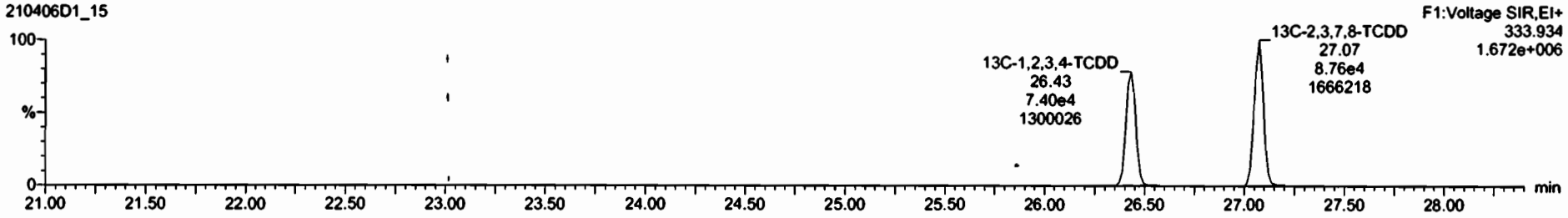
Name: 210406D1_15, Date: 06-Apr-2021, Time: 19:10:46, ID: B1C0237-DUP1 Duplicate 12.38, Description: Duplicate

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



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



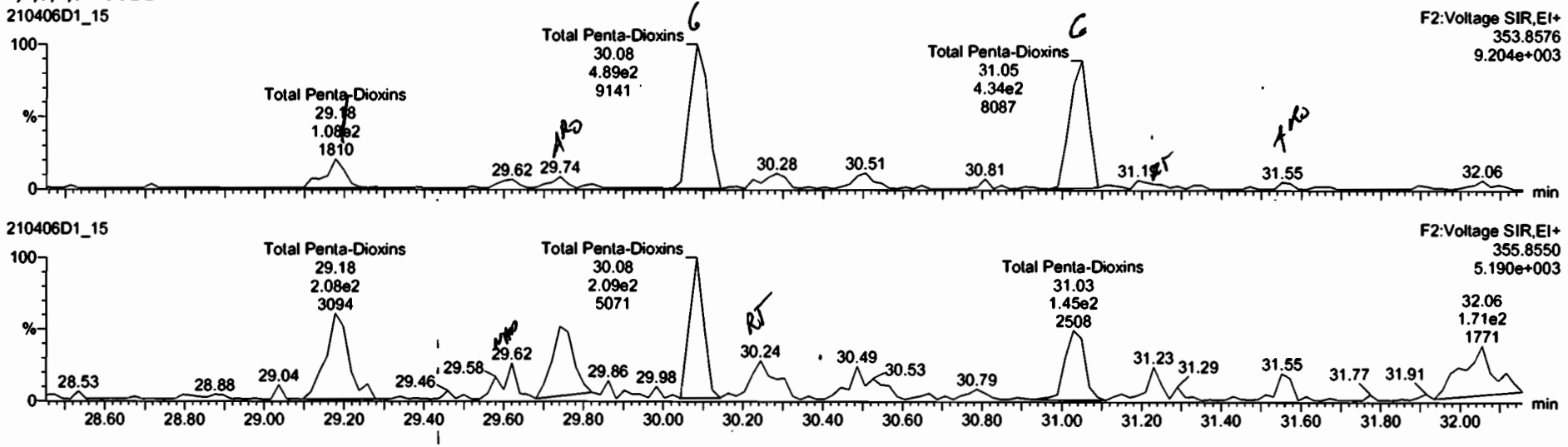


Dataset: Untitled

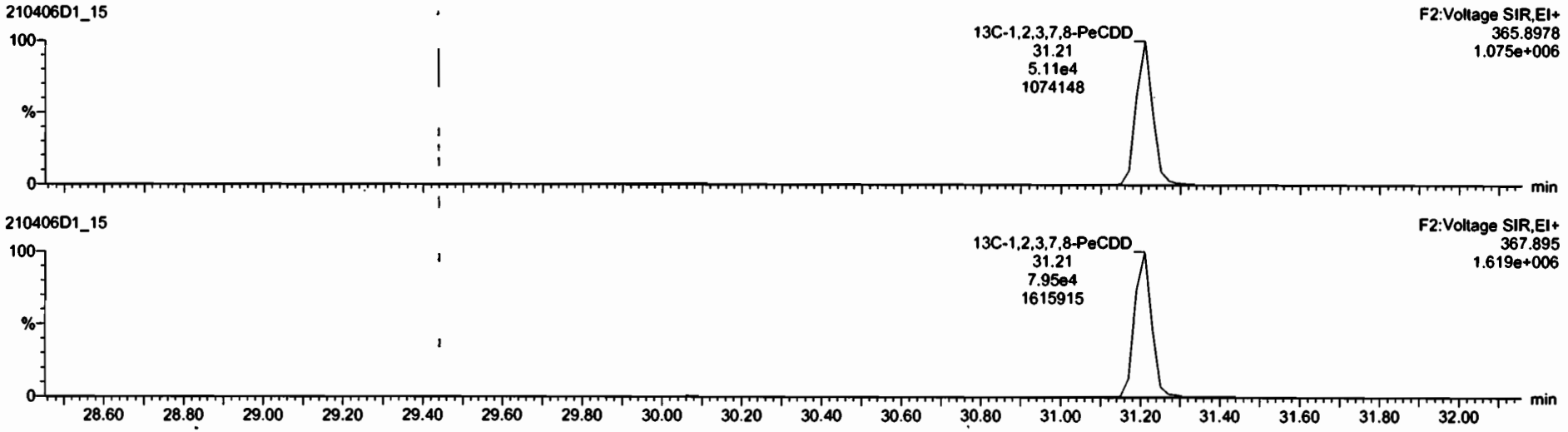
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_15, Date: 06-Apr-2021, Time: 19:10:46, ID: B1C0237-DUP1 Duplicate 12.38, Description: Duplicate

1,2,3,7,8-PeCDD



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

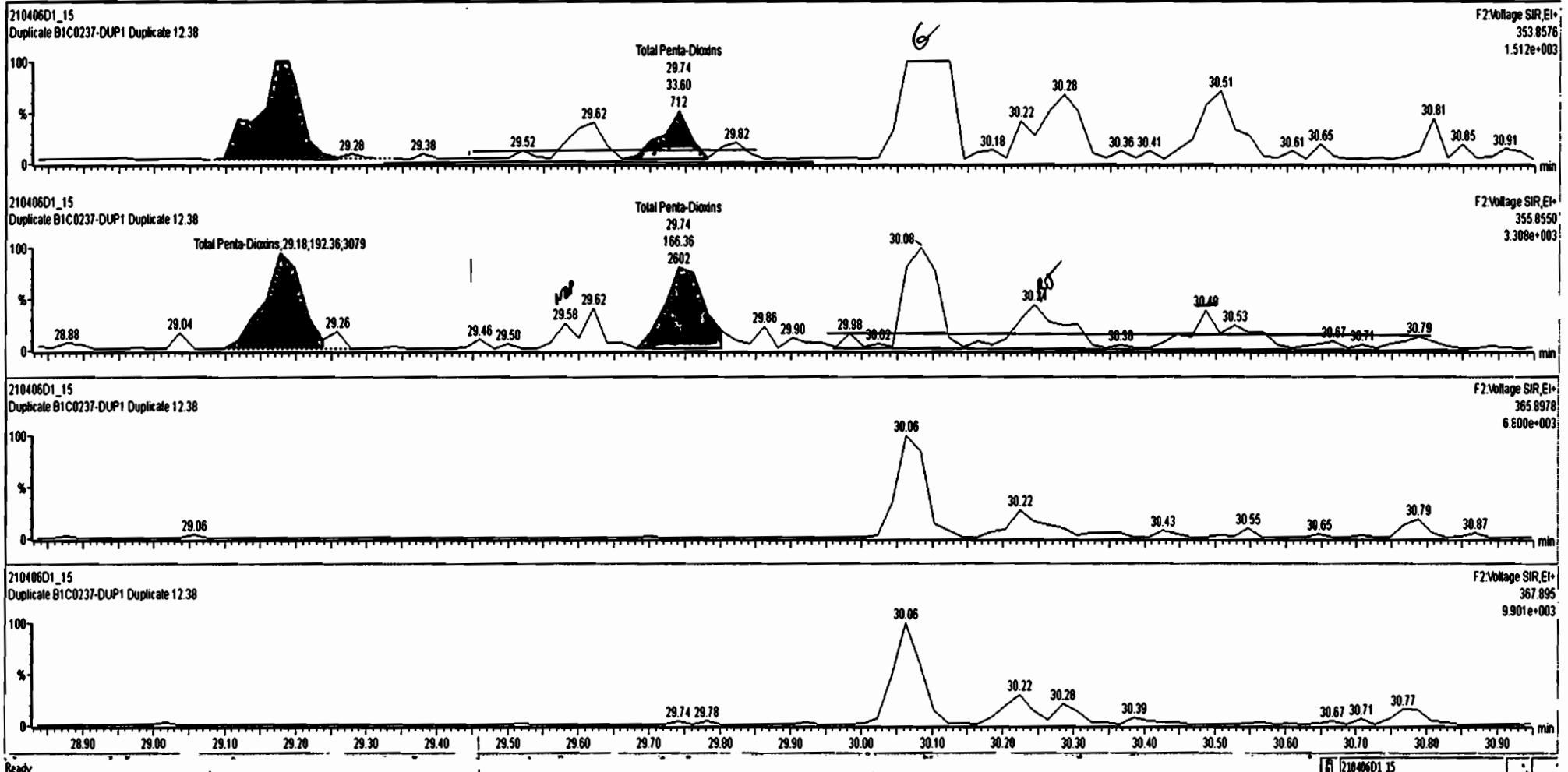


TargetLynx - 210406D1-15 * - [Chromatogram]

File Edit View Display Processing Window Help

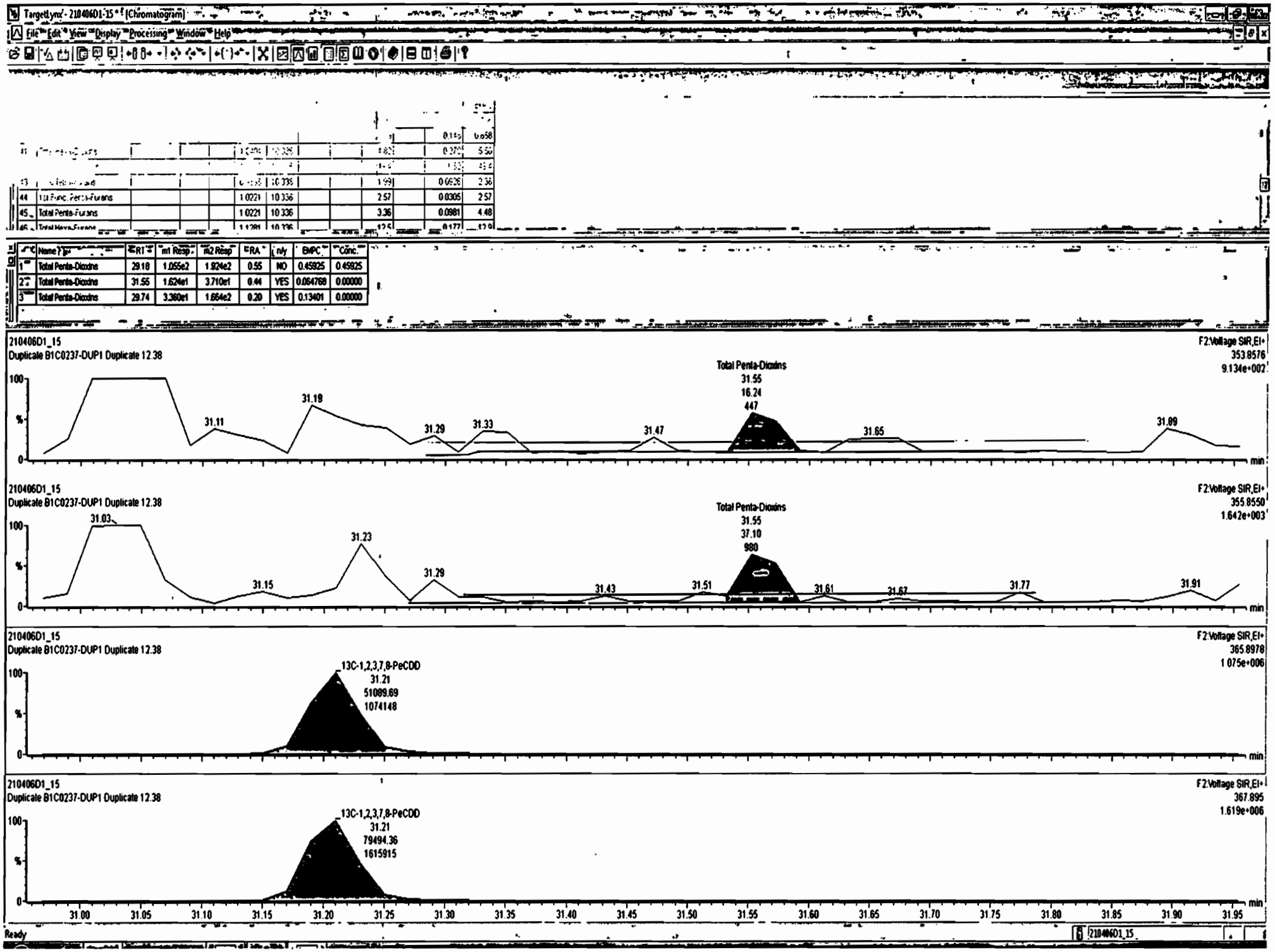
39	[illegible]								0.000		0.0033	0.166
40	[illegible]				0.9613	10.336			0.459		0.148	0.658
41	[illegible]				1.0484	10.336			4.82		0.270	5.50
42	[illegible]				1.0452	10.335			49.4		1.82	49.4
43	[illegible]				0.9895	10.336			1.99		0.0926	2.36
44	1st Func. Penta-Furans				1.0221	10.336			2.57		0.0305	2.57
45	Total Penta-Furans				1.0221	10.336			3.36		0.0981	4.48
46	[illegible]				1.1381	10.336			12.6		0.177	12.6

	Name	RT	m1 Resp	m2 Resp	RA	My	EMPC	Conc.
1	Total Penta-Dioxins	29.18	1.055e2	1.924e2	0.55	NO	0.45925	0.45925
2	Total Penta-Dioxins	31.55	1.624e1	3.710e1	0.44	YES	0.064768	0.00000
3	Total Penta-Dioxins	29.74	3.360e1	1.664e2	0.20	YES	0.13401	0.00000



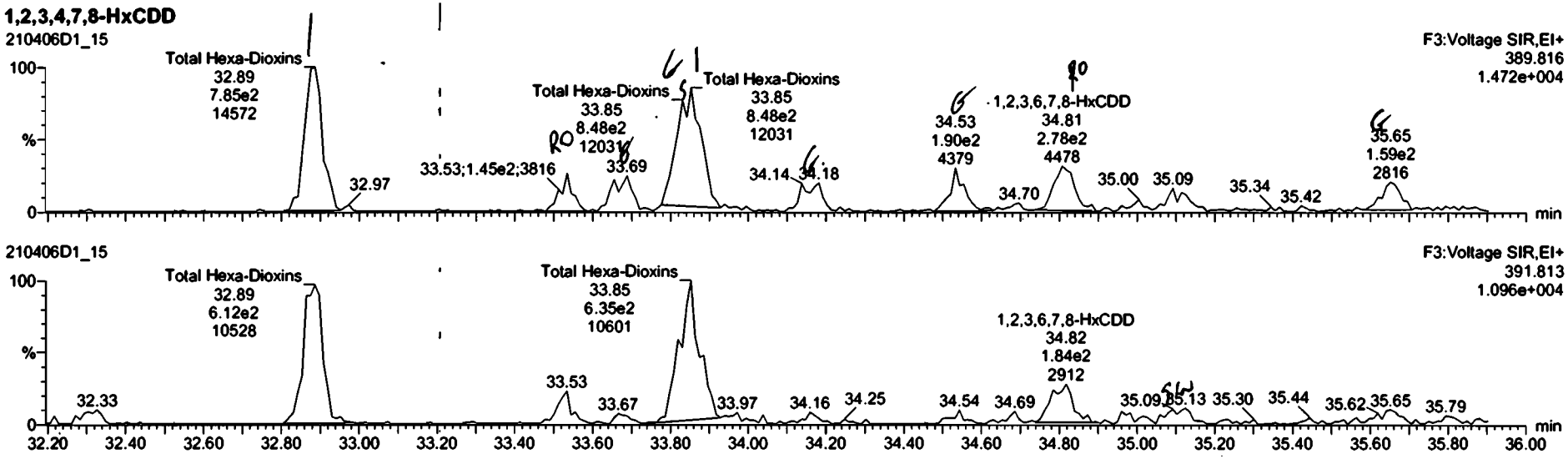
Ready

210406D1_15

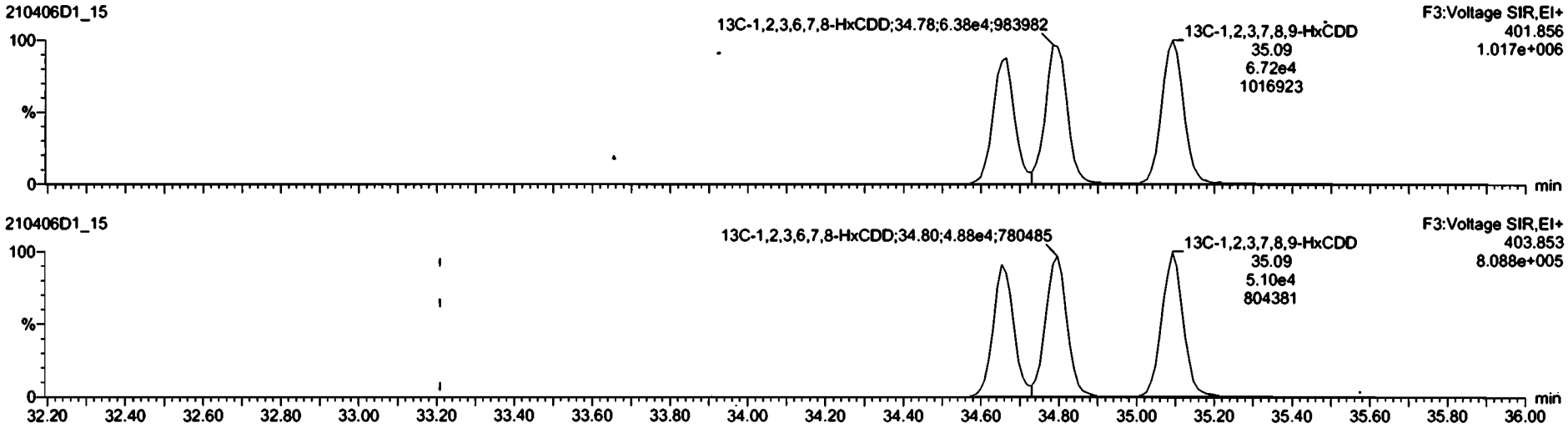

TargetLynx - 210406D1-15 * [Chromatogram]
File Edit View Display Processing Window Help
44 Total Penta-Furans 1.0221 10.336 2.57 0.0305 2.57
45 Total Penta-Furans 1.0221 10.336 3.36 0.0981 4.48
Name Type RT m1 Resp. m2 Resp. RA nAy EMPC Conc.
1 Total Penta-Dioxins 29.18 1.055e2 1.924e2 0.55 NO 0.45925 0.45925
2 Total Penta-Dioxins 31.55 1.624e1 3.710e1 0.44 YES 0.064768 0.00000
3 Total Penta-Dioxins 29.74 3.360e1 1.664e2 0.20 YES 0.13401 0.00000
210406D1_15
Duplicate B1C0237-DUP1 Duplicate 12.38
F2:Voltage SIR,EI+
353.8576
9.134e+002
Total Penta-Dioxins
31.55
16.24
447
31.11
31.19
31.29
31.33
31.47
31.65
31.89
210406D1_15
Duplicate B1C0237-DUP1 Duplicate 12.38
F2:Voltage SIR,EI+
355.8550
1.642e+003
Total Penta-Dioxins
31.55
37.10
980
31.03
31.15
31.23
31.29
31.43
31.51
31.61
31.67
31.77
31.91
210406D1_15
Duplicate B1C0237-DUP1 Duplicate 12.38
F2:Voltage SIR,EI+
365.8978
1.075e+006
13C-1,2,3,7,8-PeCDD
31.21
51089.69
1074148
210406D1_15
Duplicate B1C0237-DUP1 Duplicate 12.38
F2:Voltage SIR,EI+
367.895
1.619e+006
13C-1,2,3,7,8-PeCDD
31.21
79494.36
1615915
31.00 31.05 31.10 31.15 31.20 31.25 31.30 31.35 31.40 31.45 31.50 31.55 31.60 31.65 31.70 31.75 31.80 31.85 31.90 31.95
Ready
210406D1_15

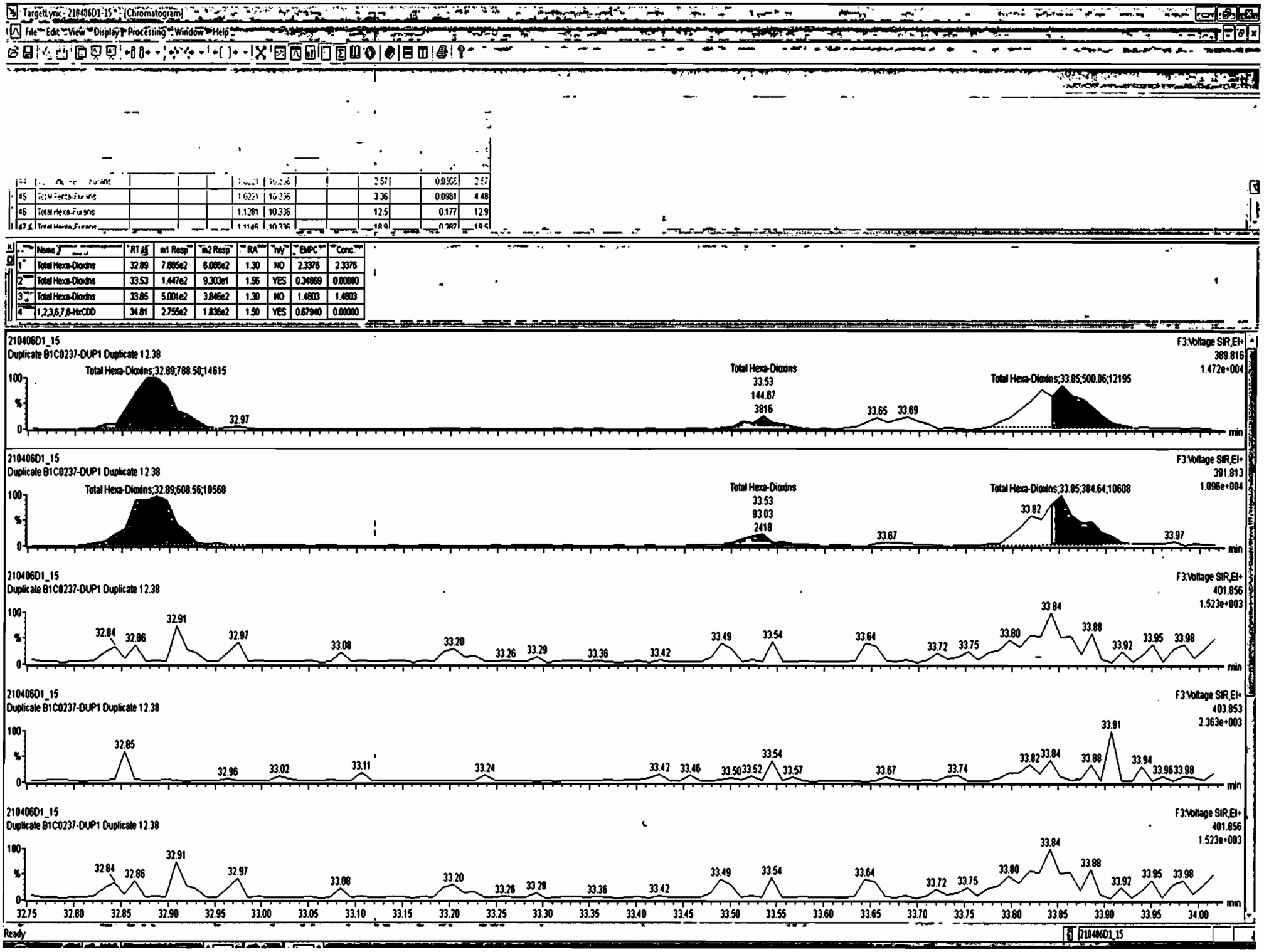
Name: 210406D1_15, Date: 06-Apr-2021, Time: 19:10:46, ID: B1C0237-DUP1 Duplicate 12.38, Description: Duplicate

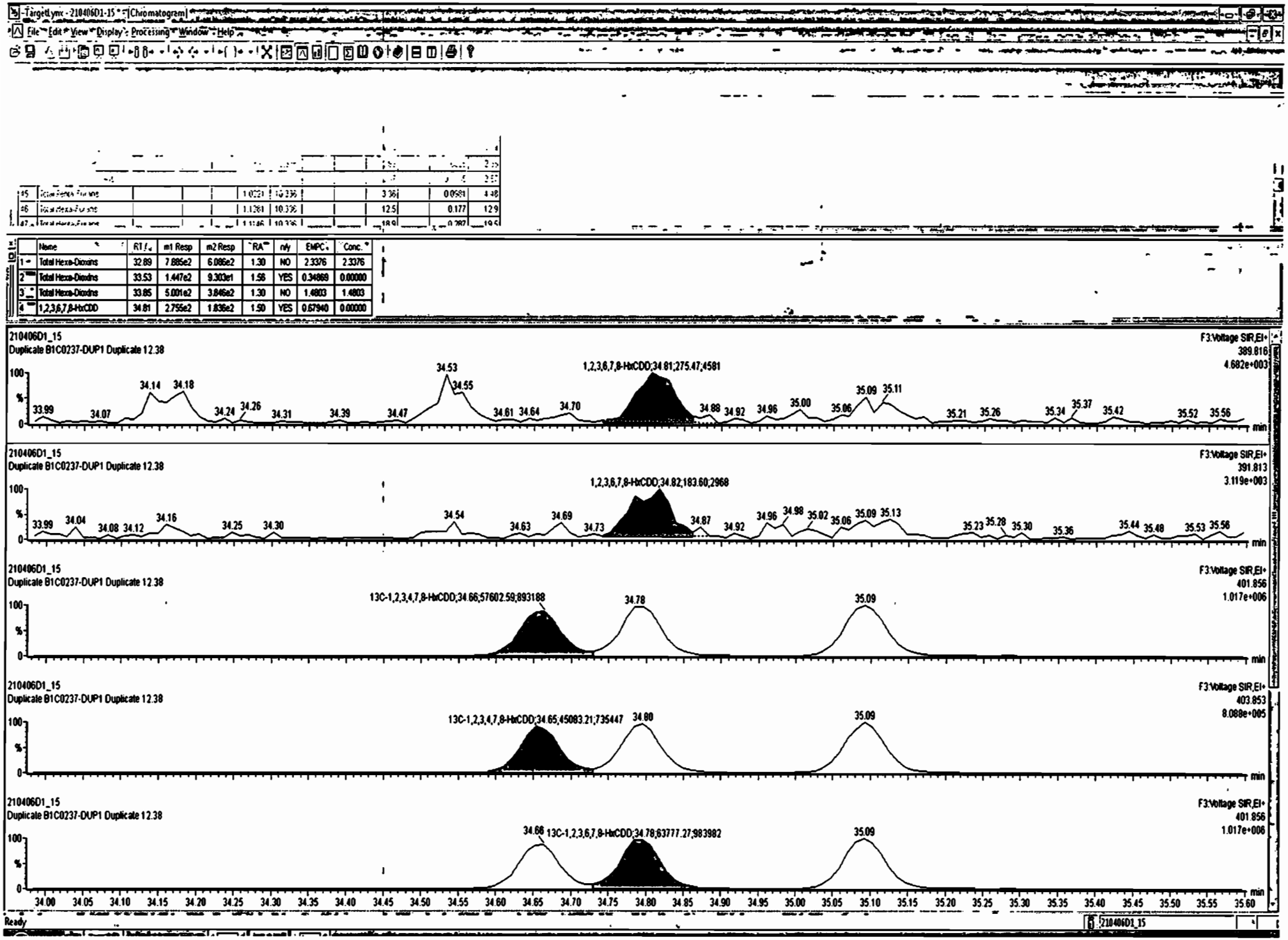
1,2,3,4,7,8-HxCDD



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




TargetLynx - 210406D1-15 (Chromatogram)
File Edit View Display Processing Window Help
45 Total Hexa-Furans 1.0221 10.336 3.36 0.0961 4.48
46 Total Hexa-Furans 1.1281 10.336 12.5 0.177 12.9
47 Total Hepta-Furans 1.1146 10.336 18.9 0.297 19.5
1 Total Hexa-Dioxins 32.89 7.885e2 6.086e2 1.30 NO 2.3376 2.3376
2 Total Hexa-Dioxins 33.53 1.447e2 9.303e1 1.56 YES 0.34869 0.00000
3 Total Hexa-Dioxins 33.85 5.001e2 3.846e2 1.30 NO 1.4803 1.4803
4 1,2,3,6,7,8-HxCDD 34.81 2.755e2 1.836e2 1.50 YES 0.67940 0.00000
210406D1_15
Duplicate B1C0237-DUP1 Duplicate 12.38
F3:Voltage SIR,EI+
389.816
1.472e+004
Total Hexa-Dioxins;32.89;768.50;14615
Total Hexa-Dioxins
33.53
144.67
3816
Total Hexa-Dioxins;33.85;500.06;12195
32.97
33.65
33.69
F3:Voltage SIR,EI+
391.813
1.096e+004
Total Hexa-Dioxins;32.89;608.56;10568
Total Hexa-Dioxins
33.53
93.03
2418
Total Hexa-Dioxins;33.85;384.64;10608
33.82
33.67
33.97
F3:Voltage SIR,EI+
401.856
1.523e+003
32.84
32.86
32.91
32.97
33.08
33.20
33.26
33.29
33.36
33.42
33.49
33.54
33.64
33.72
33.75
33.80
33.84
33.88
33.92
33.95
33.98
F3:Voltage SIR,EI+
403.853
2.363e+003
32.85
32.96
33.02
33.11
33.24
33.42
33.46
33.50
33.52
33.54
33.57
33.67
33.74
33.82
33.84
33.88
33.91
33.94
33.96
33.98
F3:Voltage SIR,EI+
401.856
1.523e+003
32.75
32.80
32.85
32.90
32.95
33.00
33.05
33.10
33.15
33.20
33.25
33.30
33.35
33.40
33.45
33.50
33.55
33.60
33.65
33.70
33.75
33.80
33.85
33.90
33.95
34.00
min
Ready
210406D1_15


TargetLynx - 210406D1-15 * - [Chromatogram]
File Edit View Display Processing Window Help
Name RT m1 Resp m2 Resp RA rdy EMPC Conc.
1 Total Hexa-Dioxins 32.89 7.885e2 6.086e2 1.30 NO 2.3376 2.3376
2 Total Hexa-Dioxins 33.53 1.447e2 9.303e1 1.56 YES 0.34869 0.00000
3 Total Hexa-Dioxins 33.85 5.001e2 3.846e2 1.30 NO 1.4803 1.4803
4 1,2,3,6,7,8-HxCDD 34.81 2.755e2 1.836e2 1.50 YES 0.67940 0.00000
210406D1_15
Duplicate B1C0237-DUP1 Duplicate 12.38
F3:Voltage SIR,EI+
389.816
4.682e+003
1,2,3,6,7,8-HxCDD;34.81;275.47;4581
210406D1_15
Duplicate B1C0237-DUP1 Duplicate 12.38
F3:Voltage SIR,EI+
391.813
3.119e+003
1,2,3,6,7,8-HxCDD;34.82;183.60;2968
210406D1_15
Duplicate B1C0237-DUP1 Duplicate 12.38
F3:Voltage SIR,EI+
401.856
1.017e+006
13C-1,2,3,4,7,8-HxCDD;34.66;57602.59;893188
210406D1_15
Duplicate B1C0237-DUP1 Duplicate 12.38
F3:Voltage SIR,EI+
403.853
8.088e+005
13C-1,2,3,4,7,8-HxCDD;34.65;45083.21;735447
210406D1_15
Duplicate B1C0237-DUP1 Duplicate 12.38
F3:Voltage SIR,EI+
401.856
1.017e+006
13C-1,2,3,6,7,8-HxCDD;34.78;63777.27;983982
Ready
210406D1_15

Dataset: Untitled

Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
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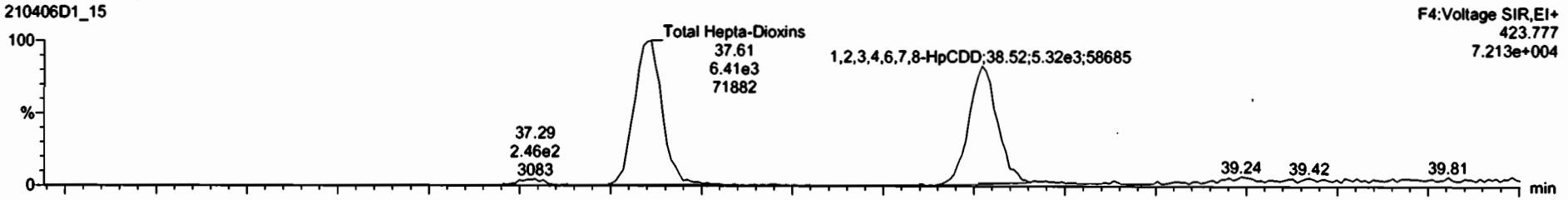
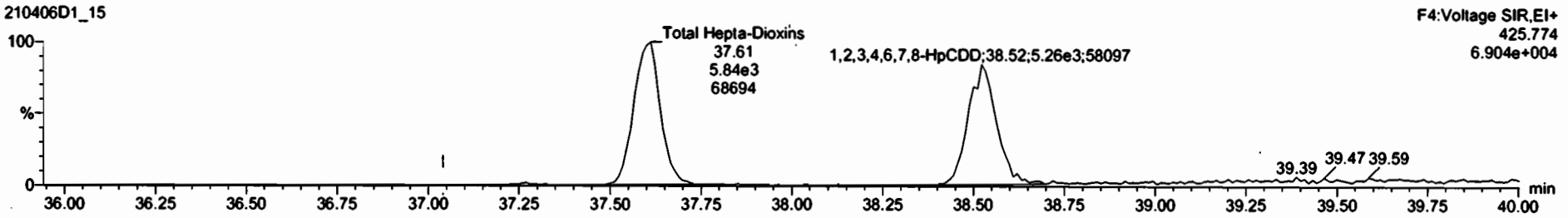
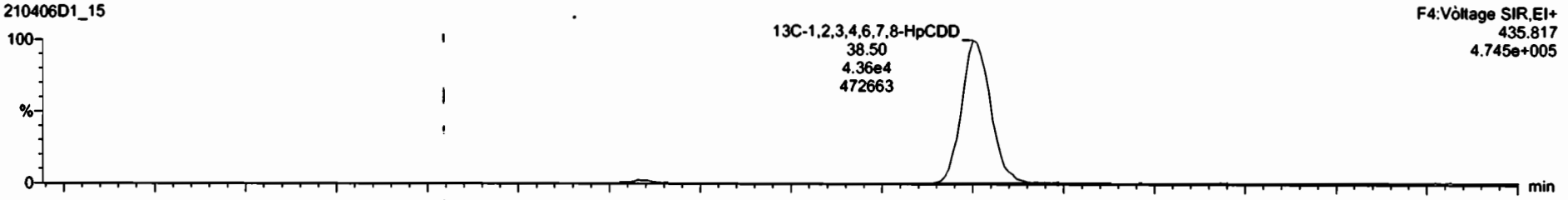
Name: 210406D1_15, Date: 06-Apr-2021, Time: 19:10:46, ID: B1C0237-DUP1 Duplicate 12.38, Description: Duplicate

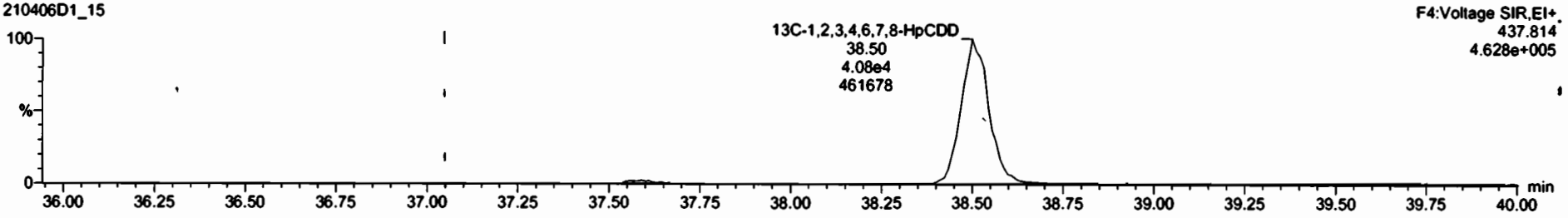
1,2,3,4,6,7,8-HpCDD





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





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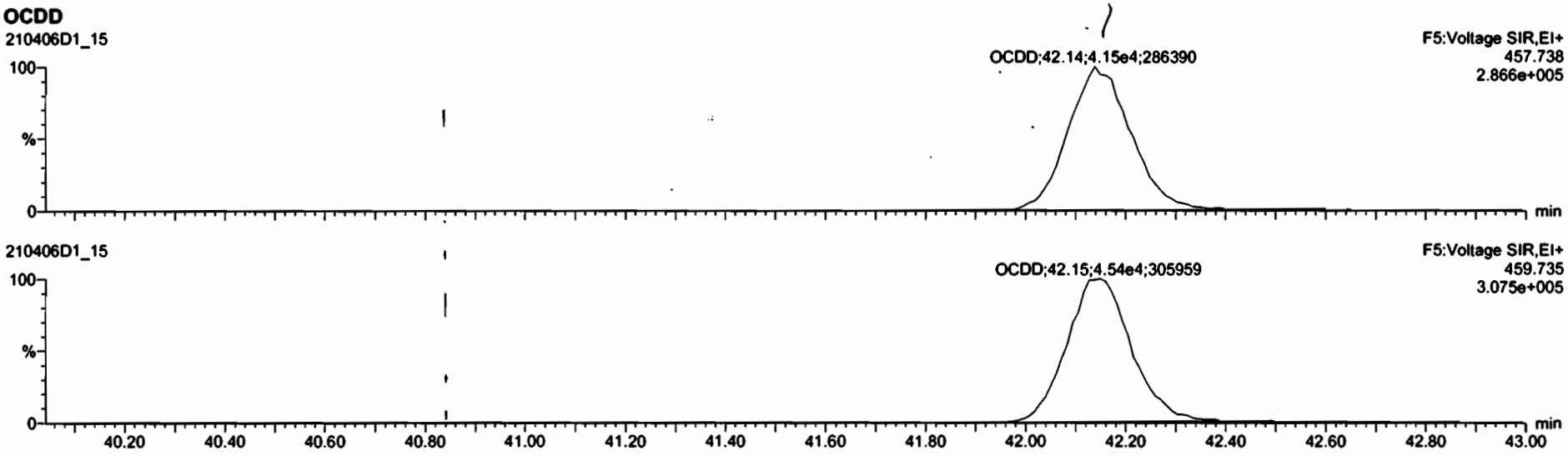
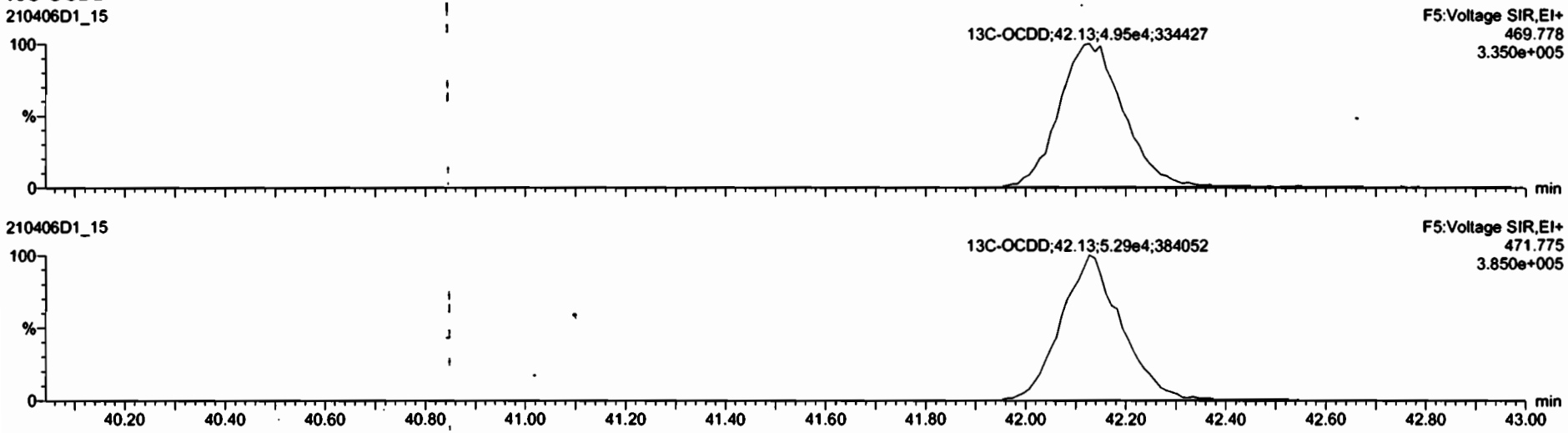
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_15, Date: 06-Apr-2021, Time: 19:10:46, ID: B1C0237-DUP1 Duplicate 12.38, Description: Duplicate

OCDD



13C-OCDD



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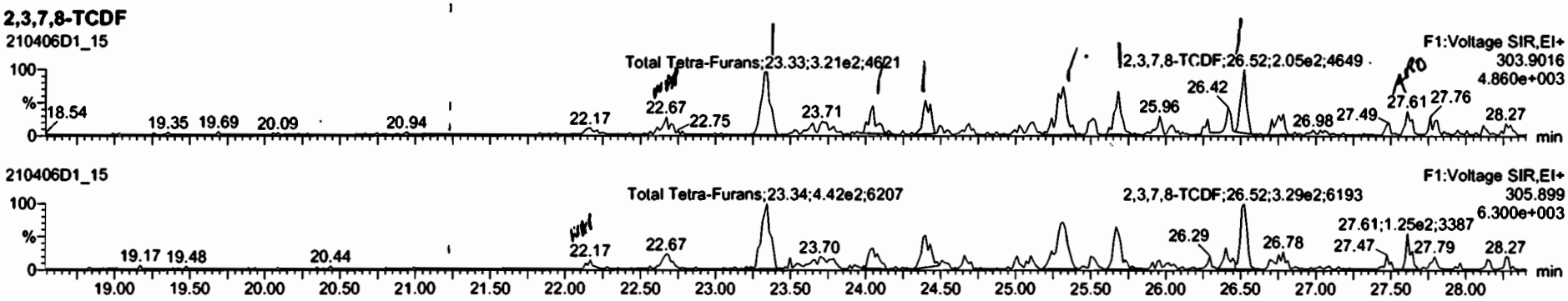
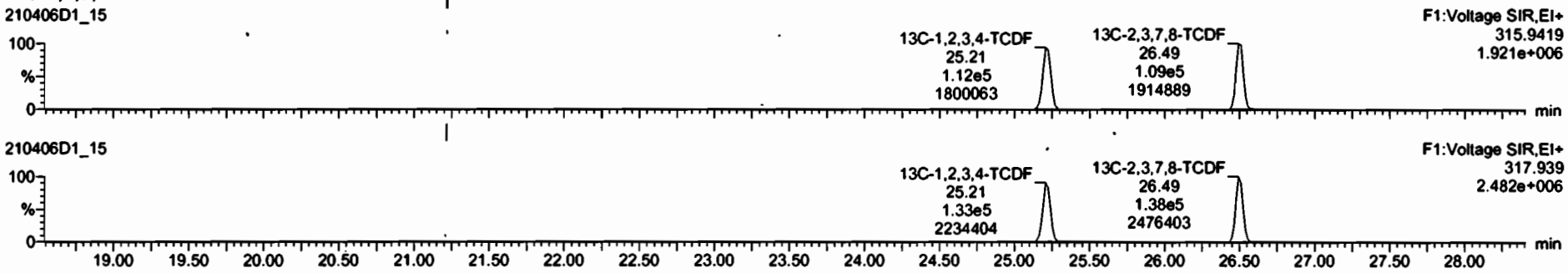
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_15, Date: 06-Apr-2021, Time: 19:10:46, ID: B1C0237-DUP1 Duplicate 12.38, Description: Duplicate

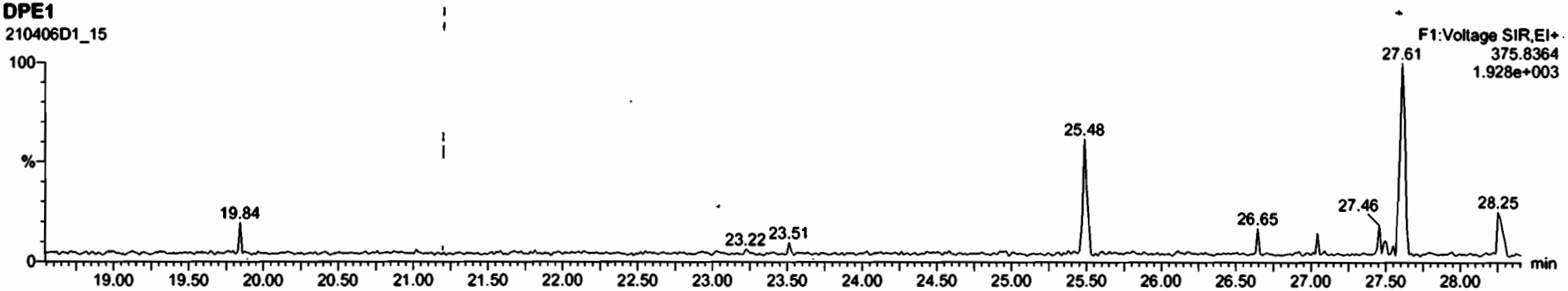
2,3,7,8-TCDF

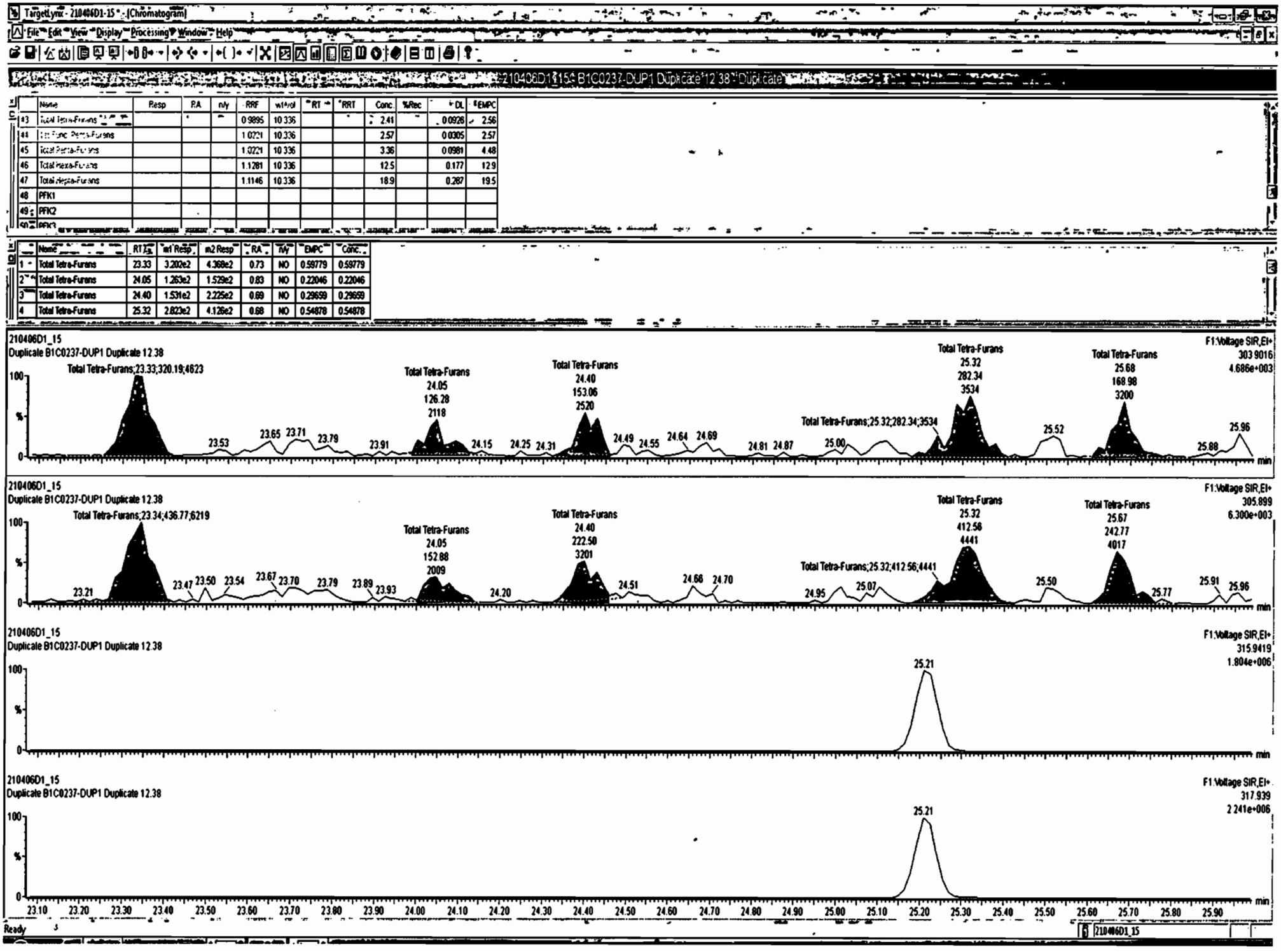


13C-2,3,7,8-TCDF



DPE1





	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
43	Total Tetra-Furans				0.9895	10.336			2.41		0.0926	2.56
44	Total Penta-Furans				1.0221	10.336			2.57		0.0305	2.57
45	Total Penta-Furans				1.0221	10.336			3.36		0.0981	4.48
46	Total Hexa-Furans				1.1281	10.336			12.5		0.177	12.9
47	Total Hepta-Furans				1.1146	10.336			18.9		0.267	19.5
48	PFK1											
49	PFK2											
50	PFK3											

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Tetra-Furans	23.33	3.202e2	4.368e2	0.73	NO	0.59779	0.59779
2	Total Tetra-Furans	24.05	1.263e2	1.529e2	0.83	NO	0.22046	0.22046
3	Total Tetra-Furans	24.40	1.531e2	2.225e2	0.69	NO	0.29659	0.29659
4	Total Tetra-Furans	25.32	2.823e2	4.126e2	0.68	NO	0.54878	0.54878

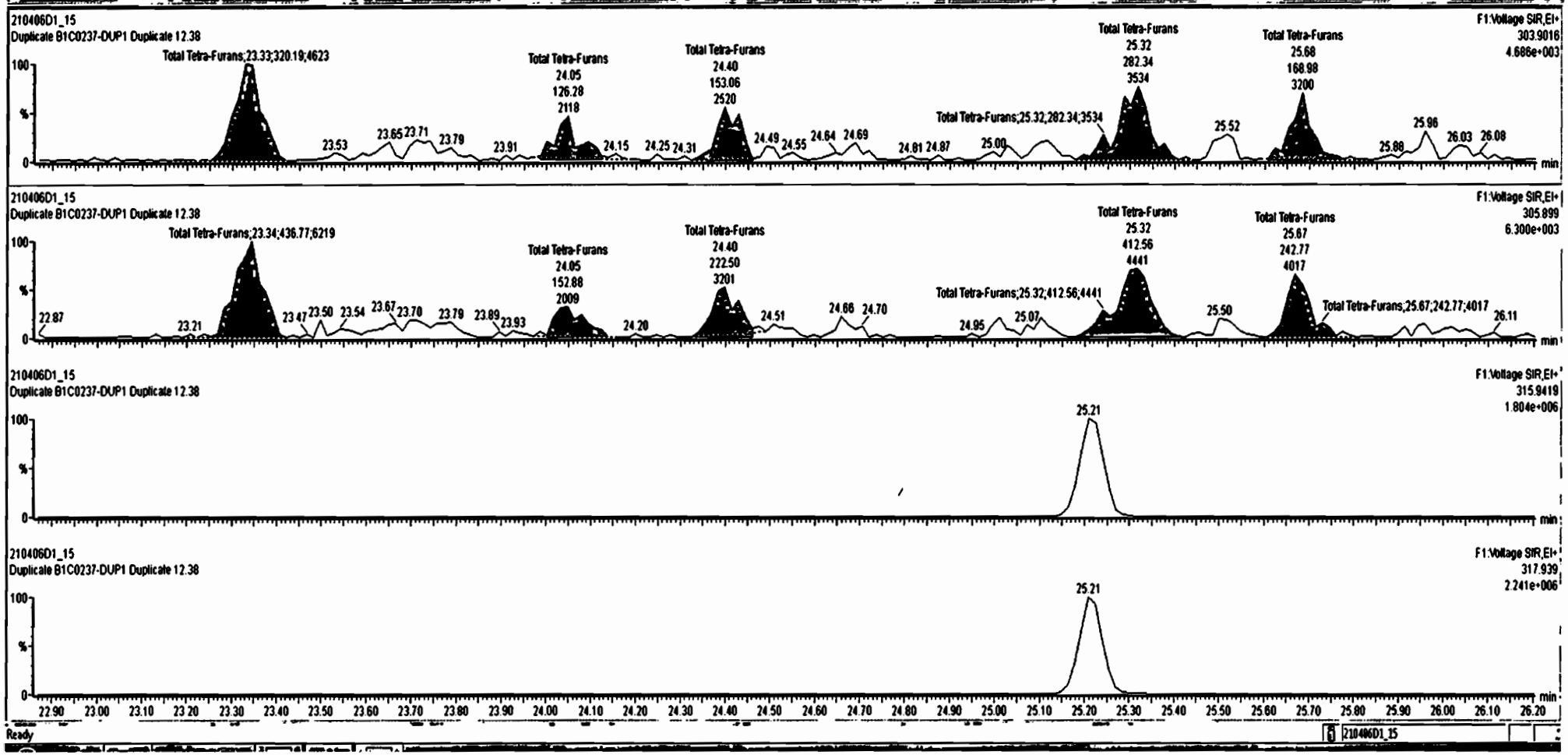
TargetLynx - 210406D1-15 - [Chromatogram]

File Edit View Display Processing Window Help

210406D1-15 - B1C0237-DUP1 Duplicate 12.38 - DupTest

		Resp					RT	RPT	Conc	%Rec	DL	EMPC
	ns					10.336			2.41		0.0925	2.56
	Total Tetra-Furans				1.0221	10.336			2.57		0.0306	2.57
45	Total Penta-Furans				1.0221	10.336			3.35		0.0581	4.49
46	Total Hexa-Furans				1.1281	10.336			12.5		0.177	12.9
47	Total Hepta-Furans				1.1146	10.336			18.9		0.287	19.5
48	PFK1											
49	PFK2											
50	PFK3											

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Tetra-Furans	23.33	3.202e2	4.368e2	0.73	NO	0.59779	0.59779
2	Total Tetra-Furans	24.05	1.263e2	1.529e2	0.83	NO	0.22046	0.22046
3	Total Tetra-Furans	24.40	1.531e2	2.225e2	0.69	NO	0.29659	0.29659
4	Total Tetra-Furans	25.32	2.823e2	4.126e2	0.68	NO	0.54878	0.54878

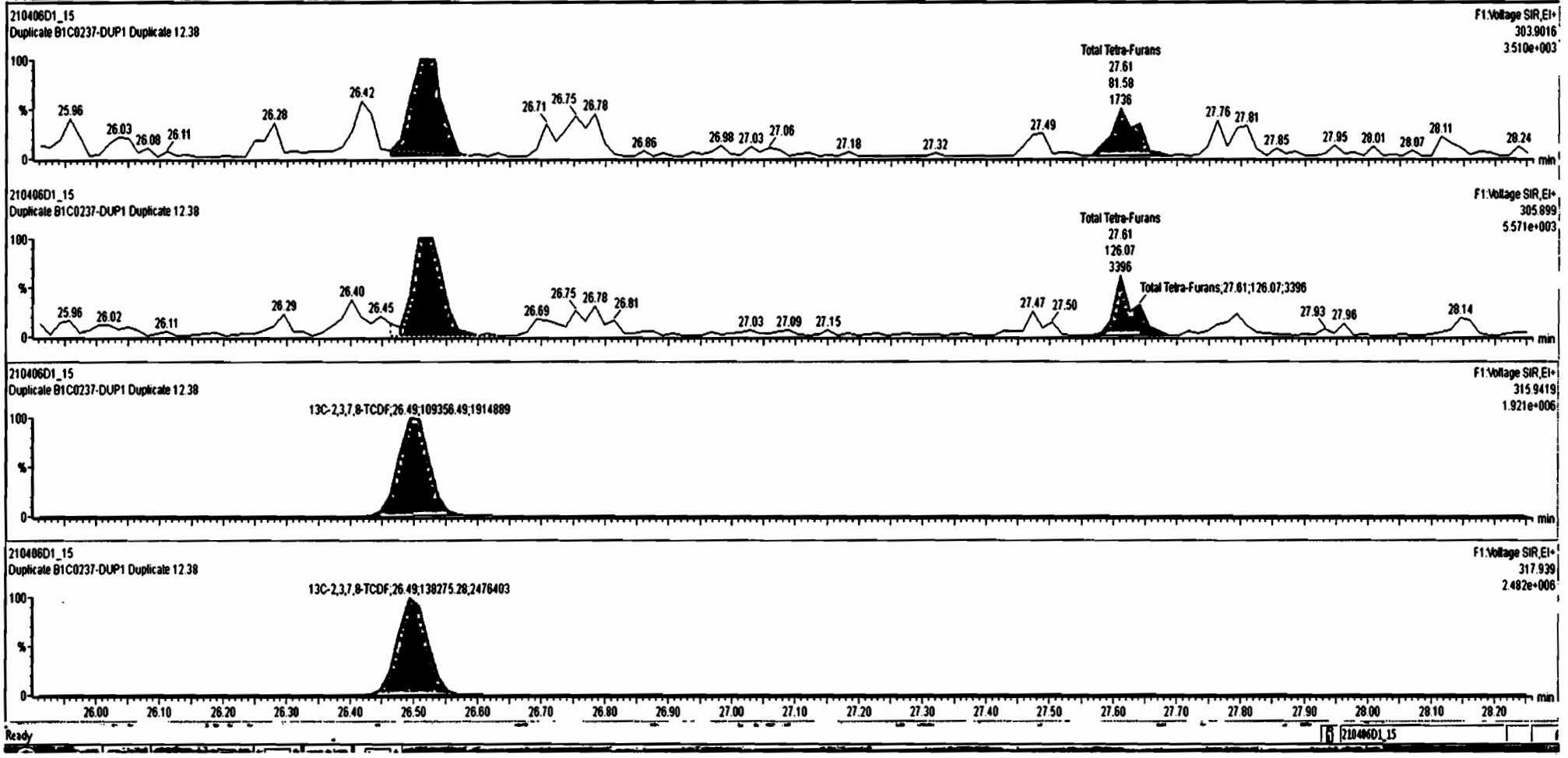


TargetLynx - 210406D1-15 * - [Chromatogram]

File Edit View Display Processing Window Help

						RT	RRT	Conc	%Rec	DL	EMPC
					10.336			2.41		0.0935	2.56
					10.335			2.57		0.0305	2.57
45					10.335			3.35		0.0581	4.48
46					10.335			12.5		0.177	12.9
47					10.336			18.9		0.287	19.5
48	PFK1										
49	PFK2										
50											

	Name	RT	m1 Resp	m2 Resp	RA	IM	EMPC	Conc.
1	Total Tetra-Furans	23.33	3.202e2	4.368e2	0.73	NO	0.59779	0.59779
2	Total Tetra-Furans	24.05	1.263e2	1.529e2	0.83	NO	0.22046	0.22046
3	Total Tetra-Furans	24.40	1.531e2	2.225e2	0.69	NO	0.29659	0.29659
4	Total Tetra-Furans	25.32	2.823e2	4.126e2	0.68	NO	0.54878	0.54878



Ready

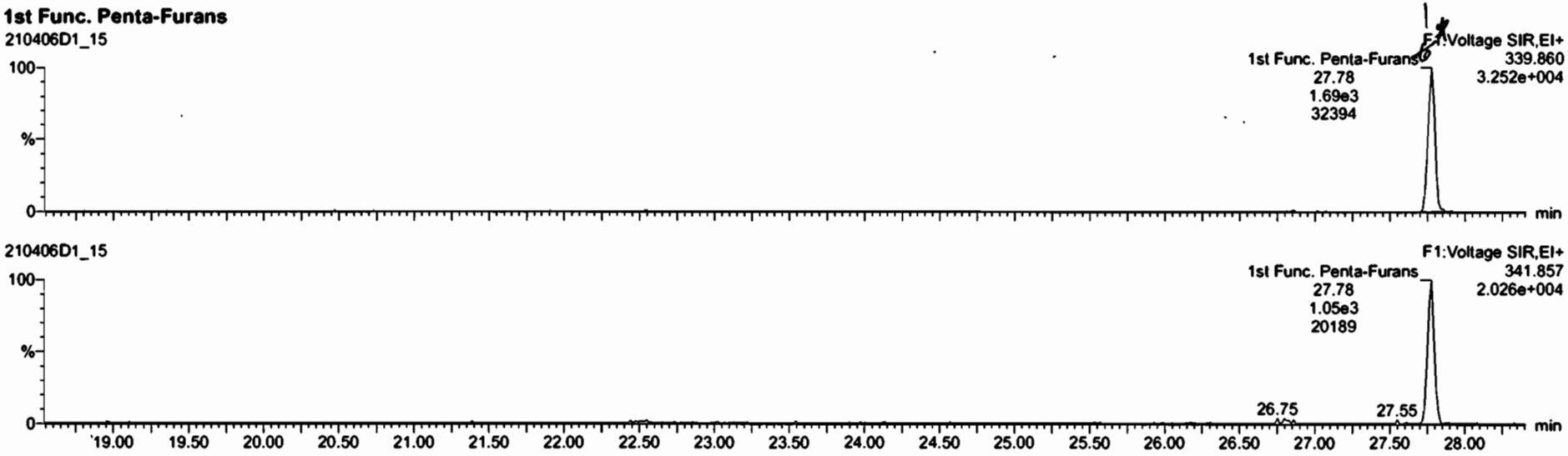
210406D1_15

Dataset: Untitled

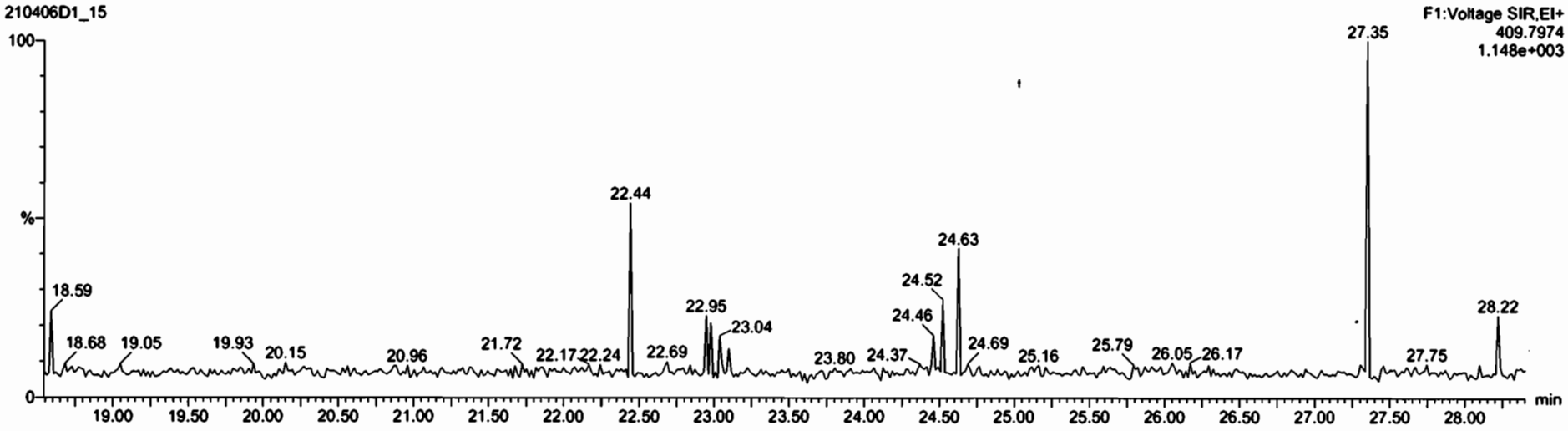
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

*dy 04-16-2021
Name: 210406D1_15, Date: 06-Apr-2021, Time: 19:10:46, ID: B1C0237-DUP1 Duplicate 12.38, Description: Duplicate

1st Func. Penta-Furans



DPE6



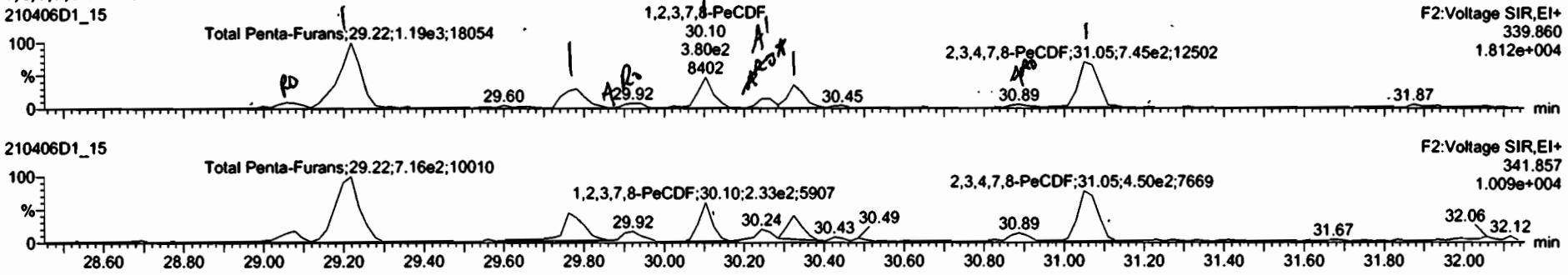
Dataset: Untitled

Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

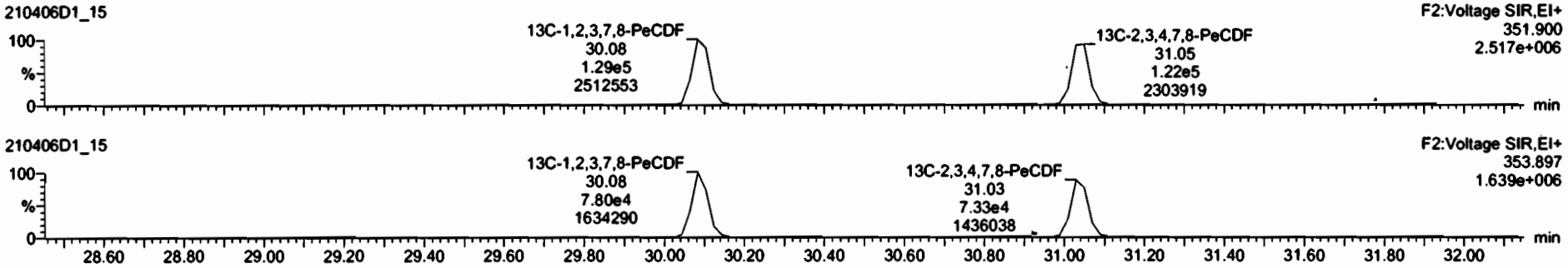
July 04, 16-2021

Name: 210406D1_15, Date: 06-Apr-2021, Time: 19:10:46, ID: B1C0237-DUP1 Duplicate 12.38, Description: Duplicate

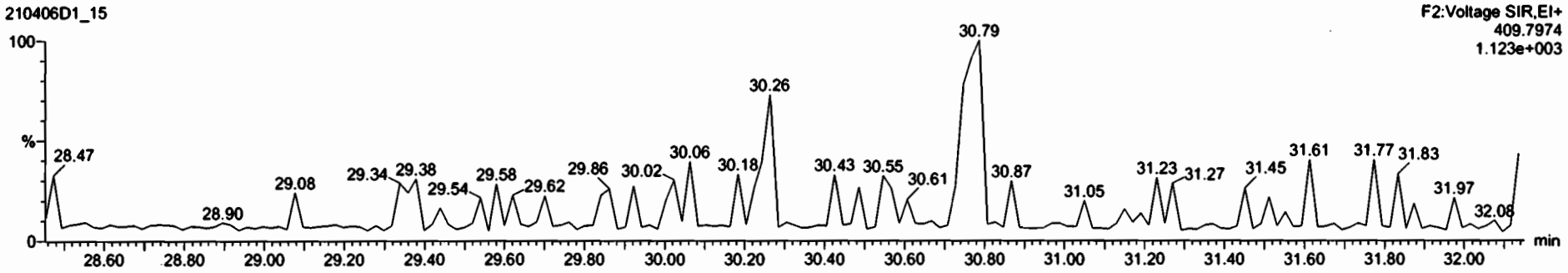
1,2,3,7,8-PeCDF



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



DPE2

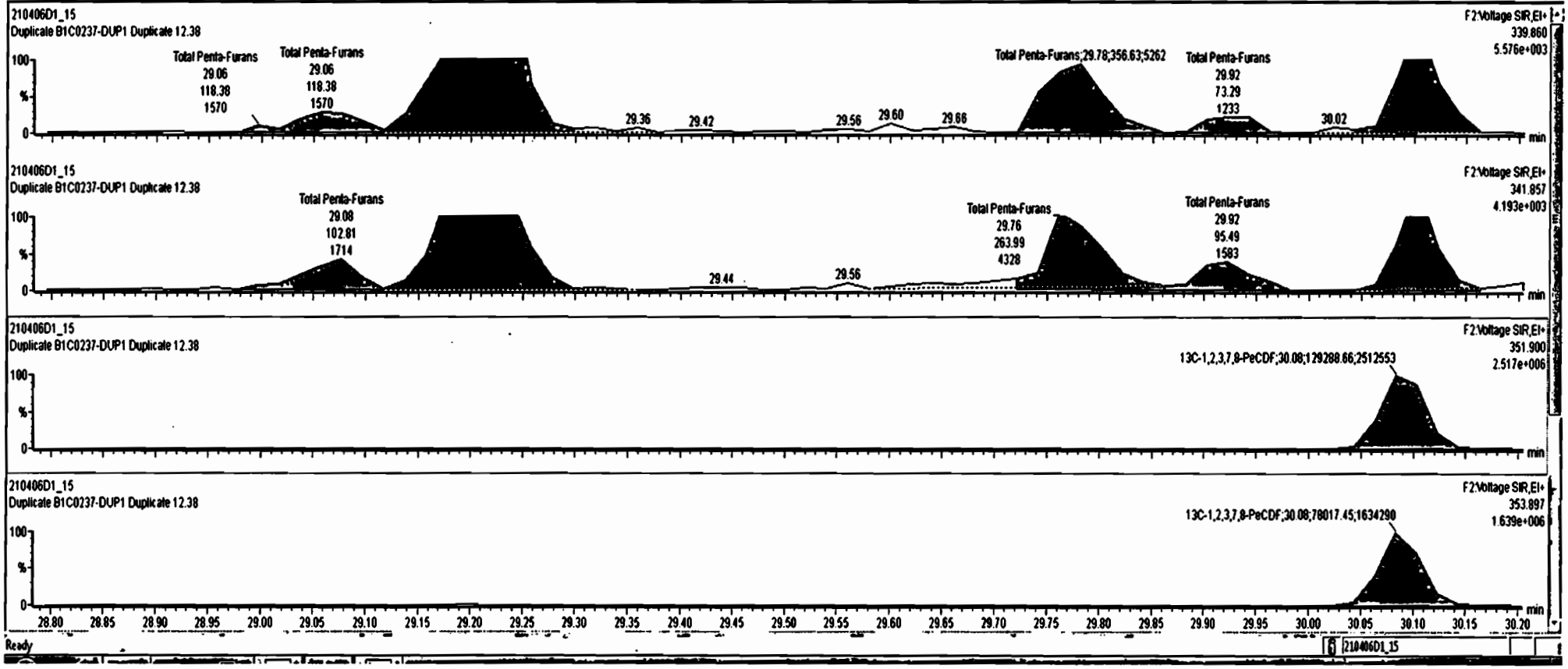


TargetLynx - 210406D1-15 * - [Chromatogram]

File Edit View Display Processing Window Help

									2.41		0.0026	2.56
44	[illegible]				1.0221	10.336			2.57		0.0305	2.57
45	[illegible]				1.0221	10.336			4.58		0.0981	4.96
46	[illegible]				1.1261	10.336			12.5		0.177	12.9
47	[illegible]				1.1146	10.336			18.3		0.287	19.5
48	PFK1											
49	PFK2											
50	PFK3											

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Penta-Furans	29.06	1.184e2	1.028e2	1.15	YES	0.18315	0.00000
2	Total Penta-Furans	29.22	1.170e3	7.110e2	1.65	NO	1.7689	1.7689
3	Total Penta-Furans	29.78	3.566e2	2.640e2	1.35	NO	0.58364	0.58364
4	Total Penta-Furans	29.92	7.329e1	9.549e1	0.77	YES	0.11339	0.00000
5	1,2,3,7,8-PeCDF	30.10	3.684e2	2.407e2	1.53	NO	0.55626	0.55626
6	Total Penta-Furans	30.26	1.230e2	8.757e1	1.40	NO	0.19798	0.19798
7	Total Penta-Furans	30.33	3.053e2	1.894e2	1.61	NO	0.46525	0.46525
8	Total Penta-Furans	30.89	4.829e1	7.004e1	0.69	YES	0.074709	0.00000
9	2,3,4,7,8-PeCDF	31.05	7.449e2	4.547e2	1.64	NO	1.0125	1.0125



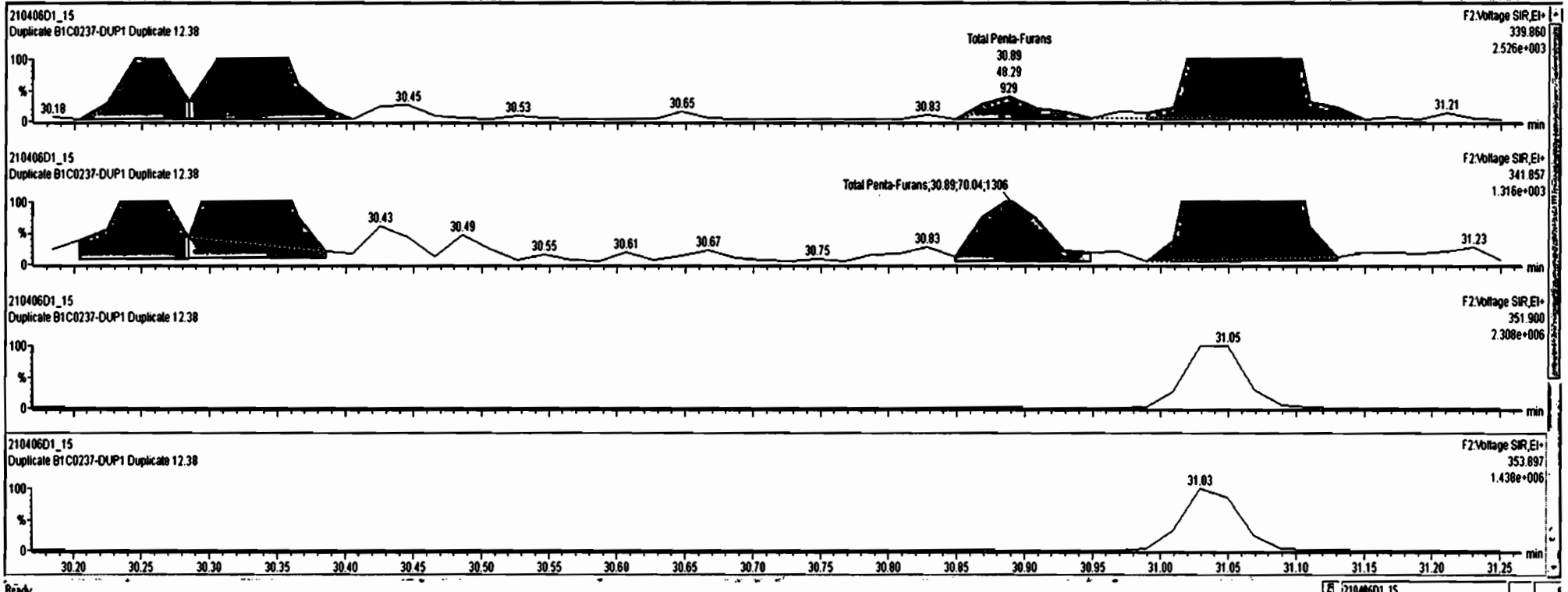
Ready 210406D1_15

TargetLynx - 210406D1-15 * - [Chromatogram]

File Edit View Display Processing Window Help

48	PFK1										
49	PFK2										

	Name	RT	m1 Resp	m2 Resp	RA	Inty	EMPC	Conc.
1	Total Penta-Furans	29.06	1.184e2	1.026e2	1.15	YES	0.18315	0.00000
2	Total Penta-Furans	29.22	1.170e3	7.110e2	1.65	NO	1.7689	1.7689
3	Total Penta-Furans	29.78	3.586e2	2.640e2	1.35	NO	0.58384	0.58384
4	Total Penta-Furans	29.92	7.329e1	9.549e1	0.77	YES	0.11339	0.00000
5	1,2,3,7,8-PeCDF	30.10	3.684e2	2.407e2	1.53	NO	0.55628	0.55628
6	Total Penta-Furans	30.26	1.230e2	8.757e1	1.40	NO	0.19798	0.19798
7	Total Penta-Furans	30.33	3.053e2	1.894e2	1.61	NO	0.46525	0.46525
8	Total Penta-Furans	30.89	4.829e1	7.004e1	0.69	YES	0.074709	0.00000
9	2,3,4,7,8-PeCDF	31.05	7.449e2	4.547e2	1.64	NO	1.0125	1.0125

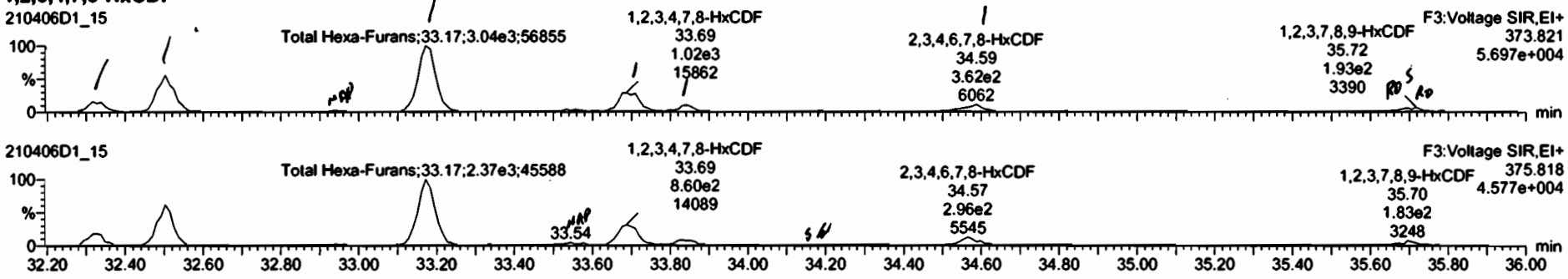


Dataset: Untitled

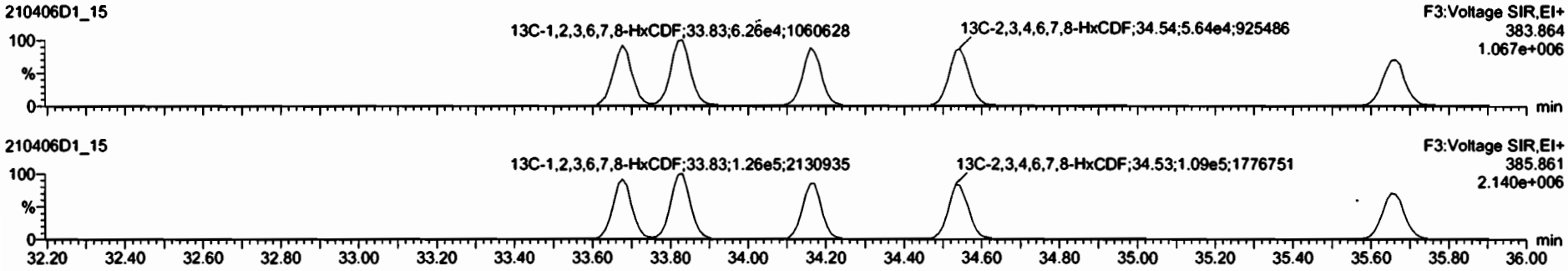
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_15, Date: 06-Apr-2021, Time: 19:10:46, ID: B1C0237-DUP1 Duplicate 12.38, Description: Duplicate

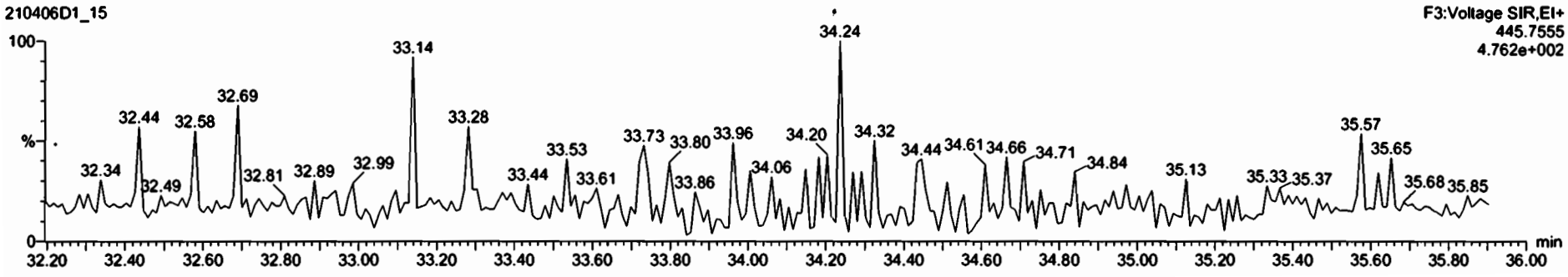
1,2,3,4,7,8-HxCDF



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



DPE3



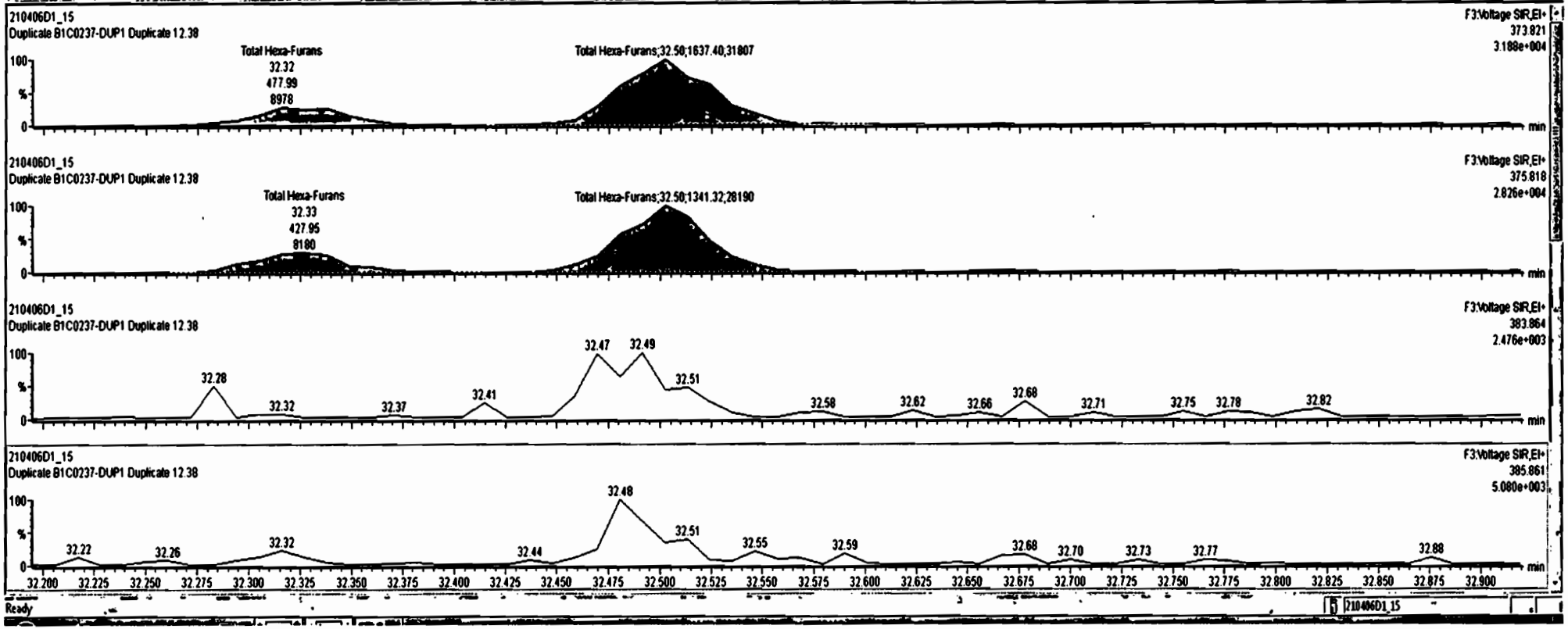
TargetLynx - 210406D1-15 * - [Chromatogram]

File Edit View Display Processing Window Help

210406D1_15 B1C0237-DUP1 Duplicate 12.38 - Duplicate

	Name	Resp	RA	nAy	RRF	wt/vol	RT	RR1	Conc.	%Rec	DL	EMPC
46	Total Hexa-Furans				1.1261	10.336			12.6		0.177	13.0
47	Total Hepta-Furans				1.1146	10.336			18.9		0.287	19.5
48	PFK1											
49	PFK2											

	Name	RT	m1 Resp	m2 Resp	RA	nAy	EMPC	Conc.
1	Total Hexa-Furans	32.32	4.780e2	4.280e2	1.12	NO	0.92007	0.92007
2	Total Hexa-Furans	32.50	1.637e3	1.341e3	1.22	NO	3.0252	3.0252
3	Total Hexa-Furans	33.17	3.039e3	2.387e3	1.27	NO	5.5111	5.5111
4	1,2,3,4,7,8-HxCDF	33.69	1.045e3	8.549e2	1.22	NO	1.9406	1.9406
5	1,2,3,6,7,8-HxCDF	33.84	2.669e2	2.200e2	1.21	NO	0.48019	0.48019
6	2,3,4,6,7,8-HxCDF	34.59	3.829e2	3.083e2	1.24	NO	0.71701	0.71701
7	1,2,3,7,8,9-HxCDF	35.70	1.209e2	1.155e2	1.05	YES	0.25311	0.00000
8	Total Hexa-Furans	35.72	9.758e1	6.027e1	1.62	YES	0.13710	0.00000



Ready

210406D1_15

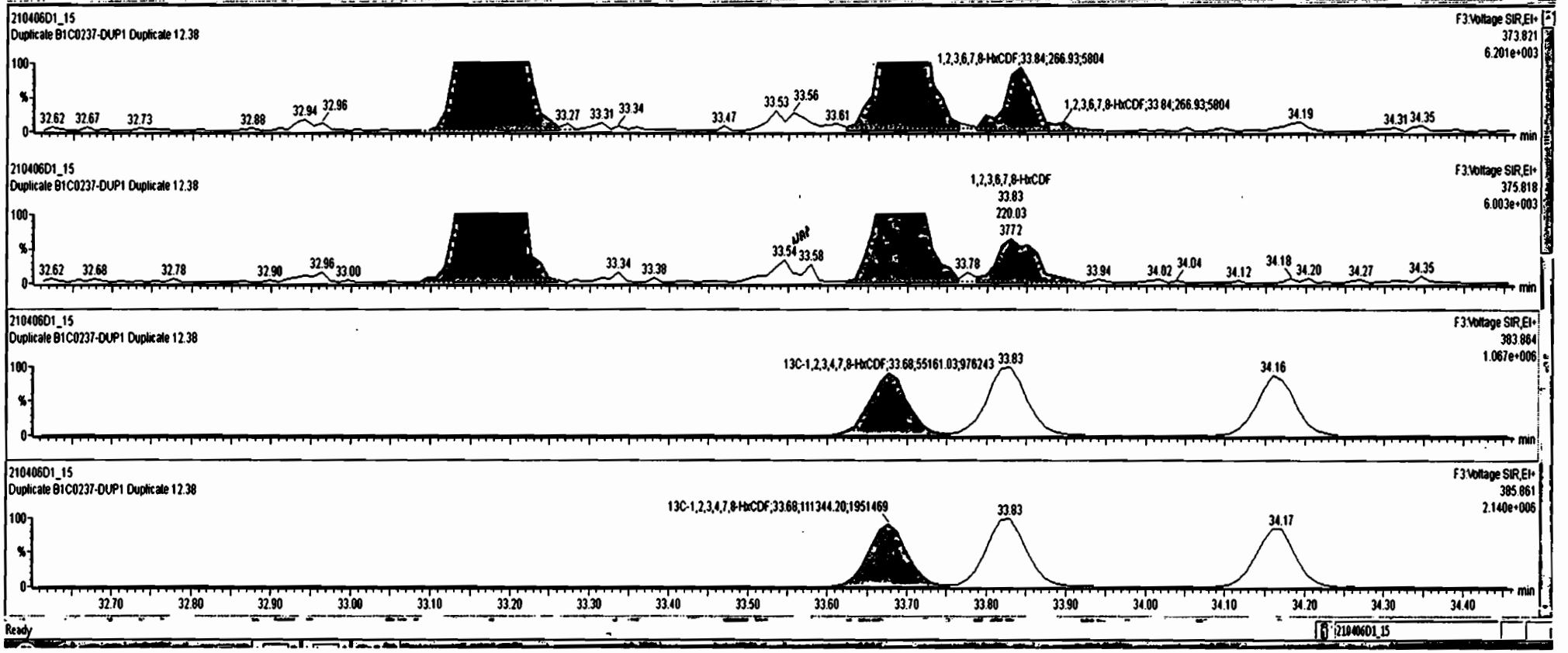
TargetLynx - 210406D1-15 - [Chromatogram]

File Edit View Display Processing Window Help

210406D1_15 B1C0237-DUP1 Duplicate 12.38

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
46	Total Hexa-Furans				1.1281	10.336			12.6		0.177	13.0
47	Total Hepta-Furans				1.1146	10.336			18.9		0.287	19.5
48	PFK1											
49	PFK2											

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Hexa-Furans	32.32	4.780e2	4.280e2	1.12	NO	0.92007	0.92007
2	Total Hexa-Furans	32.50	1.637e3	1.341e3	1.22	NO	3.0252	3.0252
3	Total Hexa-Furans	33.17	3.039e3	2.387e3	1.27	NO	5.5111	5.5111
4	1,2,3,4,7,8-HxCDF	33.69	1.045e3	8.549e2	1.22	NO	1.9406	1.9406
5	1,2,3,6,7,8-HxCDF	33.84	2.669e2	2.200e2	1.21	NO	0.48019	0.48019
6	2,3,4,6,7,8-HxCDF	34.59	3.829e2	3.063e2	1.24	NO	0.71701	0.71701
7	1,2,3,7,8,9-HxCDF	35.70	1.209e2	1.155e2	1.05	YES	0.25311	0.00000
8	Total Hexa-Furans	35.72	9.758e1	6.027e1	1.62	YES	0.13710	0.00000

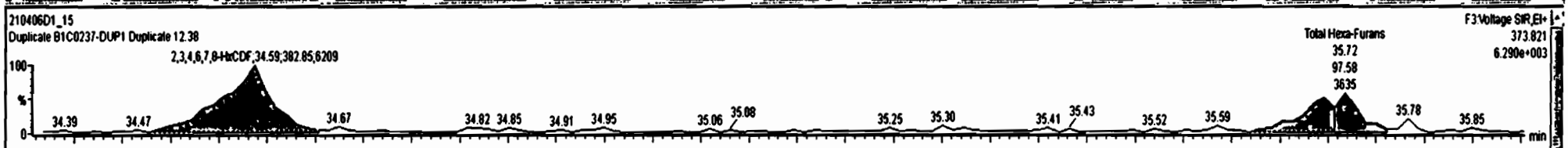


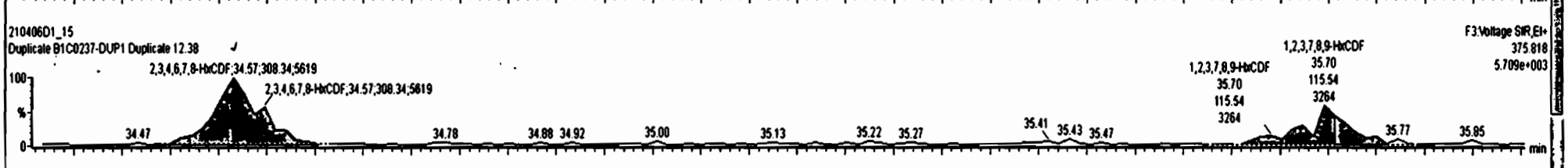
TargetLynx - 210406D1_15 - [Chromatogram]

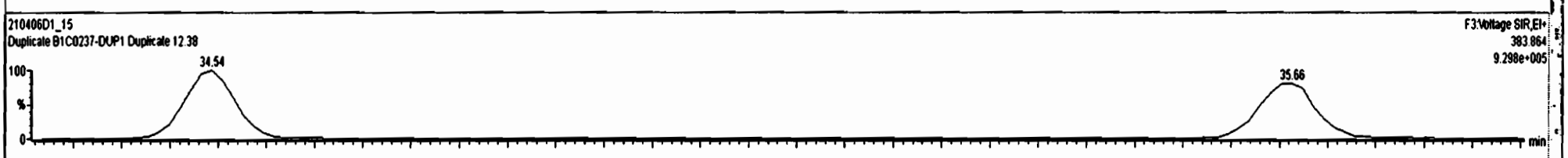
File Edit View Display Processing Window Help

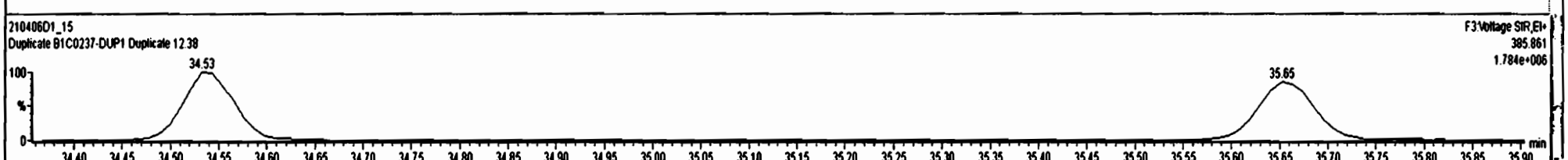
	Name			RA	n/y	RPF		RT	n/T	Conc	%Rec	DL	EMPC
45	[illegible]					1.1281	10.336			12.5		0.177	13.0
47	Total Hexa-Furans					1.1146	10.336			18.9		0.287	19.5
48	PFK1												
49	PFK2												

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Hexa-Furans	32.32	4.780e2	4.280e2	1.12	NO	0.92007	0.92007
2	Total Hexa-Furans	32.50	1.637e3	1.341e3	1.22	NO	3.0252	3.0252
3	Total Hexa-Furans	33.17	3.039e3	2.387e3	1.27	NO	5.5111	5.5111
4	1,2,3,4,7,8-HxCDF	33.69	1.045e3	8.549e2	1.22	NO	1.9406	1.9406
5	1,2,3,6,7,8-HxCDF	33.84	2.669e2	2.200e2	1.21	NO	0.48019	0.48019
6	2,3,4,6,7,8-HxCDF	34.59	3.829e2	3.083e2	1.24	NO	0.71701	0.71701
7	1,2,3,7,8,9-HxCDF	35.70	1.209e2	1.155e2	1.05	YES	0.25311	0.00000
8	Total Hexa-Furans	35.72	9.758e1	6.027e1	1.62	YES	0.13710	0.00000









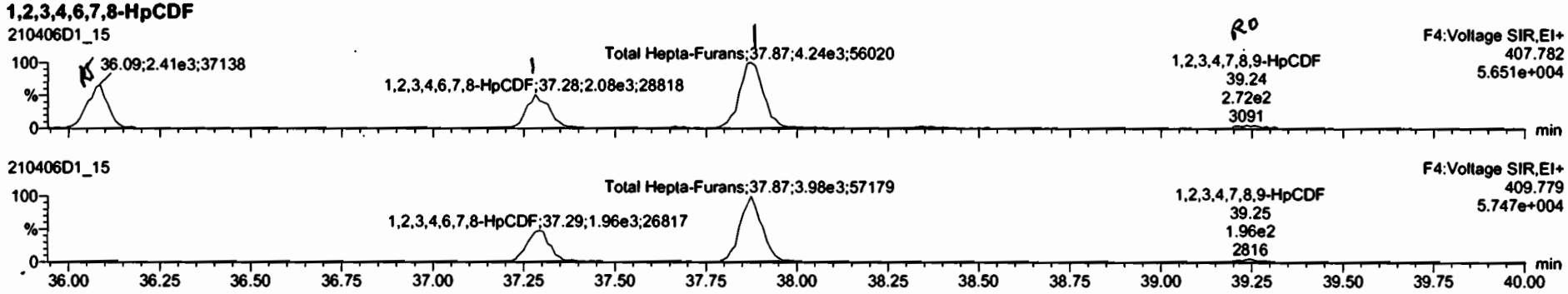
Ready 210406D1_15

Dataset: Untitled

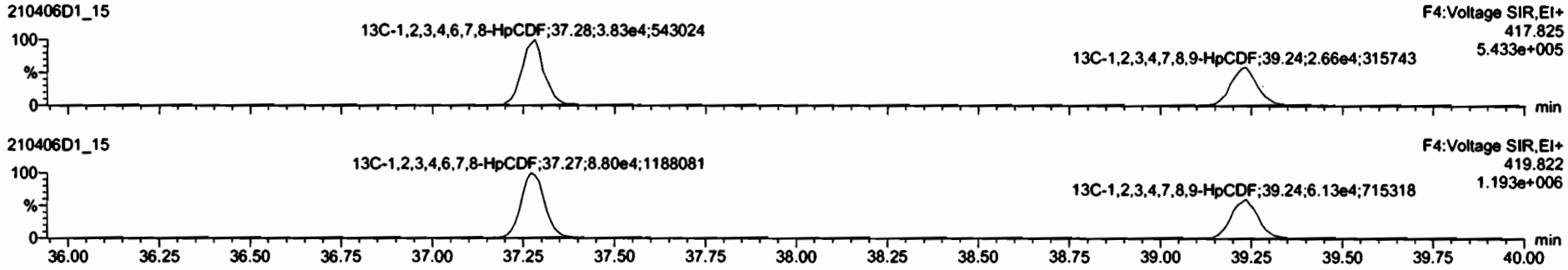
Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_15, Date: 06-Apr-2021, Time: 19:10:46, ID: B1C0237-DUP1 Duplicate 12.38, Description: Duplicate

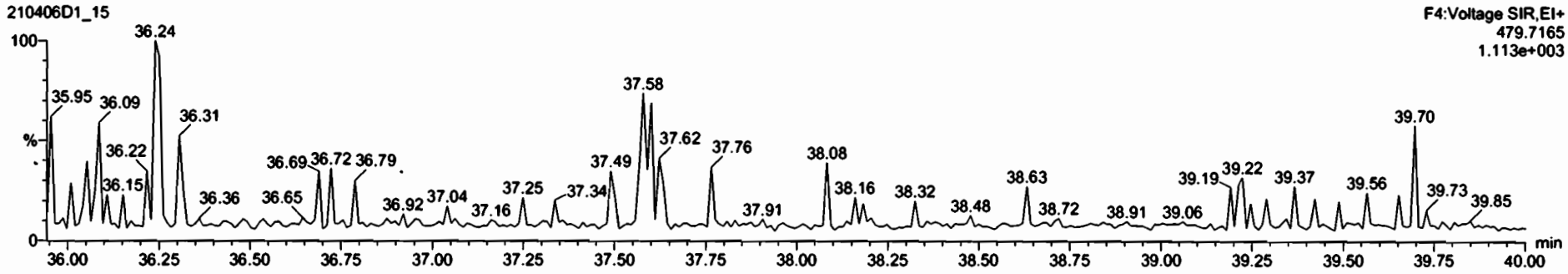
1,2,3,4,6,7,8-HpCDF



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



DPE4



TargetLynx - 210406D1-15 - [Chromatogram]

File Edit View Display Processing Window Help

Sample: 210406D1-15 - B1C0237-DUP1 Duplicate 12.38 - Duplicate

	Name	Resp	RA	rdy	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
46	Total Hepta-Furans				1.1281	10.336			12.6		0.177	13.0
47	Total Hepta-Furans				1.1156	10.335			18.9		0.286	19.6
48	PFK1											
49	PFK2											

	Name	RT	m1 Resp.	m2 Resp.	RA	rdy	EMPC	Conc.
1	1,2,3,4,6,7,8-HpCDF	37.28	2.024e3	1.955e3	1.04	NO	5.4716	5.4716
2	Total Hepta-Furans	37.67	4.294e3	3.998e3	1.07	NO	13.440	13.440
3	1,2,3,4,7,8,9-HpCDF	39.24	2.665e2	2.160e2	1.23	YES	0.73696	0.00000

210406D1_15
Duplicate B1C0237-DUP1 Duplicate 12.38
F4:Voltage SIR,EI+
407.782
2.872e+004
1,2,3,4,6,7,8-HpCDF;37.28;2024.30;28809
37.67
min

210406D1_15
Duplicate B1C0237-DUP1 Duplicate 12.38
F4:Voltage SIR,EI+
409.779
2.827e+004
1,2,3,4,6,7,8-HpCDF;37.28;1954.53;26960
min

210406D1_15
Duplicate B1C0237-DUP1 Duplicate 12.38
F4:Voltage SIR,EI+
417.825
5.433e+005
13C-1,2,3,4,6,7,8-HpCDF;37.28;37990.06;543105
min

210406D1_15
Duplicate B1C0237-DUP1 Duplicate 12.38
F4:Voltage SIR,EI+
419.822
1.193e+006
13C-1,2,3,4,6,7,8-HpCDF;37.27;88255.77;1192554
min

37.10 37.15 37.20 37.25 37.30 37.35 37.40 37.45 37.50 37.55 37.60 37.65 37.70 37.75 37.80 37.85 37.90 37.95 38.00 38.05 38.10 38.15

Ready

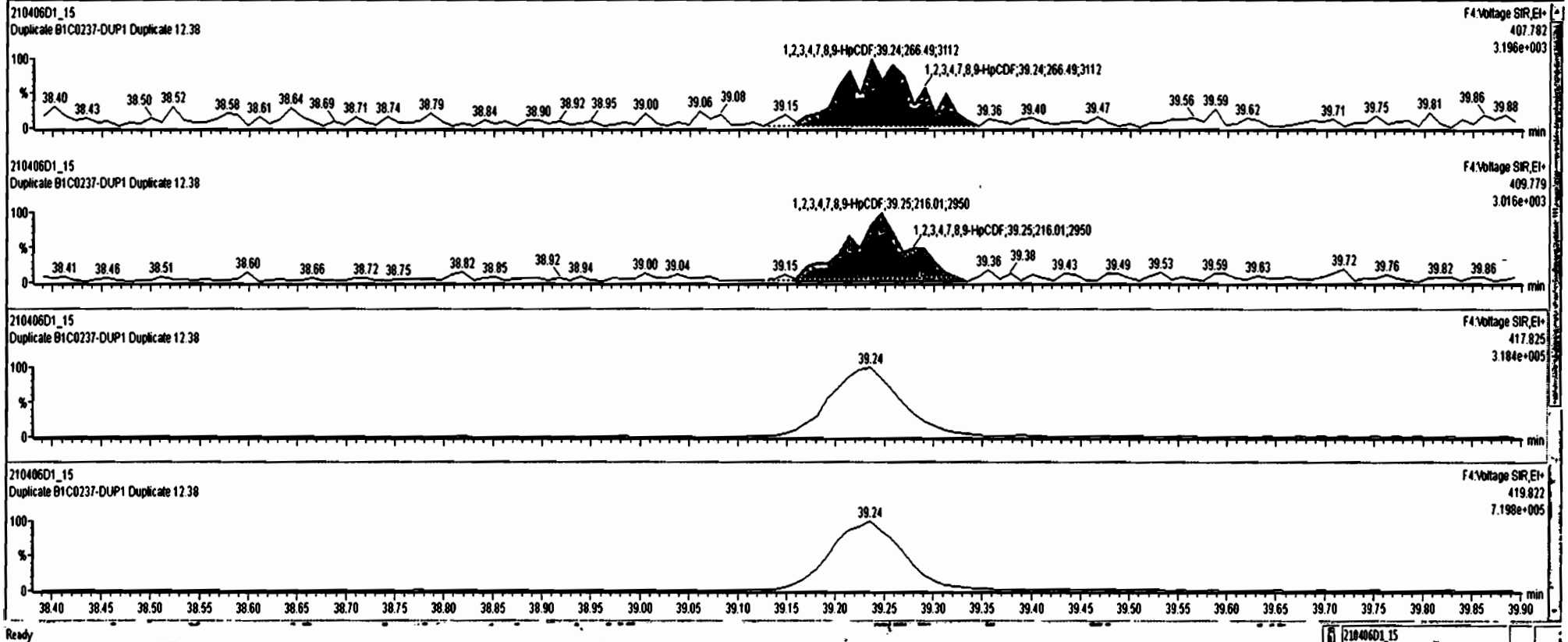
210406D1_15

TargetLynx - 210406D1-15 - [Chromatogram]

File Edit View Display Processing Window Help

	Name	Resp	RA	rdy	RRF	window	RT	RRT	Conc.	%Rec	DL	EMPC
46	[illegible]				1.1291	10.335			12.6		0.177	13.0
47	[illegible]				1.1145	10.336			16.9		0.286	19.6
48	PFK1											
49	PFK2											

	Name	RT	m1 Resp	m2 Resp	RA	rdy	EMPC	Conc.
1	1,2,3,4,6,7,8-HpCDF	37.26	2.024e3	1.955e3	1.04	NO	5.4716	5.4716
2	Total Hepta-Furans	37.87	4.294e3	3.998e3	1.07	NO	13.440	13.440
3	1,2,3,4,7,8,9-HpCDF	39.24	2.665e2	2.160e2	1.23	YES	0.73696	0.00000



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Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

Name: 210406D1_15, Date: 06-Apr-2021, Time: 19:10:46, ID: B1C0237-DUP1 Duplicate 12.38, Description: Duplicate

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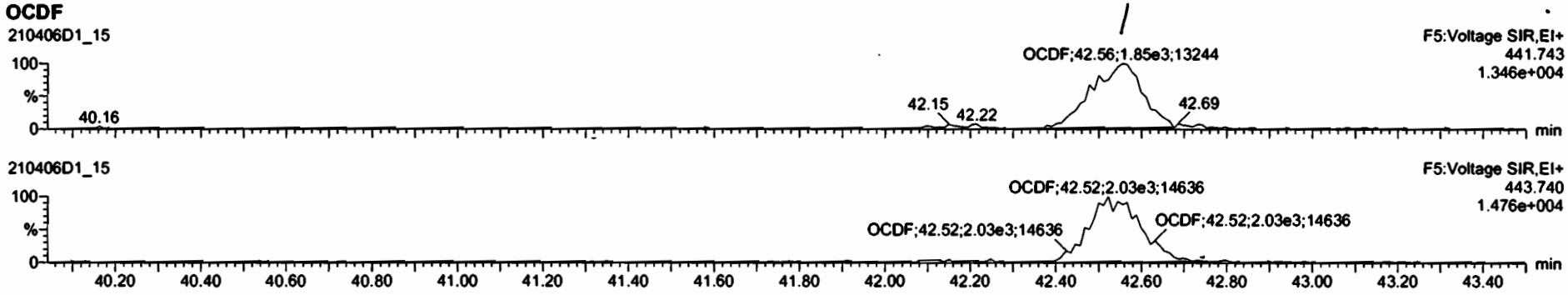
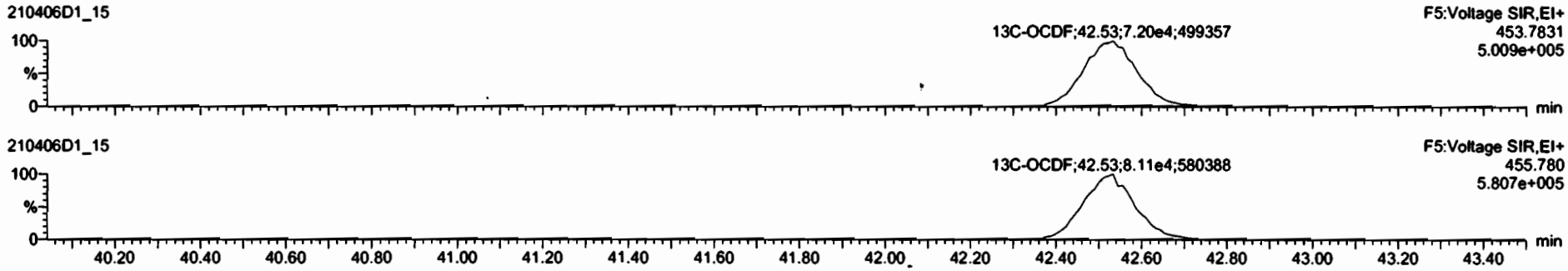


13C-OCDF



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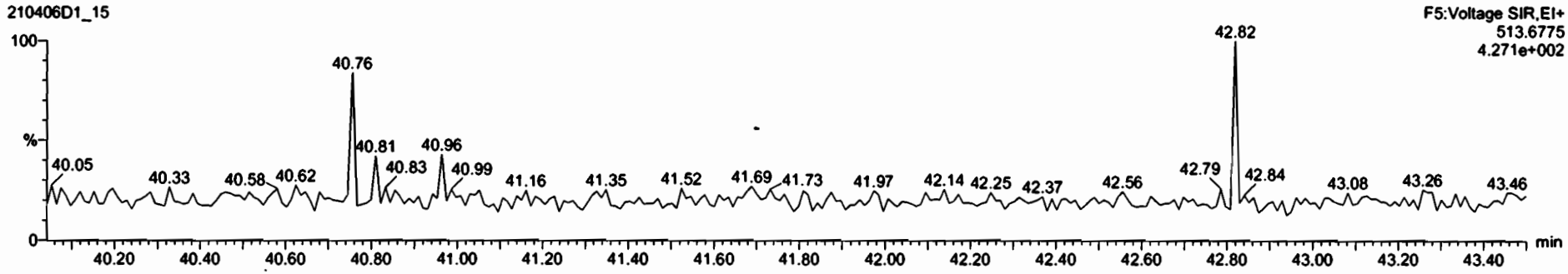

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Printed: Wednesday, April 07, 2021 08:35:47 Pacific Daylight Time

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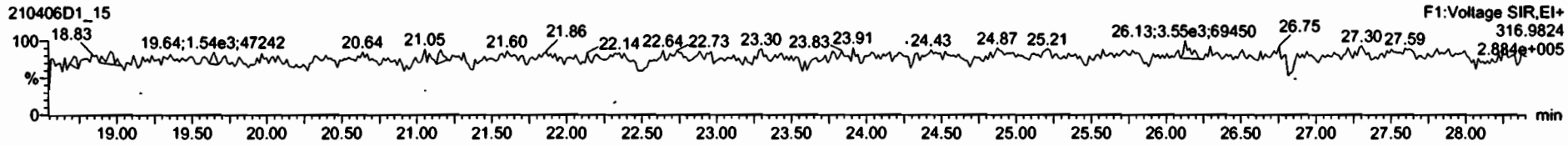
PFK1



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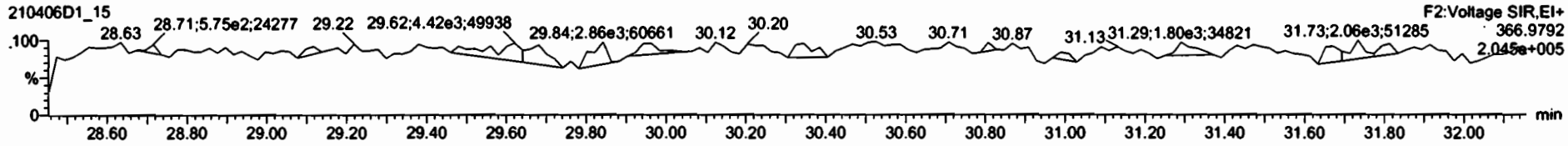

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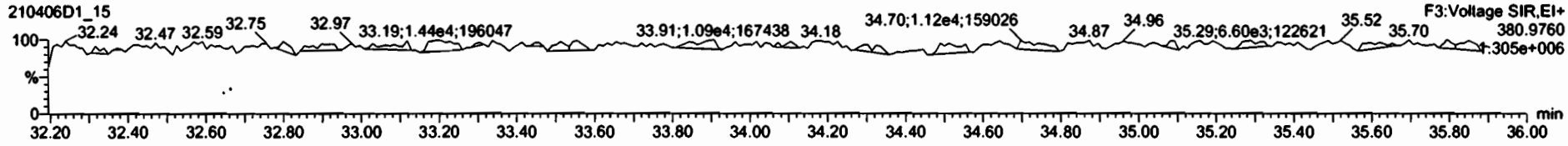

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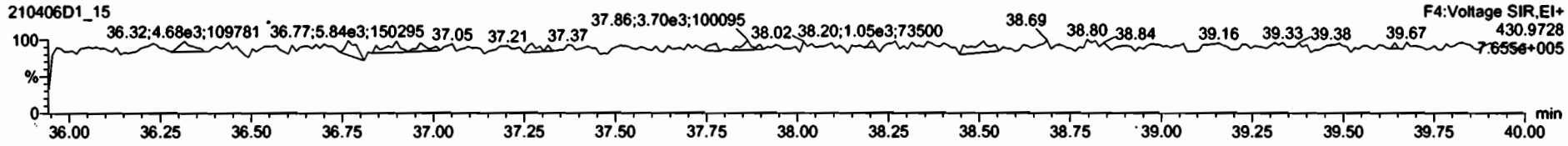

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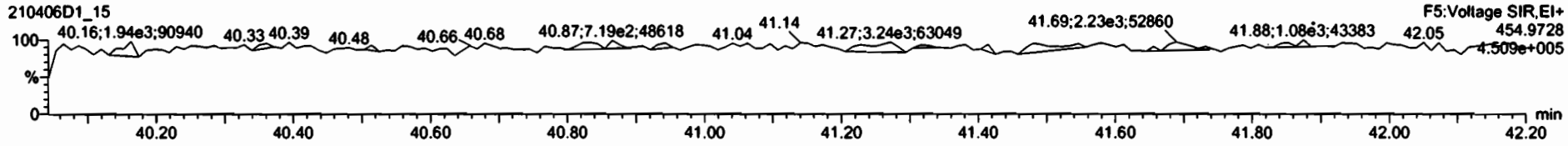

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-4.qld

Last Altered: Monday, April 19, 2021 11:52:14 Pacific Daylight Time
Printed: Monday, April 19, 2021 11:57:57 Pacific Daylight Time

dby 04.19.2021

C 04/21/2021

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_4-6-21.mdb 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210407D1_4, Date: 07-Apr-2021, Time: 11:05:32, ID: 2103216-09 USMPDI-060RAB-20-28.1-210317 12.72, Description: USMPDI-060RAB-20-28.1-210317

	#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1	2,3,7,8-TCDD			NO	0.998	10.220	27.081		1.001				0.108	
2	2	1,2,3,7,8-PeCDD	8.51e1	0.57	NO	0.961	10.220	31.232	31.21	1.001	1.000	0.17758		0.181	0.178
3	3	1,2,3,4,7,8-HxCDD			NO	1.18	10.220	34.696		1.000				0.466	
4	4	1,2,3,6,7,8-HxCDD	4.24e2	1.17	NO	1.04	10.220	34.821	34.84	1.000	1.001	0.76553		0.458	0.766
5	5	1,2,3,7,8,9-HxCDD			NO	1.06	10.220	35.153		1.001				0.417	
6	6	1,2,3,4,6,7,8-HpCDD	1.24e4	1.10	NO	1.06	10.220	38.490	38.51	1.000	1.001	24.230		0.797	24.2
7	7	OCDD	9.86e4	0.90	NO	0.977	10.220	42.171	42.17	1.000	1.000	291.55		1.56	292
8	8	2,3,7,8-TCDF	2.50e2	0.59	YES	0.989	10.220	26.504	26.49	1.001	1.001	0.30478		0.125	0.259
9	9	1,2,3,7,8-PeCDF	3.92e2	1.70	NO	1.02	10.220	30.084	30.08	1.001	1.001	0.50883		0.0981	0.509
10	10	2,3,4,7,8-PeCDF	7.37e2	1.37	NO	1.17	10.220	31.060	31.05	1.001	1.001	0.88818		0.0838	0.888
11	11	1,2,3,4,7,8-HxCDF	1.08e3	1.39	NO	1.14	10.220	33.714	33.71	1.001	1.001	1.3745		0.162	1.37
12	12	1,2,3,6,7,8-HxCDF	4.38e2	1.28	NO	1.04	10.220	33.840	33.84	1.000	1.000	0.52292		0.160	0.523
13	13	2,3,4,6,7,8-HxCDF	3.61e2	1.24	NO	1.13	10.220	34.561	34.59	1.000	1.001	0.43224		0.176	0.432
14	14	1,2,3,7,8,9-HxCDF			NO	1.07	10.220	35.674		1.000				0.211	
15	15	1,2,3,4,6,7,8-HpCDF	3.46e3	1.12	NO	1.11	10.220	37.286	37.25	1.001	1.000	4.7171		0.147	4.72
16	16	1,2,3,4,7,8,9-HpCDF			NO	1.32	10.220	39.213		1.000				0.226	
17	17	OCDF	3.73e3	0.89	NO	0.931	10.220	42.522	42.56	1.000	1.001	8.4748		0.890	8.47
18	18	13C-2,3,7,8-TCDD	1.18e5	0.80	NO	1.20	10.220	27.041	27.06	1.024	1.025	121.39	62.0	0.367	
19	19	13C-1,2,3,7,8-PeCDD	9.75e4	0.60	NO	0.864	10.220	31.189	31.21	1.181	1.182	139.76	71.4	0.337	
20	20	13C-1,2,3,4,7,8-HxCDD	8.67e4	1.28	NO	0.600	10.220	34.659	34.69	1.014	1.015	163.64	83.6	1.07	
21	21	13C-1,2,3,6,7,8-HxCDD	1.04e5	1.26	NO	0.674	10.220	34.778	34.81	1.018	1.019	174.94	89.4	0.956	
22	22	13C-1,2,3,7,8,9-HxCDD	1.15e5	1.25	NO	0.679	10.220	35.089	35.13	1.027	1.028	191.16	97.7	0.950	
23	23	13C-1,2,3,4,6,7,8-HpCDD	9.47e4	1.09	NO	0.558	10.220	38.438	38.48	1.125	1.126	192.11	98.2	1.36	
24	24	13C-OCDD	1.36e5	0.93	NO	0.496	10.220	42.046	42.17	1.230	1.234	309.38	79.0	0.773	
25	25	13C-2,3,7,8-TCDF	1.62e5	0.77	NO	1.03	10.220	26.463	26.48	1.002	1.003	116.02	59.3	0.368	
26	26	13C-1,2,3,7,8-PeCDF	1.48e5	1.66	NO	0.805	10.220	30.059	30.06	1.138	1.139	134.27	68.6	0.486	
27	27	13C-2,3,4,7,8-PeCDF	1.38e5	1.60	NO	0.748	10.220	31.009	31.03	1.174	1.175	135.56	69.3	0.523	
28	28	13C-1,2,3,4,7,8-HxCDF	1.35e5	0.49	NO	0.968	10.220	33.671	33.69	0.985	0.986	157.49	80.5	0.933	
29	29	13C-1,2,3,6,7,8-HxCDF	1.57e5	0.52	NO	1.08	10.220	33.839	33.83	0.990	0.990	164.22	83.9	0.833	
30	30	13C-2,3,4,6,7,8-HxCDF	1.45e5	0.51	NO	0.960	10.220	34.549	34.55	1.011	1.011	170.88	87.3	0.941	
31	31	13C-1,2,3,7,8,9-HxCDF	1.33e5	0.50	NO	0.869	10.220	35.660	35.67	1.044	1.044	172.92	88.4	1.04	

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-4.qld

Last Altered: Monday, April 19, 2021 11:52:14 Pacific Daylight Time
Printed: Monday, April 19, 2021 11:57:57 Pacific Daylight Time

Name: 210407D1_4, Date: 07-Apr-2021, Time: 11:05:32, ID: 2103216-09 USMPDI-060RAB-20-28.1-210317 12.72, Description: USMPDI-060RAB-20-28.1-210317

	#	Name	Resp	RA	n/y	RRF	wt/vol	Pred:RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32	13C-1,2,3,4,6,7,8-HpCDF	1.29e5	0.42	NO	0.794	10.220	37.218	37.25	1.089	1.090	183.79	93.9	1.13	
33	33	13C-1,2,3,4,7,8,9-HpCDF	8.91e4	0.41	NO	0.586	10.220	39.227	39.21	1.148	1.148	172.22	88.0	1.54	
34	34	13C-OCDF	1.85e5	0.89	NO	0.711	10.220	42.408	42.52	1.241	1.244	294.76	75.3	1.96	
35	35	37Cl-2,3,7,8-TCDD	4.45e4			1.11	10.220	27.051	27.07	1.025	1.025	49.781	63.6	0.0680	
36	36	13C-1,2,3,4-TCDD	1.58e5	0.87	NO	1.00	10.220	26.420	26.40	1.000	1.000	195.69	100	0.442	
37	37	13C-1,2,3,4-TCDF	2.67e5	0.81	NO	1.00	10.220	25.210	25.19	1.000	1.000	195.69	100	0.378	
38	38	13C-1,2,3,4,6,9-HxCDF	1.73e5	0.49	NO	1.00	10.220	34.180	34.17	1.000	1.000	195.69	100	0.904	
39	39	Total Tetra-Dioxins				0.998	10.220	24.620		0.000		0.00000		0.0607	0.254
40	40	Total Penta-Dioxins				0.961	10.220	29.960		0.000		0.38756		0.181	0.751
41	41	Total Hexa-Dioxins				1.04	10.220	33.635		0.000		6.1422		0.466	6.80
42	42	Total Hepta-Dioxins				1.06	10.220	37.640		0.000		54.717		0.797	54.7
43	43	Total Tetra-Furans				0.989	10.220	23.610		0.000		1.7829		0.125	2.54
44	44	1st Func. Penta-Furans				1.02	10.220	27.730		0.000		3.2123		0.0496	3.21
45	45	Total Penta-Furans				1.02	10.220	29.275		0.000		2.6590		0.0972	4.32
46	46	Total Hexa-Furans				1.13	10.220	33.555		0.000		10.064		0.171	10.1
47	47	Total Hepta-Furans				1.11	10.220	37.835		0.000		14.991		0.196	15.0

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-4.qld

Last Altered: Monday, April 19, 2021 11:52:14 Pacific Daylight Time
Printed: Monday, April 19, 2021 11:57:57 Pacific Daylight Time

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Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210407D1_4, Date: 07-Apr-2021, Time: 11:05:32, ID: 2103216-09 USMPDI-060RAB-20-28.1-210317 12.72, Description: USMPDI-060RAB-20-28.1-210317

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	24.00	1.108e3	1.671e3	6.654e1	1.025e2	0.65	YES	0.000e0	0.00000	0.25436	0.0607

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	29.16	1.856e3	1.436e3	1.118e2	1.068e2	1.05	YES	0.000e0	0.00000	0.36330	0.181
2	Total Penta-Dioxins	29.60	1.036e3	1.584e3	4.075e1	5.985e1	0.68	NO	1.006e2	0.20998	0.20998	0.181
3	1,2,3,7,8-PeCDD	31.21	4.250e2	6.630e2	3.104e1	5.404e1	0.57	NO	8.508e1	0.17758	0.17758	0.181

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	32.91	2.047e4	1.933e4	1.231e3	1.015e3	1.21	NO	2.246e3	4.1494	4.1494	0.466
2	Total Hexa-Dioxins	33.54	3.995e3	3.137e3	2.272e2	1.577e2	1.44	YES	0.000e0	0.00000	0.65288	0.466
3	Total Hexa-Dioxins	33.87	1.135e4	8.360e3	3.717e2	2.925e2	1.27	NO	6.642e2	1.2273	1.2273	0.466
4	1,2,3,6,7,8-HxCDD	34.84	3.306e3	2.904e3	2.289e2	1.949e2	1.17	NO	4.238e2	0.76553	0.76553	0.458

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.54	1.046e5	1.060e5	8.166e3	7.472e3	1.09	NO	1.564e4	30.487	30.487	0.797
2	1,2,3,4,6,7,8-HpCDD	38.51	6.865e4	6.161e4	6.500e3	5.928e3	1.10	NO	1.243e4	24.230	24.230	0.797

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-4.qld

Last Altered: Monday, April 19, 2021 11:52:14 Pacific Daylight Time
Printed: Monday, April 19, 2021 11:57:57 Pacific Daylight Time

Name: 210407D1_4, Date: 07-Apr-2021, Time: 11:05:32, ID: 2103216-09 USMPDI-060RAB-20-28.1-210317 12.72, Description: USMPDI-060RAB-20-28.1-210317

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	22.67	7.320e2	1.584e3	6.638e1	8.512e1	0.78	NO	1.515e2	0.18452	0.18452	0.125
2	Total Tetra-Furans	23.31	3.888e3	4.360e3	2.438e2	2.939e2	0.83	NO	5.377e2	0.65493	0.65493	0.125
3	Total Tetra-Furans	24.38	2.433e3	4.114e3	1.507e2	1.803e2	0.84	NO	3.310e2	0.40310	0.40310	0.125
4	Total Tetra-Furans	25.29	2.883e3	2.868e3	2.016e2	2.421e2	0.83	NO	4.436e2	0.54032	0.54032	0.125
5	Total Tetra-Furans	25.65	1.981e3	1.399e3	1.028e2	8.271e1	1.24	YES	0.000e0	0.00000	0.17830	0.125
6	2,3,7,8-TCDF	26.49	2.310e3	2.921e3	9.264e1	1.576e2	0.59	YES	2.502e2	0.00000	0.25937	0.125
7	Total Tetra-Furans	26.74	2.237e3	1.578e3	1.408e2	1.461e2	0.96	YES	0.000e0	0.00000	0.31506	0.125

Penta-Furans function 1

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1st Func. Penta-Furans	27.75	2.598e4	1.668e4	1.468e3	9.308e2	1.58	NO	2.399e3	3.2123	3.2123	0.0496

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	29.04	2.369e3	1.235e3	1.394e2	1.017e2	1.37	NO	2.411e2	0.32284	0.32284	0.0972
2	Total Penta-Furans	29.20	1.069e4	7.617e3	6.232e2	5.318e2	1.17	YES	0.000e0	0.00000	1.3728	0.0972
3	Total Penta-Furans	29.74	4.425e3	2.203e3	2.589e2	1.529e2	1.69	NO	4.118e2	0.55140	0.55140	0.0972
4	1,2,3,7,8-PeCDF	30.08	4.419e3	3.213e3	2.467e2	1.455e2	1.70	NO	3.921e2	0.50883	0.50883	0.0981
5	Total Penta-Furans	30.24	1.355e3	1.768e3	4.694e1	5.236e1	0.90	YES	0.000e0	0.00000	0.10340	0.0972
6	Total Penta-Furans	30.30	3.601e3	2.388e3	1.722e2	1.174e2	1.47	NO	2.895e2	0.38774	0.38774	0.0972
7	Total Penta-Furans	30.87	1.790e3	1.287e3	8.351e1	6.605e1	1.26	YES	0.000e0	0.00000	0.18398	0.0972
8	2,3,4,7,8-PeCDF	31.05	7.408e3	4.816e3	4.266e2	3.107e2	1.37	NO	7.373e2	0.88818	0.88818	0.0838

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-4.qld

Last Altered: Monday, April 19, 2021 11:52:14 Pacific Daylight Time
Printed: Monday, April 19, 2021 11:57:57 Pacific Daylight Time

Name: 210407D1_4, Date: 07-Apr-2021, Time: 11:05:32, ID: 2103216-09 USMPDI-060RAB-20-28.1-210317 12.72, Description: USMPDI-060RAB-20-28.1-210317

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.34	6.173e3	5.576e3	3.481e2	2.963e2	1.17	NO	6.444e2	0.78498	0.78498	0.171
2	Total Hexa-Furans	32.52	2.424e4	1.800e4	1.322e3	9.745e2	1.36	NO	2.297e3	2.7974	2.7974	0.171
3	Total Hexa-Furans	33.20	3.210e4	2.583e4	1.852e3	1.400e3	1.32	NO	3.251e3	3.9605	3.9605	0.171
4	Total Hexa-Furans	33.59	2.258e3	1.324e3	9.059e1	6.629e1	1.37	NO	1.569e2	0.19108	0.19108	0.171
5	1,2,3,4,7,8-HxCDF	33.71	1.145e4	7.735e3	6.269e2	4.496e2	1.39	NO	1.077e3	1.3745	1.3745	0.162
6	1,2,3,6,7,8-HxCDF	33.84	4.204e3	3.879e3	2.461e2	1.919e2	1.28	NO	4.380e2	0.52292	0.52292	0.160
7	2,3,4,6,7,8-HxCDF	34.59	2.489e3	2.463e3	2.001e2	1.610e2	1.24	NO	3.611e2	0.43224	0.43224	0.176

Hepta-Furans

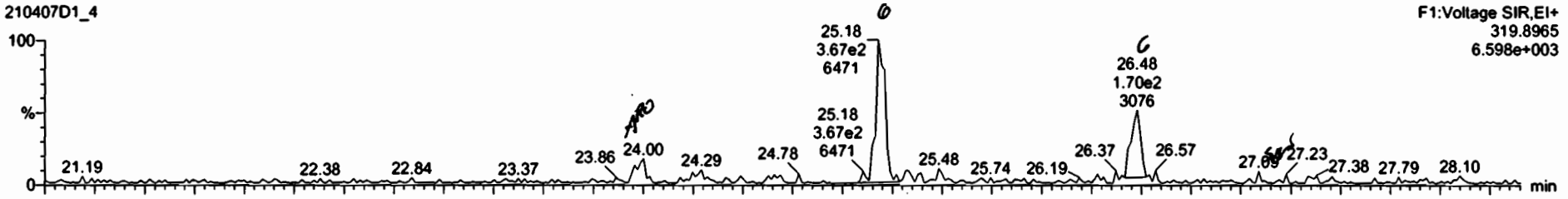
	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	37.25	2.638e4	2.060e4	1.827e3	1.635e3	1.12	NO	3.462e3	4.7171	4.7171	0.147
2	Total Hepta-Furans	37.83	4.335e4	4.370e4	3.181e3	3.197e3	1.00	NO	6.378e3	10.274	10.274	0.196

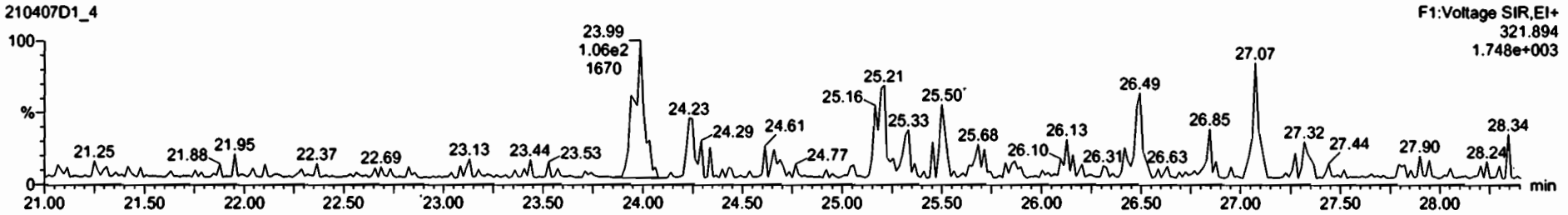
Dataset: Untitled

Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

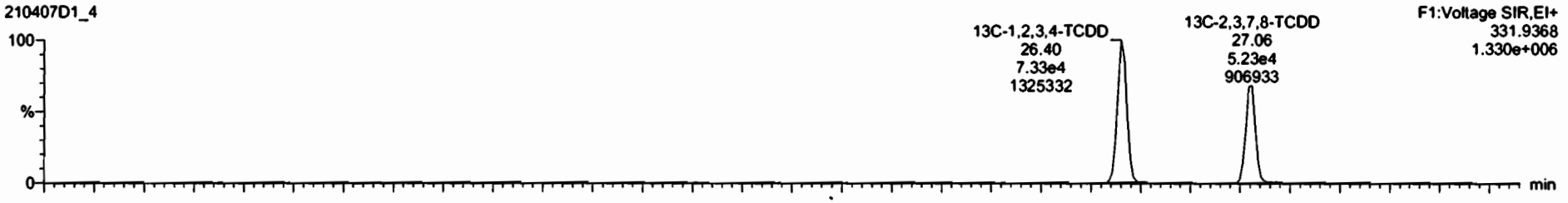
Name: 210407D1_4, Date: 07-Apr-2021, Time: 11:05:32, ID: 2103216-09 USMPDI-060RAB-20-28.1-210317 12.72, Description: USMPDI-060RAB-20-28.1-210317

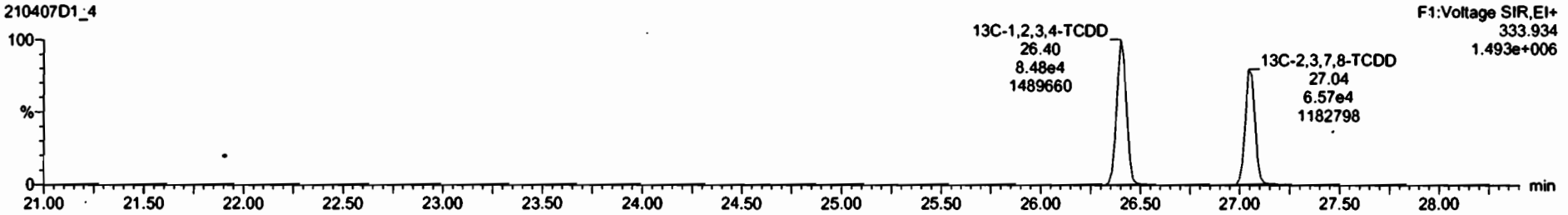
2,3,7,8-TCDD





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



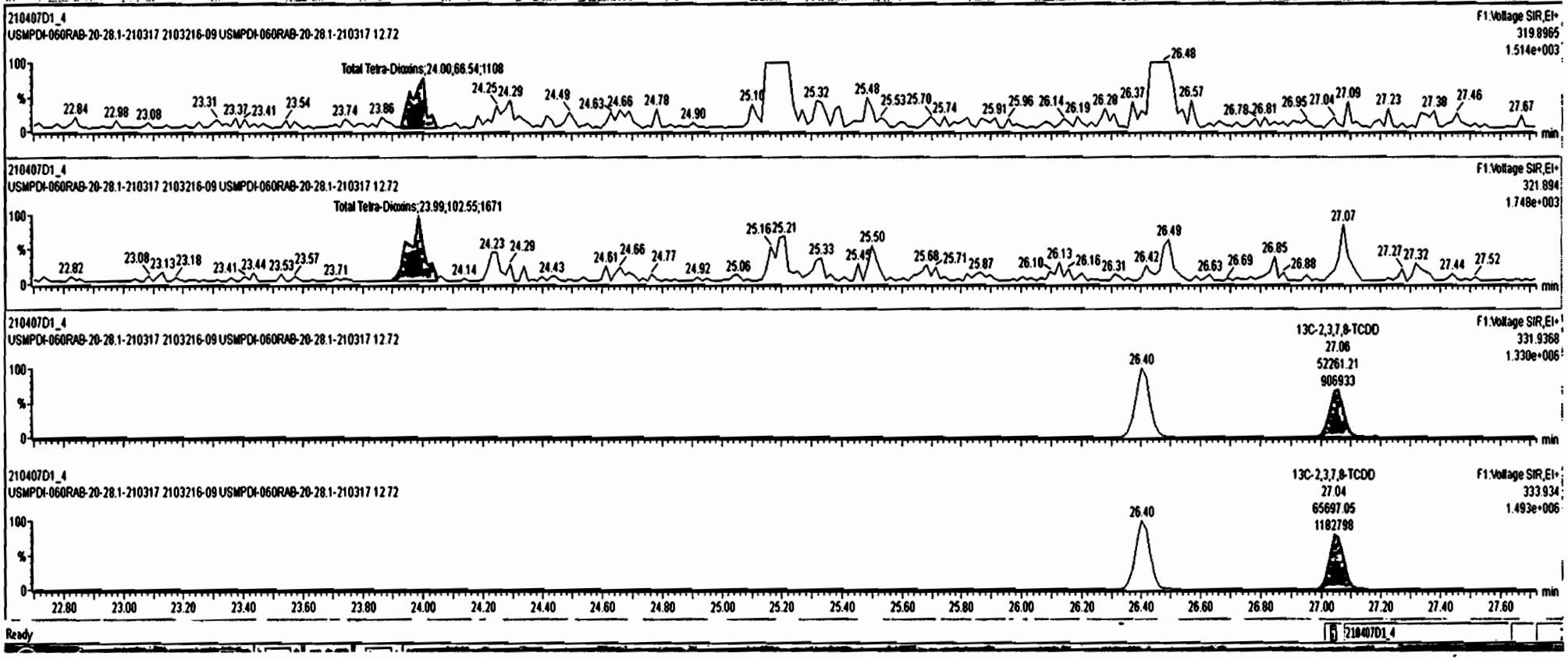


TargetLynx - 210407D1-4 : [Chromatogram]

File Edit View Display Processing Window Help

	Name	Resp	RA	n/y	RRf	wtAvg	RT	RRT	Conc.	%Rec	DL	EMPC
38	13C-1,2,3,4,6,9-HxCDF	1.73e5	0.49	NO	1.0000	10.220	34.17	1.000	196	100	0.904	
39	Total Tetra-Dioxins				0.9976	10.220			0.000		0.0607	0.254
40	Total Penta-Dioxins				0.9613	10.220			0.000		0.0626	0.527
41	Total Hexa-Dioxins				1.0404	10.220			9.00		0.466	9.00

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Tetra-Dioxins	24.00	6.654e1	1.025e2	0.65	YES	0.25436	0.00000



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Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
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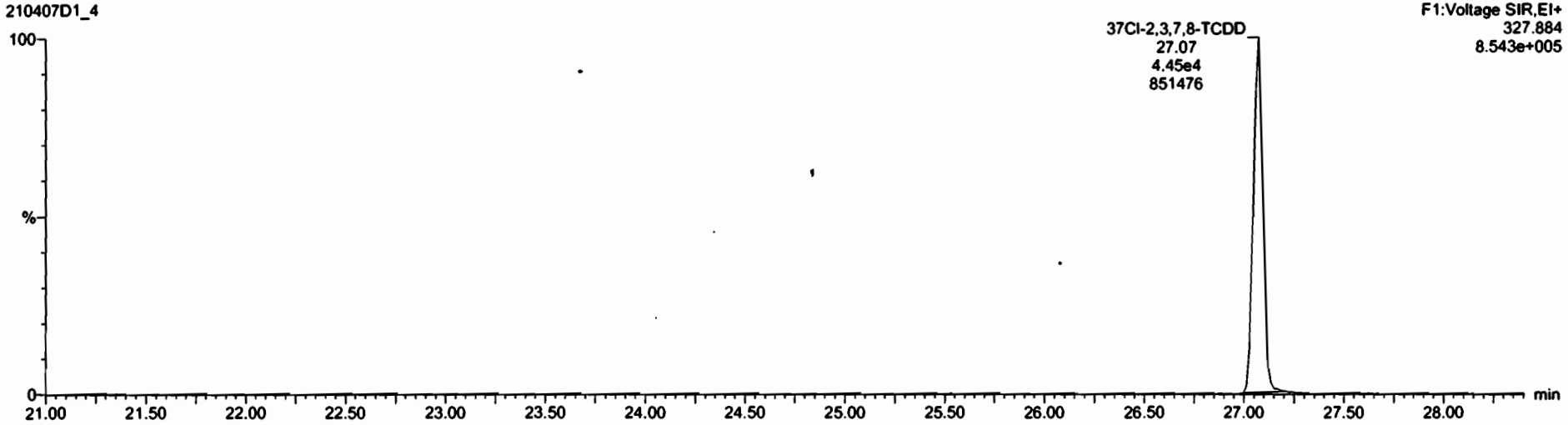
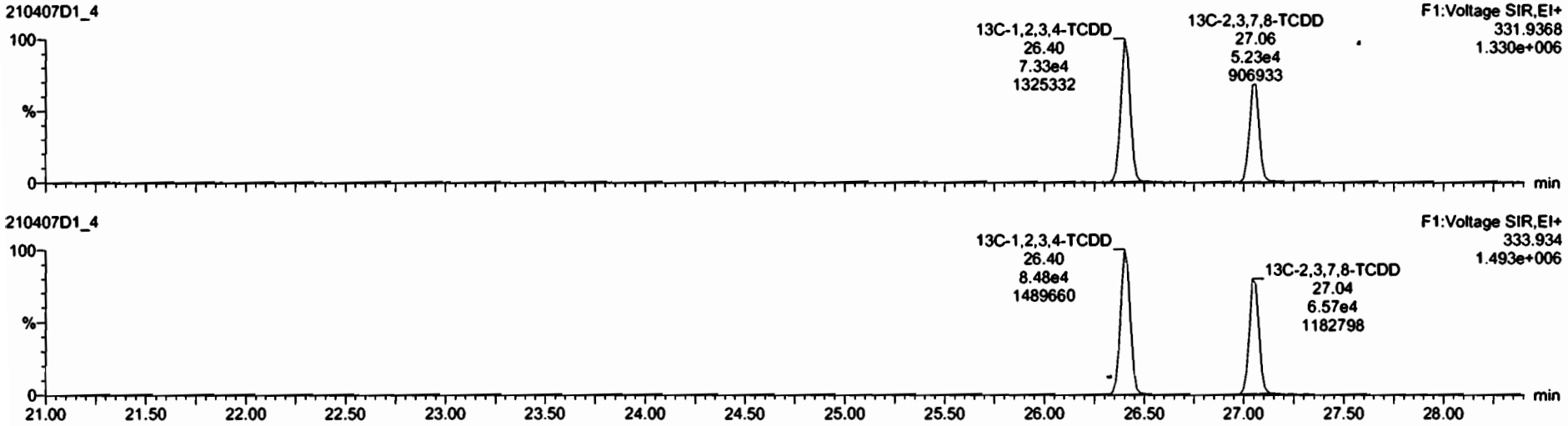
Name: 210407D1_4, Date: 07-Apr-2021, Time: 11:05:32, ID: 2103216-09 USMPDI-060RAB-20-28.1-210317 12.72, Description: USMPDI-060RAB-20-28.1-210317

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



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



Dataset: Untitled

Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
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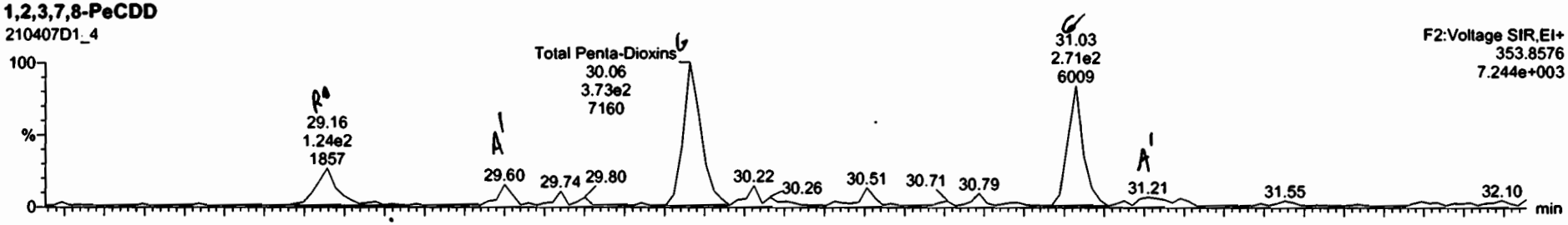
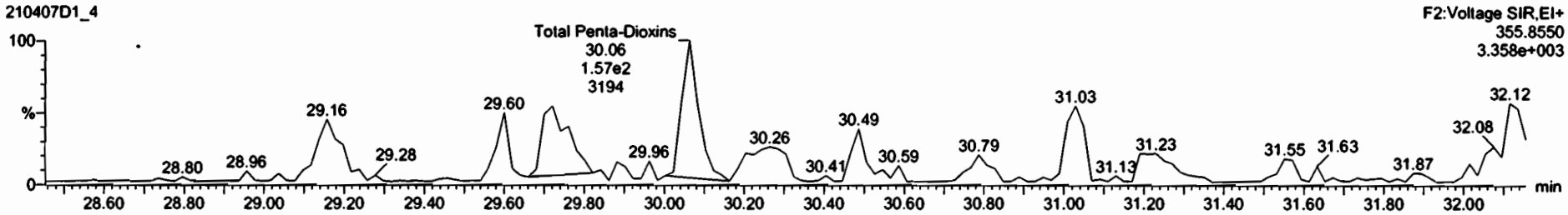
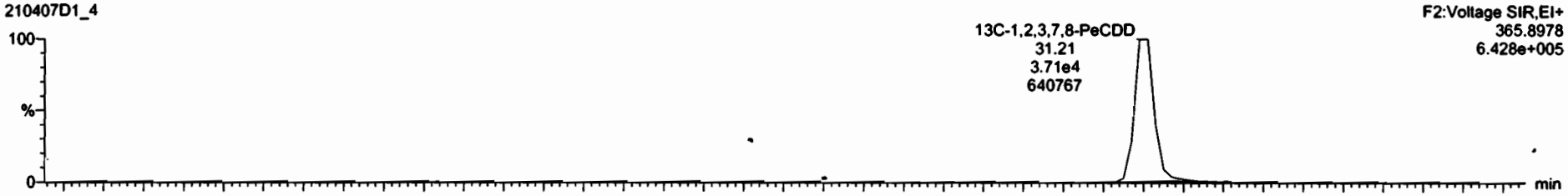
Name: 210407D1_4, Date: 07-Apr-2021, Time: 11:05:32, ID: 2103216-09 USMPDI-060RAB-20-28.1-210317 12.72, Description: USMPDI-060RAB-20-28.1-210317

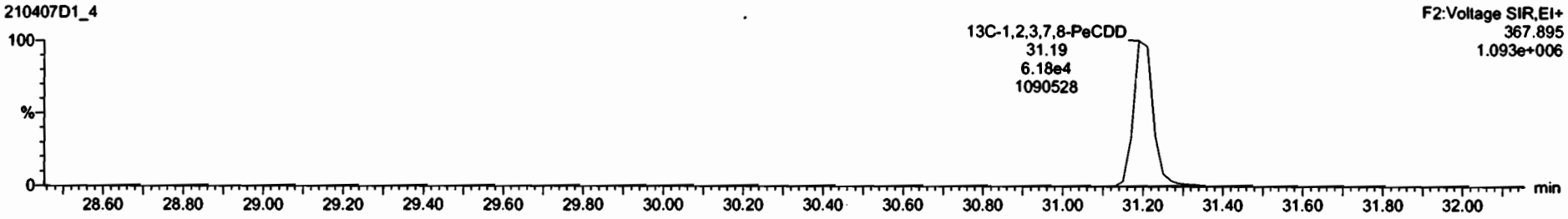
1,2,3,7,8-PeCDD





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



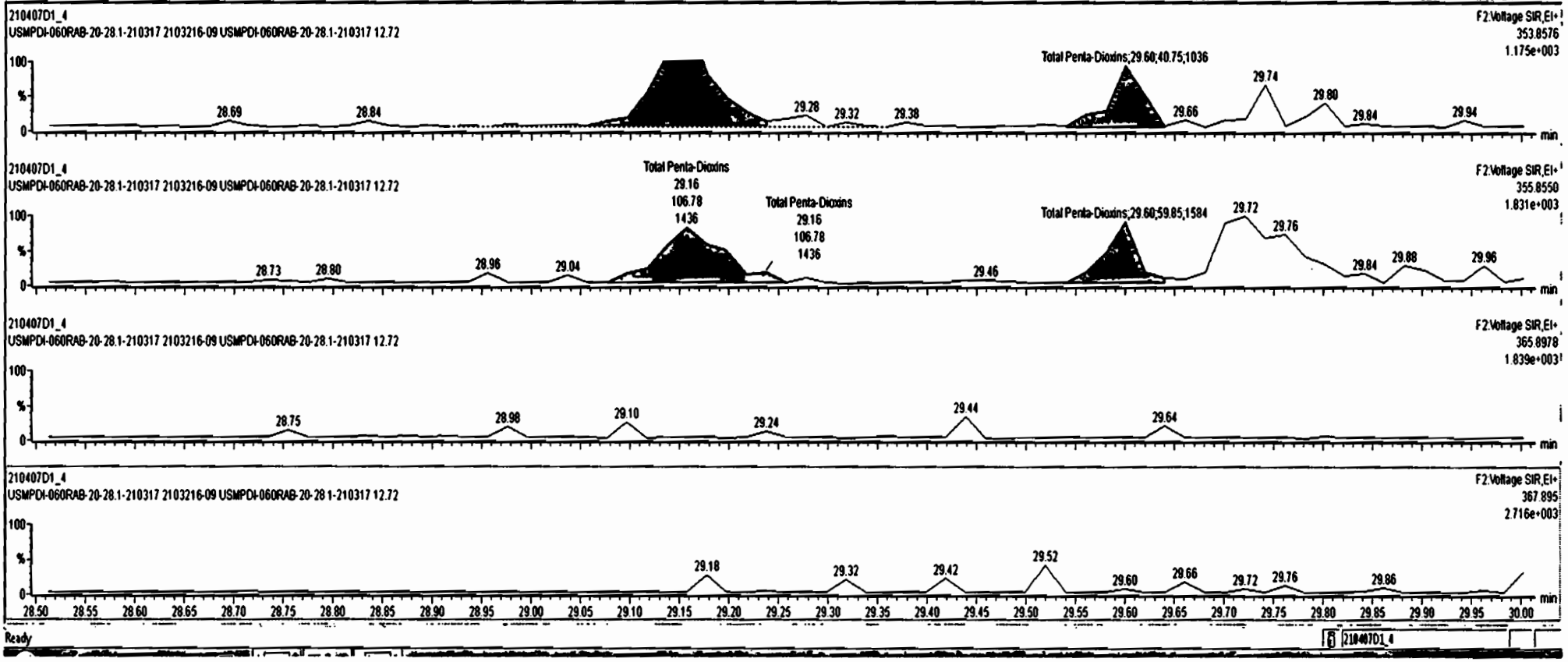


TargetLynx - 210407D1_4 - [Chromatogram]

File Edit View Display Processing Window Help

	Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
38	13C-1,2,3,4,6,9-HxCDF	1.73e5	0.49	NO	1.0000	10.220	34.17	1.000	196	100	0.904	
39	Total Tetra-Dioxins				0.9976	10.220			0.000		0.0607	0.254
40	Total Penta-Dioxins				0.9613	10.220			0.398		0.181	0.751
41	Total Hexa-Dioxins				1.0404	10.220			9.00		0.466	9.00

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Penta-Dioxins	29.16	1.119e2	1.068e2	1.05	YES	0.36330	0.80000
2	Total Penta-Dioxins	29.60	4.075e1	5.985e1	0.68	NO	0.20998	0.20998
3	1,2,3,7,8-PeCDD	31.21	3.104e1	5.404e1	0.57	NO	0.17758	0.17758



Ready

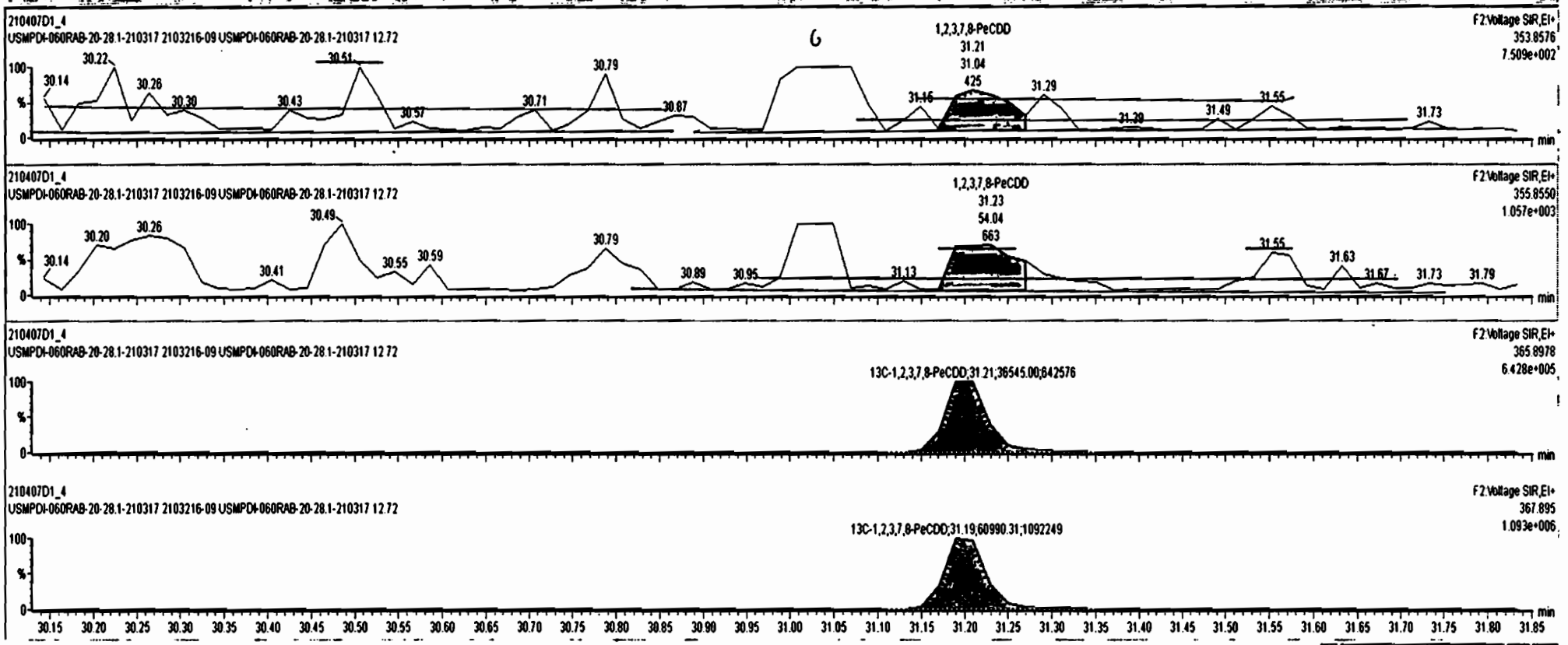
210407D1_4

TargetLynx - 210407D1-4 [Chromatogram]

File Edit View Display Processing Window Help

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
38	13C-1,2,3,4,6,9-HxCDF	1.73e5	0.49	NO	1.0000	10.220	34.17	1.000	196	100	0.904	
39	Total Tetra-Dioxins				0.9976	10.220			0.000		0.0607	0.254
40	Total Penta-Dioxins				0.9613	10.220			0.386		0.181	0.751
41	Total Hexa-Dioxins				1.0404	10.220			9.00		0.466	9.00

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Penta-Dioxins	29.16	1.118e2	1.069e2	1.05	YES	0.35330	0.00000
2	Total Penta-Dioxins	29.60	4.075e1	5.985e1	0.68	NO	0.20998	0.20998
3	1,2,3,7,8-PeCDD	31.21	3.104e1	5.404e1	0.57	NO	0.17758	0.17758

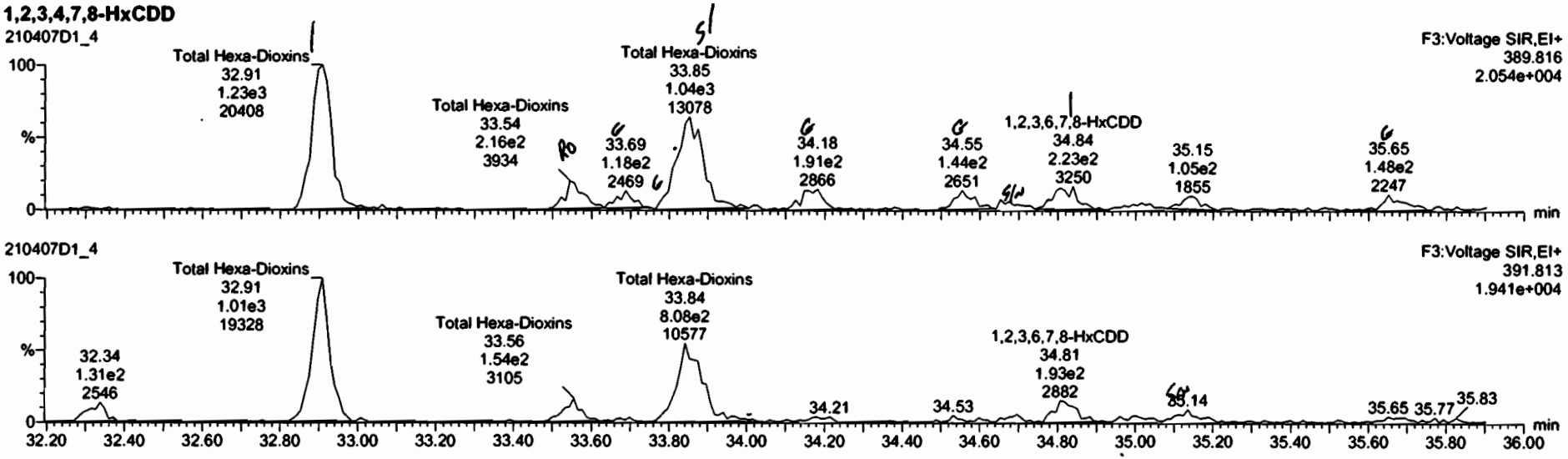


Dataset: Untitled

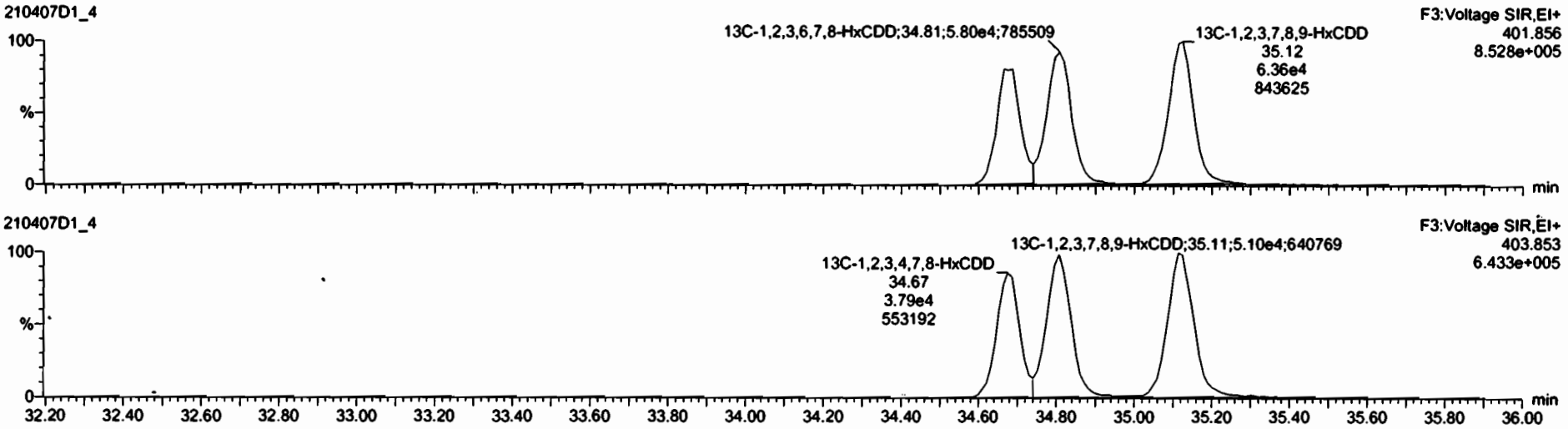
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_4, Date: 07-Apr-2021, Time: 11:05:32, ID: 2103216-09 USMPDI-060RAB-20-28.1-210317 12.72, Description: USMPDI-060RAB-20-28.1-210317

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



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

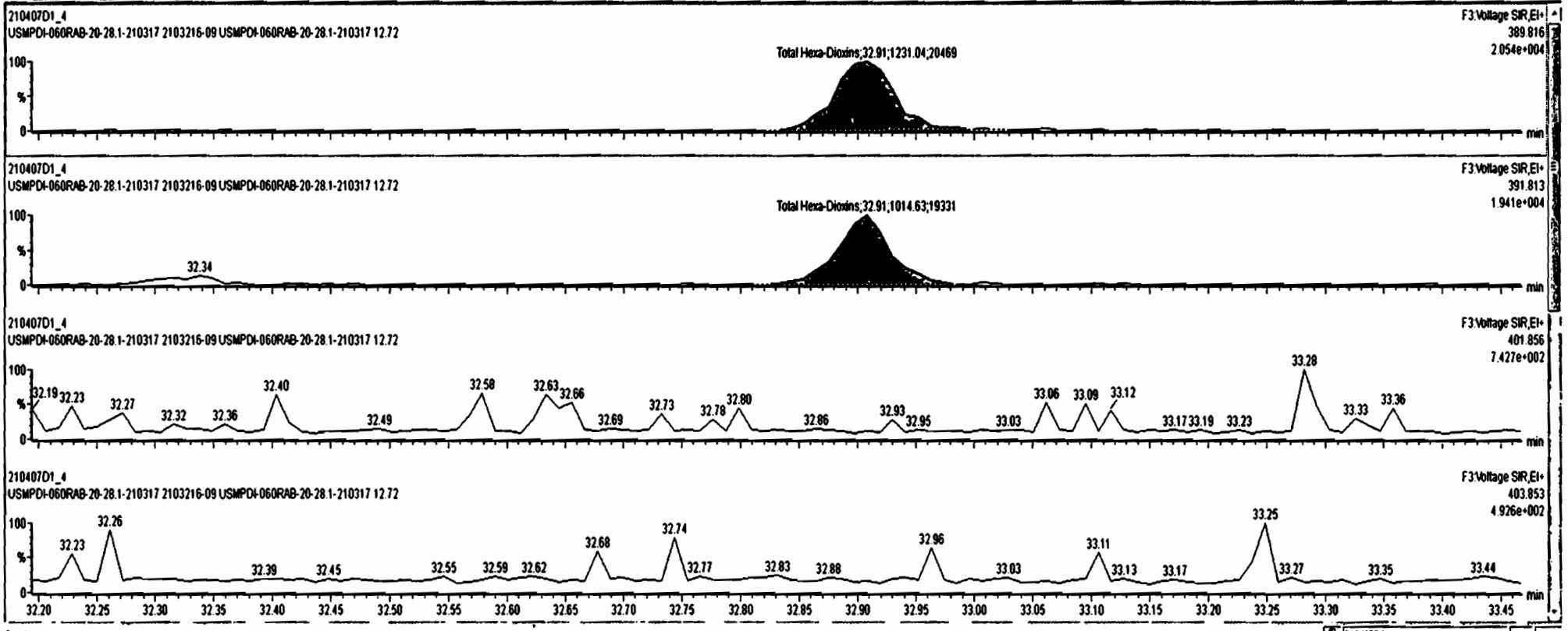


TargetLynx - 210407D1-4 * - [Chromatogram]

File Edit View Display Processing Window Help

	Name	Resp	RA	rdy	RRF	wtAvg	RT	RRT	Conc.	%Rec	tr	DL	EMPC
38	13C-1,2,3,4,6,9-HxCDF	1.73e5	0.49	NO	1.0000	10.220	34.17	1.000	196	100		0.904	
39	Total Tetra-Dioxins				0.9976	10.220			0.000			0.0607	0.254
40	Total Penta-Dioxins				0.9613	10.220			0.388			0.181	0.751
41	Total Hexa-Dioxins				1.0404	10.220			6.14			0.466	6.80

	Name	RT	m1 Resp	m2 Resp	RA	IM	F EMPC	Conc.
1	Total Hexa-Dioxins	32.91	1.231e3	1.015e3	1.21	NO	4.1494	4.1494
2	Total Hexa-Dioxins	33.54	2.272e2	1.577e2	1.44	YES	0.65288	0.00000
3	Total Hexa-Dioxins	33.87	3.717e2	2.925e2	1.27	NO	1.2273	1.2273
4	1,2,3,6,7,8-HxCDD	34.84	2.289e2	1.949e2	1.17	NO	0.76553	0.76553



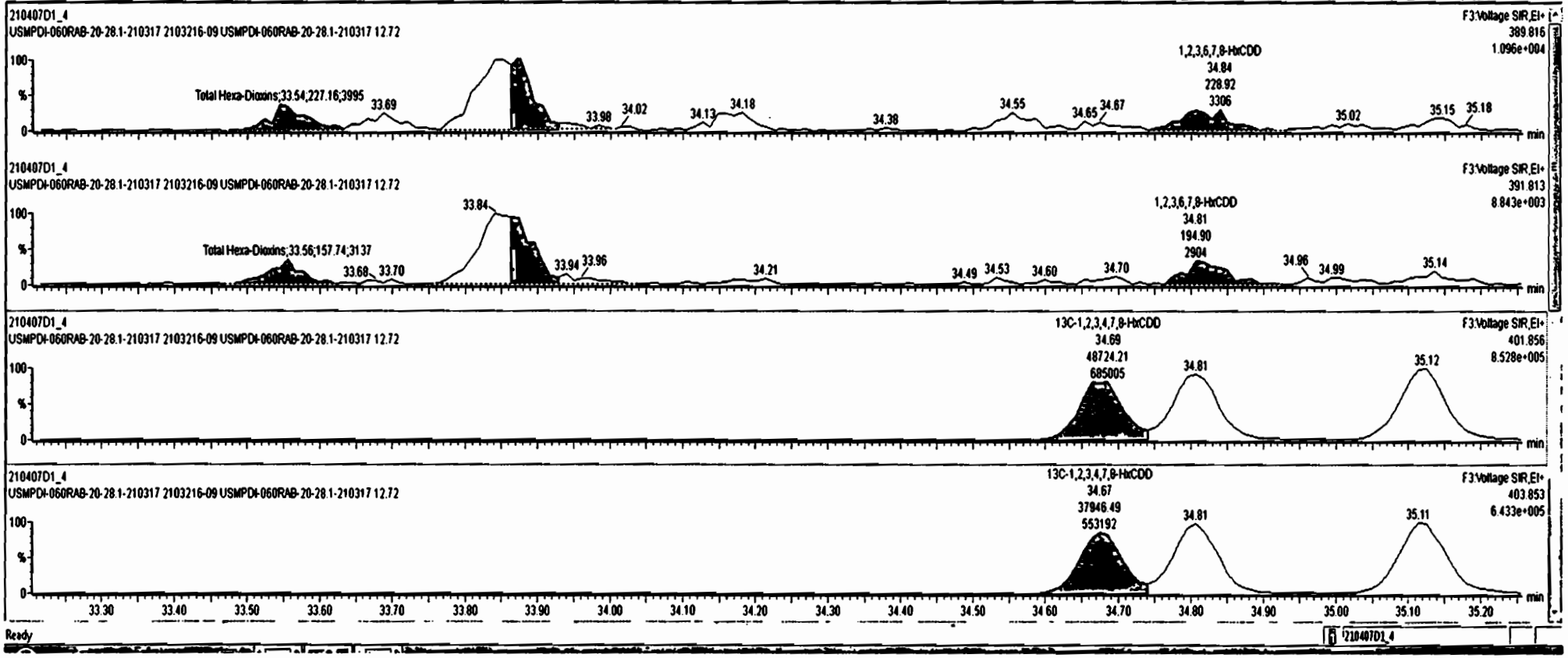
Ready

TargetLynx - 210407D1-4 - [Chromatogram]

File Edit View Display Processing Window Help

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
38	13C-1,2,3,4,6,9-HxCDF	1.73e5	0.49	NO	1.0000	10.220	34.17	1.000	196	100	0.904	
39	Total Tetra-Dioxins				0.9976	10.220			0.000		0.0607	0.254
40	Total Penta-Dioxins				0.9613	10.220			0.388		0.181	0.751
41	Total Hexa-Dioxins				1.0404	10.220			6.14		0.466	6.80

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Hexa-Dioxins	32.91	1.231e3	1.015e3	1.21	NO	4.1494	4.1494
2	Total Hexa-Dioxins	33.54	2.272e2	1.577e2	1.44	YES	0.65288	0.00000
3	Total Hexa-Dioxins	33.87	3.717e2	2.925e2	1.27	NO	1.2273	1.2273
4	1,2,3,6,7,8-HxCDD	34.84	2.289e2	1.949e2	1.17	NO	0.76553	0.76553

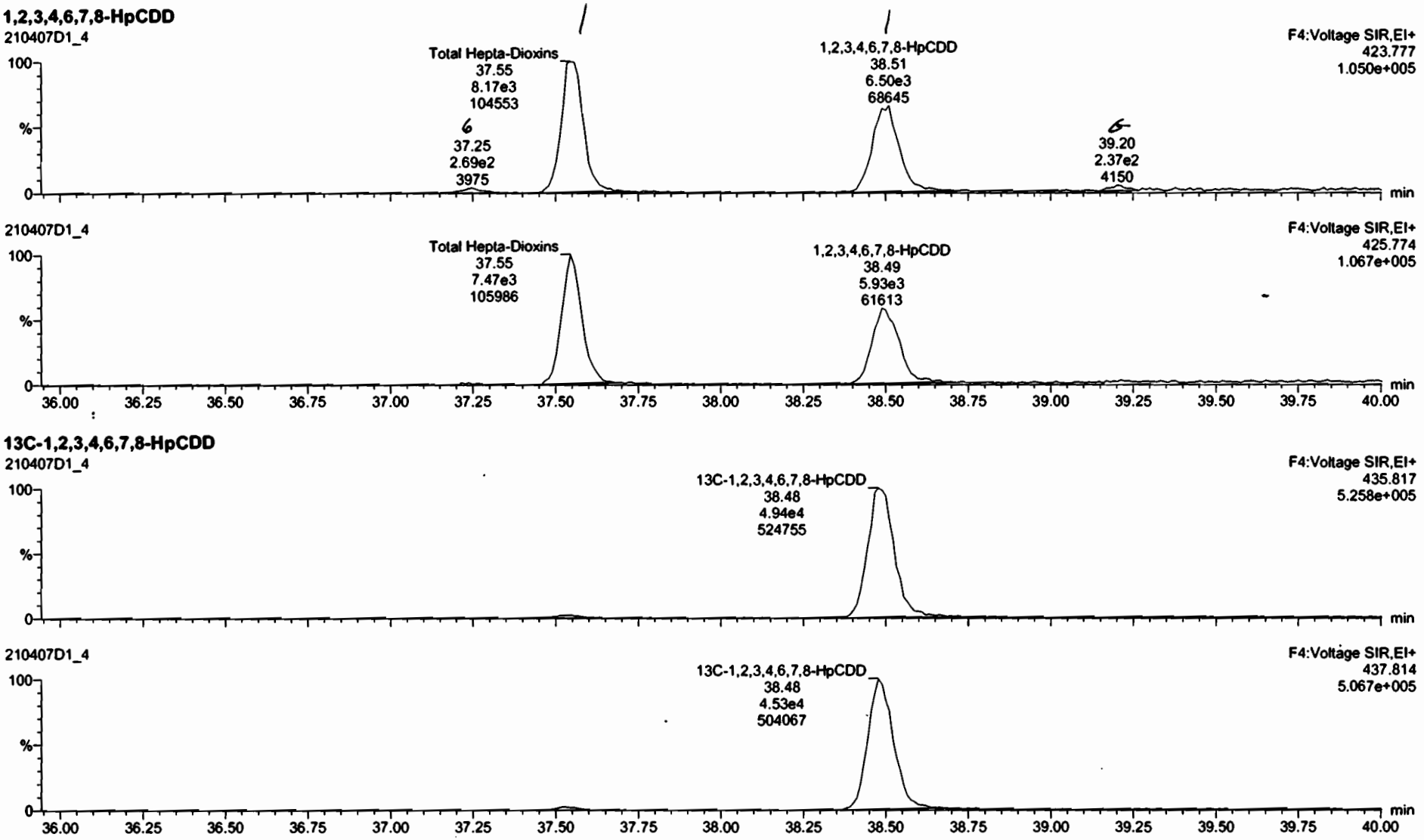


Dataset: Untitled

Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_4, Date: 07-Apr-2021, Time: 11:05:32, ID: 2103216-09 USMPDI-060RAB-20-28.1-210317 12.72, Description: USMPDI-060RAB-20-28.1-210317

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



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

Dataset: Untitled

Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
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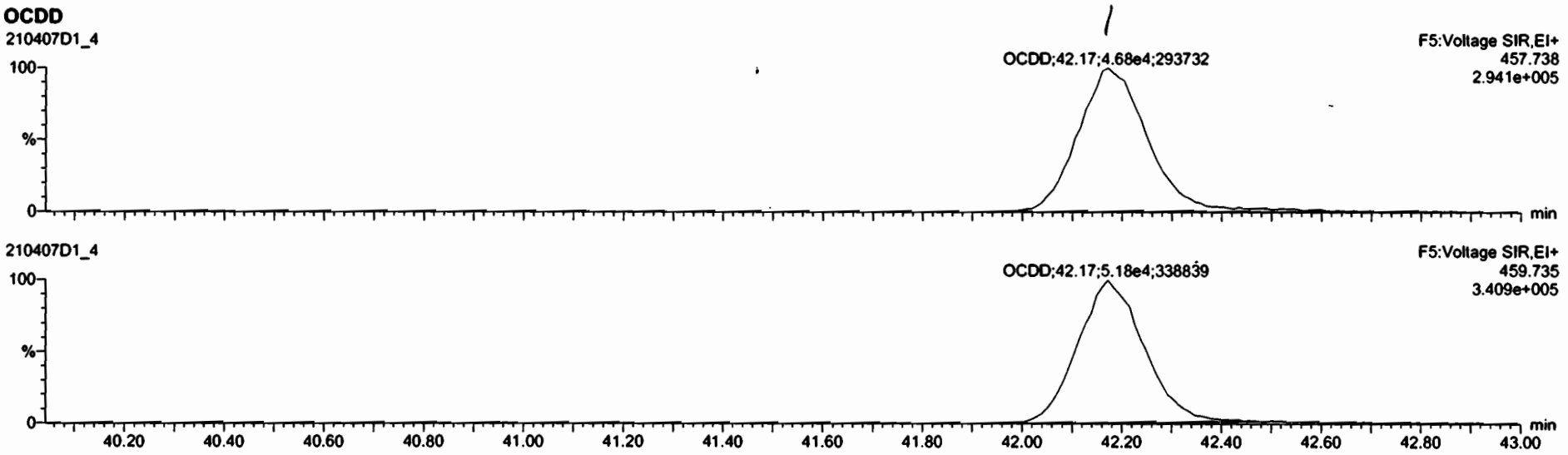
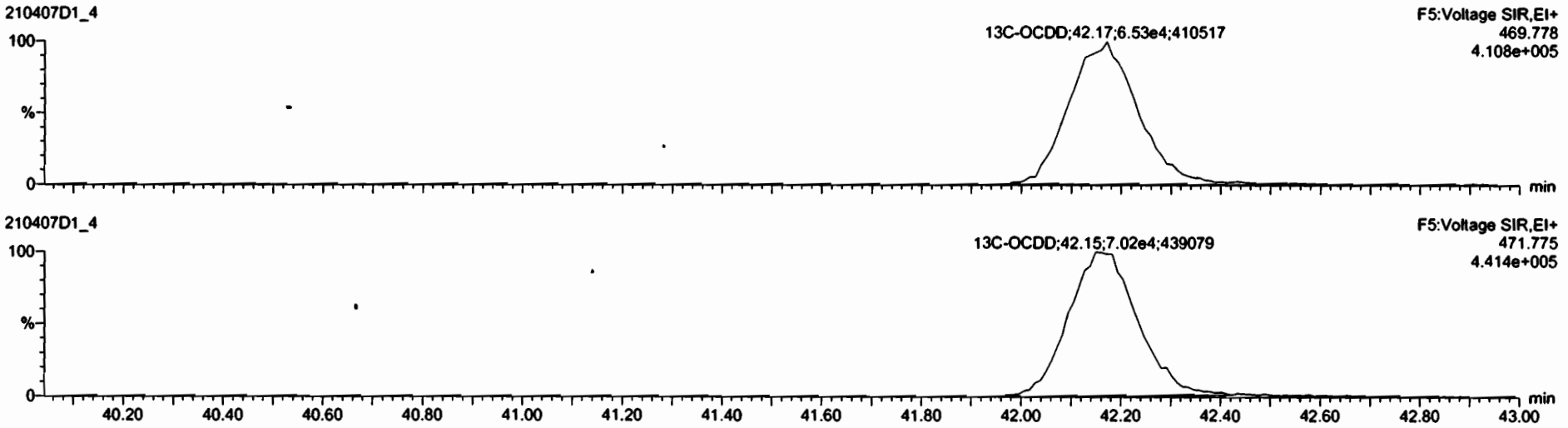
Name: 210407D1_4, Date: 07-Apr-2021, Time: 11:05:32, ID: 2103216-09 USMPDI-060RAB-20-28.1-210317 12.72, Description: USMPDI-060RAB-20-28.1-210317

OCDD



13C-OCDD



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Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
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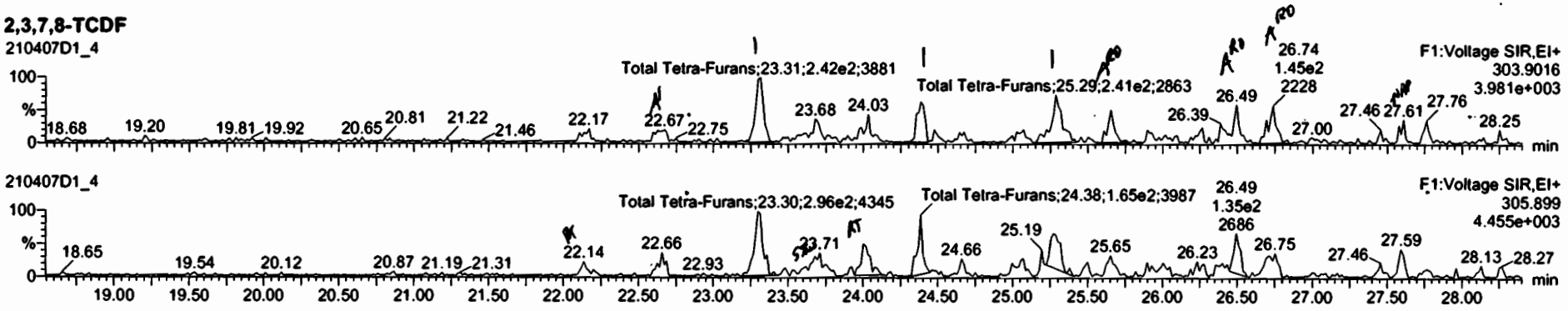
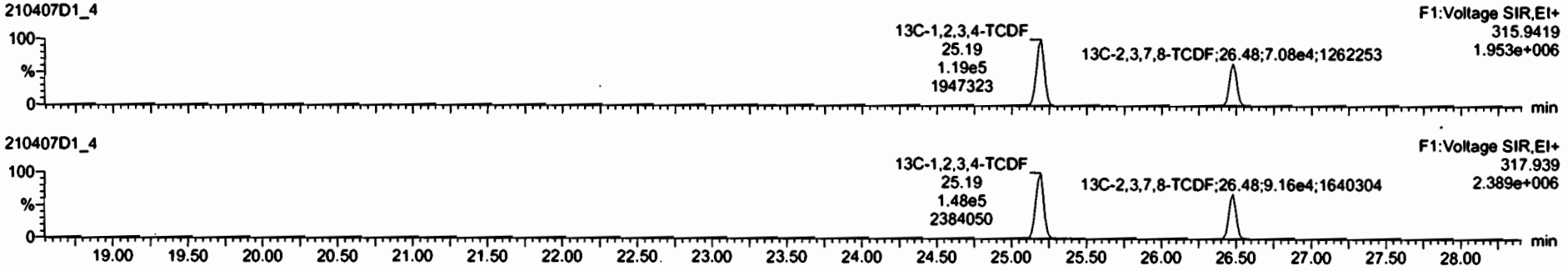
Name: 210407D1_4, Date: 07-Apr-2021, Time: 11:05:32, ID: 2103216-09 USMPDI-060RAB-20-28.1-210317 12.72, Description: USMPDI-060RAB-20-28.1-210317

2,3,7,8-TCDF



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



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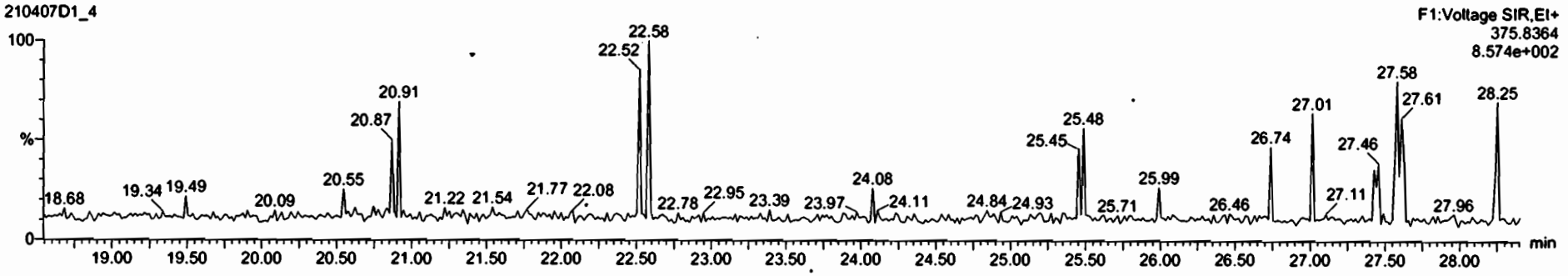
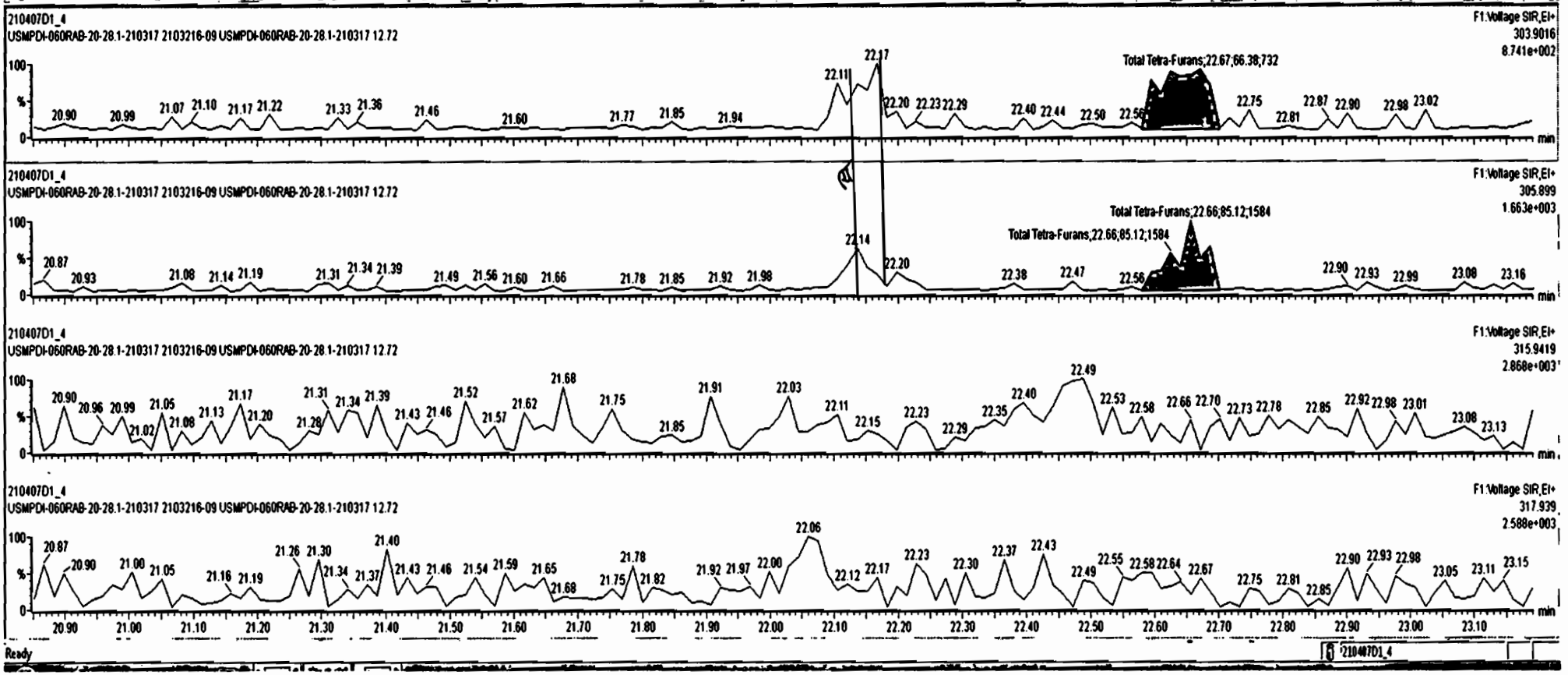


TargetLynx - 210407D1-4 - [Chromatogram]

File Edit View Display Processing Window Help

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
43	Total Tetra-Furans				0.9895	10.220			1.78		0.125	1.78
44	1st Func. Penta-Furans				1.0221	10.220			3.19		0.0495	3.19
45	Total Penta-Furans				1.0221	10.220			2.55		0.0971	3.98
46	Total Hexa-Furans				1.1281	10.220			8.35		0.171	9.58

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Tetra-Furans	22.67	6.638e1	8.512e1	0.78	NO	0.18452	0.18452
2	Total Tetra-Furans	23.31	2.438e2	2.939e2	0.83	NO	0.65493	0.65493
3	Total Tetra-Furans	24.38	1.507e2	1.803e2	0.84	NO	0.40310	0.40310
4	Total Tetra-Furans	25.29	2.016e2	2.421e2	0.83	NO	0.54032	0.54032

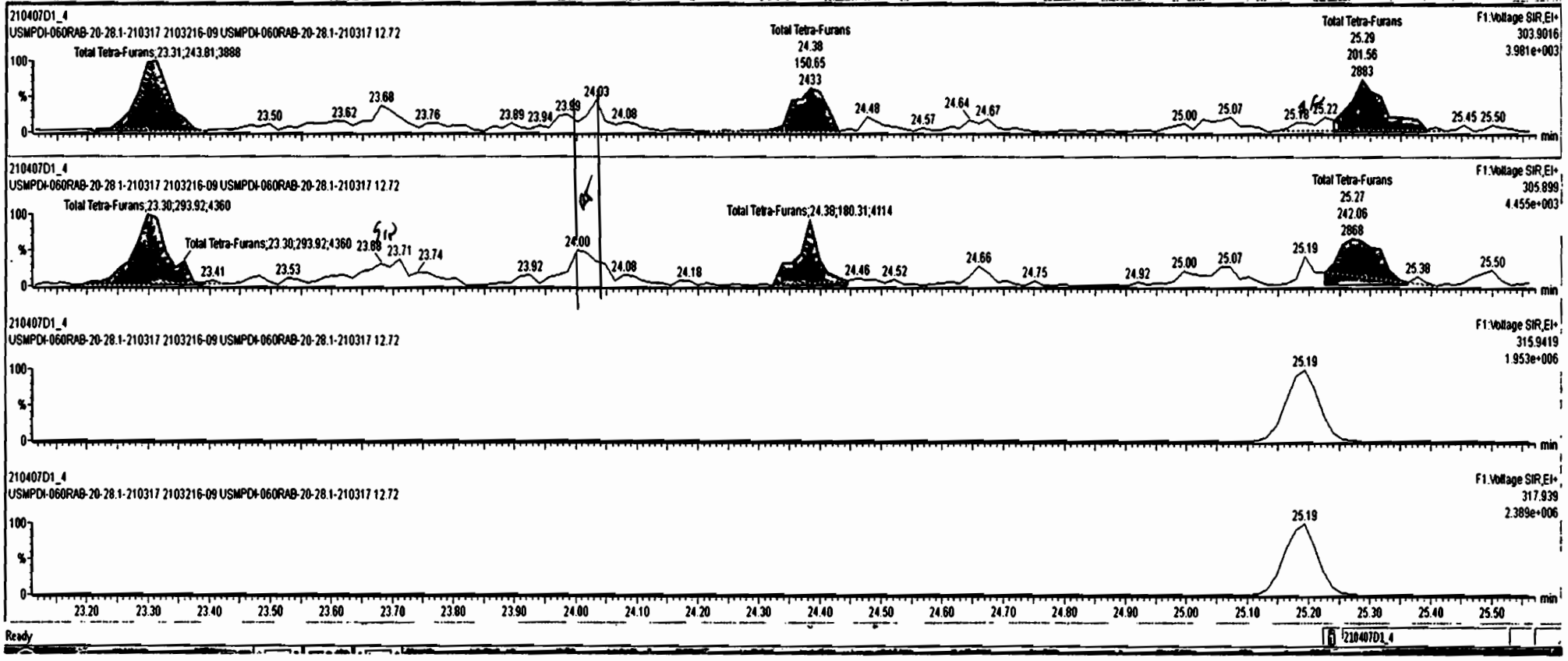


TargetLynx - 210407D1-4 * - [Chromatogram]

File Edit View Display Processing Window Help

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
43	Total Tetra-Furans				0.9895	10.220			1.78		0.125	2.54
44	1st Func. Penta-Furans				1.0221	10.220			3.19		0.0495	3.19
45	Total Penta-Furans				1.0221	10.220			2.55		0.0971	3.98
46	Total Hexa-Furans				1.1281	10.220			8.35		0.171	9.58

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Tetra-Furans	22.67	6.638e1	8.512e1	0.78	NO	0.18452	0.18452
2	Total Tetra-Furans	23.31	2.438e2	2.939e2	0.83	NO	0.65493	0.65493
3	Total Tetra-Furans	24.38	1.507e2	1.803e2	0.84	NO	0.40310	0.40310
4	Total Tetra-Furans	25.29	2.016e2	2.421e2	0.83	NO	0.54032	0.54032
5	Total Tetra-Furans	25.65	1.085e2	8.271e1	1.31	YES	0.17830	0.00000
6	2,3,7,8-TCDF	26.49	9.541e1	1.576e2	0.61	YES	0.26711	0.00000
7	Total Tetra-Furans	26.74	1.448e2	1.461e2	0.99	YES	0.31506	0.00000



Ready

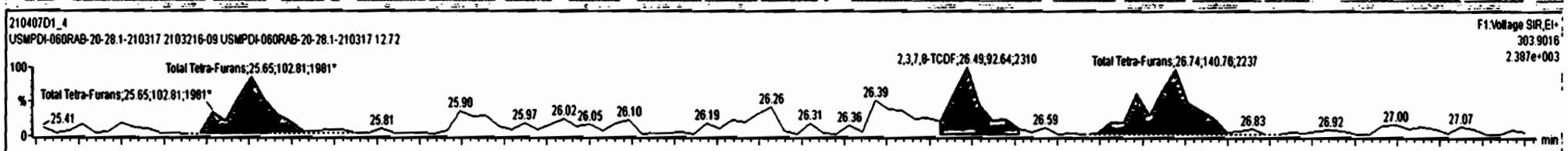
210407D1_4

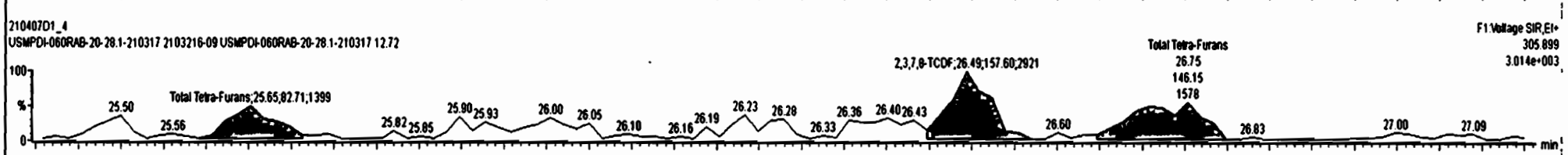
TargetLynx - 210407D1-4 - [Chromatogram]

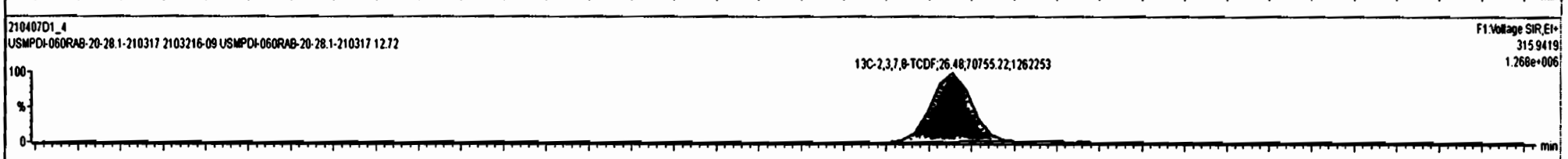
File Edit View Display Processing Window Help

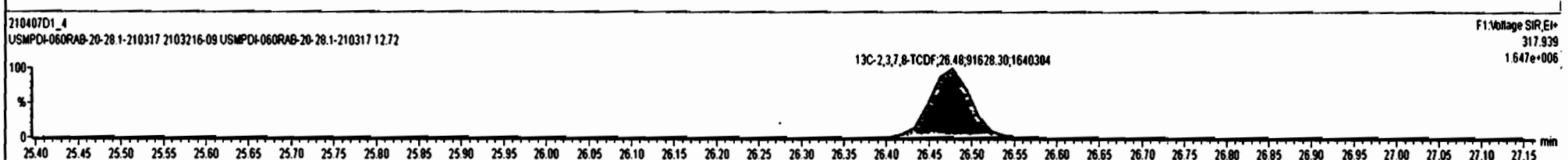
	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
43	Total Tetra-Furans				0.9895	10.220			1.78		0.125	2.54
44	1st Func. Penta-Furans				1.0221	10.220			3.19		0.0495	3.19
45	Total Penta-Furans				1.0221	10.220			2.55		0.0971	3.98
46	Total Hexa-Furans				1.1281	10.220			8.35		0.171	9.58

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Tetra-Furans	22.67	6.638e1	8.512e1	0.78	NO	0.18452	0.18452
2	Total Tetra-Furans	23.31	2.438e2	2.939e2	0.83	NO	0.65493	0.65493
3	Total Tetra-Furans	24.38	1.507e2	1.803e2	0.84	NO	0.40310	0.40310
4	Total Tetra-Furans	25.29	2.016e2	2.421e2	0.83	NO	0.54032	0.54032
5	Total Tetra-Furans	25.65	1.044e2	8.271e1	1.26	YES	0.17830	0.00000
6	2,3,7,8-TCDF	26.49	9.264e1	1.576e2	0.59	YES	0.25937	0.00000
7	Total Tetra-Furans	26.74	1.408e2	1.461e2	0.96	YES	0.31506	0.00000









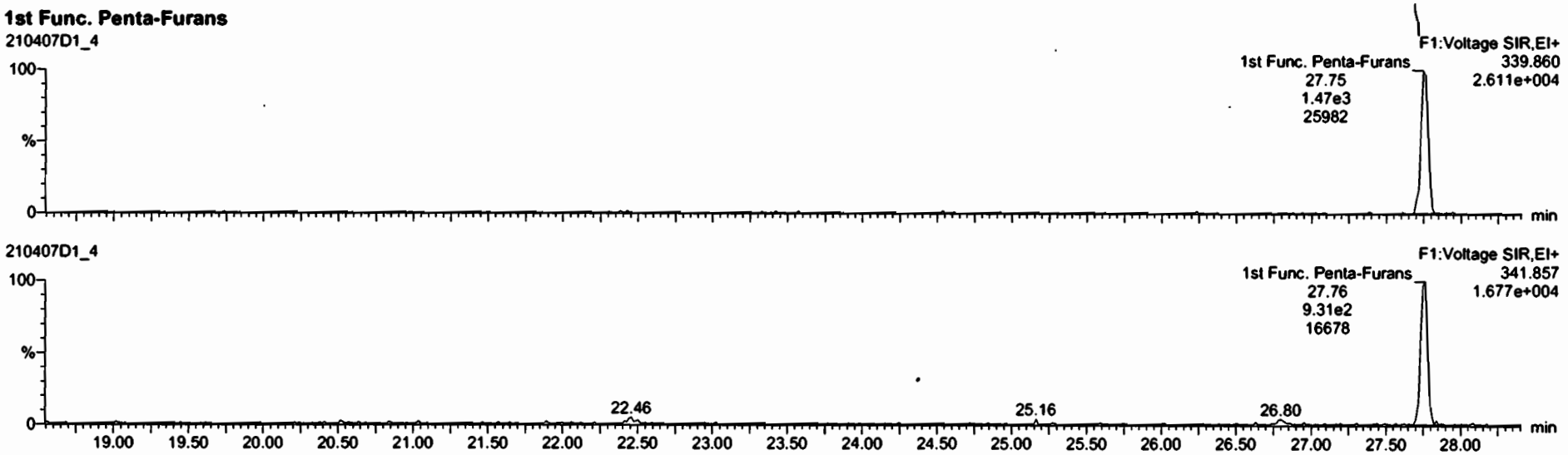
Ready 210407D1_4

Dataset: Untitled

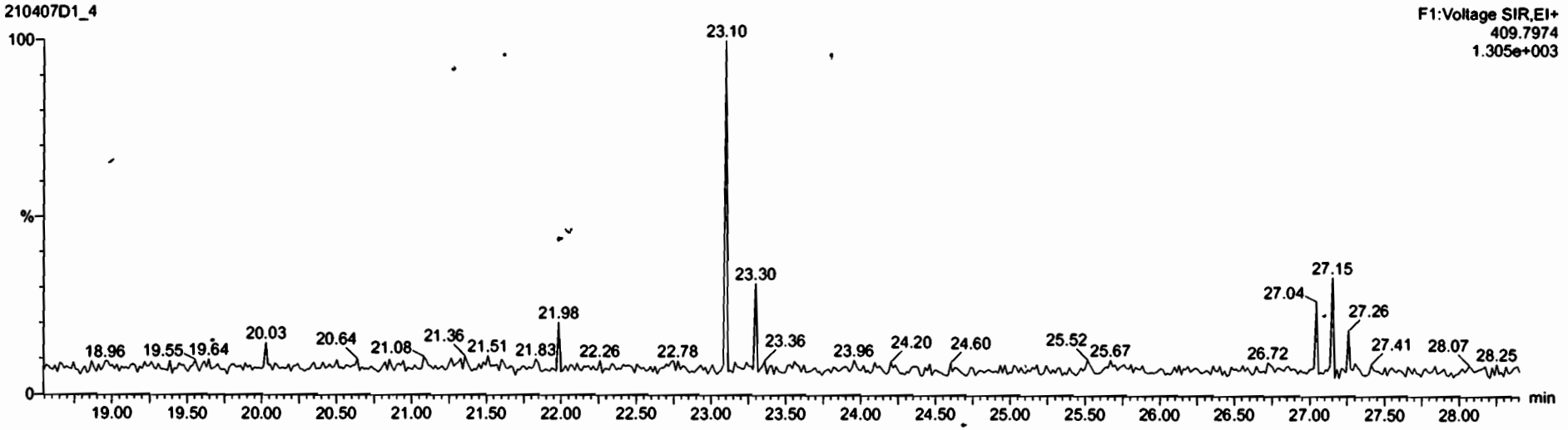
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_4, Date: 07-Apr-2021, Time: 11:05:32, ID: 2103216-09 USMPDI-060RAB-20-28.1-210317 12.72, Description: USMPDI-060RAB-20-28.1-210317

1st Func. Penta-Furans



DPE6



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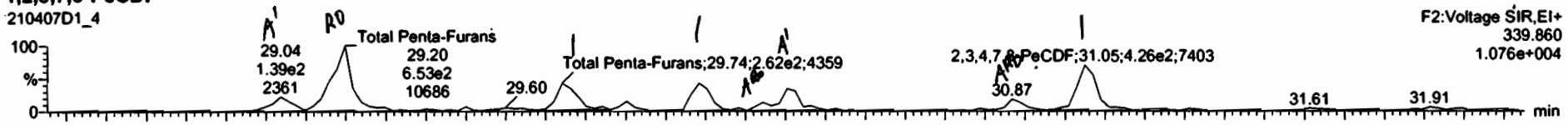
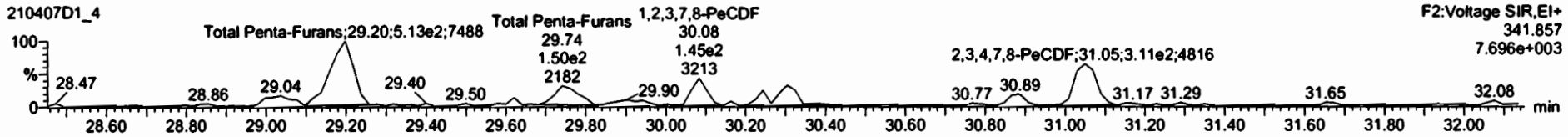
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

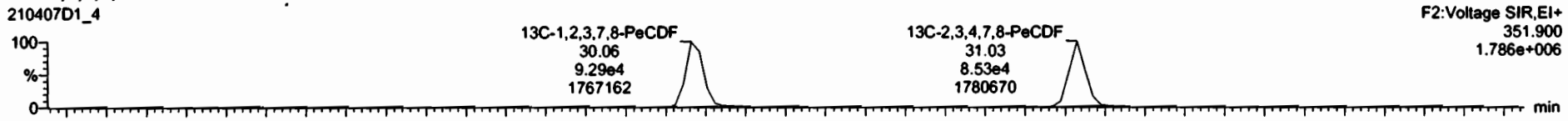
Name: 210407D1_4, Date: 07-Apr-2021, Time: 11:05:32, ID: 2103216-09 USMPDI-060RAB-20-28.1-210317 12.72, Description: USMPDI-060RAB-20-28.1-210317

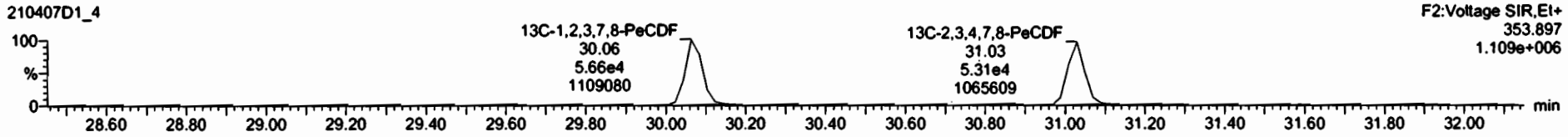
1,2,3,7,8-PeCDF



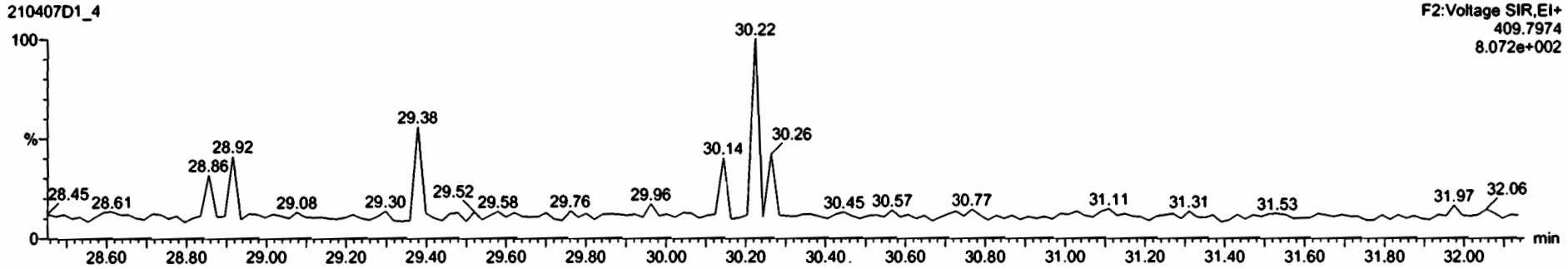


13C-1,2,3,7,8-PeCDF





DPE2

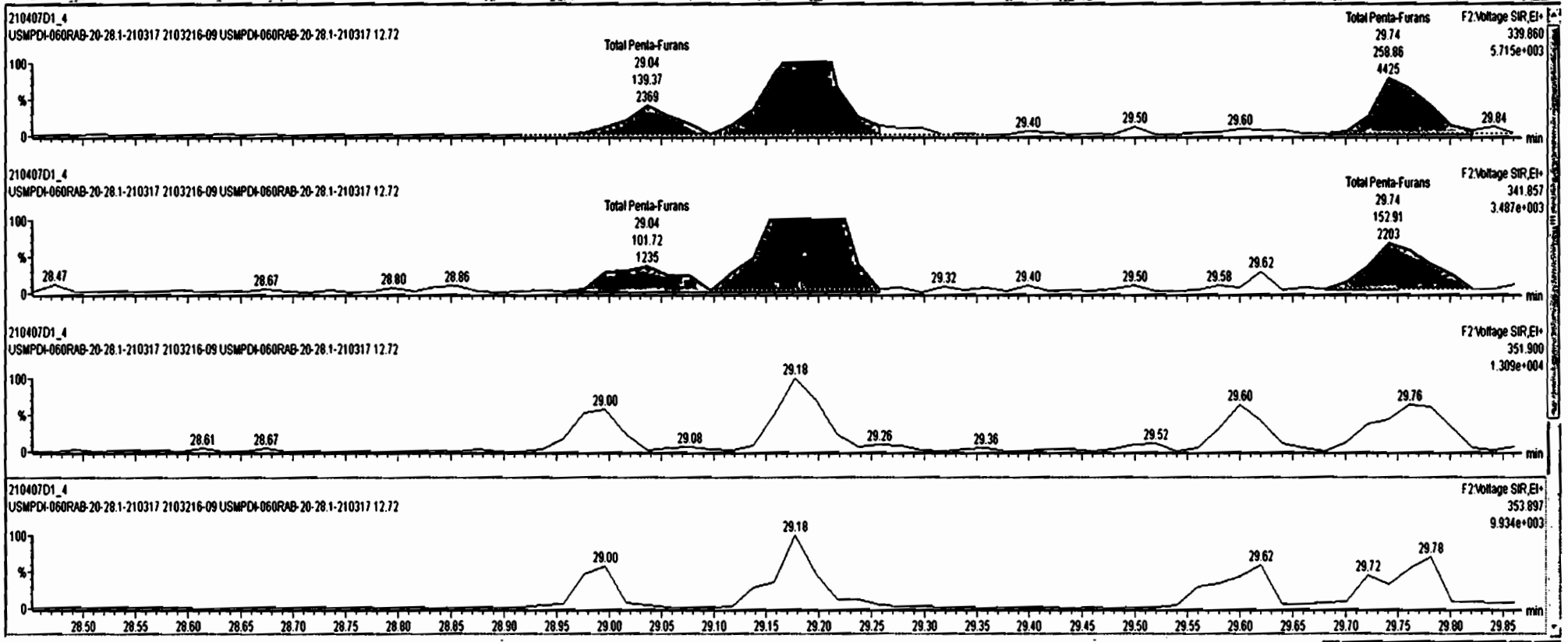


TargetLynx - 210407D1-4* - [Chromatogram]

File Edit View Display Processing Window Help

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
43	Total Tetra-Furans				0.9895	10.220			1.78		0.125	2.54
44	1st Func. Penta-Furans				1.0221	10.220			3.21		0.0496	3.21
45	Total Penta-Furans				1.0221	10.220			2.85		0.0972	4.41
46	Total Hexa-Furans				1.1281	10.220			8.35		0.171	9.58

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Penta-Furans	29.04	1.394e2	1.017e2	1.37	NO	0.32284	0.32284
2	Total Penta-Furans	29.20	6.232e2	5.318e2	1.17	YES	1.3728	0.00000
3	Total Penta-Furans	29.74	2.589e2	1.529e2	1.69	NO	0.55140	0.55140
4	1,2,3,7,8-PeCDF	30.08	2.467e2	1.455e2	1.70	NO	0.50883	0.50883
5	Total Penta-Furans	30.30	2.461e2	1.851e2	1.33	NO	0.57738	0.57738
6	Total Penta-Furans	30.87	8.351e1	6.605e1	1.26	YES	0.18398	0.00000
7	2,3,4,7,8-PeCDF	31.05	4.266e2	3.107e2	1.37	NO	0.88818	0.88818



Ready

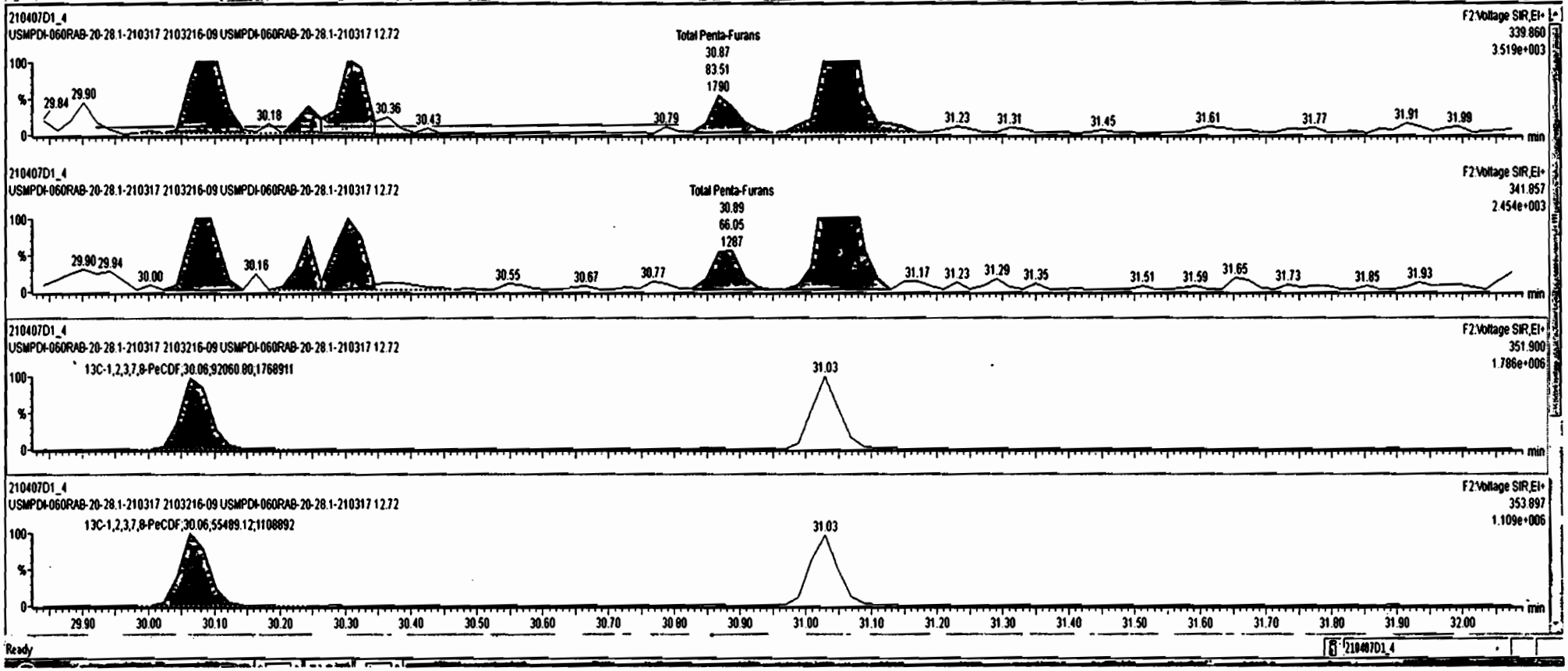
210407D1_4

TargetLynx - 210407D1_4 - [Chromatogram]

File Edit View Display Processing Window Help

	Name	Resp	RA	rvly	RRF	wtAvg	RT	RRT	Conc.	%Rec	DL	EMPC
43	Total Tetra-Furans				0.9895	10.220			1.78		0.125	2.54
44	1st Func. Penta-Furans				1.0221	10.220			3.21		0.0496	3.21
45	Total Penta-Furans				1.0221	10.220			2.86		0.0972	4.32
46	Total Hexa-Furans				1.1281	10.220			0.35		0.171	9.58

	Name	RT	m1 Resp	m2 Resp	RA	rvly	EMPC	Conc.
1	Total Penta-Furans	29.84	1.394e2	1.017e2	1.37	NO	0.32284	0.32284
2	Total Penta-Furans	29.90	6.232e2	5.318e2	1.17	YES	1.3726	0.00000
3	Total Penta-Furans	29.74	2.589e2	1.529e2	1.69	NO	0.55140	0.55140
4	1,2,3,7,8-PeCDF	30.08	2.467e2	1.455e2	1.70	NO	0.50883	0.50883
5	Total Penta-Furans	30.24	4.694e1	5.236e1	0.90	YES	0.10340	0.00000
6	Total Penta-Furans	30.30	1.722e2	1.174e2	1.47	NO	0.36774	0.36774
7	Total Penta-Furans	30.87	8.351e1	6.805e1	1.26	YES	0.18398	0.00000
8	2,3,4,7,8-PeCDF	31.05	4.266e2	3.107e2	1.37	NO	0.88818	0.88818



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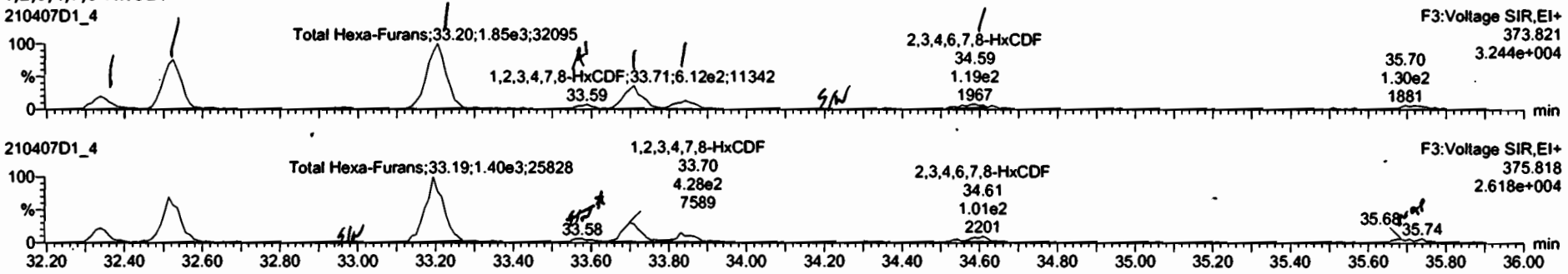
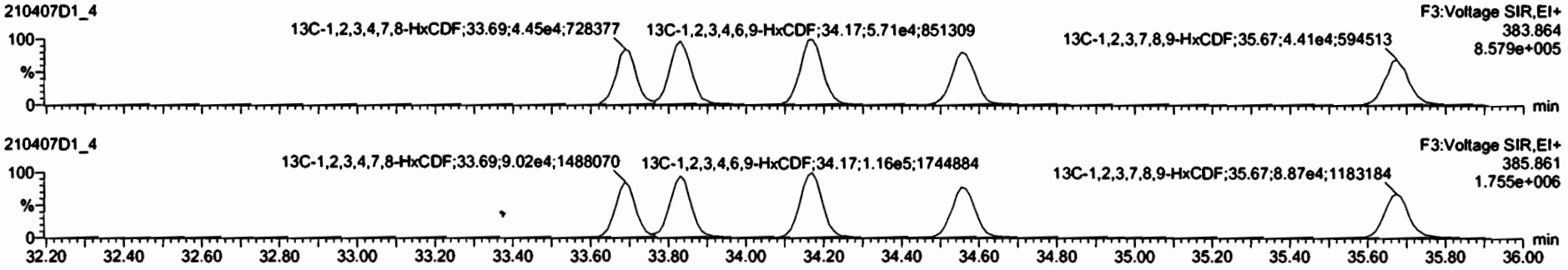
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_4, Date: 07-Apr-2021, Time: 11:05:32, ID: 2103216-09 USMPDI-060RAB-20-28.1-210317 12.72, Description: USMPDI-060RAB-20-28.1-210317

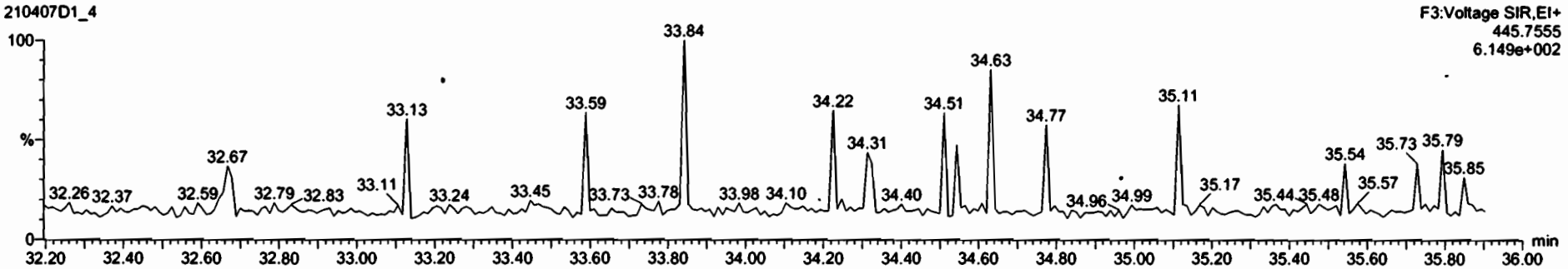
1,2,3,4,7,8-HxCDF



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



DPE3

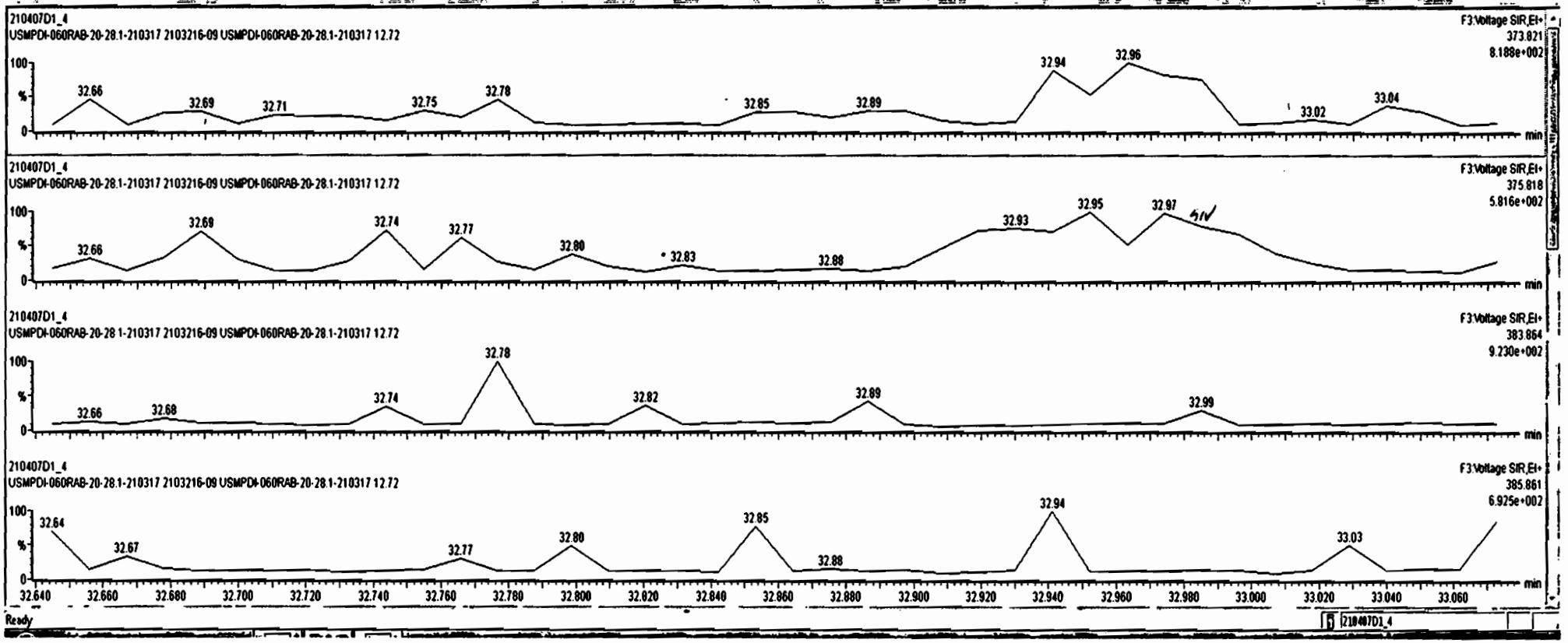


TargetLynx - 210407D1-4 - [Chromatogram]

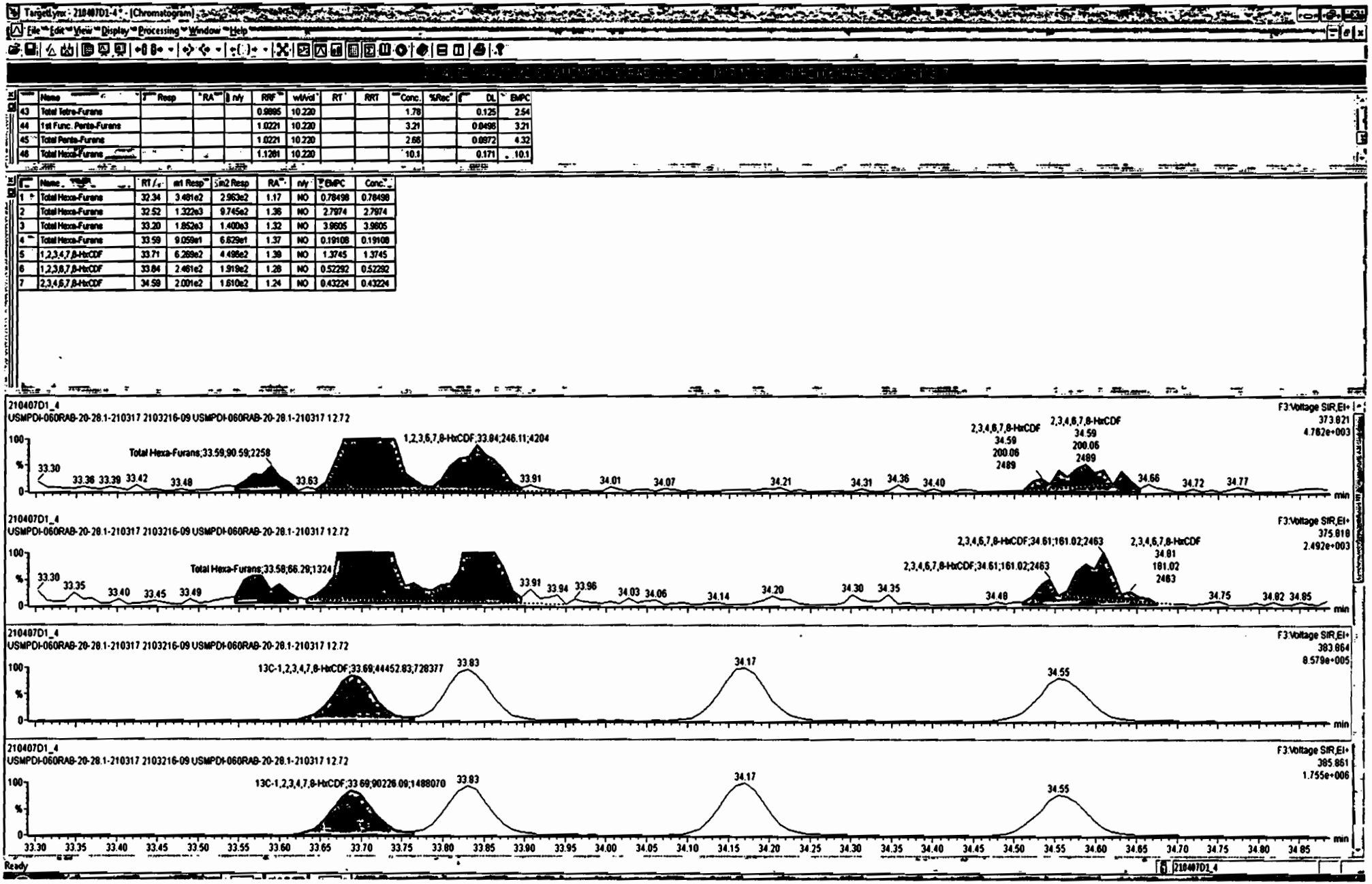
File Edit View Display Processing Window Help

#	Name	Resp	RA	Flg	RRF	Wt/Vol	RT	RRT	Conc	%Rec	DL	EMPC
43	Total Tetra-Furans				0.9895	10.220			1.78		0.125	2.54
44	1st Func. Penta-Furans				1.0221	10.220			3.21		0.0496	3.21
45	Total Penta-Furans				1.0221	10.220			2.66		0.0972	4.32
46	Total Hexa-Furans				1.1281	10.220			10.1		0.171	10.1

#	Name	RT	Int Resp	m2 Resp	RA	Flg	EMPC	Conc.
1	Total Hexa-Furans	32.34	3.481e2	2.963e2	1.17	NO	0.78498	0.78498
2	Total Hexa-Furans	32.52	1.322e3	9.745e2	1.36	NO	2.7974	2.7974
3	Total Hexa-Furans	33.20	1.852e3	1.400e3	1.32	NO	3.9605	3.9605
4	Total Hexa-Furans	33.59	9.059e1	6.629e1	1.37	NO	0.19108	0.19108
5	1,2,3,4,7,8-HxCDF	33.71	6.269e2	4.496e2	1.39	NO	1.3745	1.3745
6	1,2,3,6,7,8-HxCDF	33.84	2.461e2	1.919e2	1.28	NO	0.52292	0.52292
7	2,3,4,6,7,8-HxCDF	34.59	2.001e2	1.810e2	1.24	NO	0.43224	0.43224



Ready

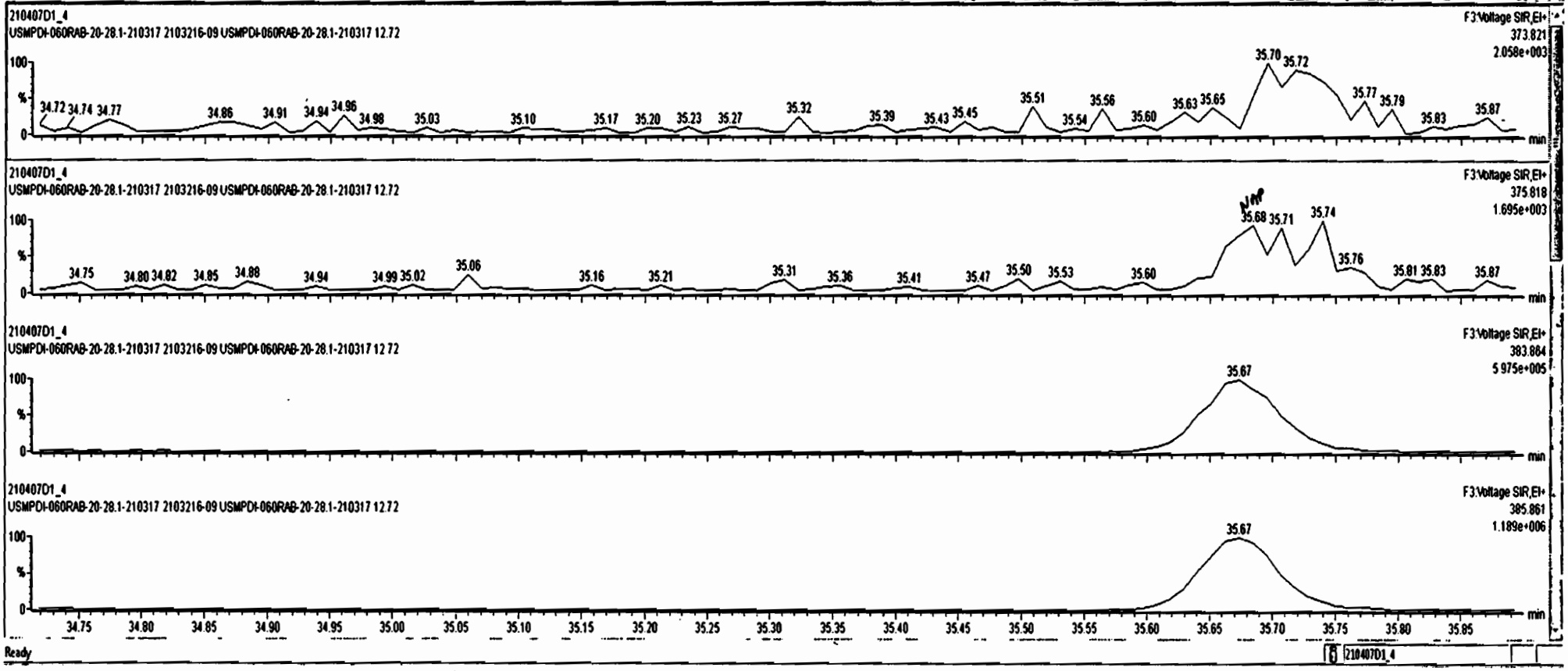

TargetLynx - 210407D1-4 - [Chromatogram]
File Edit View Display Processing Window Help
Name Resp RA n/y RRF wt/vol RT RRT Conc. %Rec DL EMPC
43 Total Tetra-Furans 0.9895 10.220 1.78 0.125 2.54
44 1st Func. Penta-Furans 1.0221 10.220 3.21 0.0498 3.21
45 Total Penta-Furans 1.0221 10.220 2.68 0.0972 4.32
46 Total Hexa-Furans 1.1281 10.220 10.1 0.171 10.1
Name RT wt Resp Sn2 Resp RA n/y EMPC Conc.
1 Total Hexa-Furans 32.34 3.481e2 2.963e2 1.17 NO 0.78498 0.78498
2 Total Hexa-Furans 32.52 1.322e3 9.745e2 1.36 NO 2.7974 2.7974
3 Total Hexa-Furans 33.20 1.852e3 1.400e3 1.32 NO 3.9605 3.9605
4 Total Hexa-Furans 33.59 9.059e1 6.829e1 1.37 NO 0.19108 0.19108
5 1,2,3,4,7,8-HxCDF 33.71 6.269e2 4.498e2 1.39 NO 1.3745 1.3745
6 1,2,3,6,7,8-HxCDF 33.84 2.461e2 1.919e2 1.28 NO 0.52292 0.52292
7 2,3,4,6,7,8-HxCDF 34.59 2.001e2 1.610e2 1.24 NO 0.43224 0.43224
210407D1_4
USMPDI-060RAB-20-28.1-210317 2103216-09 USMPDI-060RAB-20-28.1-210317 12.72
F3:Voltage SIR,EI+ 373.821 4.762e+003
Total Hexa-Furans;33.59;90.59;2258
1,2,3,6,7,8-HxCDF;33.84;246.11;4204
2,3,4,6,7,8-HxCDF 34.59 200.06 2489
2,3,4,6,7,8-HxCDF 34.59 200.06 2489
210407D1_4
USMPDI-060RAB-20-28.1-210317 2103216-09 USMPDI-060RAB-20-28.1-210317 12.72
F3:Voltage SIR,EI+ 375.818 2.492e+003
Total Hexa-Furans;33.58;66.29;1324
2,3,4,6,7,8-HxCDF;34.61;161.02;2463
2,3,4,6,7,8-HxCDF;34.61;161.02;2463
2,3,4,6,7,8-HxCDF 34.61 161.02 2463
210407D1_4
USMPDI-060RAB-20-28.1-210317 2103216-09 USMPDI-060RAB-20-28.1-210317 12.72
F3:Voltage SIR,EI+ 383.864 8.579e+005
13C-1,2,3,4,7,8-HxCDF;33.69;44452.83;728377
210407D1_4
USMPDI-060RAB-20-28.1-210317 2103216-09 USMPDI-060RAB-20-28.1-210317 12.72
F3:Voltage SIR,EI+ 385.861 1.755e+006
13C-1,2,3,4,7,8-HxCDF;33.69;90226.09;1488070
Ready
210407D1_4

TargetLynx - 210407D1-4 * - [Chromatogram]

File Edit View Display Processing Window Help

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
43	Total Tetra-Furans				0.9895	10.220			1.78		0.125	2.54
44	1st Func. Penta-Furans				1.0221	10.220			3.21		0.0496	3.21
45	Total Penta-Furans				1.0221	10.220			2.66		0.0972	4.32
46	Total Hexa-Furans				1.1281	10.220			10.1		0.171	10.1

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Hexa-Furans	32.34	3.481e2	2.963e2	1.17	NO	0.78498	0.78498
2	Total Hexa-Furans	32.52	1.322e3	9.745e2	1.36	NO	2.7974	2.7974
3	Total Hexa-Furans	33.20	1.852e3	1.400e3	1.32	NO	3.9605	3.9605
4	Total Hexa-Furans	33.59	9.059e1	6.629e1	1.37	NO	0.19108	0.19108
5	1,2,3,4,7,8-HxCDF	33.71	6.269e2	4.498e2	1.39	NO	1.3745	1.3745
6	1,2,3,6,7,8-HxCDF	33.84	2.461e2	1.919e2	1.28	NO	0.52292	0.52292
7	2,3,4,6,7,8-HxCDF	34.59	2.001e2	1.610e2	1.24	NO	0.43224	0.43224

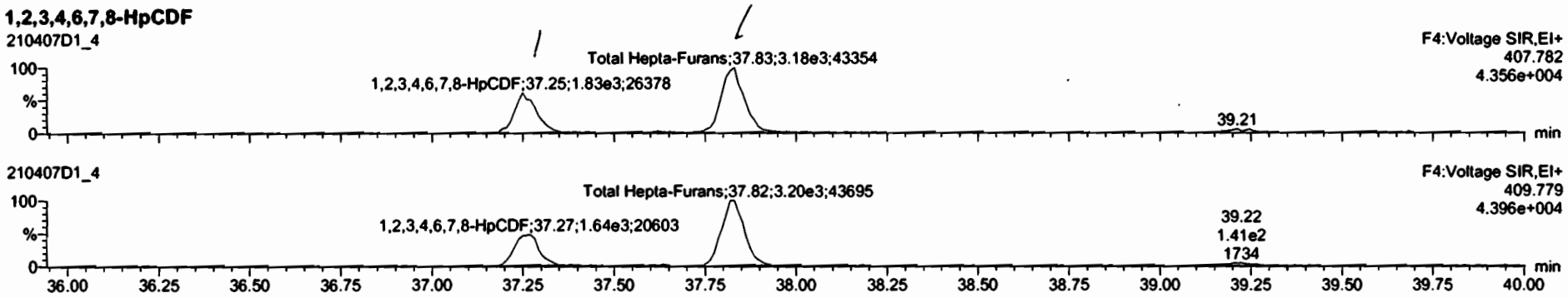


Dataset: Untitled

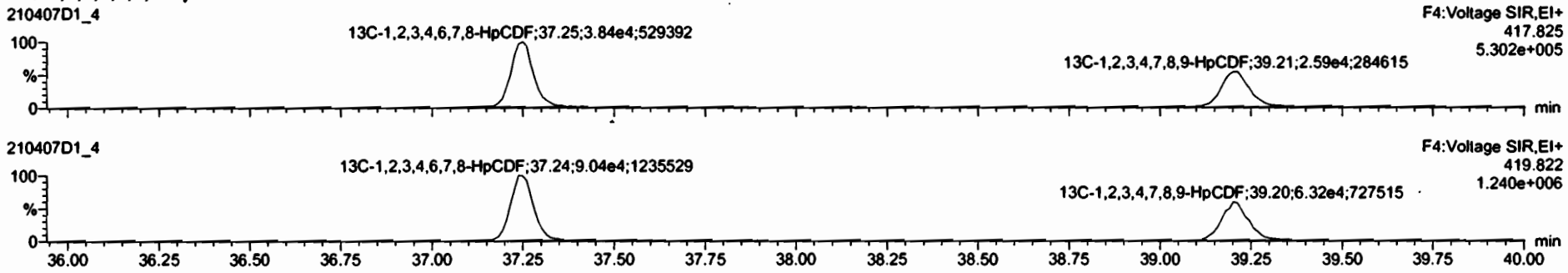
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_4, Date: 07-Apr-2021, Time: 11:05:32, ID: 2103216-09 USMPDI-060RAB-20-28.1-210317 12.72, Description: USMPDI-060RAB-20-28.1-210317

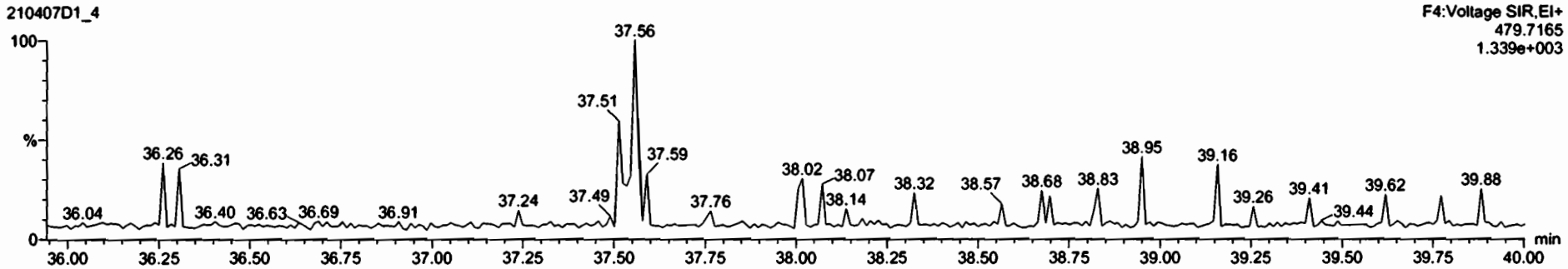
1,2,3,4,6,7,8-HpCDF



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



DPE4



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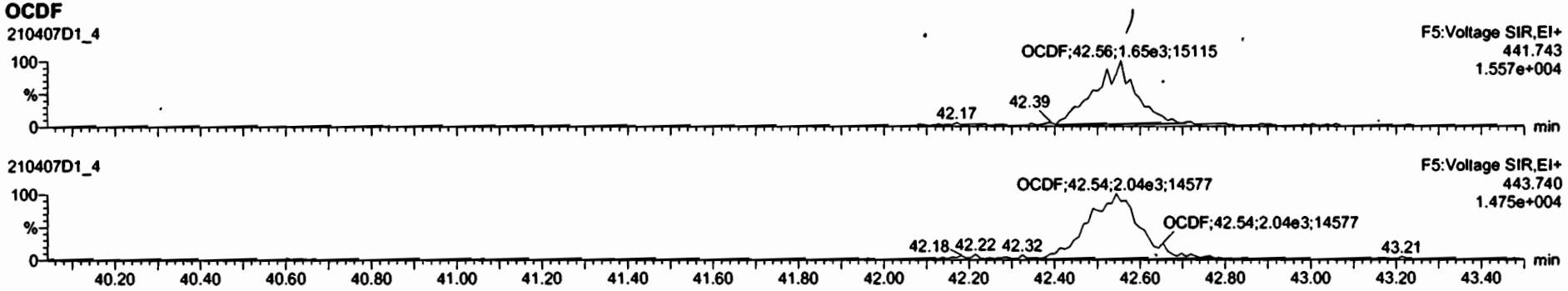
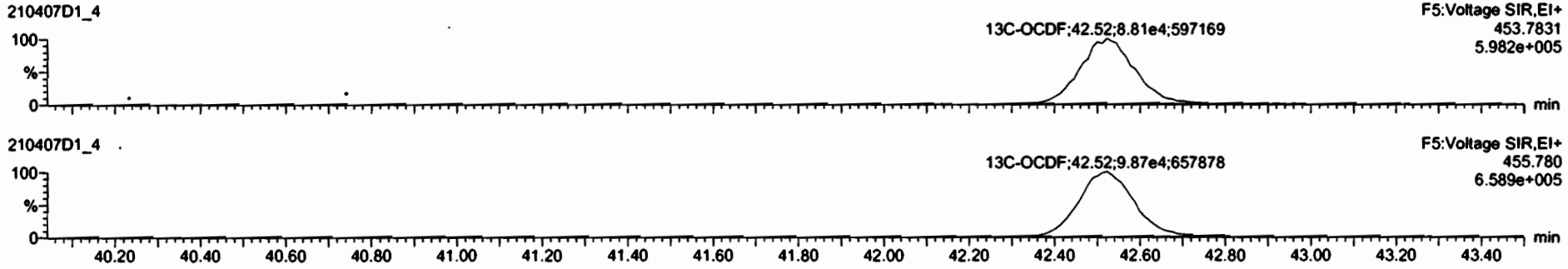
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_4, Date: 07-Apr-2021, Time: 11:05:32, ID: 2103216-09 USMPDI-060RAB-20-28.1-210317 12.72, Description: USMPDI-060RAB-20-28.1-210317

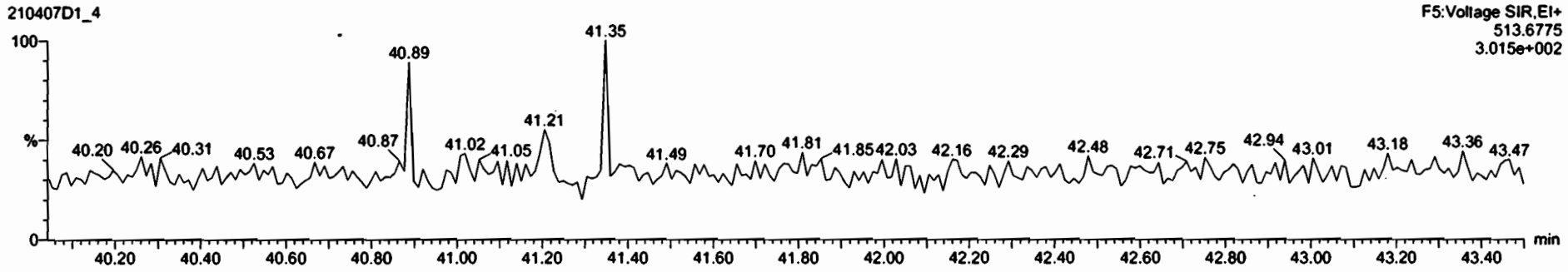
OCDF



13C-OCDF



DPE5

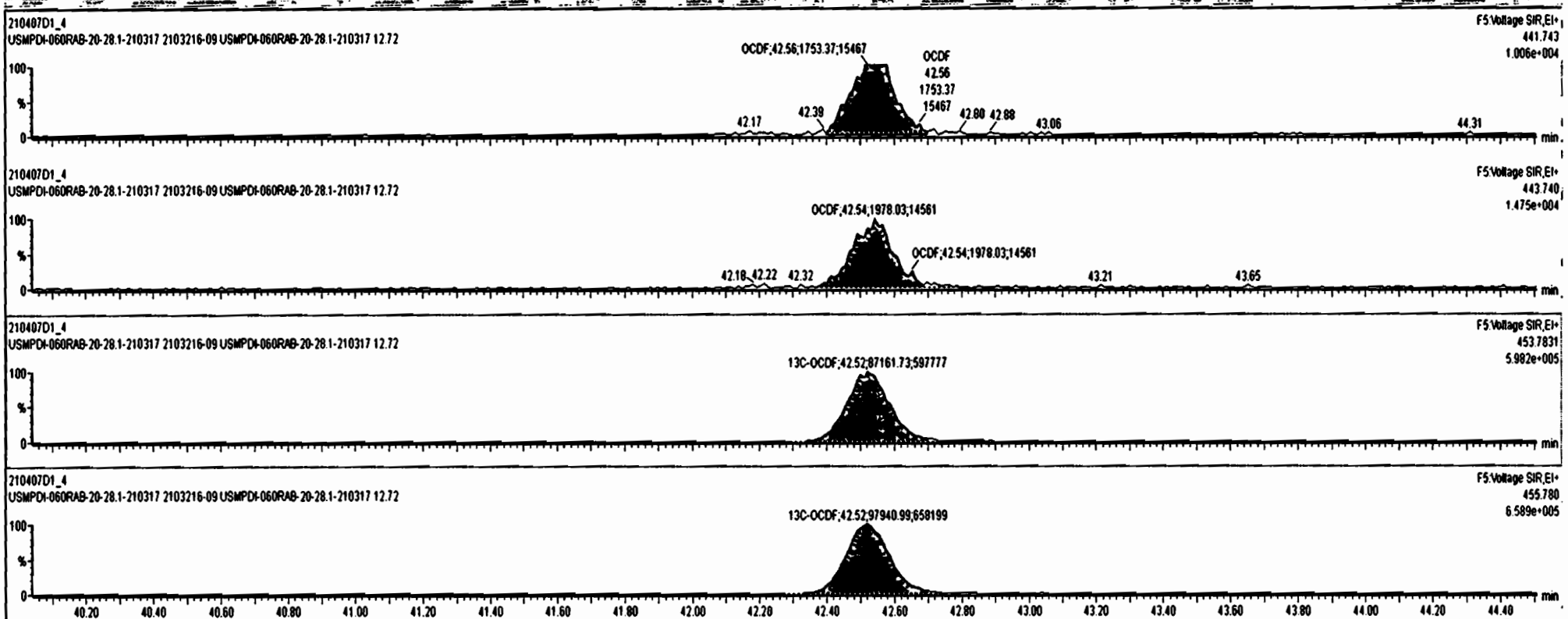


TargetLynx - 210407D1-4* - [Chromatogram]

File Edit View Display Processing Window Help

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
17	OCDF	3.73e3	0.89	NO	0.9310	10.220	42.56	1.001	8.47		0.890	8.47
18	13C-2,3,7,8-TCDD	1.18e5	0.80	NO	1.2026	10.220	27.06	1.025	121	62.0	0.367	
19	13C-1,2,3,7,8-PeCDD	9.75e4	0.60	NO	0.8637	10.220	31.21	1.182	140	71.4	0.337	
20	13C-1,2,3,4,7,8-HxCDD	8.67e4	1.28	NO	0.5997	10.220	34.69	1.015	164	83.6	1.07	

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



Ready

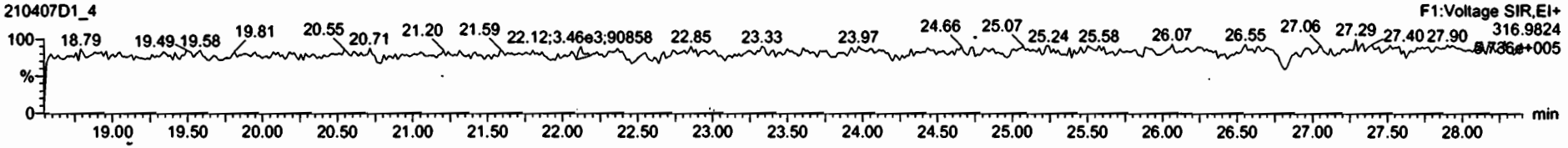
210407D1_4

Dataset: Untitled

Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_4, Date: 07-Apr-2021, Time: 11:05:32, ID: 2103216-09 USMPDI-060RAB-20-28.1-210317 12.72, Description: USMPDI-060RAB-20-28.1-210317

PFK1



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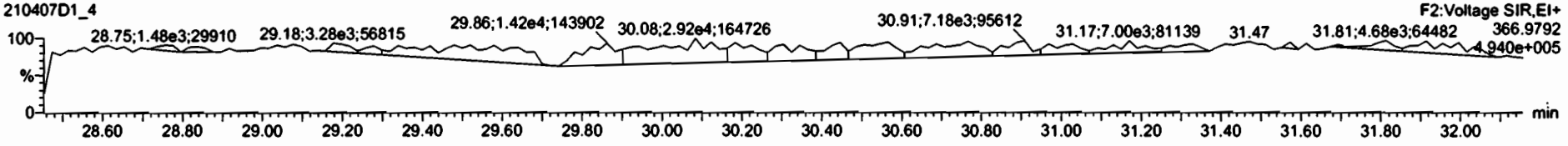

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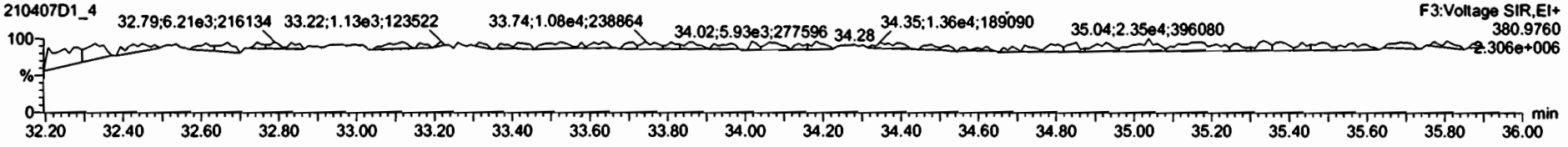
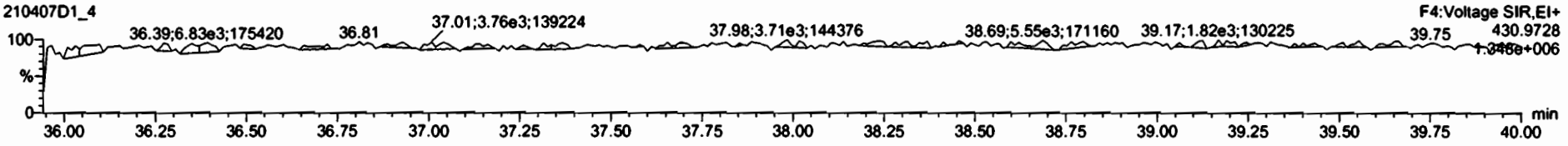


PFK4



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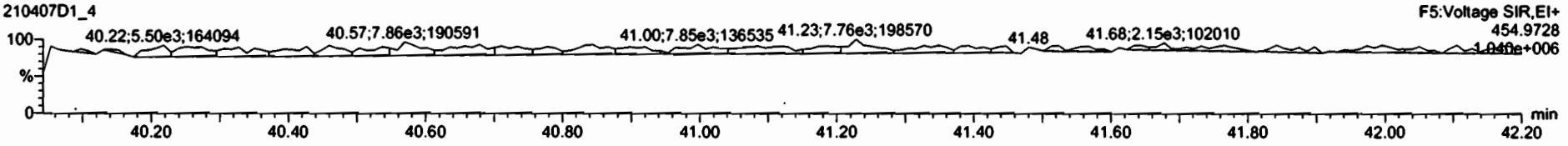

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-5.qld

Last Altered: Saturday, April 17, 2021 11:04:44 Pacific Daylight Time
Printed: Saturday, April 17, 2021 11:05:04 Pacific Daylight Time

HC 4.19.2021 CT 04/21/2021

Method: Untitled 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210407D1_5, Date: 07-Apr-2021, Time: 11:52:12, ID: 2103216-10 USMPDI-1060RAB-00-10-210317 11.68, Description: USMPDI-1060RAB-00-10-210317, Task: ST210407D1-1

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD			NO	0.998	10.275					0.0542	
2	1,2,3,7,8-PeCDD	1.31e2	0.87	YES	0.961	10.275	31.21	1.001	0.15025		0.122	0.131
3	1,2,3,4,7,8-HxCDD			NO	1.18	10.275					0.234	
4	1,2,3,6,7,8-HxCDD	7.05e2	1.49	YES	1.04	10.275	34.80	1.000	0.86367		0.253	0.778
5	1,2,3,7,8,9-HxCDD	2.51e2	1.51	YES	1.06	10.275	35.11	1.000	0.30436		0.260	0.271
6	1,2,3,4,6,7,8-HpCDD	1.57e4	1.06	NO	1.06	10.275	38.51	1.000	23.686		0.579	23.7
7	OCDD	8.88e4	0.89	NO	0.977	10.275	42.17	1.000	221.88		1.48	222
8	2,3,7,8-TCDF	6.13e2	0.79	NO	0.989	10.275	26.49	1.001	0.34434		0.0986	0.344
9	1,2,3,7,8-PeCDF	5.76e2	1.58	NO	1.02	10.275	30.08	1.001	0.40234		0.0959	0.402
10	2,3,4,7,8-PeCDF	1.52e3	1.51	NO	1.17	10.275	31.05	1.001	0.96512		0.0784	0.965
11	1,2,3,4,7,8-HxCDF	1.18e3	1.30	NO	1.14	10.275	33.69	1.000	0.94244		0.140	0.942
12	1,2,3,6,7,8-HxCDF	7.36e2	1.41	NO	1.04	10.275	33.84	1.001	0.56868		0.145	0.569
13	2,3,4,6,7,8-HxCDF	7.60e2	1.22	NO	1.13	10.275	34.58	1.001	0.64046		0.170	0.640
14	1,2,3,7,8,9-HxCDF			NO	1.07	10.275					0.206	
15	1,2,3,4,6,7,8-HpCDF	6.19e3	0.99	NO	1.11	10.275	37.28	1.001	6.5283		0.153	6.53
16	1,2,3,4,7,8,9-HpCDF	2.96e2	1.13	NO	1.32	10.275	39.23	1.000	0.35362		0.221	0.354
17	OCDF	5.92e3	0.88	NO	0.931	10.275	42.53	1.001	10.695		0.579	10.7
18	13C-2,3,7,8-TCDD	2.49e5	0.75	NO	1.20	10.275	27.06	1.025	212.09	109	0.371	
19	13C-1,2,3,7,8-PeCDD	1.76e5	0.61	NO	0.864	10.275	31.19	1.181	208.64	107	0.404	
20	13C-1,2,3,4,7,8-HxCDD	1.39e5	1.28	NO	0.600	10.275	34.65	1.014	230.10	118	0.651	
21	13C-1,2,3,6,7,8-HxCDD	1.53e5	1.28	NO	0.674	10.275	34.80	1.019	225.30	116	0.579	
22	13C-1,2,3,7,8,9-HxCDD	1.52e5	1.31	NO	0.679	10.275	35.10	1.028	222.46	114	0.575	
23	13C-1,2,3,4,6,7,8-HpCDD	1.22e5	1.11	NO	0.558	10.275	38.50	1.127	217.18	112	1.06	
24	13C-OCDD	1.59e5	0.93	NO	0.496	10.275	42.16	1.234	319.76	82.1	0.708	
25	13C-2,3,7,8-TCDF	3.50e5	0.78	NO	1.03	10.275	26.48	1.003	222.55	114	0.315	
26	13C-1,2,3,7,8-PeCDF	2.72e5	1.59	NO	0.805	10.275	30.06	1.139	220.35	113	0.511	
27	13C-2,3,4,7,8-PeCDF	2.61e5	1.63	NO	0.748	10.275	31.03	1.175	226.93	117	0.550	
28	13C-1,2,3,4,7,8-HxCDF	2.14e5	0.51	NO	0.968	10.275	33.68	0.986	219.79	113	0.844	
29	13C-1,2,3,6,7,8-HxCDF	2.42e5	0.49	NO	1.08	10.275	33.82	0.990	221.69	114	0.753	
30	13C-2,3,4,6,7,8-HxCDF	2.05e5	0.54	NO	0.960	10.275	34.54	1.011	212.13	109	0.851	

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-5.qld

Last Altered: Saturday, April 17, 2021 11:04:44 Pacific Daylight Time
Printed: Saturday, April 17, 2021 11:05:04 Pacific Daylight Time

Name: 210407D1_5, Date: 07-Apr-2021, Time: 11:52:12, ID: 2103216-10 USMPDI-1060RAB-00-10-210317 11.68, Description: USMPDI-1060RAB-00-10-210317, Task: ST210407D1-1

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	1.92e5	0.50	NO	0.869	10.275	35.65	1.044	220.07	113	0.940	
32	13C-1,2,3,4,6,7,8-HpCDF	1.65e5	0.42	NO	0.794	10.275	37.26	1.091	207.32	107	1.01	
33	13C-1,2,3,4,7,8,9-HpCDF	1.24e5	0.42	NO	0.586	10.275	39.22	1.148	210.49	108	1.36	
34	13C-OCDF	2.31e5	0.88	NO	0.711	10.275	42.51	1.245	323.69	83.1	0.610	
35	37Cl-2,3,7,8-TCDD	9.22e4			1.11	10.275	27.07	1.025	85.254	109	0.0526	
36	13C-1,2,3,4-TCDD	1.90e5	0.79	NO	1.00	10.275	26.40	1.000	194.65	100	0.446	
37	13C-1,2,3,4-TCDF	2.99e5	0.78	NO	1.00	10.275	25.19	1.000	194.65	100	0.323	
38	13C-1,2,3,4,6,9-HxCDF	1.96e5	0.50	NO	1.00	10.275	34.16	1.000	194.65	100	0.817	
39	Total Tetra-Dioxins				0.998	10.275			0.60959		0.0542	0.899
40	Total Penta-Dioxins				0.961	10.275			0.87614		0.122	1.82
41	Total Hexa-Dioxins				1.04	10.275			6.7953		0.261	7.84
42	Total Hepta-Dioxins				1.06	10.275			53.673		0.579	53.7
43	Total Tetra-Furans				0.989	10.275			4.5306		0.0986	7.56
44	1st Func. Penta-Furans				1.02	10.275			3.5353		0.0226	3.54
45	Total Penta-Furans				1.02	10.275			6.5306		0.0930	6.66
46	Total Hexa-Furans				1.13	10.275			11.189 + 0.21714		0.159	11.2
47	Total Hepta-Furans				1.11	10.275			17.491		0.199	17.5

11.406 * see extra blow up

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-5.qld

Last Altered: Saturday, April 17, 2021 11:04:44 Pacific Daylight Time
Printed: Saturday, April 17, 2021 11:05:04 Pacific Daylight Time

Method: Untitled 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210407D1_5, Date: 07-Apr-2021, Time: 11:52:12, ID: 2103216-10 USMPDI-1060RAB-00-10-210317 11.68, Description: USMPDI-1060RAB-00-10-210317, Task: ST210407D1-1

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Tetra-Dioxins	23.99	1.845e3	2.543e3	1.285e2	1.913e2	0.67	NO	3.198e2	0.25046	0.25046	0.0542
2	Total Tetra-Dioxins	24.25	1.757e3	2.127e3	9.730e1	9.026e1	1.08	YES	0.000e0	0.00000	0.12512	0.0542
3	Total Tetra-Dioxins	24.66	6.540e2	9.070e2	2.898e1	3.523e1	0.82	NO	6.421e1	0.050292	0.050292	0.0542
4	Total Tetra-Dioxins	25.35	1.398e3	1.274e3	1.044e2	7.318e1	1.43	YES	0.000e0	0.00000	0.10145	0.0542
5	Total Tetra-Dioxins	25.51	9.050e2	1.433e3	7.825e1	1.102e2	0.71	NO	1.884e2	0.14757	0.14757	0.0542
6	Total Tetra-Dioxins	25.68	1.206e3	1.597e3	6.514e1	7.664e1	0.85	NO	1.418e2	0.11104	0.11104	0.0542
7	Total Tetra-Dioxins	25.84	5.240e2	8.330e2	2.763e1	3.650e1	0.76	NO	6.413e1	0.050225	0.050225	0.0542
8	Total Tetra-Dioxins	26.19	6.580e2	7.750e2	4.513e1	4.548e1	0.99	YES	0.000e0	0.00000	0.063047	0.0542

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Penta-Dioxins	29.18	2.673e3	4.830e3	1.753e2	3.077e2	0.57	NO	4.830e2	0.55562	0.55562	0.122
2	Total Penta-Dioxins	29.62	1.267e3	2.052e3	6.671e1	9.051e1	0.74	YES	0.000e0	0.00000	0.16972	0.122
3	Total Penta-Dioxins	29.72	7.920e2	2.668e3	6.018e1	1.816e2	0.33	YES	0.000e0	0.00000	0.17914	0.122
4	Total Penta-Dioxins	30.24	1.581e3	1.728e3	1.147e2	1.639e2	0.70	NO	2.786e2	0.32051	0.32051	0.122
5	Total Penta-Dioxins	30.49	1.342e3	2.220e3	9.504e1	1.294e2	0.73	YES	0.000e0	0.00000	0.24274	0.122
6	Total Penta-Dioxins	30.77	6.440e2	1.030e3	5.359e1	4.809e1	1.11	YES	0.000e0	0.00000	0.090186	0.122
7	1,2,3,7,8-PeCDD	31.21	1.228e3	1.356e3	6.070e1	6.990e1	0.87	YES	1.306e2	0.00000	0.13108	0.122
8	Total Penta-Dioxins	31.29	1.127e3	6.420e2	4.354e1	2.590e1	1.68	YES	0.000e0	0.00000	0.048560	0.122
9	Total Penta-Dioxins	31.57	1.051e3	8.480e2	5.838e1	4.645e1	1.26	YES	0.000e0	0.00000	0.087102	0.122

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-5.qld

Last Altered: Saturday, April 17, 2021 11:04:44 Pacific Daylight Time
Printed: Saturday, April 17, 2021 11:05:04 Pacific Daylight Time

Name: 210407D1_5, Date: 07-Apr-2021, Time: 11:52:12, ID: 2103216-10 USMPDI-1060RAB-00-10-210317 11.68, Description: USMPDI-1060RAB-00-10-210317, Task: ST210407D1-1

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hexa-Dioxins	32.89	2.013e4	1.600e4	1.184e3	9.749e2	1.21	NO	2.159e3	2.7347	2.7347	0.261
2	Total Hexa-Dioxins	33.52	5.663e3	4.832e3	3.739e2	3.139e2	1.19	NO	6.877e2	0.87100	0.87100	0.261
3	Total Hexa-Dioxins	33.83	1.821e4	1.369e4	1.473e3	1.046e3	1.41	NO	2.518e3	3.1896	3.1896	0.261
4	1,2,3,6,7,8-HxCDD	34.80	5.628e3	4.917e3	4.212e2	2.835e2	1.49	YES	7.047e2	0.00000	0.77832	0.253
5	1,2,3,7,8,9-HxCDD	35.11	1.882e3	1.541e3	1.514e2	9.999e1	1.51	YES	2.514e2	0.00000	0.27115	0.260

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hepta-Dioxins	37.57	1.148e5	1.104e5	9.987e3	9.911e3	1.01	NO	1.990e4	29.986	29.986	0.579
2	1,2,3,4,6,7,8-HpCDD	38.51	8.572e4	8.243e4	8.105e3	7.612e3	1.06	NO	1.572e4	23.686	23.686	0.579

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-5.qld

Last Altered: Saturday, April 17, 2021 11:04:44 Pacific Daylight Time
Printed: Saturday, April 17, 2021 11:05:04 Pacific Daylight Time

Name: 210407D1_5, Date: 07-Apr-2021, Time: 11:52:12, ID: 2103216-10 USMPDI-1060RAB-00-10-210317 11.68, Description: USMPDI-1060RAB-00-10-210317, Task: ST210407D1-1

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Tetra-Furans	22.15	1.587e3	2.684e3	1.200e2	2.103e2	0.57	YES	0.000e0	0.00000	0.15482	0.0986
2	Total Tetra-Furans	22.66	3.041e3	3.981e3	2.101e2	2.812e2	0.75	NO	4.913e2	0.27583	0.27583	0.0986
3	Total Tetra-Furans	23.33	7.227e3	1.038e4	5.272e2	7.271e2	0.73	NO	1.254e3	0.70423	0.70423	0.0986
4	Total Tetra-Furans	23.59	3.572e3	4.086e3	4.076e2	4.778e2	0.85	NO	8.854e2	0.49708	0.49708	0.0986
5	Total Tetra-Furans	23.68	3.568e3	4.778e3	3.723e2	4.857e2	0.77	NO	8.580e2	0.48168	0.48168	0.0986
6	Total Tetra-Furans	24.06	3.894e3	4.065e3	4.150e2	5.123e2	0.81	NO	9.274e2	0.52064	0.52064	0.0986
7	Total Tetra-Furans	24.37	4.894e3	6.601e3	3.179e2	3.871e2	0.82	NO	7.050e2	0.39578	0.39578	0.0986
8	Total Tetra-Furans	24.49	2.821e3	3.242e3	1.869e2	1.781e2	1.05	YES	0.000e0	0.00000	0.17697	0.0986
9	Total Tetra-Furans	24.67	2.343e3	3.212e3	1.479e2	1.679e2	0.88	NO	3.158e2	0.17728	0.17728	0.0986
10	Total Tetra-Furans	25.01	2.161e3	2.844e3	1.152e2	1.723e2	0.67	NO	0.000e0	0.00000	0.16146	0.0986
11	Total Tetra-Furans	25.07	3.950e3	5.913e3	2.665e2	3.512e2	0.76	NO	0.000e0	0.00000	0.34681	0.0986
12	Total Tetra-Furans	25.23	3.931e3	6.239e3	1.931e2	3.074e2	0.63	YES	0.000e0	0.00000	0.24919	0.0986
13	Total Tetra-Furans	25.32	6.234e3	8.602e3	6.262e2	7.931e2	0.79	NO	0.000e0	0.00000	0.79688	0.0986
14	Total Tetra-Furans	25.67	3.929e3	4.488e3	2.261e2	3.464e2	0.65	YES	0.000e0	0.00000	0.29183	0.0986
15	Total Tetra-Furans	25.91	2.757e3	4.355e3	1.497e2	1.997e2	0.75	NO	3.494e2	0.19615	0.19615	0.0986
16	Total Tetra-Furans	26.00	6.005e3	7.923e3	3.056e2	4.129e2	0.74	NO	0.000e0	0.00000	0.40335	0.0986
17	Total Tetra-Furans	26.25	2.835e3	3.602e3	1.682e2	2.018e2	0.83	NO	3.700e2	0.20773	0.20773	0.0986
18	Total Tetra-Furans	26.39	4.411e3	4.803e3	2.051e2	2.206e2	0.93	YES	0.000e0	0.00000	0.21922	0.0986
19	2,3,7,8-TCDF	26.49	4.624e3	5.732e3	2.709e2	3.425e2	0.79	NO	6.133e2	0.34434	0.34434	0.0986
20	Total Tetra-Furans	26.69	5.954e3	7.675e3	5.467e2	7.534e2	0.73	NO	1.300e3	0.72987	0.72987	0.0986
21	Total Tetra-Furans	27.61	2.194e3	2.857e3	1.038e2	1.628e2	0.64	YES	0.000e0	0.00000	0.13401	0.0986
22	Total Tetra-Furans	27.76	1.636e3	2.242e3	6.986e1	1.081e2	0.65	YES	0.000e0	0.00000	0.090157	0.0986

Penta-Furans function 1

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	1st Func. Penta-Furans	27.76	4.749e4	3.444e4	2.976e3	1.972e3	1.51	NO	4.948e3	3.5353	3.5353	0.0226

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-5.qld

Last Altered: Saturday, April 17, 2021 11:04:44 Pacific Daylight Time
Printed: Saturday, April 17, 2021 11:05:04 Pacific Daylight Time

Name: 210407D1_5, Date: 07-Apr-2021, Time: 11:52:12, ID: 2103216-10 USMPDI-1060RAB-00-10-210317 11.68, Description: USMPDI-1060RAB-00-10-210317, Task: ST210407D1-1

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Penta-Furans	29.06	1.042e4	6.682e3	6.988e2	4.698e2	1.49	NO	1.169e3	0.83505	0.83505	0.0930
2	Total Penta-Furans	29.20	2.194e4	1.283e4	1.656e3	1.014e3	1.63	NO	2.670e3	1.9076	1.9076	0.0930
3	Total Penta-Furans	29.62	3.728e3	2.701e3	1.894e2	1.215e2	1.56	NO	3.109e2	0.22216	0.22216	0.0930
4	Total Penta-Furans	29.76	8.909e3	6.679e3	7.119e2	4.815e2	1.48	NO	1.193e3	0.85270	0.85270	0.0930
5	Total Penta-Furans	29.90	2.937e3	1.022e3	1.619e2	7.282e1	2.22	YES	0.000e0	0.00000	0.13269	0.0930
6	1,2,3,7,8-PeCDF	30.08	6.983e3	4.798e3	3.524e2	2.231e2	1.58	NO	5.755e2	0.40234	0.40234	0.0959
7	Total Penta-Furans	30.30	1.085e4	7.291e3	6.800e2	4.287e2	1.59	NO	1.109e3	0.79217	0.79217	0.0930
8	Total Penta-Furans	30.89	8.293e3	6.097e3	4.646e2	3.099e2	1.50	NO	7.745e2	0.55341	0.55341	0.0930
9	2,3,4,7,8-PeCDF	31.05	1.672e4	1.176e4	9.134e2	6.035e2	1.51	NO	1.517e3	0.96512	0.96512	0.0784

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hexa-Furans	32.33	1.151e4	1.133e4	7.213e2	5.722e2	1.26	NO	1.293e3	1.0469	1.0469	0.159
2	Total Hexa-Furans	32.50	3.674e4	3.310e4	2.319e3	1.817e3	1.28	NO	4.136e3	3.3472	3.3472	0.159
3	Total Hexa-Furans	33.18	4.076e4	3.102e4	2.590e3	2.143e3	1.21	NO	4.733e3	3.8310	3.8310	0.159
4	Total Hexa-Furans	33.57	7.527e3	5.807e3	4.040e2	3.432e2	1.18	NO	7.472e2	0.60471	0.60471	0.159
5	1,2,3,4,7,8-HxCDF	33.69	1.052e4	8.250e3	6.661e2	5.127e2	1.30	NO	1.179e3	0.94244	0.94244	0.140
6	1,2,3,6,7,8-HxCDF	33.84	7.090e3	4.608e3	4.310e2	3.049e2	1.41	NO	7.359e2	0.56868	0.56868	0.145
7	2,3,4,6,7,8-HxCDF	34.58	7.597e3	5.590e3	4.183e2	3.418e2	1.22	NO	7.601e2	0.64046	0.64046	0.170
8	Total Hexa-Furans	35.70	2.420e3	3.441e3	1.352e2	1.210e2	1.12	NO	2.562e2	0.20734	0.20734	0.159

Add total-hexa 34.60 — 0.21714

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	37.28	4.001e4	3.951e4	3.071e3	3.114e3	0.99	NO	6.185e3	6.5283	6.5283	0.153
2	Total Hepta-Furans	37.85	5.781e4	5.015e4	4.465e3	4.326e3	1.03	NO	8.791e3	10.609	10.609	0.199
3	1,2,3,4,7,8,9-HpCDF	39.23	2.207e3	2.603e3	1.569e2	1.393e2	1.13	NO	2.963e2	0.35362	0.35362	0.221

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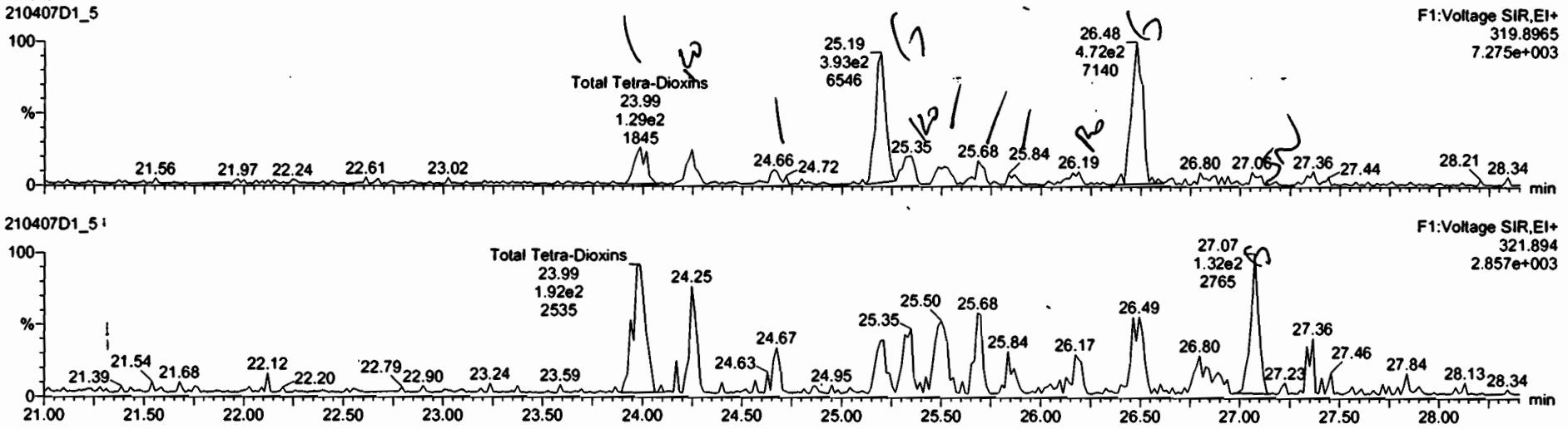
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_5, Date: 07-Apr-2021, Time: 11:52:12, ID: 2103216-10 USMPDI-1060RAB-00-10-210317 11.68, Description: USMPDI-1060RAB-00-10-210317

2,3,7,8-TCDD



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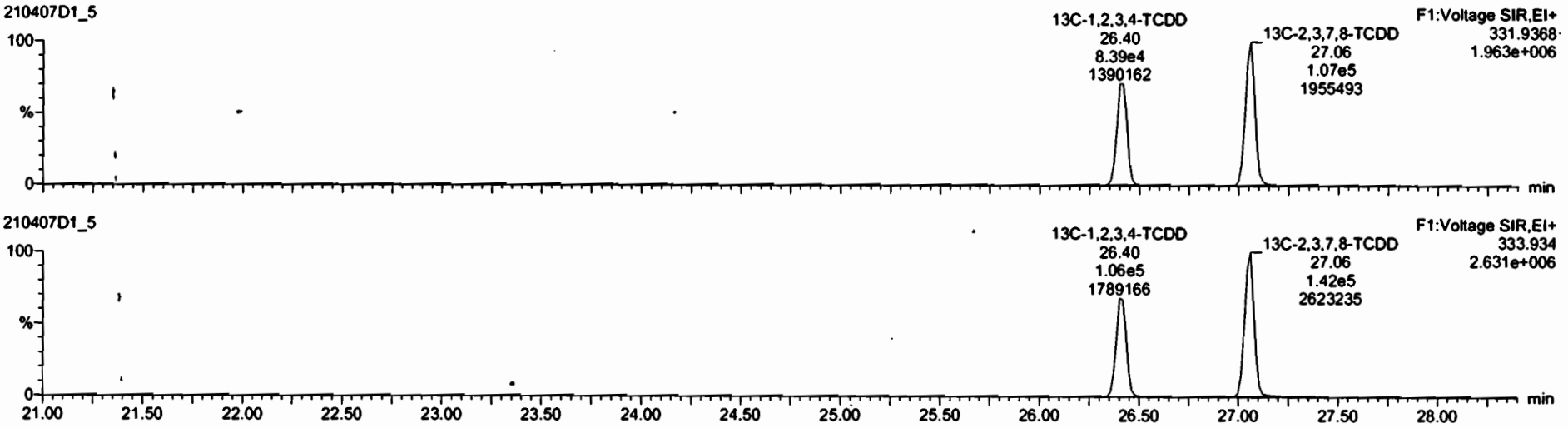

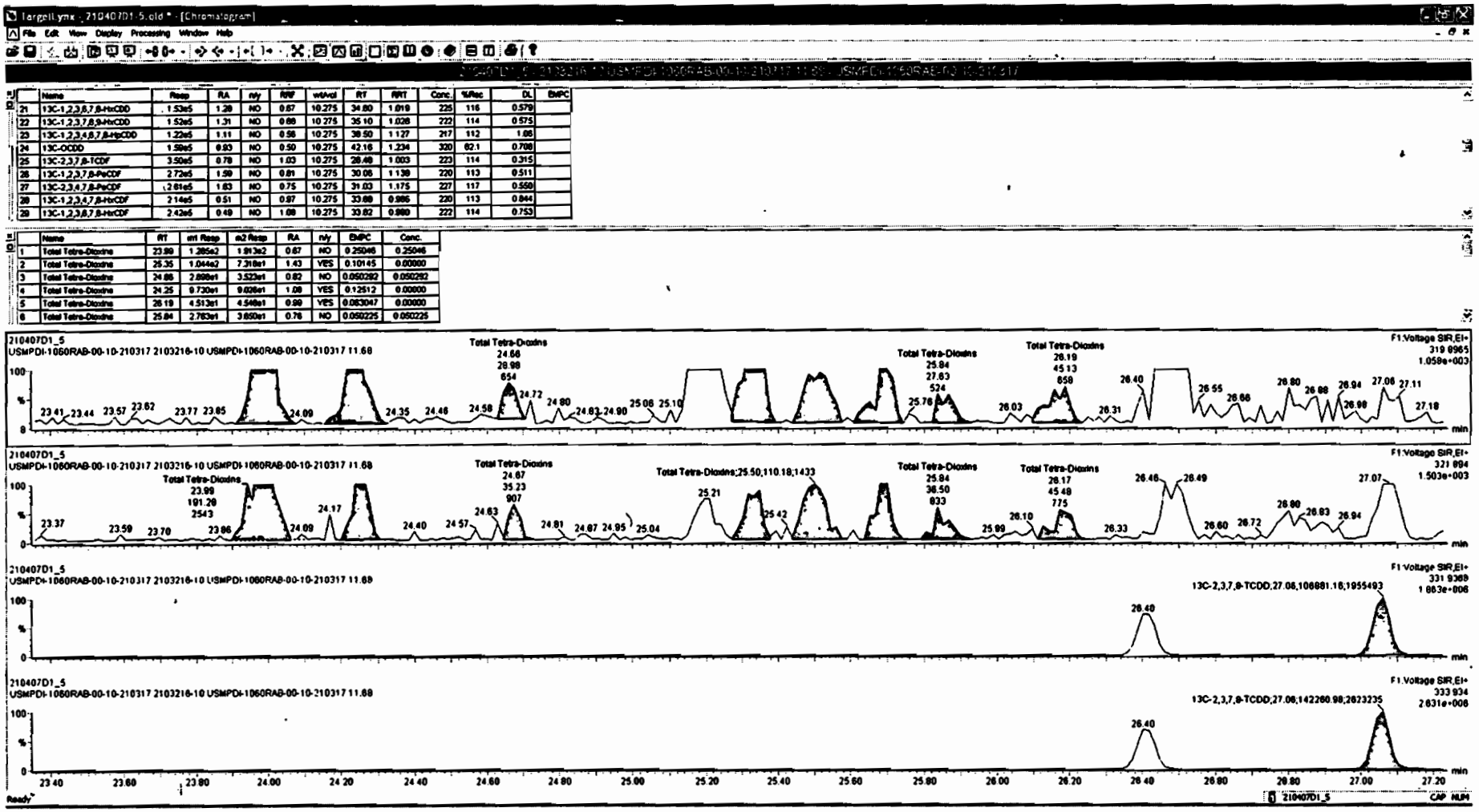
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Name Resp RA n/y RRF wtAvg RT RRT Conc. %Rec DL EMPC
13C-1,2,3,6,7,8-HxCDD 1.53e5 1.28 NO 0.67 10.275 34.80 1.019 225 116 0.579
13C-1,2,3,7,8,9-HxCDD 1.52e5 1.31 NO 0.68 10.275 35.10 1.028 222 114 0.575
13C-1,2,3,4,6,7,8-HpCDD 1.22e5 1.11 NO 0.56 10.275 38.50 1.127 217 112 1.06
13C-OCDD 1.58e5 0.83 NO 0.50 10.275 42.16 1.234 320 82.1 0.708
13C-2,3,7,8-TCDF 3.50e5 0.78 NO 1.03 10.275 28.48 1.003 223 114 0.315
13C-1,2,3,7,8-PeCDF 2.72e5 1.50 NO 0.81 10.275 30.06 1.139 220 113 0.511
13C-2,3,4,7,8-PeCDF 2.61e5 1.63 NO 0.75 10.275 31.03 1.175 227 117 0.550
13C-1,2,3,4,7,8-HxCDF 2.14e5 0.51 NO 0.97 10.275 33.88 0.986 220 113 0.844
13C-1,2,3,6,7,8-HxCDF 2.42e5 0.49 NO 1.08 10.275 33.82 0.980 222 114 0.753
Name RT m1 Resp m2 Resp RA n/y EMPC Conc.
Total Tetra-Dioxins 23.99 1.385e2 1.913e2 0.67 NO 0.25046 0.25046
Total Tetra-Dioxins 25.35 1.044e2 7.318e1 1.43 YES 0.10145 0.00000
Total Tetra-Dioxins 24.86 2.898e1 3.523e1 0.82 NO 0.050292 0.050292
Total Tetra-Dioxins 24.25 9.730e1 9.626e1 1.08 YES 0.12512 0.00000
Total Tetra-Dioxins 26.19 4.513e1 4.546e1 0.99 YES 0.083047 0.00000
Total Tetra-Dioxins 25.84 2.763e1 3.650e1 0.76 NO 0.050225 0.050225
210407D1_5
USMPDI-1060RAB-00-10-210317 2103216-10 USMPDI-1060RAB-00-10-210317 11.68
Total Tetra-Dioxins 24.66 28.98 654
Total Tetra-Dioxins 25.84 27.83 524
Total Tetra-Dioxins 26.19 45.13 658
F1:Voltage SIR,EI+ 319.9965 1.058e+003
Total Tetra-Dioxins 23.99 191.20 2543
Total Tetra-Dioxins 24.67 35.23 907
Total Tetra-Dioxins;25.50,110.19;1433
Total Tetra-Dioxins 25.84 38.50 833
Total Tetra-Dioxins 26.17 45.48 775
F1:Voltage SIR,EI+ 321.894 1.503e+003
F1:Voltage SIR,EI+ 331.9369 1.883e+006
13C-2,3,7,8-TCDD;27.08,106881.16,1955493
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210407D1_5
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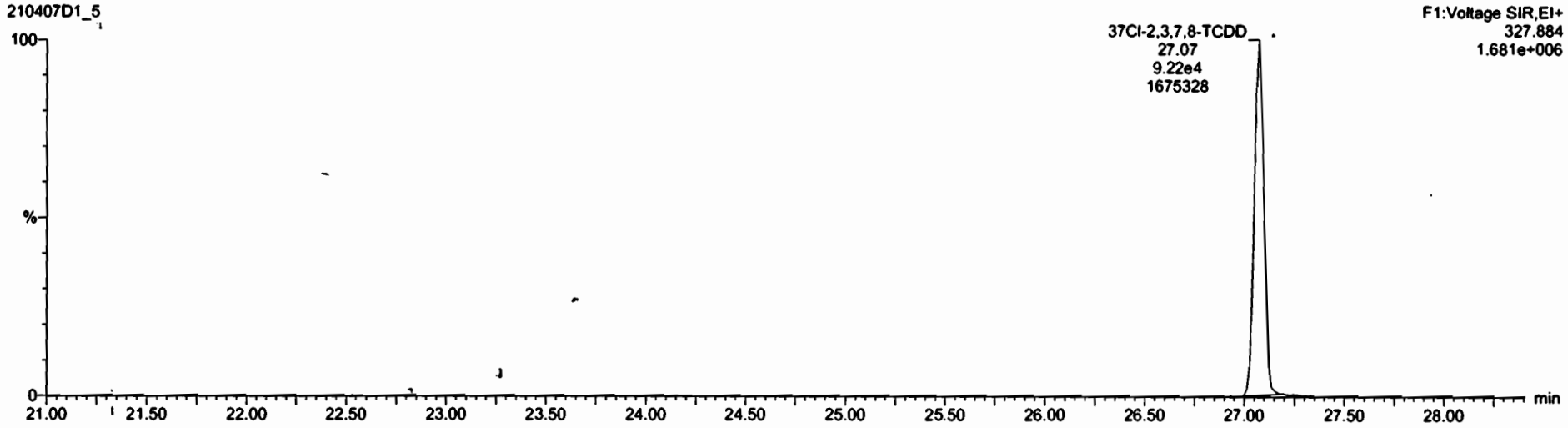
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_5, Date: 07-Apr-2021, Time: 11:52:12, ID: 2103216-10 USMPDI-1060RAB-00-10-210317 11.68, Description: USMPDI-1060RAB-00-10-210317

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



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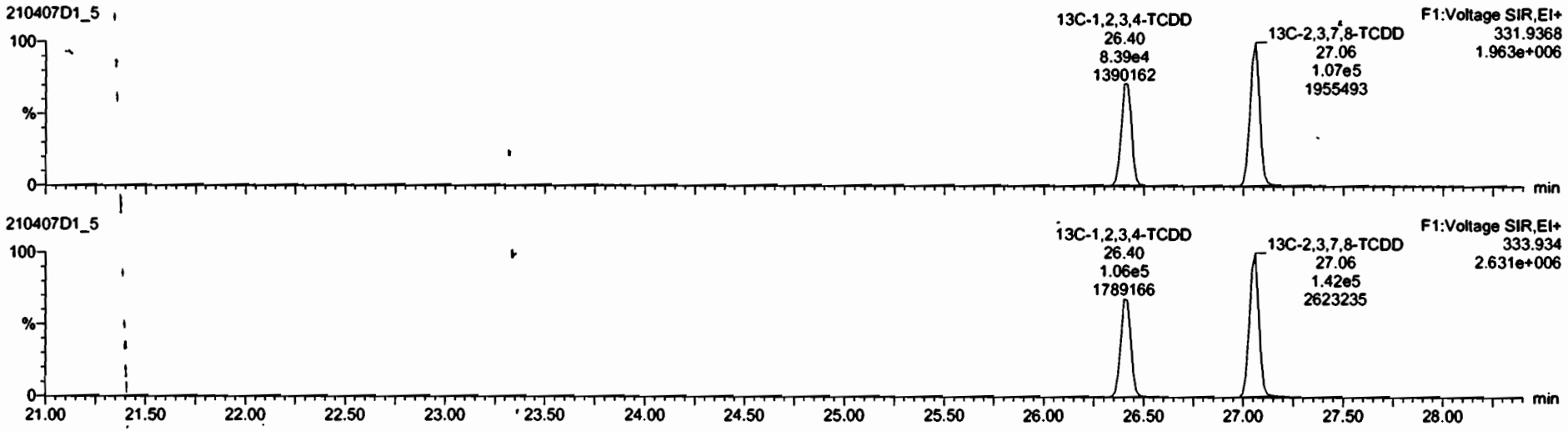

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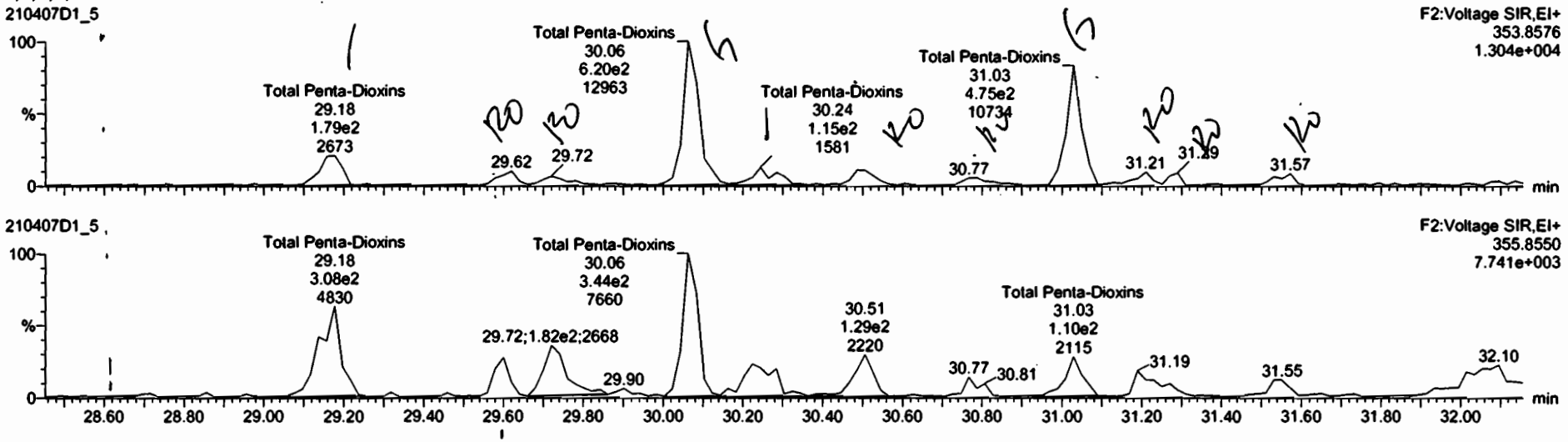
1,2,3,7,8-PeCDD



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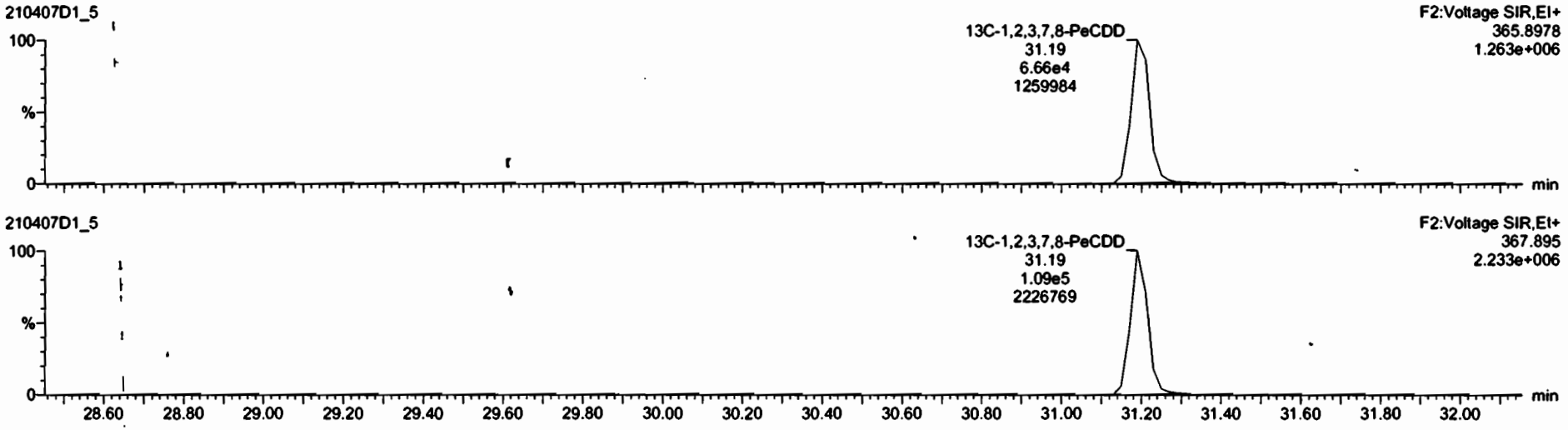

TargetLynx - 21040701_5.qld * - [Chromatogram]

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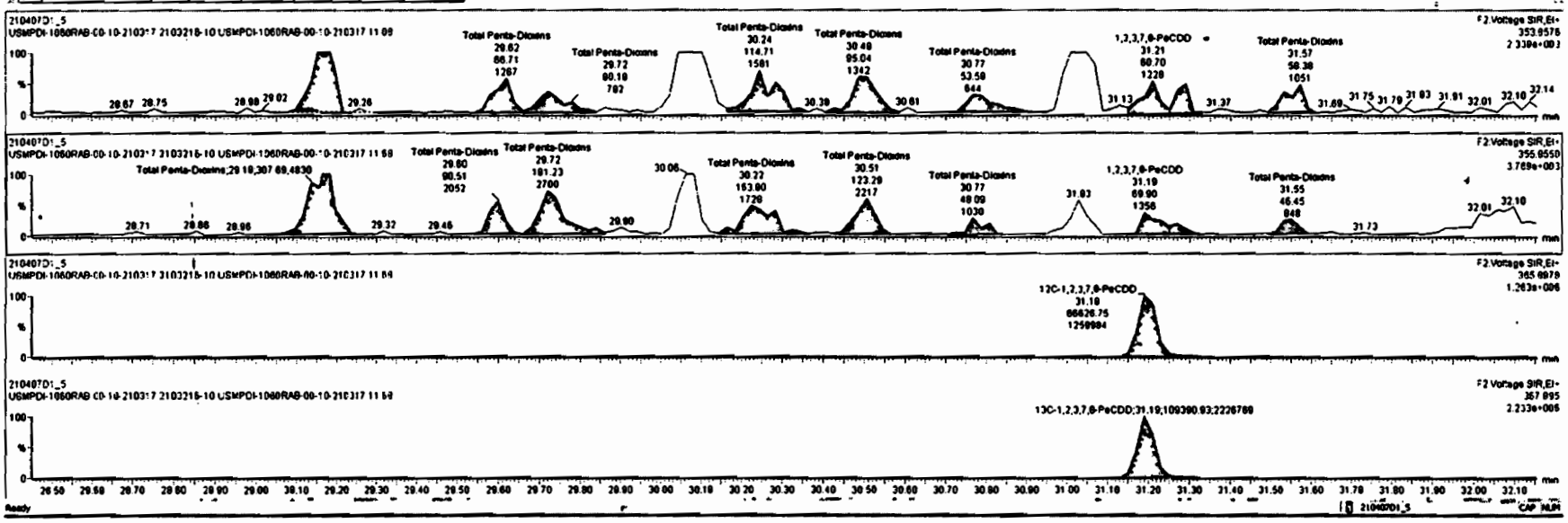
	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
26	13C-1,2,3,7,8-PeCDF	2.72e5	1.59	NO	0.81	10.275	30.08	1.139	220	113	0.511	
27	13C-2,3,4,7,8-PeCDF	2.61e5	1.63	NO	0.75	10.275	31.03	1.175	227	117	0.550	
28	13C-1,2,3,4,7,8-HxCDF	2.14e5	0.51	NO	0.97	10.275	33.88	0.986	220	113	0.844	
29	13C-1,2,3,6,7,8-HxCDF	2.42e5	0.49	NO	1.08	10.275	33.82	0.980	222	114	0.753	
30	13C-2,3,4,6,7,8-HxCDF	2.05e5	0.54	NO	0.96	10.275	34.54	1.011	212	109	0.851	
31	13C-1,2,3,7,8,9-HxCDF	1.92e5	0.50	NO	0.87	10.275	35.85	1.044	220	113	0.940	
32	13C-1,2,3,4,6,7,8-HxCDF	1.65e5	0.42	NO	0.79	10.275	37.28	1.091	207	107	1.01	
33	13C-1,2,3,4,7,8,9-HxCDF	1.24e5	0.42	NO	0.59	10.275	39.22	1.148	210	108	1.36	
34	13C-OCDF	2.31e5	0.88	NO	0.71	10.275	42.51	1.245	324	83.1	0.810	

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Penta-Dioxins	29.18	1.753e2	3.077e2	0.57	NO	0.55582	0.55582
2	Total Penta-Dioxins	29.62	6.671e1	9.051e1	0.74	YES	0.16872	0.00000
3	Total Penta-Dioxins	29.72	6.018e1	1.912e2	0.31	YES	0.17914	0.00000
4	Total Penta-Dioxins	30.24	1.147e2	1.639e2	0.70	NO	0.32051	0.32051
5	Total Penta-Dioxins	30.49	9.504e1	1.233e2	0.77	YES	0.23119	0.00000
6	Total Penta-Dioxins	30.77	5.359e1	4.808e1	1.11	YES	0.090166	0.00000



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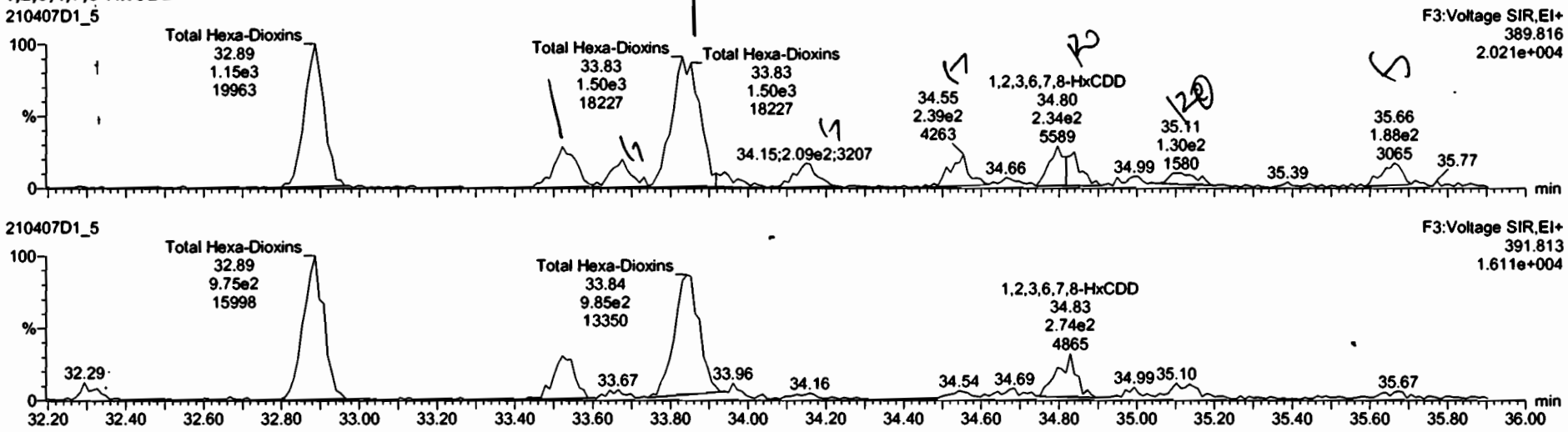
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_5, Date: 07-Apr-2021, Time: 11:52:12, ID: 2103216-10 USMPDI-1060RAB-00-10-210317 11.68, Description: USMPDI-1060RAB-00-10-210317

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



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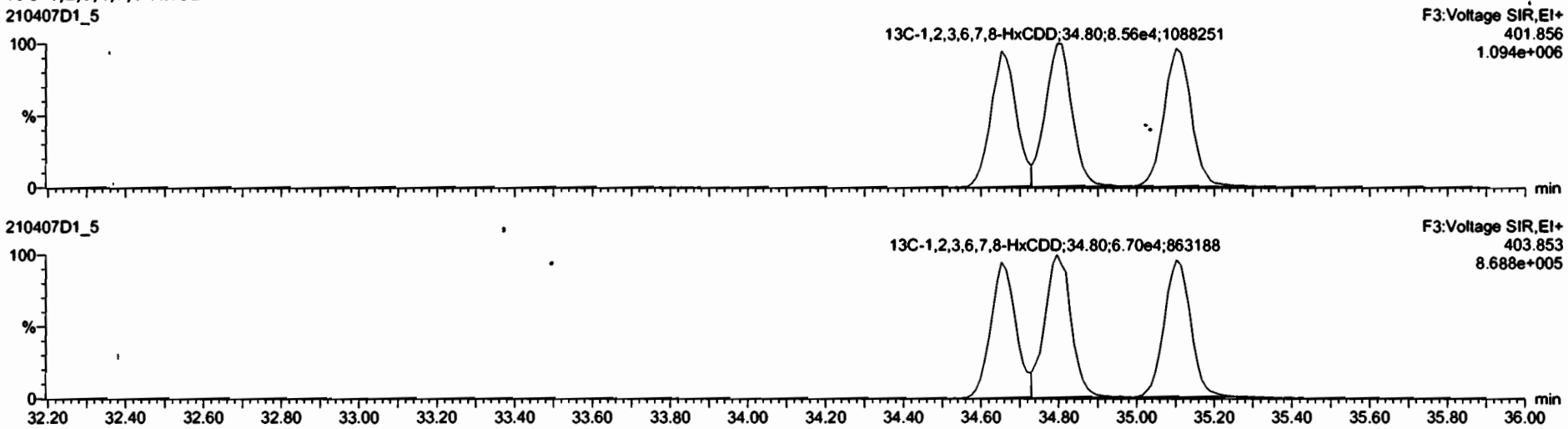
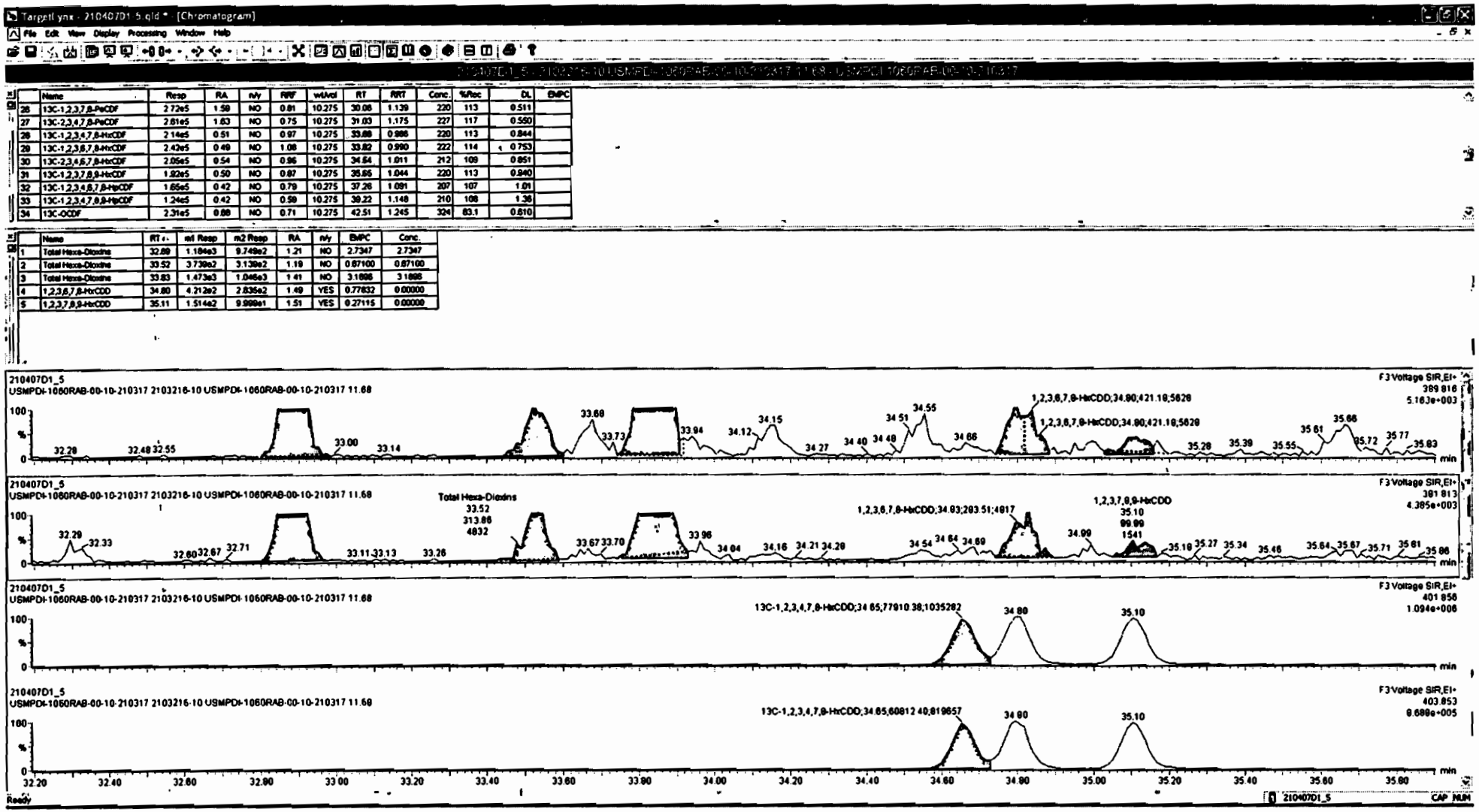




	Name	Resp	RA	n/y	RRF	wtAvg	RT	RRT	Conc.	%Rec	DL	EMPC
26	13C-1,2,3,7,8-PeCDF	2.72e5	1.59	NO	0.81	10.275	30.08	1.139	220	113	0.511	
27	13C-2,3,4,7,8-PeCDF	2.61e5	1.63	NO	0.75	10.275	31.03	1.175	227	117	0.550	
28	13C-1,2,3,4,7,8-HxCDF	2.14e5	0.51	NO	0.97	10.275	33.88	0.986	220	113	0.844	
29	13C-1,2,3,6,7,8-HxCDF	2.42e5	0.49	NO	1.08	10.275	33.82	0.990	222	114	0.753	
30	13C-2,3,4,6,7,8-HxCDF	2.05e5	0.54	NO	0.96	10.275	34.64	1.011	212	109	0.851	
31	13C-1,2,3,7,8,9-HxCDF	1.92e5	0.50	NO	0.87	10.275	35.85	1.044	220	113	0.940	
32	13C-1,2,3,4,6,7,8-HpCDF	1.65e5	0.42	NO	0.79	10.275	37.26	1.091	207	107	1.01	
33	13C-1,2,3,4,7,8,9-HpCDF	1.24e5	0.42	NO	0.59	10.275	39.22	1.148	210	108	1.36	
34	13C-OCDF	2.31e5	0.88	NO	0.71	10.275	42.51	1.245	324	83.1	0.610	

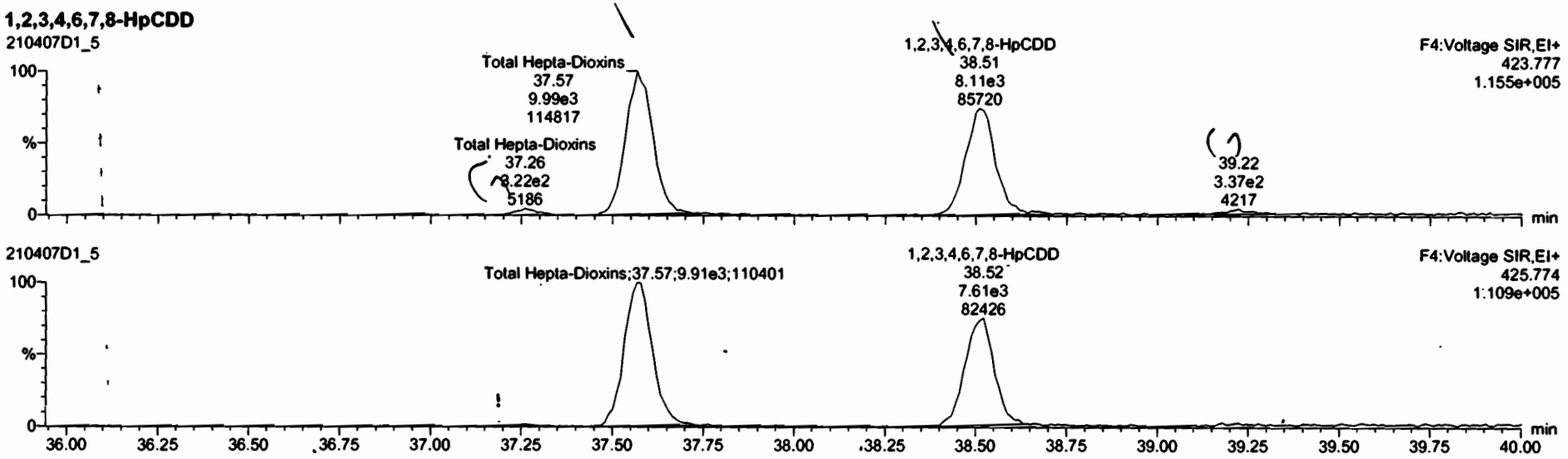
	Name	RT	wt Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Hexa-Dioxins	32.89	1.184e3	9.749e2	1.21	NO	2.7347	2.7347
2	Total Hexa-Dioxins	33.52	3.739e2	3.139e2	1.19	NO	0.87100	0.87100
3	Total Hexa-Dioxins	33.83	1.473e3	1.046e3	1.41	NO	3.1886	3.1886
4	1,2,3,6,7,8-HxCDD	34.80	4.212e2	2.836e2	1.49	YES	0.77832	0.00000
5	1,2,3,7,8,9-HxCDD	35.11	1.514e2	9.999e1	1.51	YES	0.27115	0.00000

Dataset: Untitled

Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_5, Date: 07-Apr-2021, Time: 11:52:12, ID: 2103216-10 USMPDI-1060RAB-00-10-210317 11.68, Description: USMPDI-1060RAB-00-10-210317

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



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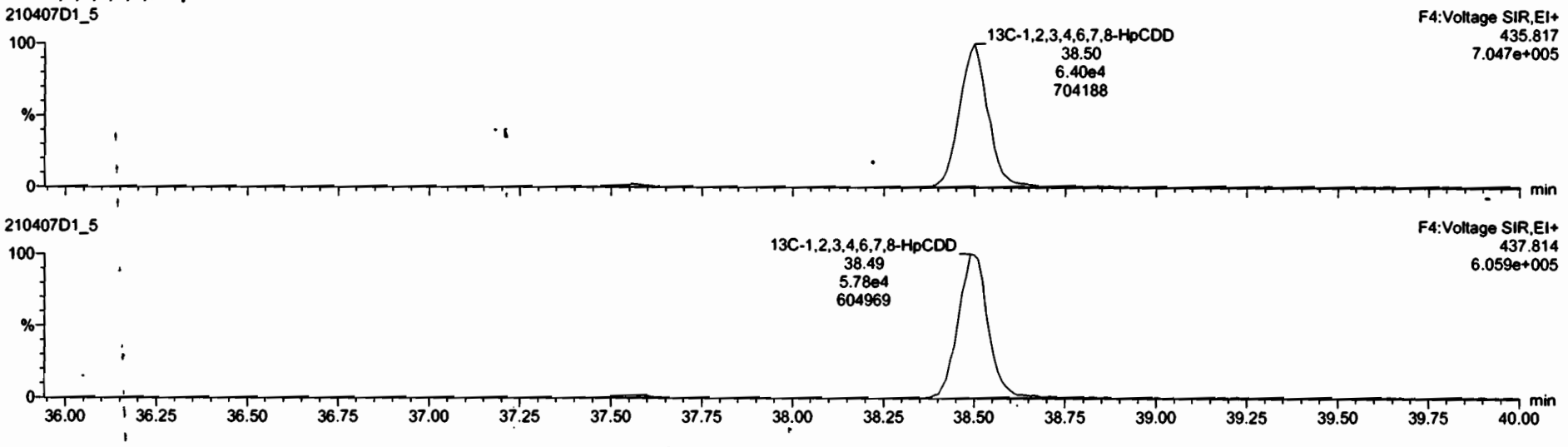

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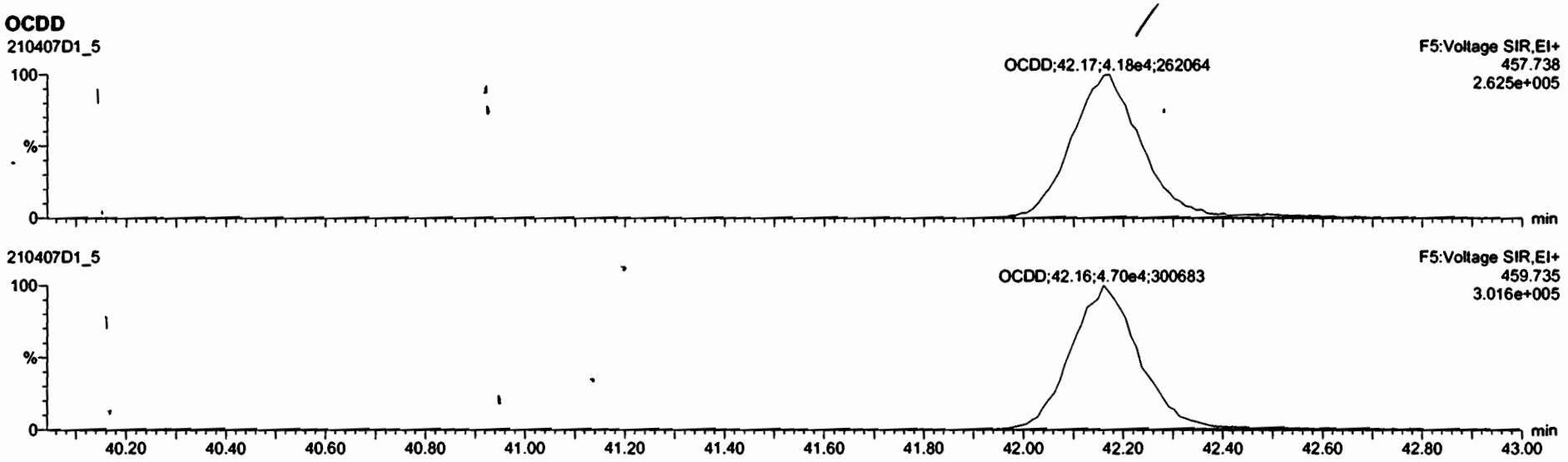
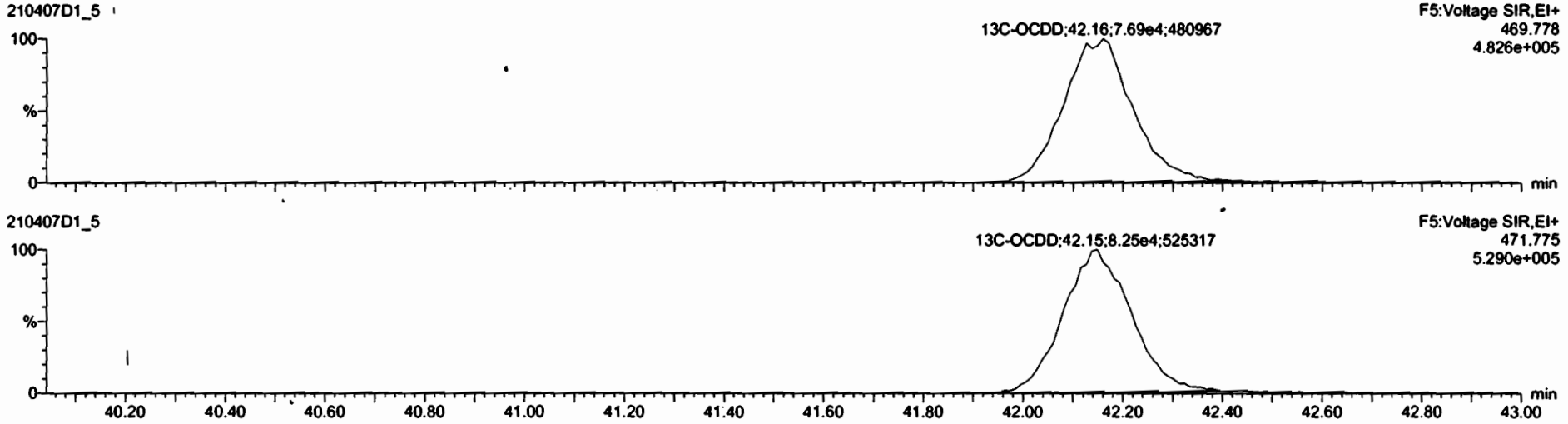
OCDD



13C-OCDD



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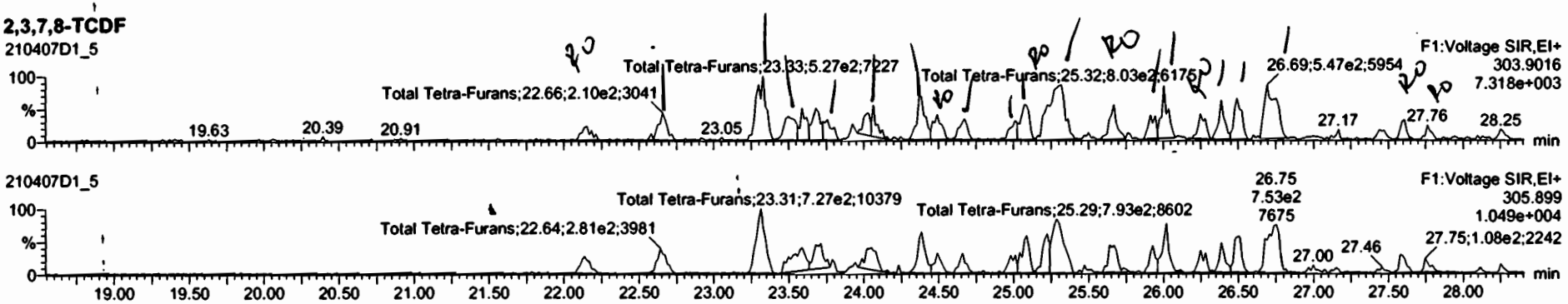
2,3,7,8-TCDF



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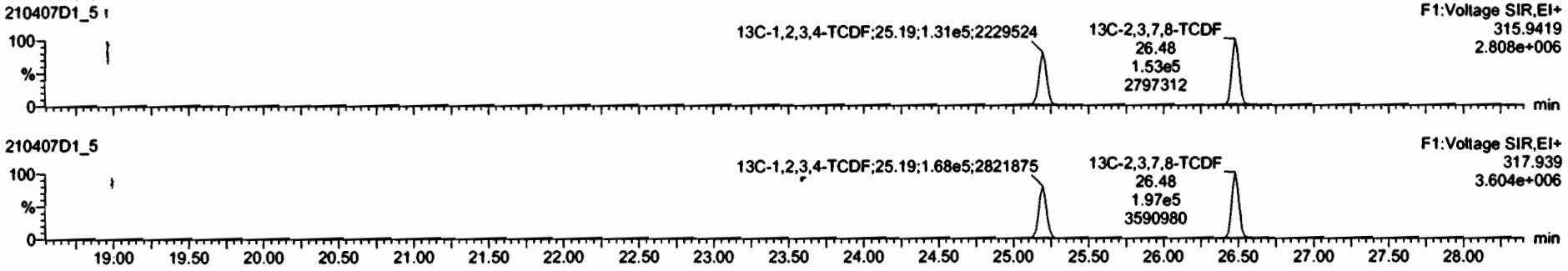
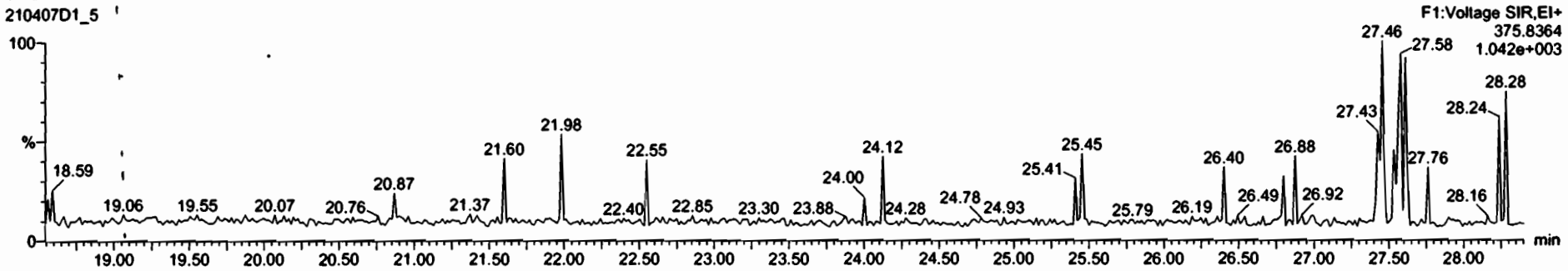
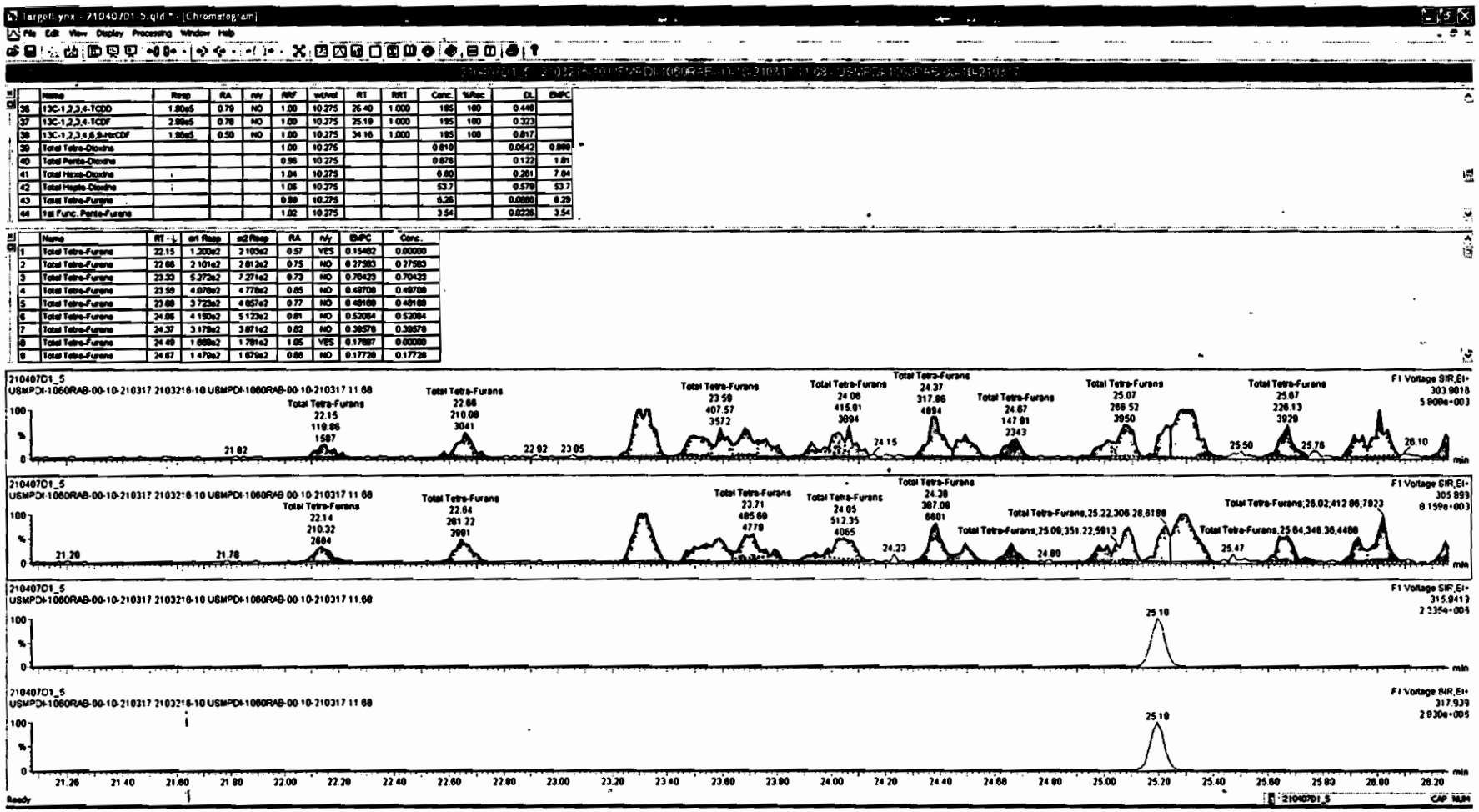


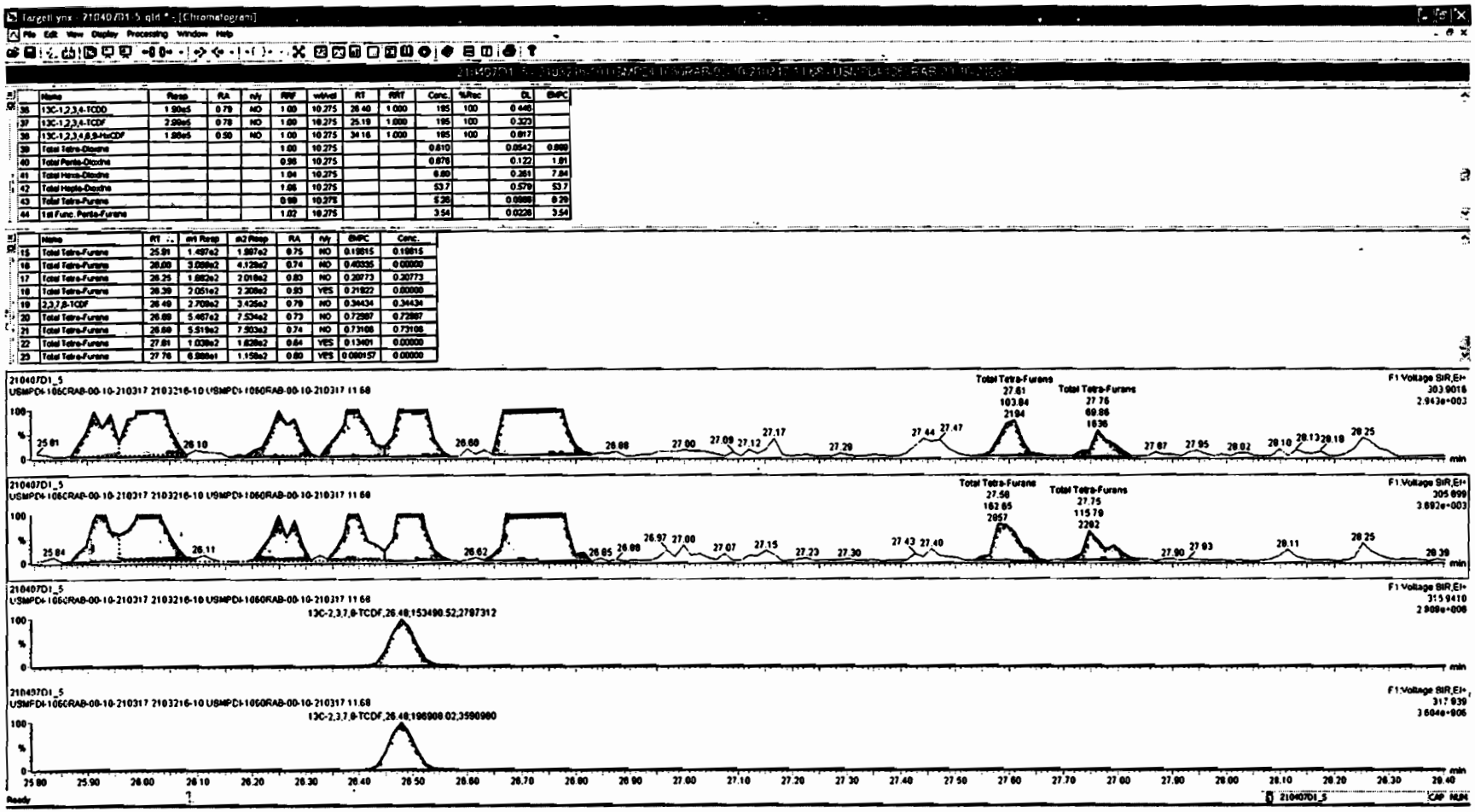
DPE1





	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
36	13C-1,2,3,4-TCDD	1.80e5	0.79	NO	1.00	10.275	26.40	1.000	195	100	0.446	
37	13C-1,2,3,4-TCDF	2.99e5	0.78	NO	1.00	10.275	25.19	1.000	195	100	0.323	
38	13C-1,2,3,4,6,8,9-HpCDF	1.96e5	0.50	NO	1.00	10.275	34.16	1.000	195	100	0.817	
39	Total Tetra-Dioxins				1.00	10.275			0.610		0.0642	0.888
40	Total Penta-Dioxins				0.96	10.275			0.878		0.122	1.81
41	Total Hexa-Dioxins				1.04	10.275			6.80		0.261	7.84
42	Total Hepta-Dioxins				1.06	10.275			53.7		0.579	53.7
43	Total Tetra-Furans				0.99	10.275			6.26		0.0886	8.29
44	1st Func. Penta-Furans				1.02	10.275			3.54		0.0226	3.54

	Name	RT	a1 Resp	a2 Resp	RA	n/y	EMPC	Conc.
1	Total Tetra-Furans	22.15	1.200e2	2.103e2	0.57	YES	0.15462	0.60000
2	Total Tetra-Furans	22.66	2.101e2	2.812e2	0.75	NO	0.27983	0.27983
3	Total Tetra-Furans	23.33	5.272e2	7.271e2	0.73	NO	0.70423	0.70423
4	Total Tetra-Furans	23.59	4.076e2	4.776e2	0.85	NO	0.49708	0.49708
5	Total Tetra-Furans	23.68	3.723e2	4.857e2	0.77	NO	0.48188	0.48188
6	Total Tetra-Furans	24.06	4.150e2	5.123e2	0.81	NO	0.52084	0.52084
7	Total Tetra-Furans	24.37	3.179e2	3.871e2	0.82	NO	0.39578	0.39578
8	Total Tetra-Furans	24.49	1.088e2	1.781e2	1.05	YES	0.17887	0.60000
9	Total Tetra-Furans	24.67	1.479e2	1.679e2	0.88	NO	0.17728	0.17728



	Name	Resp	RA	m/y	RRF	wtAvd	RT	RRT	Conc.	%Rec	DL	EMPC
36	13C-1,2,3,4-TCDD	1.90e5	0.78	NO	1.00	10.275	26.40	1.000	195	100	0.446	
37	13C-1,2,3,4-TCDF	2.90e5	0.78	NO	1.00	10.275	25.19	1.000	195	100	0.323	
38	13C-1,2,3,4,6,9-HxCDF	1.90e5	0.50	NO	1.00	10.275	34.16	1.000	195	100	0.917	
39	Total Tetra-Dioxins				1.00	10.275			0.810		0.0542	0.999
40	Total Penta-Dioxins				0.98	10.275			0.876		0.122	1.91
41	Total Hexa-Dioxins				1.04	10.275			6.80		0.361	7.84
42	Total Hepta-Dioxins				1.06	10.275			53.7		0.579	53.7
43	Total Tetra-Furans				0.99	10.275			5.26		0.0668	8.29
44	Tot Func. Penta-Furans				1.02	10.275			3.54		0.0228	3.54

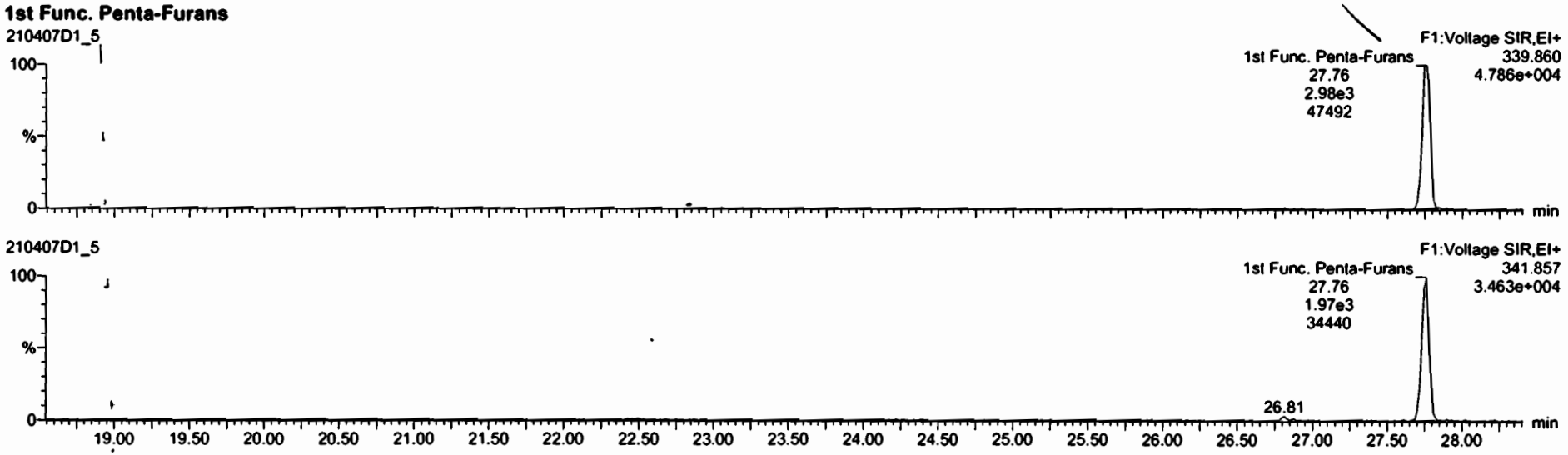
	Name	RT	m1 Resp	m2 Resp	RA	m/y	EMPC	Conc.
15	Total Tetra-Furans	25.91	1.497e2	1.997e2	0.75	NO	0.19815	0.19815
16	Total Tetra-Furans	26.00	3.088e2	4.129e2	0.74	NO	0.40335	0.00000
17	Total Tetra-Furans	26.25	1.882e2	2.516e2	0.83	NO	0.30773	0.30773
18	Total Tetra-Furans	26.39	2.051e2	2.208e2	0.93	YES	0.21922	0.00000
19	2,3,7,8-TCDF	26.48	2.709e2	3.425e2	0.79	NO	0.34434	0.34434
20	Total Tetra-Furans	26.69	5.467e2	7.534e2	0.73	NO	0.72597	0.72597
21	Total Tetra-Furans	26.80	5.519e2	7.903e2	0.74	NO	0.73106	0.73106
22	Total Tetra-Furans	27.61	1.039e2	1.628e2	0.64	YES	0.13401	0.00000
23	Total Tetra-Furans	27.76	6.588e1	1.156e2	0.80	YES	0.000157	0.00000

Dataset: Untitled

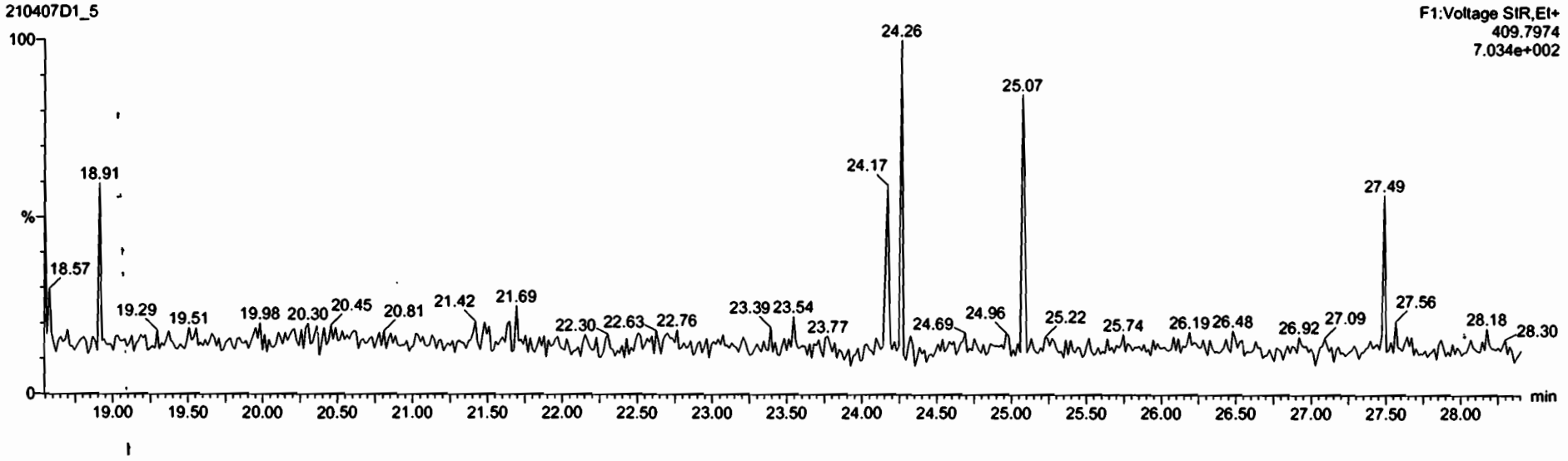
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_5, Date: 07-Apr-2021, Time: 11:52:12, ID: 2103216-10 USMPDI-1060RAB-00-10-210317 11.68, Description: USMPDI-1060RAB-00-10-210317

1st Func. Penta-Furans



DPE6



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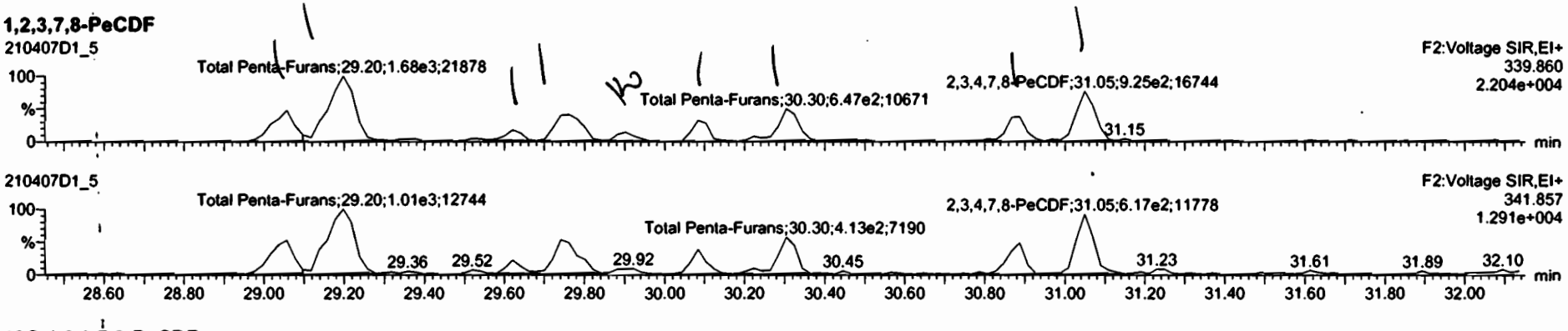
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_5, Date: 07-Apr-2021, Time: 11:52:12, ID: 2103216-10 USMPDI-1060RAB-00-10-210317 11.68, Description: USMPDI-1060RAB-00-10-210317

1,2,3,7,8-PeCDF



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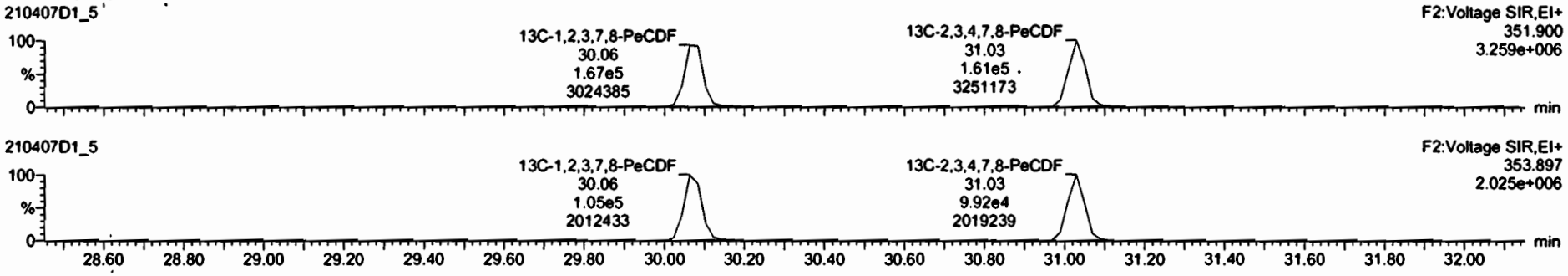
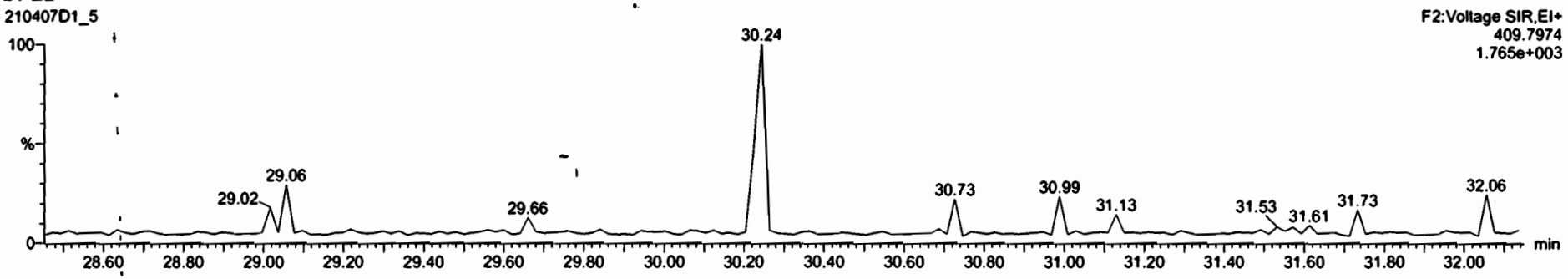
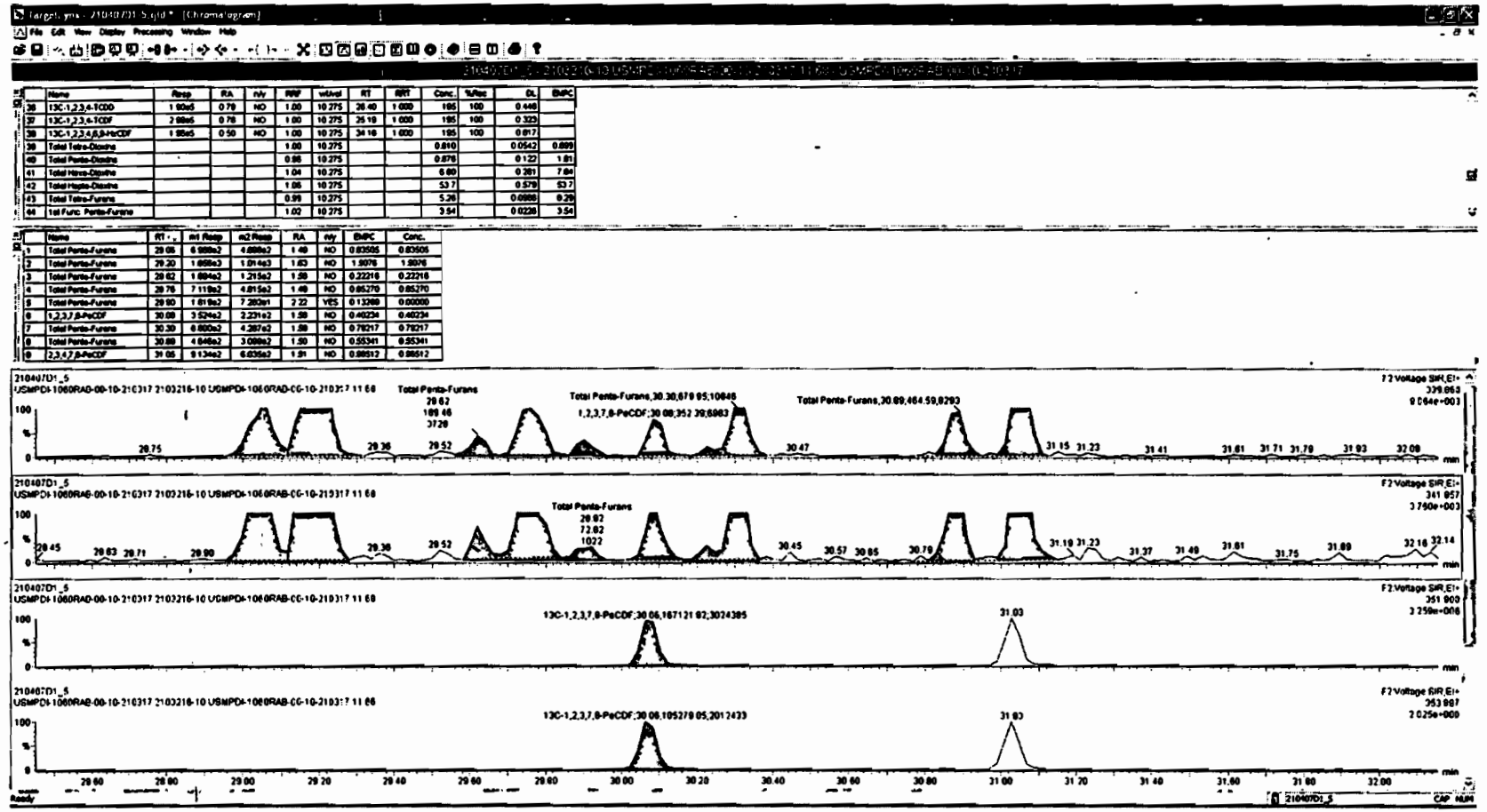


DPE2



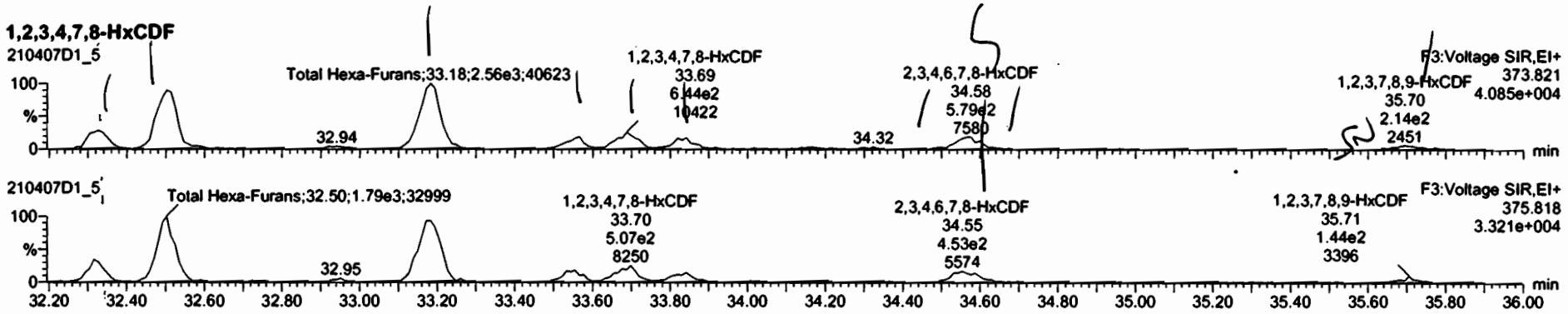


	Name	Resp	RA	n/y	RRF	wtAvg	RT	RRT	Conc.	%Rec	DL	EMPC
36	13C-1,2,3,4-TCDD	1 90e5	0 78	NO	1 00	10 27S	26 40	1 000	195	100	0 446	
37	13C-1,2,3,4-TCDF	2 66e5	0 78	NO	1 00	10 27S	25 18	1 000	195	100	0 323	
38	13C-1,2,3,4,6,9-HxCDF	1 85e5	0 50	NO	1 00	10 27S	34 16	1 000	195	100	0 817	
39	Total Tetra-Dioxins				1 00	10 27S			0 810		0 0542	0 899
40	Total Penta-Dioxins				0 96	10 27S			0 876		0 122	1 81
41	Total Hexa-Dioxins				1 04	10 27S			6 80		0 261	7 64
42	Total Hepta-Dioxins				1 05	10 27S			53 7		0 579	53 7
43	Total Tetra-Furans				0 99	10 27S			5 26		0 0888	9 29
44	1st Func. Penta-Furans				1 02	10 27S			3 54		0 0228	3 54

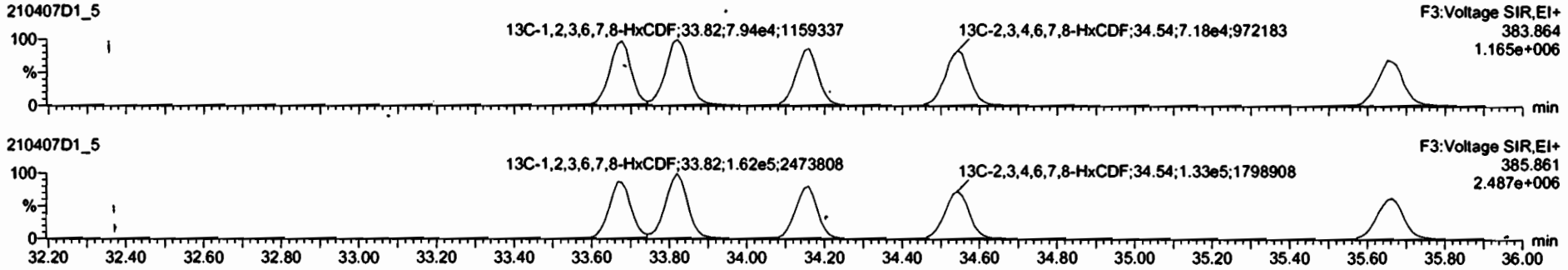
	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Penta-Furans	29 05	6 988e2	4 688e2	1 49	NO	0 83505	0 83505
2	Total Penta-Furans	29 20	1 668e3	1 014e3	1 63	NO	1 9076	1 9076
3	Total Penta-Furans	29 62	1 884e2	1 215e2	1 55	NO	0 22216	0 22216
4	Total Penta-Furans	29 76	7 119e2	4 815e2	1 48	NO	0 85270	0 85270
5	Total Penta-Furans	29 90	1 818e2	7 280e1	2 22	YES	0 13368	0 00000
6	1,2,3,7,8-PeCDF	30 08	3 524e2	2 231e2	1 58	NO	0 40234	0 40234
7	Total Penta-Furans	30 30	6 800e2	4 397e2	1 55	NO	0 78017	0 78017
8	Total Penta-Furans	30 88	4 648e2	3 088e2	1 50	NO	0 55341	0 55341
9	2,3,4,7,8-PeCDF	31 05	9 134e2	6 035e2	1 51	NO	0 86512	0 86512

Name: 210407D1_5, Date: 07-Apr-2021, Time: 11:52:12, ID: 2103216-10 USMPDI-1060RAB-00-10-210317 11.68, Description: USMPDI-1060RAB-00-10-210317

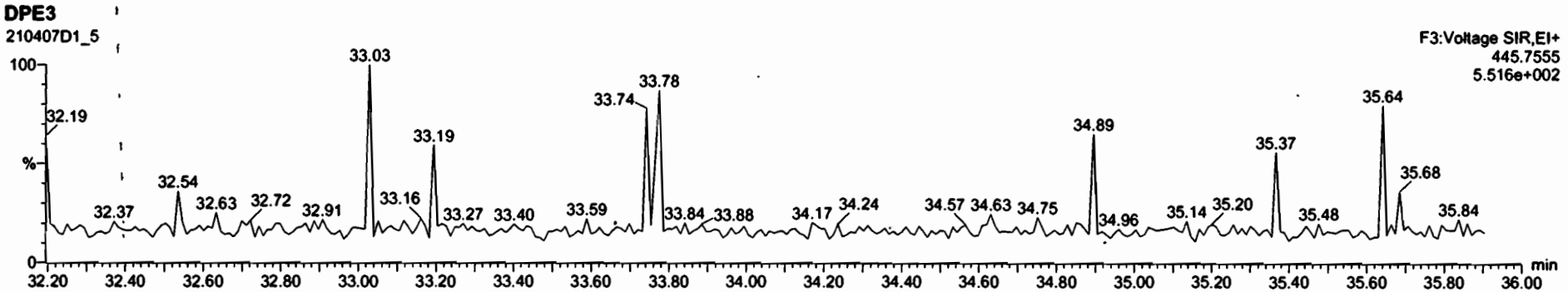
1,2,3,4,7,8-HxCDF



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



DPE3

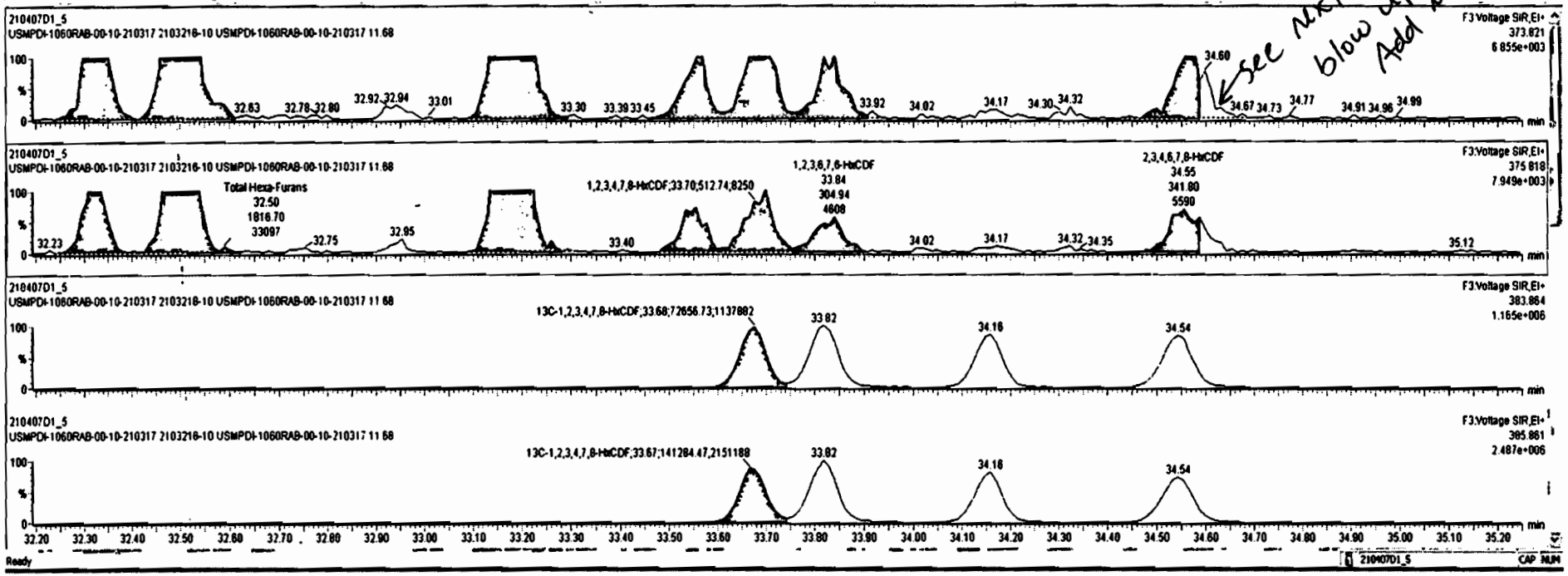


TargetLynx - 210407D1_5.qld * - [Chromatogram]

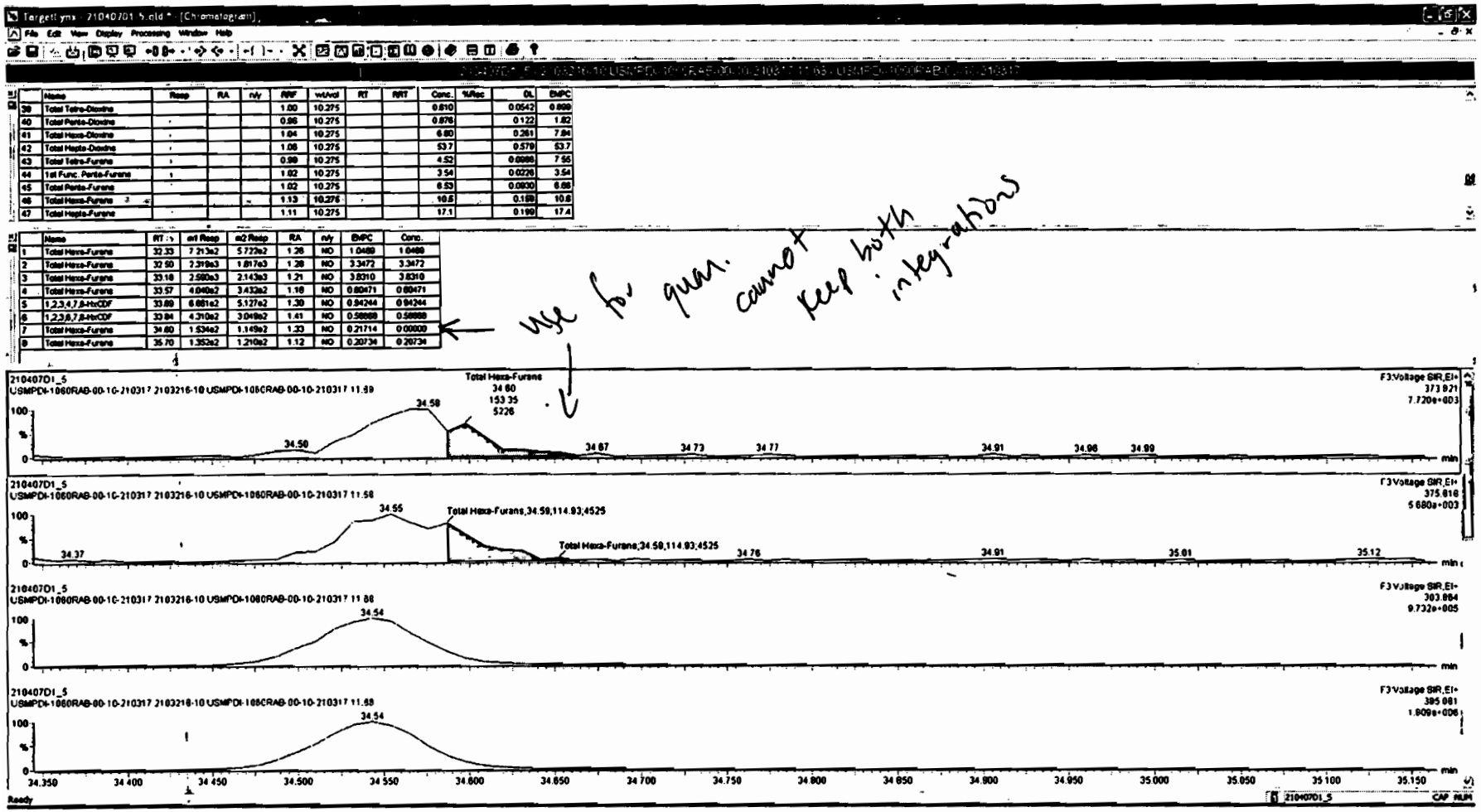
File Edit View Display Processing Window Help

	Name	Resp	RA	n/y	RRF	wtAvg	RT	RRT	Conc.	%Rec	DL	EMPC
41	Total Hexa-Dioxins				1.04	10.275			6.80		0.261	7.84
42	Total Hepta-Dioxins				1.06	10.275			53.7		0.579	53.7
43	Total Tetra-Furans				0.99	10.275			4.53		0.0986	7.58
44	1st Func. Penta-Furans				1.02	10.275			3.54		0.0226	3.54
45	Total Penta-Furans				1.02	10.275			6.53		0.0930	6.66
46	Total Hexa-Furans				1.13	10.275			11.2		0.159	11.2
47	Total Hepta-Furans				1.11	10.275			17.1		0.199	17.4
48	PFK1											
49	PFK2											

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Hexa-Furans	32.33	7.213e2	5.722e2	1.26	NO	1.0469	1.0469
2	Total Hexa-Furans	32.50	2.319e3	1.817e3	1.28	NO	3.3472	3.3472
3	Total Hexa-Furans	33.16	2.590e3	2.143e3	1.21	NO	3.8310	3.8310
4	Total Hexa-Furans	33.57	4.040e2	3.432e2	1.18	NO	0.60471	0.60471
5	1,2,3,4,7,8-HxCDF	33.69	6.681e2	5.127e2	1.30	NO	0.94244	0.94244
6	1,2,3,6,7,8-HxCDF	33.84	4.310e2	3.049e2	1.41	NO	0.58868	0.58868
7	2,3,4,6,7,8-HxCDF	34.58	4.183e2	3.418e2	1.22	NO	0.64046	0.64046
8	Total Hexa-Furans	35.70	1.352e2	1.210e2	1.12	NO	0.20734	0.20734



Ready 210407D1_5 CAP NUM



	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
39	Total Tetra-Dioxins				1.00	10.275			0.810		0.0542	0.809
40	Total Penta-Dioxins				0.96	10.275			0.876		0.122	1.82
41	Total Hexa-Dioxins				1.04	10.275			6.80		0.261	7.84
42	Total Hepta-Dioxins				1.06	10.275			53.7		0.579	53.7
43	Total Tetra-Furans				0.99	10.275			4.52		0.0986	7.55
44	1st Func. Penta-Furans				1.02	10.275			3.54		0.0226	3.54
45	Total Penta-Furans				1.02	10.275			6.53		0.0800	6.66
46	Total Hexa-Furans				1.13	10.276			10.8		0.159	10.8
47	Total Hepta-Furans				1.11	10.275			17.1		0.199	17.4

	Name	RT	ext Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Hexa-Furans	32.33	7.213e2	5.773e2	1.26	NO	1.0489	1.0489
2	Total Hexa-Furans	32.50	2.319e3	1.817e3	1.28	NO	3.3472	3.3472
3	Total Hexa-Furans	33.16	2.580e3	2.143e3	1.21	NO	3.8310	3.8310
4	Total Hexa-Furans	33.57	4.040e2	3.432e2	1.18	NO	0.60471	0.60471
5	1,2,3,4,7,8-HxCDF	33.89	6.661e2	5.127e2	1.30	NO	0.94244	0.94244
6	1,2,3,6,7,8-HxCDF	33.84	4.310e2	3.049e2	1.41	NO	0.58888	0.58888
7	Total Hexa-Furans	34.60	1.534e2	1.149e2	1.33	NO	0.21714	0.00000
8	Total Hexa-Furans	35.70	1.352e2	1.210e2	1.12	NO	0.20734	0.20734

Targetlynx - 210407D1_5.qld * - [Chromatogram]

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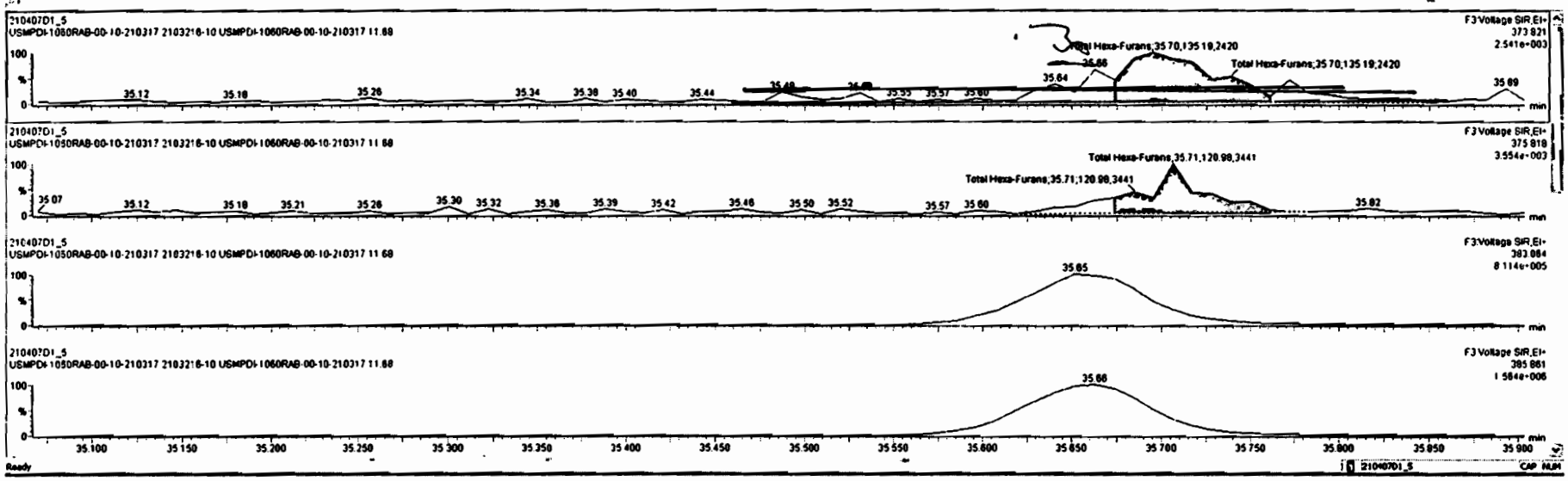
210407D1_5 - 2103216-10 USMPDI-1060RAB-00-10-210317 11.68 - USMPDI-1060RAB-00-10-210317

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
39	Total Tetra-Dioxine				1.00	10.275			0.610		0.0542	0.898
40	Total Penta-Dioxine				0.96	10.275			0.676		0.122	1.82
41	Total Hexa-Dioxine				1.04	10.275			6.80		0.261	7.84
42	Total Hepta-Dioxine				1.06	10.275			53.7		0.579	53.7
43	Total Tetra-Furans				0.99	10.275			4.52		0.0986	7.55
44	1st Func. Penta-Furans				1.02	10.275			3.54		0.0226	3.54
45	Total Penta-Furans				1.02	10.275			6.53		0.0830	6.66
46	Total Hexa-Furans				1.13	10.275			10.6		0.169	10.8
47	Total Hepta-Furans				1.11	10.275			17.1		0.199	17.4

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Hexa-Furans	32.33	7.213e2	5.722e2	1.26	NO	1.0469	1.0469
2	Total Hexa-Furans	32.50	2.319e3	1.817e3	1.28	NO	3.3472	3.3472
3	Total Hexa-Furans	33.18	2.590e3	2.143e3	1.21	NO	3.8310	3.8310
4	Total Hexa-Furans	33.57	4.040e2	3.432e2	1.18	NO	0.60471	0.60471
5	1,2,3,4,7,8-HxCDF	33.69	6.661e2	5.127e2	1.30	NO	0.94244	0.94244
6	1,2,3,6,7,8-HxCDF	33.84	4.310e2	3.049e2	1.41	NO	0.56868	0.56868
7	Total Hexa-Furans	34.80	1.534e2	1.149e2	1.33	NO	0.21714	0.00000
8	Total Hexa-Furans	35.70	1.352e2	1.210e2	1.12	NO	0.20734	0.20734



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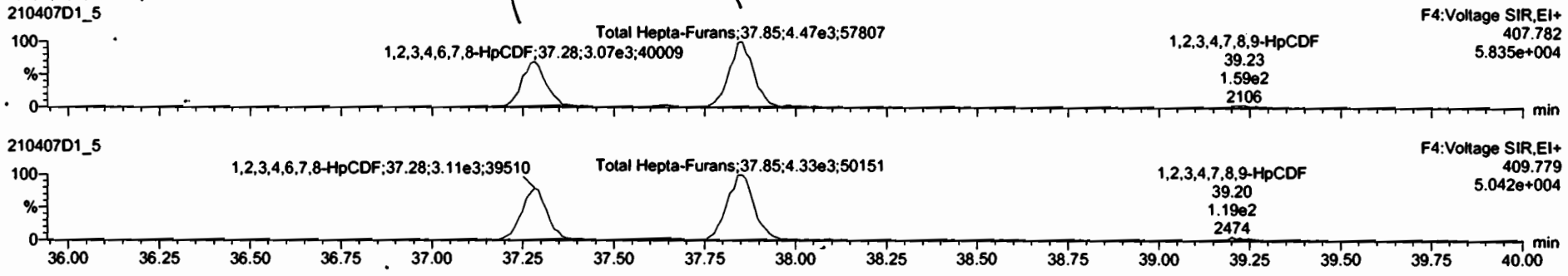
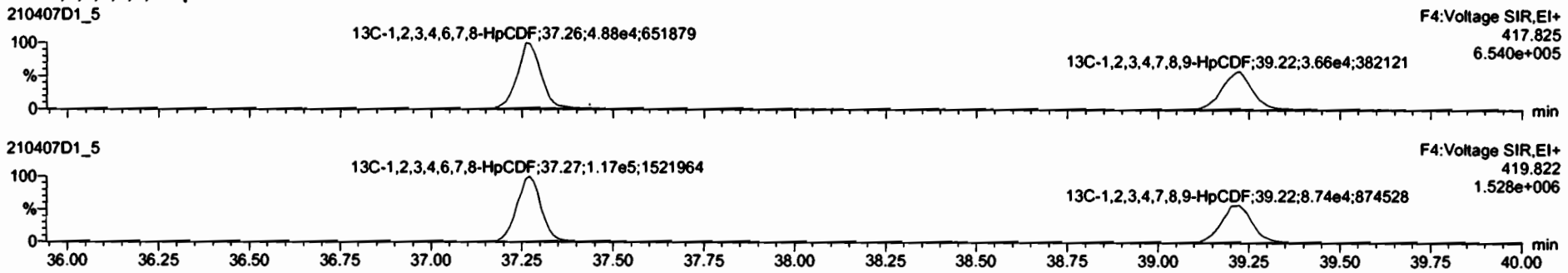
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_5, Date: 07-Apr-2021, Time: 11:52:12, ID: 2103216-10 USMPDI-1060RAB-00-10-210317 11.68, Description: USMPDI-1060RAB-00-10-210317

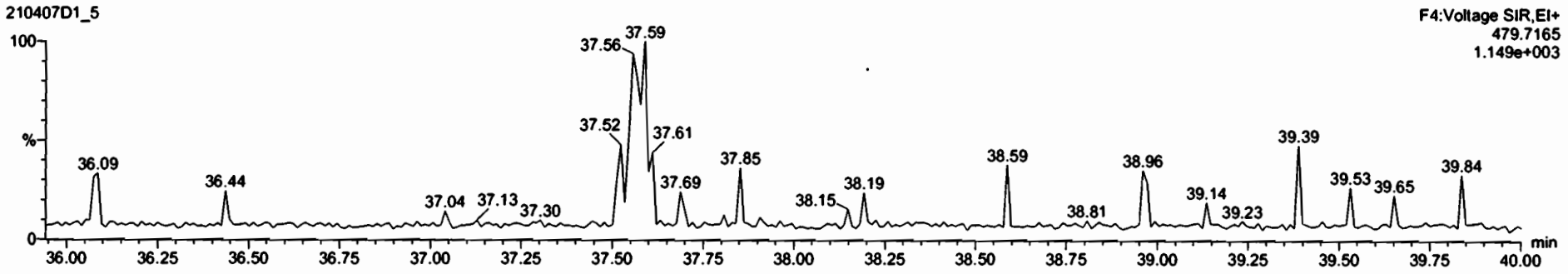
1,2,3,4,6,7,8-HpCDF

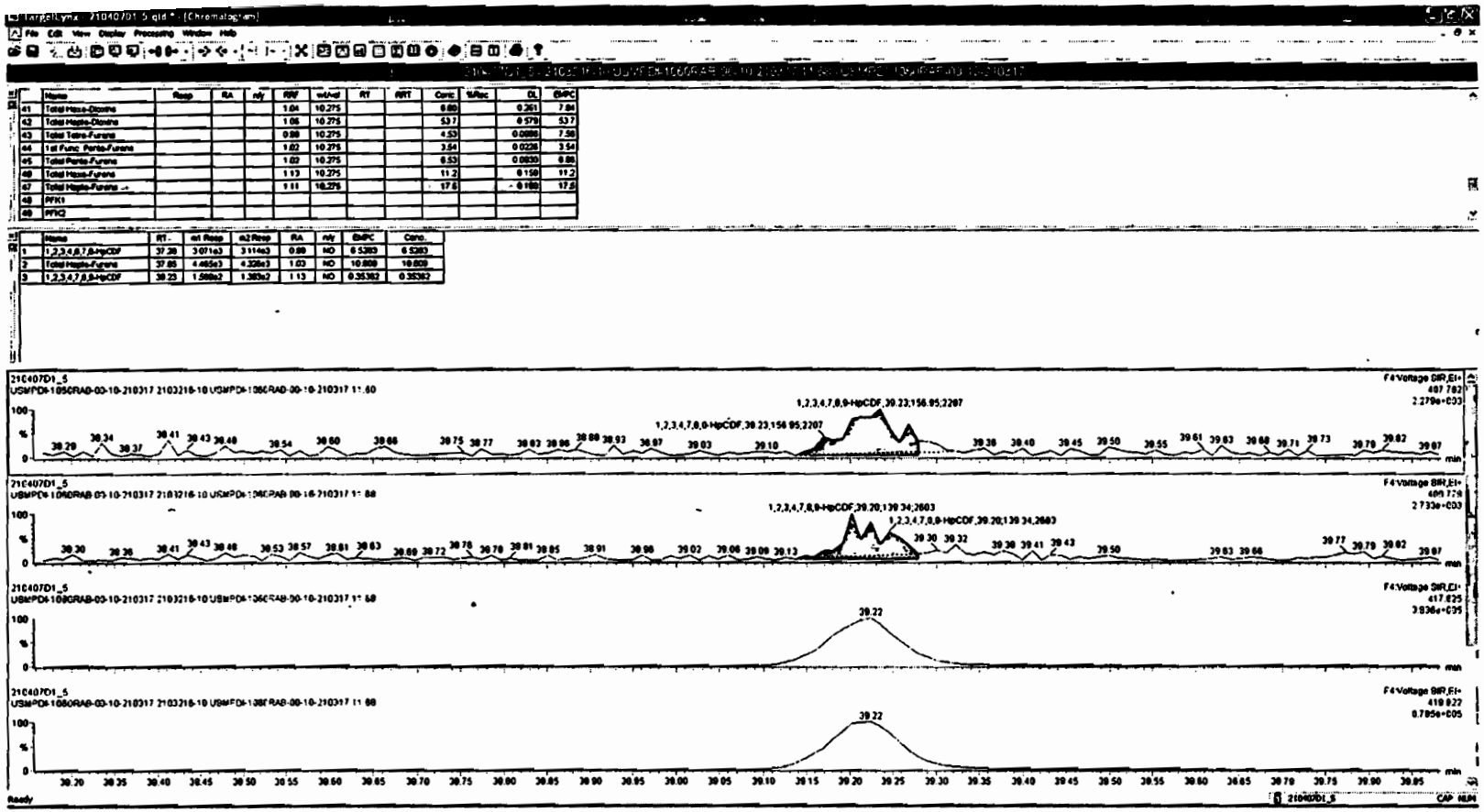


13C-1,2,3,4,6,7,8-HpCDF



DPE4

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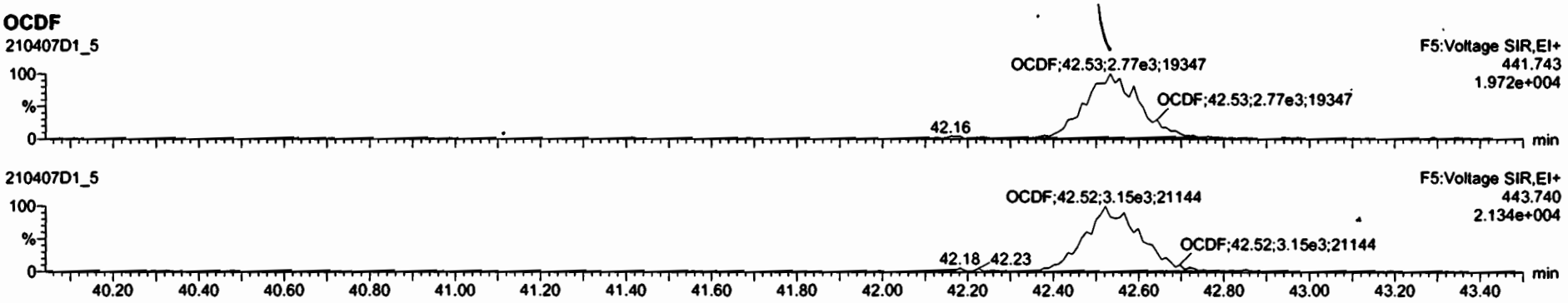
39.22
39.22

Dataset: Untitled

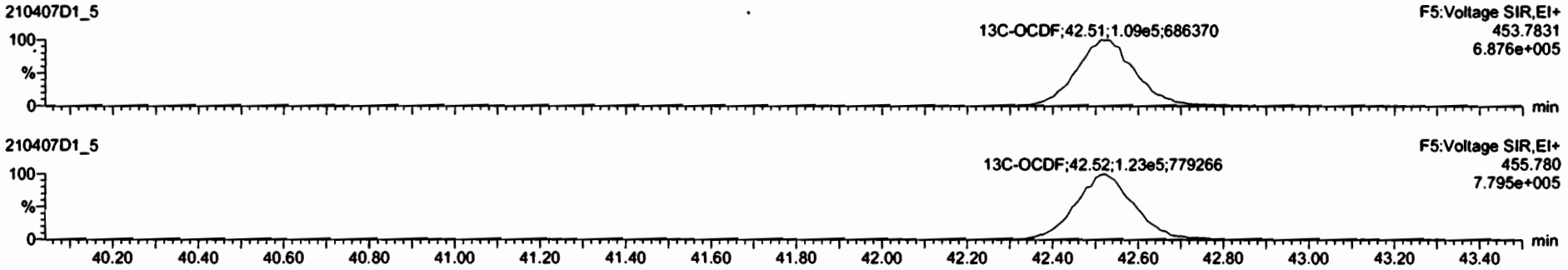
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_5, Date: 07-Apr-2021, Time: 11:52:12, ID: 2103216-10 USMPDI-1060RAB-00-10-210317 11.68, Description: USMPDI-1060RAB-00-10-210317

OCDF



13C-OCDF



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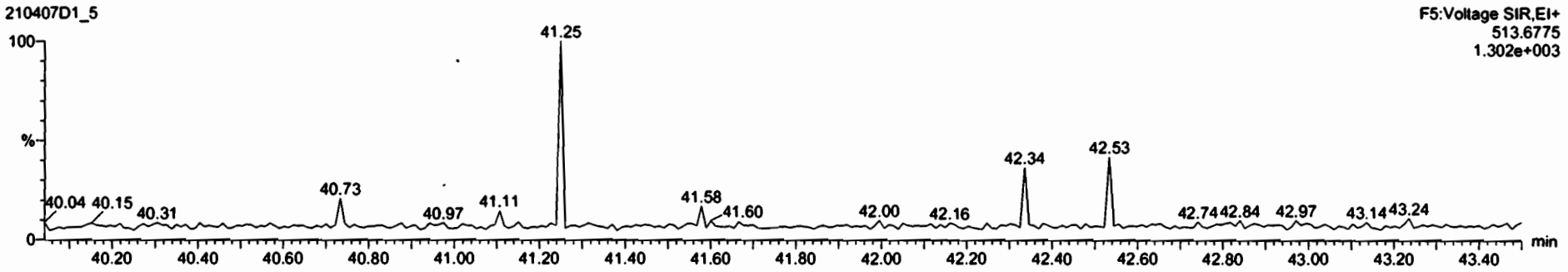

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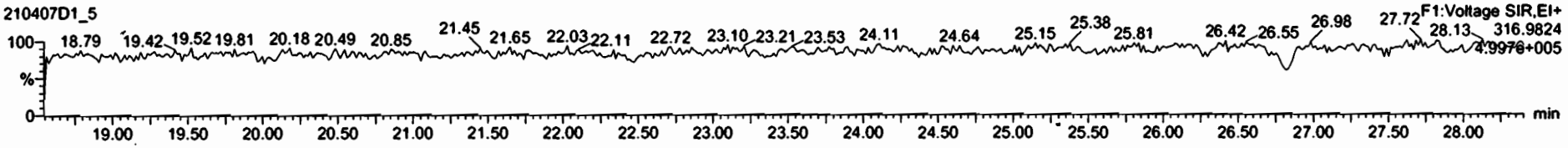
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_5, Date: 07-Apr-2021, Time: 11:52:12, ID: 2103216-10 USMPDI-1060RAB-00-10-210317 11.68, Description: USMPDI-1060RAB-00-10-210317

PFK1



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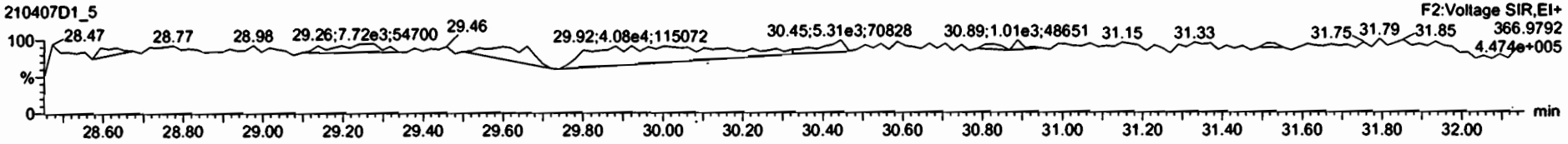

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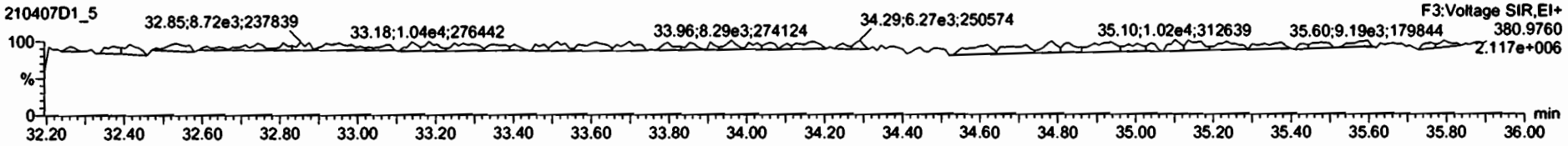

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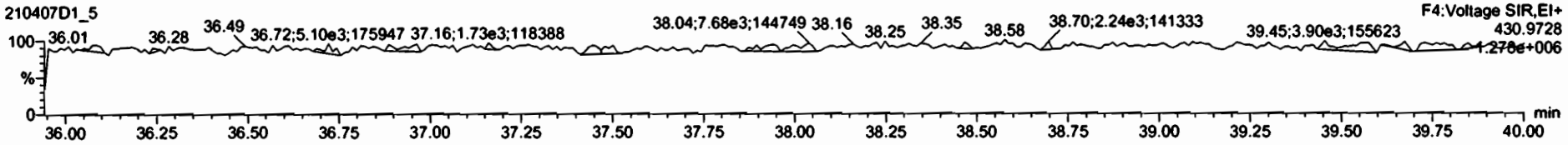

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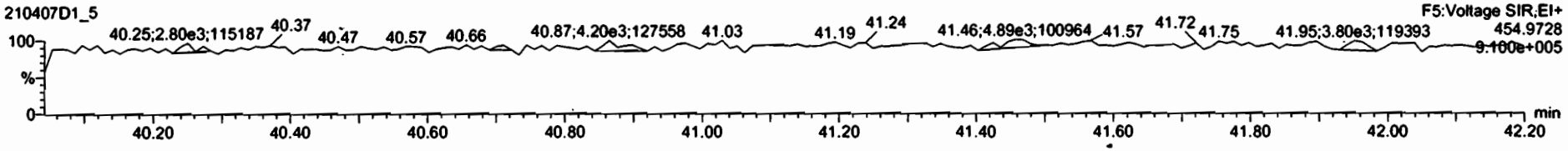

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-6.qld

Last Altered: Wednesday, April 21, 2021 12:25:26 Pacific Daylight Time
Printed: Wednesday, April 21, 2021 12:25:44 Pacific Daylight Time

DF 04/21/21 CT 04/21/2021

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_4-6-21.mdb 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210407D1_6, Date: 07-Apr-2021, Time: 12:38:51, ID: 2103216-11 USMPDI-064RAB-00-10-210310 12.24, Description: USMPDI-064RAB-00-10-210310, Task: ST210407D1-1

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	2.69e2	0.47	YES	0.998	10.314	27.09	1.001	0.26545		0.0897	0.194
2	1,2,3,7,8-PeCDD	2.40e2	0.67	NO	0.961	10.314	31.23	1.000	0.31450		0.168	0.314
3	1,2,3,4,7,8-HxCDD			NO	1.18	10.314					0.256	
4	1,2,3,6,7,8-HxCDD	9.72e2	1.31	NO	1.04	10.314	34.85	1.001	1.3000		0.264	1.30
5	1,2,3,7,8,9-HxCDD	6.97e2	1.11	NO	1.06	10.314	35.15	1.000	0.86582		0.244	0.866
6	1,2,3,4,6,7,8-HpCDD	1.57e4	1.05	NO	1.06	10.314	38.56	1.000	24.512		0.542	24.5
7	OCDD	6.55e4	0.90	NO	0.977	10.314	42.28	1.000	169.40		5.21	169
8	2,3,7,8-TCDF	6.11e2	0.83	NO	0.989	10.314	26.52	1.001	0.41097		0.0899	0.411
9	1,2,3,7,8-PeCDF	3.95e2	1.44	NO	1.02	10.314	30.10	1.000	0.32477		0.137	0.325
10	2,3,4,7,8-PeCDF	1.80e3	1.55	NO	1.17	10.314	31.09	1.001	1.3650		0.123	1.37
11	1,2,3,4,7,8-HxCDF	9.06e2	1.38	NO	1.14	10.314	33.73	1.001	0.79547		0.176	0.795
12	1,2,3,6,7,8-HxCDF	5.63e2	1.37	NO	1.04	10.314	33.85	1.000	0.46409		0.169	0.464
13	2,3,4,6,7,8-HxCDF	9.40e2	1.15	NO	1.13	10.314	34.63	1.001	0.87445		0.199	0.874
14	1,2,3,7,8,9-HxCDF			NO	1.07	10.314					0.240	
15	1,2,3,4,6,7,8-HpCDF	2.30e4	1.00	NO	1.11	10.314	37.29	1.001	25.513		0.202	25.5
16	1,2,3,4,7,8,9-HpCDF			NO	1.32	10.314					0.290	
17	OCDF	1.05e4	0.86	NO	0.931	10.314	42.62	1.000	19.581		0.447	19.6
18	13C-2,3,7,8-TCDD	1.97e5	0.86	NO	1.20	10.314	27.07	1.024	169.94	87.6	0.310	
19	13C-1,2,3,7,8-PeCDD	1.54e5	0.63	NO	0.864	10.314	31.23	1.181	184.85	95.3	0.194	
20	13C-1,2,3,4,7,8-HxCDD	1.23e5	1.35	NO	0.600	10.314	34.71	1.015	203.24	105	0.517	
21	13C-1,2,3,6,7,8-HxCDD	1.39e5	1.29	NO	0.674	10.314	34.83	1.019	204.36	105	0.460	
22	13C-1,2,3,7,8,9-HxCDD	1.47e5	1.28	NO	0.679	10.314	35.14	1.028	214.58	111	0.457	
23	13C-1,2,3,4,6,7,8-HpCDD	1.17e5	1.05	NO	0.558	10.314	38.56	1.128	207.63	107	0.854	
24	13C-OCDD	1.54e5	0.89	NO	0.496	10.314	42.27	1.236	306.07	78.9	0.625	
25	13C-2,3,7,8-TCDF	2.91e5	0.79	NO	1.03	10.314	26.49	1.002	184.69	95.2	0.273	
26	13C-1,2,3,7,8-PeCDF	2.31e5	1.58	NO	0.805	10.314	30.10	1.139	186.26	96.1	0.471	
27	13C-2,3,4,7,8-PeCDF	2.18e5	1.63	NO	0.748	10.314	31.05	1.175	189.28	97.6	0.507	
28	13C-1,2,3,4,7,8-HxCDF	1.94e5	0.52	NO	0.968	10.314	33.70	0.986	198.18	102	0.745	
29	13C-1,2,3,6,7,8-HxCDF	2.26e5	0.52	NO	1.08	10.314	33.84	0.990	205.78	106	0.665	
30	13C-2,3,4,6,7,8-HxCDF	1.85e5	0.50	NO	0.960	10.314	34.59	1.012	190.26	98.1	0.751	

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-6.qld

Last Altered: Wednesday, April 21, 2021 12:25:26 Pacific Daylight Time
Printed: Wednesday, April 21, 2021 12:25:44 Pacific Daylight Time

Name: 210407D1_6, Date: 07-Apr-2021, Time: 12:38:51, ID: 2103216-11 USMPDI-064RAB-00-10-210310 12.24, Description: USMPDI-064RAB-00-10-210310, Task: ST210407D1-1

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC	
31	13C-1,2,3,7,8,9-HxCDF	1.81e5	0.51	NO	0.869	10.314	35.71	1.044	206.35	106	0.830		
32	13C-1,2,3,4,6,7,8-HpCDF	1.57e5	0.40	NO	0.794	10.314	37.27	1.090	195.56	101	0.881		
33	13C-1,2,3,4,7,8,9-HpCDF	1.14e5	0.40	NO	0.586	10.314	39.26	1.148	191.52	98.8	1.19		
34	13C-OCDF	2.23e5	0.90	NO	0.711	10.314	42.61	1.246	310.20	80.0	0.419		
35	37Cl-2,3,7,8-TCDD	7.80e4			1.11	10.314	27.09	1.025	73.171	94.3	0.100		
36	13C-1,2,3,4-TCDD	1.87e5	0.82	NO	1.00	10.314	26.43	1.000	193.91	100	0.373		
37	13C-1,2,3,4-TCDF	2.98e5	0.83	NO	1.00	10.314	25.21	1.000	193.91	100	0.280		
38	13C-1,2,3,4,6,9-HxCDF	1.96e5	0.50	NO	1.00	10.314	34.19	1.000	193.91	100	0.721		
39	Total Tetra-Dioxins				0.998	10.314			0.84974		0.0897	1.93	
40	Total Penta-Dioxins				0.961	10.314			2.0894		0.168	4.32	
41	Total Hexa-Dioxins				1.04	10.314			12.294		0.267	12.3	
42	Total Hepta-Dioxins				1.06	10.314			46.574		0.542	46.6	
43	Total Tetra-Furans				0.989	10.314			6.0328		0.0899	6.53	P
44	1st Func. Penta-Furans				1.02	10.314			7.7614		0.0391	7.76	
45	Total Penta-Furans				1.02	10.314			7.7176		0.139	7.72	P
46	Total Hexa-Furans				1.13	10.314			15.127		0.188	15.1	
47	Total Hepta-Furans				1.11	10.314			45.974		0.261	46.0	

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-6.qld

Last Altered: Wednesday, April 21, 2021 12:25:26 Pacific Daylight Time
Printed: Wednesday, April 21, 2021 12:25:44 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_4-6-21.mdb 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210407D1_6, Date: 07-Apr-2021, Time: 12:38:51, ID: 2103216-11 USMPDI-064RAB-00-10-210310 12.24, Description: USMPDI-064RAB-00-10-210310, Task: ST210407D1-1

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	24.00	5.333e3	5.549e3	3.018e2	3.247e2	0.93	YES	0.000e0	0.00000	0.56741	0.0897
2	Total Tetra-Dioxins	24.26	2.923e3	3.104e3	1.610e2	2.032e2	0.79	NO	3.643e2	0.35958	0.35958	0.0897
3	Total Tetra-Dioxins	24.66	1.426e3	1.101e3	6.465e1	5.408e1	1.20	YES	0.000e0	0.00000	0.094501	0.0897
4	Total Tetra-Dioxins	25.53	1.739e3	2.919e3	1.193e2	1.510e2	0.79	NO	2.703e2	0.26682	0.26682	0.0897
5	Total Tetra-Dioxins	25.71	2.409e3	2.460e3	1.055e2	1.208e2	0.87	NO	2.262e2	0.22334	0.22334	0.0897
6	Total Tetra-Dioxins	26.51	6.913e3	2.376e3	3.919e2	1.270e2	3.09	YES	0.000e0	0.00000	0.22190	0.0897
7	2,3,7,8-TCDD	27.09	1.912e3	3.029e3	8.551e1	1.834e2	0.47	YES	2.689e2	0.00000	0.19405	0.0897

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	29.18	5.182e3	9.658e3	3.296e2	5.491e2	0.60	NO	8.786e2	1.1523	1.1523	0.168
2	Total Penta-Dioxins	29.64	1.976e3	3.470e3	8.530e1	1.635e2	0.52	YES	0.000e0	0.00000	0.28942	0.168
3	Total Penta-Dioxins	30.10	9.560e3	7.803e3	5.407e2	3.775e2	1.43	YES	0.000e0	0.00000	0.80702	0.168
4	Total Penta-Dioxins	30.24	2.562e3	5.873e3	1.440e2	2.740e2	0.53	YES	0.000e0	0.00000	0.48858	0.168
5	Total Penta-Dioxins	30.31	3.175e3	4.261e3	1.328e2	1.644e2	0.81	YES	0.000e0	0.00000	0.35151	0.168
6	Total Penta-Dioxins	30.53	2.085e3	4.073e3	1.740e2	3.008e2	0.58	NO	4.748e2	0.62264	0.62264	0.168
7	Total Penta-Dioxins	31.05	8.531e3	3.115e3	4.285e2	1.388e2	3.09	YES	0.000e0	0.00000	0.29673	0.168
8	1,2,3,7,8-PeCDD	31.23	2.154e3	3.088e3	9.638e1	1.434e2	0.67	NO	2.398e2	0.31450	0.31450	0.168

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	32.91	2.063e4	1.818e4	1.331e3	1.035e3	1.29	NO	2.366e3	3.2267	3.2267	0.267
2	Total Hexa-Dioxins	33.56	7.582e3	6.782e3	5.014e2	4.262e2	1.18	NO	9.275e2	1.2650	1.2650	0.267
3	Total Hexa-Dioxins	33.86	2.828e4	2.175e4	2.366e3	1.767e3	1.34	NO	4.133e3	5.6367	5.6367	0.267
4	1,2,3,6,7,8-HxCDD	34.85	7.488e3	8.035e3	5.518e2	4.201e2	1.31	NO	9.719e2	1.3000	1.3000	0.264
5	1,2,3,7,8,9-HxCDD	35.15	6.486e3	4.676e3	3.662e2	3.306e2	1.11	NO	6.969e2	0.86582	0.86582	0.244

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-6.qld

Last Altered: Wednesday, April 21, 2021 12:25:26 Pacific Daylight Time
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Name: 210407D1_6, Date: 07-Apr-2021, Time: 12:38:51, ID: 2103216-11 USMPDI-064RAB-00-10-210310 12.24, Description: USMPDI-064RAB-00-10-210310, Task: ST210407D1-1

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.59	8.450e4	7.886e4	7.200e3	6.938e3	1.04	NO	1.414e4	22.061	22.061	0.542
2	1,2,3,4,6,7,8-HpCDD	38.56	8.212e4	7.479e4	8.047e3	7.661e3	1.05	NO	1.571e4	24.512	24.512	0.542

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	22.17	1.231e3	1.712e3	1.047e2	1.380e2	0.76	NO	2.427e2	0.16334	0.16334	0.0899
2	Total Tetra-Furans	22.66	2.586e3	3.535e3	1.743e2	2.415e2	0.72	NO	4.157e2	0.27978	0.27978	0.0899
3	Total Tetra-Furans	23.33	1.439e4	2.145e4	1.041e3	1.483e3	0.70	NO	2.524e3	1.6987	1.6987	0.0899
4	Total Tetra-Furans	24.02	5.365e3	5.880e3	3.994e2	4.655e2	0.86	NO	8.649e2	0.58208	0.58208	0.0899
5	Total Tetra-Furans	24.41	7.806e3	1.077e4	5.248e2	7.364e2	0.71	NO	1.261e3	0.84886	0.84886	0.0899
6	Total Tetra-Furans	24.67	2.787e3	2.884e3	1.494e2	1.821e2	0.82	NO	3.315e2	0.22308	0.22308	0.0899
7	Total Tetra-Furans	25.32	9.261e3	1.441e4	8.540e2	1.085e3	0.79	NO	1.939e3	1.3047	1.3047	0.0899
8	2,3,7,8-TCDF	26.52	4.732e3	5.302e3	2.763e2	3.343e2	0.83	NO	6.106e2	0.41097	0.41097	0.0899
9	Total Tetra-Furans	26.78	3.639e3	3.932e3	3.092e2	3.172e2	0.97	YES	0.000e0	0.00000	0.37781	0.0899
10	Total Tetra-Furans	27.49	1.877e3	2.160e3	1.029e2	1.004e2	1.02	YES	0.000e0	0.00000	0.11957	0.0899
11	Total Tetra-Furans	27.61	3.085e3	4.593e3	1.609e2	2.298e2	0.70	NO	3.907e2	0.26293	0.26293	0.0899
12	Total Tetra-Furans	27.78	2.548e3	4.329e3	1.653e2	2.185e2	0.76	NO	3.839e2	0.25834	0.25834	0.0899

Penta-Furans function 1

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1st Func. Penta-Furans	27.78	1.069e5	6.581e4	5.626e3	3.544e3	1.59	NO	9.169e3	7.7614	7.7614	0.0391

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-6.qld

Last Altered: Wednesday, April 21, 2021 12:25:26 Pacific Daylight Time
Printed: Wednesday, April 21, 2021 12:25:44 Pacific Daylight Time

Name: 210407D1_6, Date: 07-Apr-2021, Time: 12:38:51, ID: 2103216-11 USMPDI-064RAB-00-10-210310 12.24, Description: USMPDI-064RAB-00-10-210310, Task: ST210407D1-1

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	29.08	4.235e3	3.867e3	3.396e2	2.217e2	1.53	NO	5.613e2	0.47515	0.47515	0.139
2	Total Penta-Furans	29.22	3.058e4	1.906e4	2.369e3	1.365e3	1.74	NO	3.734e3	3.1607	3.1607	0.139
3	Total Penta-Furans	29.64	2.771e3	1.347e3	1.030e2	6.789e1	1.52	NO	1.709e2	0.14462	0.14462	0.139
4	Total Penta-Furans	29.78	1.361e4	7.857e3	7.579e2	5.376e2	1.41	NO	1.295e3	1.0965	1.0965	0.139
5	Total Penta-Furans	29.92	2.167e3	1.678e3	1.409e2	9.175e1	1.54	NO	2.327e2	0.19694	0.19694	0.139
6	1,2,3,7,8-PeCDF	30.10	4.751e3	2.533e3	2.329e2	1.618e2	1.44	NO	3.947e2	0.32477	0.32477	0.137
7	Total Penta-Furans	30.26	3.383e3	1.715e3	1.234e2	7.496e1	1.65	NO	1.984e2	0.16790	0.16790	0.139
8	Total Penta-Furans	30.34	6.679e3	4.698e3	3.995e2	2.715e2	1.47	NO	6.710e2	0.56792	0.56792	0.139
9	Total Penta-Furans	30.89	2.786e3	1.772e3	1.635e2	9.417e1	1.74	NO	2.577e2	0.21811	0.21811	0.139
10	2,3,4,7,8-PeCDF	31.09	1.848e4	1.301e4	1.094e3	7.049e2	1.55	NO	1.799e3	1.3650	1.3650	0.123

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.35	1.685e4	1.135e4	9.025e2	7.261e2	1.24	NO	1.629e3	1.4242	1.4242	0.188
2	Total Hexa-Furans	32.52	6.374e4	4.918e4	3.609e3	2.984e3	1.21	NO	6.593e3	5.7656	5.7656	0.188
3	Total Hexa-Furans	33.21	6.472e4	4.768e4	3.680e3	2.956e3	1.24	NO	6.636e3	5.8034	5.8034	0.188
4	1,2,3,4,7,8-HxCDF	33.73	8.032e3	6.678e3	5.261e2	3.802e2	1.38	NO	9.063e2	0.79547	0.79547	0.176
5	1,2,3,6,7,8-HxCDF	33.85	5.440e3	5.277e3	3.253e2	2.379e2	1.37	NO	5.631e2	0.46409	0.46409	0.169
6	2,3,4,6,7,8-HxCDF	34.63	7.259e3	7.446e3	5.034e2	4.369e2	1.15	NO	9.402e2	0.87445	0.87445	0.199

Hepta-Furans

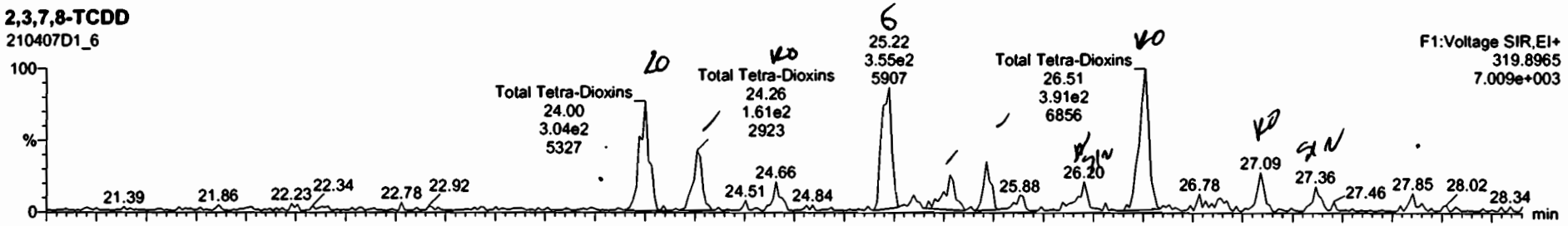
	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	37.29	1.511e5	1.505e5	1.153e4	1.150e4	1.00	NO	2.303e4	25.513	25.513	0.202
2	Total Hepta-Furans	37.87	1.066e5	9.936e4	8.024e3	7.889e3	1.02	NO	1.591e4	20.462	20.462	0.261

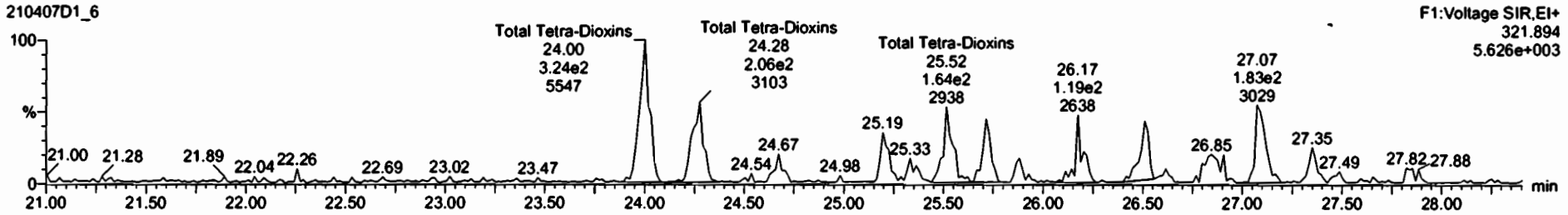
Dataset: Untitled

Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

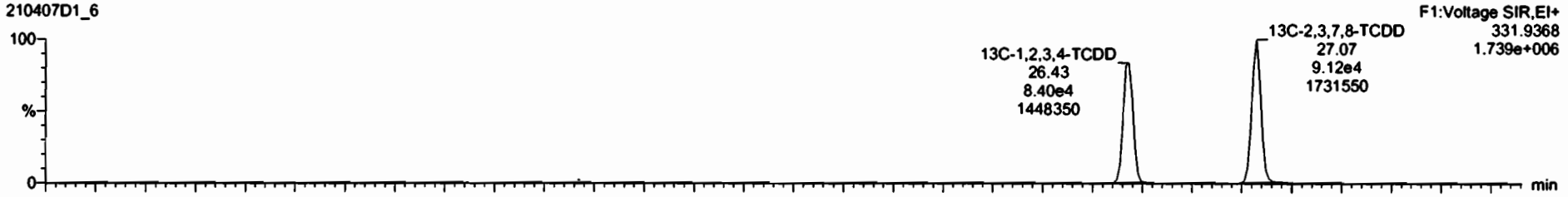
Name: 210407D1_6, Date: 07-Apr-2021, Time: 12:38:51, ID: 2103216-11 USMPDI-064RAB-00-10-210310 12.24, Description: USMPDI-064RAB-00-10-210310

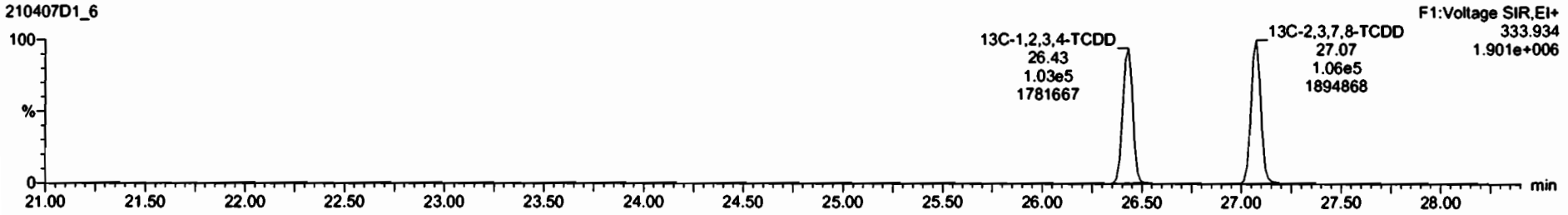
2,3,7,8-TCDD

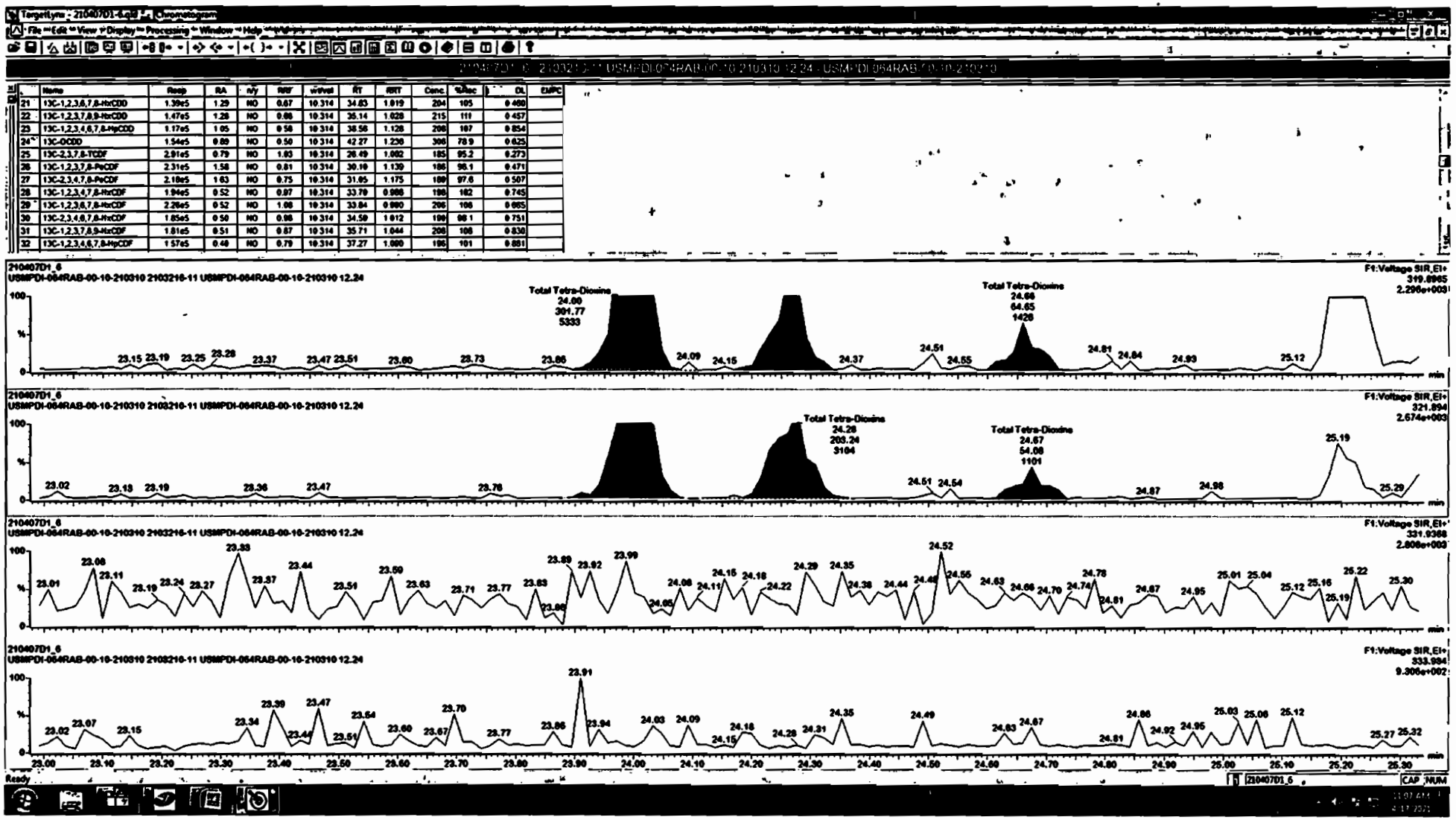


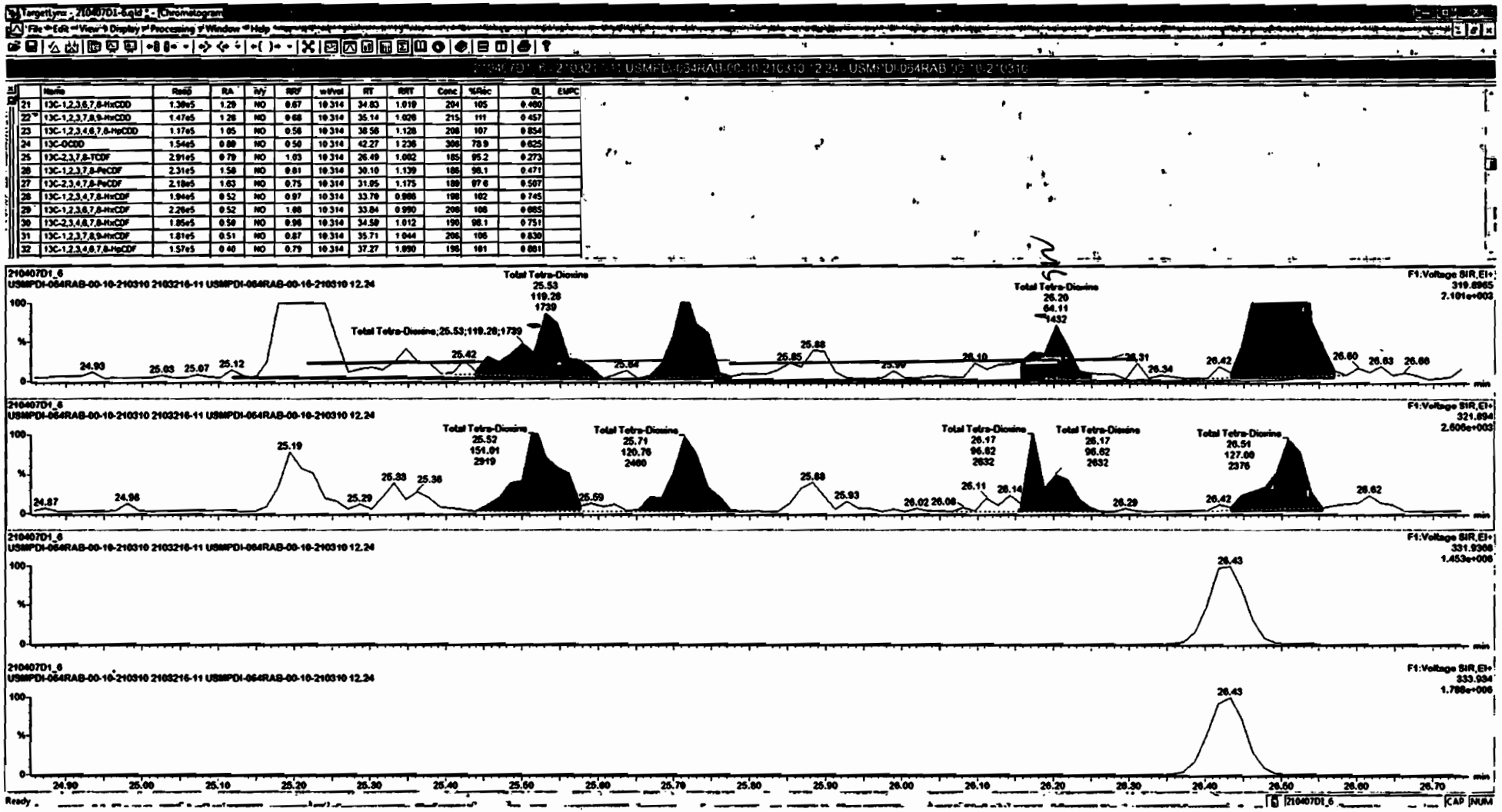


13C-2,3,7,8-TCDD

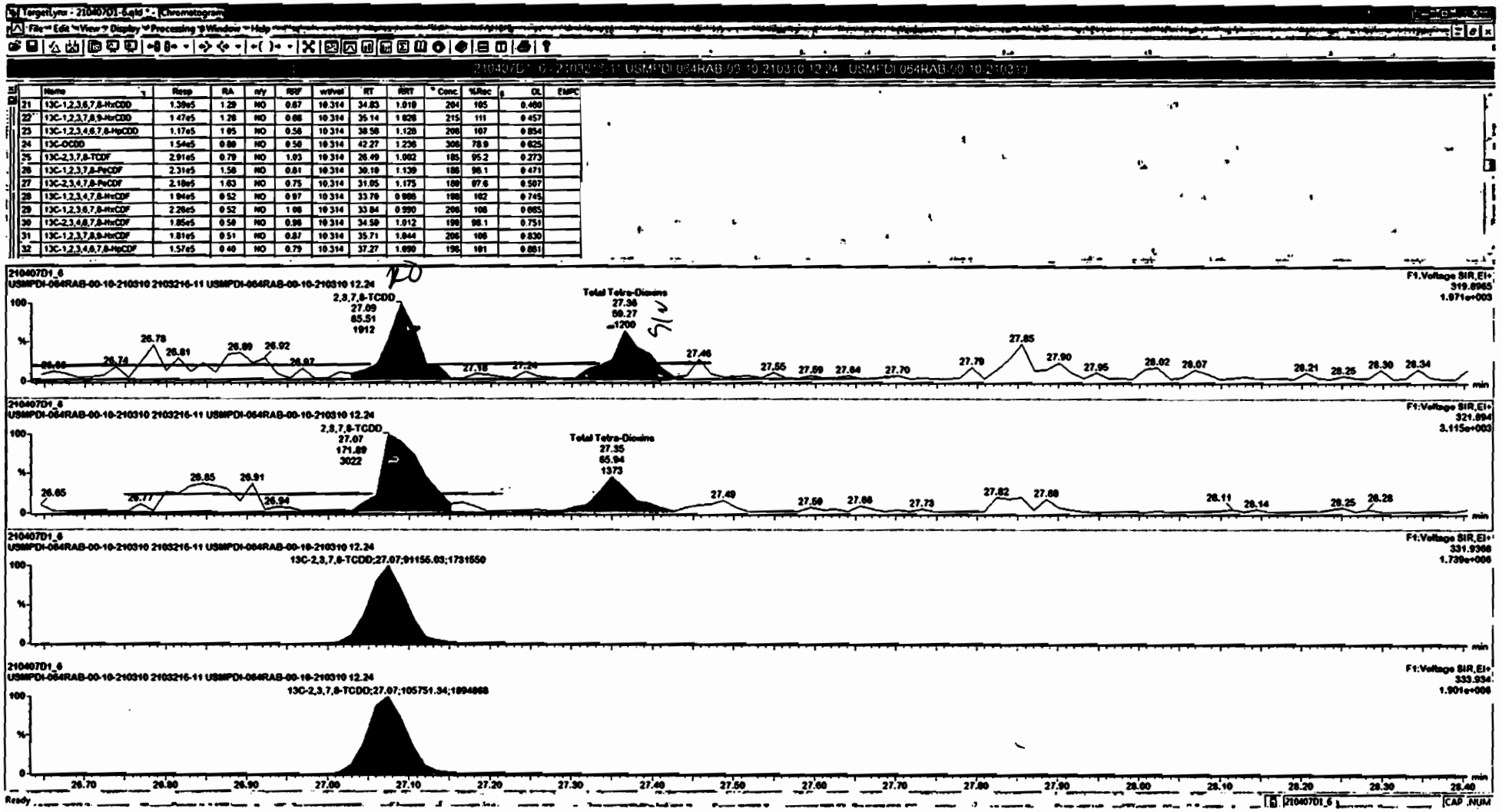





TargetLynx - 210407D1-6.qld Chromatogram
File Edit View Display Processing Window Help
Name Resp RA rrY RRF wdVal RT RRT Conc %Rec DL EMPC
21 13C-1,2,3,6,7,8-HxCDD 1.39e5 1.29 NO 0.67 10.314 34.63 1.019 204 105 0.460
22 13C-1,2,3,7,8,9-HxCDD 1.47e5 1.28 NO 0.68 10.314 35.14 1.028 215 111 0.457
23 13C-1,2,3,4,6,7,8-HpCDD 1.17e5 1.05 NO 0.58 10.314 38.56 1.128 208 107 0.854
24 13C-OCDD 1.54e5 0.89 NO 0.50 10.314 42.27 1.236 306 78.9 0.625
25 13C-2,3,7,8-TCDF 2.91e5 0.79 NO 1.03 10.314 26.49 1.002 185 95.2 0.273
26 13C-1,2,3,7,8-PeCDF 2.31e5 1.58 NO 0.81 10.314 30.19 1.139 186 96.1 0.471
27 13C-2,3,4,7,8-PeCDF 2.18e5 1.63 NO 0.75 10.314 31.05 1.175 189 97.6 0.507
28 13C-1,2,3,4,7,8-HxCDF 1.94e5 0.52 NO 0.97 10.314 33.70 0.988 198 102 0.745
29 13C-1,2,3,6,7,8-HxCDF 2.26e5 0.52 NO 1.08 10.314 33.84 0.990 206 106 0.665
30 13C-2,3,4,6,7,8-HxCDF 1.85e5 0.50 NO 0.96 10.314 34.59 1.012 199 98.1 0.751
31 13C-1,2,3,7,8,9-HxCDF 1.81e5 0.51 NO 0.87 10.314 35.71 1.044 208 108 0.838
32 13C-1,2,3,4,6,7,8-HpCDF 1.57e5 0.48 NO 0.79 10.314 37.27 1.089 195 101 0.881
210407D1_6
USMPDI-064RAB-00-10-210310 2103216-11 USMPDI-064RAB-00-10-210310 12.24
F1:Voltage SIR,EI+
319.8965
2.296e+003
Total Tetra-Dioxins
24.00
301.77
5333
Total Tetra-Dioxins
24.66
64.65
1426
F1:Voltage SIR,EI+
321.894
2.674e+003
Total Tetra-Dioxins
24.28
203.24
3184
Total Tetra-Dioxins
24.67
54.08
1101
F1:Voltage SIR,EI+
331.9368
2.808e+003
F1:Voltage SIR,EI+
333.994
9.306e+002
Ready
CAP NUM



	Name	Resp	RA	Rty	RRF	wWvel	RT	RRT	Conc	%Rec	DL	EMPC
21	13C-1,2,3,6,7,8-HxCDD	1.39e5	1.29	NO	0.67	10 314	34.83	1.019	204	105	0.460	
22	13C-1,2,3,7,8,9-HxCDD	1.47e5	1.28	NO	0.68	10 314	35.14	1.028	215	111	0.457	
23	13C-1,2,3,4,6,7,8-HpCDD	1.17e5	1.05	NO	0.58	10 314	38.58	1.128	208	107	0.854	
24	13C-OCDD	1.54e5	0.89	NO	0.50	10 314	42.27	1.236	368	78.9	0.625	
25	13C-2,3,7,8-TCDF	2.91e5	0.79	NO	1.03	10 314	26.49	1.002	185	95.2	0.273	
26	13C-1,2,3,7,8-PeCDF	2.31e5	1.58	NO	0.81	10 314	30.10	1.139	186	98.1	0.471	
27	13C-2,3,4,7,8-PeCDF	2.18e5	1.63	NO	0.75	10 314	31.05	1.175	189	97.6	0.507	
28	13C-1,2,3,4,7,8-HxCDF	1.94e5	0.52	NO	0.97	10 314	33.70	0.986	198	102	0.745	
29	13C-1,2,3,6,7,8-HxCDF	2.26e5	0.52	NO	1.08	10 314	33.84	0.990	208	108	0.685	
30	13C-2,3,4,6,7,8-HxCDF	1.85e5	0.59	NO	0.96	10 314	34.59	1.012	190	98.1	0.751	
31	13C-1,2,3,7,8,9-HxCDF	1.81e5	0.51	NO	0.87	10 314	35.71	1.044	206	106	0.830	
32	13C-1,2,3,4,6,7,8-HpCDF	1.57e5	0.40	NO	0.79	10 314	37.27	1.090	198	101	0.881	

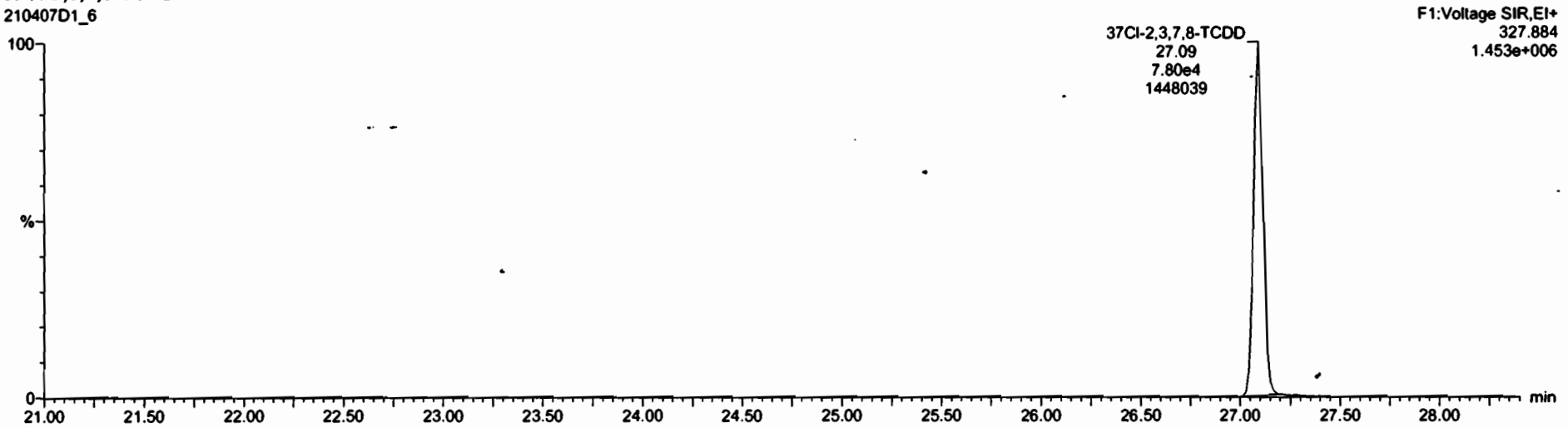

TargetLynx - 210407D1-6.qld - Chromatogram
File Edit View Display Processing Window Help
210407D1_6 - 2103216-11 USMPDI-064RAB-00-10-210310 12.24 USMPDI-064RAB-00-10-210310
Name | Resp | RA | n/y | RRF | wtVol | RT | RRT | Conc. | %Rec | DL | EMPC
21 13C-1,2,3,6,7,8-HxCDD 1.39e5 1.29 NO 0.87 10.314 34.83 1.019 204 105 0.469
22 13C-1,2,3,7,8,9-HxCDD 1.47e5 1.28 NO 0.88 10.314 35.14 1.028 215 111 0.457
23 13C-1,2,3,4,6,7,8-HpCDD 1.17e5 1.05 NO 0.58 10.314 38.56 1.128 208 107 0.854
24 13C-OCDD 1.54e5 0.88 NO 0.50 10.314 42.27 1.236 308 78.9 0.625
25 13C-2,3,7,8-TCDF 2.91e5 0.79 NO 1.03 10.314 26.49 1.002 185 95.2 0.273
26 13C-1,2,3,7,8-PeCDF 2.31e5 1.58 NO 0.81 10.314 30.10 1.139 188 96.1 0.471
27 13C-2,3,4,7,8-PeCDF 2.18e5 1.63 NO 0.75 10.314 31.05 1.175 189 97.6 0.507
28 13C-1,2,3,4,7,8-HxCDF 1.94e5 0.52 NO 0.97 10.314 33.79 0.988 198 102 0.745
29 13C-1,2,3,6,7,8-HxCDF 2.26e5 0.52 NO 1.06 10.314 33.84 0.990 206 106 0.665
30 13C-2,3,4,6,7,8-HxCDF 1.85e5 0.50 NO 0.96 10.314 34.59 1.012 198 98.1 0.751
31 13C-1,2,3,7,8,9-HxCDF 1.81e5 0.51 NO 0.87 10.314 35.71 1.044 206 105 0.830
32 13C-1,2,3,4,6,7,8-HpCDF 1.57e5 0.40 NO 0.79 10.314 37.27 1.090 196 101 0.881
210407D1_6
USMPDI-064RAB-00-10-210310 2103216-11 USMPDI-064RAB-00-10-210310 12.24
2,3,7,8-TCDD
27.09
65.51
1912
Total Tetra-Dioxins
27.36
59.27
=1200
F1:Voltage SIR,EI+
319.8965
1.971e+003
210407D1_6
USMPDI-064RAB-00-10-210310 2103216-11 USMPDI-064RAB-00-10-210310 12.24
2,3,7,8-TCDD
27.07
171.89
3022
Total Tetra-Dioxins
27.35
65.94
1373
F1:Voltage SIR,EI+
321.894
3.115e+003
210407D1_6
USMPDI-064RAB-00-10-210310 2103216-11 USMPDI-064RAB-00-10-210310 12.24
13C-2,3,7,8-TCDD;27.07;91156.63;1731550
F1:Voltage SIR,EI+
331.9368
1.739e+006
210407D1_6
USMPDI-064RAB-00-10-210310 2103216-11 USMPDI-064RAB-00-10-210310 12.24
13C-2,3,7,8-TCDD;27.07;105751.34;1894868
F1:Voltage SIR,EI+
333.934
1.901e+006
Ready
210407D1_6
CAP NUM

Dataset: Untitled

Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_6, Date: 07-Apr-2021, Time: 12:38:51, ID: 2103216-11 USMPDI-064RAB-00-10-210310 12.24, Description: USMPDI-064RAB-00-10-210310

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



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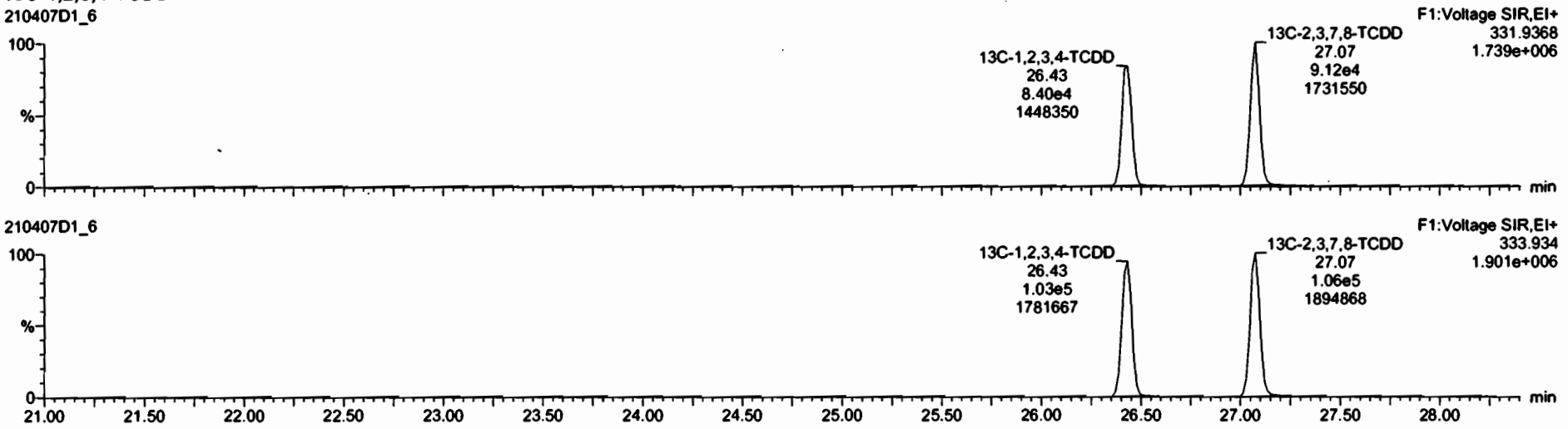

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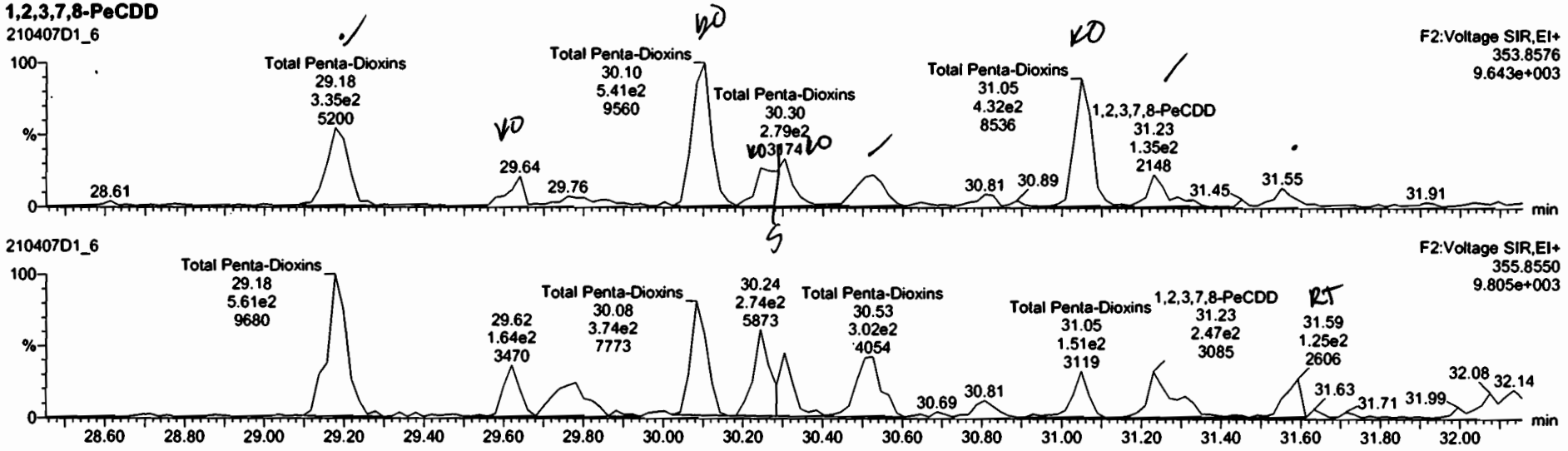
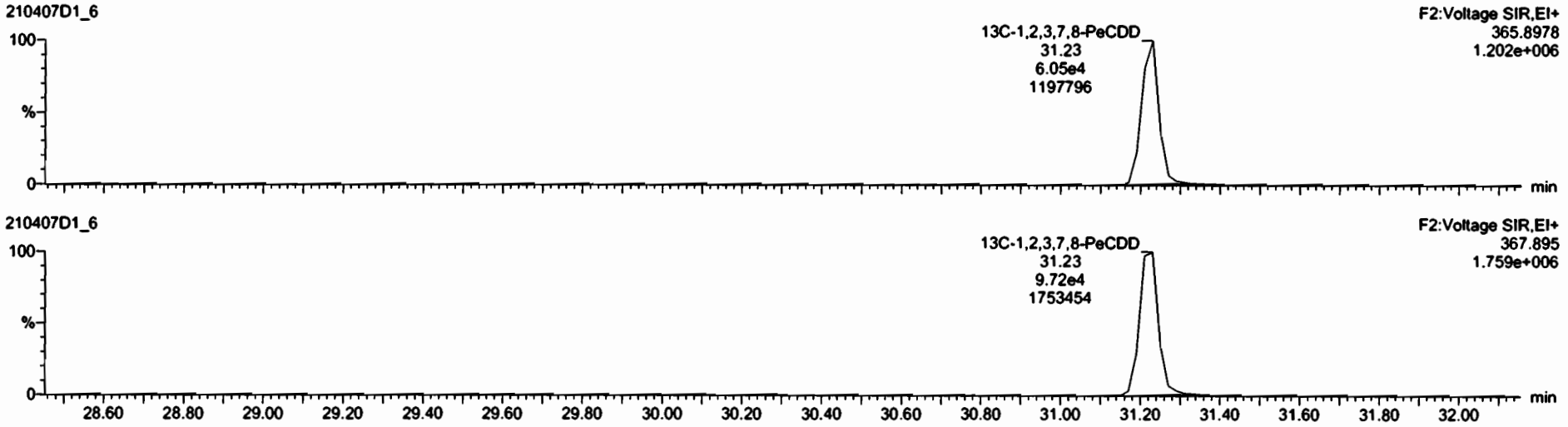
1,2,3,7,8-PeCDD



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

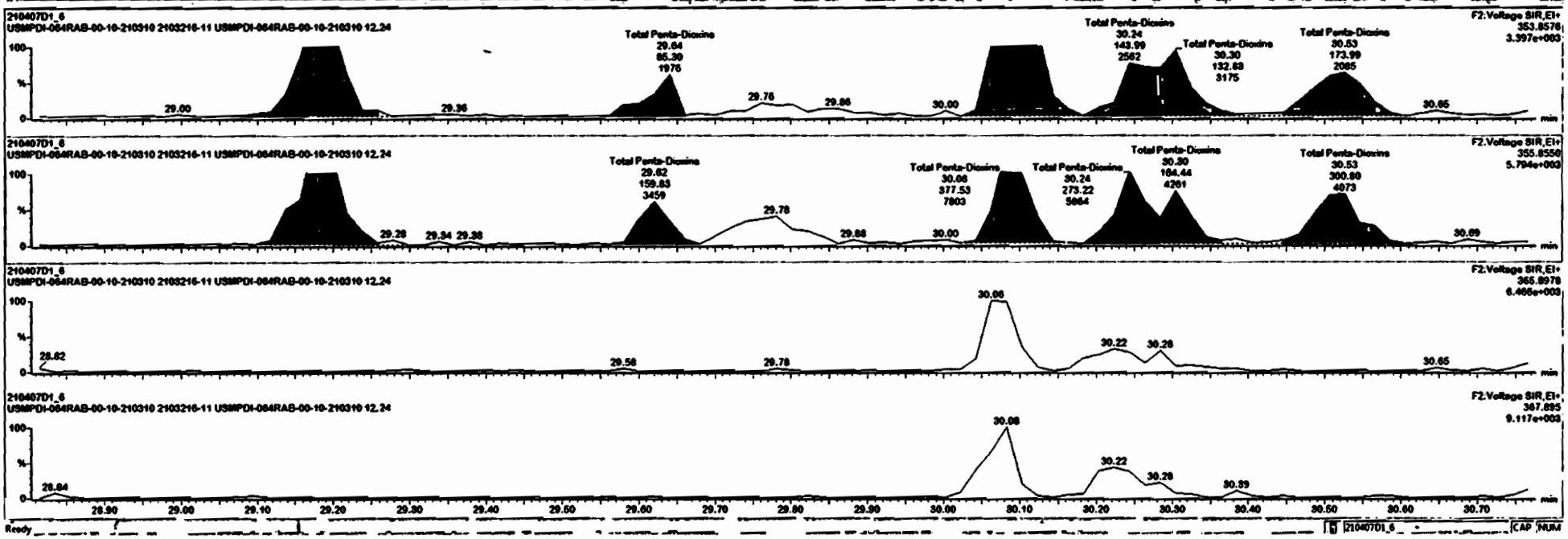


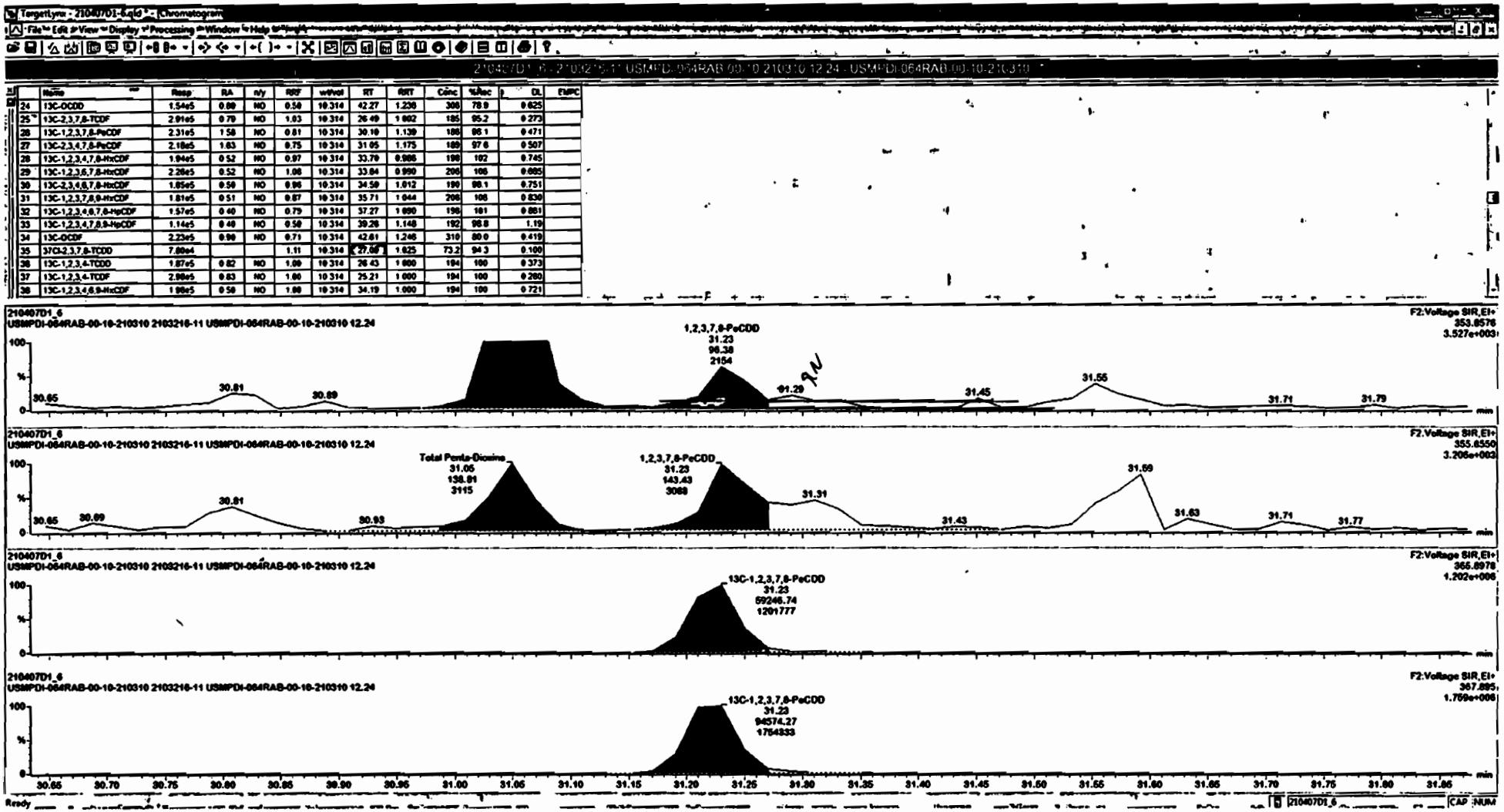
TargetLynx - 210407D1_6.qld * - [Chromatogram]

File Edit View Display Processing Window Help

210407D1_6 - 2103216-11 USMPDI-064RAB-00-10-210310 12.24 - USMPDI-064RAB-00-10-210310

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
24	13C-OCDD	1.54e5	0.89	NO	0.50	10.314	42.27	1.236	306	78.9	0.625	
25	13C-2,3,7,8-TCDF	2.91e5	0.79	NO	1.03	10.314	26.49	1.002	185	95.2	0.273	
26	13C-1,2,3,7,8-PeCDF	2.31e5	1.58	NO	0.81	10.314	30.10	1.130	188	98.1	0.471	
27	13C-2,3,4,7,8-PeCDF	2.18e5	1.63	NO	0.75	10.314	31.05	1.175	189	97.0	0.507	
28	13C-1,2,3,4,7,8-HxCDF	1.94e5	0.52	NO	0.97	10.314	33.70	0.986	198	102	0.745	
29	13C-1,2,3,6,7,8-HxCDF	2.26e5	0.52	NO	1.08	10.314	33.84	0.990	206	106	0.665	
30	13C-2,3,4,6,7,8-HxCDF	1.85e5	0.50	NO	0.96	10.314	34.50	1.012	190	98.1	0.751	
31	13C-1,2,3,7,8,9-HxCDF	1.81e5	0.51	NO	0.87	10.314	35.71	1.044	206	106	0.830	
32	13C-1,2,3,4,6,7,8-HpCDF	1.57e5	0.40	NO	0.79	10.314	37.27	1.090	196	101	0.881	
33	13C-1,2,3,4,7,8,9-HpCDF	1.14e5	0.40	NO	0.50	10.314	39.26	1.148	192	98.8	1.19	
34	13C-OCDF	2.23e5	0.90	NO	0.71	10.314	42.61	1.246	310	80.0	0.419	
35	37Cl-2,3,7,8-TCDD	7.80e4			1.11	10.314	27.09	1.025	73.2	94.3	0.100	
36	13C-1,2,3,4-TCDD	1.87e5	0.82	NO	1.00	10.314	26.43	1.000	194	100	0.373	
37	13C-1,2,3,4-TCDF	2.98e5	0.83	NO	1.00	10.314	25.21	1.000	194	100	0.280	
38	13C-1,2,3,4,6,9-HxCDF	1.98e5	0.50	NO	1.00	10.314	34.19	1.000	194	100	0.721	




TargetLynx - 210407D1-6.qld - Chromatogram
File Edit View Display Processing Window Help
210407D1_6 - 210407D1-6 USMPDI-064RAB-00-10-210310 12.24 - USMPDI-064RAB-00-10-210310
Name Resp RA n/y RRF wt/vol RT RRT Conc %Rec DL EMPC
24 13C-OCDD 1.54e5 0.00 NO 0.50 10.314 42.27 1.236 300 78.9 0.625
25 13C-2,3,7,8-TCDF 2.91e5 0.79 NO 1.03 10.314 26.49 1.002 185 95.2 0.273
26 13C-1,2,3,7,8-PeCDF 2.31e5 1.58 NO 0.81 10.314 30.10 1.139 188 96.1 0.471
27 13C-2,3,4,7,8-PeCDF 2.18e5 1.63 NO 0.75 10.314 31.05 1.175 189 97.6 0.507
28 13C-1,2,3,4,7,8-HxCDF 1.94e5 0.52 NO 0.97 10.314 33.79 0.986 198 102 0.745
29 13C-1,2,3,6,7,8-HxCDF 2.26e5 0.52 NO 1.06 10.314 33.84 0.990 206 106 0.665
30 13C-2,3,4,6,7,8-HxCDF 1.85e5 0.50 NO 0.96 10.314 34.50 1.012 199 98.1 0.751
31 13C-1,2,3,7,8,9-HxCDF 1.81e5 0.51 NO 0.87 10.314 35.71 1.044 206 106 0.839
32 13C-1,2,3,4,6,7,8-HpCDF 1.57e5 0.40 NO 0.79 10.314 37.27 1.090 196 101 0.881
33 13C-1,2,3,4,7,8,9-HpCDF 1.14e5 0.40 NO 0.58 10.314 39.26 1.148 192 98.8 1.19
34 13C-OCDF 2.23e5 0.90 NO 0.71 10.314 42.61 1.246 310 80.0 0.419
35 37Cl-2,3,7,8-TCDD 7.80e4 1.11 10.314 27.66 1.025 73.2 94.3 0.100
36 13C-1,2,3,4-TCDD 1.87e5 0.82 NO 1.09 10.314 26.43 1.000 194 100 0.373
37 13C-1,2,3,4-TCDF 2.98e5 0.83 NO 1.00 10.314 25.21 1.000 194 100 0.260
38 13C-1,2,3,4,6,9-HxCDF 1.98e5 0.58 NO 1.00 10.314 34.19 1.000 194 100 0.721
210407D1_6
USMPDI-064RAB-00-10-210310 2103216-11 USMPDI-064RAB-00-10-210310 12.24
F2:Voltage SIR,EI+ 353.8576 3.527e+003
1,2,3,7,8-PeCDD 31.23 96.38 2154
30.65 30.81 30.89 31.29 31.45 31.55 31.71 31.79
210407D1_6
USMPDI-064RAB-00-10-210310 2103216-11 USMPDI-064RAB-00-10-210310 12.24
F2:Voltage SIR,EI+ 355.8550 3.206e+003
Total Penta-Dioxins 31.05 138.91 3115
1,2,3,7,8-PeCDD 31.23 143.43 3068
30.65 30.69 30.81 30.93 31.31 31.43 31.59 31.63 31.71 31.77
210407D1_6
USMPDI-064RAB-00-10-210310 2103216-11 USMPDI-064RAB-00-10-210310 12.24
F2:Voltage SIR,EI+ 365.8978 1.202e+006
13C-1,2,3,7,8-PeCDD 31.23 59246.74 1201777
210407D1_6
USMPDI-064RAB-00-10-210310 2103216-11 USMPDI-064RAB-00-10-210310 12.24
F2:Voltage SIR,EI+ 367.895 1.759e+006
13C-1,2,3,7,8-PeCDD 31.23 94574.27 1754333
30.65 30.70 30.75 30.80 30.85 30.90 30.95 31.00 31.05 31.10 31.15 31.20 31.25 31.30 31.35 31.40 31.45 31.50 31.55 31.60 31.65 31.70 31.75 31.80 31.85
Ready
210407D1_6
CAP NUM

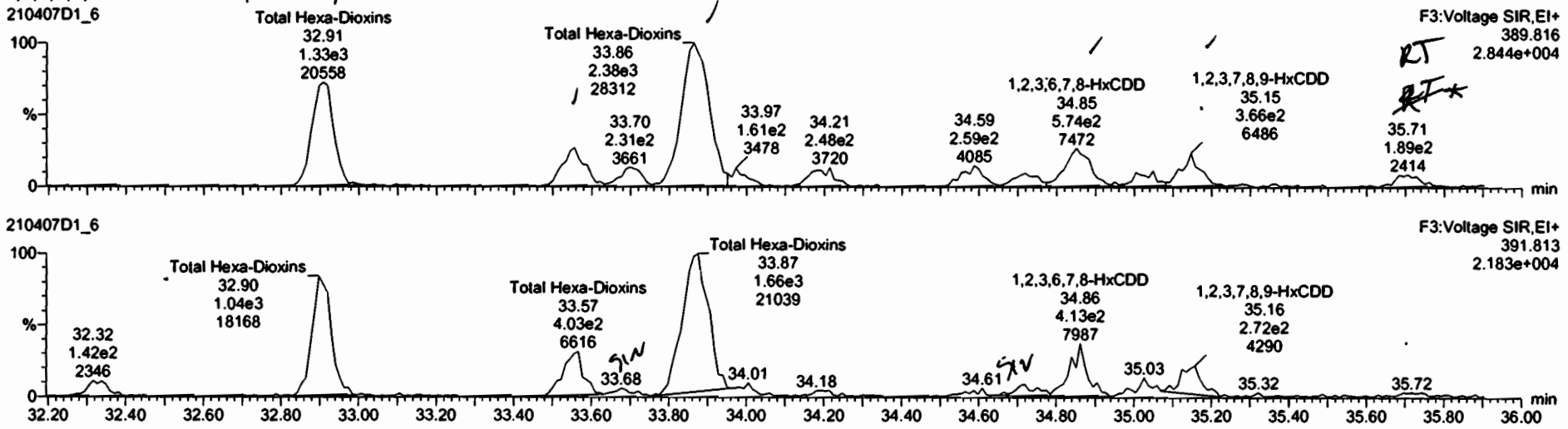
Dataset: Untitled

Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

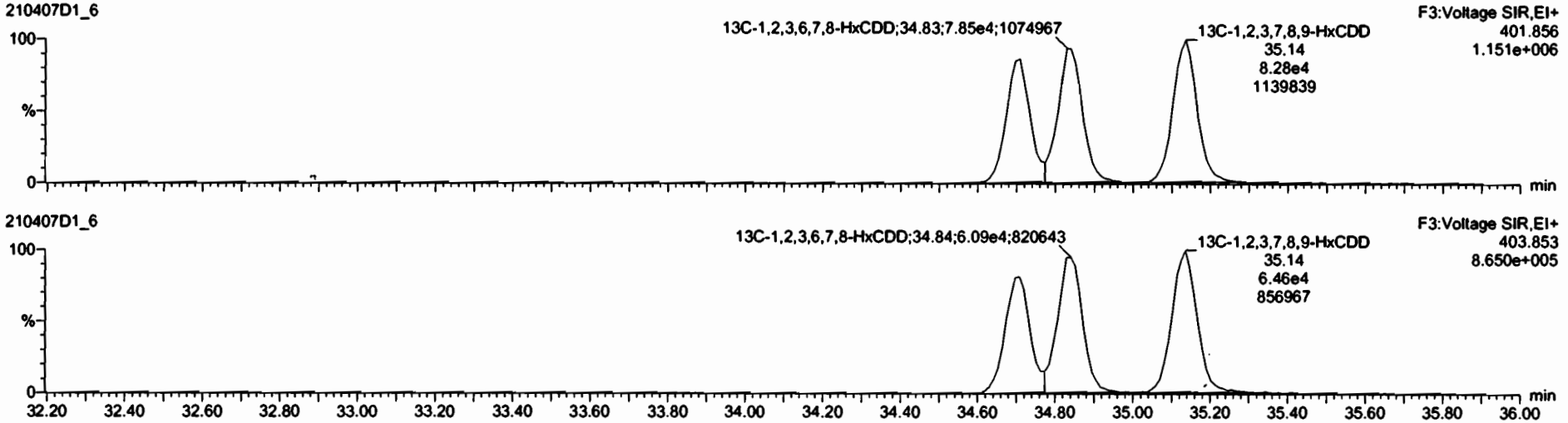
DF 04/17/21

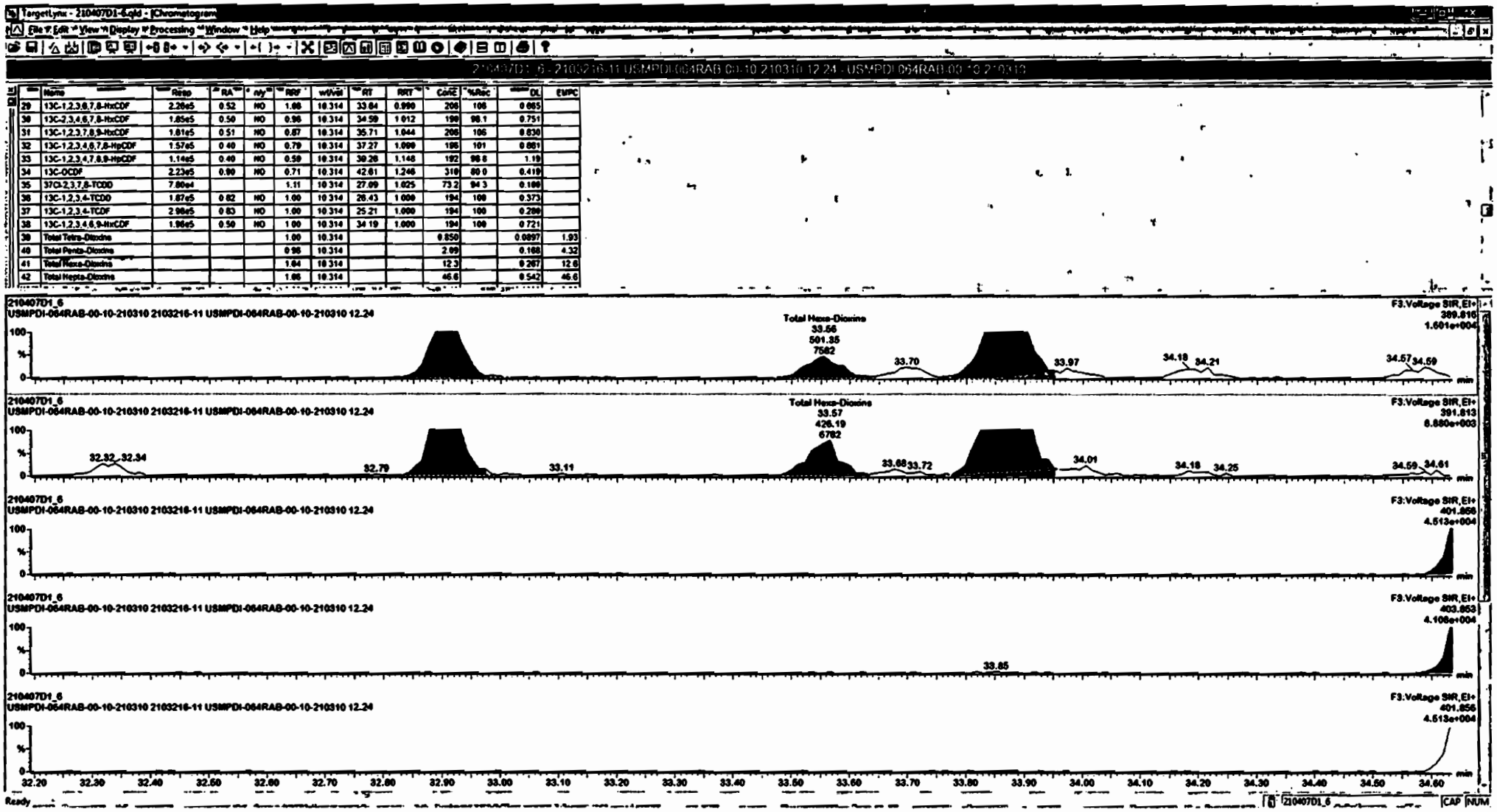
Name: 210407D1_6, Date: 07-Apr-2021, Time: 12:38:51, ID: 2103216-11 USMPDI-064RAB-00-10-210310 12.24, Description: USMPDI-064RAB-00-10-210310

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

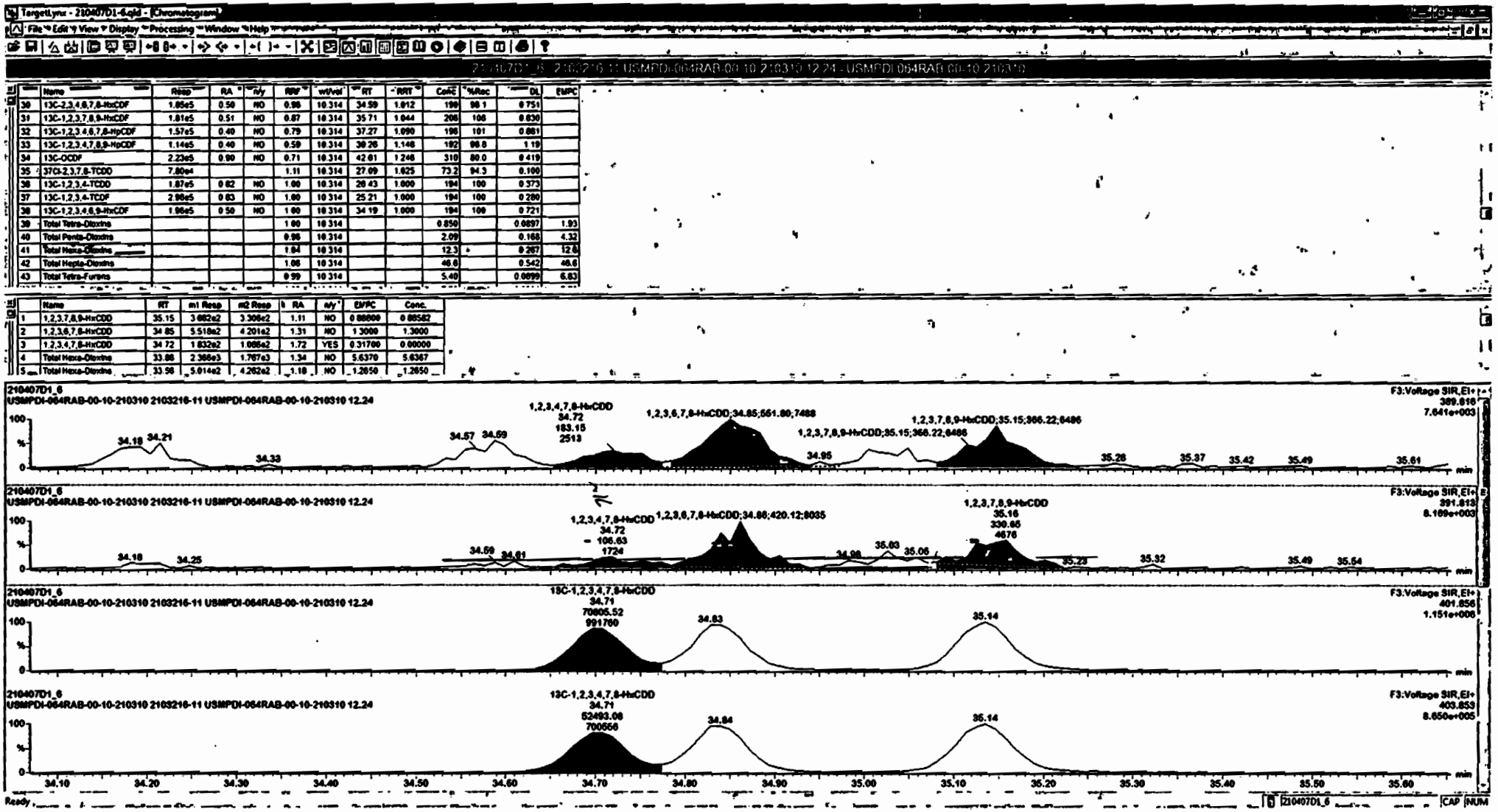


13C-1,2,3,4,7,8-HxCDD





	Name	Resp	RA	rty	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
29	13C-1,2,3,6,7,8-HxCDF	2.26e5	0.52	NO	1.66	10.314	33.64	0.999	208	106	0.665	
30	13C-2,3,4,6,7,8-HxCDF	1.85e5	0.50	NO	0.96	10.314	34.59	1.012	190	96.1	0.751	
31	13C-1,2,3,7,8,9-HxCDF	1.81e5	0.51	NO	0.87	10.314	35.71	1.044	200	100	0.830	
32	13C-1,2,3,4,6,7,8-HpCDF	1.57e5	0.40	NO	0.79	10.314	37.27	1.090	196	101	0.861	
33	13C-1,2,3,4,7,8,9-HpCDF	1.14e5	0.40	NO	0.59	10.314	39.26	1.148	192	98.8	1.19	
34	13C-OCDF	2.23e5	0.99	NO	0.71	10.314	42.61	1.246	319	80.0	0.419	
35	37Cl-2,3,7,8-TCDD	7.80e4			1.11	10.314	27.09	1.025	73.2	94.3	0.189	
36	13C-1,2,3,4-TCDD	1.67e5	0.82	NO	1.00	10.314	26.43	1.000	194	100	0.373	
37	13C-1,2,3,4-TCDF	2.98e5	0.83	NO	1.00	10.314	25.21	1.000	194	100	0.289	
38	13C-1,2,3,4,6,9-HxCDF	1.96e5	0.50	NO	1.00	10.314	34.19	1.000	194	100	0.721	
39	Total Tetra-Dioxins				1.00	10.314			0.850		0.0897	1.93
40	Total Penta-Dioxins				0.98	10.314			2.09		0.168	4.32
41	Total Hexa-Dioxins				1.04	10.314			12.3		0.267	12.6
42	Total Hepta-Dioxins				1.06	10.314			46.6		0.542	46.6



	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
30	13C-2,3,4,6,7,8-HxCDF	1.85e5	0.50	NO	0.96	10.314	34.59	1.012	198	98.1	0.751	
31	13C-1,2,3,7,8,9-HxCDF	1.81e5	0.51	NO	0.87	10.314	35.71	1.044	208	106	0.830	
32	13C-1,2,3,4,6,7,8-HpCDF	1.57e5	0.40	NO	0.79	10.314	37.27	1.090	196	101	0.881	
33	13C-1,2,3,4,7,8,9-HpCDF	1.14e5	0.40	NO	0.59	10.314	39.26	1.148	192	98.8	1.19	
34	13C-OCDF	2.23e5	0.90	NO	0.71	10.314	42.01	1.246	310	80.0	0.419	
35	37Cl-2,3,7,8-TCDD	7.80e4			1.11	10.314	27.09	1.625	73.2	94.3	0.100	
36	13C-1,2,3,4-TCDD	1.87e5	0.82	NO	1.00	10.314	28.43	1.000	194	100	0.373	
37	13C-1,2,3,4-TCDF	2.98e5	0.83	NO	1.00	10.314	25.21	1.000	194	100	0.280	
38	13C-1,2,3,4,6,9-HxCDF	1.96e5	0.50	NO	1.00	10.314	34.19	1.000	194	100	0.721	
39	Total Tetra-Dioxins				1.00	10.314			0.850		0.0897	1.93
40	Total Penta-Dioxins				0.96	10.314			2.09		0.168	4.32
41	Total Hexa-Dioxins				1.04	10.314			12.3		0.267	12.6
42	Total Hepta-Dioxins				1.06	10.314			46.6		0.542	46.6
43	Total Tetra-Furans				0.99	10.314			5.40		0.0899	6.83

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	1,2,3,7,8,9-HxCDD	35.15	3.662e2	3.306e2	1.11	NO	0.86600	0.86582
2	1,2,3,6,7,8-HxCDD	34.85	5.518e2	4.201e2	1.31	NO	1.3000	1.3000
3	1,2,3,4,7,8-HxCDD	34.72	1.832e2	1.068e2	1.72	YES	0.31700	0.00000
4	Total Hexa-Dioxins	33.86	2.366e3	1.767e3	1.34	NO	5.6370	5.6367
5	Total Hexa-Dioxins	33.98	5.014e2	4.262e2	1.18	NO	1.2650	1.2650

Dataset: Untitled

Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
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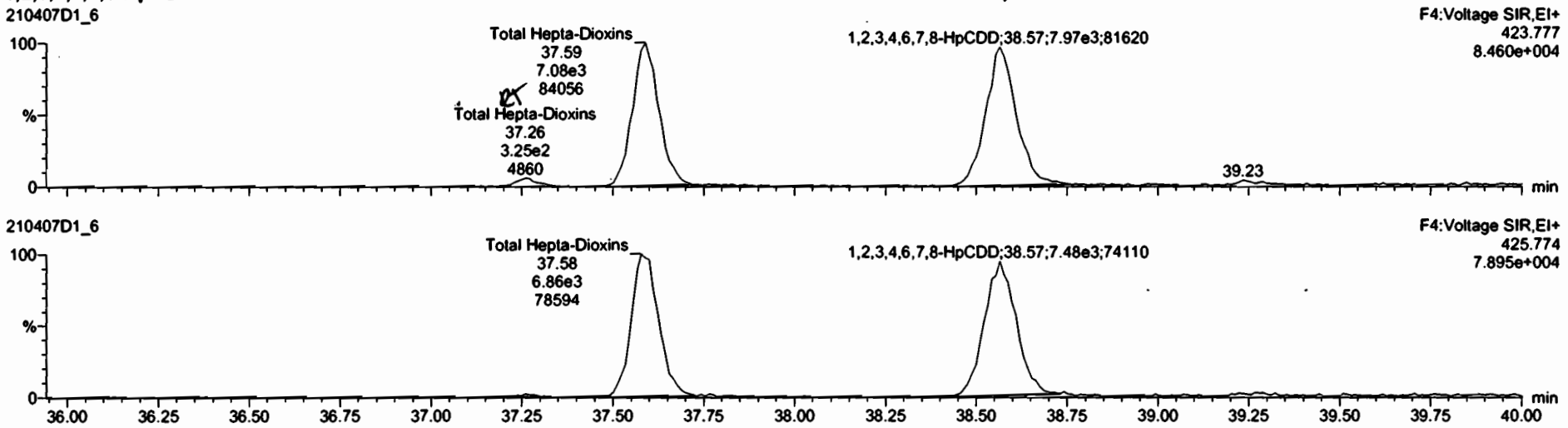
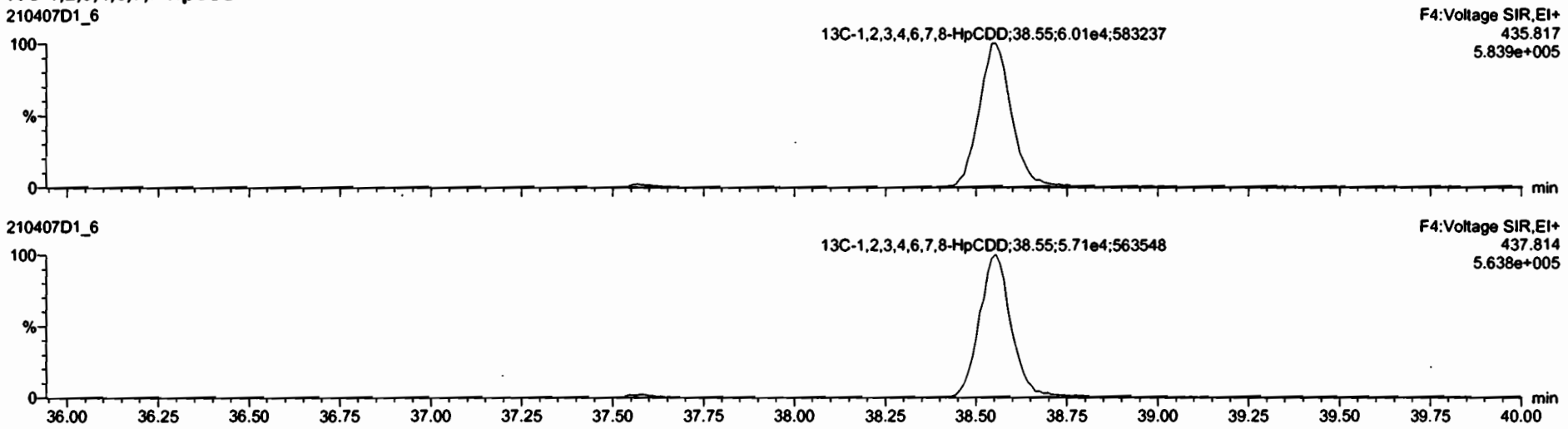
Name: 210407D1_6, Date: 07-Apr-2021, Time: 12:38:51, ID: 2103216-11 USMPDI-064RAB-00-10-210310 12.24, Description: USMPDI-064RAB-00-10-210310

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



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

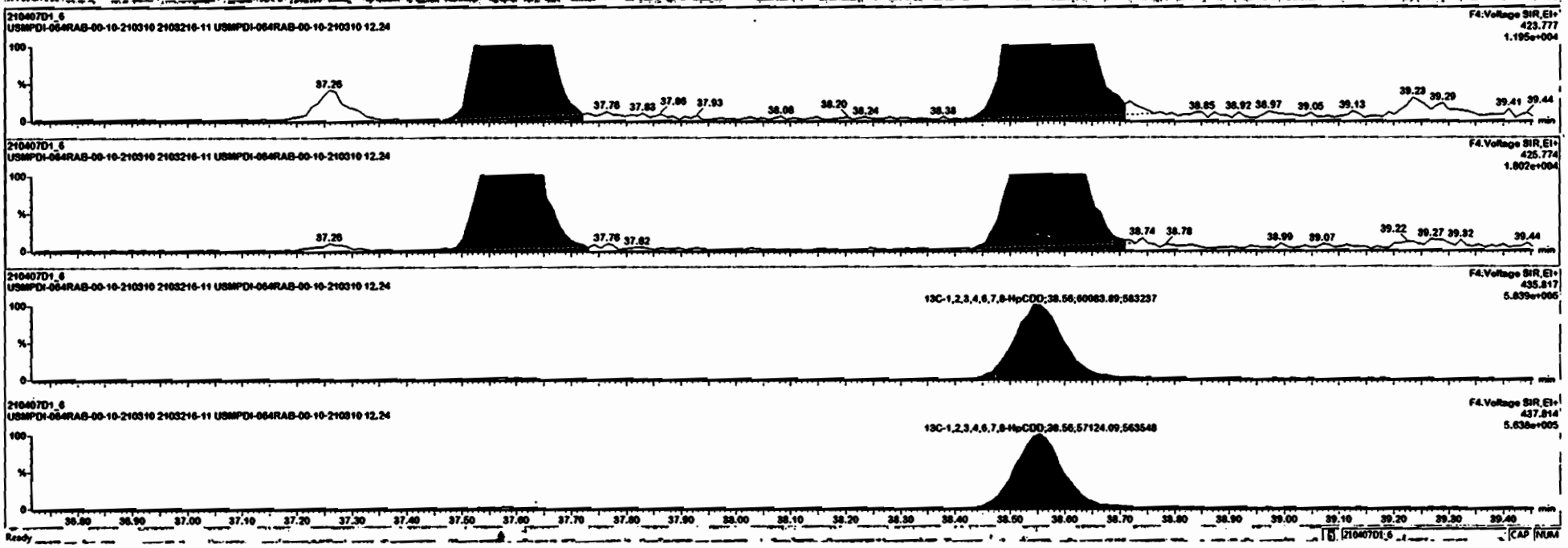


TargetLynx - 210407D1-6.qld Chromatogram

File Edit View Display Processing Window Help

210407D1_6 - 2103216-11 USMPDI-064RAB-00-10-210310 12.24 - USMPDI-064RAB-00-10-210310

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	#	DL	EMPC
42	Total Hepta-Dioxins				1.06	10.314			46.6			0.542	46.6
43	Total Tetra-Furans				0.99	10.314			5.40			0.0899	6.82
44	1st Func. Penta-Furans				1.02	10.314			7.76			0.0391	7.76
45	Total Penta-Furans				1.02	10.314			6.43			0.139	6.87
46	Total Hexa-Furans				1.13	10.314			15.1			0.188	15.1
47	Total Hepta-Furans				1.11	10.314			46.0			0.281	46.0
48	PFK1												
49	PFK2												
50	PFK3												
51	PFK4												
52	PFK5												
53	DPE1												
54	DPE2												
55	DPE3												



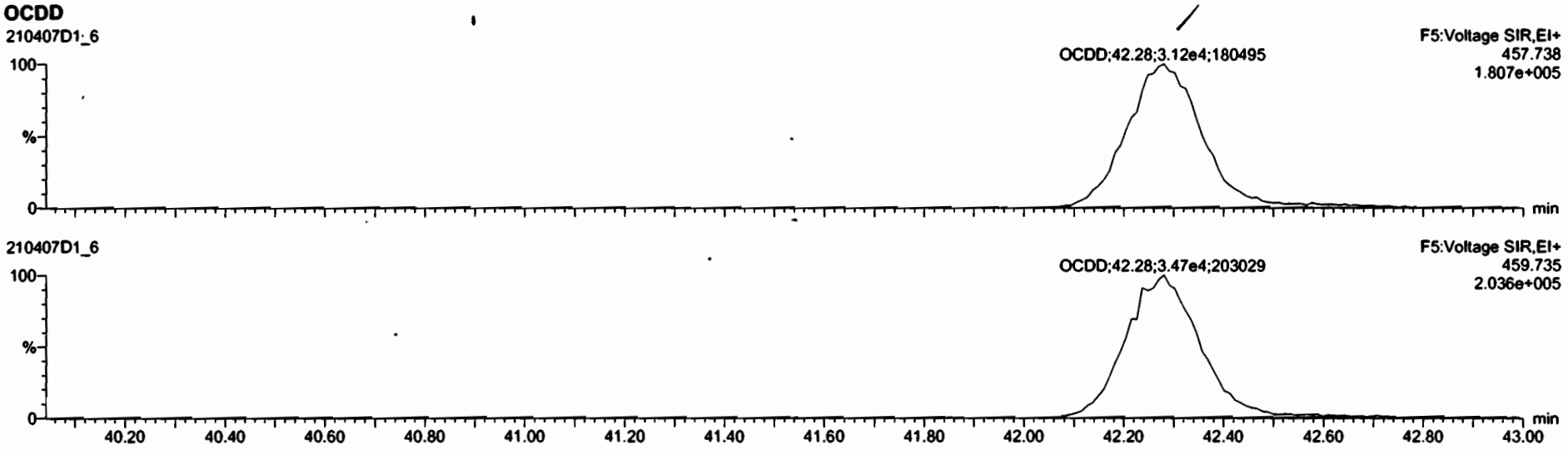
Ready 210407D1_6 CAP NUM

Dataset: Untitled

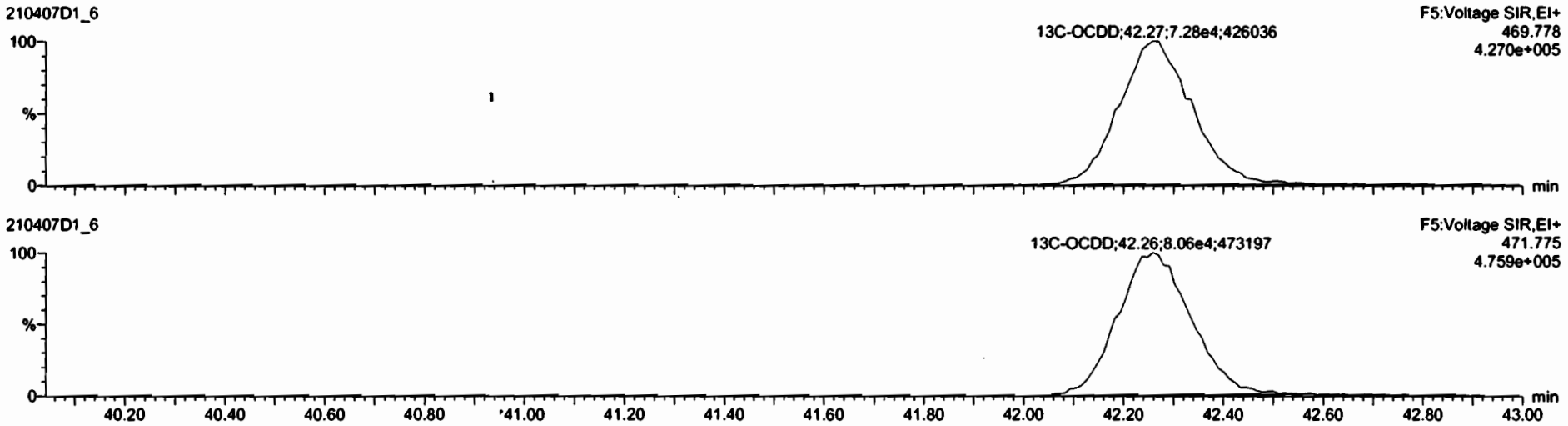
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_6, Date: 07-Apr-2021, Time: 12:38:51, ID: 2103216-11 USMPDI-064RAB-00-10-210310 12.24, Description: USMPDI-064RAB-00-10-210310

OCDD



13C-OCDD



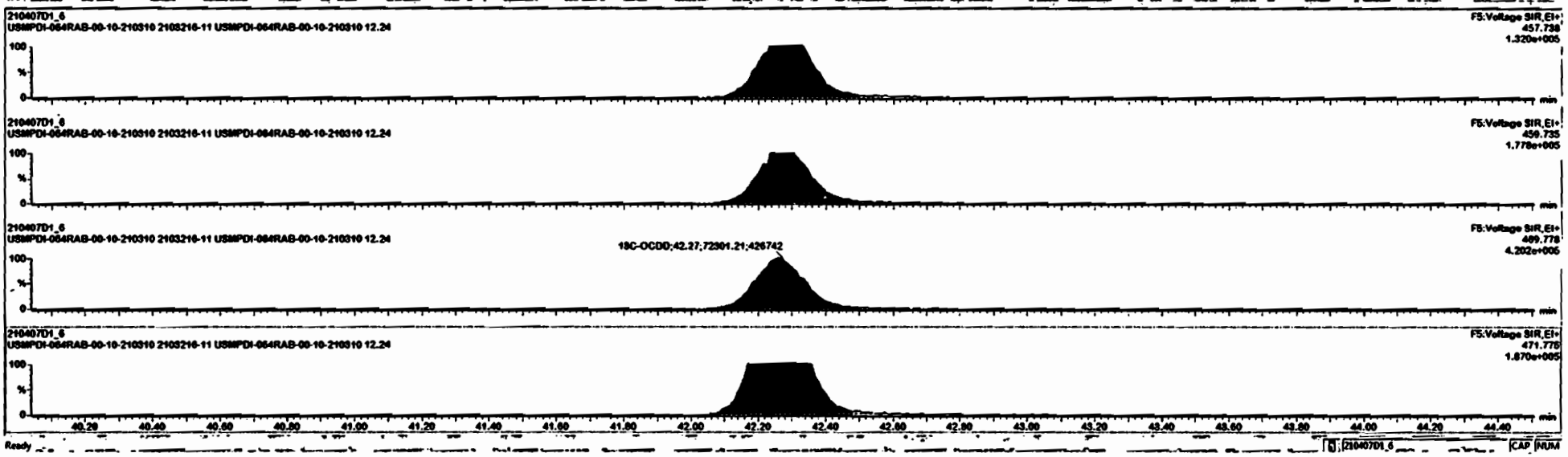
TargetLynx - 210407D1-6.qld - Chromatogram

File Edit View Display Processing Window Help

210407D1_6 - 2103216-11 USMPDI-064RAB-00-10-210310 12.24 - USMPDI-064RAB-00-10-210310

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
6	1,2,3,4,6,7,8-HpCDD	1.57e4	1.05	NO	1.08	10.314	38.58	1.000	24.5		0.542	24.5
7	OCDD	6.55e4	0.90	NO	0.98	10.314	42.28	1.000	100		5.21	100
8	2,3,7,8-TCDF	6.11e2	0.83	NO	0.99	10.314	26.52	1.001	0.411		0.0800	0.411
9	1,2,3,7,8-PeCDF	3.95e2	1.44	NO	1.02	10.314	30.10	1.000	0.325		0.137	0.325
10	2,3,4,7,8-PeCDF	1.80e3	1.55	NO	1.17	10.314	31.09	1.001	1.37		0.123	1.37
11	1,2,3,4,7,8-HxCDF	9.06e2	1.38	NO	1.14	10.314	33.73	1.001	0.795		0.176	0.795
12	1,2,3,6,7,8-HxCDF	5.63e2	1.37	NO	1.04	10.314	33.85	1.000	0.464		0.169	0.464
13	2,3,4,6,7,8-HxCDF	9.40e2	1.15	NO	1.13	10.314	34.63	1.001	0.874		0.199	0.874
14	1,2,3,7,8,9-HxCDF			NO	1.07	10.314					0.240	
15	1,2,3,4,6,7,8-HpCDF	2.30e4	1.00	NO	1.11	10.314	37.29	1.001	25.5		0.202	25.5
16	1,2,3,4,7,8,9-HpCDF			NO	1.32	10.314					0.290	
17	OCDF	1.05e4	0.86	NO	0.93	10.314	42.62	1.000	19.6		0.447	19.6
18	13C-2,3,7,8-TCDD	1.97e5	0.88	NO	1.20	10.314	27.07	1.024	179	87.6	0.310	
19	13C-1,2,3,7,8-PeCDD	1.54e5	0.63	NO	0.86	10.314	31.23	1.181	185	95.3	0.194	

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

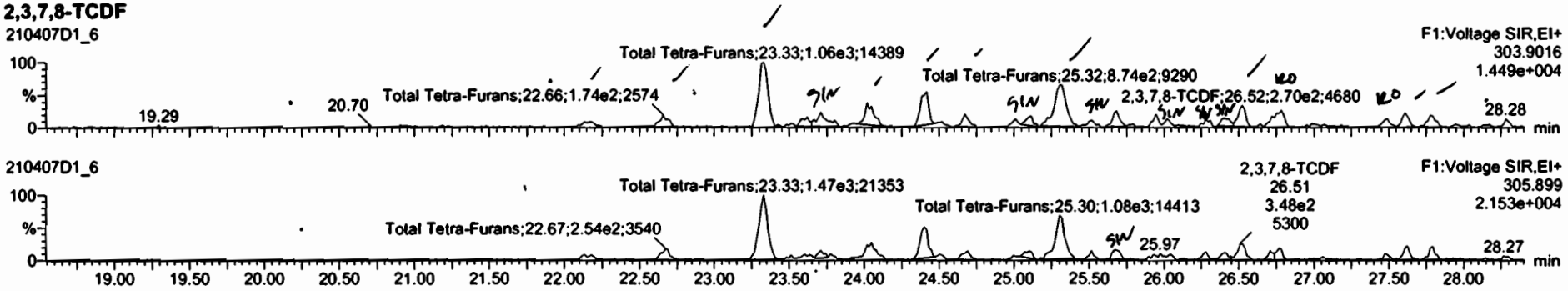


Dataset: Untitled

Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_6, Date: 07-Apr-2021, Time: 12:38:51, ID: 2103216-11 USMPDI-064RAB-00-10-210310 12.24, Description: USMPDI-064RAB-00-10-210310

2,3,7,8-TCDF



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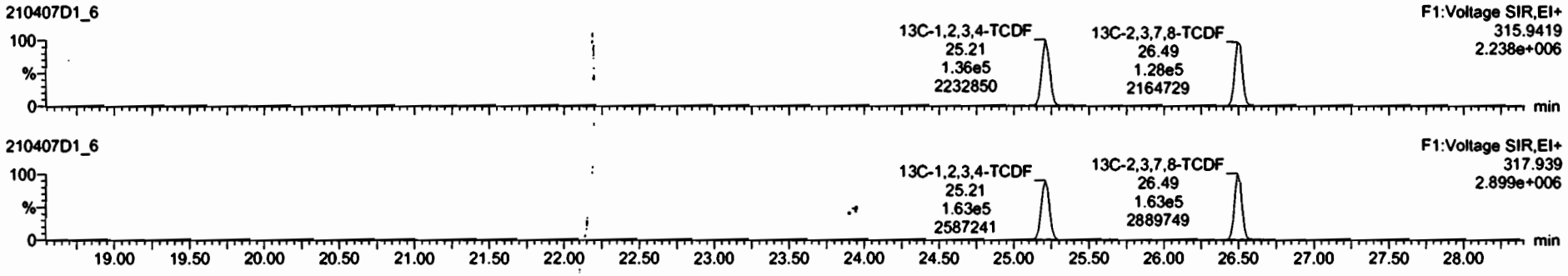

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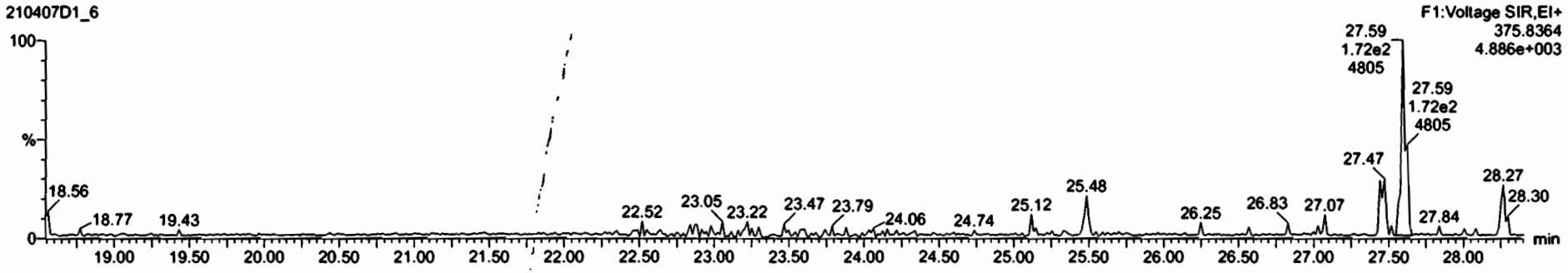
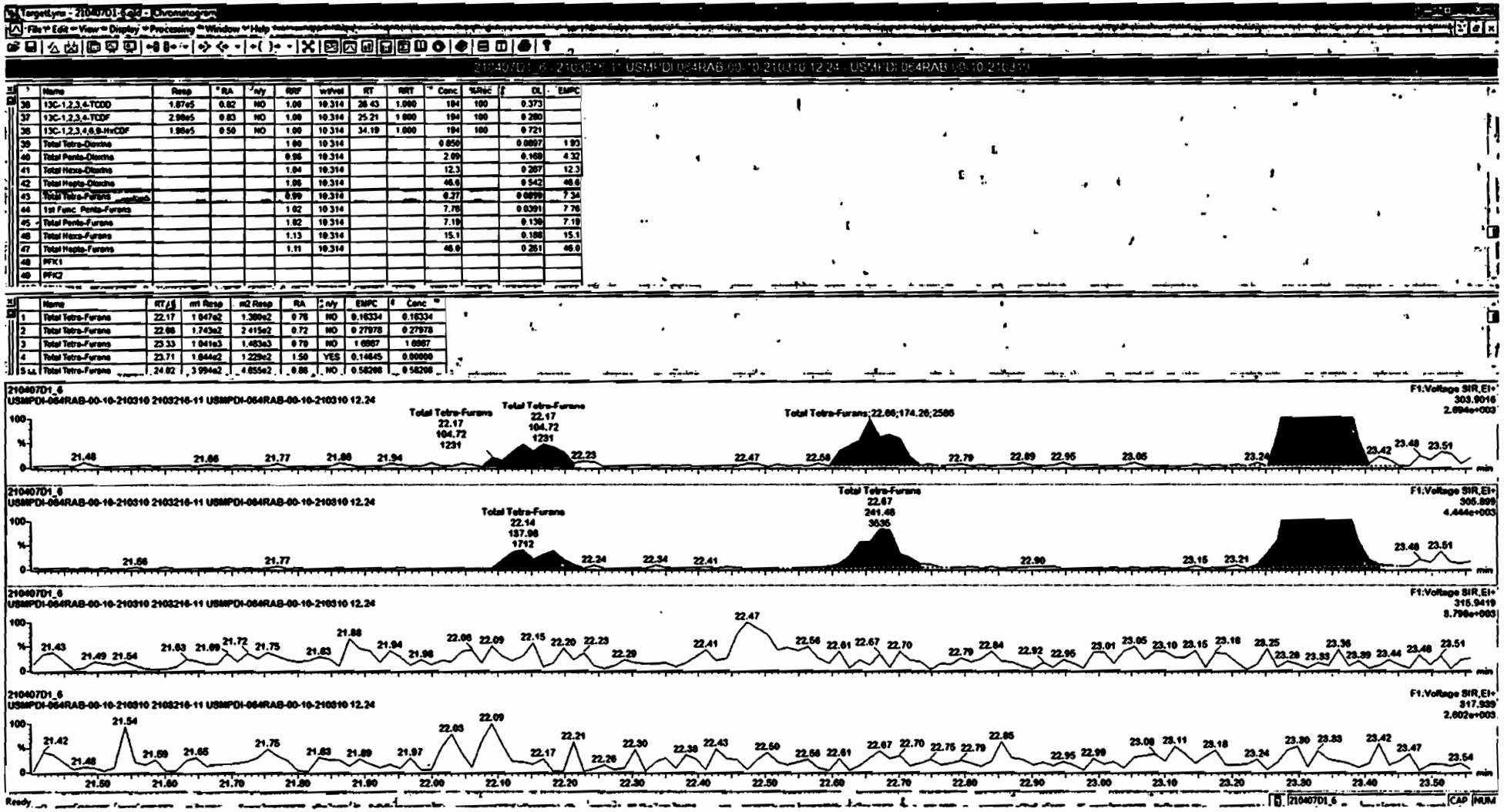
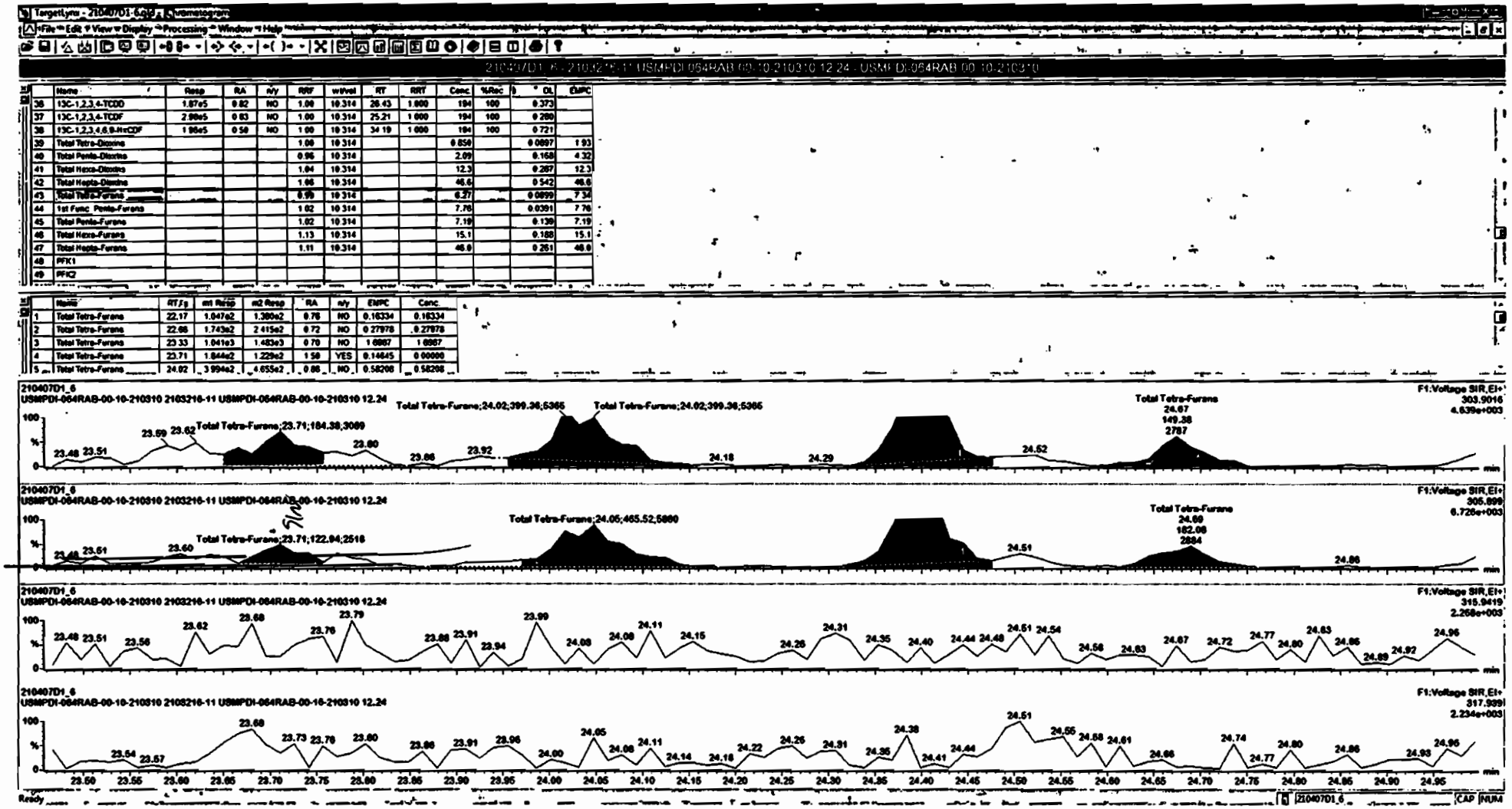
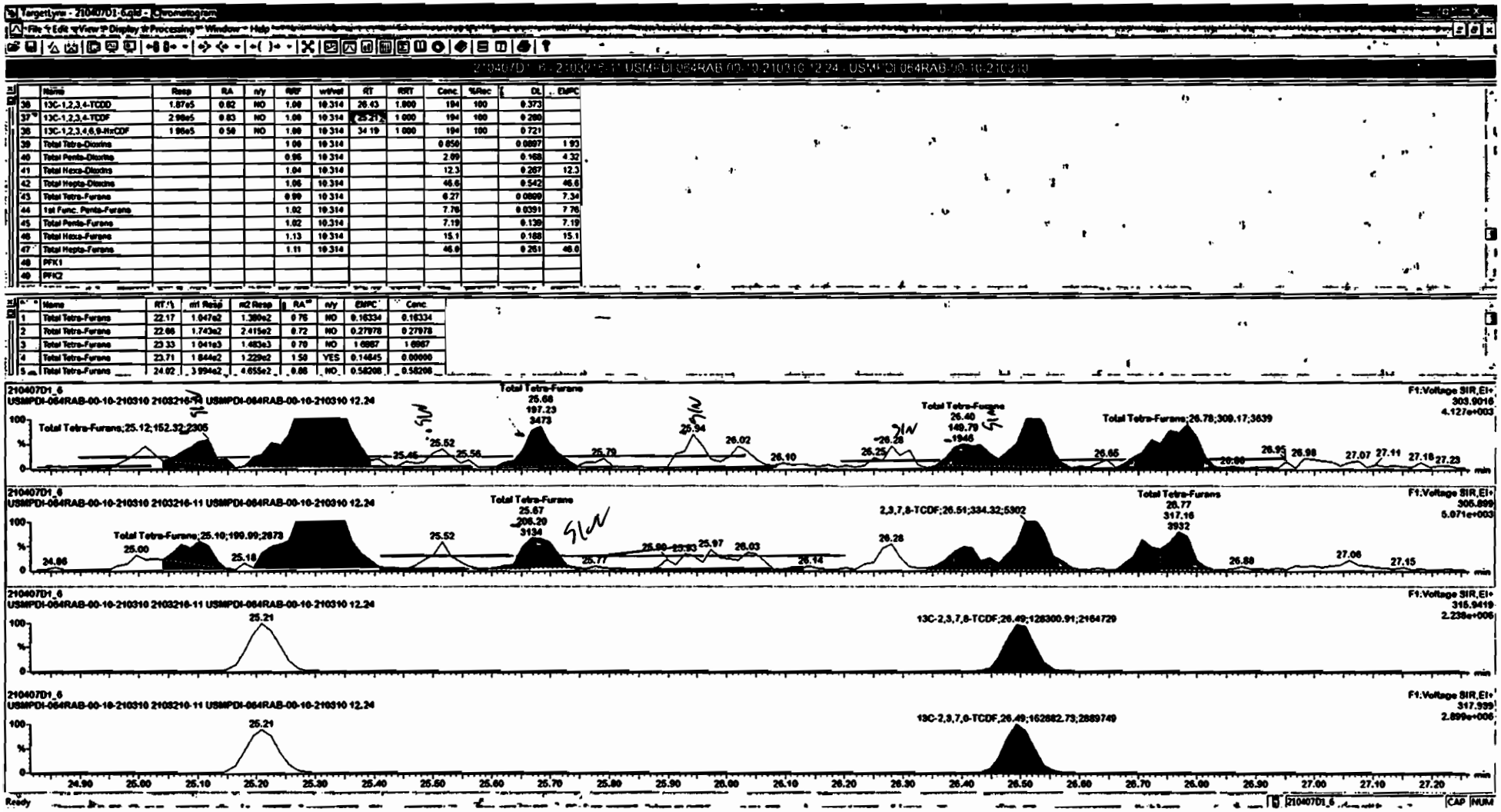



TargetLynx - 210407D1_6.qld - Chromatogram
File Edit View Display Processing Window Help
210407D1_6 : 2103216-11 USMPDI-064RAB-00-10-210310 12.24 - USMPDI-064RAB-00-10-210310
Name | Resp | %RA | n/y | RRF | wtVal | RT | RRT | Conc | %Rec | DL | EMPC
38 13C-1,2,3,4-TCDD 1.87e5 0.82 NO 1.00 10.314 28.43 1.000 194 100 0.373
37 13C-1,2,3,4-TCDF 2.98e5 0.83 NO 1.00 10.314 25.21 1.000 194 100 0.280
36 13C-1,2,3,4,6,9-HxCDF 1.96e5 0.50 NO 1.00 10.314 34.19 1.000 194 100 0.721
39 Total Tetra-Dioxins 1.00 10.314 0.856 0.0897 1.93
40 Total Penta-Dioxins 0.96 10.314 2.09 0.169 4.32
41 Total Hexa-Dioxins 1.04 10.314 12.3 0.267 12.3
42 Total Hepta-Dioxins 1.06 10.314 46.6 0.542 46.6
43 Total Tetra-Furans 0.99 10.314 0.27 0.0899 7.34
44 1st Func. Penta-Furans 1.02 10.314 7.76 0.0391 7.76
45 Total Penta-Furans 1.02 10.314 7.19 0.139 7.19
46 Total Hexa-Furans 1.13 10.314 15.1 0.188 15.1
47 Total Hepta-Furans 1.11 10.314 46.6 0.261 46.0
48 PFK1
49 PFK2
Name | RT | m1 Resp | m2 Resp | RA | n/y | EMPC | Conc
1 Total Tetra-Furans 22.17 1.047e2 1.389e2 0.76 NO 0.16334 0.16334
2 Total Tetra-Furans 22.66 1.743e2 2.415e2 0.72 NO 0.27978 0.27978
3 Total Tetra-Furans 23.33 1.041e3 1.453e3 0.72 NO 1.6987 1.6987
4 Total Tetra-Furans 23.71 1.844e2 1.229e2 1.50 YES 0.14645 0.00000
5 Total Tetra-Furans 24.02 3.994e2 4.855e2 0.86 NO 0.58208 0.58208
210407D1_6
USMPDI-064RAB-00-10-210310 2103216-11 USMPDI-064RAB-00-10-210310 12.24
F1:Voltage SIR,EI+ 303.9016 2.694e+003
Total Tetra-Furans 22.17 104.72 1231
Total Tetra-Furans;22.66;174.26;2586
F1:Voltage SIR,EI+ 305.899 4.444e+003
Total Tetra-Furans 22.14 157.98 1792
Total Tetra-Furans 22.67 241.46 3635
F1:Voltage SIR,EI+ 315.9419 8.796e+003
F1:Voltage SIR,EI+ 317.939 2.602e+003
Ready
CAP NUM



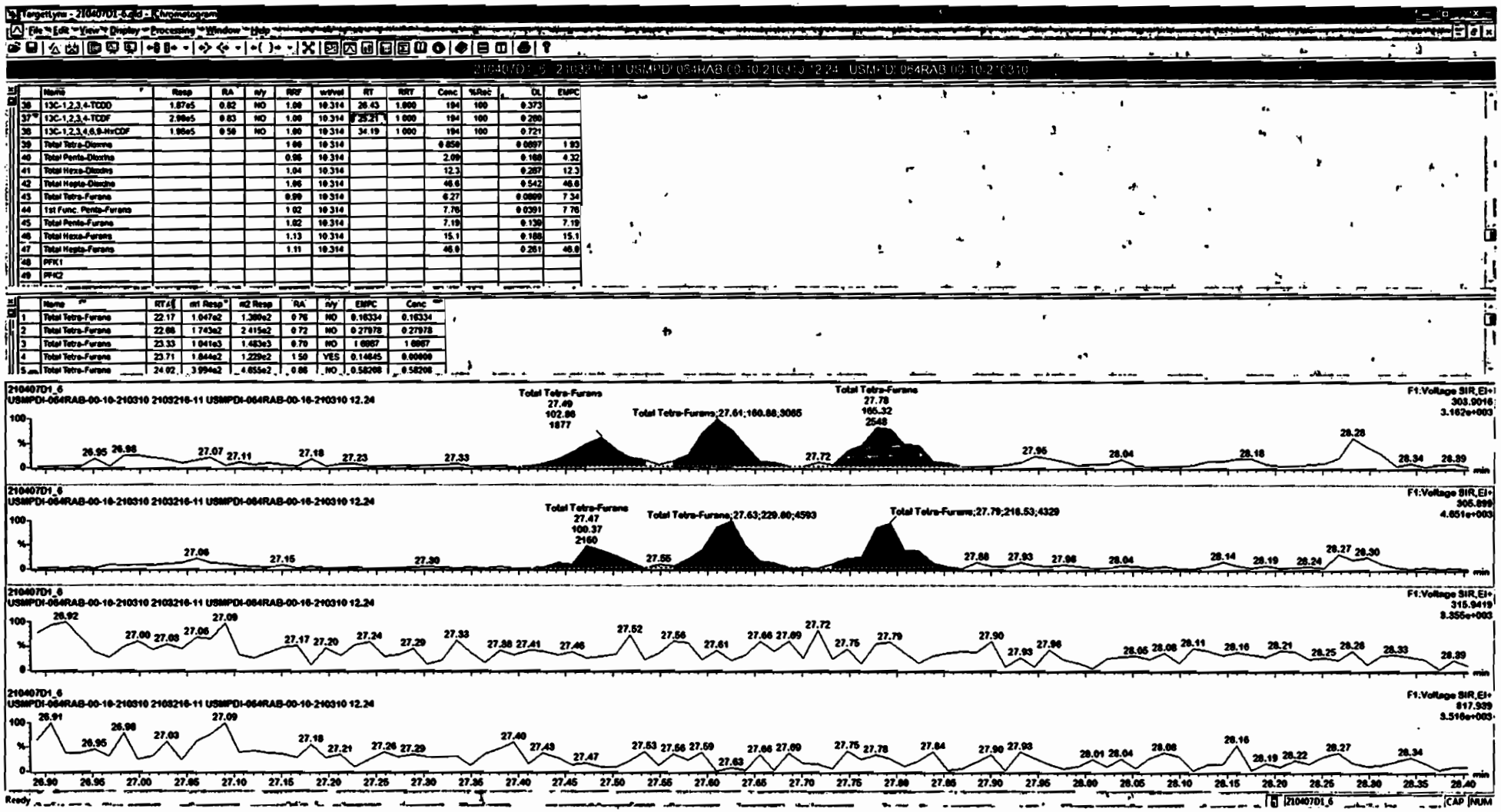
	Name	Resp	RA	n/y	RRF	w/val	RT	RRT	Conc	%Rec	DL	EMPC
36	13C-1,2,3,4-TCDD	1.87e5	0.82	NO	1.00	10.314	26.43	1.000	194	100	0.373	
37	13C-1,2,3,4-TCDF	2.98e5	0.83	NO	1.00	10.314	25.21	1.000	194	100	0.260	
38	13C-1,2,3,4,6,9-HxCDF	1.86e5	0.50	NO	1.00	10.314	34.19	1.000	194	100	0.721	
39	Total Tetra-Dioxins				1.00	10.314			0.850		0.0097	1.93
40	Total Penta-Dioxins				0.96	10.314			2.09		0.168	4.32
41	Total Hexa-Dioxins				1.04	10.314			12.3		0.267	12.3
42	Total Hepta-Dioxins				1.06	10.314			46.6		0.542	46.6
43	Total Tetra-Furans				0.95	10.314			6.27		0.0899	7.34
44	1st Func. Penta-Furans				1.02	10.314			7.76		0.0391	7.76
45	Total Penta-Furans				1.02	10.314			7.19		0.139	7.19
46	Total Hexa-Furans				1.13	10.314			15.1		0.188	15.1
47	Total Hepta-Furans				1.11	10.314			46.8		0.261	46.8
48	PFK1											
49	PFK2											

	Name	RT/s	ml Resp	m2 Resp	RA	n/y	EMPC	Conc
1	Total Tetra-Furans	22.17	1.047e2	1.380e2	0.76	NO	0.16334	0.16334
2	Total Tetra-Furans	22.66	1.743e2	2.415e2	0.72	NO	0.27978	0.27978
3	Total Tetra-Furans	23.33	1.041e3	1.483e3	0.70	NO	1.6867	1.6867
4	Total Tetra-Furans	23.71	1.844e2	1.229e2	1.50	YES	0.14645	0.00000
5	Total Tetra-Furans	24.02	3.994e2	4.655e2	0.86	NO	0.58208	0.58208



	Name	Resp	RA	n/y	RRF	wtVal	RT	RRT	Conc	%Rec	DL	EMPC
36	13C-1,2,3,4-TCDD	1.87e5	0.82	NO	1.00	10.314	26.43	1.000	194	100	0.373	
37	13C-1,2,3,4-TCDF	2.98e5	0.83	NO	1.00	10.314	25.21	1.000	194	100	0.260	
38	13C-1,2,3,4,6,9-HxCDF	1.96e5	0.50	NO	1.00	10.314	34.19	1.000	194	100	0.721	
39	Total Tetra-Dioxins				1.00	10.314			0.850		0.0897	1.93
40	Total Penta-Dioxins				0.95	10.314			2.09		0.168	4.32
41	Total Hexa-Dioxins				1.04	10.314			12.3		0.267	12.3
42	Total Hepta-Dioxins				1.06	10.314			46.6		0.542	46.6
43	Total Tetra-Furans				0.99	10.314			6.27		0.0869	7.34
44	1st Func. Penta-Furans				1.02	10.314			7.76		0.0391	7.76
45	Total Penta-Furans				1.02	10.314			7.19		0.139	7.19
46	Total Hexa-Furans				1.13	10.314			15.1		0.188	15.1
47	Total Hepta-Furans				1.11	10.314			46.6		0.261	46.6
48	PFK1											
49	PFK2											

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc
1	Total Tetra-Furans	22.17	1.047e2	1.380e2	0.76	NO	0.16334	0.16334
2	Total Tetra-Furans	22.66	1.743e2	2.415e2	0.72	NO	0.27978	0.27978
3	Total Tetra-Furans	23.33	1.041e3	1.483e3	0.70	NO	1.6887	1.6887
4	Total Tetra-Furans	23.71	1.844e2	1.229e2	1.50	YES	0.14645	0.00000
5	Total Tetra-Furans	24.02	3.994e2	4.655e2	0.86	NO	0.58208	0.58208


TargetLynx - 210407D1_6.qld - Chromatogram
File Edit View Display Processing Window Help
Name | Resp | RA | n/y | RRF | w/val | RT | RRT | Conc | %Rec | DL | EMPC
38 13C-1,2,3,4-TCDD 1.87e5 0.82 NO 1.00 10.314 28.43 1.000 194 100 0.373
37 13C-1,2,3,4-TCDF 2.98e5 0.83 NO 1.00 10.314 28.21 1.000 194 100 0.200
36 13C-1,2,3,4,6,9-HxCDF 1.98e5 0.58 NO 1.00 10.314 34.19 1.000 194 100 0.721
39 Total Tetra-Dioxins 1.00 10.314 0.850 0.0697 1.93
40 Total Penta-Dioxins 0.96 10.314 2.09 0.188 4.32
41 Total Hexa-Dioxins 1.04 10.314 12.3 0.287 12.3
42 Total Hepta-Dioxins 1.06 10.314 46.6 0.542 46.6
43 Total Tetra-Furans 0.99 10.314 6.27 0.0899 7.34
44 1st Func. Penta-Furans 1.02 10.314 7.76 0.0391 7.76
45 Total Penta-Furans 1.02 10.314 7.19 0.139 7.19
46 Total Hexa-Furans 1.13 10.314 15.1 0.188 15.1
47 Total Hepta-Furans 1.11 10.314 46.6 0.261 46.6
48 PFK1
49 PFK2
Name | RT | m1 Resp | m2 Resp | RA | n/y | EMPC | Conc
1 Total Tetra-Furans 22.17 1.047e2 1.388e2 0.76 NO 0.16334 0.16334
2 Total Tetra-Furans 22.88 1.743e2 2.415e2 0.72 NO 0.27978 0.27978
3 Total Tetra-Furans 23.33 1.041e3 1.483e3 0.70 NO 1.6667 1.6667
4 Total Tetra-Furans 23.71 1.844e2 1.229e2 1.50 YES 0.14645 0.00000
5 Total Tetra-Furans 24.02 3.994e2 4.655e2 0.86 NO 0.58208 0.58208
210407D1_6
USMPDI-064RAB-00-10-210310 2103216-11 USMPDI-064RAB-00-10-210310 12.24
Total Tetra-Furans 27.49 102.86 1877
Total Tetra-Furans;27.61;160.88;3085
Total Tetra-Furans 27.78 165.32 2548
F1:Voltage SIR,EI+ 303.9016 3.162e+003
Total Tetra-Furans 27.47 100.37 2160
Total Tetra-Furans;27.63;229.80;4593
Total Tetra-Furans;27.79;216.53;4329
F1:Voltage SIR,EI+ 305.899 4.651e+003
F1:Voltage SIR,EI+ 315.9419 9.355e+003
F1:Voltage SIR,EI+ 317.939 3.516e+003
min
Ready
CAP NUM

Dataset: Untitled

Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
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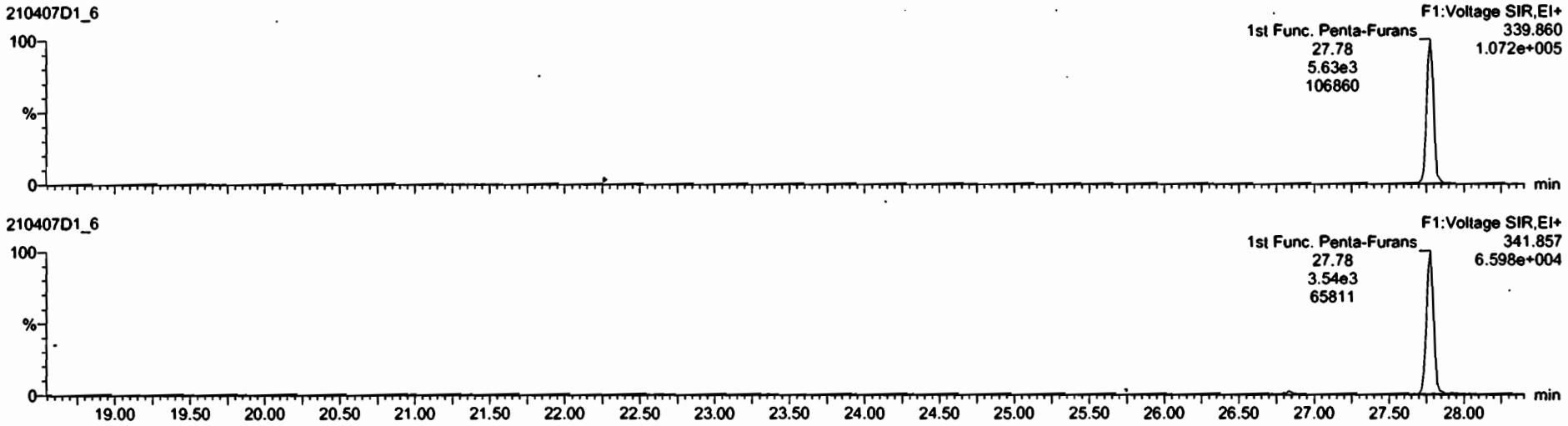
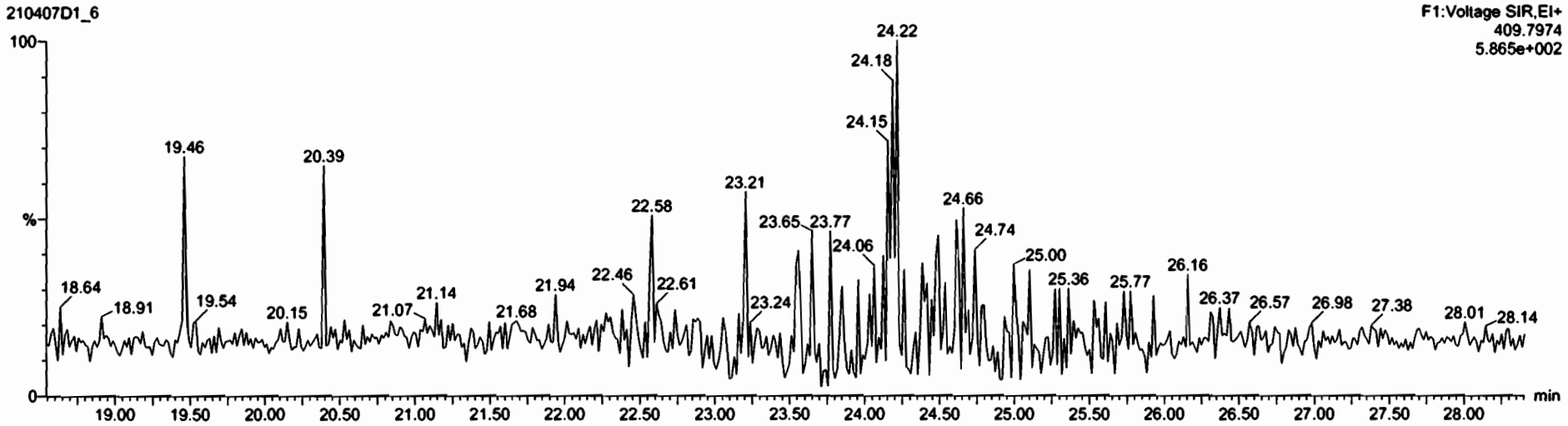
Name: 210407D1_6, Date: 07-Apr-2021, Time: 12:38:51, ID: 2103216-11 USMPDI-064RAB-00-10-210310 12.24, Description: USMPDI-064RAB-00-10-210310

1st Func. Penta-Furans



DPE6



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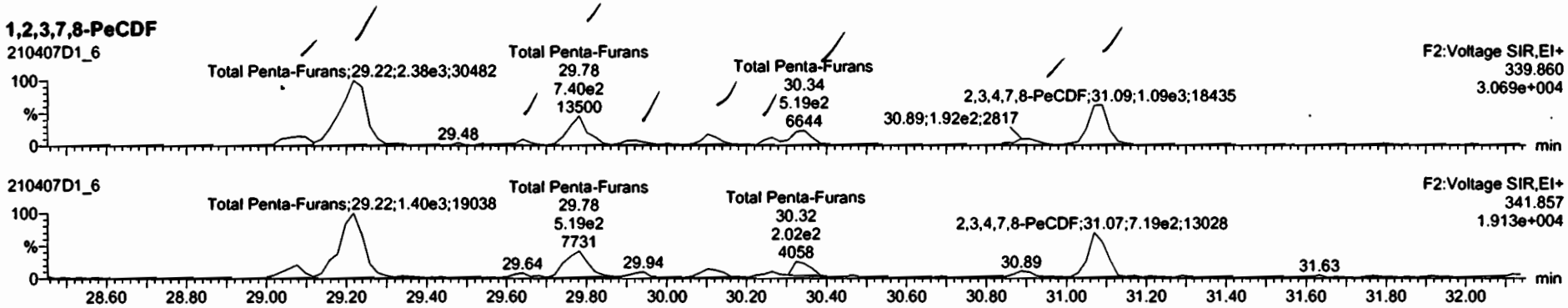
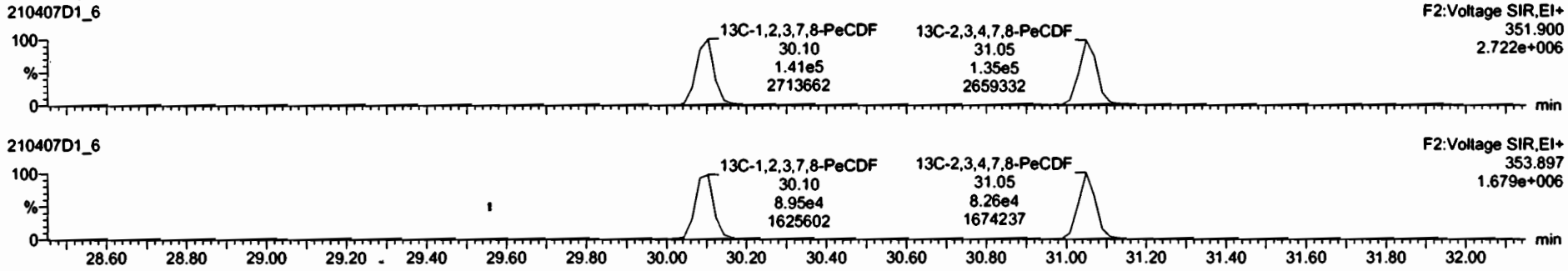
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_6, Date: 07-Apr-2021, Time: 12:38:51, ID: 2103216-11 USMPDI-064RAB-00-10-210310 12.24, Description: USMPDI-064RAB-00-10-210310

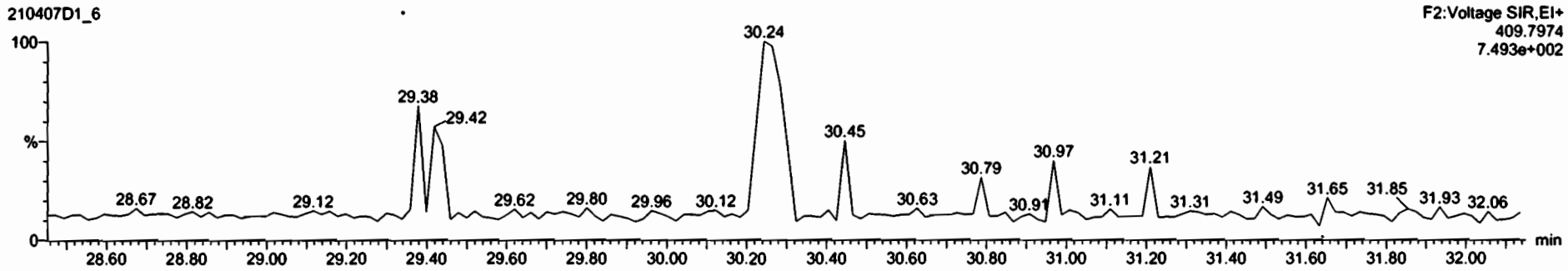
1,2,3,7,8-PeCDF



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



DPE2



TargetLynx - 210407D1_6.qld - Chromatogram

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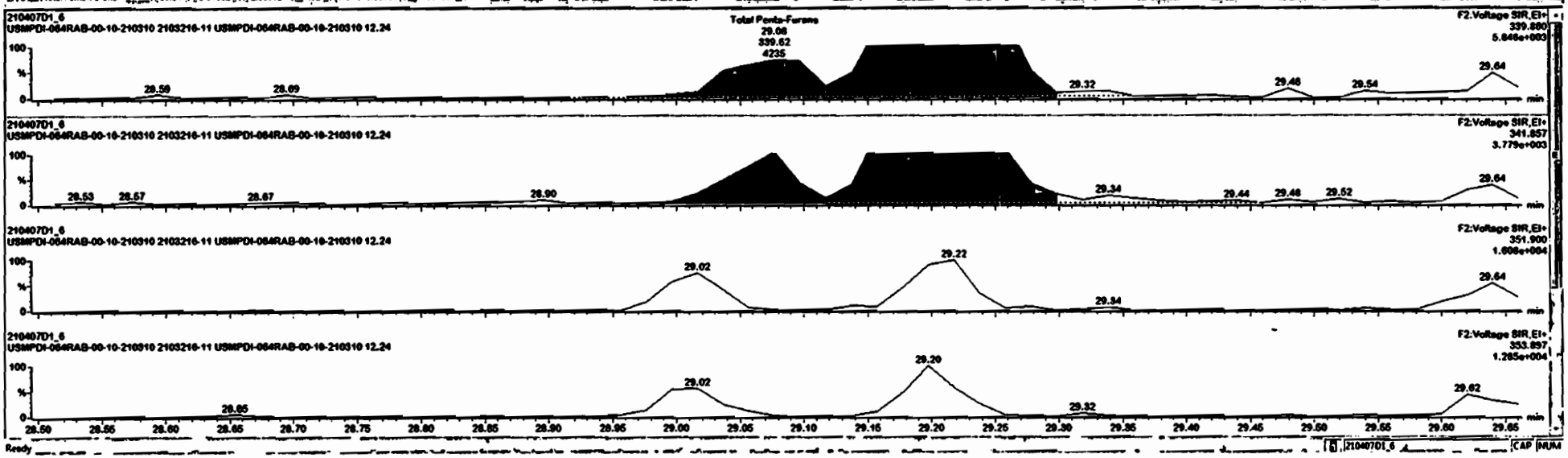
210407D1_6 - 2103216-11 USMPDI-064RAB-00-10-210310 12.24 - USMPDI-064RAB-00-10-210310

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
36	13C-1,2,3,4-TCDD	1.87e5	0.82	NO	1.00	10.314	26.43	1.000	194	100	0.373	
37	13C-1,2,3,4-TCDF	2.98e5	0.83	NO	1.00	10.314	25.21	1.000	194	100	0.280	
38	13C-1,2,3,4,6,9-HxCDF	1.98e5	0.50	NO	1.00	10.314	34.19	1.000	194	100	0.721	
39	Total Tetra-Dioxins				1.00	10.314			0.850		0.0897	1.93
40	Total Penta-Dioxins				0.96	10.314			2.09		0.168	4.32
41	Total Hexa-Dioxins				1.04	10.314			12.3		0.287	12.3
42	Total Hepta-Dioxins				1.06	10.314			46.6		0.542	46.6
43	Total Tetra-Furans				0.99	10.314			6.27		0.0809	7.34
44	1st Func. Penta-Furans				1.02	10.314			7.76		0.0391	7.76
45	Total Penta-Furans				1.02	10.314			7.15		0.130	7.15
46	Total Hexa-Furans				1.13	10.314			15.1		0.188	15.1
47	Total Hepta-Furans				1.11	10.314			46.0		0.261	46.0
48	PFK1											
49	PFK2											

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc
1	Total Penta-Furans	29.08	3.396e2	2.217e2	1.53	NO	0.47515	0.47515
2	Total Penta-Furans	29.22	2.389e3	1.385e3	1.74	NO	3.1607	3.1607
3	Total Penta-Furans	29.78	7.579e2	5.376e2	1.41	NO	1.0985	1.0985
4	1,2,3,7,8-PeCDF	30.10	2.329e2	1.618e2	1.44	NO	0.32477	0.32477
5	Total Penta-Furans	30.34	3.610e2	2.380e2	1.52	NO	0.50700	0.50700



TargetLynx - 210407D1-6.qld * - Chromatogram 1

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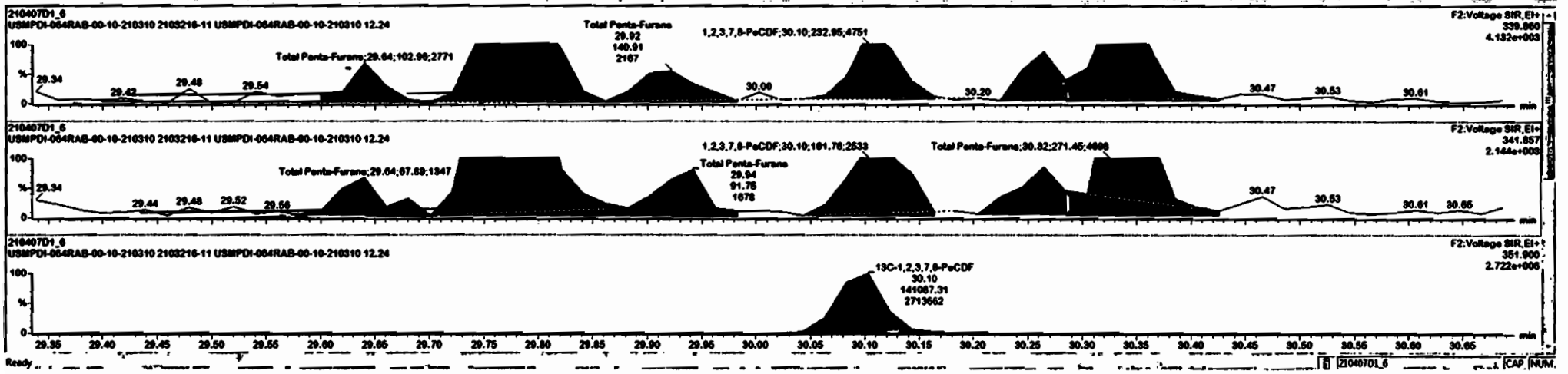
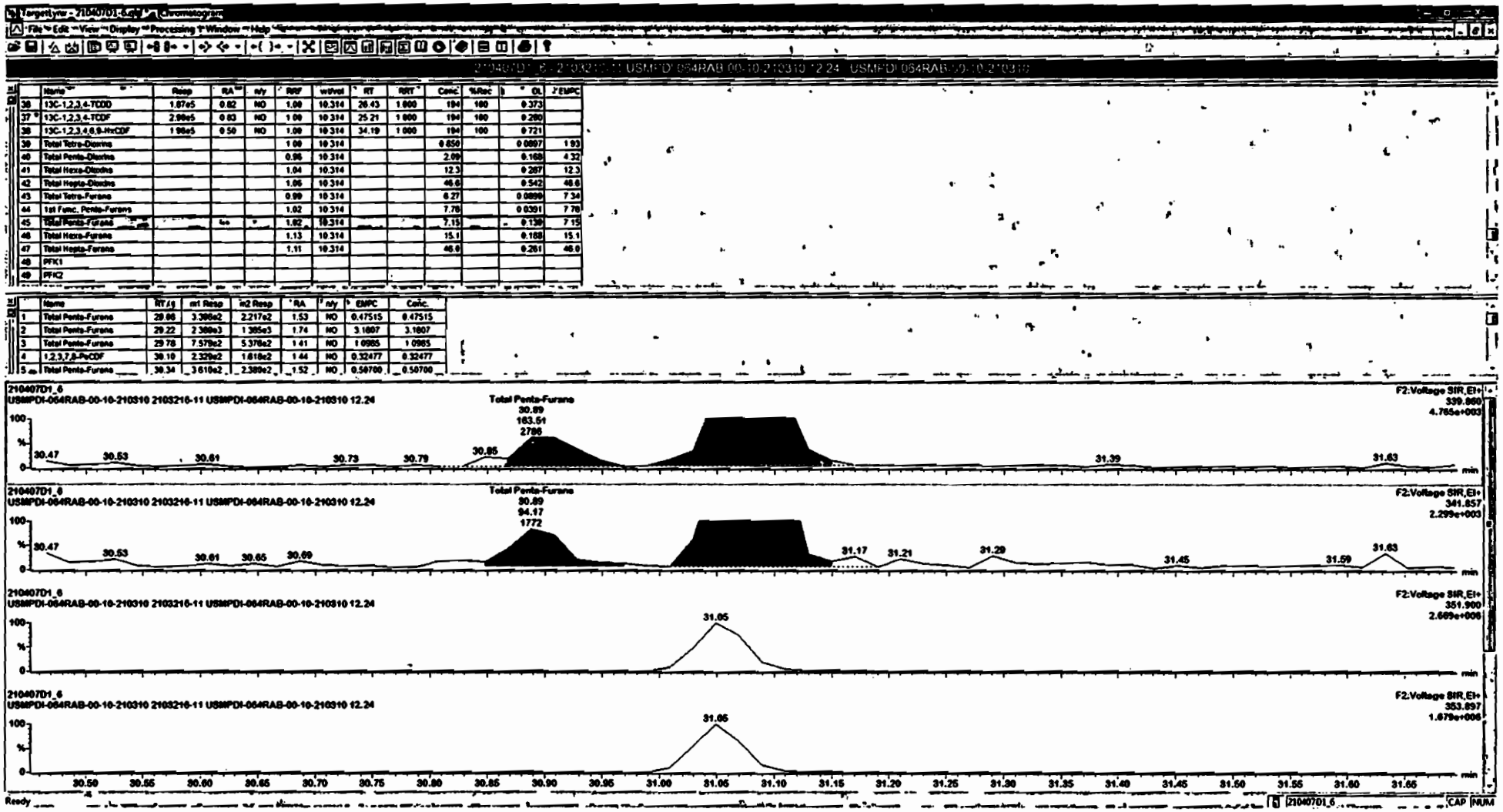
	Name	Resp	RA	n/y	RRF	m/z/vel	RT	RRT	Conc.	%Rec	DL	EMPC
30	13C-2,3,4,6,7,8-HxCDF	1.85e5	0.50	NO	0.96	10.314	34.59	1.012	199	99.1	0.751	
31	13C-1,2,3,7,8,9-HxCDF	1.61e5	0.51	NO	0.87	10.314	35.71	1.044	206	106	0.638	
32	13C-1,2,3,4,6,7,8-HpCDF	1.57e5	0.49	NO	0.79	10.314	37.27	1.090	196	101	0.881	
33	13C-1,2,3,4,7,8,9-HpCDF	1.14e5	0.49	NO	0.59	10.314	38.26	1.148	182	90.8	1.19	
34	13C-OCDF	2.23e5	0.90	NO	0.71	10.314	42.81	1.246	318	88.0	0.419	
35	37Cl-2,3,7,8-TCDD	7.80e4			1.11	10.314	27.09	1.025	73.2	94.3	0.109	
36	13C-1,2,3,4-TCDD	1.87e5	0.82	NO	1.00	10.314	28.43	1.000	194	100	0.373	
37	13C-1,2,3,4-TCDF	2.90e5	0.83	NO	1.00	10.314	25.21	1.000	194	100	0.288	
38	13C-1,2,3,4,6,9-HxCDF	1.96e5	0.59	NO	1.00	10.314	34.19	1.000	194	100	0.721	
39	Total Tetra-Dioxins				1.00	10.314			0.850		0.0897	1.93
40	Total Penta-Dioxins				0.95	10.314			2.09		0.168	4.32
41	Total Hexa-Dioxins				1.04	10.314			12.3		0.267	12.3
42	Total Hepta-Dioxins				1.06	10.314			46.6		0.542	46.6
43	Total Tetra-Furans				0.99	10.314			6.03		0.0899	6.53
44	1st Func. Penta-Furans				1.02	10.314			7.76	*	0.0391	7.76
45	Total Penta-Furans				1.02	10.314			7.72		0.139	7.72
46	Total Hexa-Furans				1.13	10.314			15.1		0.188	15.1
47	Total Hepta-Furans				1.11	10.314			46.0		0.281	46.0
48	PFK1											
49	PFK2											

	Name	RT	int Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Penta-Furans	29.08	3.398e2	2.217e2	1.53	NO	0.47515	0.47515
2	Total Penta-Furans	29.22	2.389e3	1.365e3	1.74	NO	3.1607	3.1607
3	Total Penta-Furans	29.64	1.930e2	6.789e1	1.52	NO	0.14482	0.14482
4	Total Penta-Furans	29.78	7.579e2	5.376e2	1.41	NO	1.0065	1.0065
5	Total Penta-Furans	29.92	1.409e2	9.175e1	1.54	NO	0.19694	0.19694



Ready 210407D1_6 CAP NUM


Total Penta-Furans
30.89
163.51
2786
Total Penta-Furans
30.89
94.17
1772
31.05
31.05

Dataset: Untitled

Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
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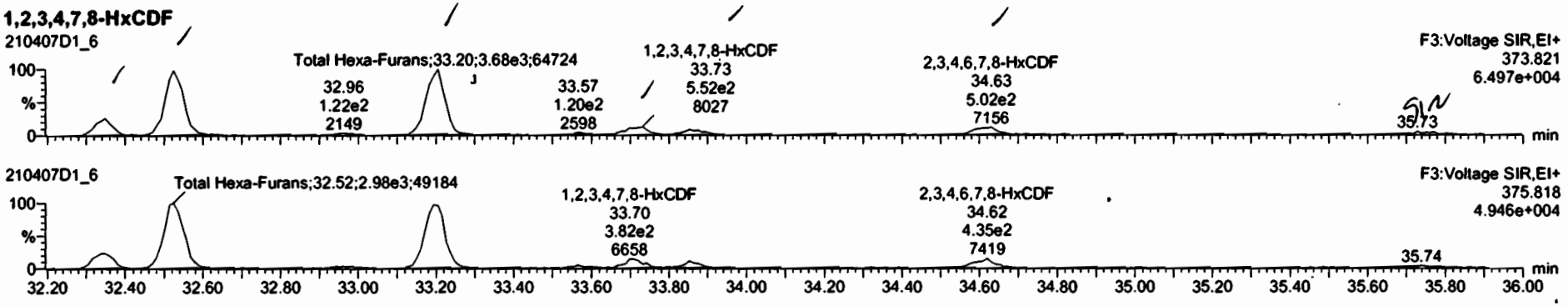
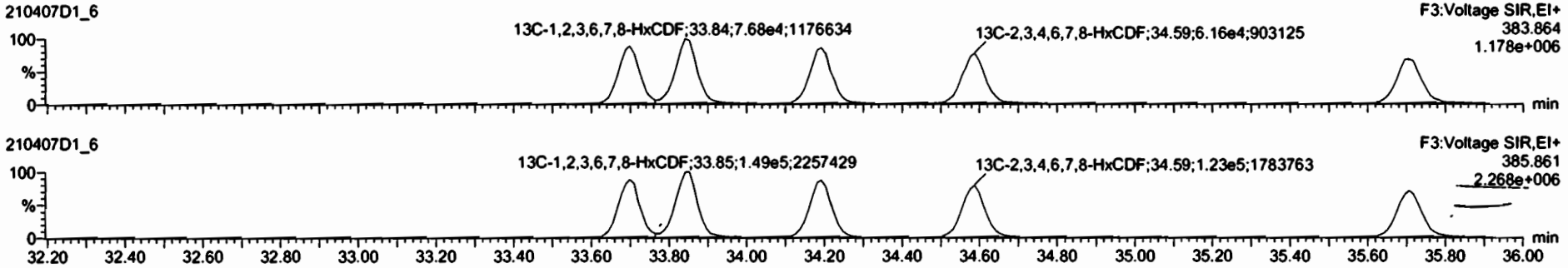
Name: 210407D1_6, Date: 07-Apr-2021, Time: 12:38:51, ID: 2103216-11 USMPDI-064RAB-00-10-210310 12.24, Description: USMPDI-064RAB-00-10-210310

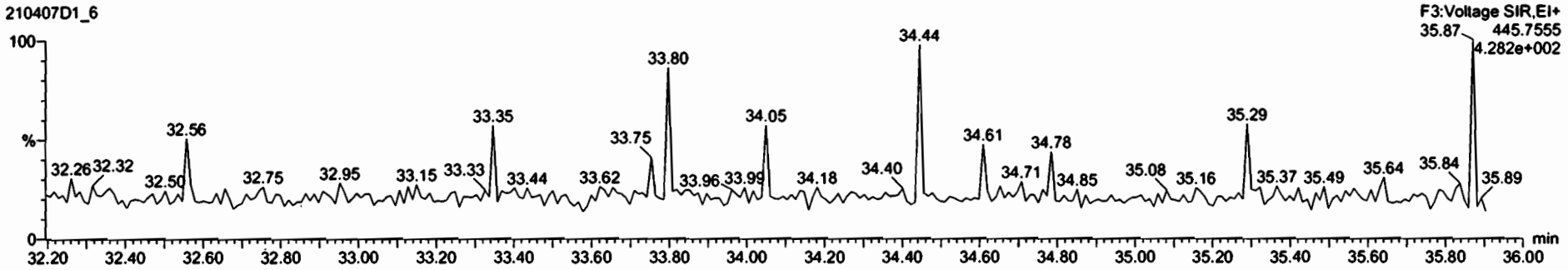
1,2,3,4,7,8-HxCDF

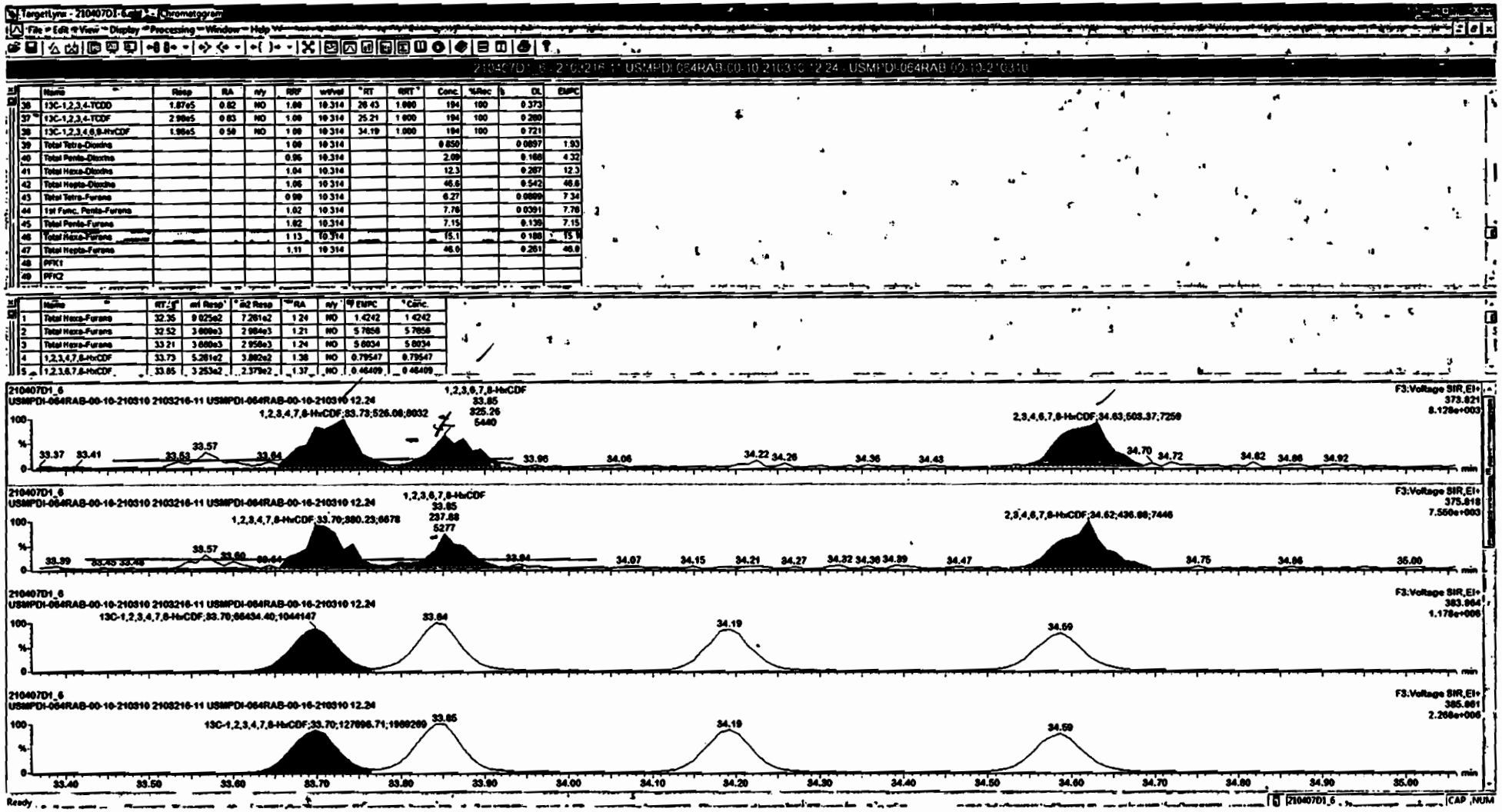


13C-1,2,3,4,7,8-HxCDF



DPE3





	Name	Resp	RA	n/y	RRF	wtVal	RT	RRT	Conc.	%Rec	DL	EMPC
36	13C-1,2,3,4-TCDD	1.87e5	0.82	NO	1.00	10.314	26.43	1.000	194	100	0.373	
37	13C-1,2,3,4-TCDF	2.98e5	0.83	NO	1.00	10.314	25.21	1.000	194	100	0.269	
38	13C-1,2,3,4,6,8-HxCDF	1.96e5	0.50	NO	1.00	10.314	34.19	1.000	194	100	0.721	
39	Total Tetra-Dioxins				1.00	10.314			0.850		0.0897	1.93
40	Total Penta-Dioxins				0.95	10.314			2.09		0.168	4.32
41	Total Hexa-Dioxins				1.04	10.314			12.3		0.267	12.3
42	Total Hepta-Dioxins				1.06	10.314			46.6		0.542	46.6
43	Total Tetra-Furans				0.99	10.314			6.27		0.0899	7.34
44	1st Func. Penta-Furans				1.02	10.314			7.76		0.0391	7.76
45	Total Penta-Furans				1.02	10.314			7.15		0.139	7.15
46	Total Hexa-Furans				1.13	10.314			15.1		0.188	15.1
47	Total Hepta-Furans				1.11	10.314			46.6		0.261	46.6
48	PFK1											
49	PFK2											

	Name	RT	ar Resp	a2 Resp	RA	n/y	EMPC	Conc.
1	Total Hexa-Furans	32.35	9.025e2	7.261e2	1.24	NO	1.4242	1.4242
2	Total Hexa-Furans	32.52	3.608e3	2.984e3	1.21	NO	5.7656	5.7656
3	Total Hexa-Furans	33.21	3.688e3	2.958e3	1.24	NO	5.8034	5.8034
4	1,2,3,4,7,8-HxCDF	33.73	5.281e2	3.882e2	1.36	NO	0.79547	0.79547
5	1,2,3,6,7,8-HxCDF	33.85	3.253e2	2.379e2	1.37	NO	0.46409	0.46409

TargetLynx - 210407D1-6.qld * - Chromatogram

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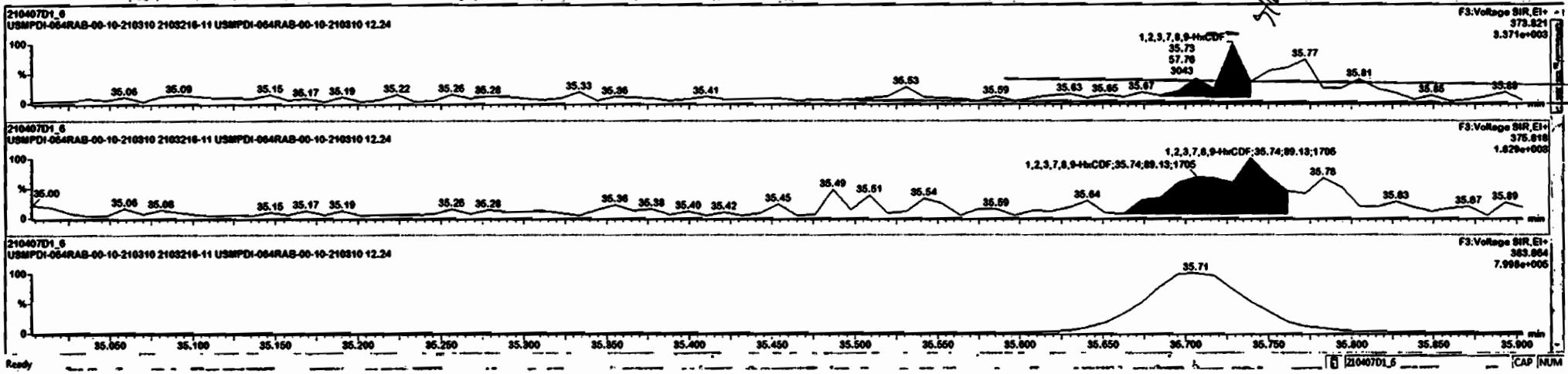
210407D1_6 - 2103216-11 USMPDI-064RAB-00-10-210310 12.24 - USMPDI-064RAB-00-10-210310

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
30	13C-2,3,4,6,7,8-HxCDF	1.85e5	0.50	NO	0.96	10.314	34.59	1.012	190	98.1	0.751	
31	13C-1,2,3,7,8,9-HxCDF	1.81e5	0.51	NO	0.87	10.314	35.71	1.044	206	106	0.830	
32	13C-1,2,3,4,6,7,8-HpCDF	1.57e5	0.40	NO	0.79	10.314	37.27	1.090	196	101	0.881	
33	13C-1,2,3,4,7,8,9-HpCDF	1.14e5	0.40	NO	0.59	10.314	39.26	1.148	192	98.0	1.19	
34	13C-OCDF	2.23e5	0.90	NO	0.71	10.314	42.61	1.246	310	80.0	0.419	
35	37Cl-2,3,7,8-TCDD	7.80e4			1.11	10.314	27.09	1.025	73.2	94.3	0.100	
36	13C-1,2,3,4-TCDD	1.87e5	0.82	NO	1.00	10.314	26.43	1.000	194	100	0.373	
37	13C-1,2,3,4-TCDF	2.96e5	0.83	NO	1.00	10.314	25.21	1.000	194	100	0.280	
38	13C-1,2,3,4,6,9-HxCDF	1.96e5	0.50	NO	1.00	10.314	34.19	1.000	194	100	0.721	
39	Total Tetra-Dioxins				1.00	10.314			0.850		0.0897	1.93
40	Total Penta-Dioxins				0.96	10.314			2.09		0.168	4.32
41	Total Hexa-Dioxins				1.04	10.314			12.3		0.267	12.3
42	Total Hepta-Dioxins				1.06	10.314			46.6		0.542	46.6
43	Total Tetra-Furans				0.99	10.314			6.03		0.0899	6.53
44	1st Func. Penta-Furans				1.02	10.314			7.76		0.0391	7.76
45	Total Penta-Furans				1.02	10.314			7.72		0.139	7.72
46	Total Hexa-Furans				1.13	10.314			15.1		0.188	15.2
47	Total Hepta-Furans				1.11	10.314			46.0		0.261	46.0
48	PFK1											
49	PFK2											

	Name	RT / ½	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Hexa-Furans	32.35	9.025e2	7.261e2	1.24	NO	1.4242	1.4242
2	Total Hexa-Furans	32.52	3.609e3	2.984e3	1.21	NO	5.7656	5.7656
3	Total Hexa-Furans	33.21	3.680e3	2.956e3	1.24	NO	5.8034	5.8034
4	1,2,3,4,7,8-HxCDF	33.73	5.261e2	3.802e2	1.38	NO	0.79547	0.79547
5	1,2,3,6,7,8-HxCDF	33.85	3.253e2	2.379e2	1.37	NO	0.46409	0.46409



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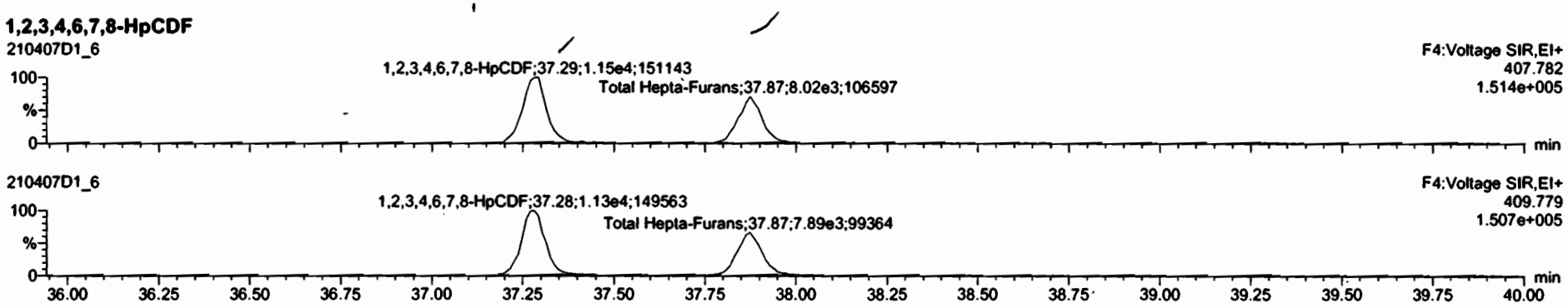
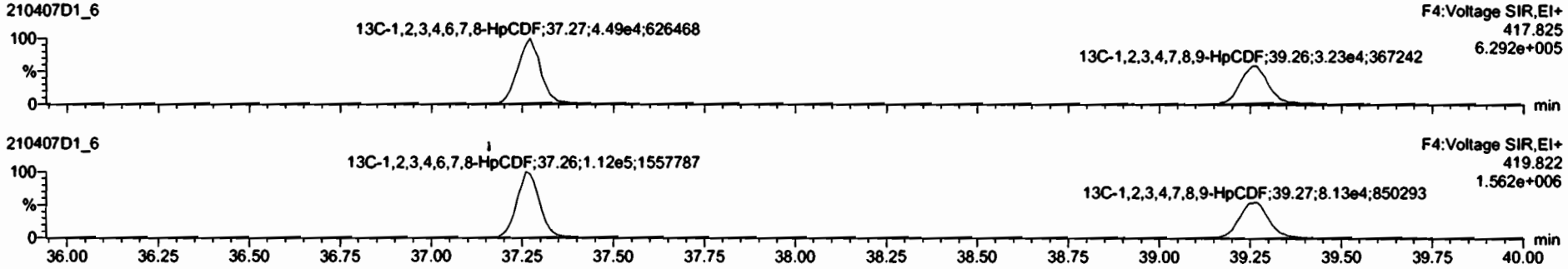
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_6, Date: 07-Apr-2021, Time: 12:38:51, ID: 2103216-11 USMPDI-064RAB-00-10-210310 12.24, Description: USMPDI-064RAB-00-10-210310

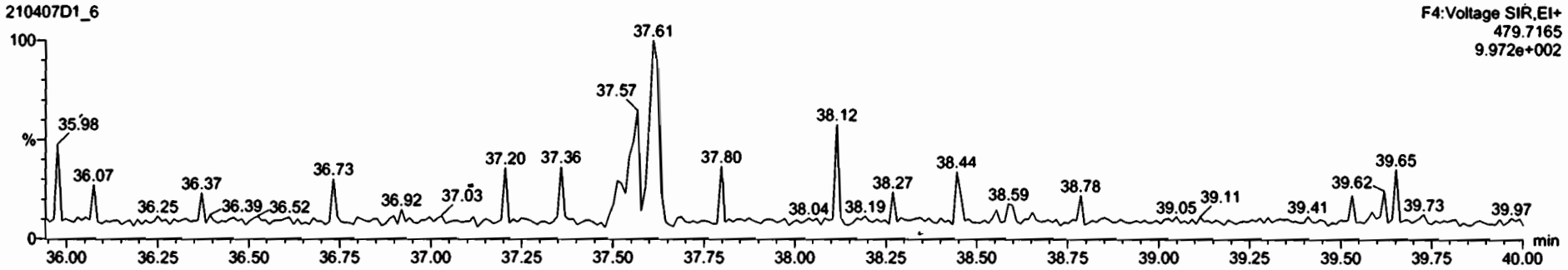
1,2,3,4,6,7,8-HpCDF



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



DPE4



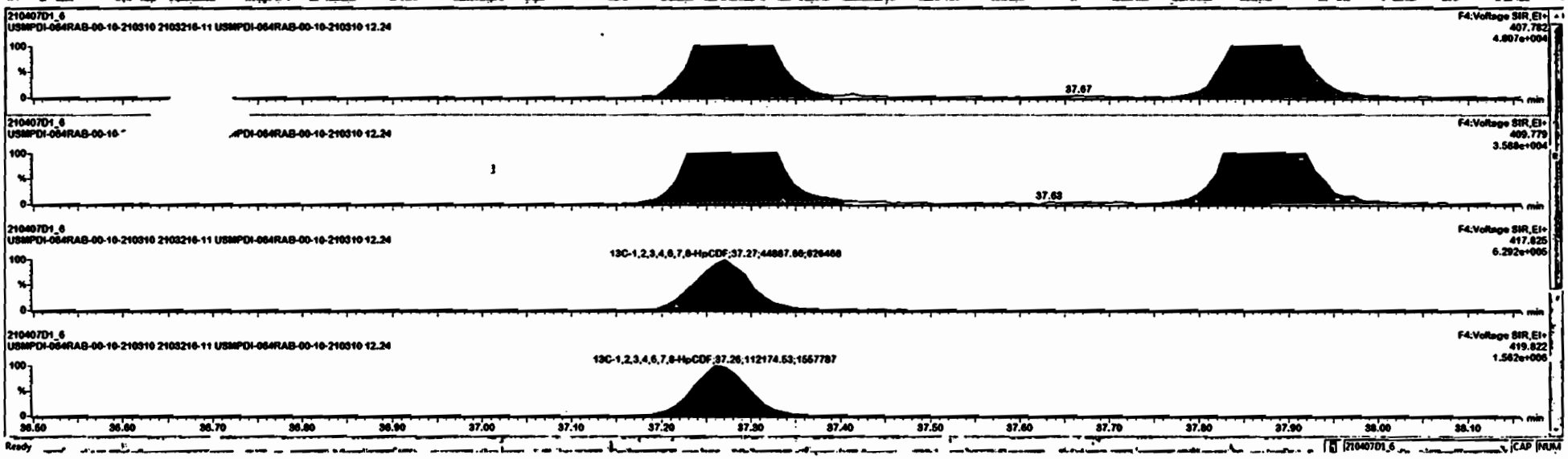
TargetLynx - 210407D1-6 Chromatogram

File Edit View Display Processing Window Help

210407D1_6 - 2103216-11 USMPDI-064RAB-00-10-210310 12.24 - USMPDI-064RAB-00-10-210310

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
36	13C-1,2,3,4-TCDD	1.87e5	0.82	NO	1.00	10.314	26.43	1.000	194	100	0.373	
37	13C-1,2,3,4-TCDF	2.08e5	0.83	NO	1.00	10.314	25.21	1.000	194	100	0.280	
38	13C-1,2,3,4,6,9-HxCDF	1.96e5	0.50	NO	1.00	10.314	34.19	1.000	194	100	0.721	
39	Total Tetra-Dioxins				1.00	10.314			0.850		0.0897	1.93
40	Total Penta-Dioxins				0.96	10.314			2.09		0.168	4.32
41	Total Hexa-Dioxins				1.04	10.314			12.3		0.267	12.3
42	Total Hepta-Dioxins				1.06	10.314			46.6		0.542	46.6
43	Total Tetra-Furans				0.99	10.314			6.27		0.0899	7.34
44	1st Func. Penta-Furans				1.02	10.314			7.76		0.0391	7.76
45	Total Penta-Furans				1.02	10.314			7.15		0.139	7.15
46	Total Hexa-Furans				1.13	10.314			15.1		0.188	15.1
47	Total Hepta-Furans				1.11	10.314			48.0		0.261	48.0
48	PFK1											
49	PFK2											

	Name	RT/y	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc
1	1,2,3,4,6,7,8-HpCDF	37.29	1.153e4	1.150e4	1.00	NO	25.513	25.513
2	Total Hepta-Furans	37.87	8.024e3	7.889e3	1.02	NO	20.462	20.462



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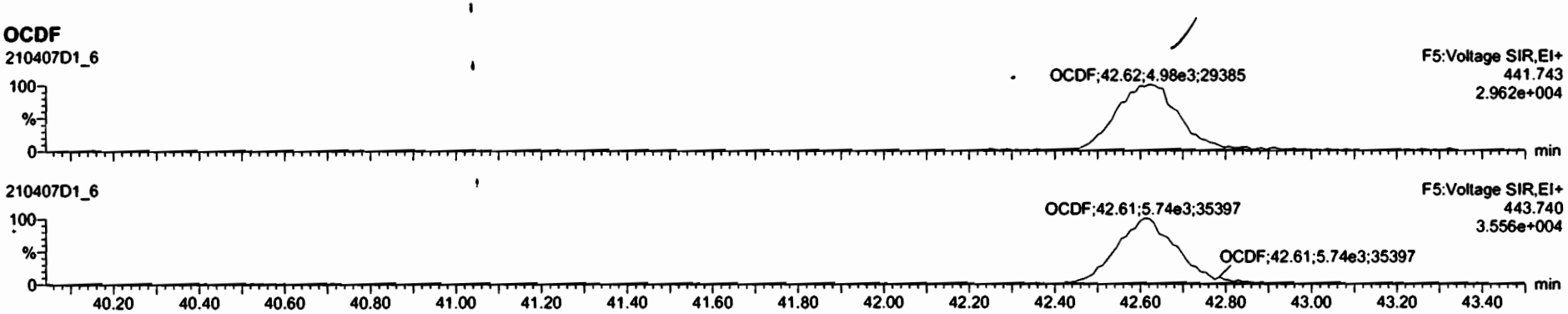
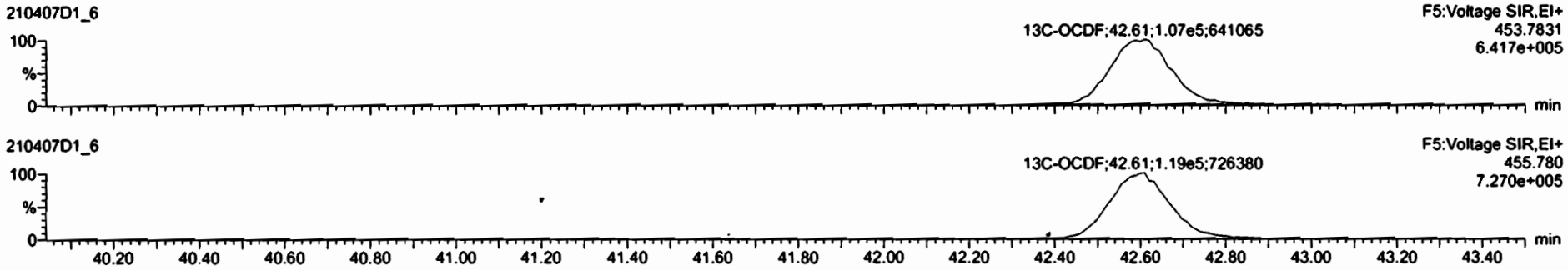
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_6, Date: 07-Apr-2021, Time: 12:38:51, ID: 2103216-11 USMPDI-064RAB-00-10-210310 12.24, Description: USMPDI-064RAB-00-10-210310

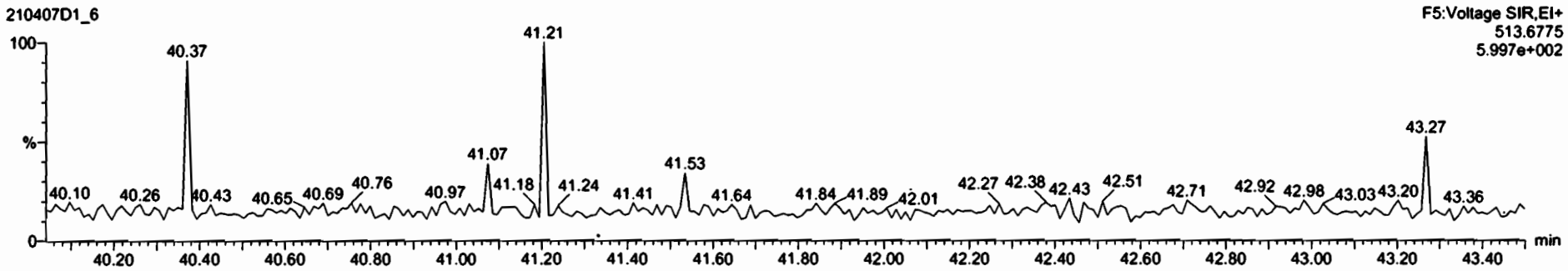
OCDF



13C-OCDF



DPE5



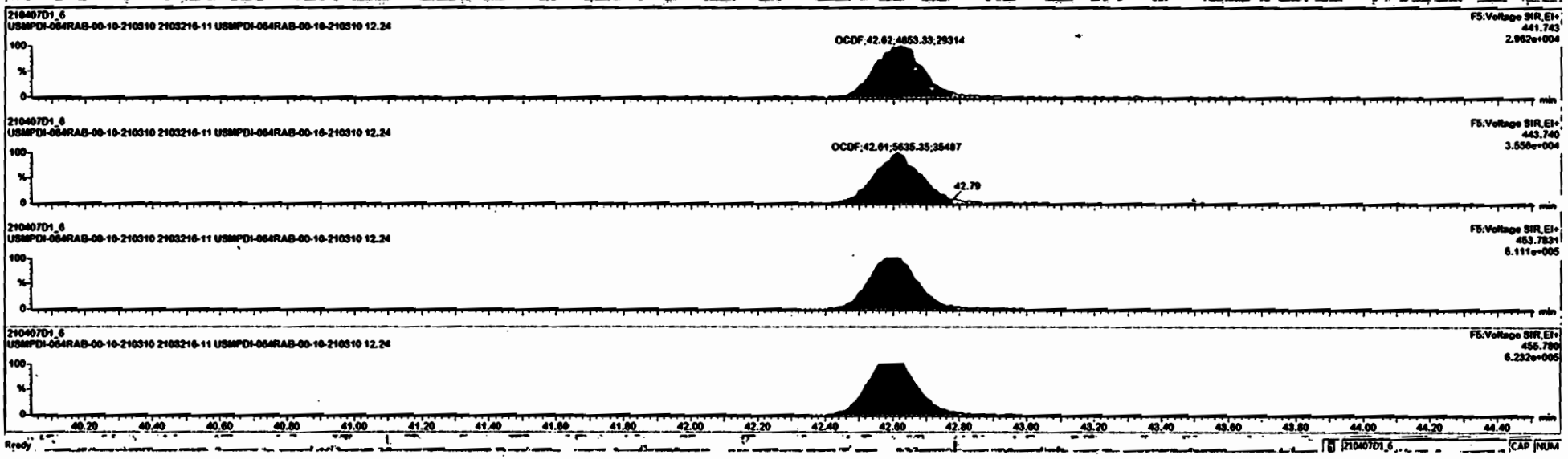
TargetLynx - 210407D1-6 Chromatogram

File Edit View Display Processing Window Help

210407D1_6 - 2103216-11 USMPDI-064RAB-00-10-210310 12.24 - USMPDI-064RAB-00-10-210310

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
13	2,3,4,6,7,8-HxCDF	9.40e2	1.15	NO	1.13	10.314	34.63	1.001	0.874		0.199	0.874
14	1,2,3,7,8,9-HxCDF			NO	1.07	10.314					0.240	
15	1,2,3,4,6,7,8-HpCDF	2.30e4	1.00	NO	1.11	10.314	37.29	1.001	25.5		0.202	25.5
16	1,2,3,4,7,8,9-HpCDF			NO	1.32	10.314					0.290	
17	OCDF	1.05e4	0.88	NO	0.93	10.314	42.62	1.000	19.6		0.447	19.6
18	13C-2,3,7,8-TCDD	1.97e5	0.88	NO	1.20	10.314	27.07	1.024	179	87.6	0.310	
19	13C-1,2,3,7,8-PeCDD	1.54e5	0.63	NO	0.86	10.314	31.23	1.181	185	95.3	0.194	
20	13C-1,2,3,4,7,8-HxCDD	1.23e5	1.35	NO	0.60	10.314	34.71	1.015	203	105	0.517	
21	13C-1,2,3,6,7,8-HxCDD	1.39e5	1.29	NO	0.67	10.314	34.83	1.019	204	105	0.460	
22	13C-1,2,3,7,8,9-HxCDD	1.47e5	1.28	NO	0.68	10.314	35.14	1.028	215	111	0.457	
23	13C-1,2,3,4,6,7,8-HpCDD	1.17e5	1.05	NO	0.56	10.314	38.56	1.128	208	107	0.854	
24	13C-OCDD	1.54e5	0.89	NO	0.50	10.314	42.27	1.236	306	78.9	0.625	
25	13C-2,3,7,8-TCDF	2.91e5	0.79	NO	1.03	10.314	26.49	1.002	185	95.2	0.273	
26	13C-1,2,3,7,8-PeCDF	2.31e5	1.58	NO	0.81	10.314	30.10	1.139	188	98.1	0.471	

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

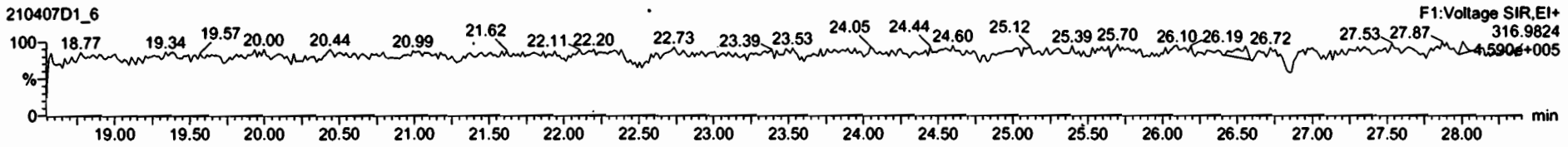


Dataset: Untitled

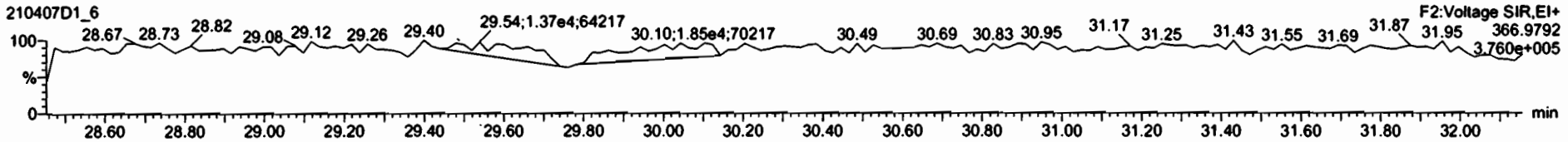
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_6, Date: 07-Apr-2021, Time: 12:38:51, ID: 2103216-11 USMPDI-064RAB-00-10-210310 12.24, Description: USMPDI-064RAB-00-10-210310

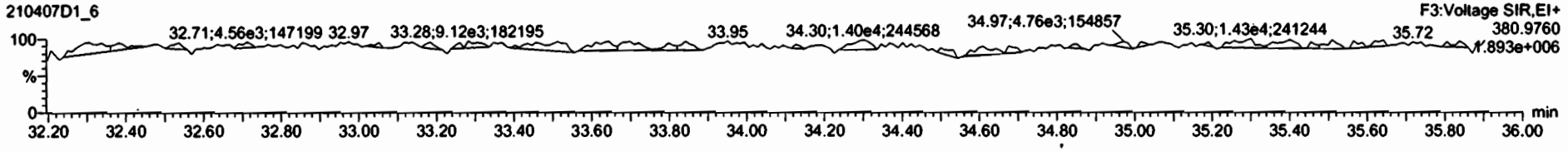
PFK1



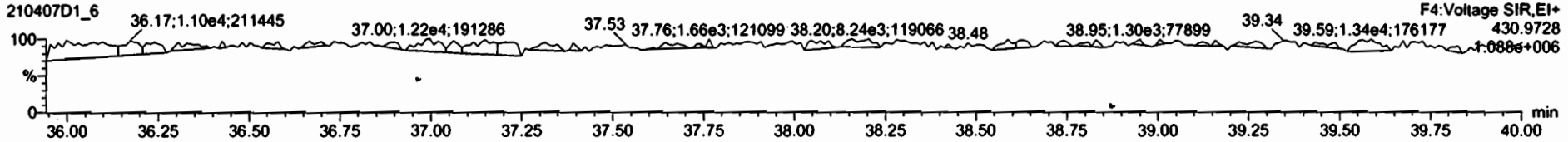
PFK2



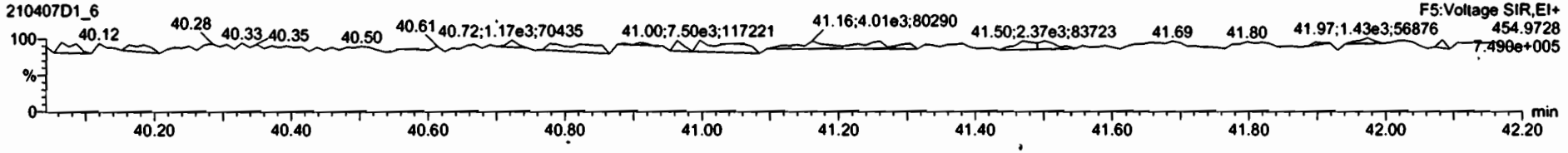
PFK3



PFK4



PFK5



Dataset: U:\VG7.PRO\Results\210407D1\210407D1-7.qld

Last Altered: Saturday, April 17, 2021 11:14:37 Pacific Daylight Time
Printed: Saturday, April 17, 2021 11:14:54 Pacific Daylight Time

4.17.2021 CTO4/21/2021

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_4-6-21.mdb 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210407D1_7, Date: 07-Apr-2021, Time: 13:25:31, ID: 2103216-12 USMPDI-064RAB-10-20-210311 14.45, Description: USMPDI-064RAB-10-20-210311, Task: ST210407D1-1

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD			NO	0.998	10.257					0.0438	
2	1,2,3,7,8-PeCDD			NO	0.961	10.257					0.101	
3	1,2,3,4,7,8-HxCDD			NO	1.18	10.257					0.194	
4	1,2,3,6,7,8-HxCDD			NO	1.04	10.257					0.201	
5	1,2,3,7,8,9-HxCDD			NO	1.06	10.257					0.196	
6	1,2,3,4,6,7,8-HpCDD	8.41e2	0.96	NO	1.06	10.257	38.56	1.000	1.2103		0.295	1.21
7	OCDD	3.52e3	0.90	NO	0.977	10.257	42.32	1.001	8.6705		1.17	8.67
8	2,3,7,8-TCDF			NO	0.989	10.257					0.0471	
9	1,2,3,7,8-PeCDF			NO	1.02	10.257					0.0782	
10	2,3,4,7,8-PeCDF			NO	1.17	10.257					0.0686	
11	1,2,3,4,7,8-HxCDF			NO	1.14	10.257					0.0624	
12	1,2,3,6,7,8-HxCDF			NO	1.04	10.257					0.0636	
13	2,3,4,6,7,8-HxCDF			NO	1.13	10.257					0.0732	
14	1,2,3,7,8,9-HxCDF	4.46e1	1.01	YES	1.07	10.257	35.71	1.000	0.038477		0.0880	0.0349
15	1,2,3,4,6,7,8-HpCDF	2.42e2	1.08	NO	1.11	10.257	37.29	1.000	0.23367		0.123	0.234
16	1,2,3,4,7,8,9-HpCDF			NO	1.32	10.257					0.192	
17	OCDF			NO	0.931	10.257					0.334	
18	13C-2,3,7,8-TCDD	2.54e5	0.79	NO	1.20	10.257	27.08	1.024	228.63	117	0.305	
19	13C-1,2,3,7,8-PeCDD	1.88e5	0.63	NO	0.864	10.257	31.21	1.181	235.79	121	0.388	
20	13C-1,2,3,4,7,8-HxCDD	1.38e5	1.29	NO	0.600	10.257	34.70	1.015	214.28	110	0.588	
21	13C-1,2,3,6,7,8-HxCDD	1.65e5	1.29	NO	0.674	10.257	34.83	1.019	227.42	117	0.523	
22	13C-1,2,3,7,8,9-HxCDD	1.64e5	1.31	NO	0.679	10.257	35.14	1.028	224.99	115	0.520	
23	13C-1,2,3,4,6,7,8-HpCDD	1.28e5	1.04	NO	0.558	10.257	38.54	1.127	213.02	109	1.05	
24	13C-OCDD	1.62e5	0.89	NO	0.496	10.257	42.29	1.237	304.27	78.0	0.574	
25	13C-2,3,7,8-TCDF	3.68e5	0.78	NO	1.03	10.257	26.49	1.002	223.09	114	0.270	
26	13C-1,2,3,7,8-PeCDF	2.89e5	1.62	NO	0.805	10.257	30.08	1.138	223.38	115	0.311	
27	13C-2,3,4,7,8-PeCDF	2.71e5	1.61	NO	0.748	10.257	31.05	1.175	225.64	116	0.335	
28	13C-1,2,3,4,7,8-HxCDF	2.29e5	0.50	NO	0.968	10.257	33.69	0.985	220.07	113	0.986	
29	13C-1,2,3,6,7,8-HxCDF	2.61e5	0.51	NO	1.08	10.257	33.84	0.990	223.76	115	0.880	
30	13C-2,3,4,6,7,8-HxCDF	2.10e5	0.50	NO	0.960	10.257	34.56	1.011	203.83	105	0.994	

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-7.qld

Last Altered: Saturday, April 17, 2021 11:14:37 Pacific Daylight Time
Printed: Saturday, April 17, 2021 11:14:54 Pacific Daylight Time

Name: 210407D1_7, Date: 07-Apr-2021, Time: 13:25:31, ID: 2103216-12 USMPDI-064RAB-10-20-210311 14.45, Description: USMPDI-064RAB-10-20-210311, Task: ST210407D1-1

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	2.10e5	0.50	NO	0.869	10.257	35.69	1.044	224.87	115	1.10	
32	13C-1,2,3,4,6,7,8-HpCDF	1.82e5	0.41	NO	0.794	10.257	37.28	1.090	212.68	109	0.828	
33	13C-1,2,3,4,7,8,9-HpCDF	1.27e5	0.42	NO	0.586	10.257	39.25	1.148	200.97	103	1.12	
34	13C-OCDF	2.37e5	0.89	NO	0.711	10.257	42.65	1.247	309.56	79.4	0.349	
35	37Cl-2,3,7,8-TCDD	9.37e4			1.11	10.257	27.09	1.025	91.450	117	0.0459	
36	13C-1,2,3,4-TCDD	1.80e5	0.88	NO	1.00	10.257	26.43	1.000	194.98	100	0.367	
37	13C-1,2,3,4-TCDF	3.13e5	0.83	NO	1.00	10.257	25.21	1.000	194.98	100	0.277	
38	13C-1,2,3,4,6,9-HxCDF	2.10e5	0.51	NO	1.00	10.257	34.19	1.000	194.98	100	0.955	
39	Total Tetra-Dioxins				0.998	10.257					0.0281	
40	Total Penta-Dioxins				0.961	10.257			0.00000		0.0504	0.225
41	Total Hexa-Dioxins				1.04	10.257			0.62230		0.207	0.622
42	Total Hepta-Dioxins				1.06	10.257			2.7080		0.295	2.71
43	Total Tetra-Furans				0.989	10.257			0.17799		0.0471	0.284
44	1st Func. Penta-Furans				1.02	10.257			0.34482		0.0213	0.345
45	Total Penta-Furans				1.02	10.257			0.16609		0.0445	0.166
46	Total Hexa-Furans				1.13	10.257			0.36934		0.0413	0.404
47	Total Hepta-Furans				1.11	10.257			0.53231		0.166	0.532

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-7.qld

Last Altered: Saturday, April 17, 2021 11:14:37 Pacific Daylight Time
Printed: Saturday, April 17, 2021 11:14:54 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_4-6-21.mdb 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210407D1_7, Date: 07-Apr-2021, Time: 13:25:31, ID: 2103216-12 USMPDI-064RAB-10-20-210311 14.45, Description: USMPDI-064RAB-10-20-210311, Task: ST210407D1-1

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	29.80	1.208e3	2.921e3	8.090e1	2.585e2	0.31	YES	0.000e0	0.00000	0.22528	0.101

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hexa-Dioxins	32.90	5.037e3	4.315e3	2.934e2	2.236e2	1.31	NO	5.170e2	0.62230	0.62230	0.207

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hepta-Dioxins	37.62	6.452e3	7.141e3	5.294e2	5.112e2	1.04	NO	1.041e3	1.4977	1.4977	0.295
2	1,2,3,4,6,7,8-HpCDD	38.56	4.465e3	4.914e3	4.125e2	4.284e2	0.96	NO	8.409e2	1.2103	1.2103	0.295

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Tetra-Furans	23.31	1.810e3	2.394e3	1.354e2	1.966e2	0.69	NO	3.320e2	0.17799	0.17799	0.0471
2	Total Tetra-Furans	27.47	9.800e2	1.640e3	3.218e1	6.475e1	0.50	YES	0.000e0	0.00000	0.039656	0.0471
3	Total Tetra-Furans	27.61	1.587e3	1.495e3	8.594e1	7.040e1	1.22	YES	0.000e0	0.00000	0.066804	0.0471

Penta-Furans function 1

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	1st Func. Penta-Furans	27.78	5.972e3	3.940e3	3.003e2	2.060e2	1.46	NO	5.063e2	0.34482	0.34482	0.0213

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-7.qld

Last Altered: Saturday, April 17, 2021 11:14:37 Pacific Daylight Time
Printed: Saturday, April 17, 2021 11:14:54 Pacific Daylight Time

Name: 210407D1_7, Date: 07-Apr-2021, Time: 13:25:31, ID: 2103216-12 USMPDI-064RAB-10-20-210311 14.45, Description: USMPDI-064RAB-10-20-210311, Task: ST210407D1-1

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Penta-Furans	29.22	1.630e3	1.231e3	1.392e2	1.047e2	1.33	NO	2.439e2	0.16609	0.16609	0.0445

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hexa-Furans	32.48	2.283e3	2.005e3	1.365e2	1.122e2	1.22	NO	2.487e2	0.18885	0.18885	0.0689
2	Total Hexa-Furans	33.19	2.314e3	2.275e3	1.339e2	1.039e2	1.29	NO	2.377e2	0.18049	0.18049	0.0413
3	1,2,3,7,8,9-HxCDF	35.71	7.840e2	5.610e2	2.238e1	2.219e1	1.01	YES	4.457e1	0.00000	0.034897	0.0880

Hepta-Furans

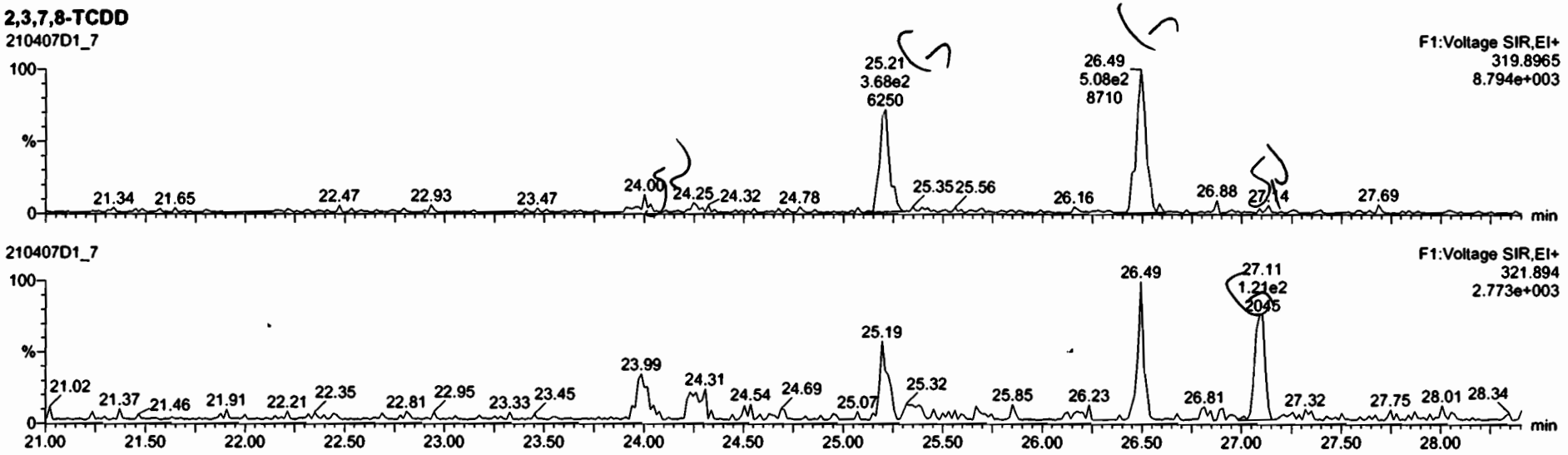
	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	37.29	1.995e3	1.631e3	1.258e2	1.167e2	1.08	NO	2.425e2	0.23367	0.23367	0.123
2	Total Hepta-Furans	37.89	2.085e3	2.306e3	1.260e2	1.370e2	0.92	NO	2.630e2	0.29864	0.29864	0.166

Dataset: Untitled

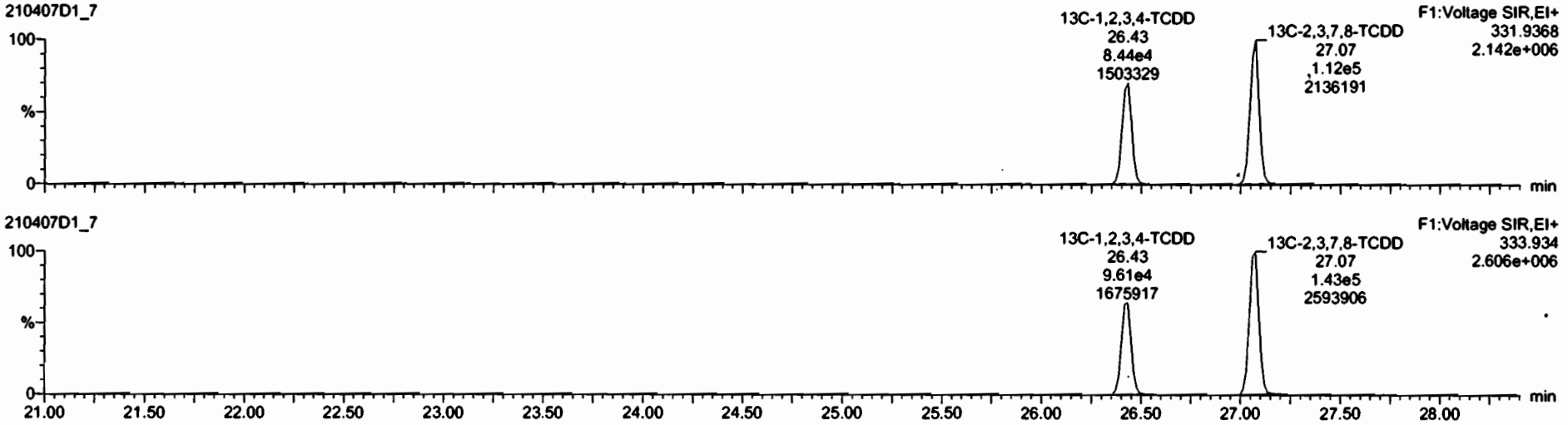
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_7, Date: 07-Apr-2021, Time: 13:25:31, ID: 2103216-12 USMPDI-064RAB-10-20-210311 14.45, Description: USMPDI-064RAB-10-20-210311

2,3,7,8-TCDD



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

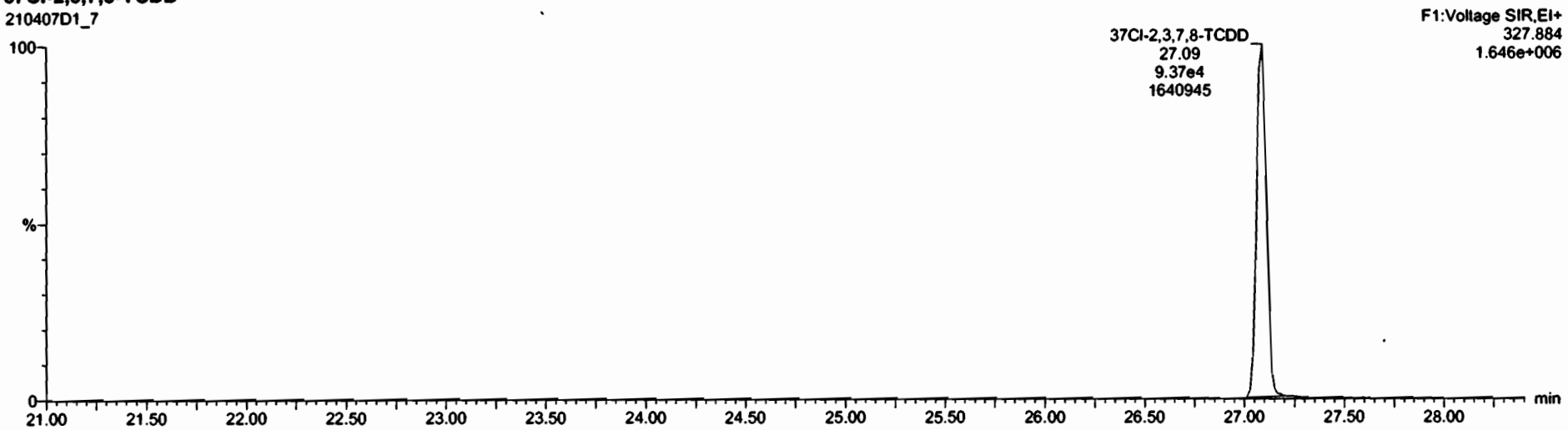


Dataset: Untitled

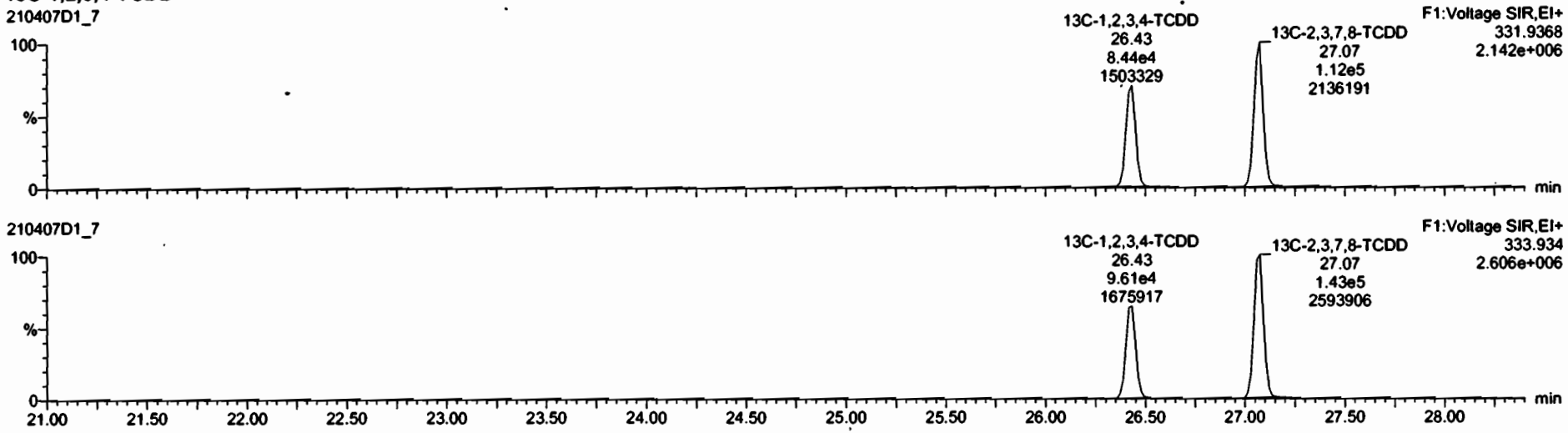
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_7, Date: 07-Apr-2021, Time: 13:25:31, ID: 2103216-12 USMPDI-064RAB-10-20-210311 14.45, Description: USMPDI-064RAB-10-20-210311

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



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

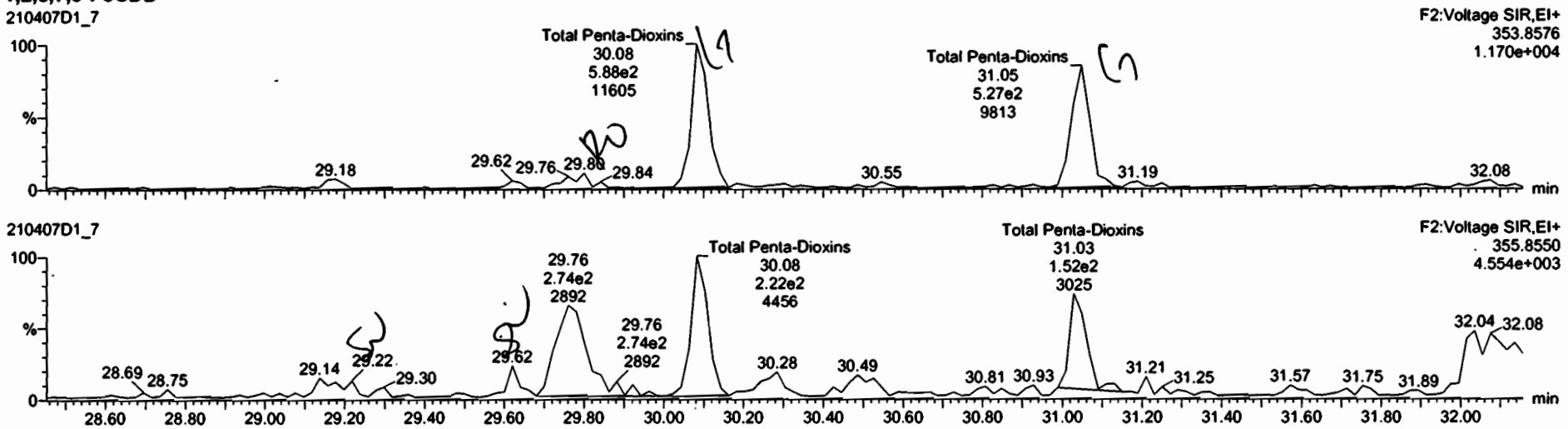


Dataset: Untitled

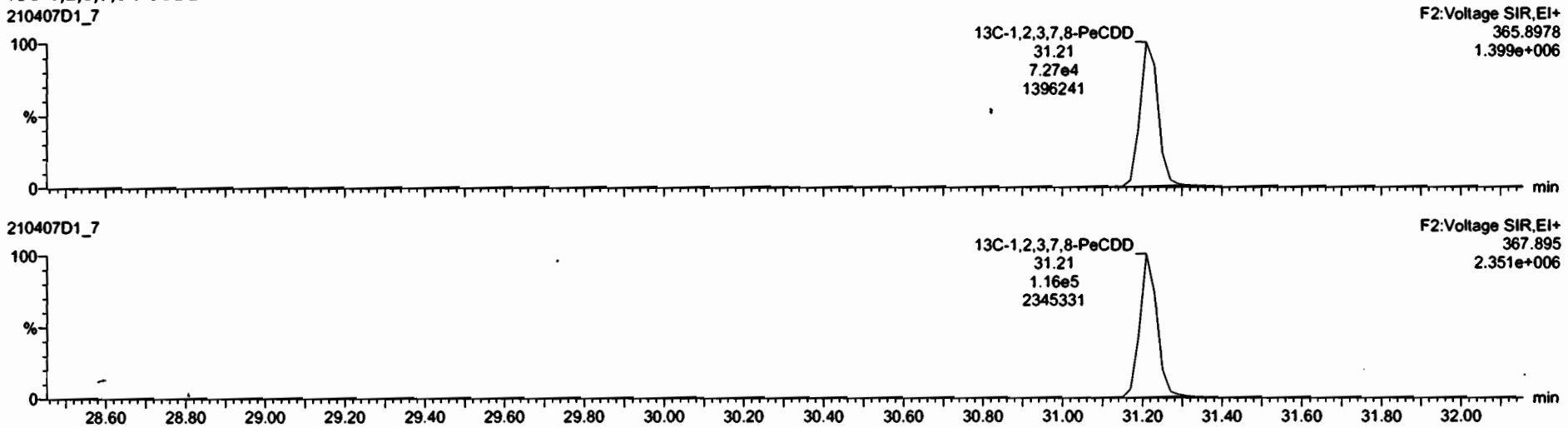
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

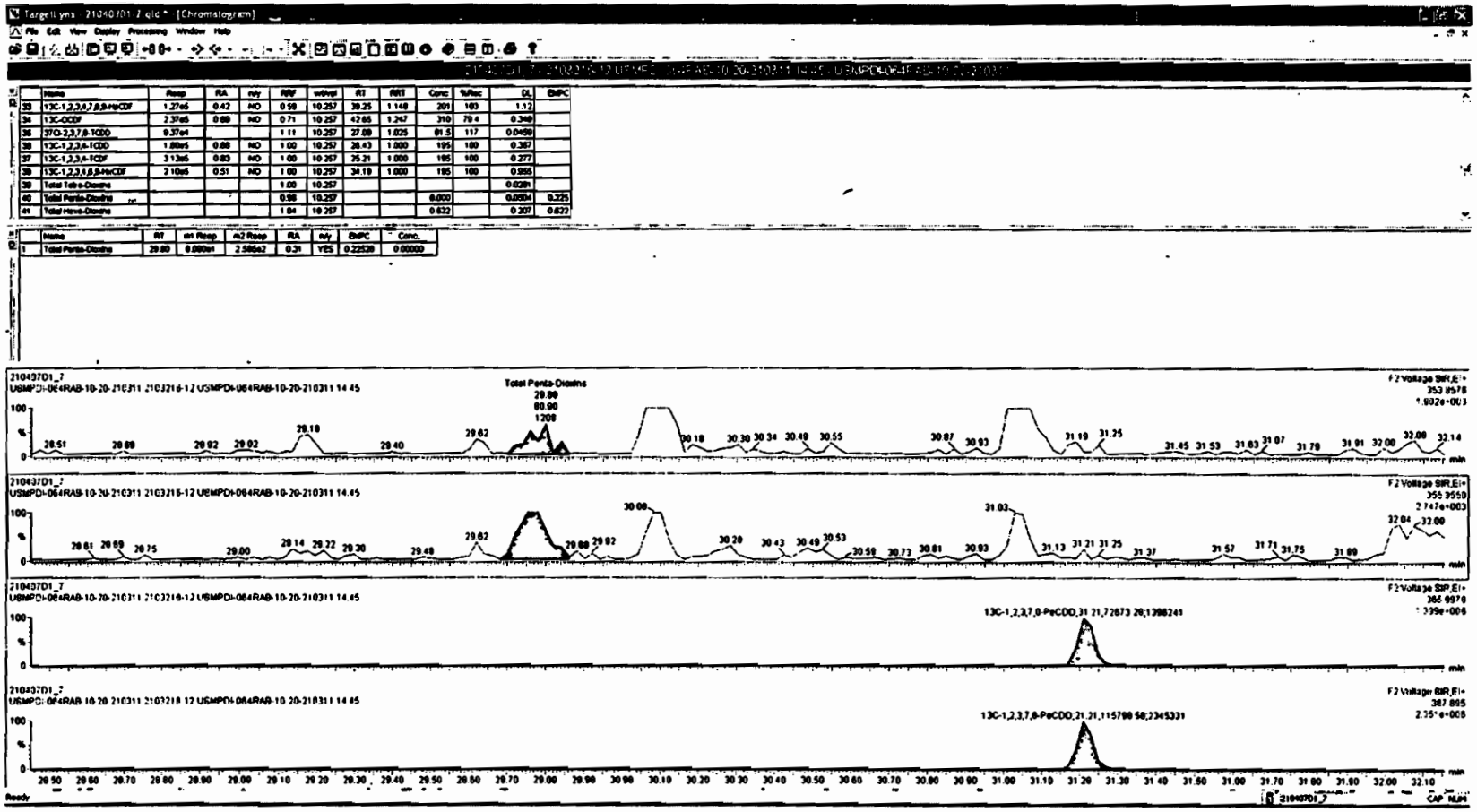
Name: 210407D1_7, Date: 07-Apr-2021, Time: 13:25:31, ID: 2103216-12 USMPDI-064RAB-10-20-210311 14.45, Description: USMPDI-064RAB-10-20-210311

1,2,3,7,8-PeCDD



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



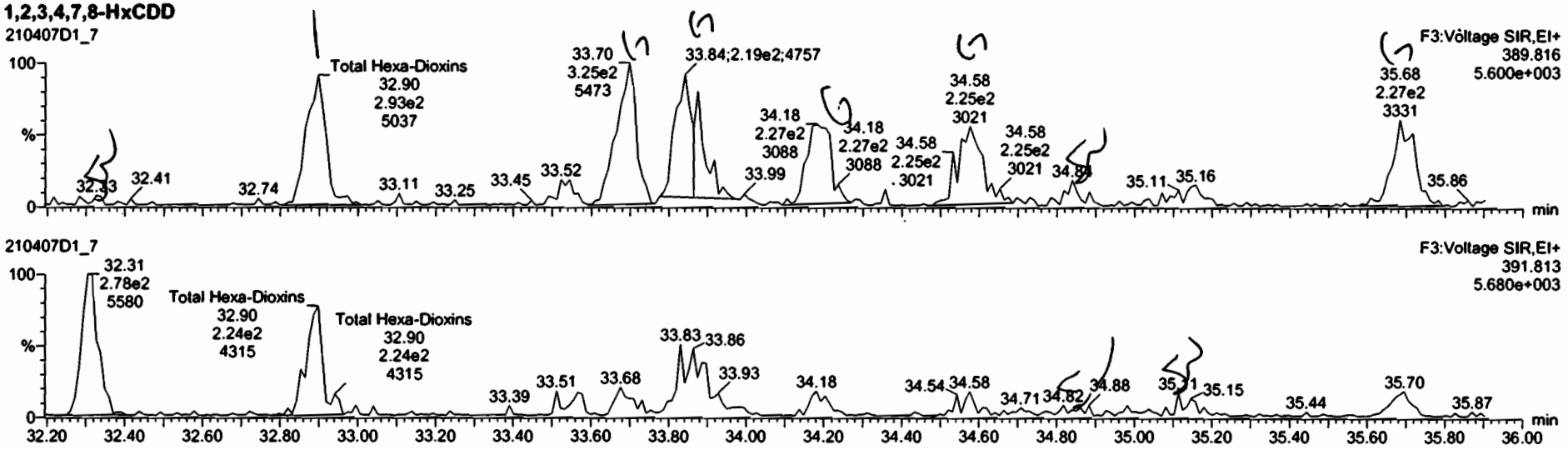

Total Penta-Dioxins
29.80
60.00
1208
13C-1,2,3,7,8-PeCDD,31.21,72673,20.1398241
13C-1,2,3,7,8-PeCDD,31.21,115798.58,2345331

Dataset: Untitled

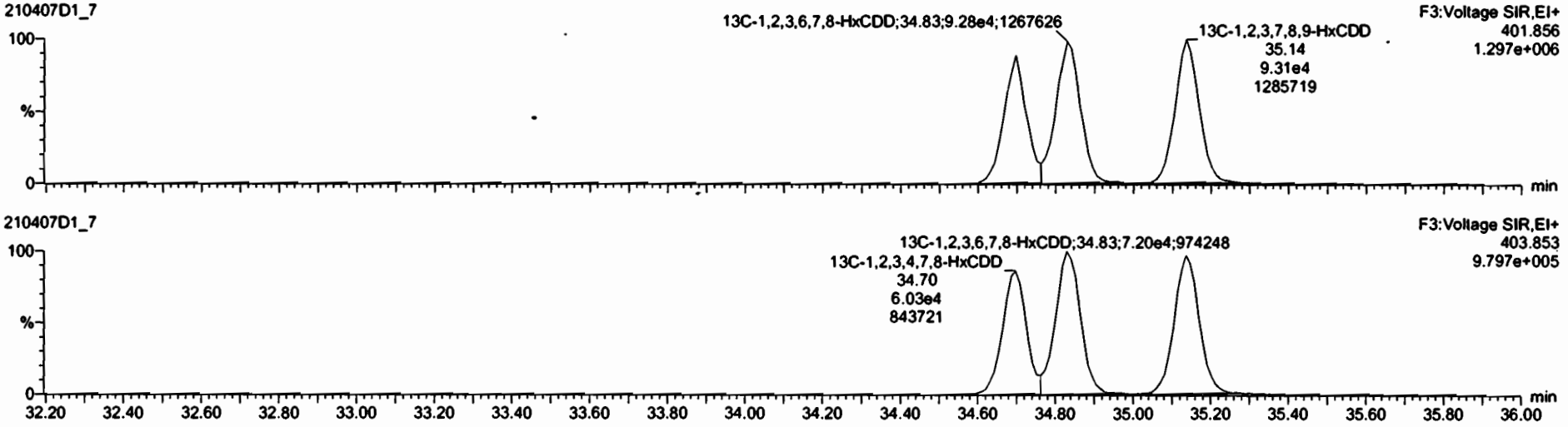
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_7, Date: 07-Apr-2021, Time: 13:25:31, ID: 2103216-12 USMPDI-064RAB-10-20-210311 14.45, Description: USMPDI-064RAB-10-20-210311

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



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

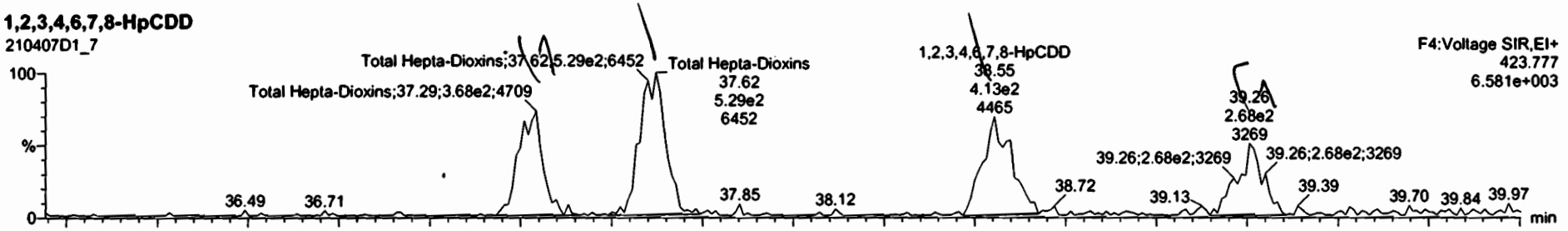


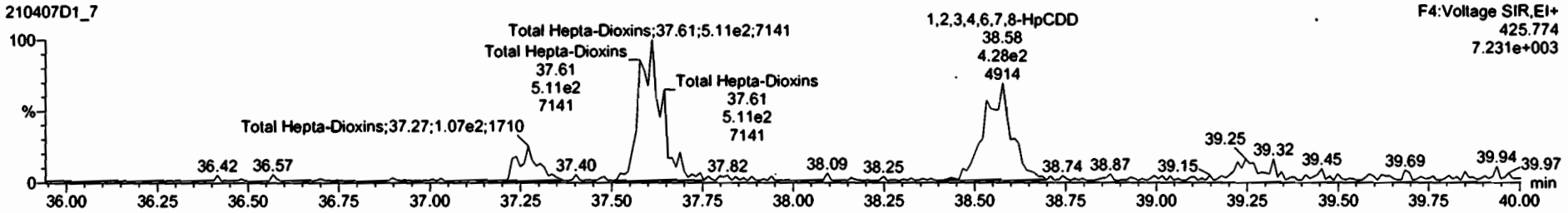
Dataset: Untitled

Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

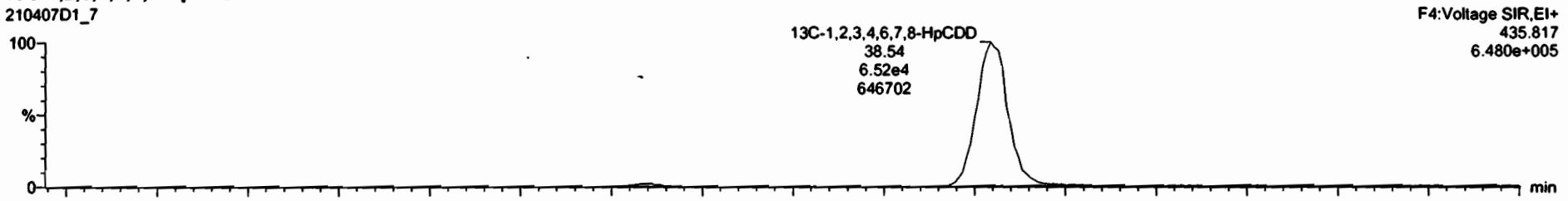
Name: 210407D1_7, Date: 07-Apr-2021, Time: 13:25:31, ID: 2103216-12 USMPDI-064RAB-10-20-210311 14.45, Description: USMPDI-064RAB-10-20-210311

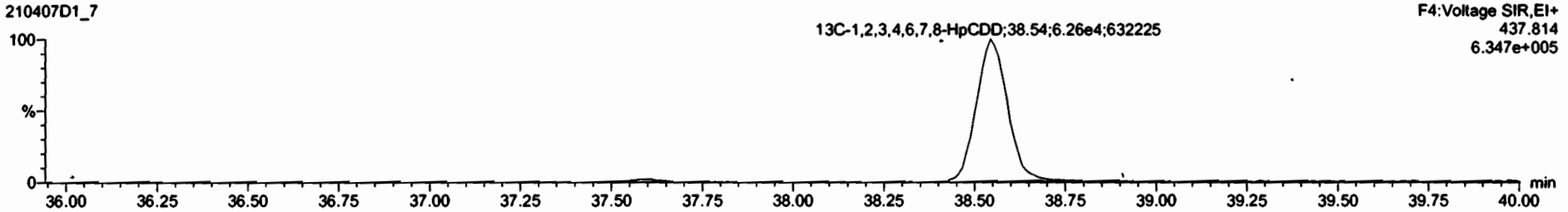
1,2,3,4,6,7,8-HpCDD





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



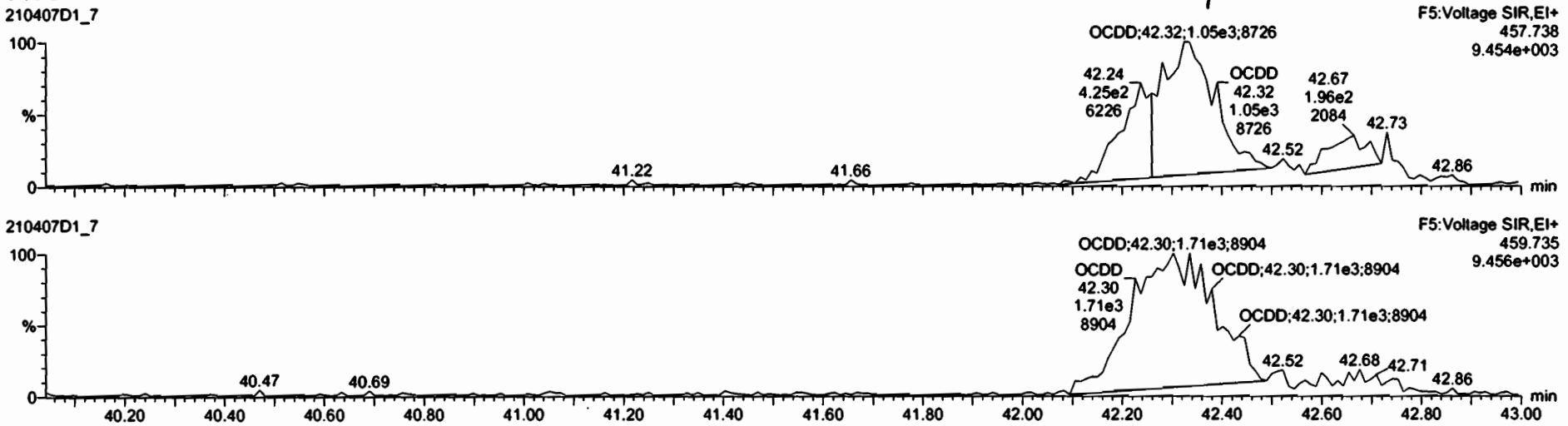


Dataset: Untitled

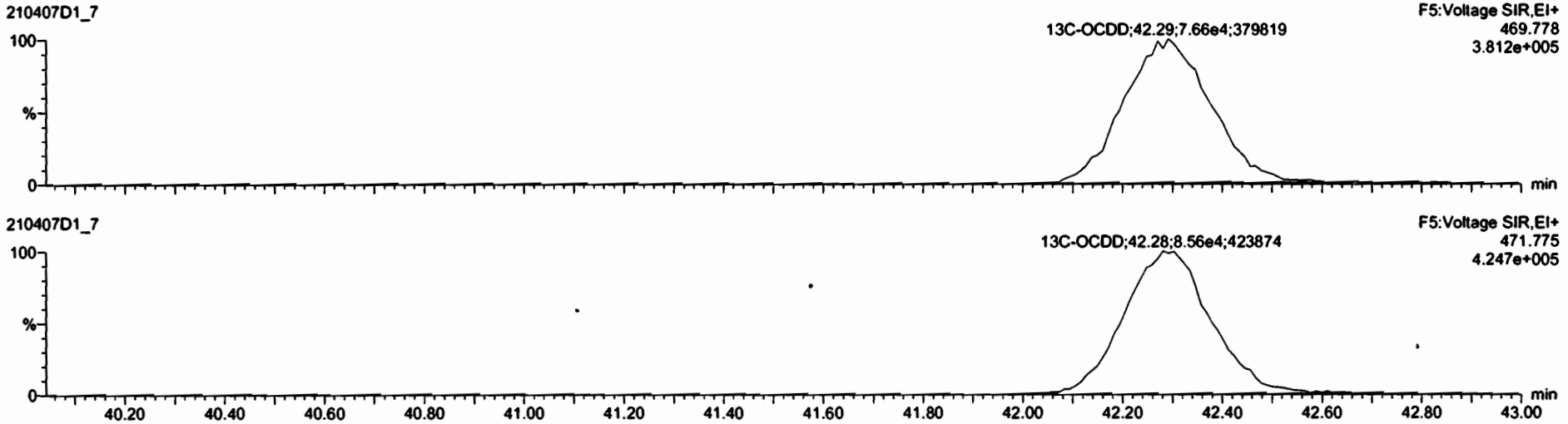
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

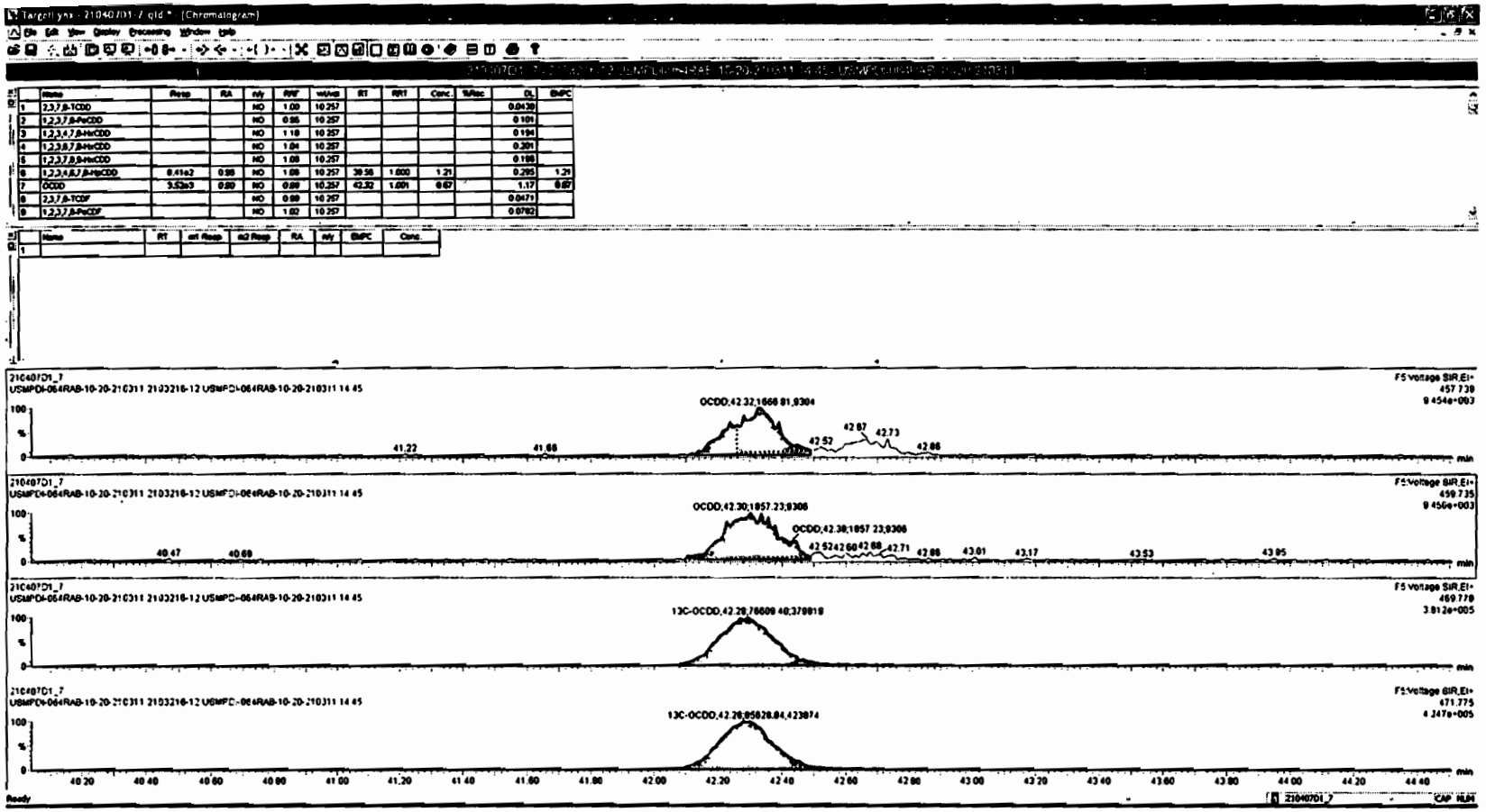
Name: 210407D1_7, Date: 07-Apr-2021, Time: 13:25:31, ID: 2103216-12 USMPDI-064RAB-10-20-210311 14.45, Description: USMPDI-064RAB-10-20-210311

OCDD



13C-OCDD



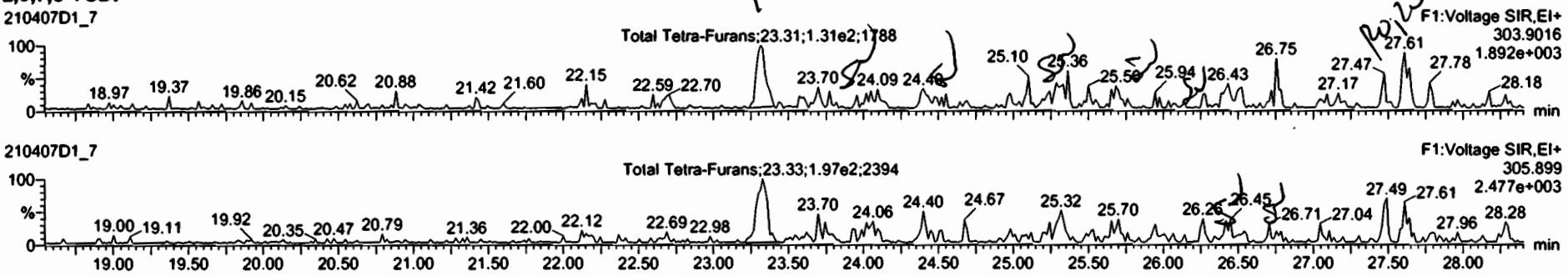

OCDD;42.32;1668.81;9304
OCDD;42.30;1857.23;9306
13C-OCDD;42.28;76609.40;379818
13C-OCDD;42.26;85828.84;423874

Dataset: Untitled

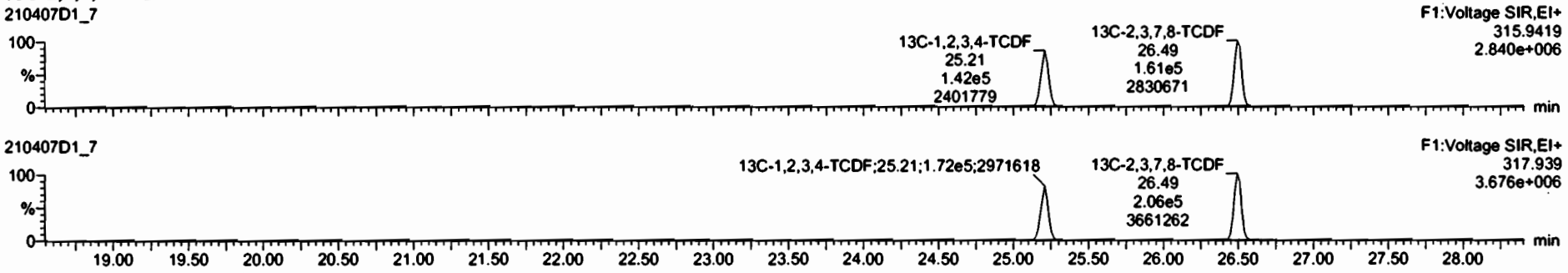
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_7, Date: 07-Apr-2021, Time: 13:25:31, ID: 2103216-12 USMPDI-064RAB-10-20-210311 14.45, Description: USMPDI-064RAB-10-20-210311

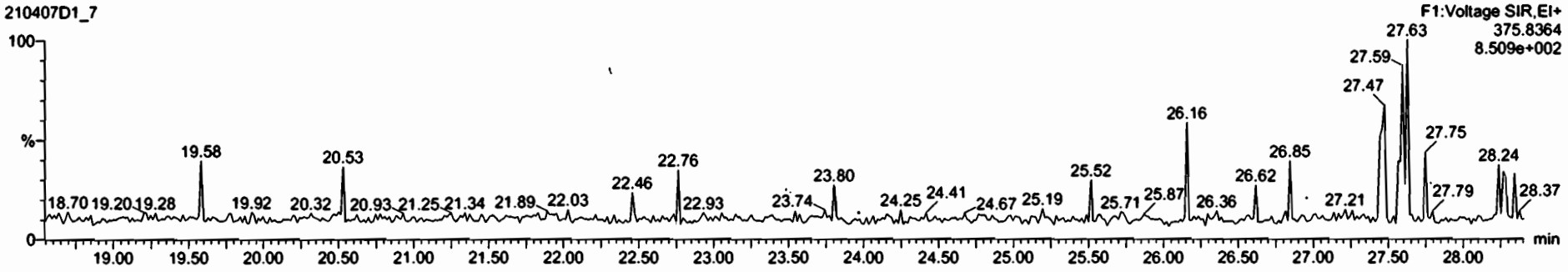
2,3,7,8-TCDF



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



DPE1



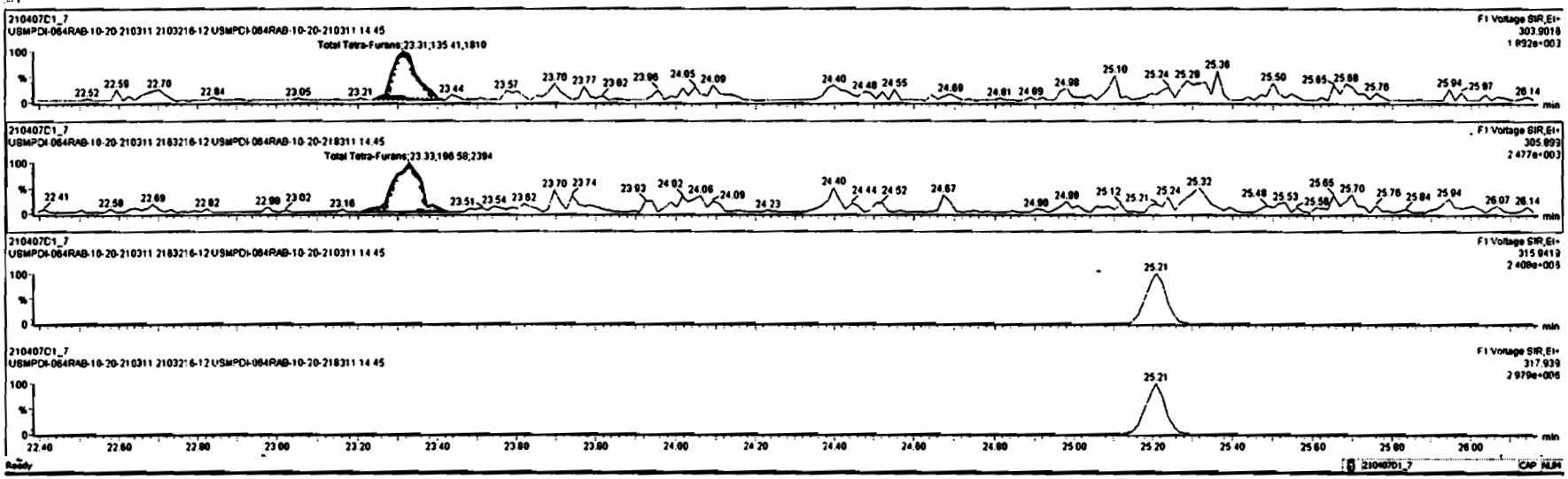
Target1.ynx - 210407D1-7.qld * - [Chromatogram]

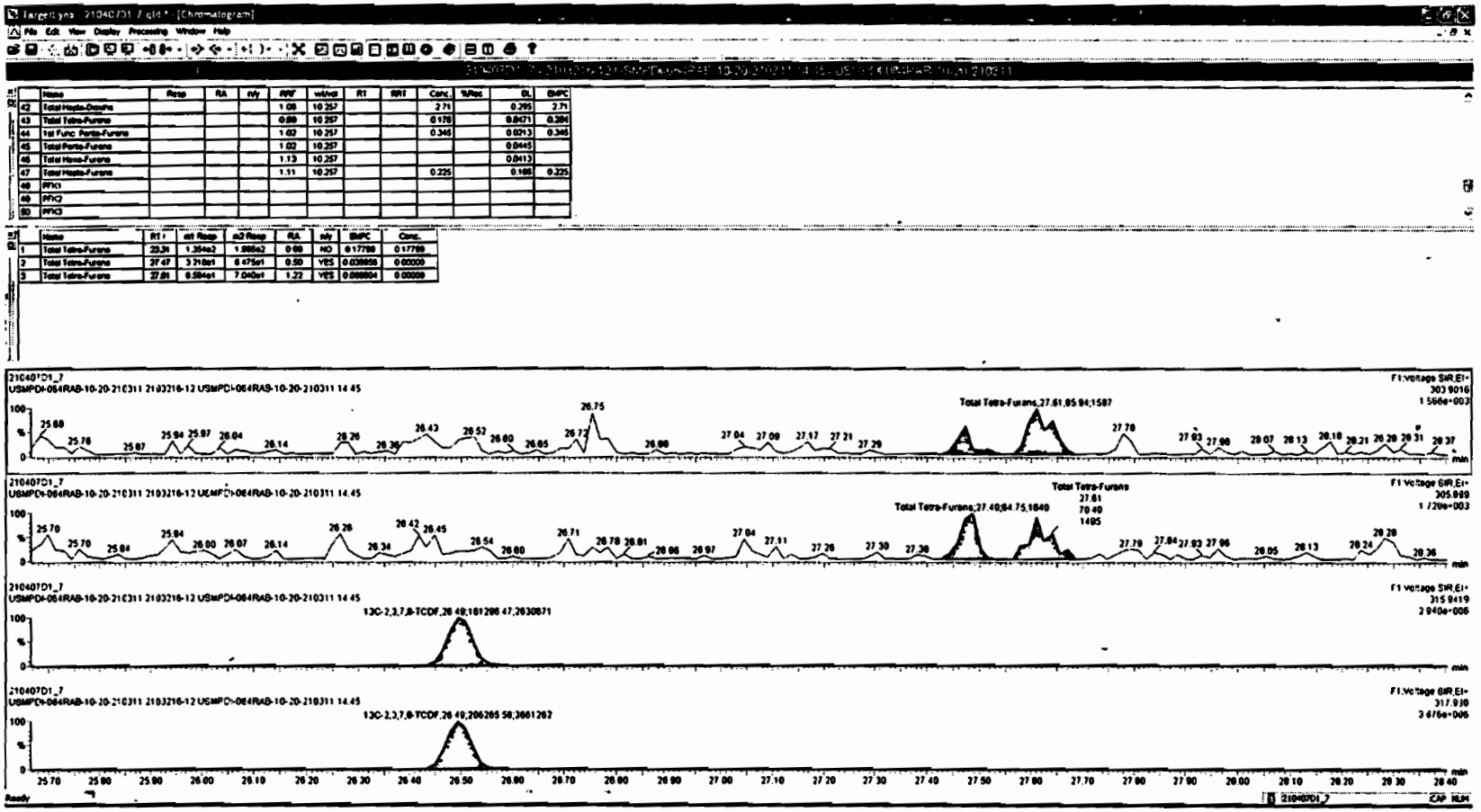
File Edit View Display Processing Window Help

210407D1_7 - 2103216-12 USMPDI-064RAB-10-20-210311 14:45 - USMPDI-064RAB-10-20-210311

	Name	Resp	RA	n/y	RRF	vol/vol	RT	RRT	Conc.	%Rec	DL	EMPC
42	Total Hepta-Dioxins				1.06	10.257			2.71		0.295	2.71
43	Total Tetra-Furans				0.99	10.257			0.179		0.0471	0.284
44	1st Func. Penta-Furans				1.02	10.257			0.345		0.0213	0.345
45	Total Penta-Furans				1.02	10.257					0.0445	
46	Total Hexa-Furans				1.13	10.257					0.0413	
47	Total Hepta-Furans				1.11	10.257			0.225		0.166	0.225
48	PFK1											
49	PFK2											
50	PFK3											

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Tetra-Furans	23.31	1.354e2	1.986e2	0.89	NO	0.17799	0.17799
2	Total Tetra-Furans	27.81	6.594e1	7.040e1	1.22	YES	0.068604	0.00000
3	Total Tetra-Furans	27.47	3.218e1	6.475e1	0.50	YES	0.038658	0.00000



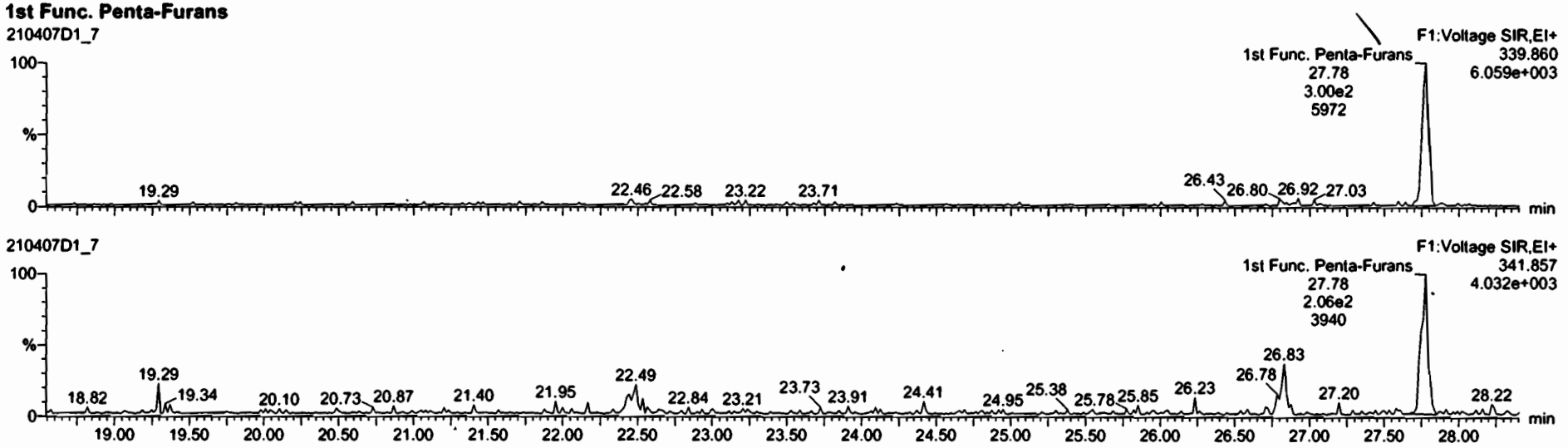

Total Tetra-Furans,27.61,85.94,1587
Total Tetra-Furans,27.40,84.75,1840
Total Tetra-Furans
27.61
70.40
1405
13C-2,3,7,8-TCDF,26.49,181286.47,2630871
13C-2,3,7,8-TCDF,26.49,206285.58,3661262

Dataset: Untitled

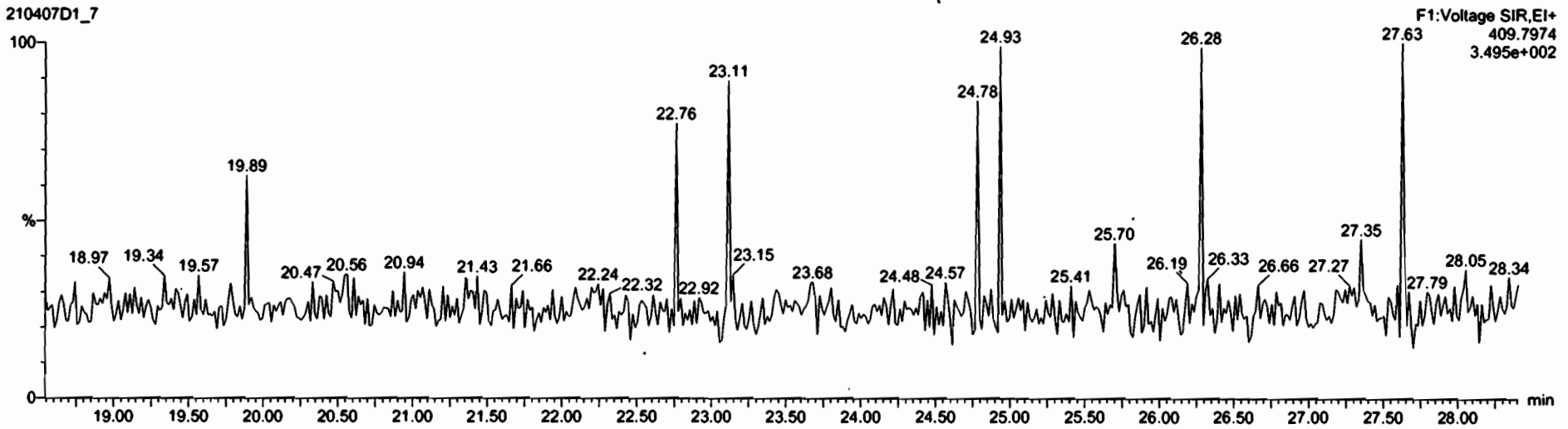
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_7, Date: 07-Apr-2021, Time: 13:25:31, ID: 2103216-12 USMPDI-064RAB-10-20-210311 14.45, Description: USMPDI-064RAB-10-20-210311

1st Func. Penta-Furans



DPE6

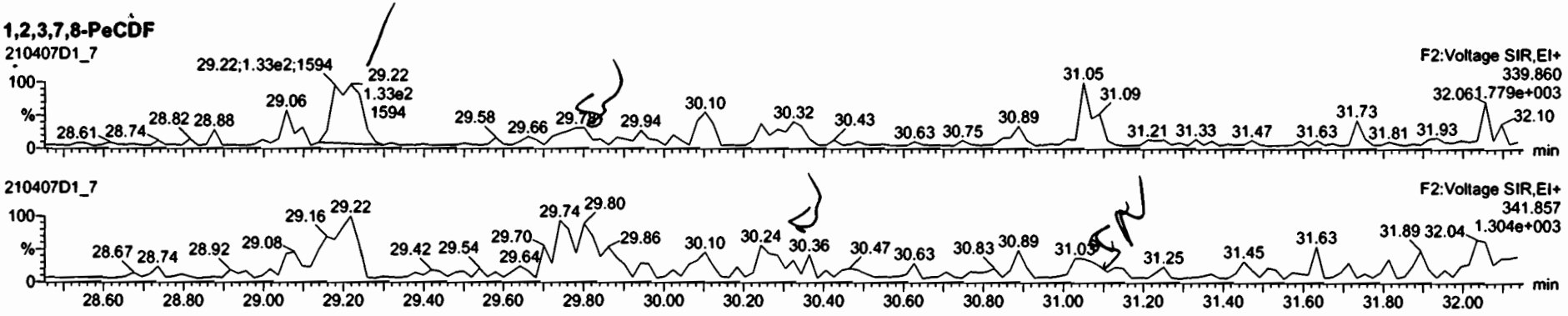


Dataset: Untitled

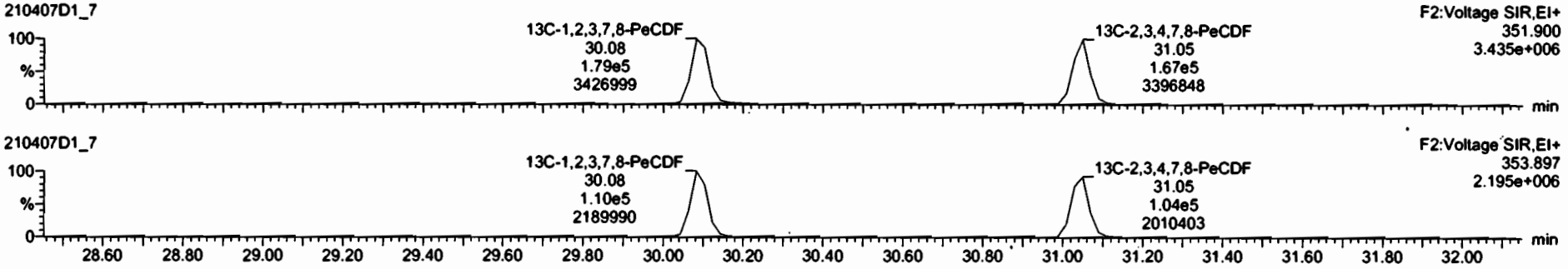
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_7, Date: 07-Apr-2021, Time: 13:25:31, ID: 2103216-12 USMPDI-064RAB-10-20-210311 14.45, Description: USMPDI-064RAB-10-20-210311

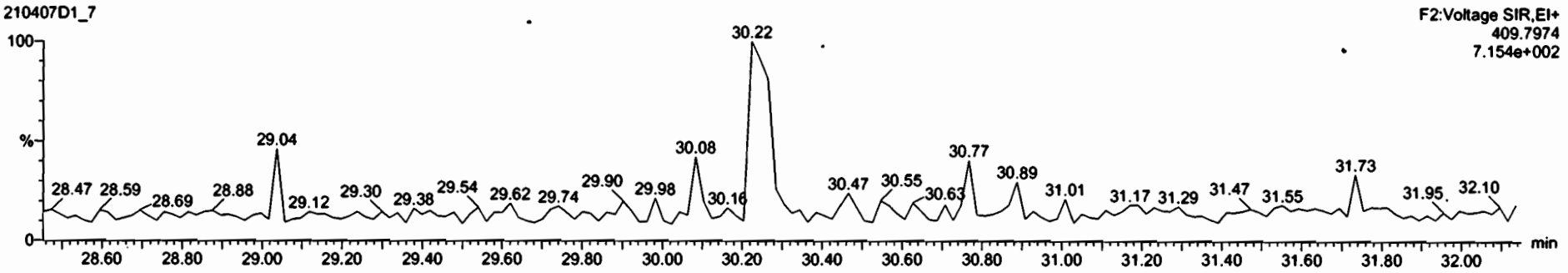
1,2,3,7,8-PeCDF



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



DPE2

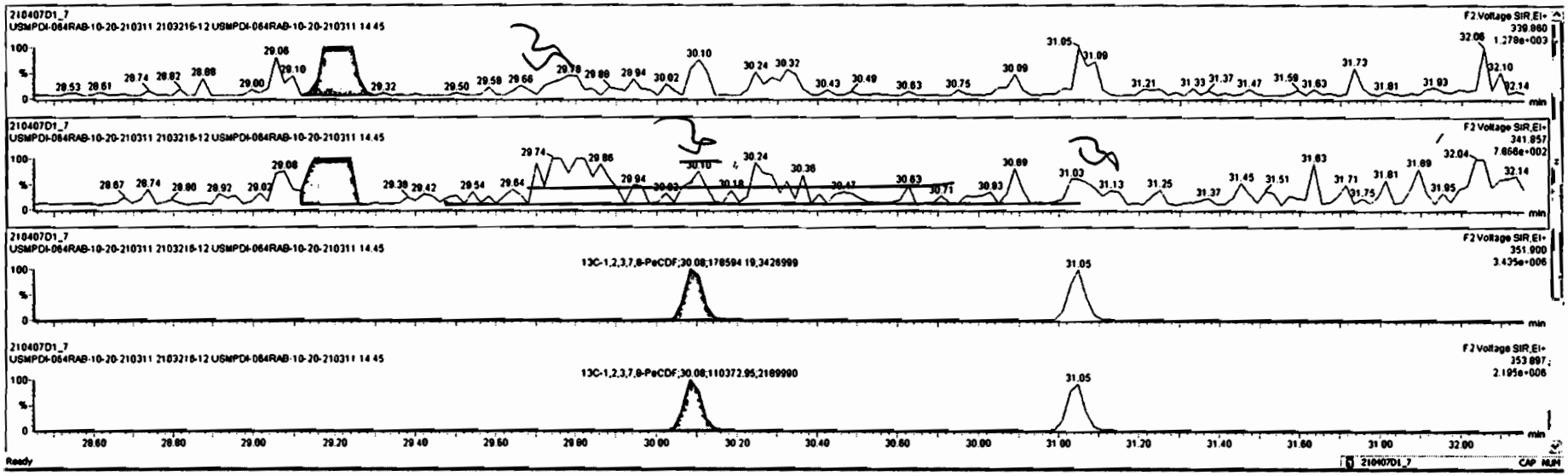


Targetl.ynx - 210407D1-7.qld * - [Chromatogram]

File Edit View Display Processing Window Help

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
42	Total Hepta-Dioxins				1.06	10.257			2.71		0.295	2.71
43	Total Tetra-Furans				0.99	10.257			0.178		0.0471	0.264
44	1st Func. Penta-Furans				1.02	10.257			0.345		0.0213	0.345
45	Total Penta-Furans				1.02	10.257			0.188		0.0445	0.188
46	Total Hexa-Furans				1.13	10.257					0.0413	
47	Total Hepta-Furans				1.11	10.257			0.225		0.188	0.225
48	PFK1											
49	PFK2											
50	PFK3											

	Name	RT	wt Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Penta-Furans	29.22	1.382e2	1.047e2	1.33	NO	0.16808	0.16809

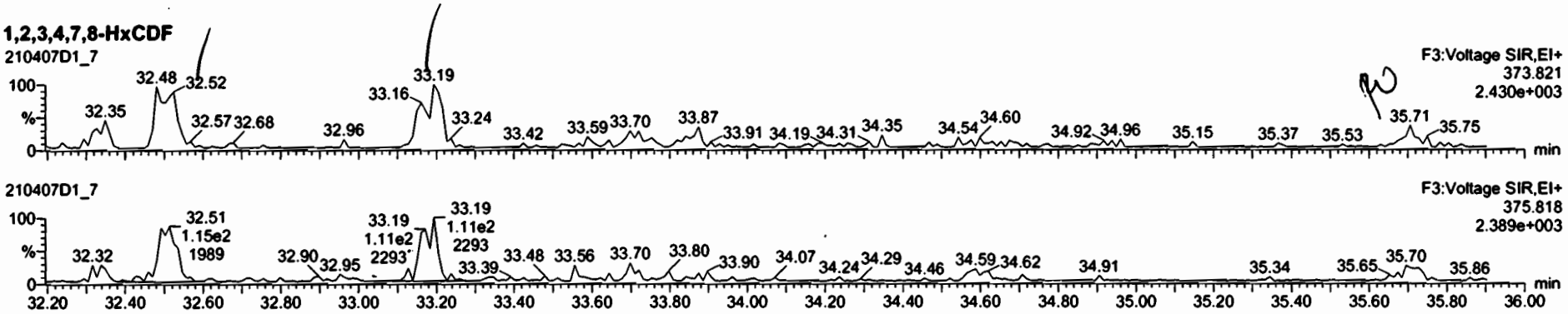


Dataset: Untitled

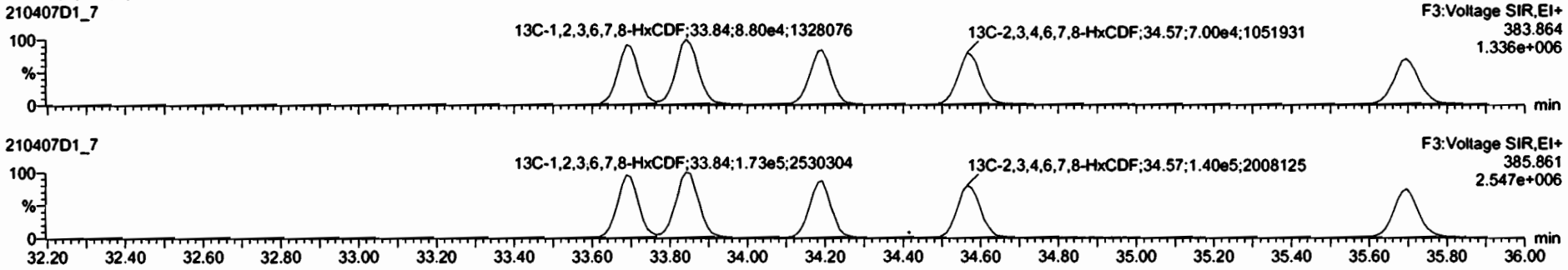
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_7, Date: 07-Apr-2021, Time: 13:25:31, ID: 2103216-12 USMPDI-064RAB-10-20-210311 14.45, Description: USMPDI-064RAB-10-20-210311

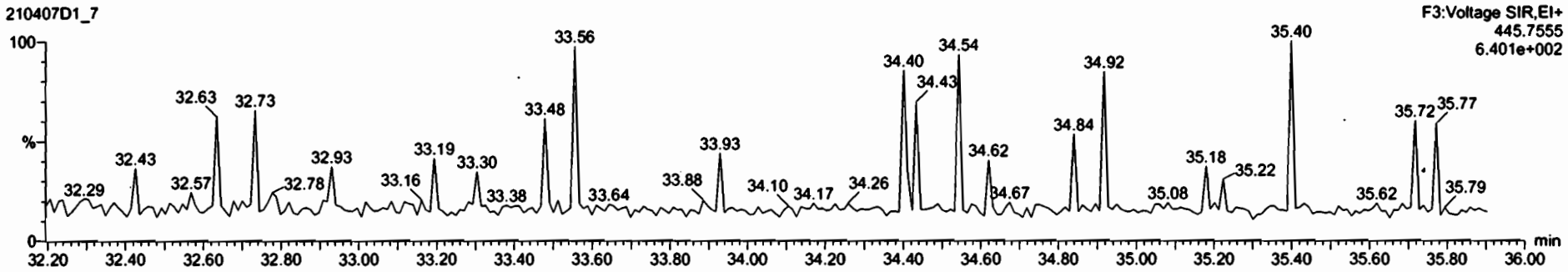
1,2,3,4,7,8-HxCDF

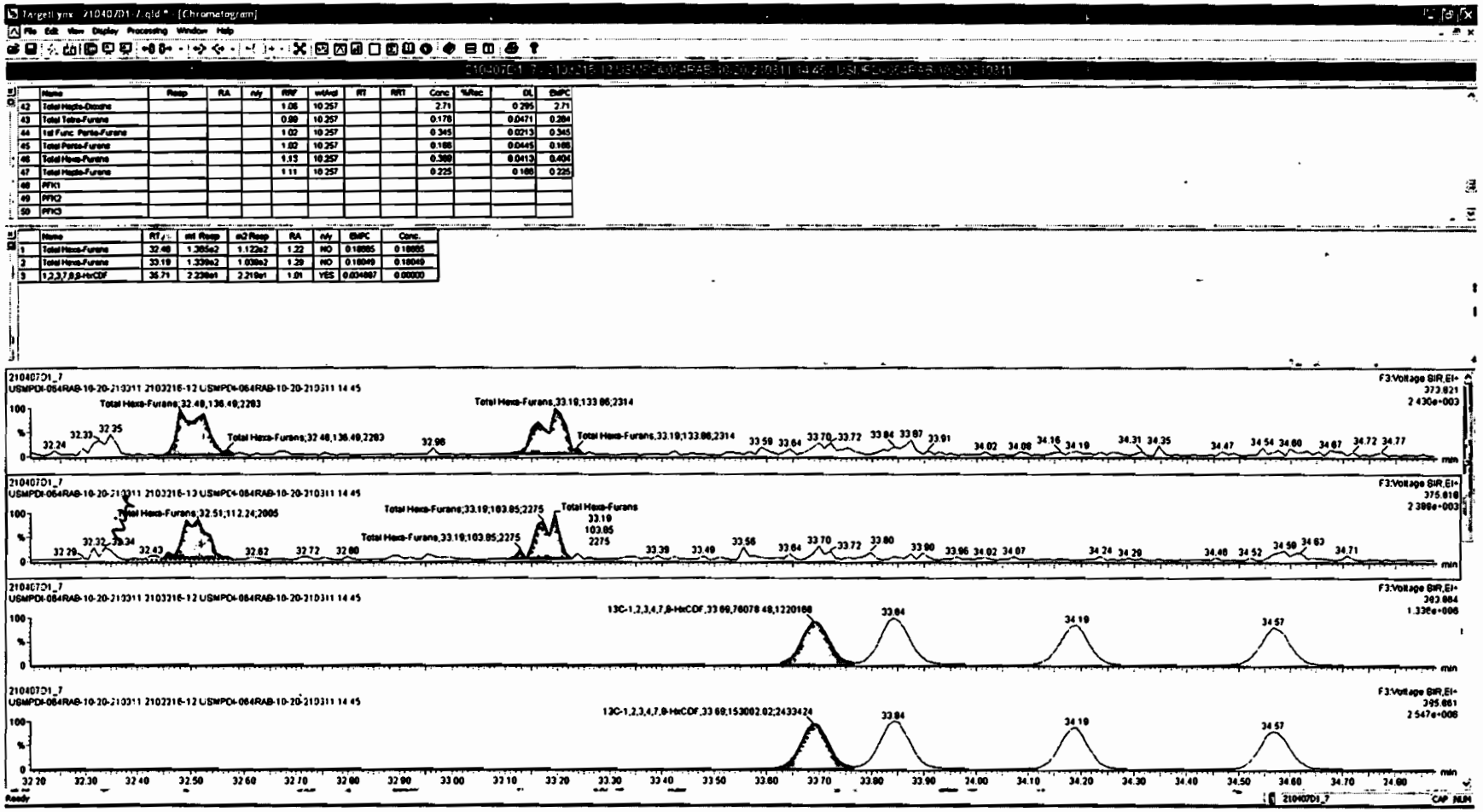


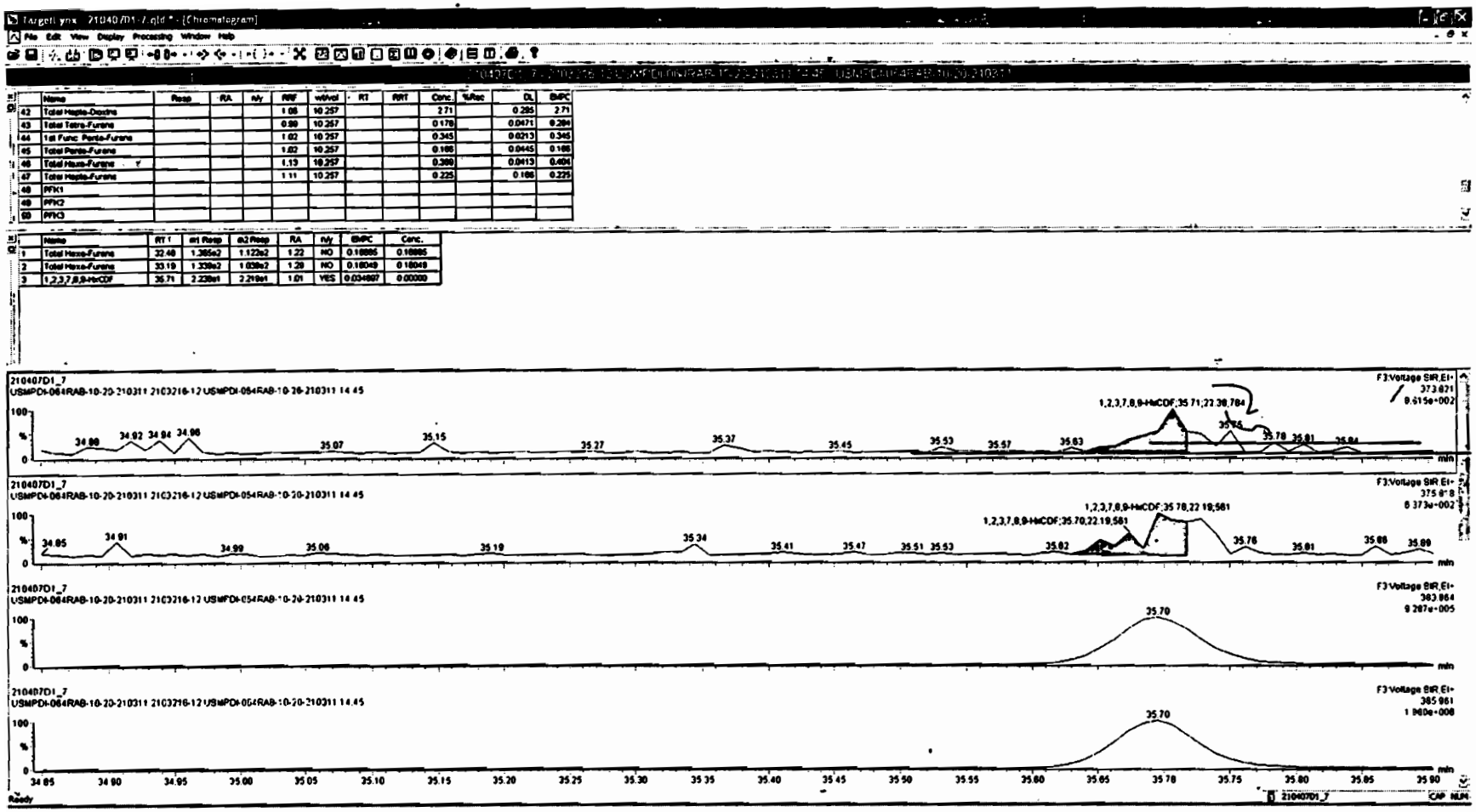
13C-1,2,3,4,7,8-HxCDF



DPE3




Target.pmx : 210407D1_7.qld * - [Chromatogram]
File Edit View Display Processing Window Help
Name | Resp | RA | n/y | RRF | wAvg | RT | RRT | Conc | %Rec | DL | EMPC
42 Total Hepta-Dioxins 1.06 10.257 2.71 0.295 2.71
43 Total Tetra-Furans 0.89 10.257 0.178 0.0471 0.284
44 1st Func. Penta-Furans 1.02 10.257 0.345 0.0213 0.345
45 Total Penta-Furans 1.02 10.257 0.186 0.0445 0.186
46 Total Hexa-Furans 1.13 10.257 0.369 0.0413 0.404
47 Total Hepta-Furans 1.11 10.257 0.225 0.188 0.225
48 PFK1
49 PFK2
50 PFK3
Name | RT | a1 Resp | a2 Resp | RA | n/y | EMPC | Conc.
1 Total Hexa-Furans 32.48 1.365e2 1.122e2 1.22 NO 0.18885 0.18885
2 Total Hexa-Furans 33.19 1.339e2 1.038e2 1.29 NO 0.18049 0.18049
3 1,2,3,7,8,9-HxCDF 35.71 2.238e1 2.219e1 1.01 YES 0.004887 0.00000
21040701_7
USMPDI-064RAB-10-20-210311 2103216-12 USMPDI-064RAB-10-20-210311 14 45
Total Hexa-Furans,32.48,136.49,2283
Total Hexa-Furans,33.19,133.86,2314
F3:Voltage SIR,EI+ 373.821 2.430e+003
Total Hexa-Furans,32.51,112.24,2005
Total Hexa-Furans,33.19,103.85,2275
F3:Voltage SIR,EI+ 375.818 2.386e+003
13C-1,2,3,4,7,8-HxCDF,33.69,76078.48,1220168
F3:Voltage SIR,EI+ 383.864 1.336e+006
13C-1,2,3,4,7,8-HxCDF,33.69,153002.02,2433424
F3:Voltage SIR,EI+ 395.861 2.547e+006
Ready
CAP NUM



	Name	Resp	RA	n/y	RRF	w/vol	RT	RRT	Conc.	%Rec	DL	EMPC
42	Total Hepta-Dioxins				1.05	10.257			2.71		0.285	2.71
43	Total Tetra-Furans				0.80	10.257			0.178		0.0471	0.284
44	1st Func. Penta-Furans				1.02	10.257			0.345		0.0213	0.345
45	Total Penta-Furans				1.02	10.257			0.166		0.0445	0.166
46	Total Hexa-Furans				1.19	10.257			0.380		0.0419	0.404
47	Total Hepta-Furans				1.11	10.257			0.225		0.166	0.225
48	PFK1											
49	PFK2											
50	PFK3											

	Name	RT 1	d1 Resp	d2 Resp	RA	n/y	EMPC	Conc.
1	Total Hexa-Furans	32.48	1.365e2	1.122e2	1.22	NO	0.10885	0.10885
2	Total Hexa-Furans	33.19	1.338e2	1.058e2	1.26	NO	0.10049	0.10049
3	1,2,3,7,8,9-HxCDF	35.71	2.238e1	2.219e1	1.01	YES	0.034897	0.00000

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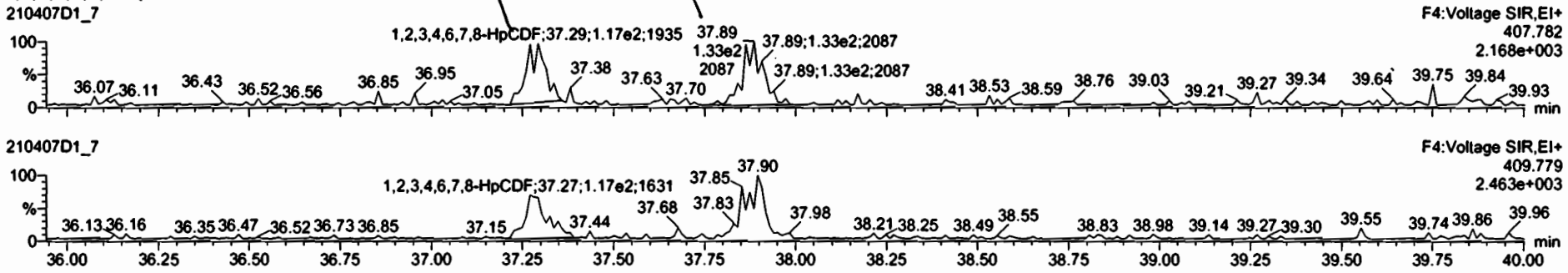
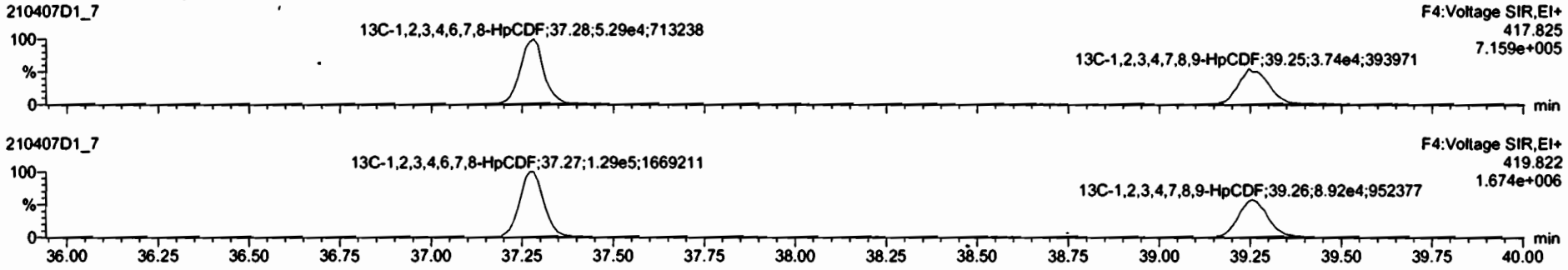
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_7, Date: 07-Apr-2021, Time: 13:25:31, ID: 2103216-12 USMPDI-064RAB-10-20-210311 14.45, Description: USMPDI-064RAB-10-20-210311

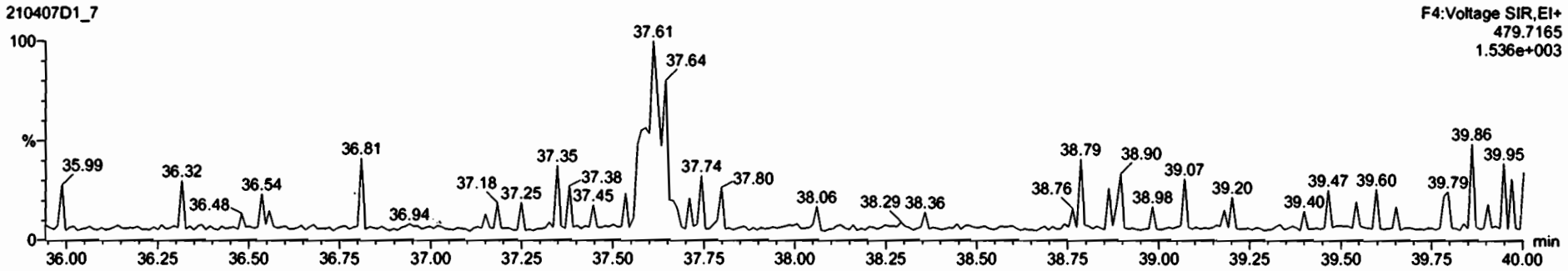
1,2,3,4,6,7,8-HpCDF

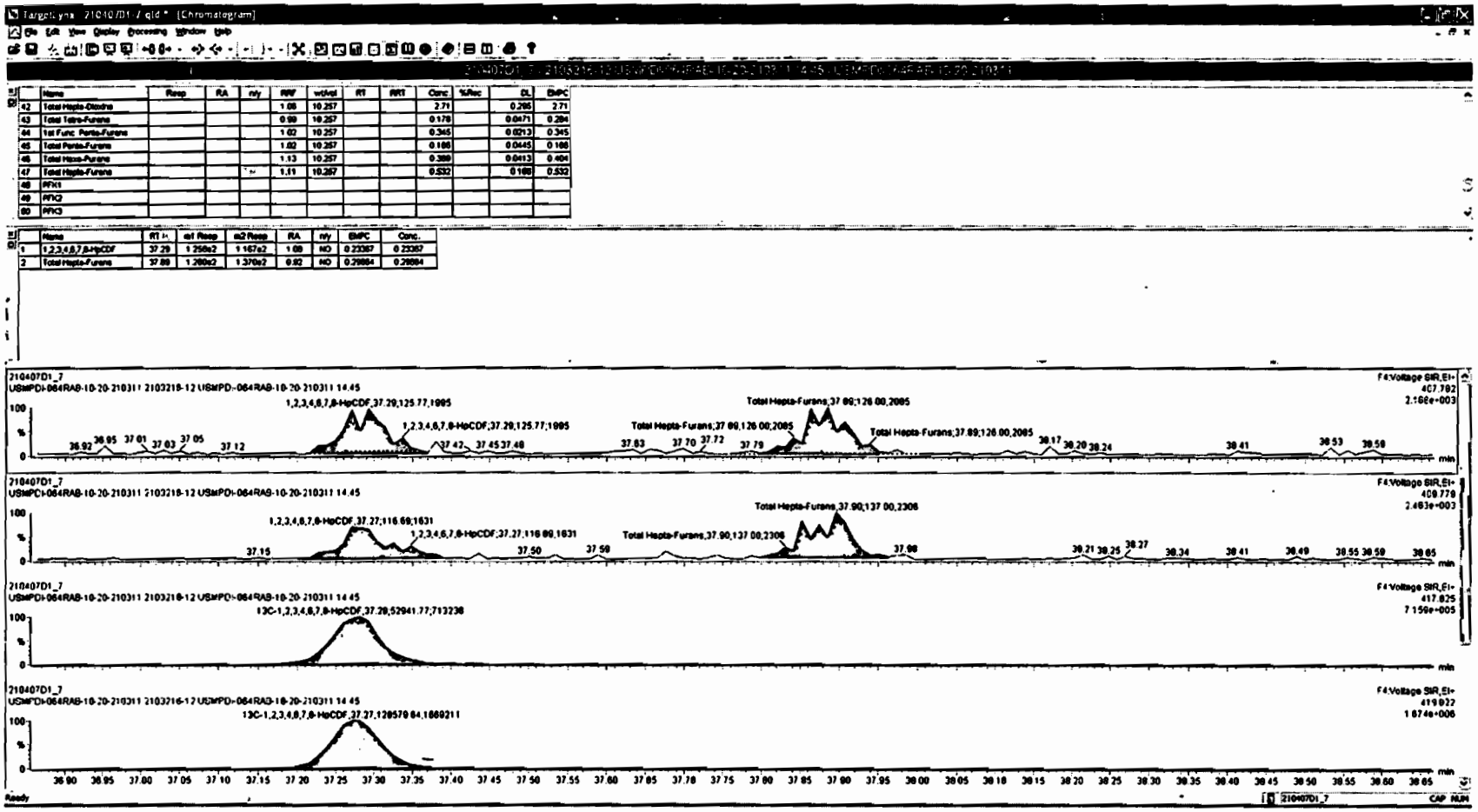


13C-1,2,3,4,6,7,8-HpCDF



DPE4




Target Lynx 210407D1 / qld * [Chromatogram]
210407D1_7
USMPD1-064RAB-10-20-210311 2103216-12 USMPD1-064RAB-10-20-210311 14.45
F4:Voltage SIR,EI+
1,2,3,4,6,7,8-HpCDF,37.29,125.77,1095
Total Hepta-Furans,37.89,126.00,2085
13C-1,2,3,4,6,7,8-HpCDF,37.29,52941.77,713238
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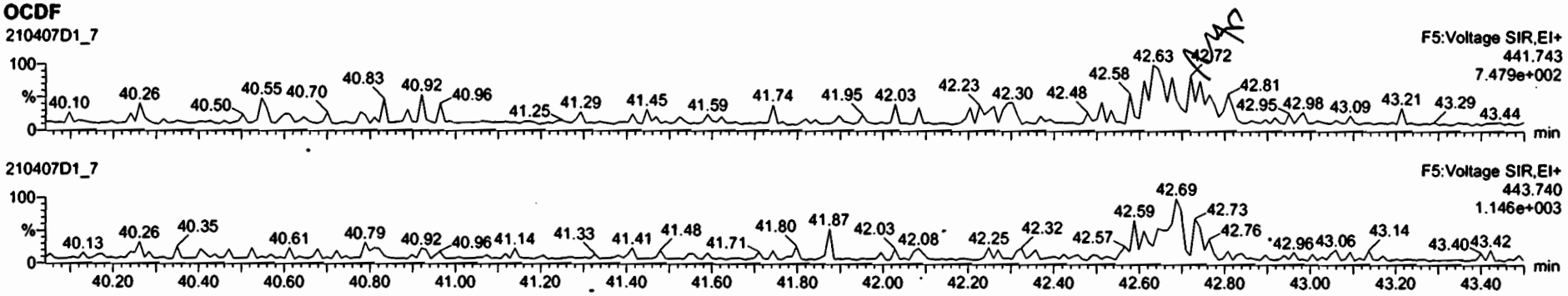
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_7, Date: 07-Apr-2021, Time: 13:25:31, ID: 2103216-12 USMPDI-064RAB-10-20-210311 14.45, Description: USMPDI-064RAB-10-20-210311

OCDF



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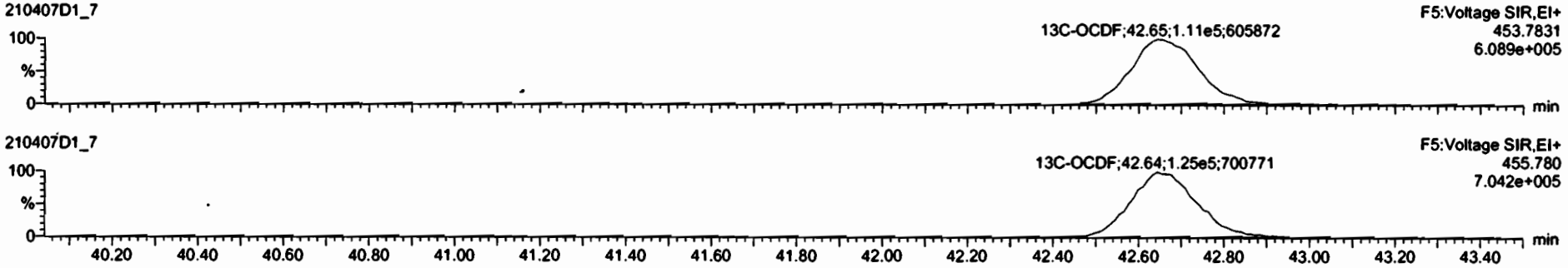

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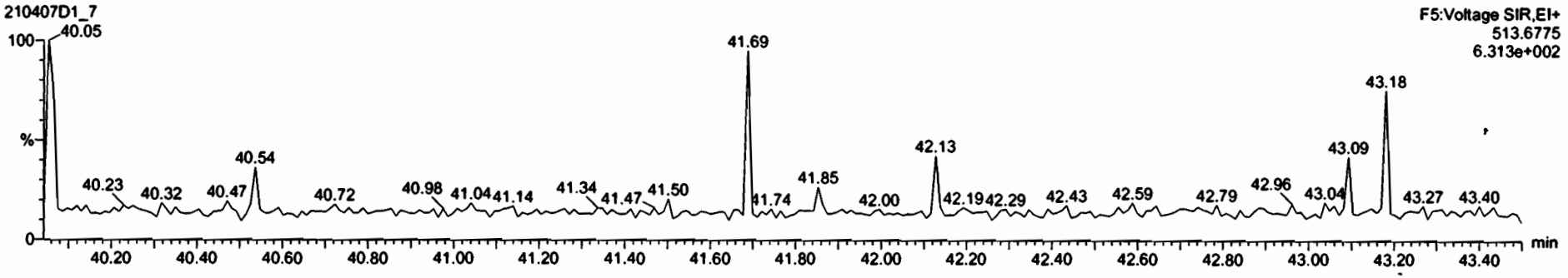

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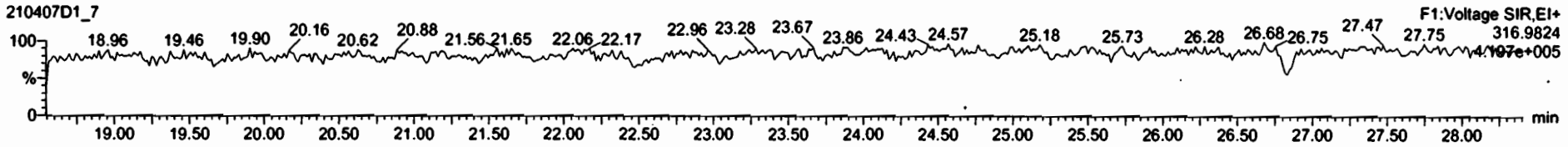
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_7, Date: 07-Apr-2021, Time: 13:25:31, ID: 2103216-12 USMPDI-064RAB-10-20-210311 14.45, Description: USMPDI-064RAB-10-20-210311

PFK1



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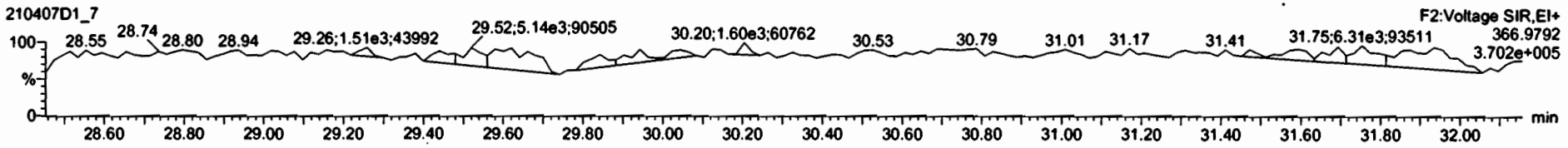

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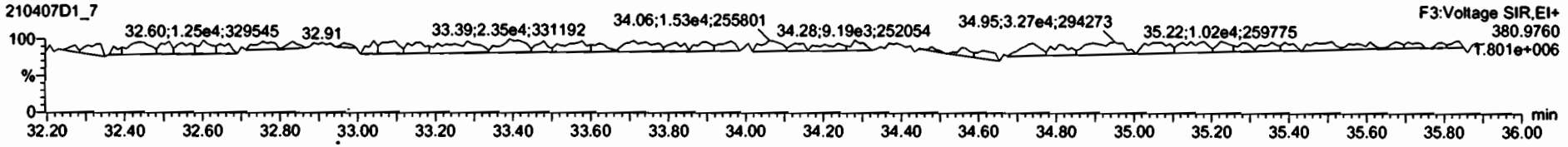

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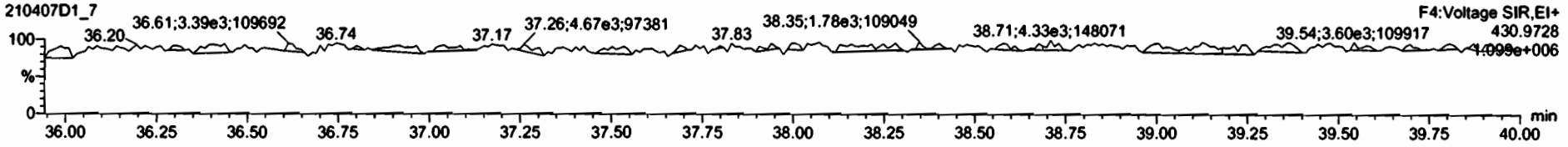

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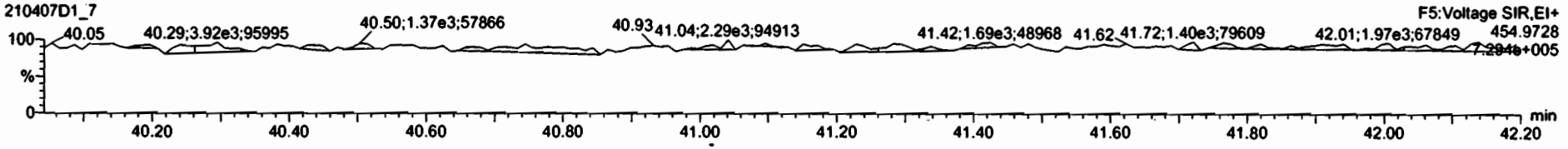

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-8.qld

Last Altered: Saturday, April 17, 2021 11:21:33 Pacific Daylight Time
Printed: Saturday, April 17, 2021 11:21:51 Pacific Daylight Time

4.17.2021 CT 04/21/2021

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_4-6-21.mdb 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210407D1_8, Date: 07-Apr-2021, Time: 14:12:11, ID: 2103216-13 USMPDI-064RAB-20-23.4-210311 14.09, Description: USMPDI-064RAB-20-23.4-210311, Task: ST210407D1-1

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD			NO	0.998	10.172					0.0458	
2	1,2,3,7,8-PeCDD			NO	0.961	10.172					0.100	
3	1,2,3,4,7,8-HxCDD			NO	1.18	10.172					0.151	
4	1,2,3,6,7,8-HxCDD			NO	1.04	10.172					0.157	
5	1,2,3,7,8,9-HxCDD			NO	1.06	10.172					0.160	
6	1,2,3,4,6,7,8-HpCDD	1.11e3	1.16	NO	1.06	10.172	38.57	1.000	1.5663		0.236	1.57
7	OCDD	4.43e3	0.90	NO	0.977	10.172	42.36	1.001	10.714		1.32	10.7
8	2,3,7,8-TCDF			NO	0.989	10.172					0.0521	
9	1,2,3,7,8-PeCDF			NO	1.02	10.172					0.0476	
10	2,3,4,7,8-PeCDF	1.69e2	1.36	NO	1.17	10.172	31.07	1.001	0.10224		0.0441	0.102
11	1,2,3,4,7,8-HxCDF			NO	1.14	10.172					0.0515	
12	1,2,3,6,7,8-HxCDF			NO	1.04	10.172					0.0539	
13	2,3,4,6,7,8-HxCDF			NO	1.13	10.172					0.0665	
14	1,2,3,7,8,9-HxCDF			NO	1.07	10.172					0.0786	
15	1,2,3,4,6,7,8-HpCDF	3.93e2	1.00	NO	1.11	10.172	37.29	1.000	0.36758		0.0691	0.368
16	1,2,3,4,7,8,9-HpCDF			NO	1.32	10.172					0.111	
17	OCDF			NO	0.931	10.172					0.358	
18	13C-2,3,7,8-TCDD	2.60e5	0.76	NO	1.20	10.172	27.09	1.024	234.69	119	0.326	
19	13C-1,2,3,7,8-PeCDD	1.88e5	0.62	NO	0.864	10.172	31.21	1.179	235.66	120	0.228	
20	13C-1,2,3,4,7,8-HxCDD	1.44e5	1.37	NO	0.600	10.172	34.66	1.014	226.69	115	0.565	
21	13C-1,2,3,6,7,8-HxCDD	1.67e5	1.26	NO	0.674	10.172	34.81	1.018	232.85	118	0.503	
22	13C-1,2,3,7,8,9-HxCDD	1.67e5	1.25	NO	0.679	10.172	35.10	1.027	231.87	118	0.499	
23	13C-1,2,3,4,6,7,8-HpCDD	1.32e5	1.08	NO	0.558	10.172	38.57	1.128	222.32	113	1.14	
24	13C-OCDD	1.66e5	0.91	NO	0.496	10.172	42.34	1.239	315.90	80.3	0.515	
25	13C-2,3,7,8-TCDF	3.69e5	0.81	NO	1.03	10.172	26.54	1.003	244.67	124	0.300	
26	13C-1,2,3,7,8-PeCDF	2.90e5	1.64	NO	0.805	10.172	30.08	1.137	245.08	125	0.619	
27	13C-2,3,4,7,8-PeCDF	2.78e5	1.61	NO	0.748	10.172	31.03	1.173	252.35	128	0.666	
28	13C-1,2,3,4,7,8-HxCDF	2.32e5	0.53	NO	0.968	10.172	33.69	0.986	225.49	115	0.799	
29	13C-1,2,3,6,7,8-HxCDF	2.60e5	0.51	NO	1.08	10.172	33.84	0.990	225.38	115	0.713	
30	13C-2,3,4,6,7,8-HxCDF	2.08e5	0.51	NO	0.960	10.172	34.55	1.011	203.67	104	0.805	

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-8.qld

Last Altered: Saturday, April 17, 2021 11:21:33 Pacific Daylight Time
Printed: Saturday, April 17, 2021 11:21:51 Pacific Daylight Time

Name: 210407D1_8, Date: 07-Apr-2021, Time: 14:12:11, ID: 2103216-13 USMPDI-064RAB-20-23.4-210311 14.09, Description: USMPDI-064RAB-20-23.4-210311, Task: ST210407D1-1

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	2.12e5	0.52	NO	0.869	10.172	35.67	1.044	230.09	117	0.890	
32	13C-1,2,3,4,6,7,8-HpCDF	1.88e5	0.44	NO	0.794	10.172	37.29	1.091	223.48	114	1.05	
33	13C-1,2,3,4,7,8,9-HpCDF	1.34e5	0.42	NO	0.586	10.172	39.28	1.149	214.92	109	1.42	
34	13C-OCDF	2.43e5	0.88	NO	0.711	10.172	42.67	1.248	321.68	81.8	0.403	
35	37Cl-2,3,7,8-TCDD	9.62e4			1.11	10.172	27.10	1.024	94.329	120	0.0732	
36	13C-1,2,3,4-TCDD	1.81e5	0.74	NO	1.00	10.172	26.46	1.000	196.61	100	0.392	
37	13C-1,2,3,4-TCDF	2.89e5	0.81	NO	1.00	10.172	25.21	1.000	196.61	100	0.308	
38	13C-1,2,3,4,6,9-HxCDF	2.09e5	0.50	NO	1.00	10.172	34.18	1.000	196.61	100	0.773	
39	Total Tetra-Dioxins				0.998	10.172					0.0265	
40	Total Penta-Dioxins				0.961	10.172					0.0487	
41	Total Hexa-Dioxins				1.04	10.172			0.58721		0.164	1.34
42	Total Hepta-Dioxins				1.06	10.172			3.3237		0.236	3.32
43	Total Tetra-Furans				0.989	10.172			0.19871		0.0521	0.317
44	1st Func. Penta-Furans				1.02	10.172			0.39339		0.0272	0.393
45	Total Penta-Furans				1.02	10.172			0.29969		0.0491	0.421
46	Total Hexa-Furans				1.13	10.172			0.46617		0.0600	0.526
47	Total Hepta-Furans				1.11	10.172			0.71696		0.0949	0.717

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-8.qld

Last Altered: Saturday, April 17, 2021 11:21:33 Pacific Daylight Time
Printed: Saturday, April 17, 2021 11:21:51 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_4-6-21.mdb 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210407D1_8, Date: 07-Apr-2021, Time: 14:12:11, ID: 2103216-13 USMPDI-064RAB-20-23.4-210311 14.09, Description: USMPDI-064RAB-20-23.4-210311, Task: ST210407D1-1

Tetra-Dioxins

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

Penta-Dioxins

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

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hexa-Dioxins	32.89	4.943e3	4.189e3	2.686e2	2.267e2	1.18	NO	4.954e2	0.58721	0.58721	0.164
2	Total Hexa-Dioxins	33.56	1.275e3	1.552e3	7.148e1	7.520e1	0.95	YES	0.000e0	0.00000	0.15308	0.164
3	Total Hexa-Dioxins	33.85	7.260e3	2.971e3	4.860e2	2.256e2	2.15	YES	0.000e0	0.00000	0.59903	0.164

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hepta-Dioxins	37.59	9.345e3	6.308e3	6.756e2	5.731e2	1.18	NO	1.249e3	1.7574	1.7574	0.236
2	1,2,3,4,6,7,8-HpCDD	38.57	6.095e3	4.847e3	5.978e2	5.151e2	1.16	NO	1.113e3	1.5663	1.5663	0.236

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Tetra-Furans	23.34	1.717e3	2.180e3	1.097e2	1.423e2	0.77	NO	2.521e2	0.13574	0.13574	0.0521
2	Total Tetra-Furans	24.41	9.430e2	1.451e3	4.920e1	6.774e1	0.73	NO	1.169e2	0.062974	0.062974	0.0521
3	Total Tetra-Furans	25.32	1.402e3	1.616e3	9.644e1	1.234e2	0.78	NO	0.000e0	0.00000	0.11839	0.0521

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-8.qld

Last Altered: Saturday, April 17, 2021 11:21:33 Pacific Daylight Time
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Name: 210407D1_8, Date: 07-Apr-2021, Time: 14:12:11, ID: 2103216-13 USMPDI-064RAB-20-23.4-210311 14.09, Description: USMPDI-064RAB-20-23.4-210311, Task: ST210407D1-1

Penta-Furans function 1

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	1st Func. Penta-Furans	27.78	7.582e3	4.459e3	3.332e2	2.474e2	1.35	NO	5.806e2	0.39339	0.39339	0.0272

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Penta-Furans	29.24	2.511e3	1.637e3	1.737e2	1.177e2	1.48	NO	2.914e2	0.19745	0.19745	0.0491
2	Total Penta-Furans	29.78	2.321e3	1.055e3	1.088e2	8.721e1	1.25	YES	0.000e0	0.00000	0.12124	0.0491
3	2,3,4,7,8-PeCDF	31.07	2.274e3	1.437e3	9.775e1	7.171e1	1.36	NO	1.695e2	0.10224	0.10224	0.0441

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hexa-Furans	32.34	8.470e2	7.230e2	4.331e1	4.327e1	1.00	YES	0.000e0	0.00000	0.059817	0.0600
2	Total Hexa-Furans	32.50	3.801e3	3.372e3	1.842e2	1.443e2	1.28	NO	3.285e2	0.25117	0.25117	0.0600
3	Total Hexa-Furans	33.17	2.416e3	2.444e3	1.561e2	1.251e2	1.25	NO	2.812e2	0.21500	0.21500	0.0600

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	37.29	2.744e3	2.800e3	1.961e2	1.966e2	1.00	NO	3.927e2	0.36758	0.36758	0.0691
2	Total Hepta-Furans	37.89	2.405e3	2.118e3	1.588e2	1.603e2	0.99	NO	3.191e2	0.34938	0.34938	0.0949

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Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
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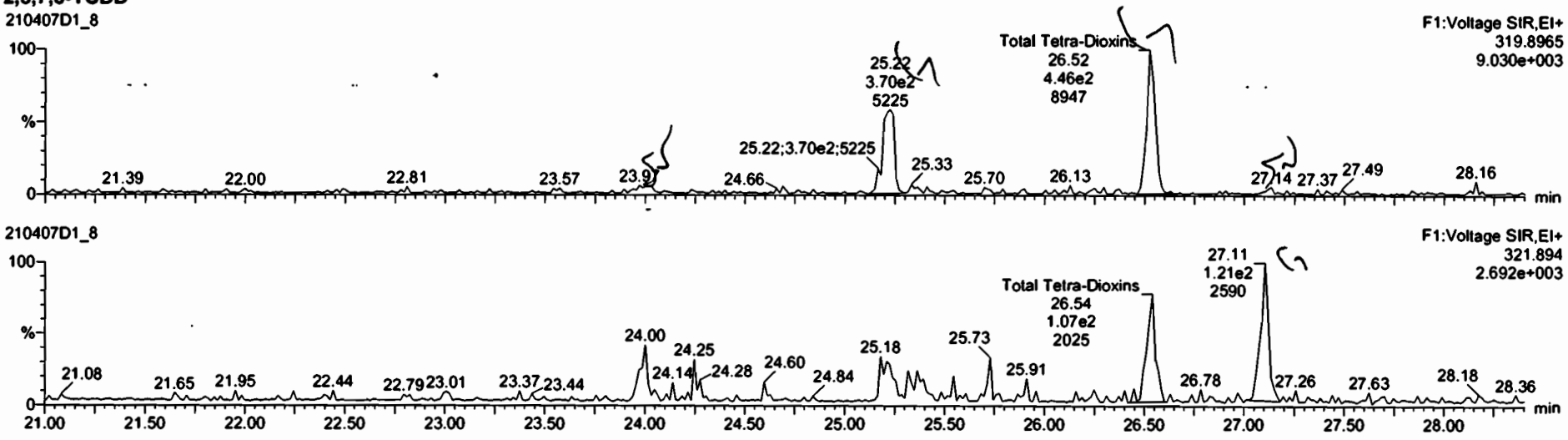
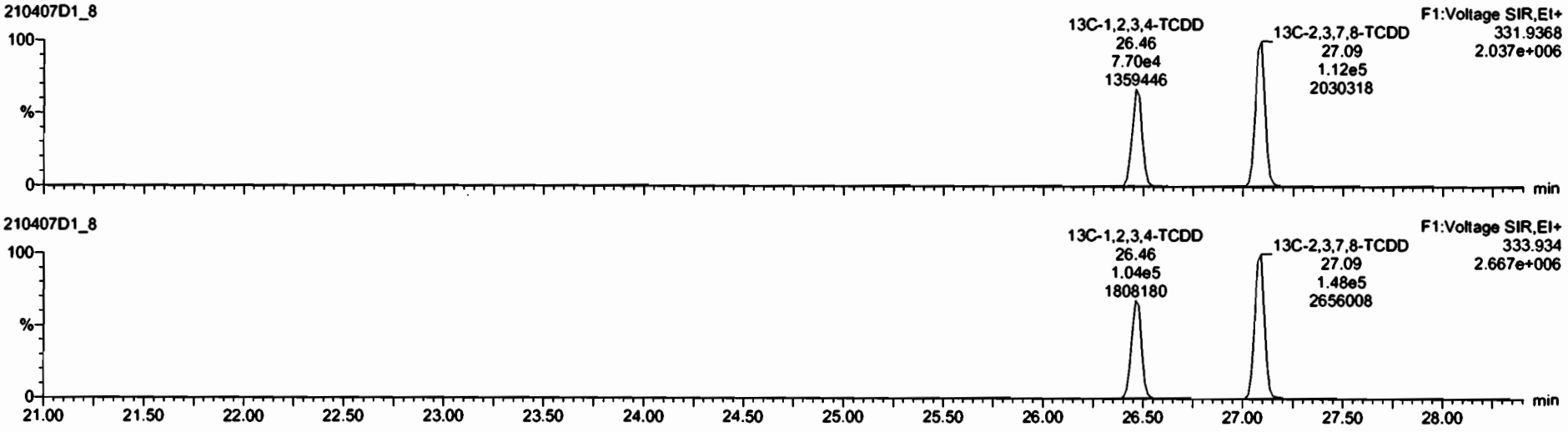
Name: 210407D1_8, Date: 07-Apr-2021, Time: 14:12:11, ID: 2103216-13 USMPDI-064RAB-20-23.4-210311 14.09, Description: USMPDI-064RAB-20-23.4-210311

2,3,7,8-TCDD



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



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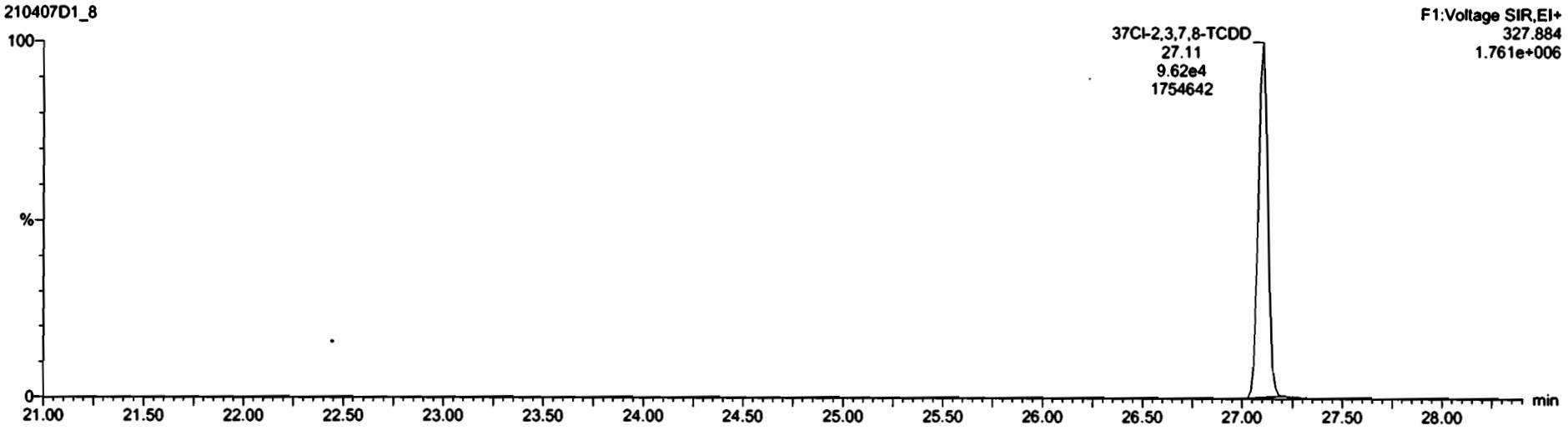
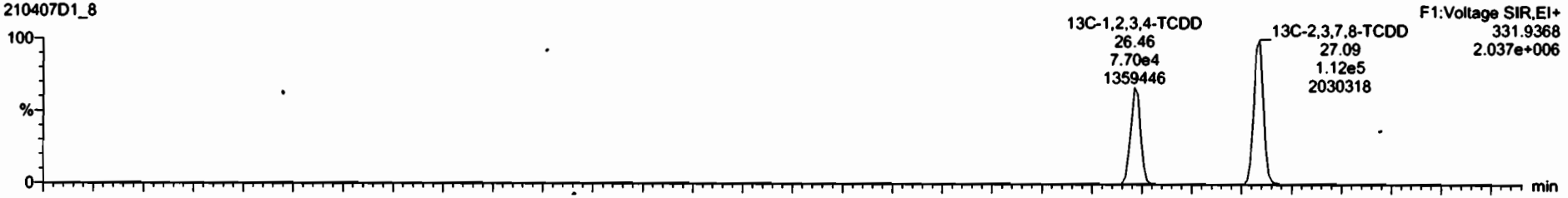
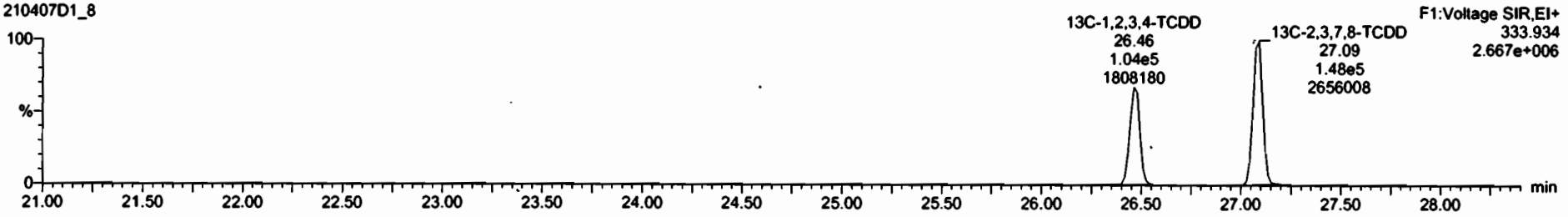
Name: 210407D1_8, Date: 07-Apr-2021, Time: 14:12:11, ID: 2103216-13 USMPDI-064RAB-20-23.4-210311 14.09, Description: USMPDI-064RAB-20-23.4-210311

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



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



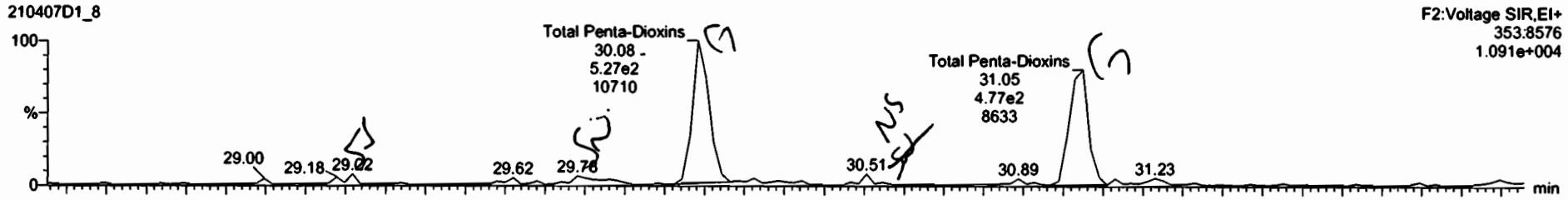


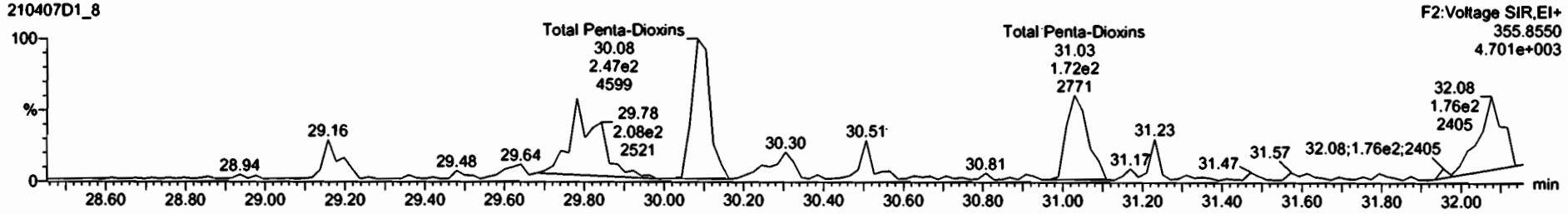
Dataset: Untitled

Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

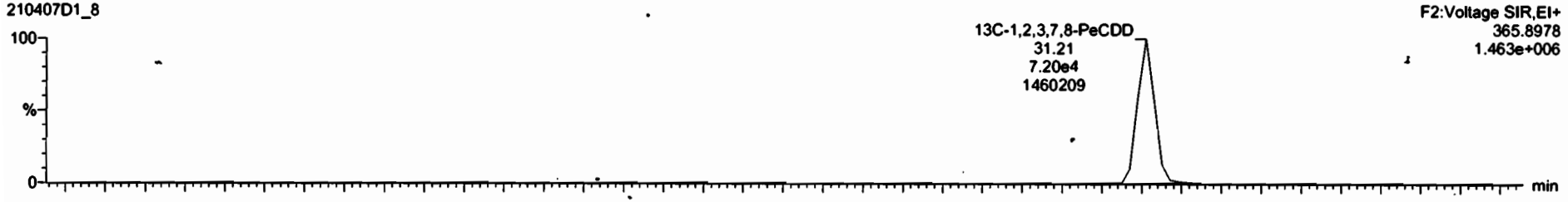
Name: 210407D1_8, Date: 07-Apr-2021, Time: 14:12:11, ID: 2103216-13 USMPDI-064RAB-20-23.4-210311 14.09, Description: USMPDI-064RAB-20-23.4-210311

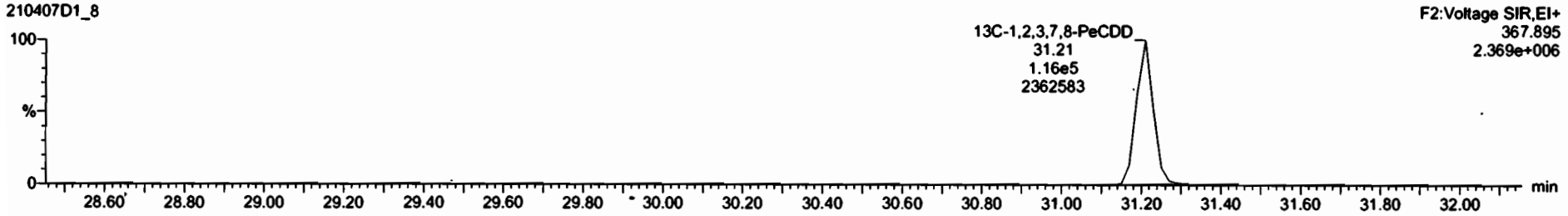
1,2,3,7,8-PeCDD





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



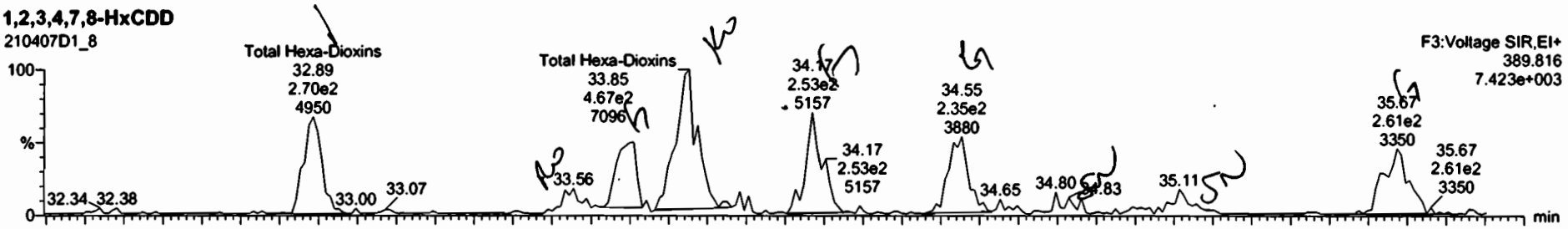


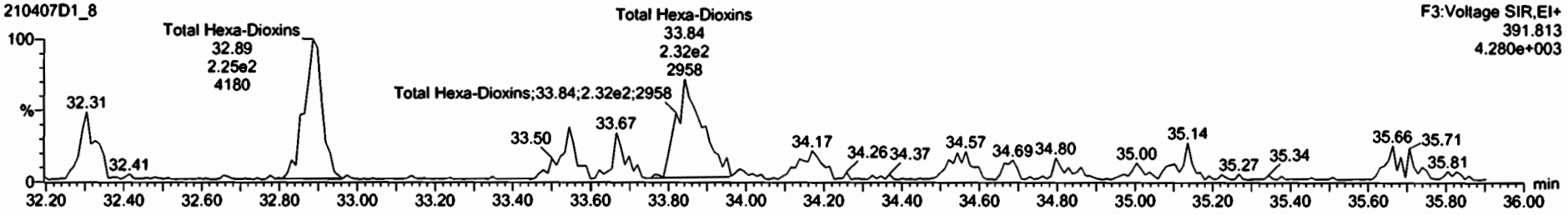
Dataset: Untitled

Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

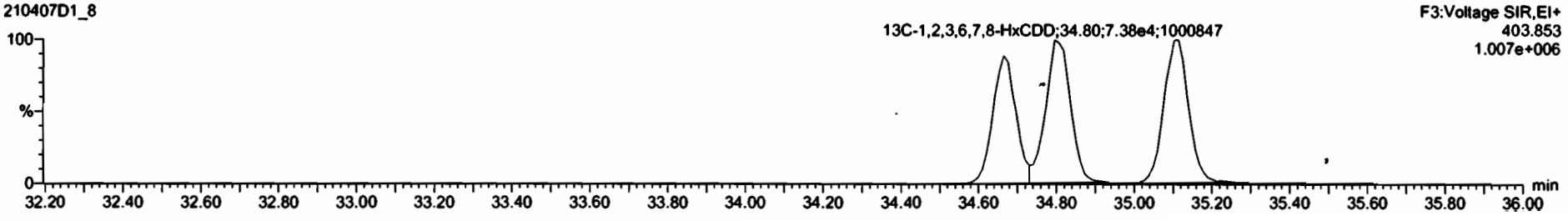
Name: 210407D1_8, Date: 07-Apr-2021, Time: 14:12:11, ID: 2103216-13 USMPDI-064RAB-20-23.4-210311 14.09, Description: USMPDI-064RAB-20-23.4-210311

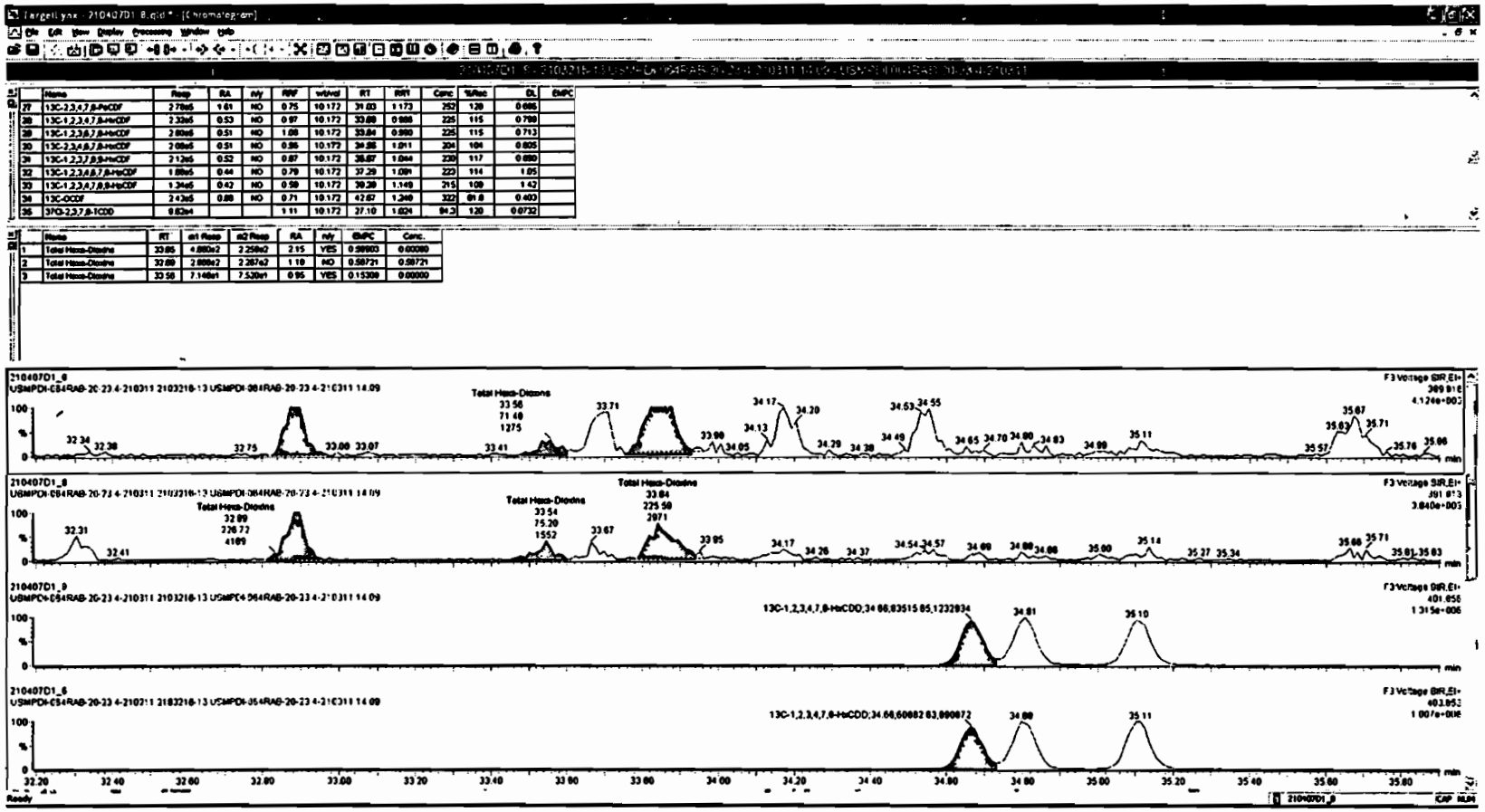
1,2,3,4,7,8-HxCDD





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



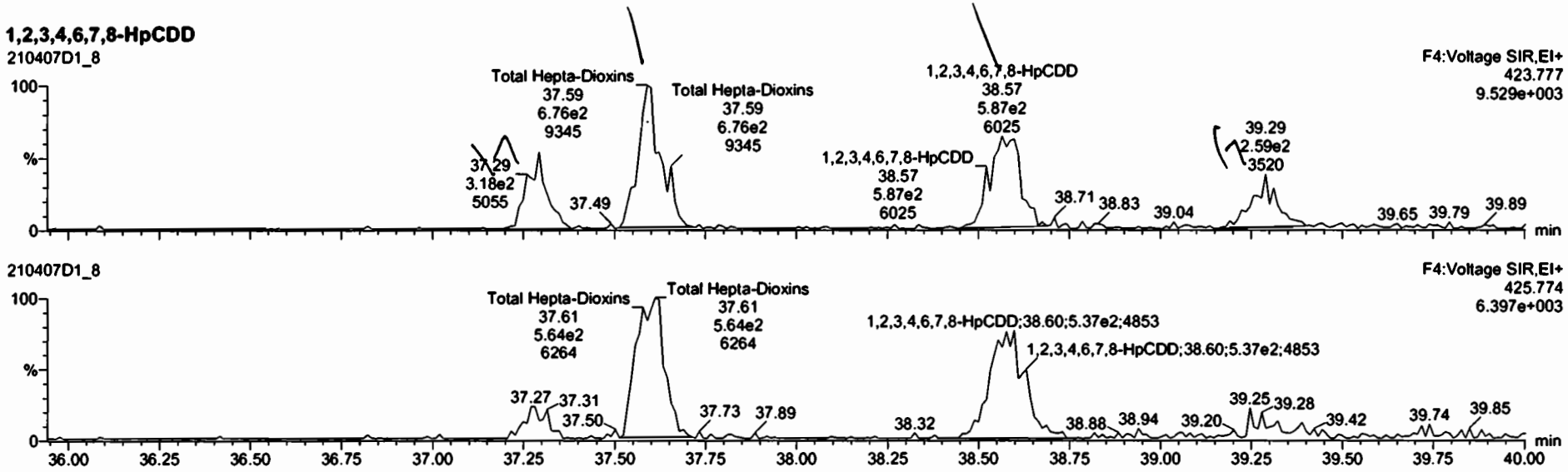

Total Hexa-Dioxins
33.56
71.40
1275
Total Hexa-Dioxins
32.09
226.72
4169
Total Hexa-Dioxins
33.54
75.20
1552
Total Hexa-Dioxins
33.84
225.50
3971
13C-1,2,3,4,7,8-HxCDD;34.66,83515.85,1232934
13C-1,2,3,4,7,8-HxCDD;34.66,60682.63,890872

Dataset: Untitled

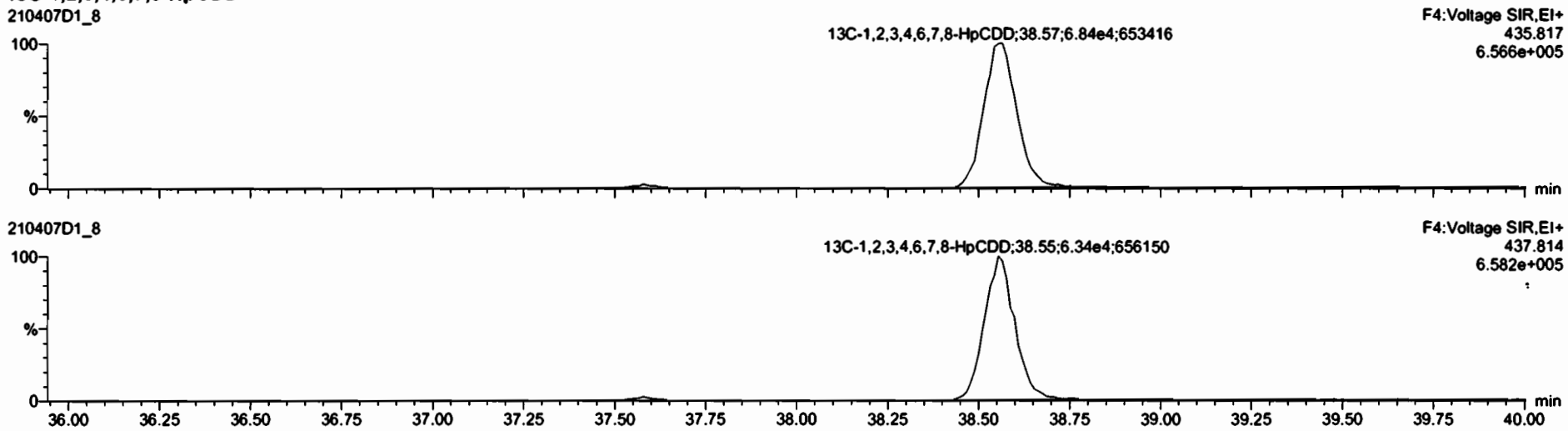
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_8, Date: 07-Apr-2021, Time: 14:12:11, ID: 2103216-13 USMPDI-064RAB-20-23.4-210311 14.09, Description: USMPDI-064RAB-20-23.4-210311

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



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

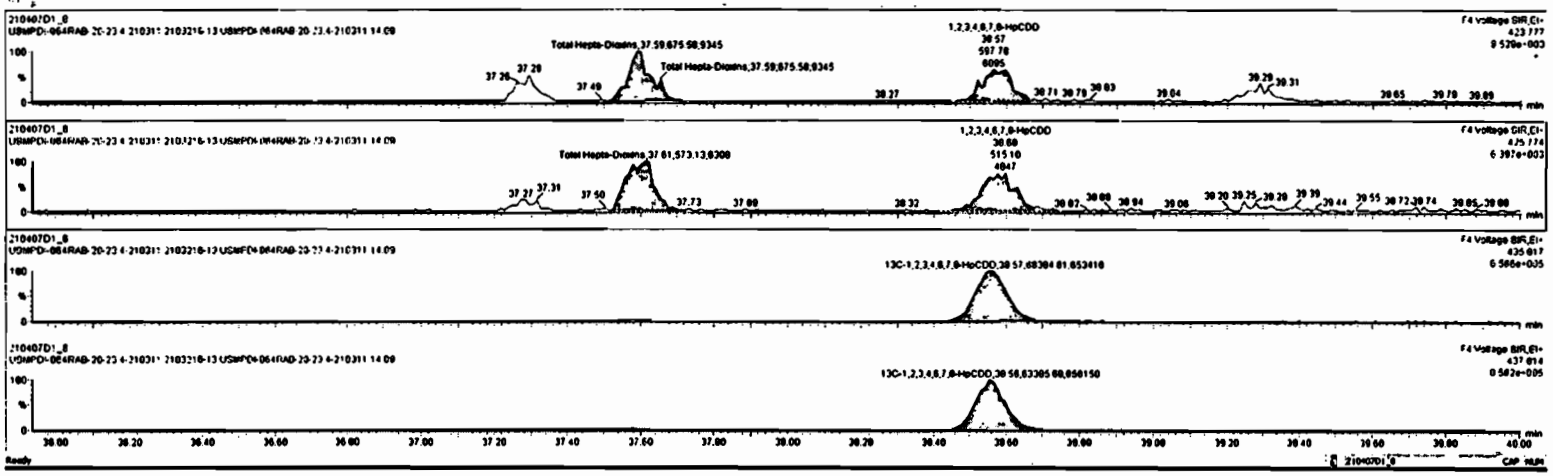


Target1.ymx - 210407D1-8.qld * [Chromatogram]

File Edit View Display Processing Window Help

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
42	Total Hepta-Dioxins				1.08	10172			1.57		0.239	3.32
43	Total Tetra-Furans				0.99	10172			0.134		0.0521	0.134
44	1st Func. Penta-Furans				1.02	10172			0.383		0.0272	0.383
45	Total Penta-Furans				1.02	10172			0.197		0.0491	0.197
46	Total Hexa-Furans				1.13	10172			0.488		0.0000	0.488
47	Total Hepta-Furans				1.11	10172			0.716		0.0049	0.716
48	PFK1											
49	PFK2											
50	PFK3											

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Hepta-Dioxins	37.59	6.756e2	5.731e2	1.18	NO	1.7574	0.00000
2	1,2,3,4,6,7,8-HpCDD	38.57	5.978e2	5.151e2	1.16	NO	1.5883	1.5883

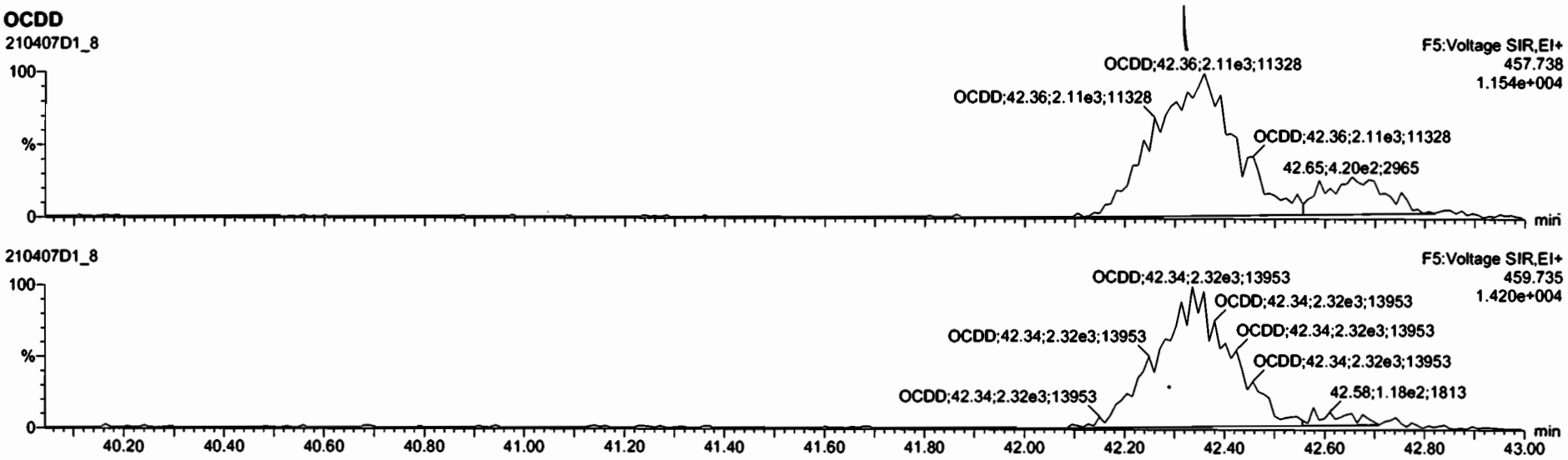


Dataset: Untitled

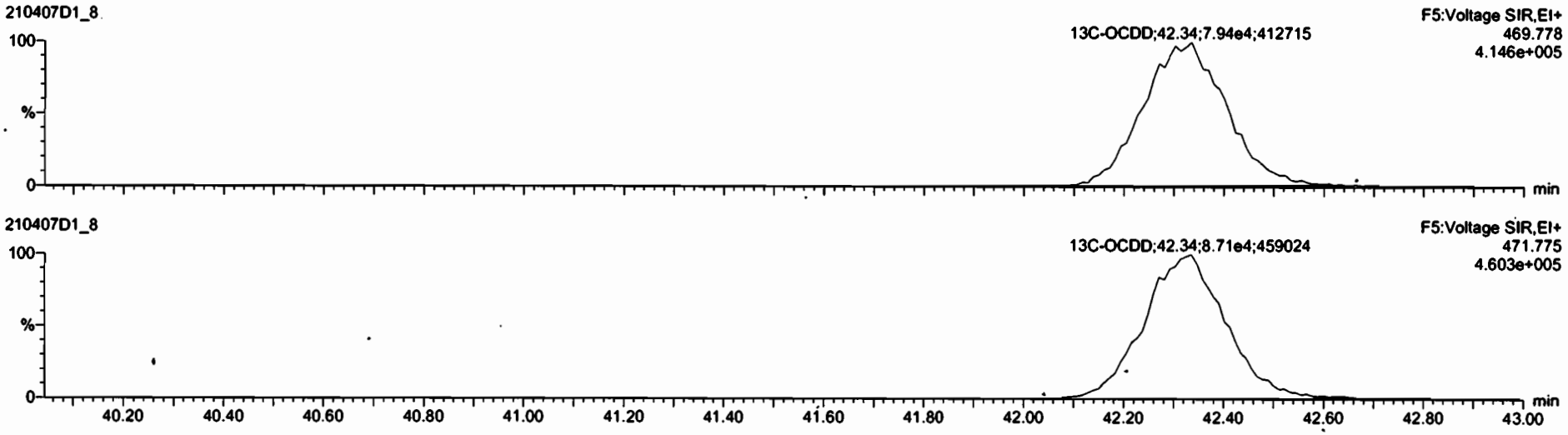
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

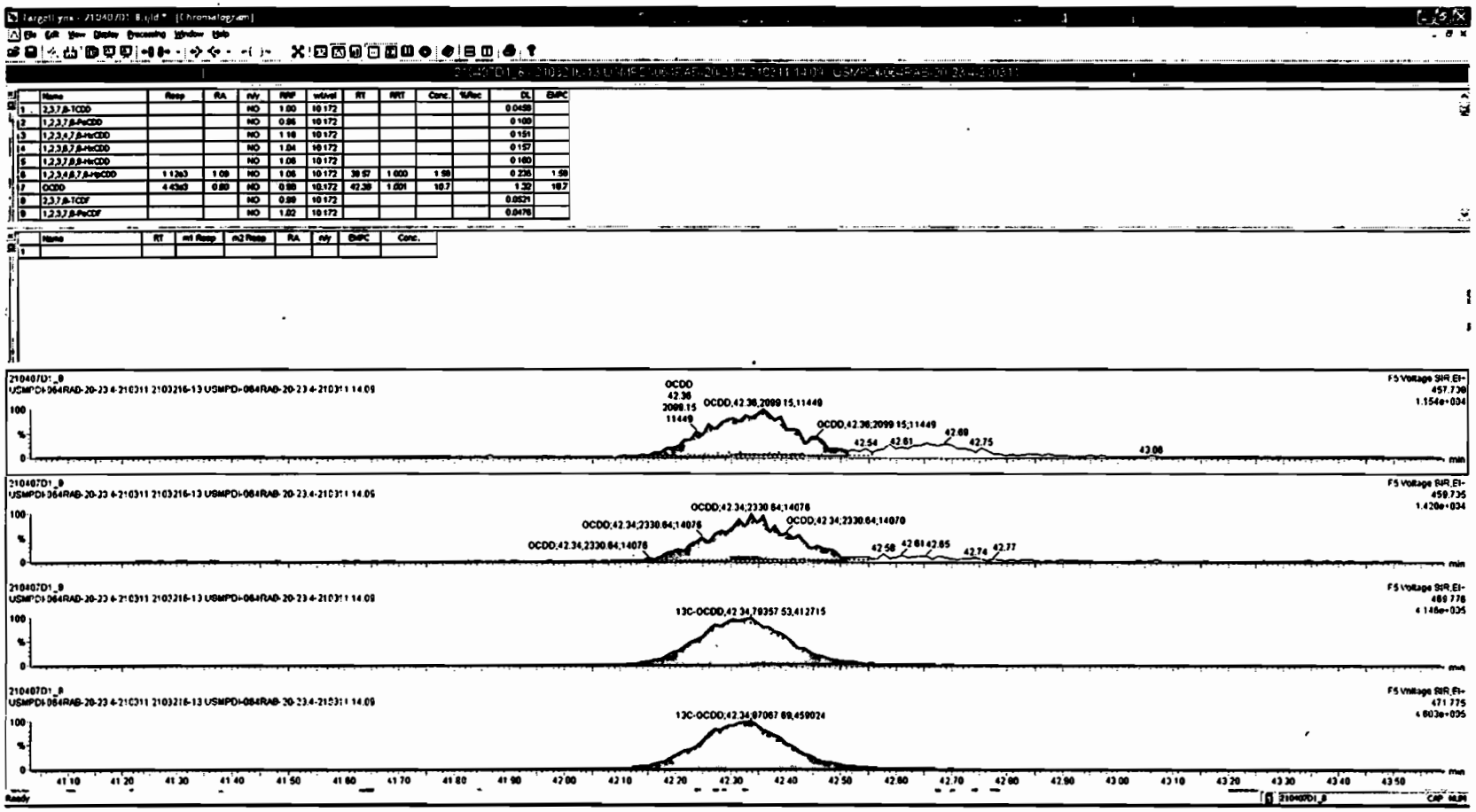
Name: 210407D1_8, Date: 07-Apr-2021, Time: 14:12:11, ID: 2103216-13 USMPDI-064RAB-20-23.4-210311 14.09, Description: USMPDI-064RAB-20-23.4-210311

OCDD



13C-OCDD




OCDD
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11449
OCDD,42.36,2099.15,11449
42.54
42.61
42.69
42.75
42.96
OCDD;42.34;2330.84;14076
42.58
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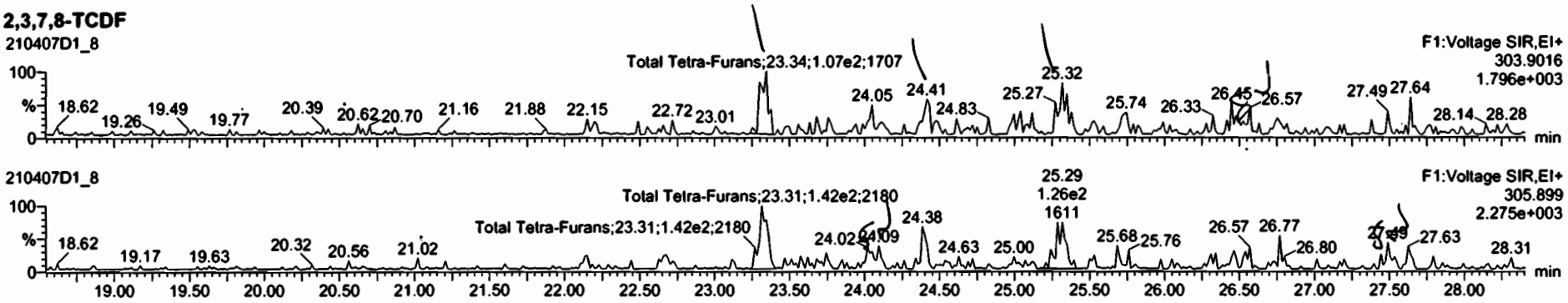
42.65
42.74
42.77
13C-OCDD;42.34;78357.53;412715
13C-OCDD;42.34;87067.89;459024

Dataset: Untitled

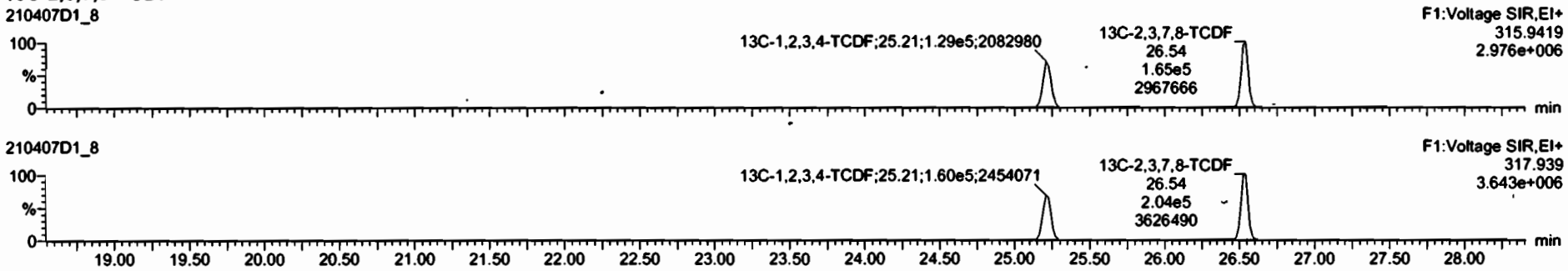
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_8, Date: 07-Apr-2021, Time: 14:12:11, ID: 2103216-13 USMPDI-064RAB-20-23.4-210311 14.09, Description: USMPDI-064RAB-20-23.4-210311

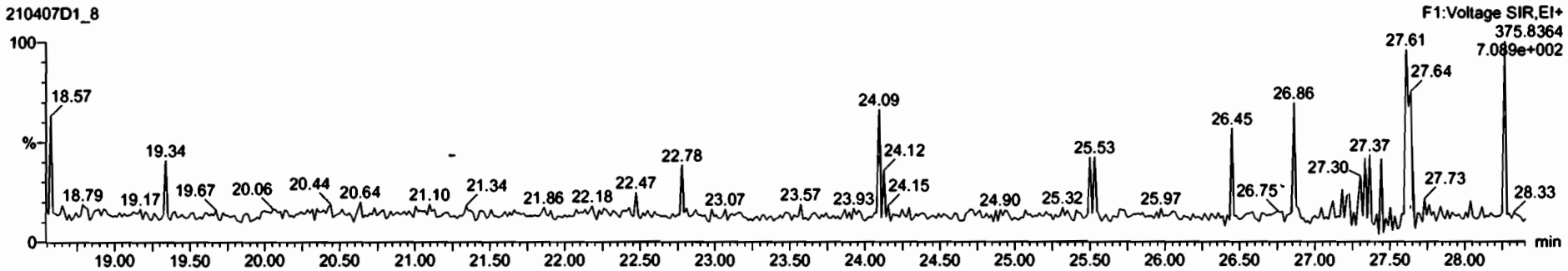
2,3,7,8-TCDF



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



DPE1

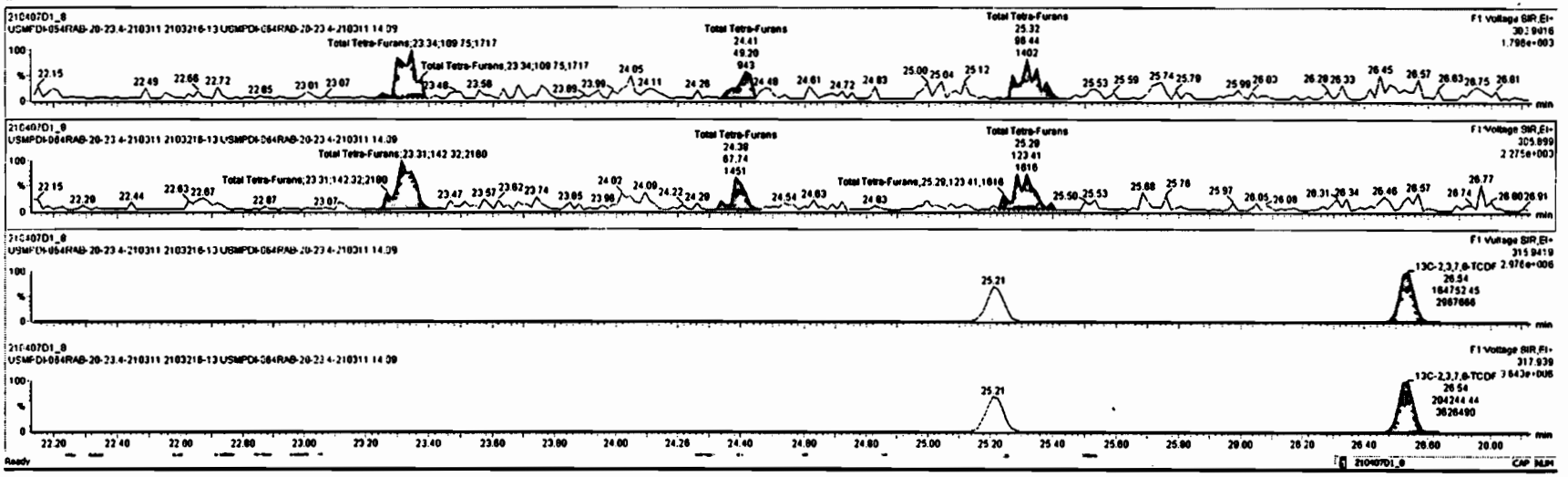


Target1.ynx - 21040701-8.qld * - [Chromatogram]

File Edit View Display Processing Window Help

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
42	Total Hepta-Dioxins				1.66	10.172			3.32		0.236	3.32
43	Total Tetra-Furans				0.99	10.172			0.199		0.0521	0.317
44	1st Func. Penta-Furans				1.02	10.172			0.383		0.0272	0.383
45	Total Penta-Furans				1.02	10.172			0.197		0.0491	0.197
46	Total Hexa-Furans				1.13	10.172			0.488		0.0800	0.488
47	Total Hepta-Furans				1.11	10.172			0.716		0.0949	0.716
48	PFK1											
49	PFK2											
50	PFK3											

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc
1	Total Tetra-Furans	23.34	1.097e2	1.423e2	0.77	NO	0.13574	0.13574
2	Total Tetra-Furans	24.41	4.920e1	6.774e1	0.73	NO	0.082974	0.082974
3	Total Tetra-Furans	25.32	9.844e1	1.234e2	0.78	NO	0.11839	0.00000



Dataset: Untitled

Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
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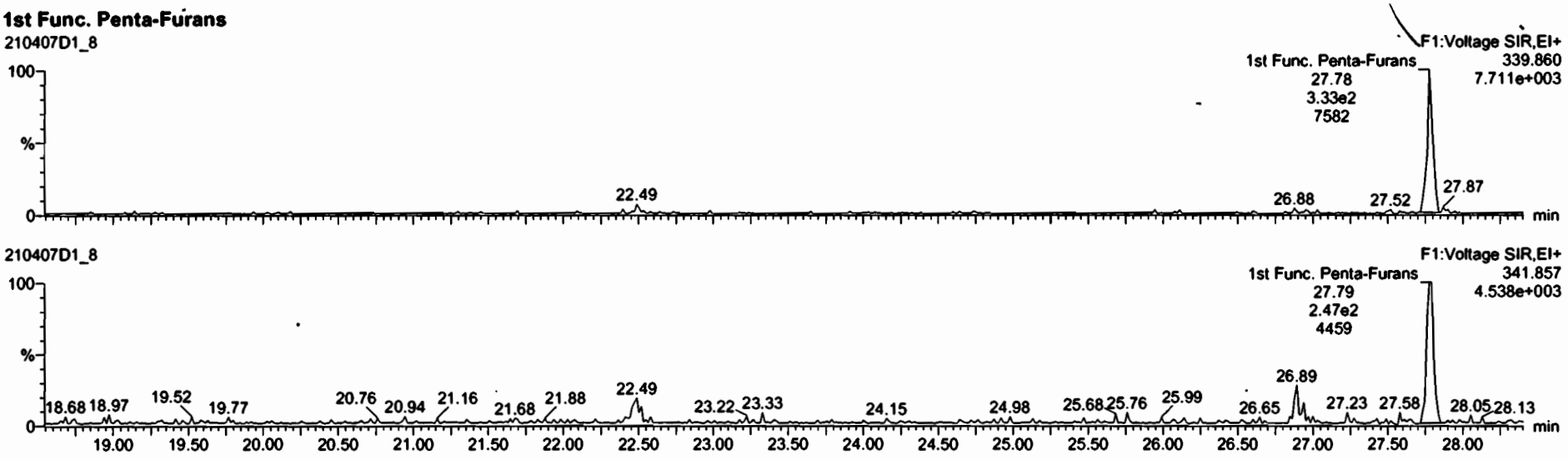
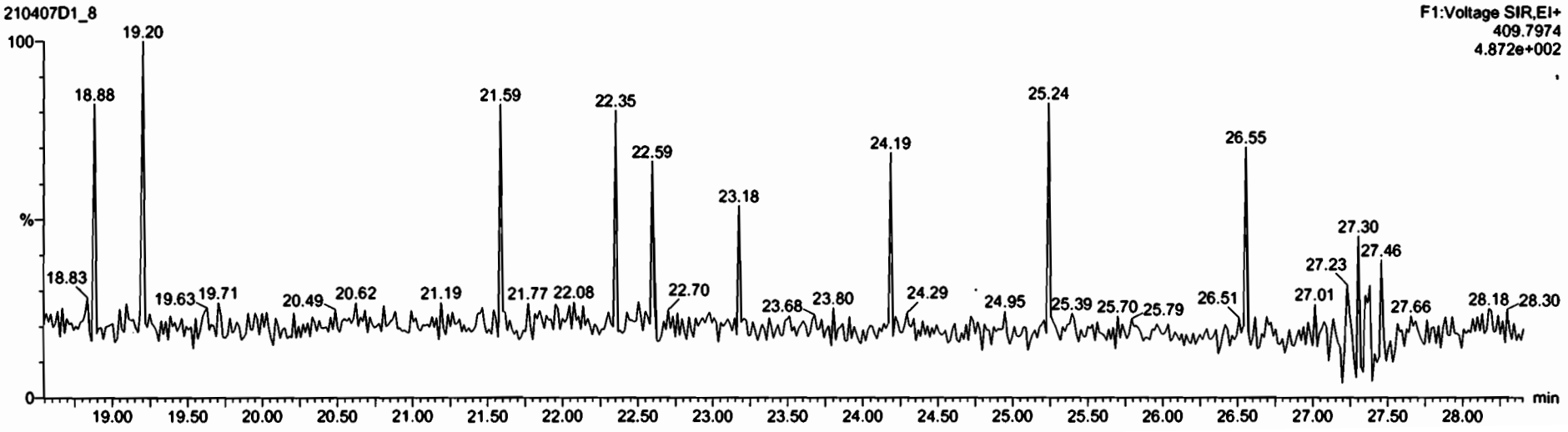
Name: 210407D1_8, Date: 07-Apr-2021, Time: 14:12:11, ID: 2103216-13 USMPDI-064RAB-20-23.4-210311 14.09, Description: USMPDI-064RAB-20-23.4-210311

1st Func. Penta-Furans



DPE6



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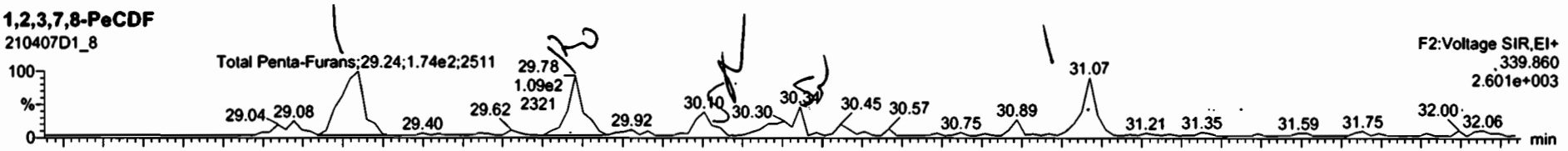
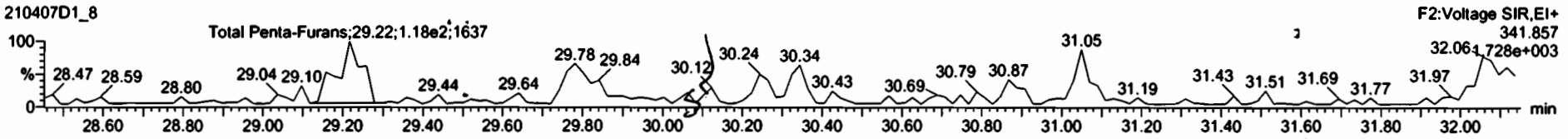
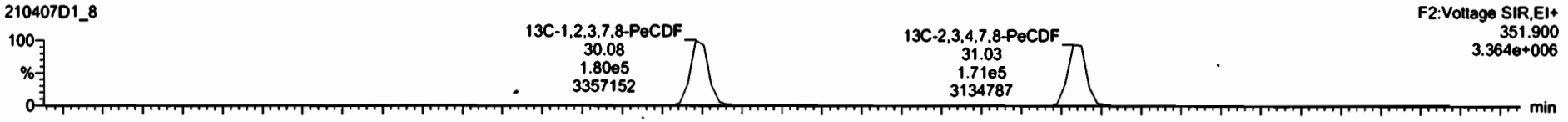
Name: 210407D1_8, Date: 07-Apr-2021, Time: 14:12:11, ID: 2103216-13 USMPDI-064RAB-20-23.4-210311 14.09, Description: USMPDI-064RAB-20-23.4-210311

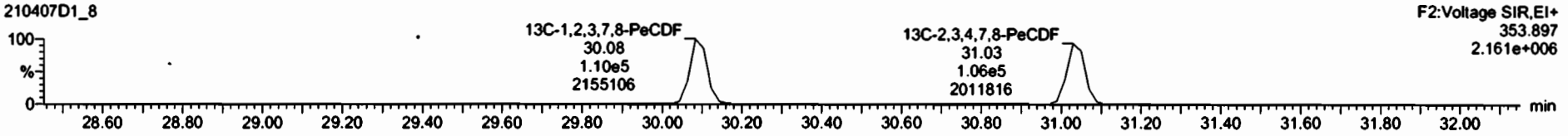
1,2,3,7,8-PeCDF



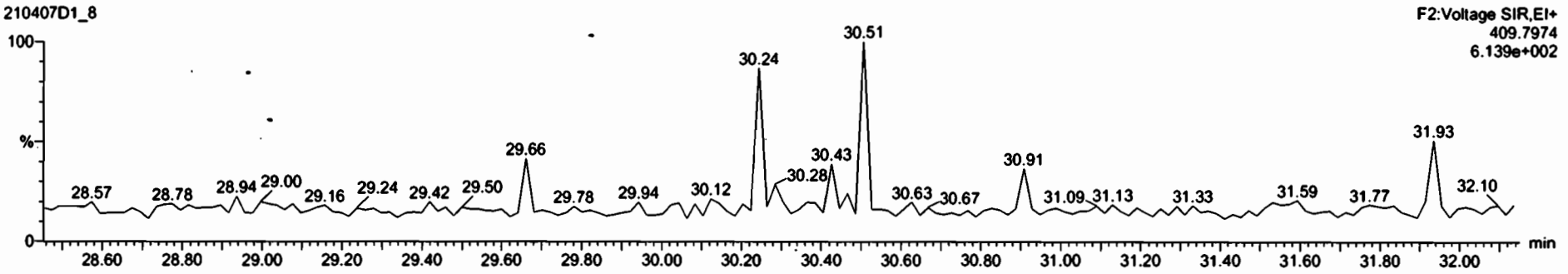


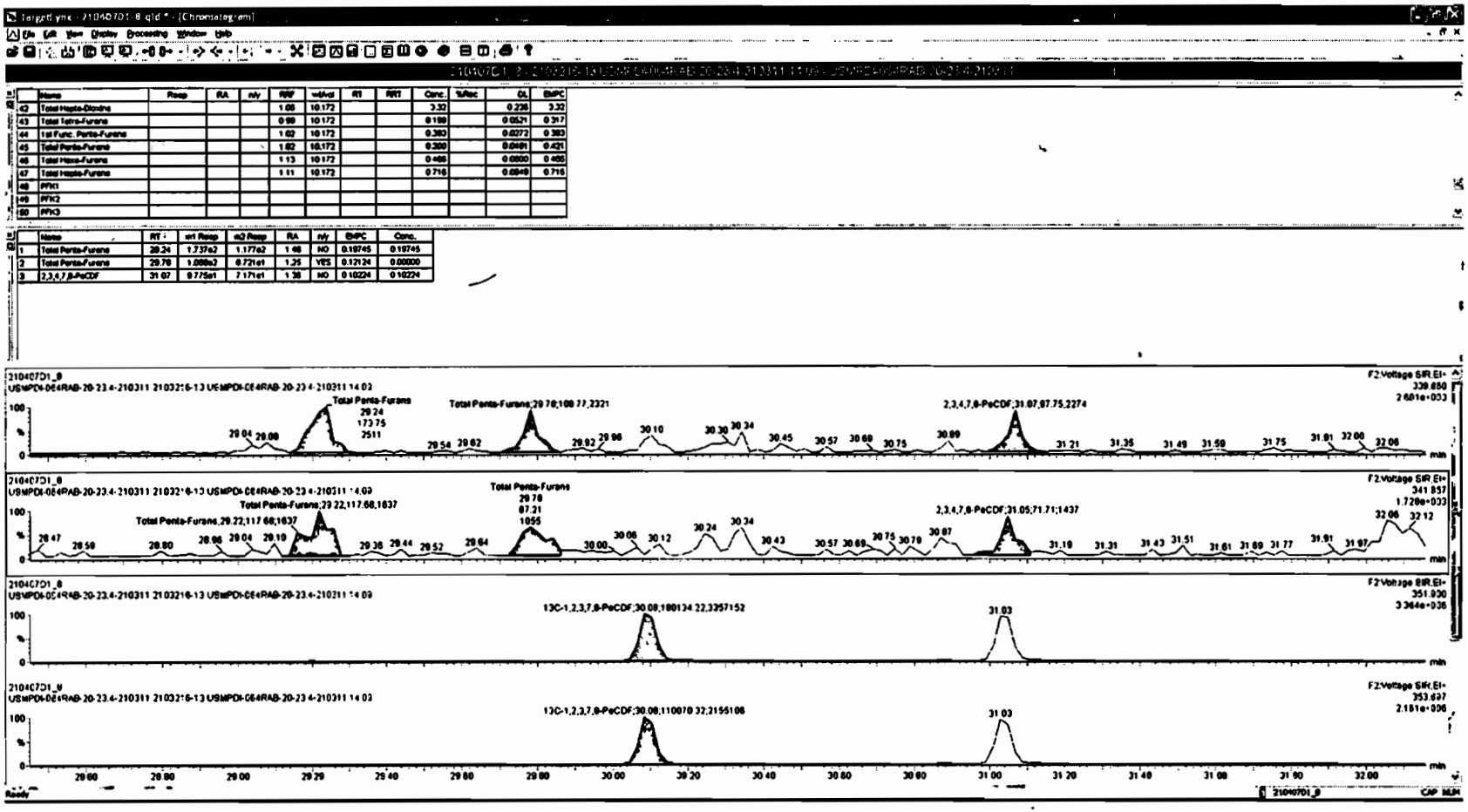
13C-1,2,3,7,8-PeCDF





DPE2





	Name	Resp	RA	m/y	RRF	vsIstd	RT	RRT	Conc.	%Rec	CL	EMPC
42	Total Hepta-Dioxins				1.05	10.172			3.32		0.226	3.32
43	Total Tetra-Furans				0.99	10.172			0.199		0.0531	0.317
44	1st Func. Penta-Furans				1.02	10.172			0.383		0.0272	0.383
45	Total Penta-Furans				1.02	10.172			0.300		0.0491	0.421
46	Total Hexa-Furans				1.13	10.172			0.466		0.0000	0.466
47	Total Hepta-Furans				1.11	10.172			0.716		0.0849	0.716
48	PFK1											
49	PFK2											
50	PFK3											

	Name	RT	ion1 Resp	ion2 Resp	RA	m/y	EMPC	Conc.
1	Total Penta-Furans	29.24	1.737e2	1.177e2	1.48	NO	0.19745	0.19745
2	Total Penta-Furans	29.78	1.089e2	8.721e1	1.25	YES	0.12134	0.00000
3	2,3,4,7,8-PeCDF	31.07	9.775e1	7.171e1	1.36	NO	0.10224	0.10224

Dataset: Untitled

Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
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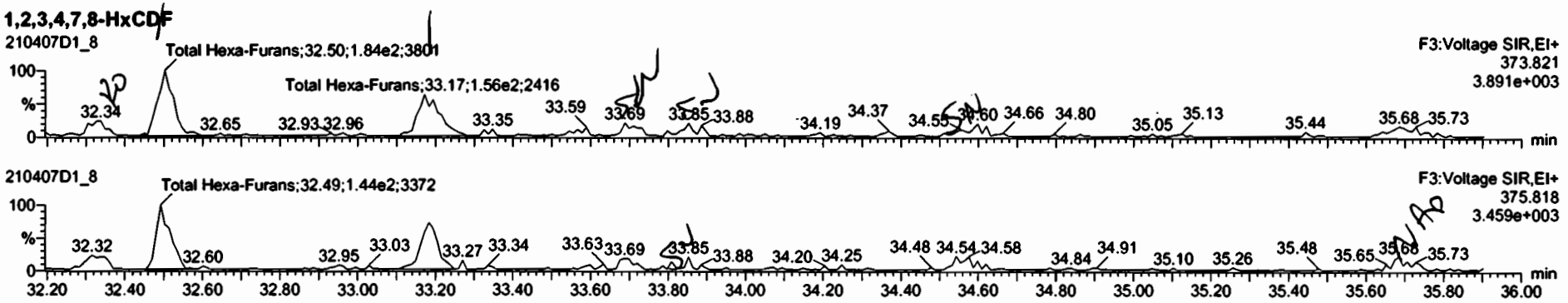
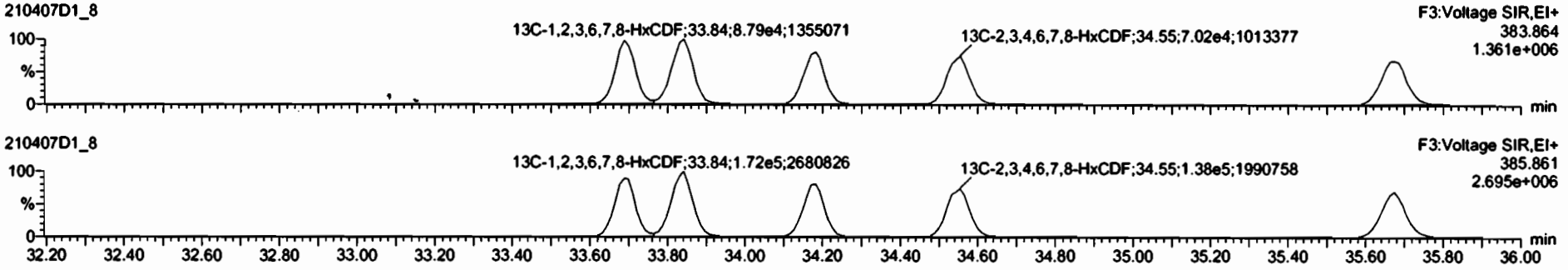
Name: 210407D1_8, Date: 07-Apr-2021, Time: 14:12:11, ID: 2103216-13 USMPDI-064RAB-20-23.4-210311 14.09, Description: USMPDI-064RAB-20-23.4-210311

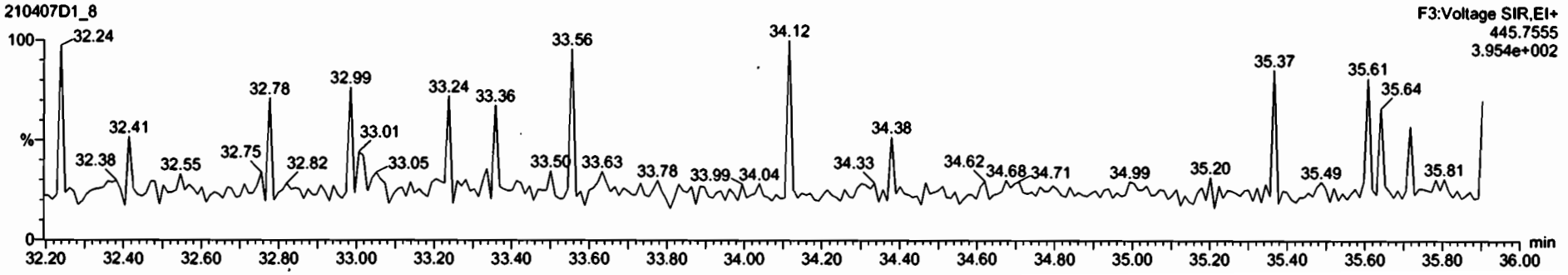
1,2,3,4,7,8-HxCDF



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



DPE3



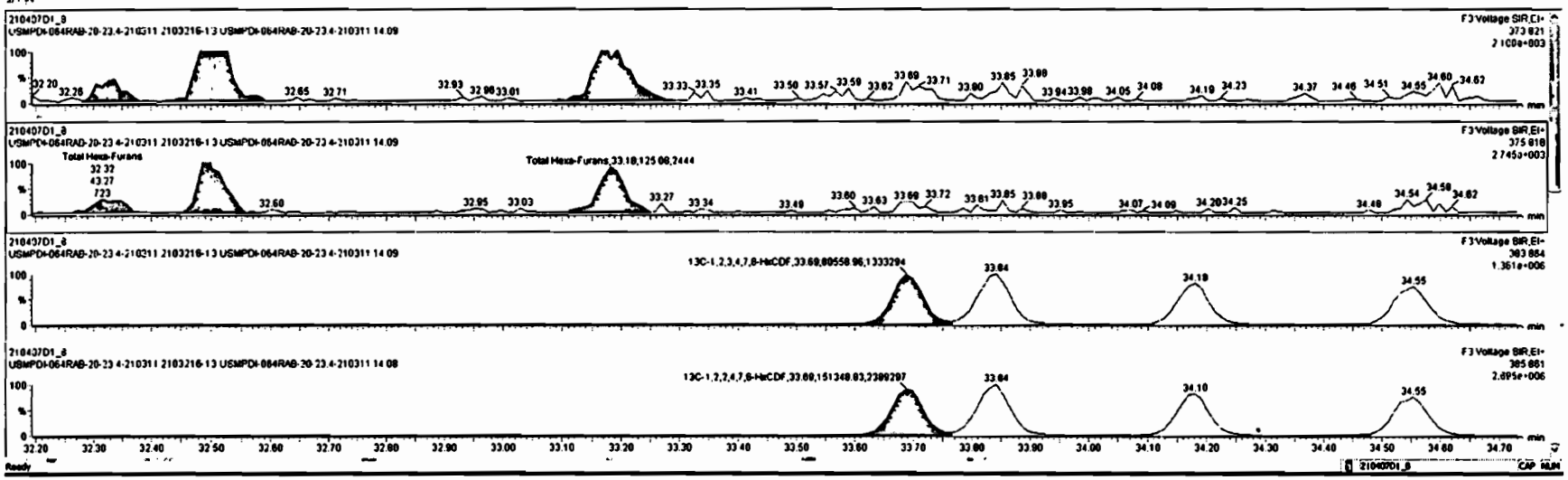
Target1.ynx - 210407D1_8.qld * - [Chromatogram]

File Edit View Display Processing Window Help

210407D1_8 - 2103216-13 USMPDI-064RAB-20-23.4-210311 14:09 - USMPDI-064RAB-20-23.4-210311

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
42	Total Hepta-Dioxins				1.06	10.172			3.32		0.238	3.32
43	Total Tetra-Furans				0.99	10.172			0.199		0.0521	0.317
44	1st Func. Penta-Furans				1.02	10.172			0.393		0.0272	0.393
45	Total Penta-Furans				1.02	10.172			0.300		0.0491	0.421
46	Total Hexa-Furans				1.13	10.172			0.488		0.0808	0.628
47	Total Hepta-Furans				1.11	10.172			0.716		0.0849	0.716
48	PFK1											
49	PFK2											
50	PFK3											

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Hexa-Furans	32.34	4.331e1	4.327e1	1.00	YES	0.058817	0.00000
2	Total Hexa-Furans	32.50	1.843e2	1.443e2	1.28	NO	0.25117	0.25117
3	Total Hexa-Furans	33.17	1.581e2	1.251e2	1.25	NO	0.21500	0.21500



Dataset: Untitled

Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
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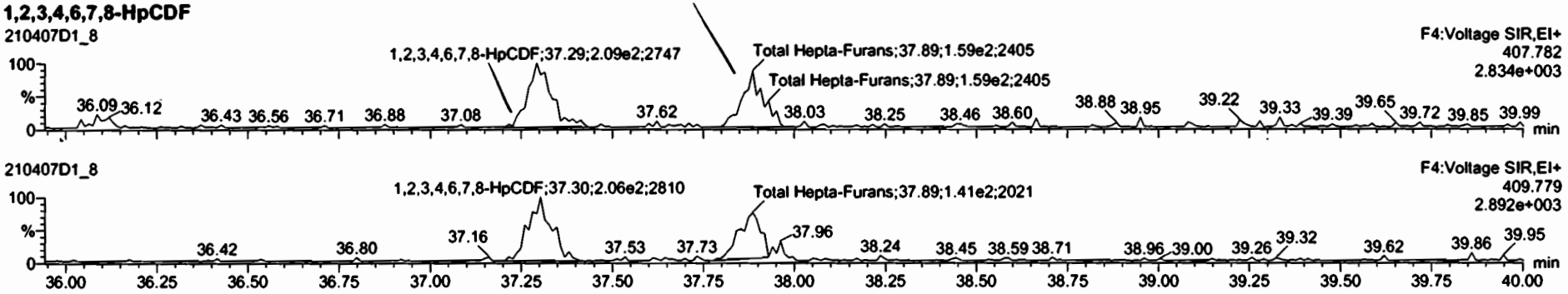
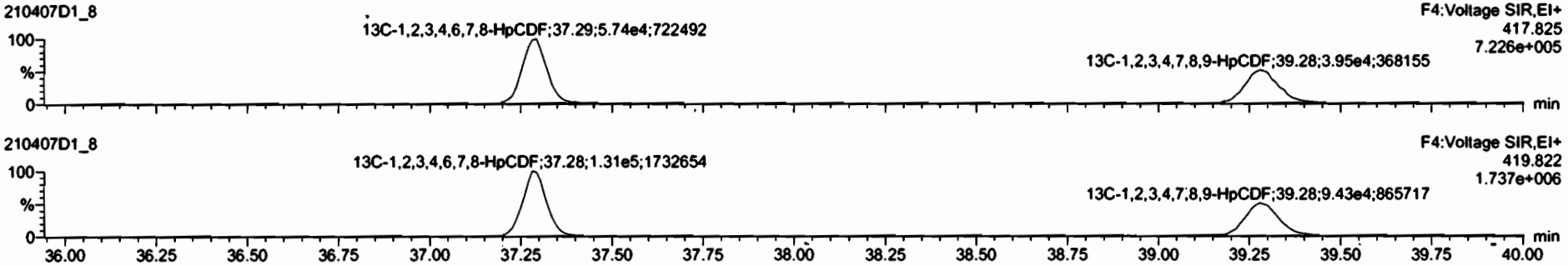
Name: 210407D1_8, Date: 07-Apr-2021, Time: 14:12:11, ID: 2103216-13 USMPDI-064RAB-20-23.4-210311 14.09, Description: USMPDI-064RAB-20-23.4-210311

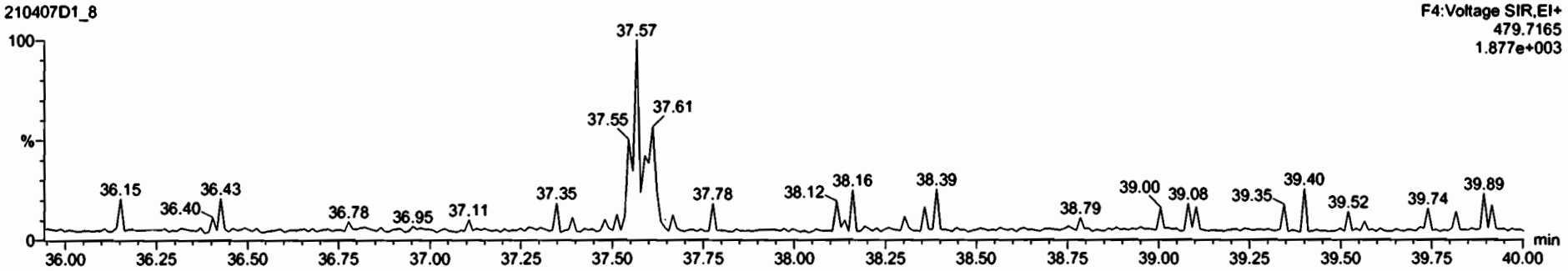
1,2,3,4,6,7,8-HpCDF

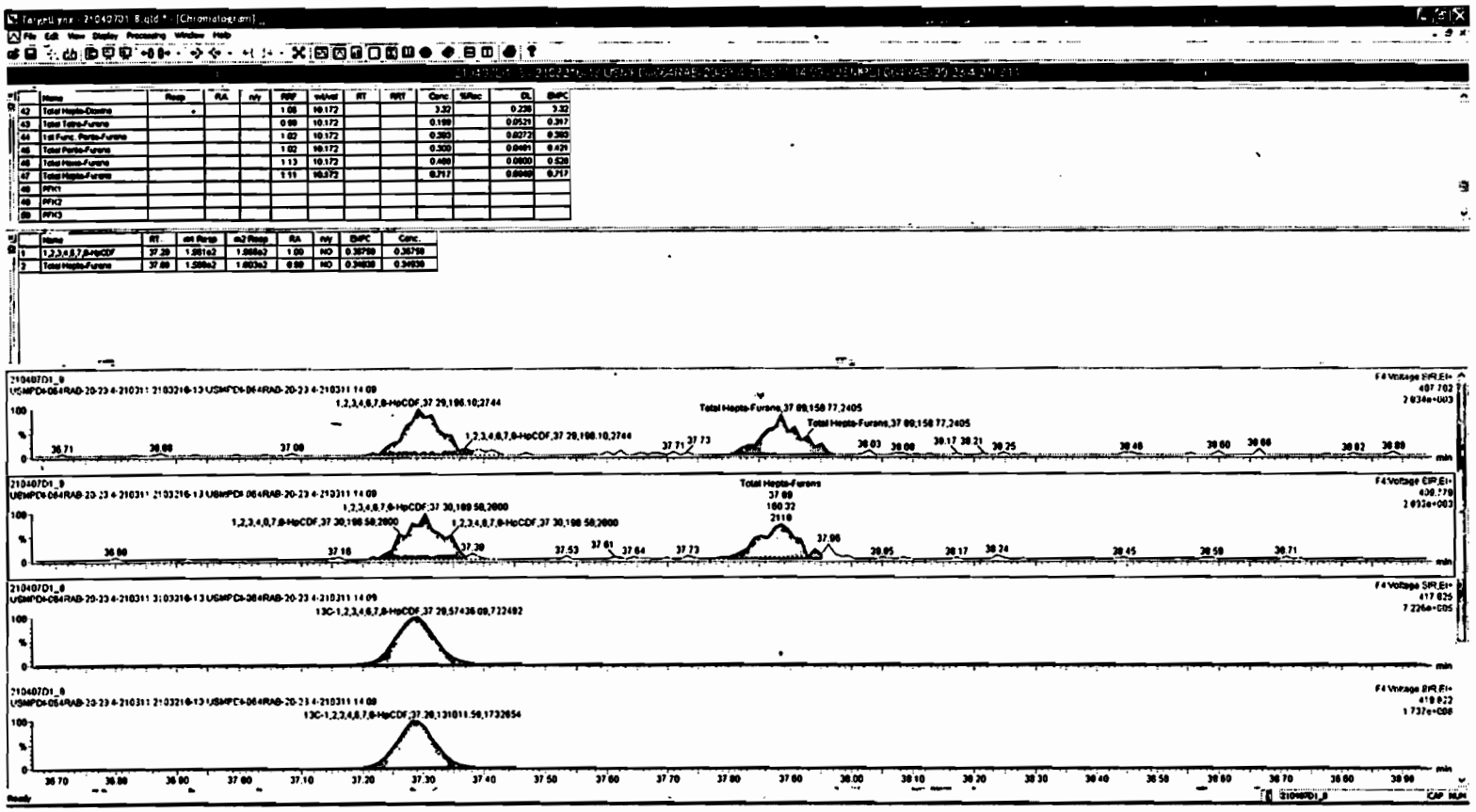


13C-1,2,3,4,6,7,8-HpCDF



DPE4





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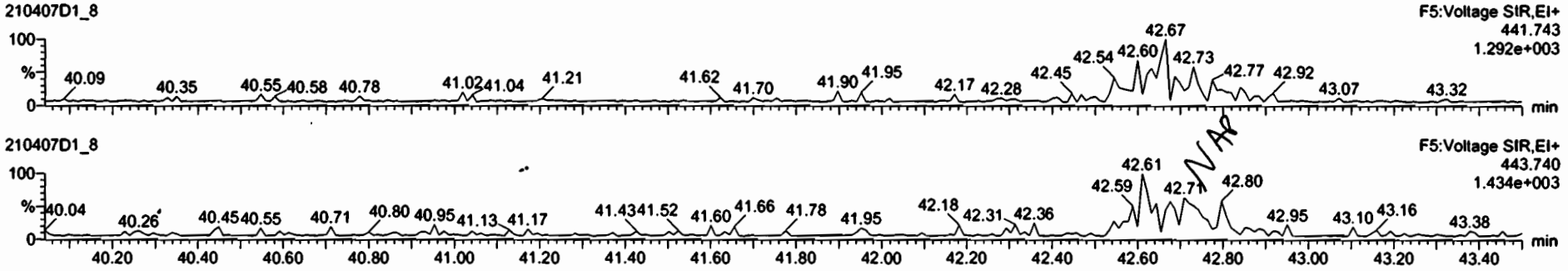
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_8, Date: 07-Apr-2021, Time: 14:12:11, ID: 2103216-13 USMPDI-064RAB-20-23.4-210311 14.09, Description: USMPDI-064RAB-20-23.4-210311

OCDF



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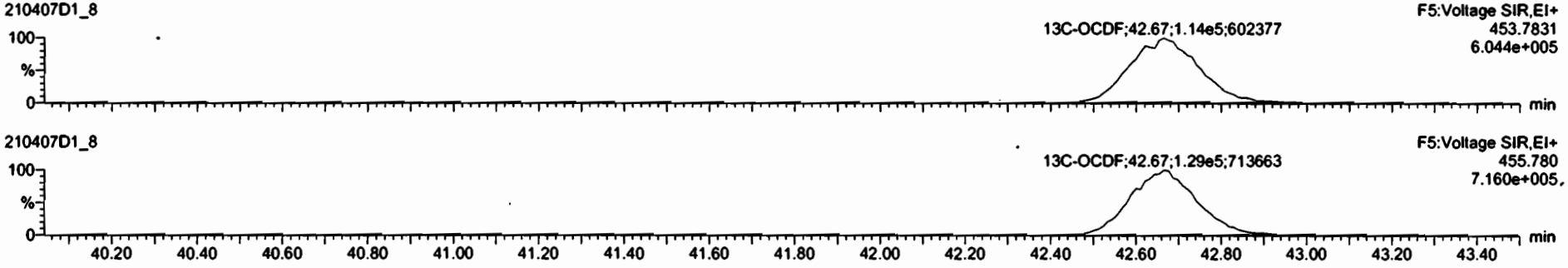
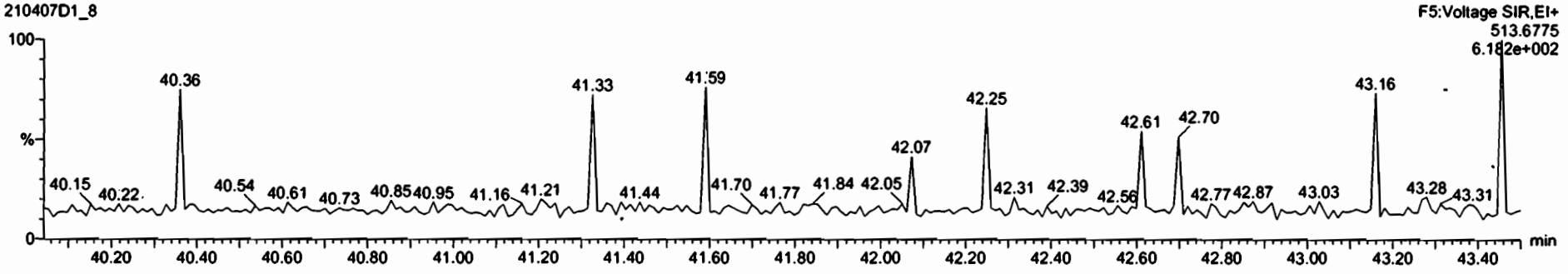


DPE5



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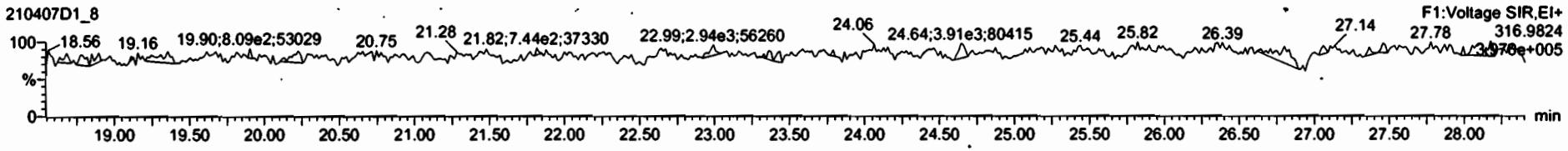
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_8, Date: 07-Apr-2021, Time: 14:12:11, ID: 2103216-13 USMPDI-064RAB-20-23.4-210311 14.09, Description: USMPDI-064RAB-20-23.4-210311

PFK1



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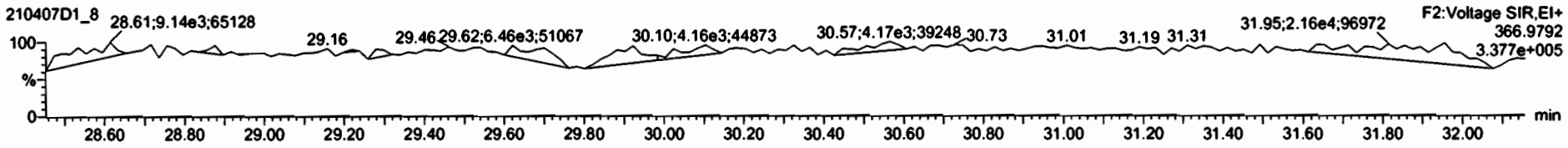

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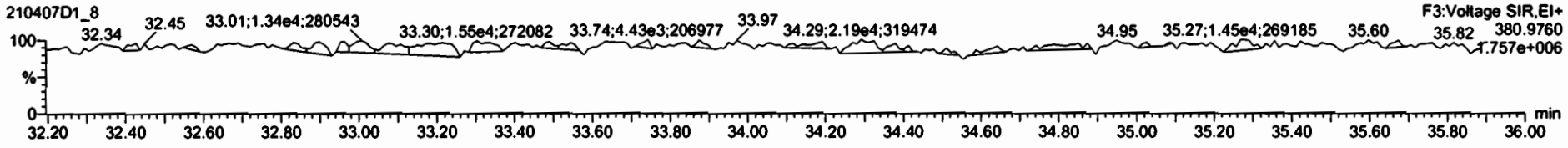
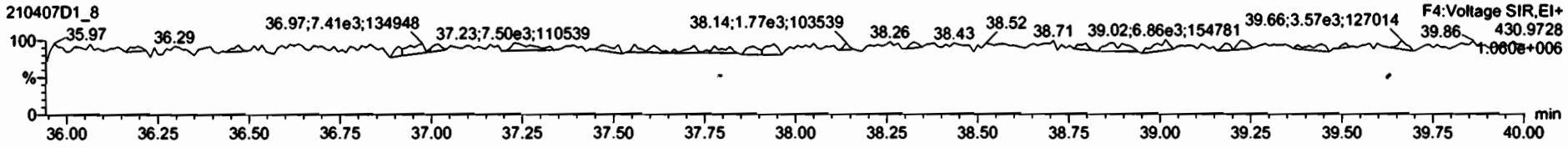
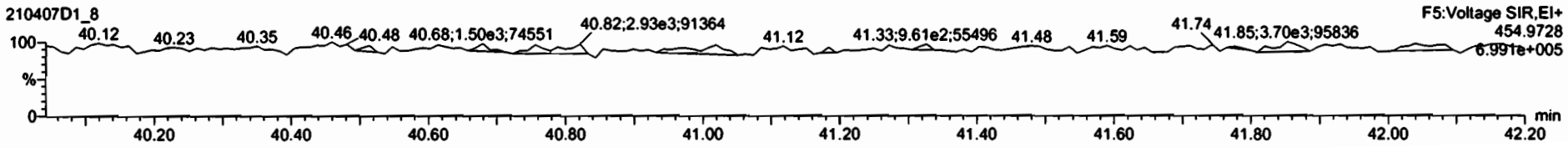


PFK4



PFK5



Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-9.qld

Last Altered: Saturday, April 17, 2021 11:27:41 Pacific Daylight Time
Printed: Saturday, April 17, 2021 11:28:24 Pacific Daylight Time

HR 4.17.2021 CT 04/21/2021

Method: Untitled 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210407D1_9, Date: 07-Apr-2021, Time: 14:58:50, ID: 2103216-14 USMPDI-1064RAB-10-20-210311 14.28, Description: USMPDI-1064RAB-10-20-210311, Task: ST210407D1-1

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD			NO	0.998	10.183					0.0400	
2	1,2,3,7,8-PeCDD			NO	0.961	10.183					0.0717	
3	1,2,3,4,7,8-HxCDD			NO	1.18	10.183					0.106	
4	1,2,3,6,7,8-HxCDD			NO	1.04	10.183					0.113	
5	1,2,3,7,8,9-HxCDD			NO	1.06	10.183					0.110	
6	1,2,3,4,6,7,8-HpCDD			NO	1.06	10.183					0.182	
7	OCDD	5.66e2	0.89	NO	0.977	10.183	42.29	1.001	1.5674		0.646	1.57
8	2,3,7,8-TCDF			NO	0.989	10.183					0.0320	
9	1,2,3,7,8-PeCDF			NO	1.02	10.183					0.0467	
10	2,3,4,7,8-PeCDF			NO	1.17	10.183					0.0448	
11	1,2,3,4,7,8-HxCDF			NO	1.14	10.183					0.0397	
12	1,2,3,6,7,8-HxCDF			NO	1.04	10.183					0.0411	
13	2,3,4,6,7,8-HxCDF			NO	1.13	10.183					0.0498	
14	1,2,3,7,8,9-HxCDF	4.36e1	2.12	YES	1.07	10.183	35.68	1.000	0.040494		0.0352	0.0291
15	1,2,3,4,6,7,8-HpCDF			NO	1.11	10.183					0.0495	
16	1,2,3,4,7,8,9-HpCDF			NO	1.32	10.183					0.0771	
17	OCDF			NO	0.931	10.183					0.236	
18	13C-2,3,7,8-TCDD	2.42e5	0.77	NO	1.20	10.183	27.06	1.024	224.12	114	0.302	
19	13C-1,2,3,7,8-PeCDD	1.74e5	0.66	NO	0.864	10.183	31.21	1.181	224.06	114	0.204	
20	13C-1,2,3,4,7,8-HxCDD	1.37e5	1.28	NO	0.600	10.183	34.66	1.014	232.24	118	0.757	
21	13C-1,2,3,6,7,8-HxCDD	1.53e5	1.27	NO	0.674	10.183	34.80	1.018	231.17	118	0.674	
22	13C-1,2,3,7,8,9-HxCDD	1.53e5	1.32	NO	0.679	10.183	35.10	1.027	230.16	117	0.669	
23	13C-1,2,3,4,6,7,8-HpCDD	1.16e5	1.09	NO	0.558	10.183	38.52	1.127	212.25	108	1.18	
24	13C-OCDD	1.45e5	0.93	NO	0.496	10.183	42.26	1.237	298.76	76.1	0.646	
25	13C-2,3,7,8-TCDF	3.44e5	0.80	NO	1.03	10.183	26.49	1.003	230.40	117	0.339	
26	13C-1,2,3,7,8-PeCDF	2.61e5	1.62	NO	0.805	10.183	30.08	1.139	222.08	113	0.530	
27	13C-2,3,4,7,8-PeCDF	2.57e5	1.63	NO	0.748	10.183	31.03	1.175	235.79	120	0.570	
28	13C-1,2,3,4,7,8-HxCDF	2.16e5	0.52	NO	0.968	10.183	33.67	0.985	228.07	116	0.713	
29	13C-1,2,3,6,7,8-HxCDF	2.38e5	0.51	NO	1.08	10.183	33.81	0.989	223.46	114	0.636	
30	13C-2,3,4,6,7,8-HxCDF	2.03e5	0.50	NO	0.960	10.183	34.55	1.011	216.16	110	0.719	

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-9.qld

Last Altered: Saturday, April 17, 2021 11:27:41 Pacific Daylight Time
Printed: Saturday, April 17, 2021 11:28:24 Pacific Daylight Time

Name: 210407D1_9, Date: 07-Apr-2021, Time: 14:58:50, ID: 2103216-14 USMPDI-1064RAB-10-20-210311 14.28, Description: USMPDI-1064RAB-10-20-210311, Task: ST210407D1-1

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	1.97e5	0.50	NO	0.869	10.183	35.67	1.044	230.93	118	0.794	
32	13C-1,2,3,4,6,7,8-HpCDF	1.66e5	0.43	NO	0.794	10.183	37.27	1.091	213.27	109	0.903	
33	13C-1,2,3,4,7,8,9-HpCDF	1.19e5	0.43	NO	0.586	10.183	39.26	1.149	207.53	106	1.22	
34	13C-OCDF	2.14e5	0.89	NO	0.711	10.183	42.61	1.247	306.93	78.1	0.481	
35	37Cl-2,3,7,8-TCDD	9.29e4			1.11	10.183	27.08	1.025	93.477	119	0.0532	
36	13C-1,2,3,4-TCDD	1.76e5	0.75	NO	1.00	10.183	26.42	1.000	196.40	100	0.364	
37	13C-1,2,3,4-TCDF	2.86e5	0.80	NO	1.00	10.183	25.21	1.000	196.40	100	0.348	
38	13C-1,2,3,4,6,9-HxCDF	1.93e5	0.50	NO	1.00	10.183	34.17	1.000	196.40	100	0.690	
39	Total Tetra-Dioxins				0.998	10.183					0.0219	
40	Total Penta-Dioxins				0.961	10.183			0.00000		0.0295	0.211
41	Total Hexa-Dioxins				1.04	10.183					0.0706	
42	Total Hepta-Dioxins				1.06	10.183			0.24788		0.0971	0.248
43	Total Tetra-Furans				0.989	10.183			0.00000		0.0133	0.0516
44	1st Func. Penta-Furans				1.02	10.183			0.00000		0.00590	0.0430
45	Total Penta-Furans				1.02	10.183					0.0228	
46	Total Hexa-Furans				1.13	10.183			0.029153		0.0266	0.0837
47	Total Hepta-Furans				1.11	10.183					0.0324	

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-9.qld

Last Altered: Saturday, April 17, 2021 11:27:41 Pacific Daylight Time
Printed: Saturday, April 17, 2021 11:28:24 Pacific Daylight Time

Method: Untitled 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210407D1_9, Date: 07-Apr-2021, Time: 14:58:50, ID: 2103216-14 USMPDI-1064RAB-10-20-210311 14.28, Description: USMPDI-1064RAB-10-20-210311, Task: ST210407D1-1

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	29.76	1.086e3	3.417e3	6.922e1	2.175e2	0.32	YES	0.000e0	0.00000	0.21063	0.0717

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	Total Hepta-Dioxins	37.58	1.422e3	1.065e3	8.448e1	7.087e1	1.19	NO	1.554e2	0.24788	0.24788	0.0971

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Tetra-Furans	23.34	6.070e2	4.510e2	2.184e1	2.289e1	0.95	YES	0.000e0	0.00000	0.023347	0.0133
2	Total Tetra-Furans	26.43	6.550e2	1.110e3	2.130e1	3.420e1	0.62	YES	0.000e0	0.00000	0.028220	0.0133

Penta-Furans function 1

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	1st Func. Penta-Furans	27.76	7.900e2	6.030e2	3.519e1	2.907e1	1.21	YES	0.000e0	0.00000	0.042971	0.00590

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-9.qld

Last Altered: Saturday, April 17, 2021 11:27:41 Pacific Daylight Time
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Name: 210407D1_9, Date: 07-Apr-2021, Time: 14:58:50, ID: 2103216-14 USMPDI-1064RAB-10-20-210311 14.28, Description: USMPDI-1064RAB-10-20-210311, Task: ST210407D1-1

Penta-Furans

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

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	33.19	5.410e2	3.310e2	2.851e1	1.395e1	2.04	YES	0.000e0	0.00000	0.025469	0.0266
2	1,2,3,7,8,9-HxCDF	35.68	6.260e2	3.590e2	2.961e1	1.399e1	2.12	YES	4.360e1	0.00000	0.029109	0.0352
3	Total Hexa-Furans	35.71	5.320e2	5.640e2	1.907e1	1.669e1	1.14	NO	3.577e1	0.029153	0.029153	0.0266

Hepta-Furans

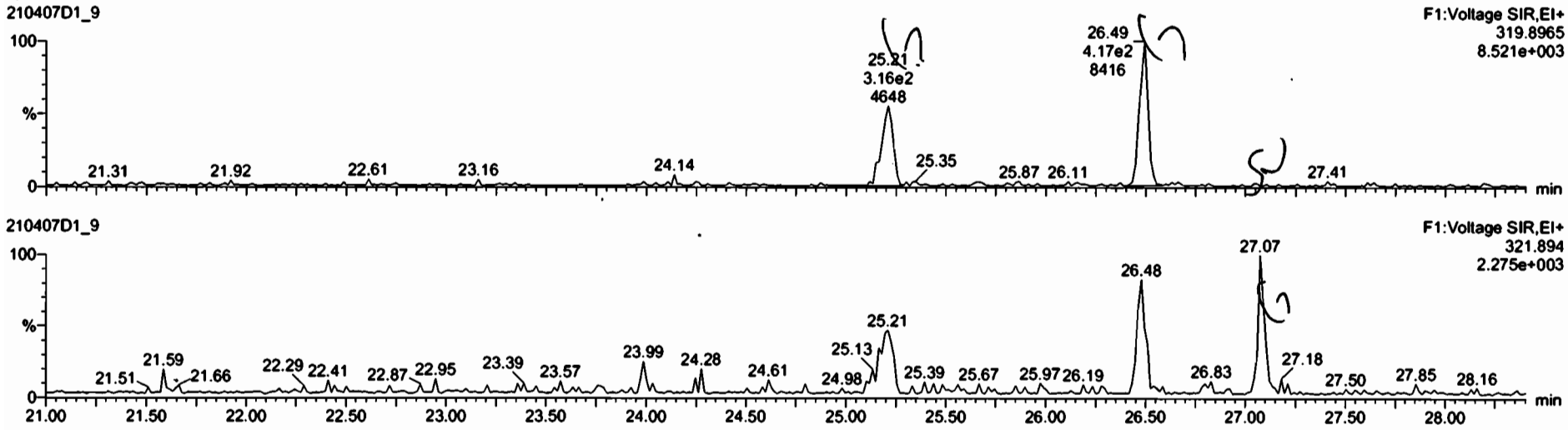
	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

Dataset: Untitled

Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_9, Date: 07-Apr-2021, Time: 14:58:50, ID: 2103216-14 USMPDI-1064RAB-10-20-210311 14.28, Description: USMPDI-1064RAB-10-20-210311

2,3,7,8-TCDD



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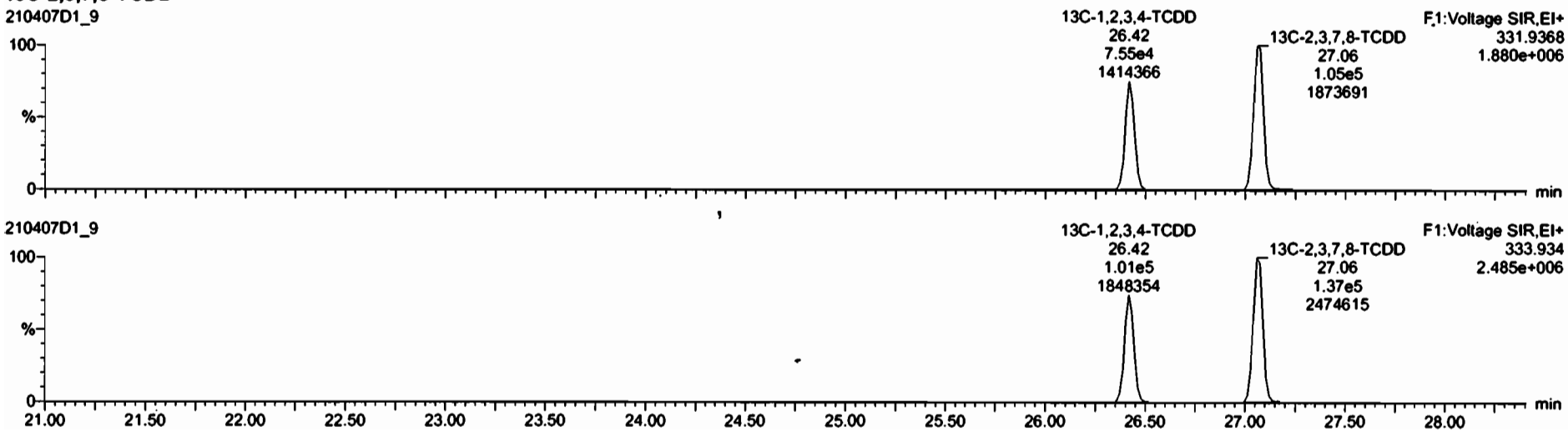

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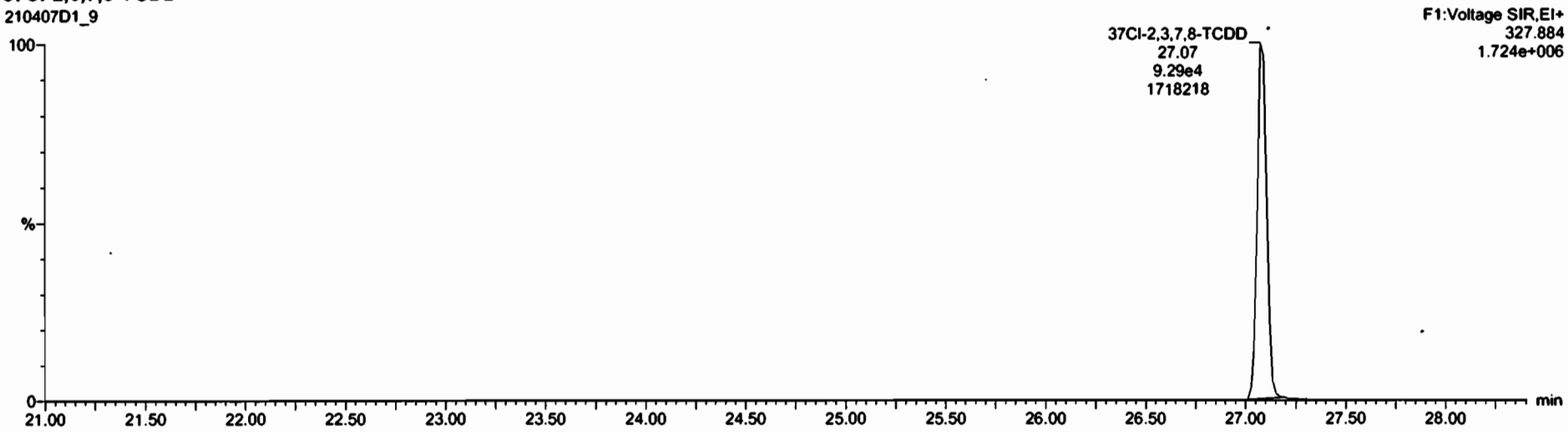
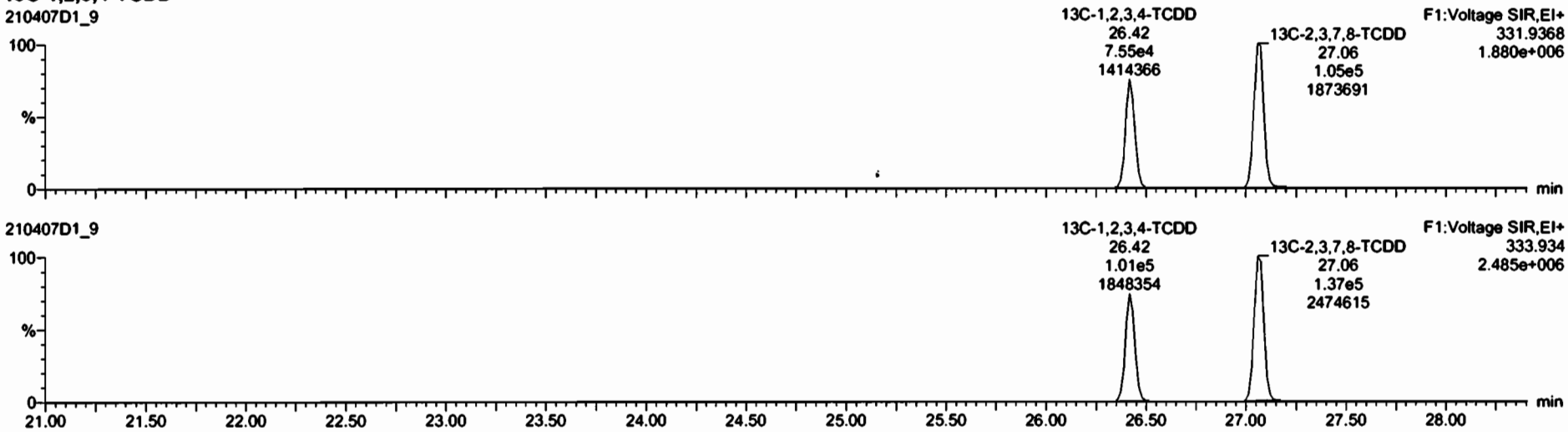
Name: 210407D1_9, Date: 07-Apr-2021, Time: 14:58:50, ID: 2103216-14 USMPDI-1064RAB-10-20-210311 14.28, Description: USMPDI-1064RAB-10-20-210311

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



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



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Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
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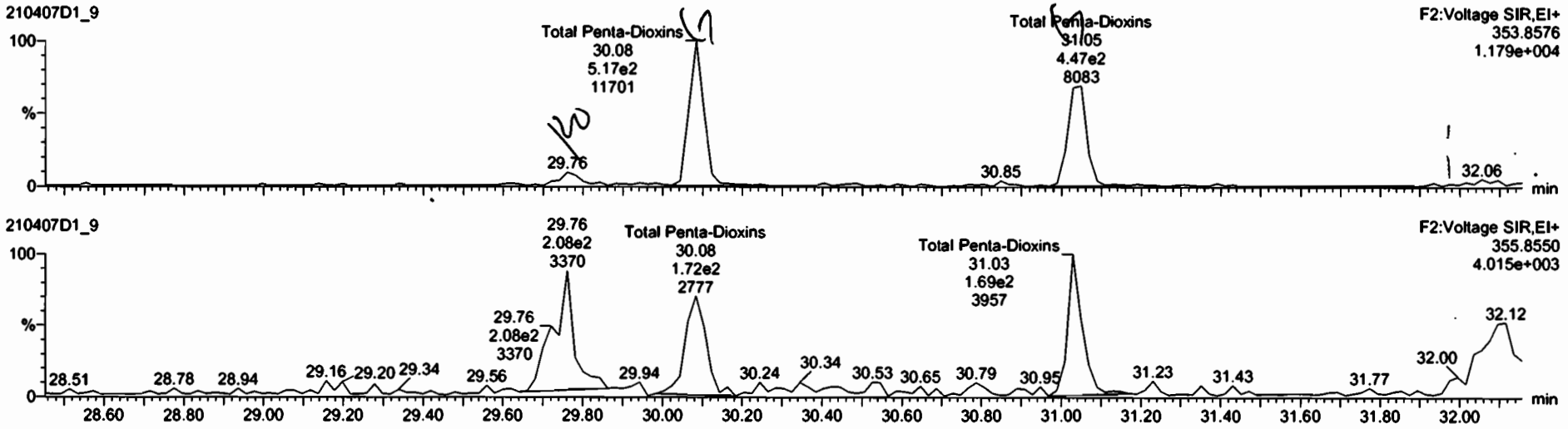
Name: 210407D1_9, Date: 07-Apr-2021, Time: 14:58:50, ID: 2103216-14 USMPDI-1064RAB-10-20-210311 14.28, Description: USMPDI-1064RAB-10-20-210311

1,2,3,7,8-PeCDD



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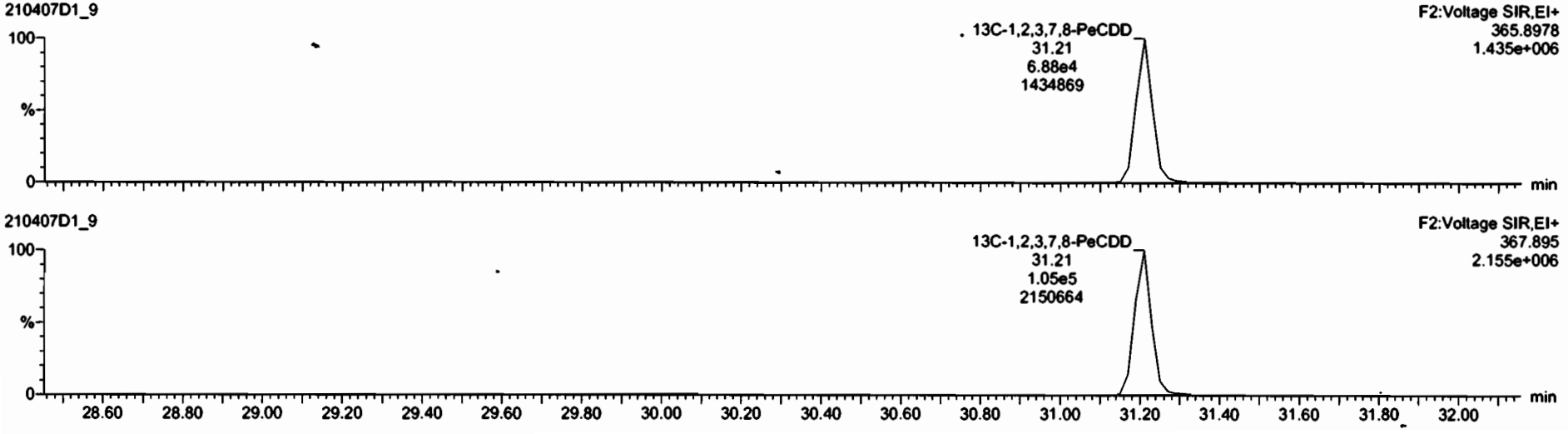

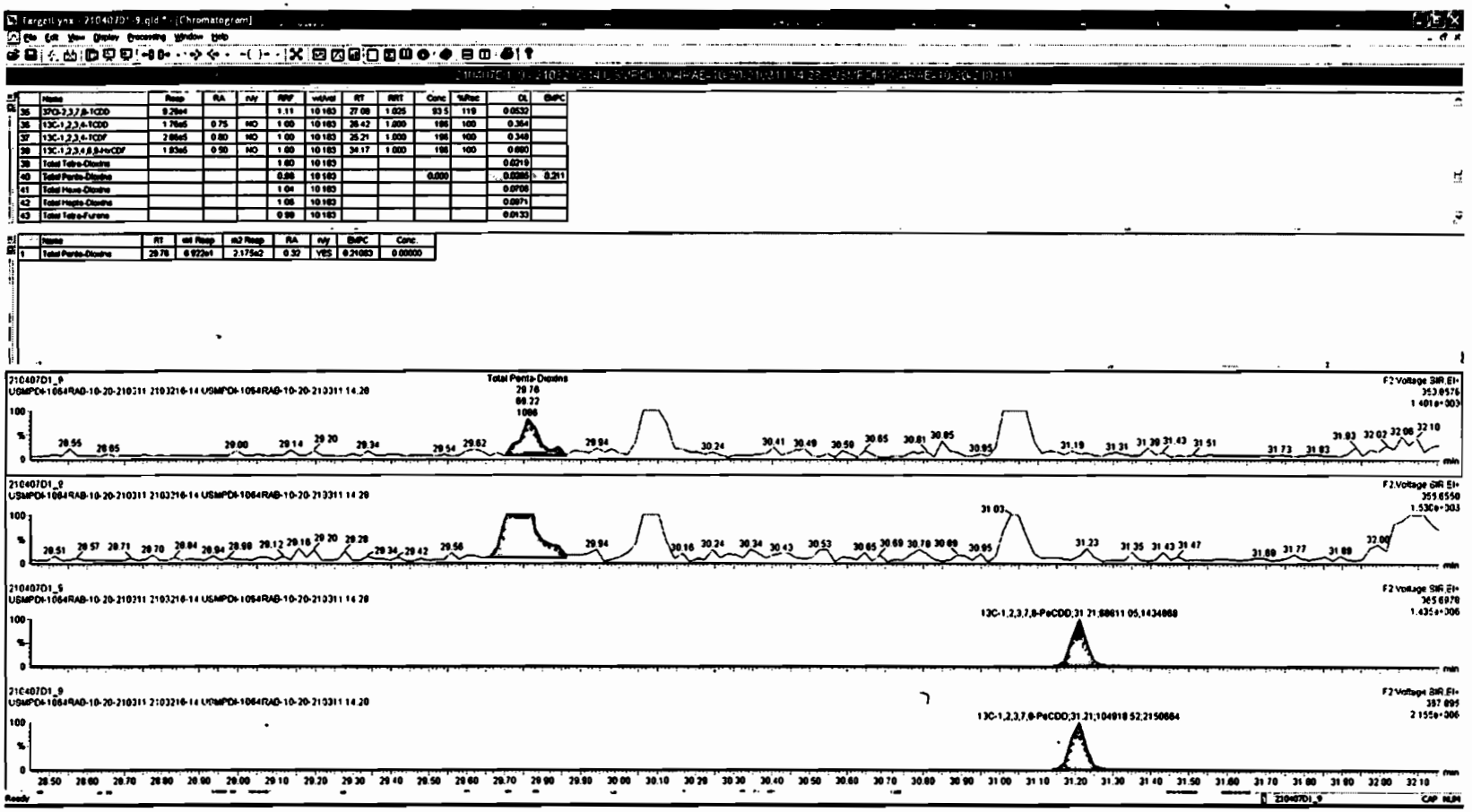
TargetLynx - 210407D1_9.gld * - [Chromatogram]
Total Penta-Dioxins
29.78
1006
13C-1,2,3,7,8-PeCDD;31.21;88611.05;1434868
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Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
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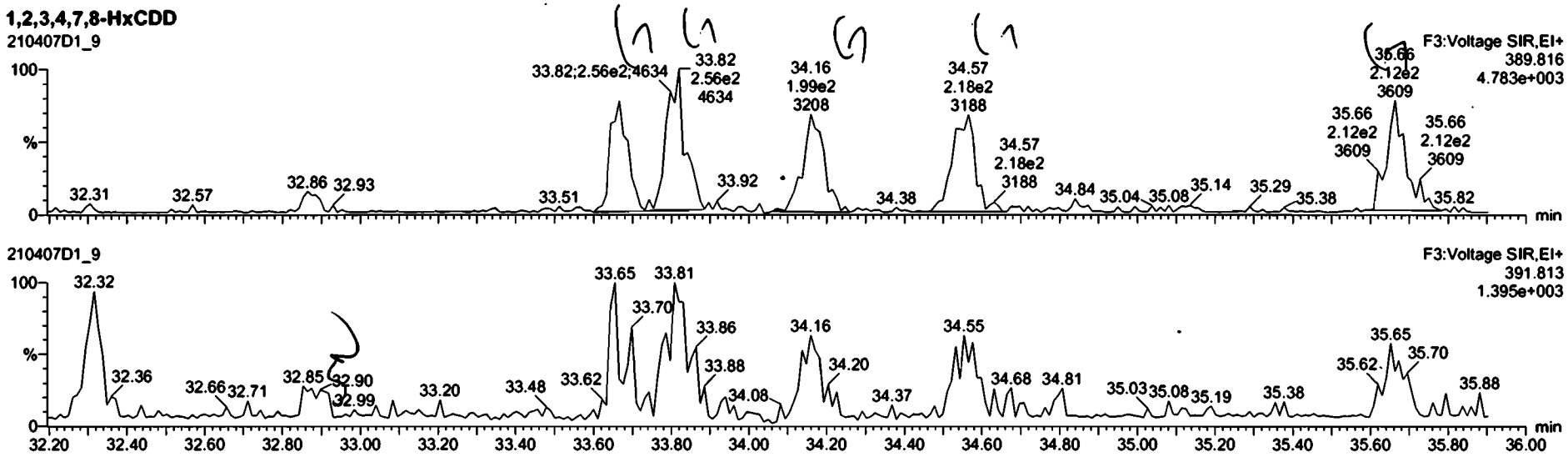
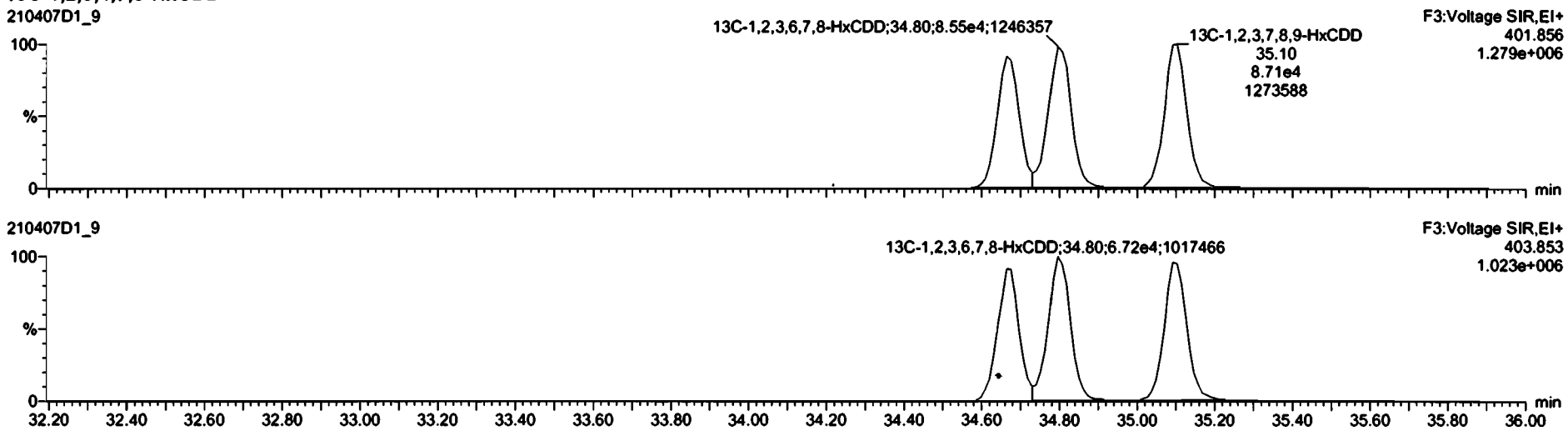
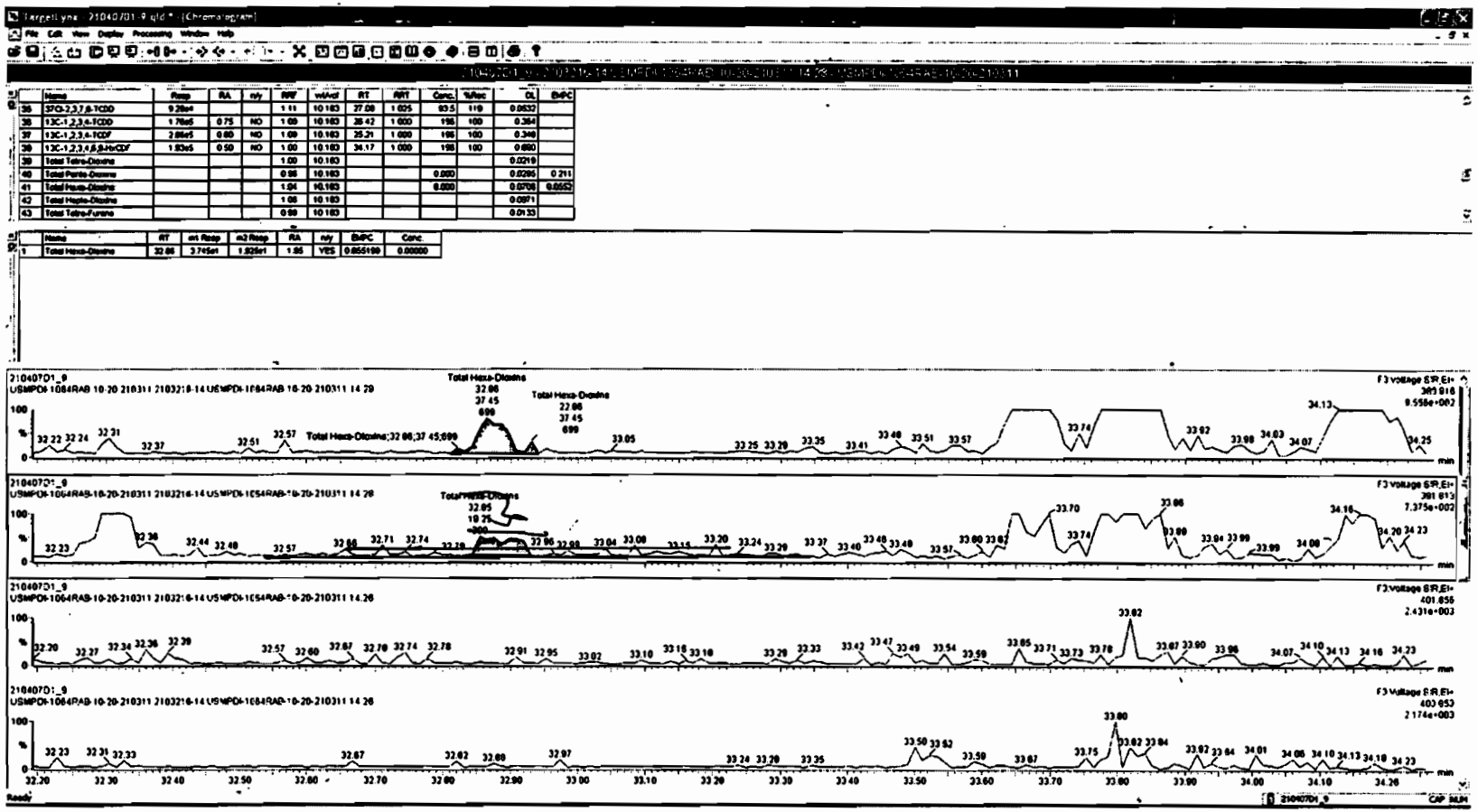
Name: 210407D1_9, Date: 07-Apr-2021, Time: 14:58:50, ID: 2103216-14 USMPDI-1064RAB-10-20-210311 14.28, Description: USMPDI-1064RAB-10-20-210311

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



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



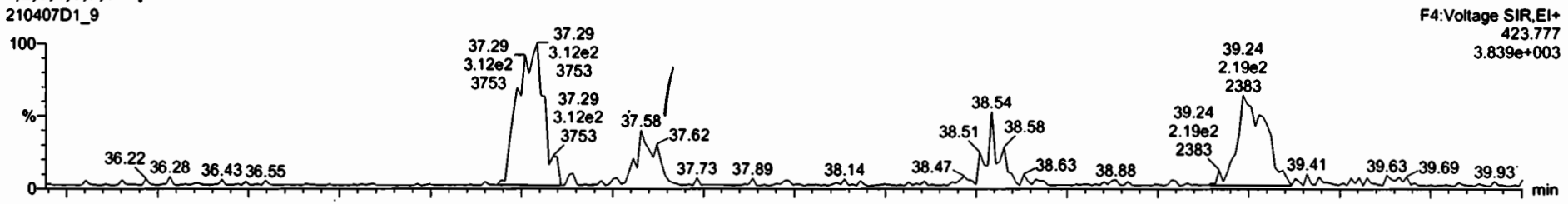


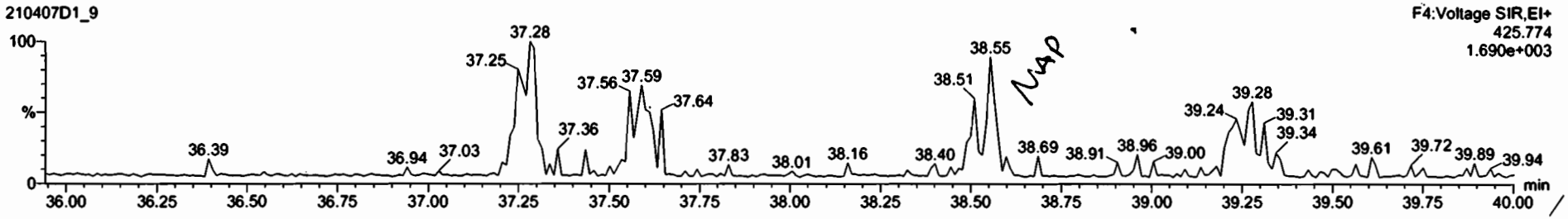
Dataset: Untitled

Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

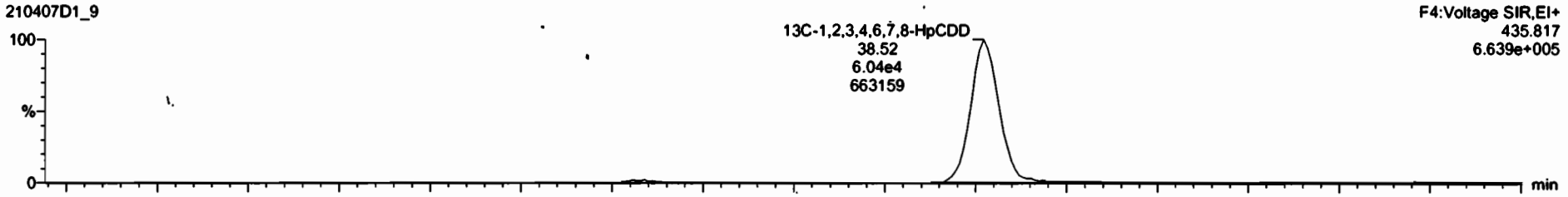
Name: 210407D1_9, Date: 07-Apr-2021, Time: 14:58:50, ID: 2103216-14 USMPDI-1064RAB-10-20-210311 14.28, Description: USMPDI-1064RAB-10-20-210311

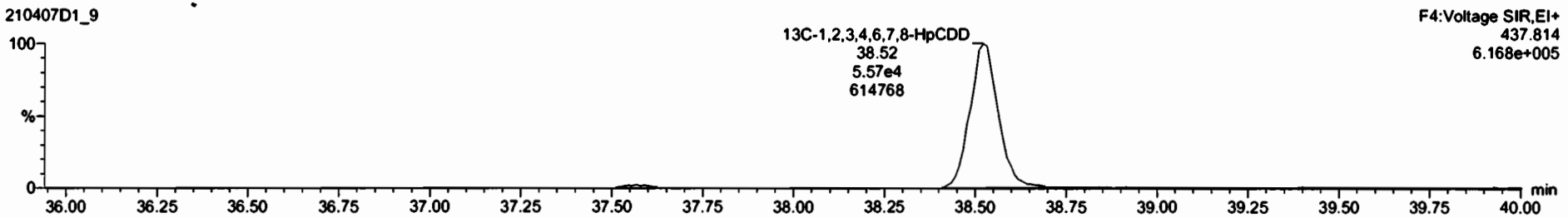
1,2,3,4,6,7,8-HpCDD

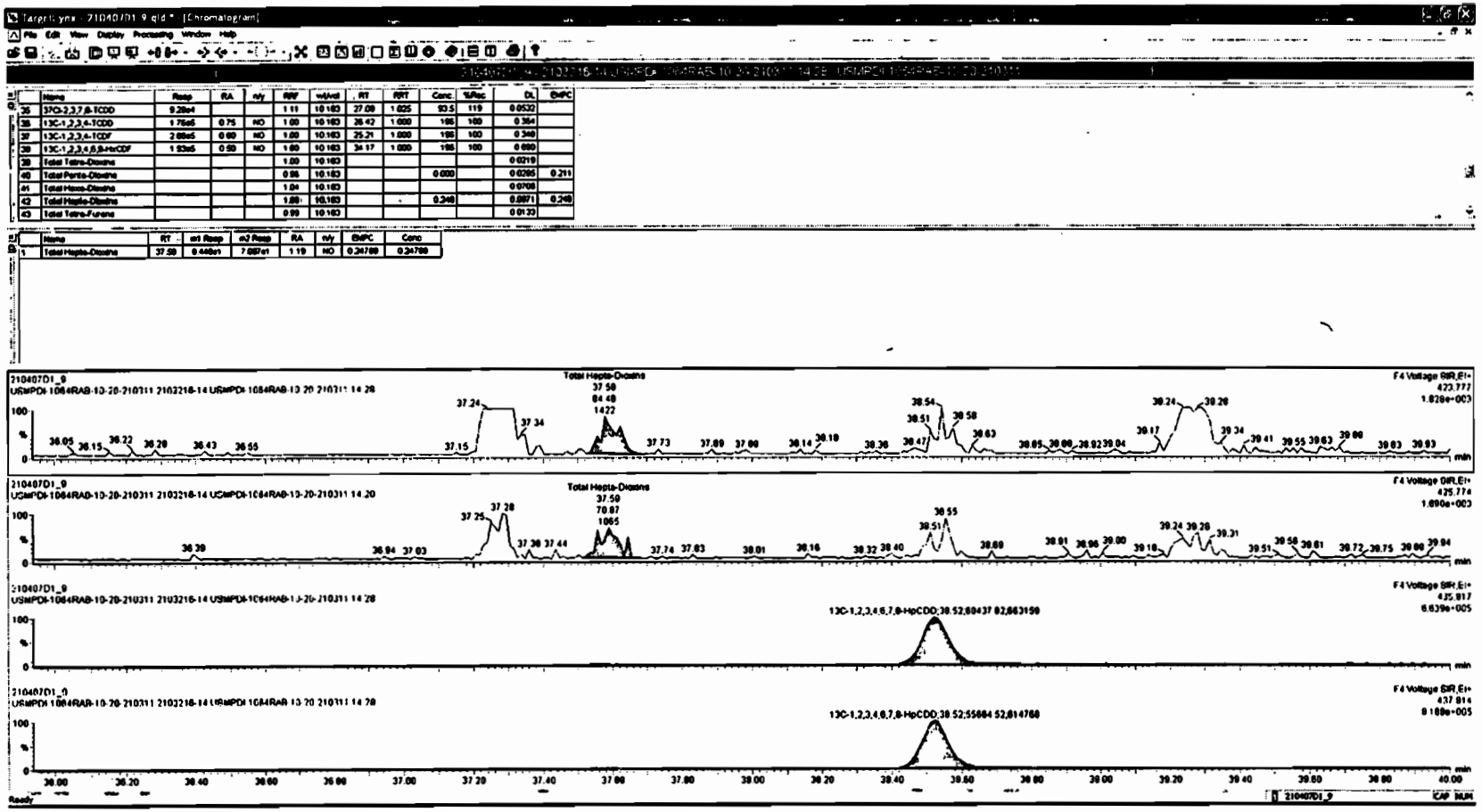




13C-1,2,3,4,6,7,8-HpCDD







	Name	Resp	RA	n/y	RRF	w/in/d	RT	RRT	Conc.	%Rec	DL	EMPC
35	37Cl-2,3,7,8-TCDD	9.28e4			1.11	10.183	27.09	1.025	93.5	119	0.0532	
36	13C-1,2,3,4-TCDD	1.75e6	0.75	NO	1.00	10.183	26.42	1.000	198	100	0.354	
37	13C-1,2,3,4-TCDF	2.68e6	0.60	NO	1.00	10.183	25.21	1.000	198	100	0.349	
38	13C-1,2,3,4,6,8,9-HpCDF	1.92e6	0.59	NO	1.00	10.183	34.17	1.000	198	100	0.690	
39	Total Tetra-Dioxins				1.00	10.183					0.0219	
40	Total Penta-Dioxins				0.96	10.183			0.000		0.0295	0.211
41	Total Hexa-Dioxins				1.04	10.183					0.0708	
42	Total Hepta-Dioxins				1.00	10.183			0.248		0.0971	0.248
43	Total Tetra-Furans				0.99	10.183					0.0133	

	Name	RT	a/l Resp	a/2 Resp	RA	n/y	EMPC	Conc
1	Total Hepta-Dioxins	37.58	9.448e1	7.087e1	1.19	NO	0.24788	0.24788

Dataset: Untitled

Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
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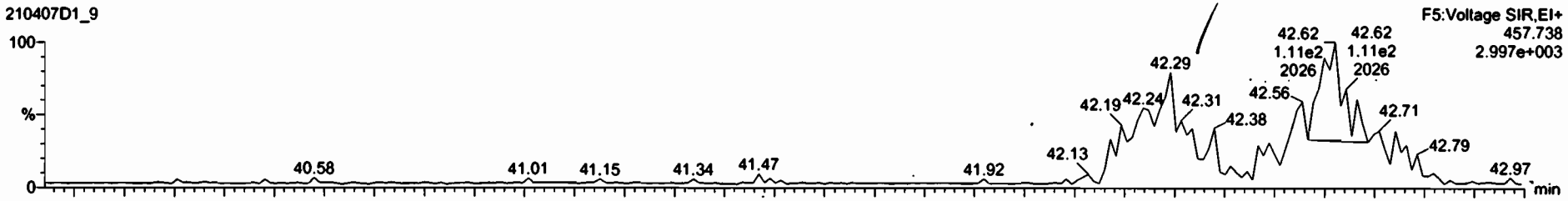
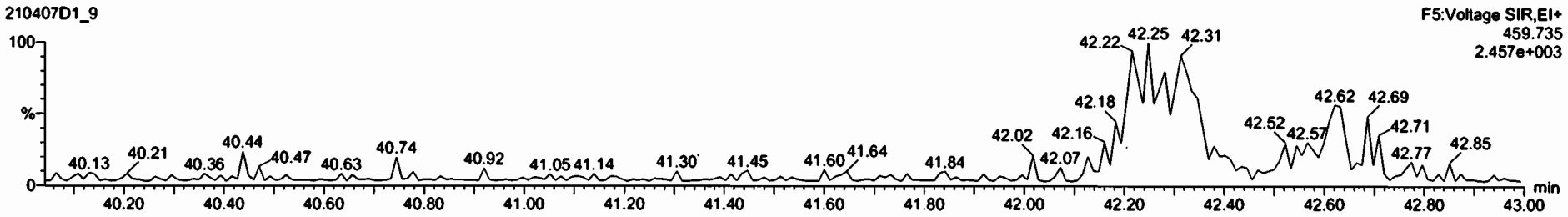
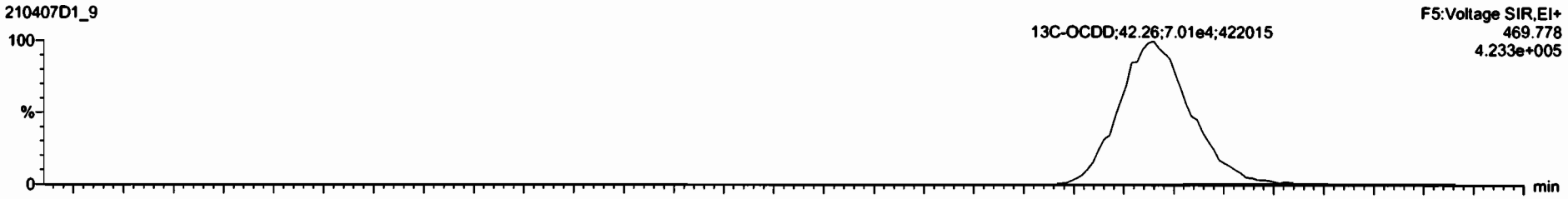
Name: 210407D1_9, Date: 07-Apr-2021, Time: 14:58:50, ID: 2103216-14 USMPDI-1064RAB-10-20-210311 14.28, Description: USMPDI-1064RAB-10-20-210311

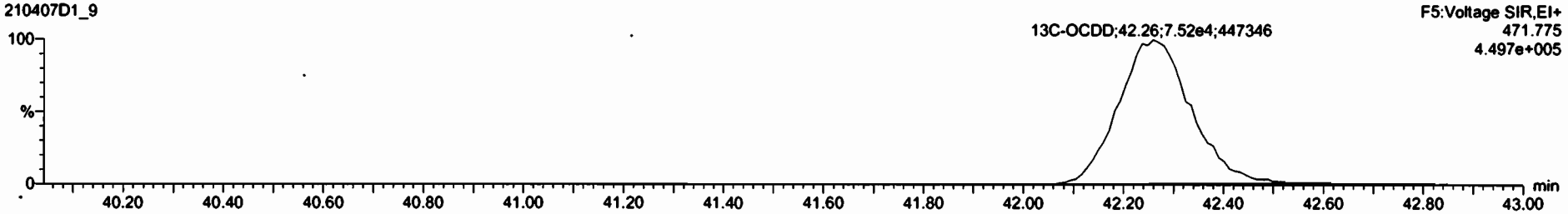
OCDD





13C-OCDD



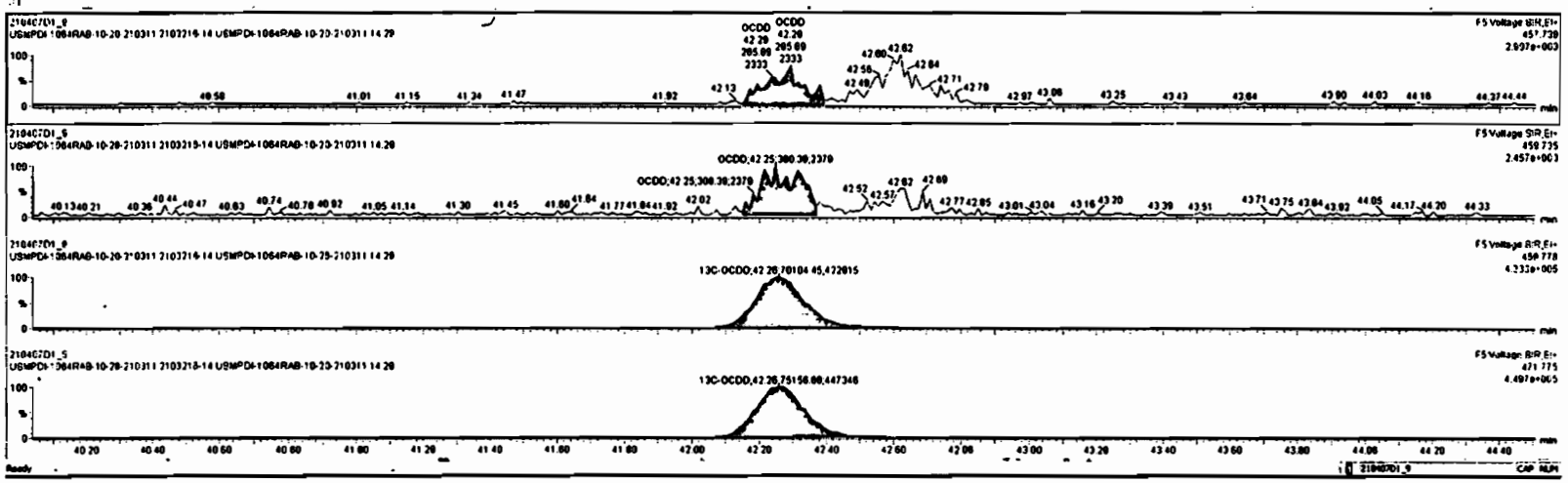


TargetLynx - 21040701-9.old * - [Chromatogram]

File Edit View Display Processing Window Help

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD			NO	1.00	10.183					0.0400	
2	1,2,3,7,8-PeCDD			NO	0.95	10.183					0.0717	
3	1,2,3,4,7,8-HxCDD			NO	1.18	10.183					0.186	
4	1,2,3,6,7,8-HxCDD			NO	1.04	10.183					0.113	
5	1,2,3,7,8,9-HxCDD			NO	1.08	10.183					0.110	
6	1,2,3,4,6,7,8-HpCDD			NO	1.06	10.183					0.182	
7	OCDD	5.86e2	0.89	NO	0.99	10.183	42.20	1.001	1.57		0.646	1.57
8	2,3,7,8-TCDF			NO	0.99	10.183					0.0320	
9	1,2,3,7,8-PeCDF			NO	1.02	10.183					0.0467	

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



Dataset: Untitled

Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
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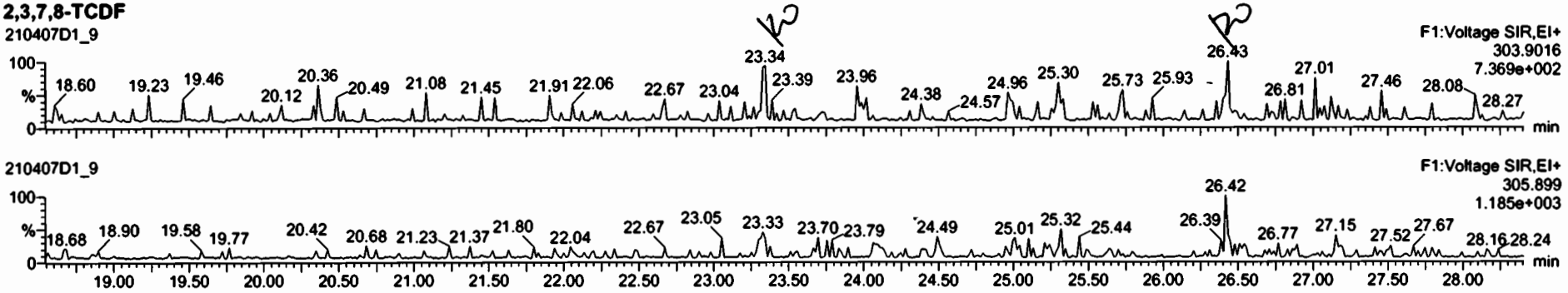
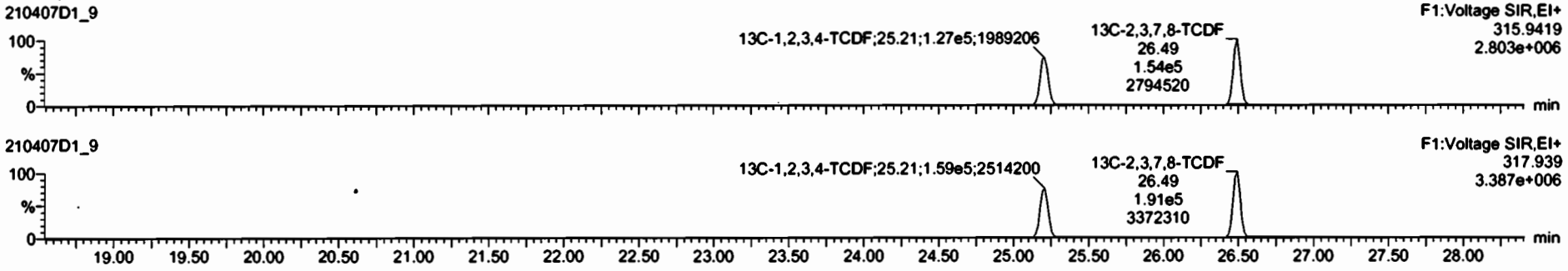
Name: 210407D1_9, Date: 07-Apr-2021, Time: 14:58:50, ID: 2103216-14 USMPDI-1064RAB-10-20-210311 14.28, Description: USMPDI-1064RAB-10-20-210311

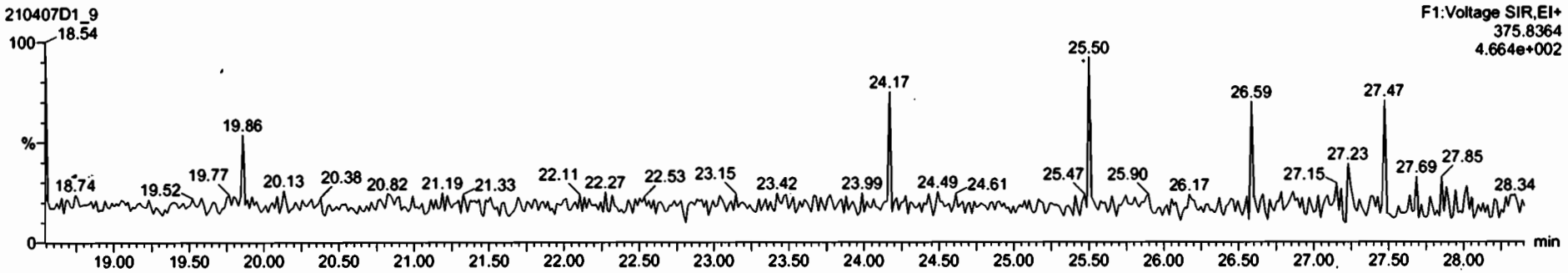
2,3,7,8-TCDF

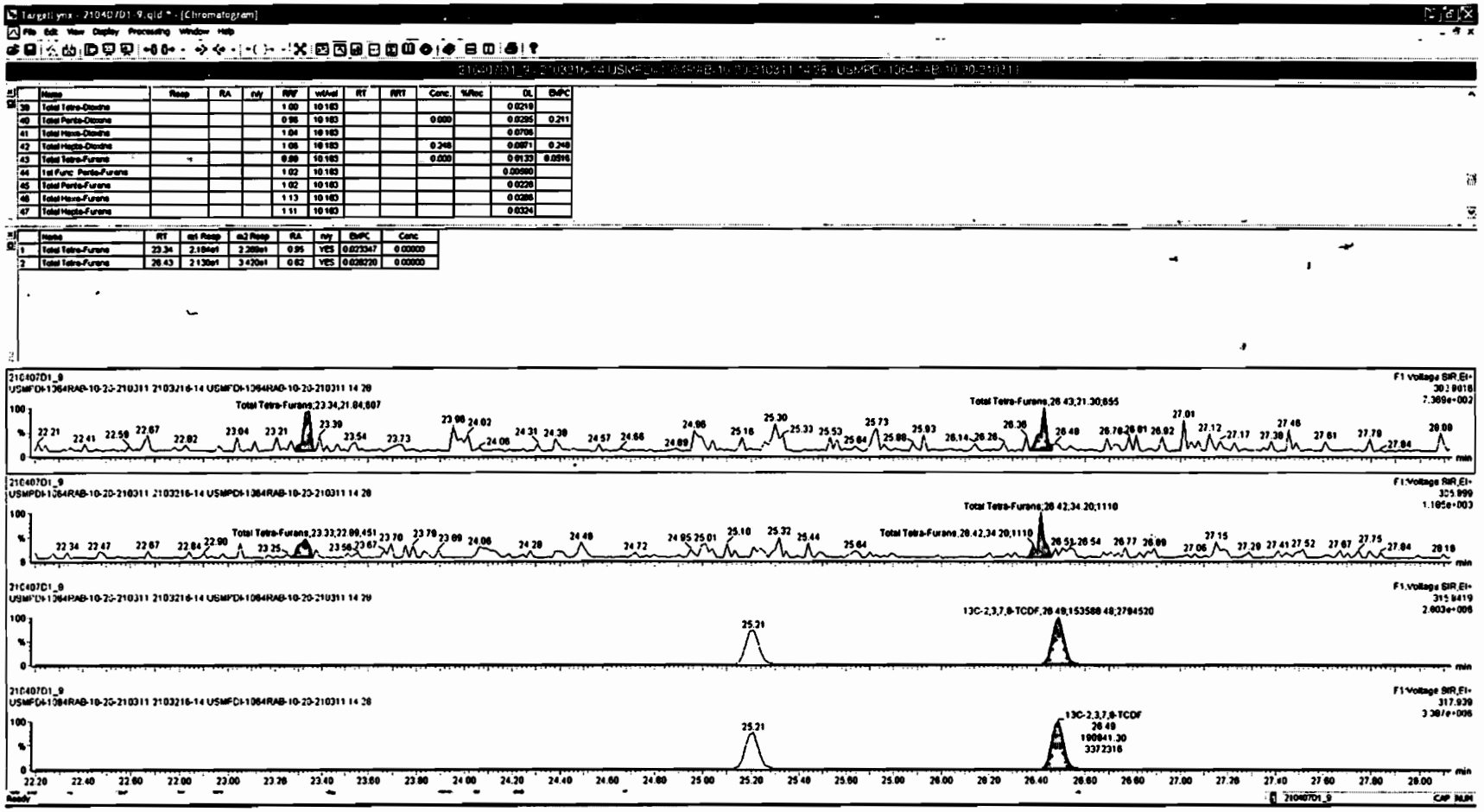


13C-2,3,7,8-TCDF



DPE1




TargetLynx - 210407D1_9.qld * - [Chromatogram]
File Edit View Display Processing Window Help
Total Tetra-Dioxins 1.00 10183 0.0219
Total Penta-Dioxins 0.98 10183 0.000 0.0295 0.211
Total Hexa-Dioxins 1.04 10183 0.0706
Total Hepta-Dioxins 1.08 10183 0.248 0.0071 0.248
Total Tetra-Furans 0.89 10183 0.000 0.0133 0.0316
1st Func Penta-Furans 1.02 10183 0.00690
Total Penta-Furans 1.02 10183 0.0220
Total Hexa-Furans 1.13 10183 0.0286
Total Hepta-Furans 1.11 10183 0.0324
Total Tetra-Furans 23.34 2.184e1 2.388e1 0.95 YES 0.073347 0.00000
Total Tetra-Furans 26.43 2.130e1 3.420e1 0.62 YES 0.026720 0.00000
210407D1_9
USMPD1-1364RAB-10-20-210311 2103216-14 USMPD1-1364RAB-10-20-210311 14 20
F1 Voltage SIR,EI+
Total Tetra-Furans,23.34,21.84,607
Total Tetra-Furans,26.43,21.30,855
F1:Voltage SIR,EI+
Total Tetra-Furans,23.33,22.99,451
Total Tetra-Furans,26.42,34.20,1110
F1:Voltage SIR,EI+
25.21
13C-2,3,7,8-TCDF,26.49,153588.48,2784520
F1:Voltage SIR,EI+
25.21
13C-2,3,7,8-TCDF
26.49
190941.30
3372316
Ready
CAP NUM

Dataset: Untitled

Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
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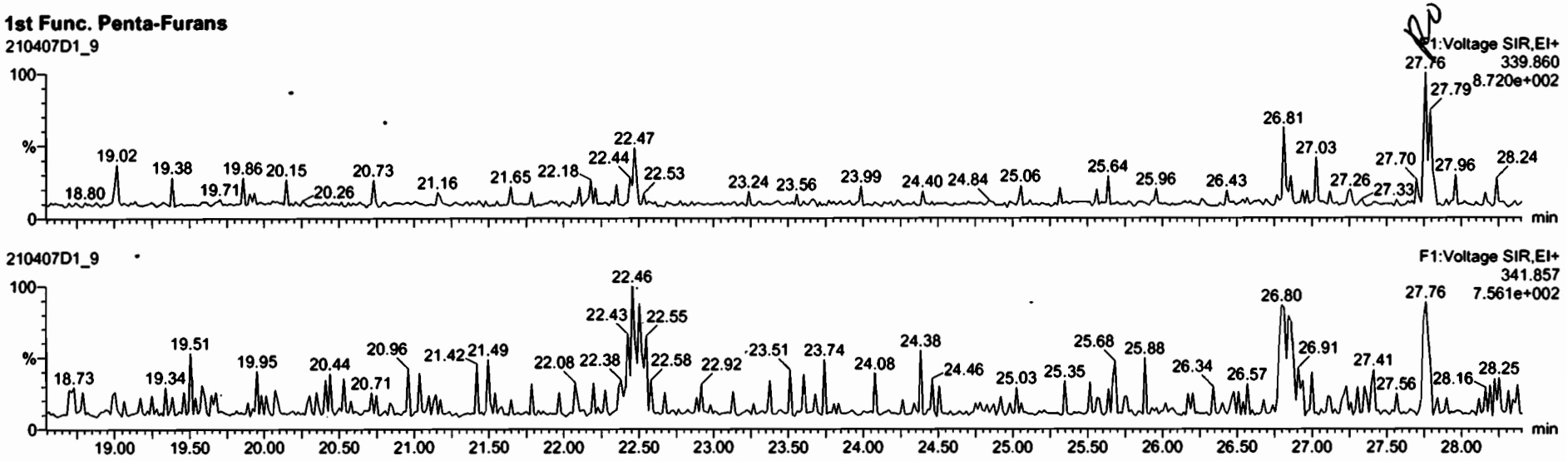
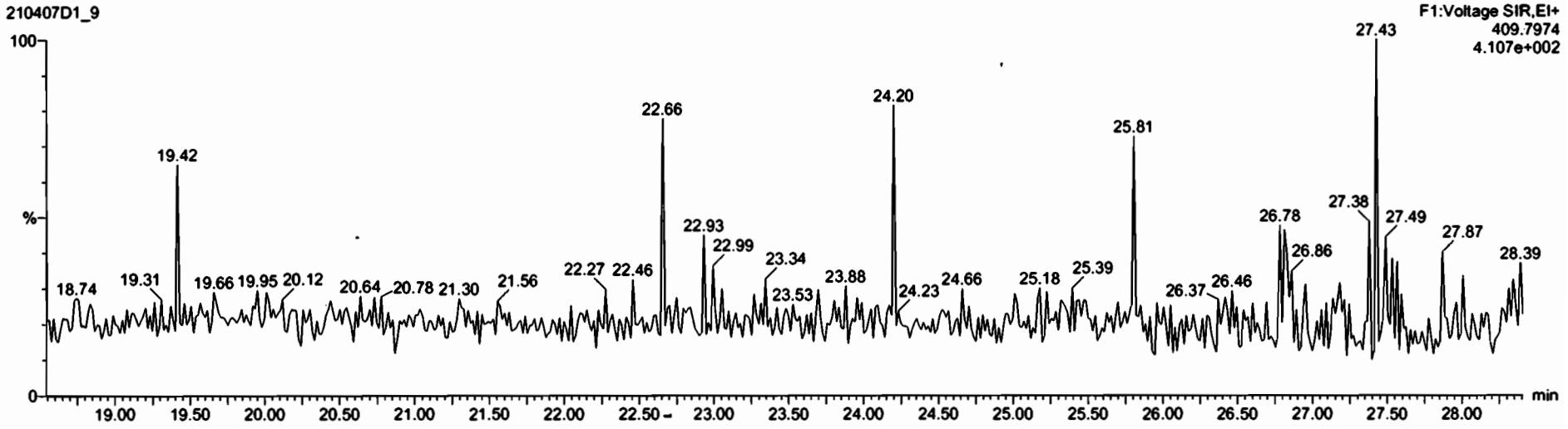
Name: 210407D1_9, Date: 07-Apr-2021, Time: 14:58:50, ID: 2103216-14 USMPDI-1064RAB-10-20-210311 14.28, Description: USMPDI-1064RAB-10-20-210311

1st Func. Penta-Furans



DPE6

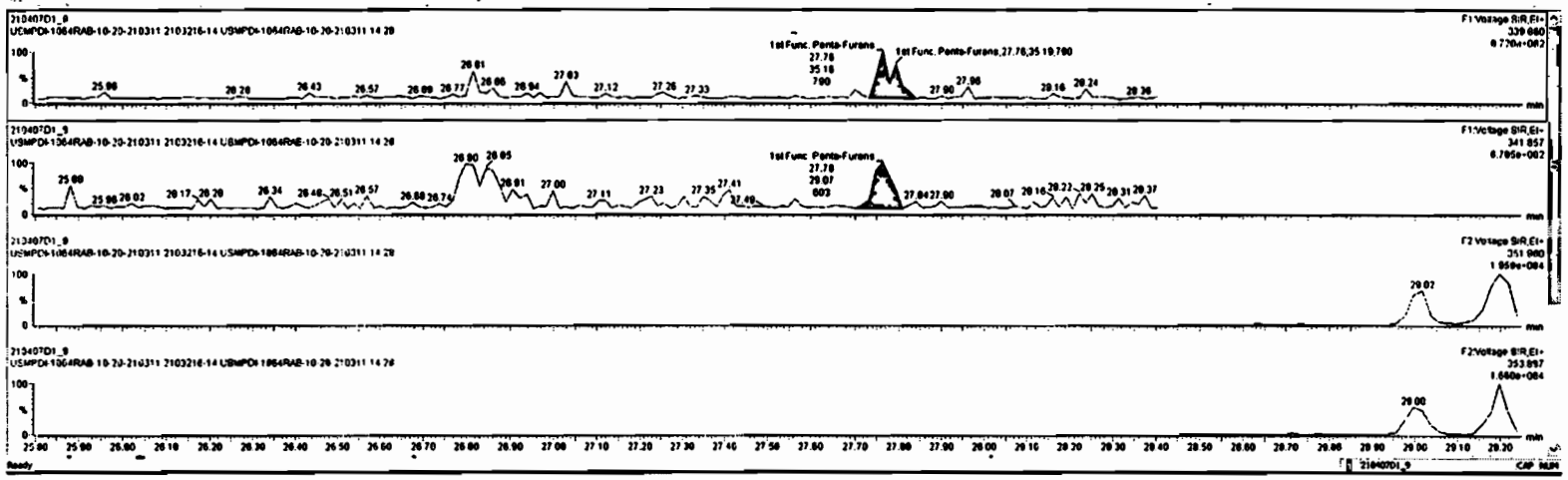


Targetlynx - 210407D1-9.qld * - [Chromatogram]

File Edit View Display Processing Window Help

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
39	Total Tetra-Dioxins				1.00	10 163					0.0219	
40	Total Penta-Dioxins				0.96	10 163			0.000		0.0295	0.211
41	Total Hexa-Dioxins				1.04	10 163					0.0786	
42	Total Hepta-Dioxins				1.06	10 163			0.248		0.0871	0.240
43	Total Tetra-Furans				0.99	10 163			0.000		0.0133	0.0516
44	1st Func. Penta-Furans				1.02	10 163			0.000		0.00680	0.0430
45	Total Penta-Furans				1.02	10 163					0.0228	
46	Total Hexa-Furans				1.13	10 163					0.0288	
47	Total Hepta-Furans				1.11	10 163					0.0324	

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	1st Func. Penta-Furans	27.76	3.519e1	2.907e1	1.21	YES	0.042971	0.00000



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Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
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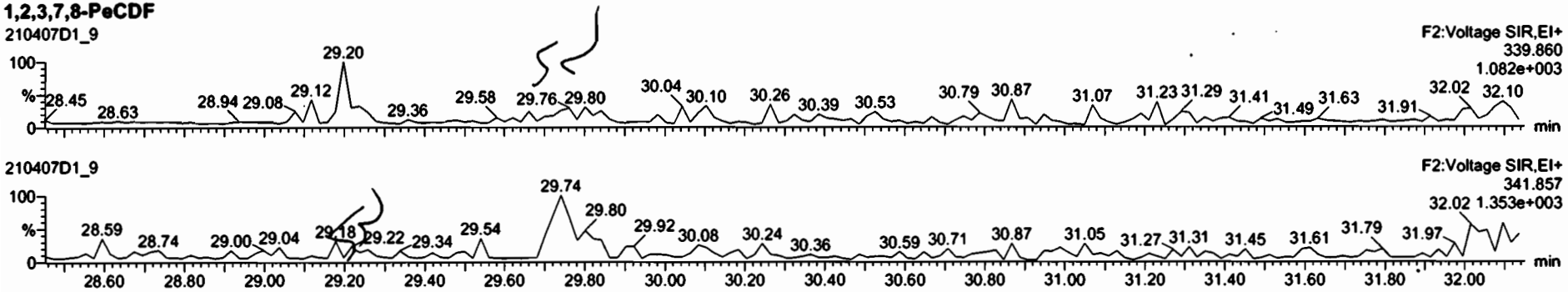
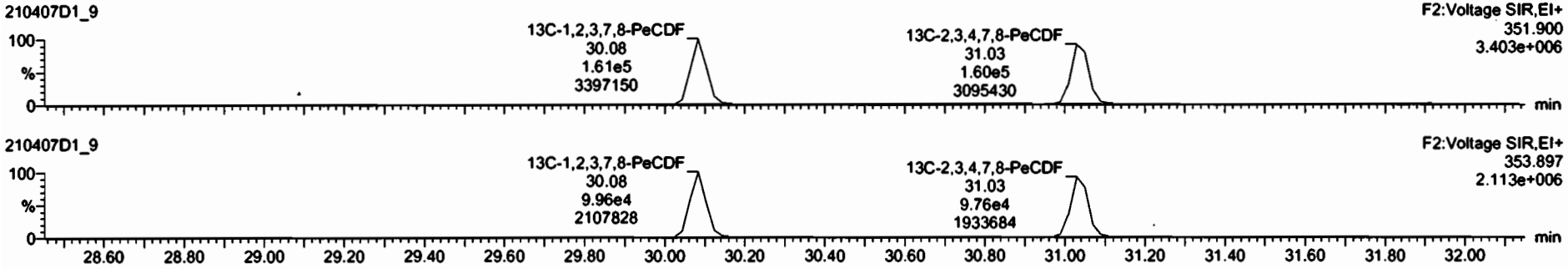
Name: 210407D1_9, Date: 07-Apr-2021, Time: 14:58:50, ID: 2103216-14 USMPDI-1064RAB-10-20-210311 14.28, Description: USMPDI-1064RAB-10-20-210311

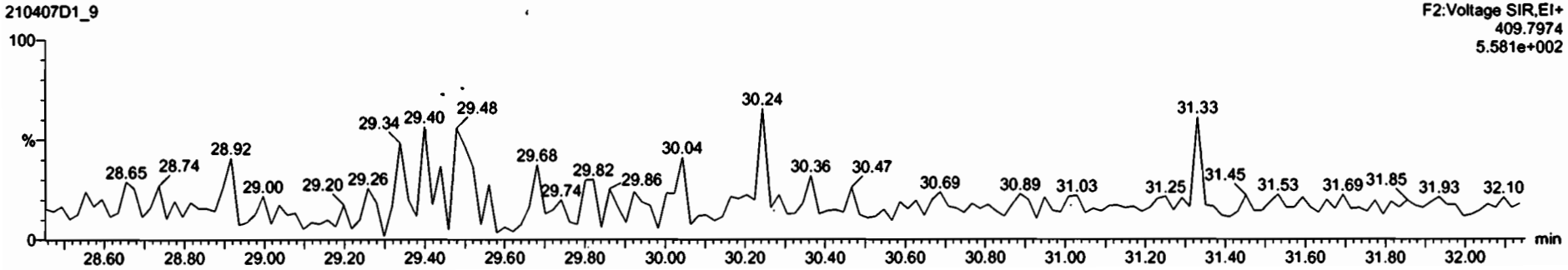
1,2,3,7,8-PeCDF



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



DPE2



Dataset: Untitled

Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
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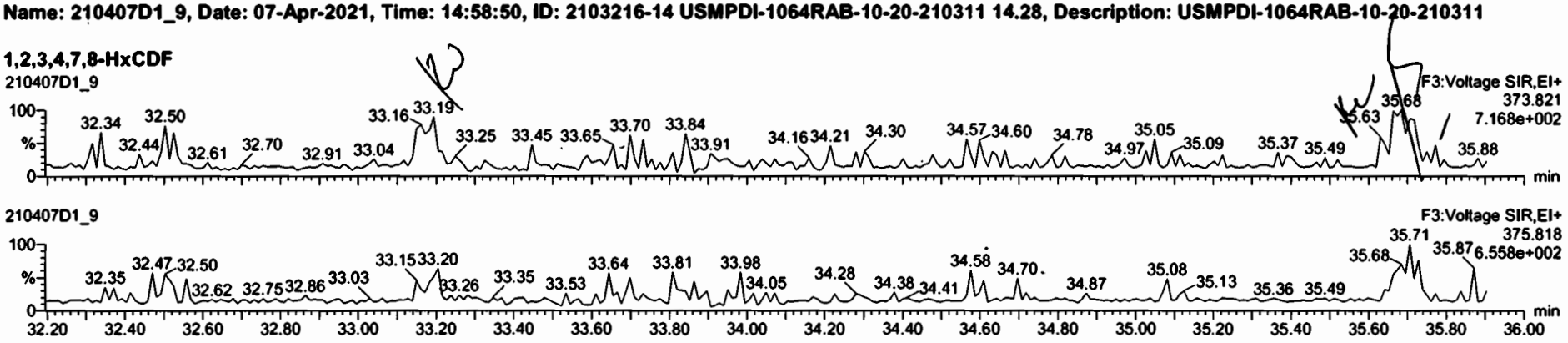
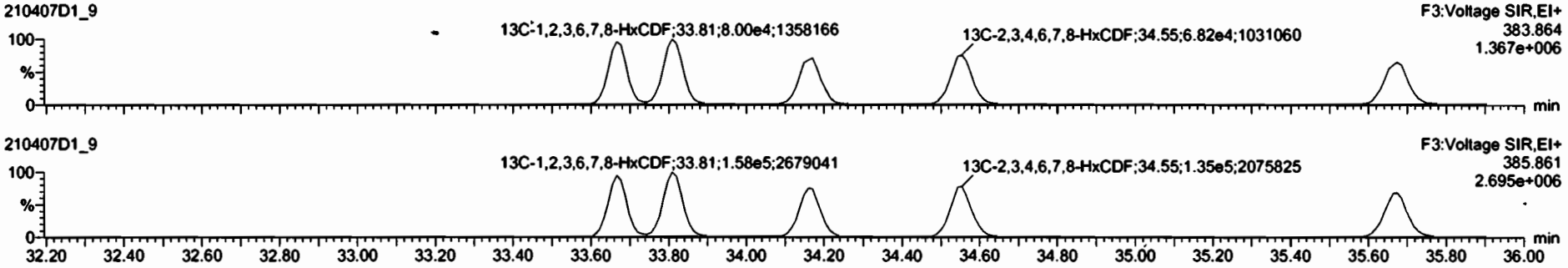
Name: 210407D1_9, Date: 07-Apr-2021, Time: 14:58:50, ID: 2103216-14 USMPDI-1064RAB-10-20-210311 14.28, Description: USMPDI-1064RAB-10-20-210311

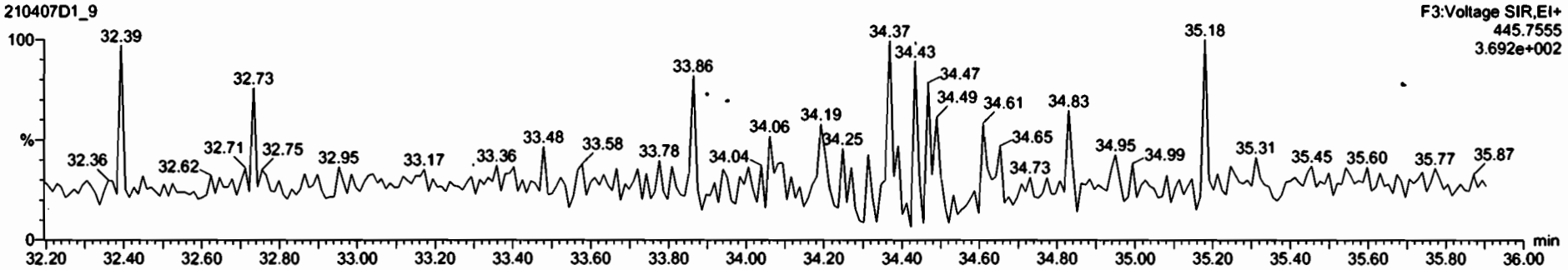
1,2,3,4,7,8-HxCDF

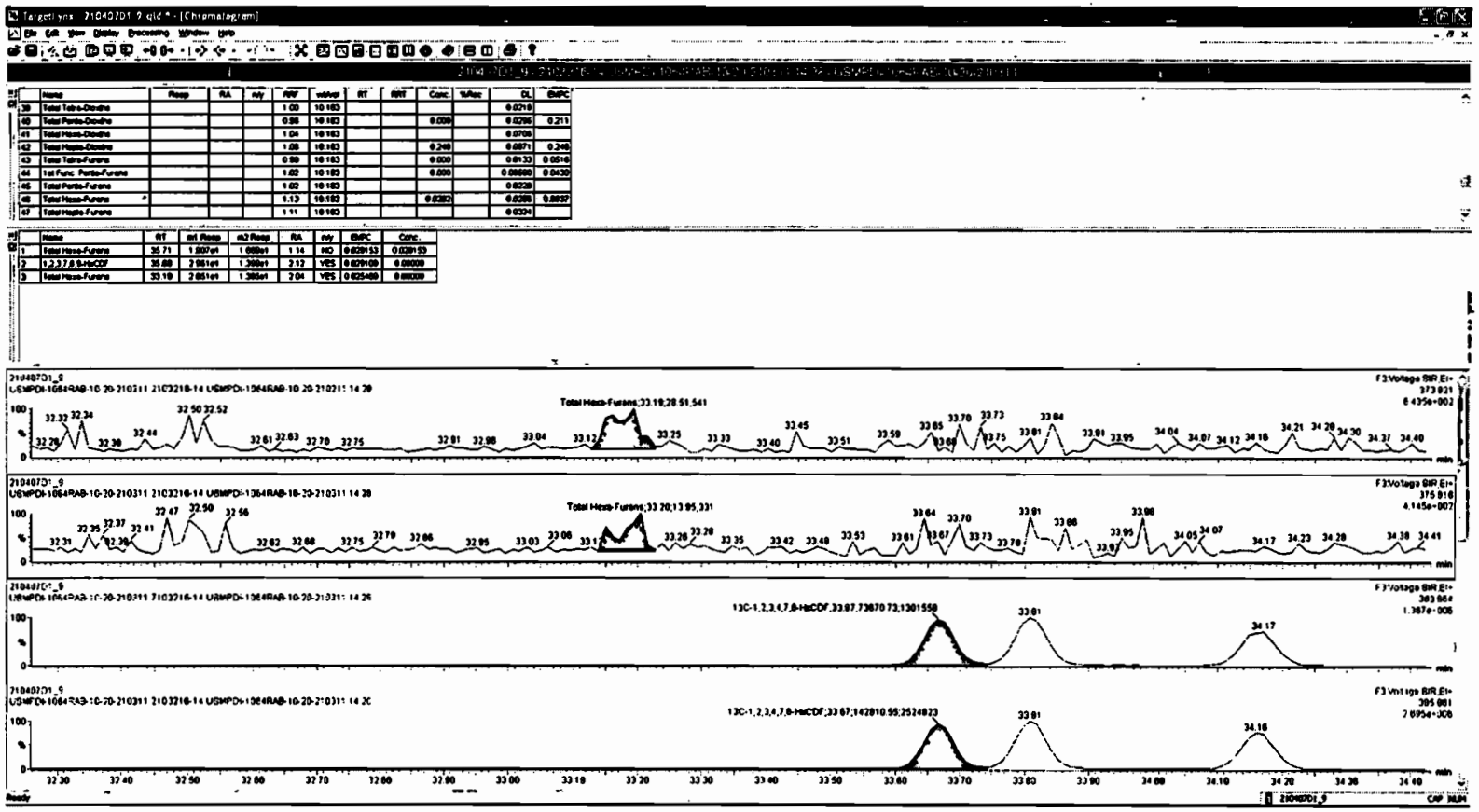


13C-1,2,3,4,7,8-HxCDF



DPE3



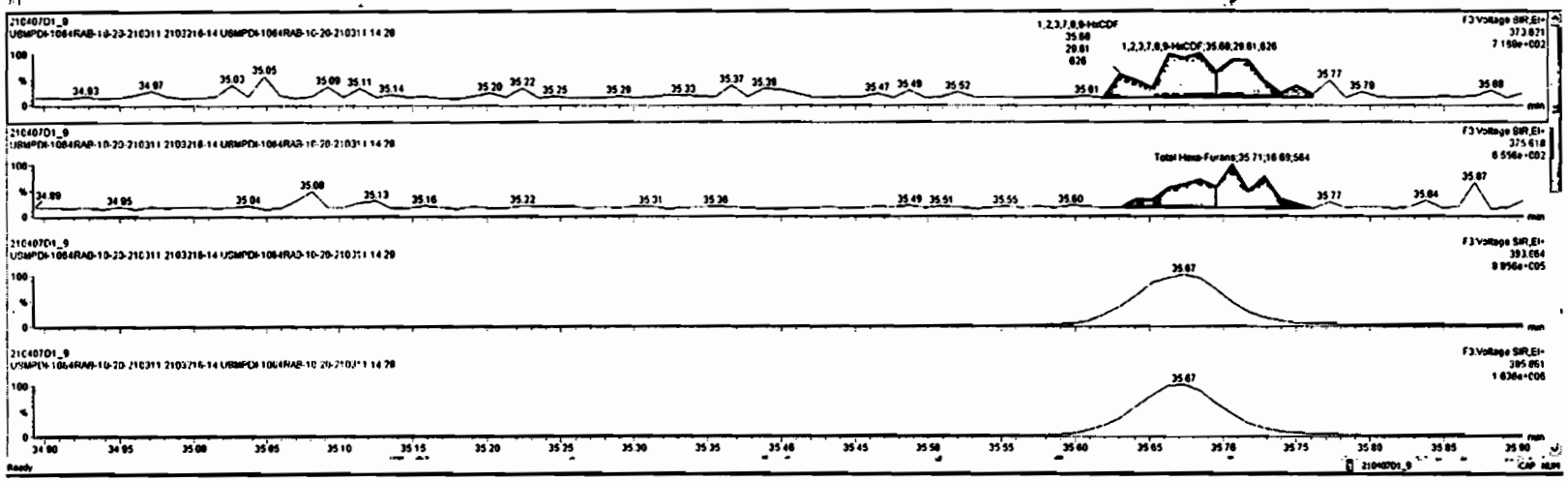

Total Hexa-Furans;33.19;28.51;541
Total Hexa-Furans;33.20;13.95;331
13C-1,2,3,4,7,8-HxCDF;33.87;73870.73;1301558
13C-1,2,3,4,7,8-HxCDF;33.87;142810.55;2524823

TargetLynx - 21040701_9.qld * [Chromatogram]

File Edit View Display Processing Window Help

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
39	Total Tetra-Dioxins				1.00	10.183					0.0219	
40	Total Penta-Dioxins				0.95	10.183			0.000		0.0295	0.211
41	Total Hexa-Dioxins				1.04	10.183					0.0708	
42	Total Hepta-Dioxins				1.06	10.183			0.248		0.0871	0.248
43	Total Tetra-Furans				0.99	10.183			0.000		0.0133	0.0516
44	1st Func. Penta-Furans				1.02	10.183			0.000		0.00590	0.0430
45	Total Penta-Furans				1.02	10.183					0.0228	
46	Total Hexa-Furans				1.13	10.183			0.0292		0.0288	0.0837
47	Total Hepta-Furans				1.11	10.183					0.0324	

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Hexa-Furans	33.19	2.851e1	1.395e1	2.04	YES	0.025489	0.00000
2	1,2,3,7,8,9-HxCDF	35.88	2.981e1	1.399e1	2.12	YES	0.029109	0.00000
3	Total Hexa-Furans	35.71	1.907e1	1.669e1	1.14	NO	0.029153	0.029153

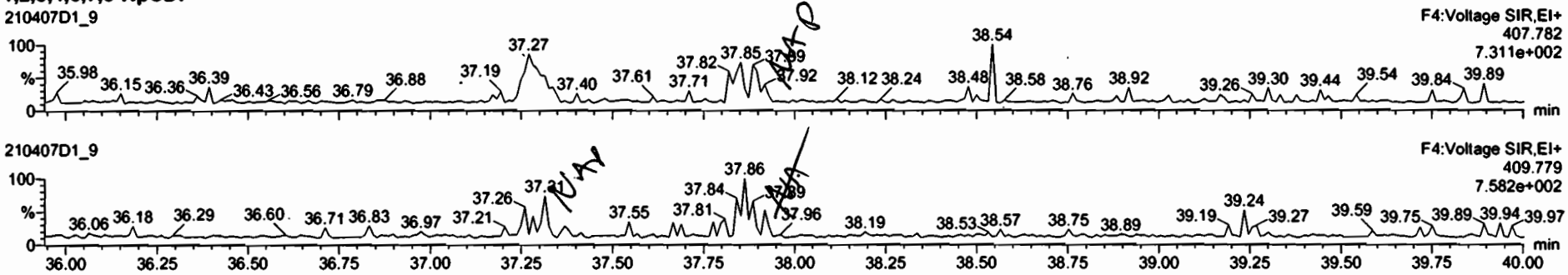


Dataset: Untitled

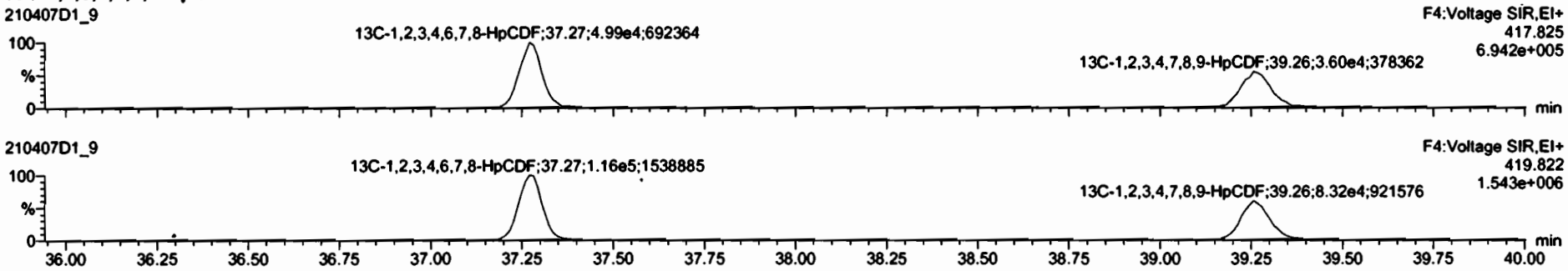
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_9, Date: 07-Apr-2021, Time: 14:58:50, ID: 2103216-14 USMPDI-1064RAB-10-20-210311 14.28, Description: USMPDI-1064RAB-10-20-210311

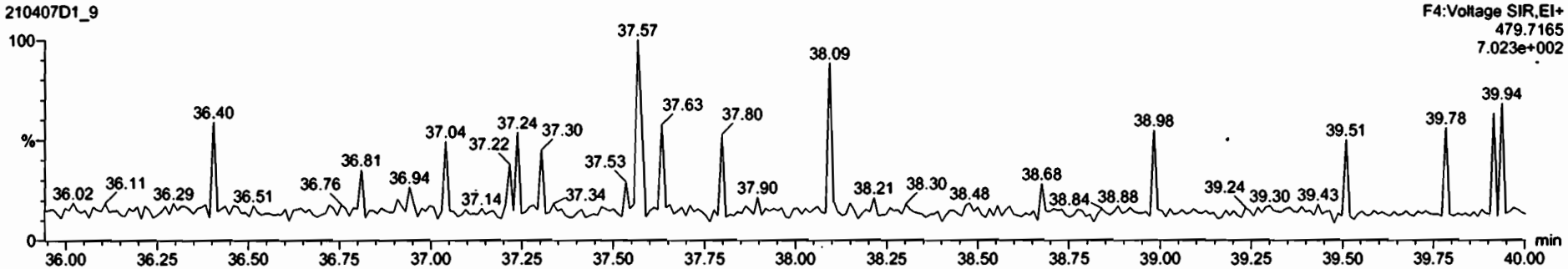
1,2,3,4,6,7,8-HpCDF



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



DPE4



Dataset: Untitled

Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
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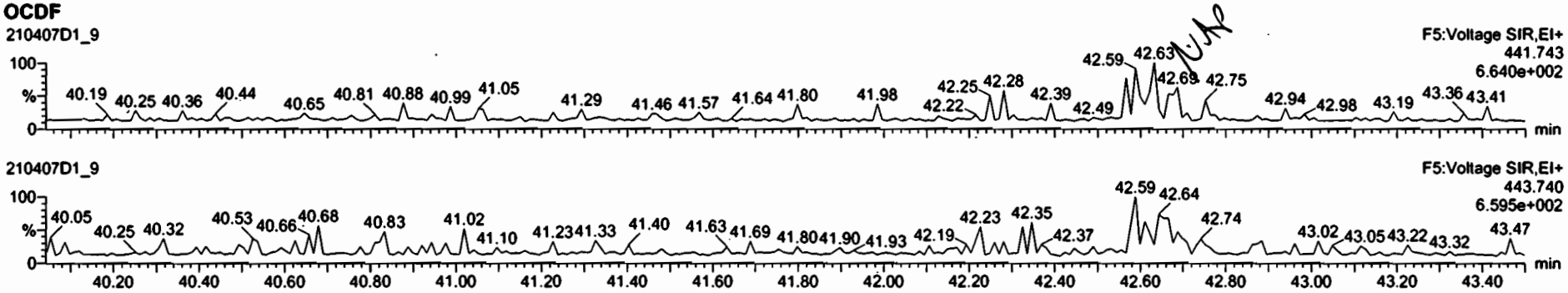
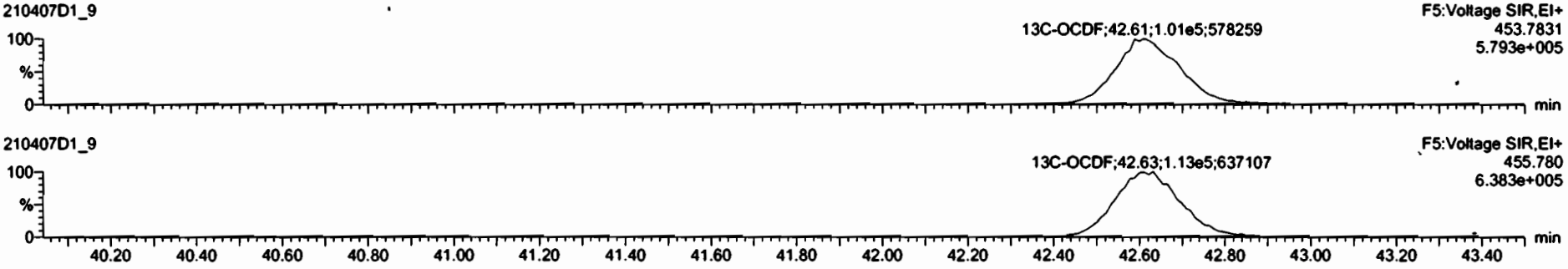
Name: 210407D1_9, Date: 07-Apr-2021, Time: 14:58:50, ID: 2103216-14 USMPDI-1064RAB-10-20-210311 14.28, Description: USMPDI-1064RAB-10-20-210311

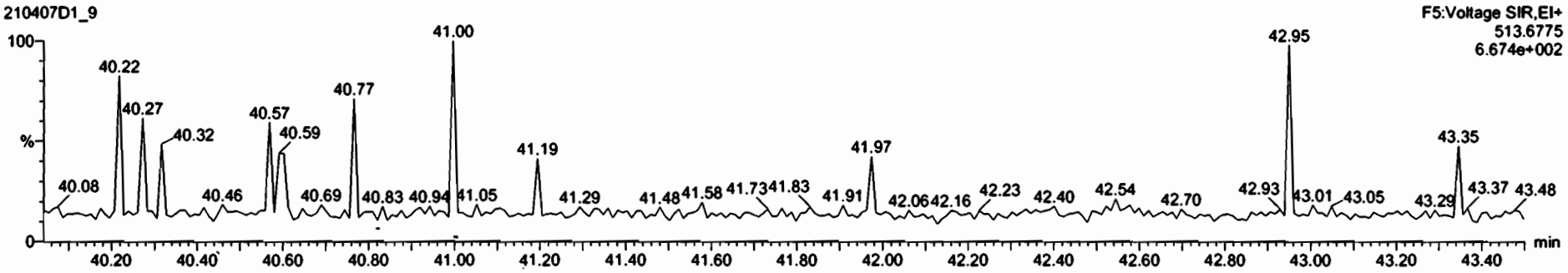
OCDF



13C-OCDF



DPE5

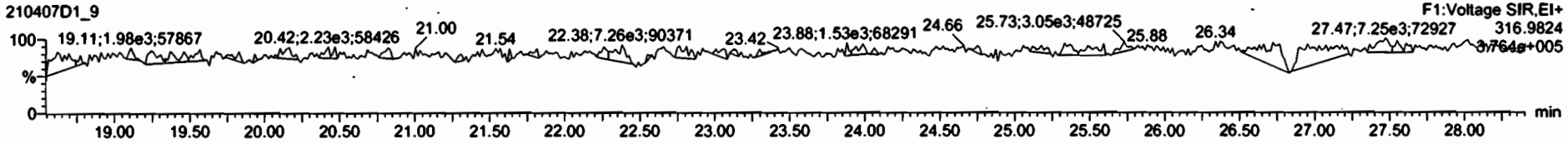


Dataset: Untitled

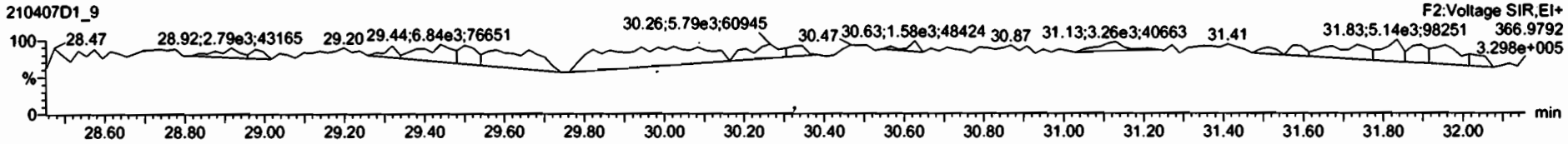
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_9, Date: 07-Apr-2021, Time: 14:58:50, ID: 2103216-14 USMPDI-1064RAB-10-20-210311 14.28, Description: USMPDI-1064RAB-10-20-210311

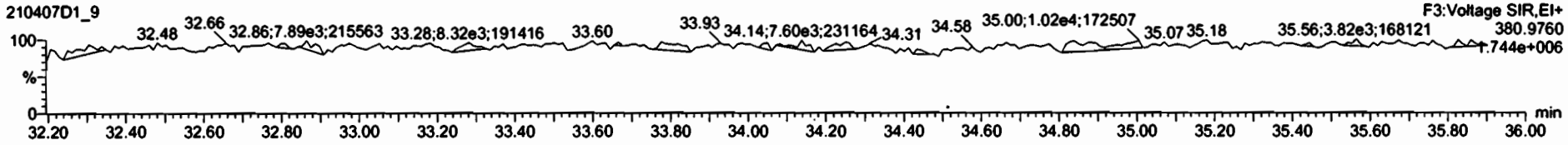
PFK1



PFK2



PFK3



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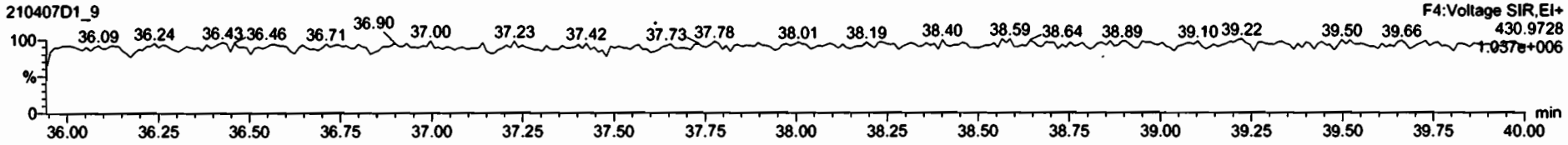

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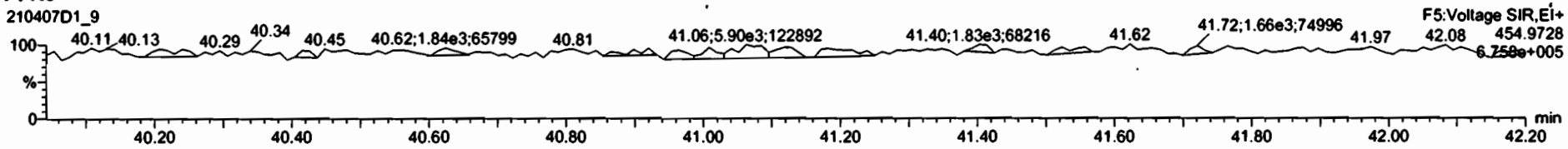


Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-10.qld

Last Altered: Saturday, April 17, 2021 11:35:10 Pacific Daylight Time
Printed: Saturday, April 17, 2021 11:35:33 Pacific Daylight Time

H 4.17.2021 CT 04/21/2021

Method: Untitled 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210407D1_10, Date: 07-Apr-2021, Time: 15:45:30, ID: 2103216-15 USMPDI-066RAB-00-10-210315 11.37, Description: USMPDI-066RAB-00-10-210315, Task: ST210407D1-1

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD			NO	0.998	10.254					0.0348	
2	1,2,3,7,8-PeCDD			NO	0.961	10.254					0.0653	
3	1,2,3,4,7,8-HxCDD			NO	1.18	10.254					0.171	
4	1,2,3,6,7,8-HxCDD			NO	1.04	10.254					0.181	
5	1,2,3,7,8,9-HxCDD			NO	1.06	10.254					0.162	
6	1,2,3,4,6,7,8-HpCDD	3.38e2	1.11	NO	1.06	10.254	38.57	1.001	0.51470		0.275	0.515
7	OCDD	1.42e3	0.93	NO	0.977	10.254	42.25	1.001	3.5908		0.675	3.59
8	2,3,7,8-TCDF			NO	0.989	10.254					0.0360	
9	1,2,3,7,8-PeCDF			NO	1.02	10.254					0.0422	
10	2,3,4,7,8-PeCDF			NO	1.17	10.254					0.0427	
11	1,2,3,4,7,8-HxCDF			NO	1.14	10.254					0.0497	
12	1,2,3,6,7,8-HxCDF			NO	1.04	10.254					0.0529	
13	2,3,4,6,7,8-HxCDF			NO	1.13	10.254					0.0603	
14	1,2,3,7,8,9-HxCDF	5.76e1	0.96	YES	1.07	10.254	35.73	1.001	0.051144		0.0357	0.0452
15	1,2,3,4,6,7,8-HpCDF			NO	1.11	10.254					0.0634	
16	1,2,3,4,7,8,9-HpCDF			NO	1.32	10.254					0.0913	
17	OCDF			NO	0.931	10.254					0.187	
18	13C-2,3,7,8-TCDD	2.51e5	0.84	NO	1.20	10.254	27.08	1.025	216.26	111	0.281	
19	13C-1,2,3,7,8-PeCDD	1.78e5	0.62	NO	0.864	10.254	31.21	1.181	213.47	109	0.291	
20	13C-1,2,3,4,7,8-HxCDD	1.35e5	1.31	NO	0.600	10.254	34.69	1.015	210.42	108	0.570	
21	13C-1,2,3,6,7,8-HxCDD	1.53e5	1.29	NO	0.674	10.254	34.83	1.019	212.02	109	0.507	
22	13C-1,2,3,7,8,9-HxCDD	1.58e5	1.23	NO	0.679	10.254	35.14	1.028	217.57	112	0.504	
23	13C-1,2,3,4,6,7,8-HpCDD	1.21e5	1.06	NO	0.558	10.254	38.54	1.128	202.33	104	1.04	
24	13C-OCDD	1.58e5	0.93	NO	0.496	10.254	42.23	1.236	296.85	76.1	0.529	
25	13C-2,3,7,8-TCDF	3.30e5	0.76	NO	1.03	10.254	26.49	1.003	204.61	105	0.271	
26	13C-1,2,3,7,8-PeCDF	2.76e5	1.60	NO	0.805	10.254	30.08	1.139	217.41	111	0.434	
27	13C-2,3,4,7,8-PeCDF	2.60e5	1.63	NO	0.748	10.254	31.05	1.175	220.77	113	0.467	
28	13C-1,2,3,4,7,8-HxCDF	2.22e5	0.51	NO	0.968	10.254	33.69	0.986	214.24	110	0.953	
29	13C-1,2,3,6,7,8-HxCDF	2.45e5	0.51	NO	1.08	10.254	33.83	0.990	211.12	108	0.851	
30	13C-2,3,4,6,7,8-HxCDF	2.02e5	0.52	NO	0.960	10.254	34.56	1.012	196.80	101	0.961	

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-10.qld

Last Altered: Saturday, April 17, 2021 11:35:10 Pacific Daylight Time
Printed: Saturday, April 17, 2021 11:35:33 Pacific Daylight Time

Name: 210407D1_10, Date: 07-Apr-2021, Time: 15:45:30, ID: 2103216-15 USMPDI-066RAB-00-10-210315 11.37, Description: USMPDI-066RAB-00-10-210315, Task: ST210407D1-1

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	2.05e5	0.51	NO	0.869	10.254	35.70	1.045	219.97	113	1.06	
32	13C-1,2,3,4,6,7,8-HpCDF	1.68e5	0.40	NO	0.794	10.254	37.30	1.092	197.24	101	0.822	
33	13C-1,2,3,4,7,8,9-HpCDF	1.22e5	0.42	NO	0.586	10.254	39.30	1.150	194.51	99.7	1.11	
34	13C-OCDF	2.27e5	0.91	NO	0.711	10.254	42.53	1.245	298.91	76.6	0.349	
35	37Cl-2,3,7,8-TCDD	9.53e4			1.11	10.254	27.09	1.025	89.327	114	0.0456	
36	13C-1,2,3,4-TCDD	1.88e5	0.78	NO	1.00	10.254	26.42	1.000	195.04	100	0.338	
37	13C-1,2,3,4-TCDF	3.07e5	0.84	NO	1.00	10.254	25.21	1.000	195.04	100	0.278	
38	13C-1,2,3,4,6,9-HxCDF	2.09e5	0.51	NO	1.00	10.254	34.17	1.000	195.04	100	0.923	
39	Total Tetra-Dioxins				0.998	10.254					0.0214	
40	Total Penta-Dioxins				0.961	10.254			0.00000		0.0445	0.173
41	Total Hexa-Dioxins				1.04	10.254			0.19778		0.0864	0.198
42	Total Hepta-Dioxins				1.06	10.254			1.1586		0.275	1.16
43	Total Tetra-Furans				0.989	10.254			0.00000		0.0176	0.139
44	1st Func. Penta-Furans				1.02	10.254			0.00000		0.00682	0.237
45	Total Penta-Furans				1.02	10.254			0.13508		0.0235	0.203
46	Total Hexa-Furans				1.13	10.254			0.13243		0.0279	0.250
47	Total Hepta-Furans				1.11	10.254					0.0517	

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-10.qld

Last Altered: Saturday, April 17, 2021 11:35:10 Pacific Daylight Time
Printed: Saturday, April 17, 2021 11:35:33 Pacific Daylight Time

Method: Untitled 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210407D1_10, Date: 07-Apr-2021, Time: 15:45:30, ID: 2103216-15 USMPDI-066RAB-00-10-210315 11.37, Description: USMPDI-066RAB-00-10-210315, Task: ST210407D1-1

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	29.74	8.190e2	3.709e3	5.870e1	2.652e2	0.22	YES	0.000e0	0.00000	0.17332	0.0653

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hexa-Dioxins	32.92	1.605e3	1.054e3	9.160e1	6.520e1	1.40	NO	1.568e2	0.19778	0.19778	0.0864

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hepta-Dioxins	37.64	2.617e3	2.542e3	2.111e2	2.117e2	1.00	NO	4.228e2	0.64389	0.64389	0.275
2	1,2,3,4,6,7,8-HpCDD	38.57	1.798e3	2.055e3	1.782e2	1.598e2	1.11	NO	3.380e2	0.51470	0.51470	0.275

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Tetra-Furans	23.33	9.150e2	1.812e3	5.850e1	1.044e2	0.56	YES	0.000e0	0.00000	0.080208	0.0360
2	Total Tetra-Furans	25.30	7.650e2	6.080e2	2.536e1	4.306e1	0.59	YES	0.000e0	0.00000	0.034771	0.0176
3	Total Tetra-Furans	26.45	5.320e2	5.590e2	2.806e1	2.283e1	1.23	YES	0.000e0	0.00000	0.024099	0.0360

Penta-Furans function 1

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	1st Func. Penta-Furans	27.76	3.977e3	2.815e3	2.415e2	1.303e2	1.85	YES	0.000e0	0.00000	0.23672	0.0247

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-10.qld

Last Altered: Saturday, April 17, 2021 11:35:10 Pacific Daylight Time
Printed: Saturday, April 17, 2021 11:35:33 Pacific Daylight Time

Name: 210407D1_10, Date: 07-Apr-2021, Time: 15:45:30, ID: 2103216-15 USMPDI-066RAB-00-10-210315 11.37, Description: USMPDI-066RAB-00-10-210315, Task: ST210407D1-1

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Penta-Furans	29.22	1.274e3	1.049e3	1.093e2	8.040e1	1.36	NO	1.897e2	0.13508	0.13508	0.0235
2	Total Penta-Furans	29.76	1.110e3	1.756e3	5.823e1	1.111e2	0.52	YES	0.000e0	0.00000	0.068236	0.0235

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hexa-Furans	32.50	1.897e3	1.219e3	8.862e1	7.869e1	1.13	NO	1.673e2	0.13243	0.13243	0.0279
2	Total Hexa-Furans	33.17	1.349e3	8.780e2	7.673e1	4.090e1	1.88	YES	0.000e0	0.00000	0.072519	0.0279
3	1,2,3,7,8,9-HxCDF	35.73	6.880e2	6.750e2	2.820e1	2.945e1	0.96	YES	5.765e1	0.00000	0.045195	0.0357

Hepta-Furans

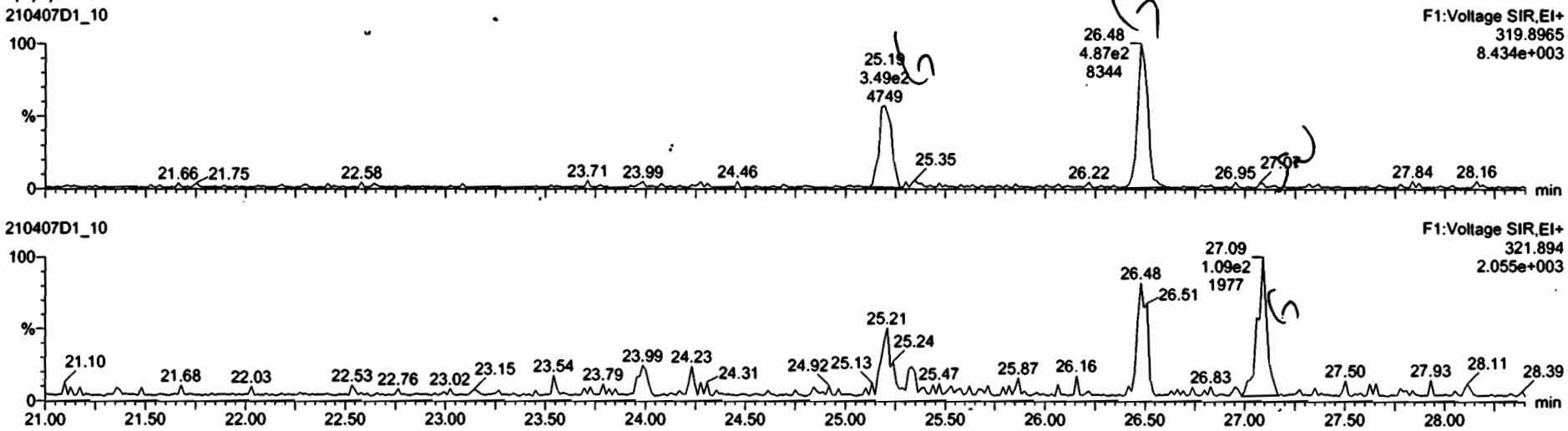
	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1												

Dataset: Untitled

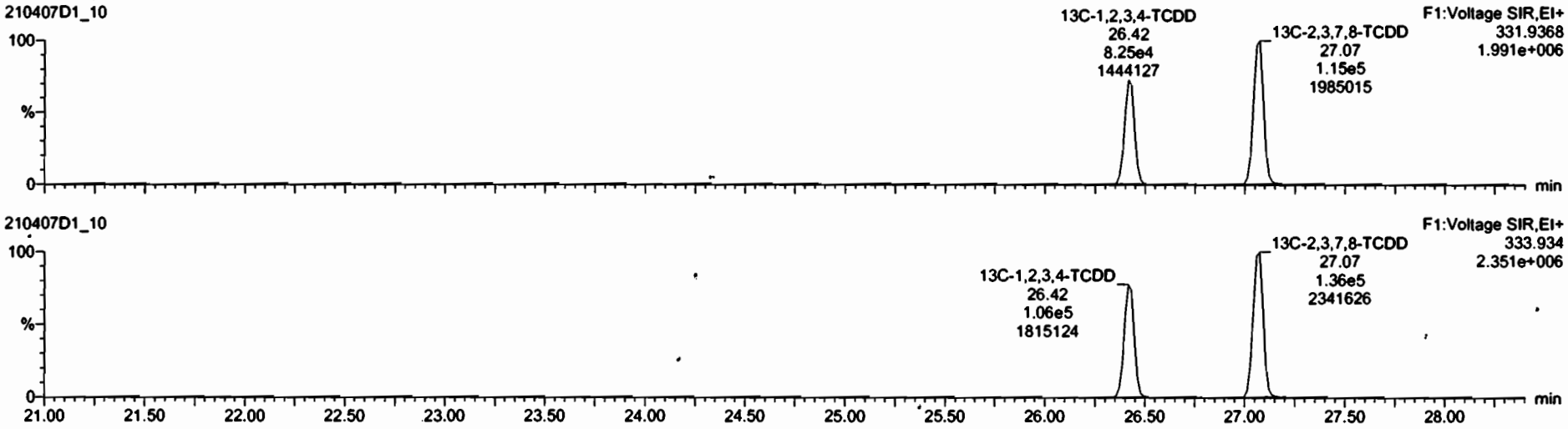
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_10, Date: 07-Apr-2021, Time: 15:45:30, ID: 2103216-15 USMPDI-066RAB-00-10-210315 11.37, Description: USMPDI-066RAB-00-10-210315

2,3,7,8-TCDD



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



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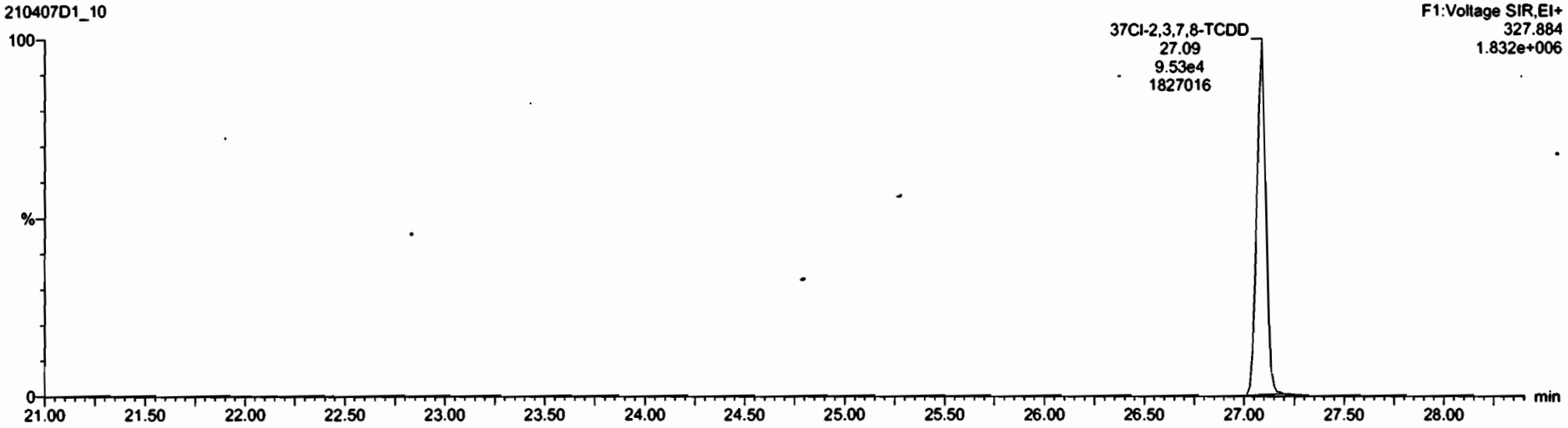
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_10, Date: 07-Apr-2021, Time: 15:45:30, ID: 2103216-15 USMPDI-066RAB-00-10-210315 11.37, Description: USMPDI-066RAB-00-10-210315

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



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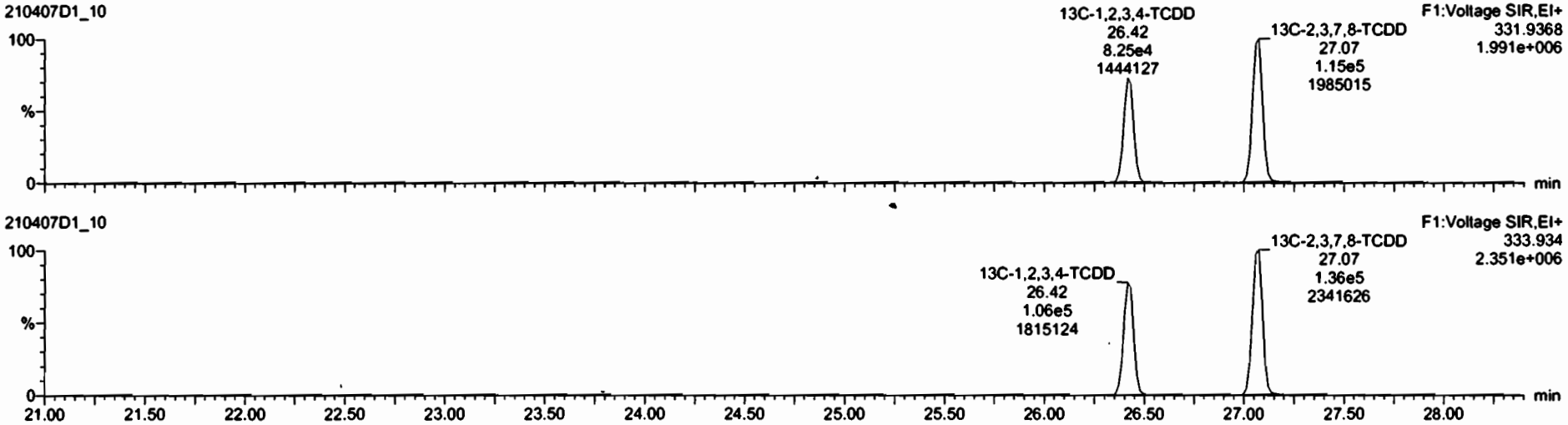

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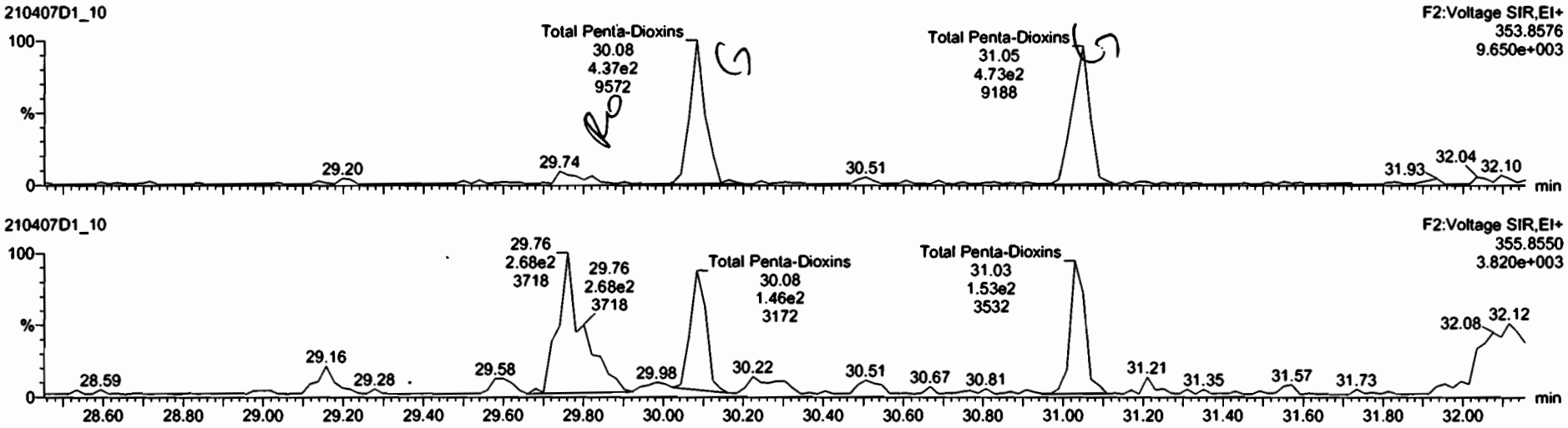
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_10, Date: 07-Apr-2021, Time: 15:45:30, ID: 2103216-15 USMPDI-066RAB-00-10-210315 11.37, Description: USMPDI-066RAB-00-10-210315

1,2,3,7,8-PeCDD



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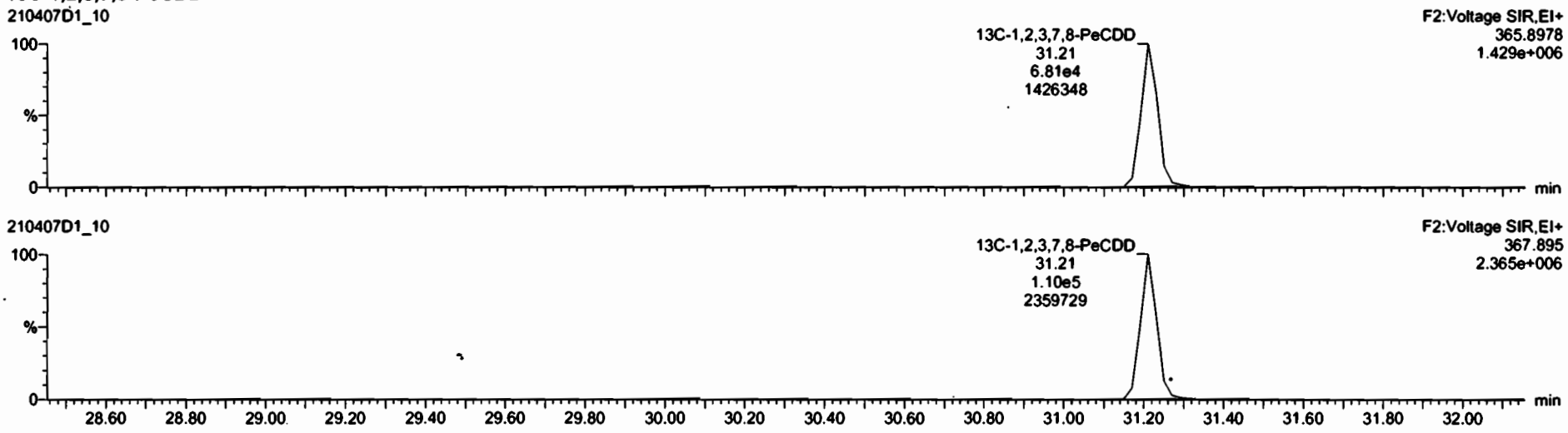

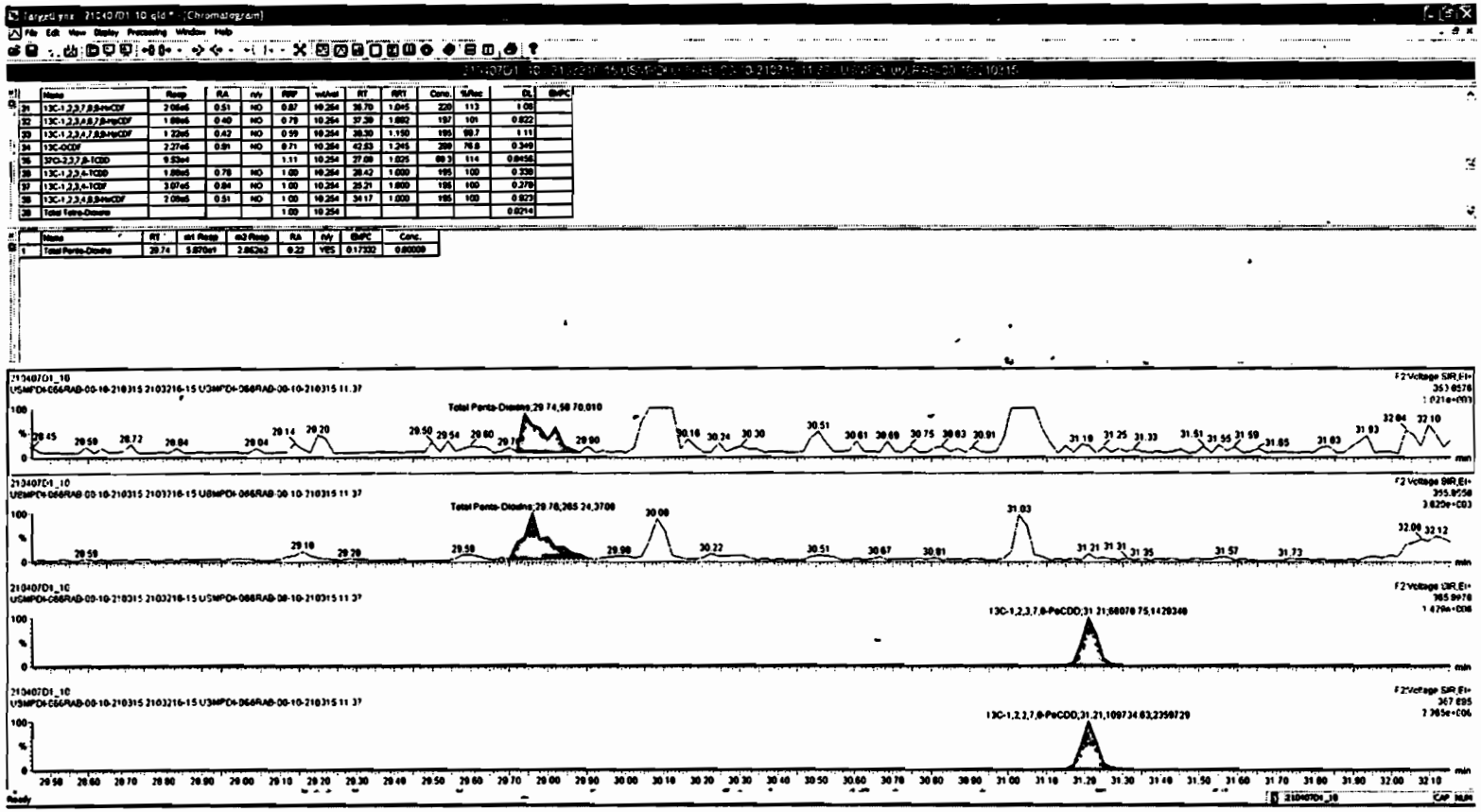
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Total Penta-Dioxins;29.76,265.24,3700
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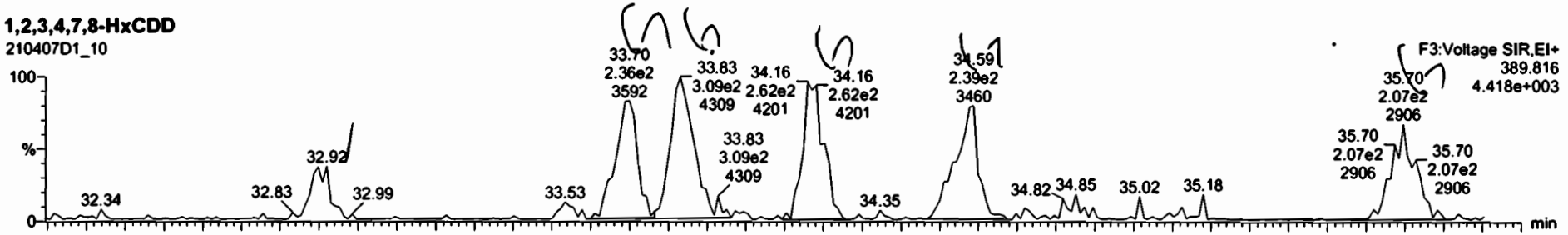
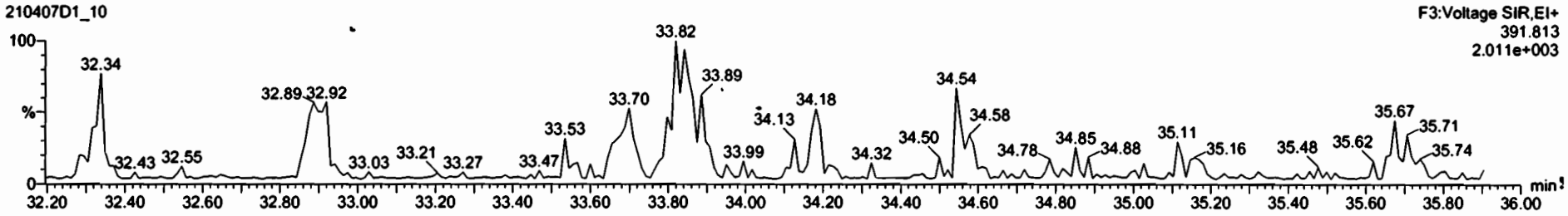
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

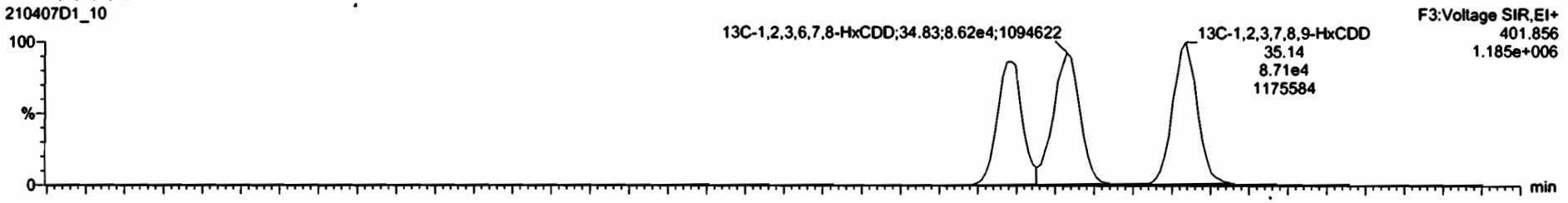
Name: 210407D1_10, Date: 07-Apr-2021, Time: 15:45:30, ID: 2103216-15 USMPDI-066RAB-00-10-210315 11.37, Description: USMPDI-066RAB-00-10-210315

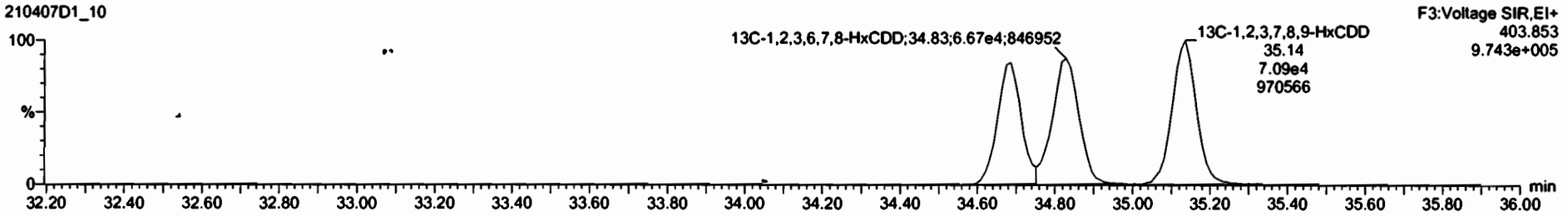
1,2,3,4,7,8-HxCDD

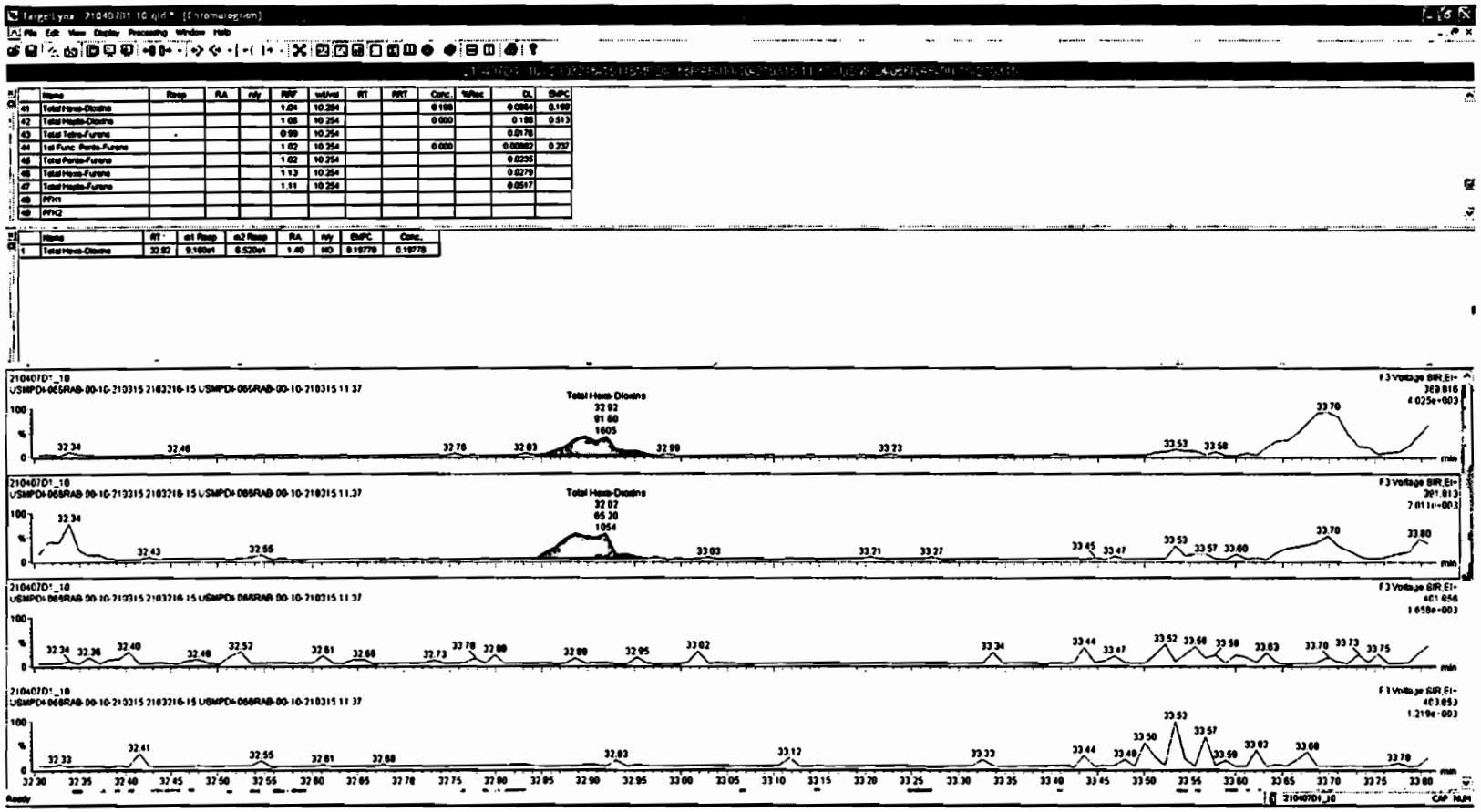




13C-1,2,3,4,7,8-HxCDD



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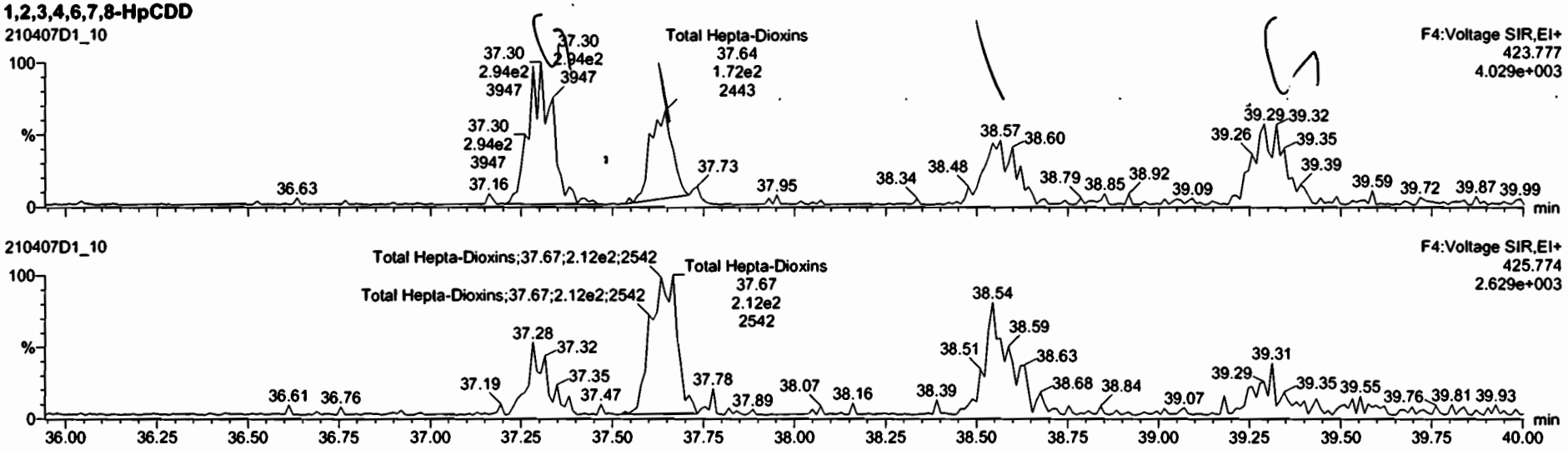
32.92
91.60
1605
Total Hepta-Dioxins
32.07
65.20
1054

Dataset: Untitled

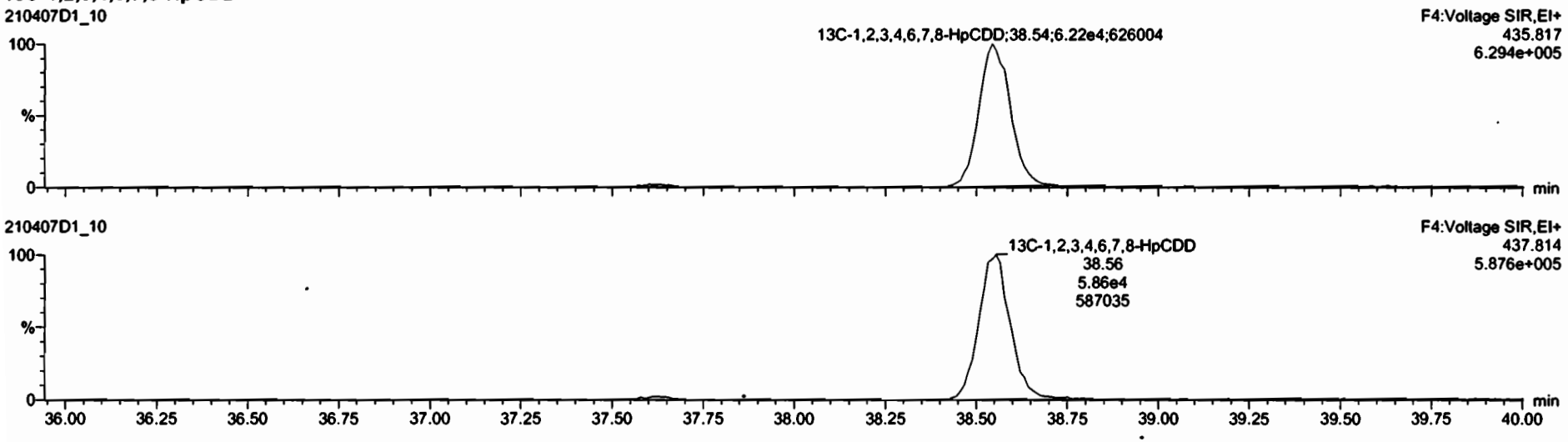
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

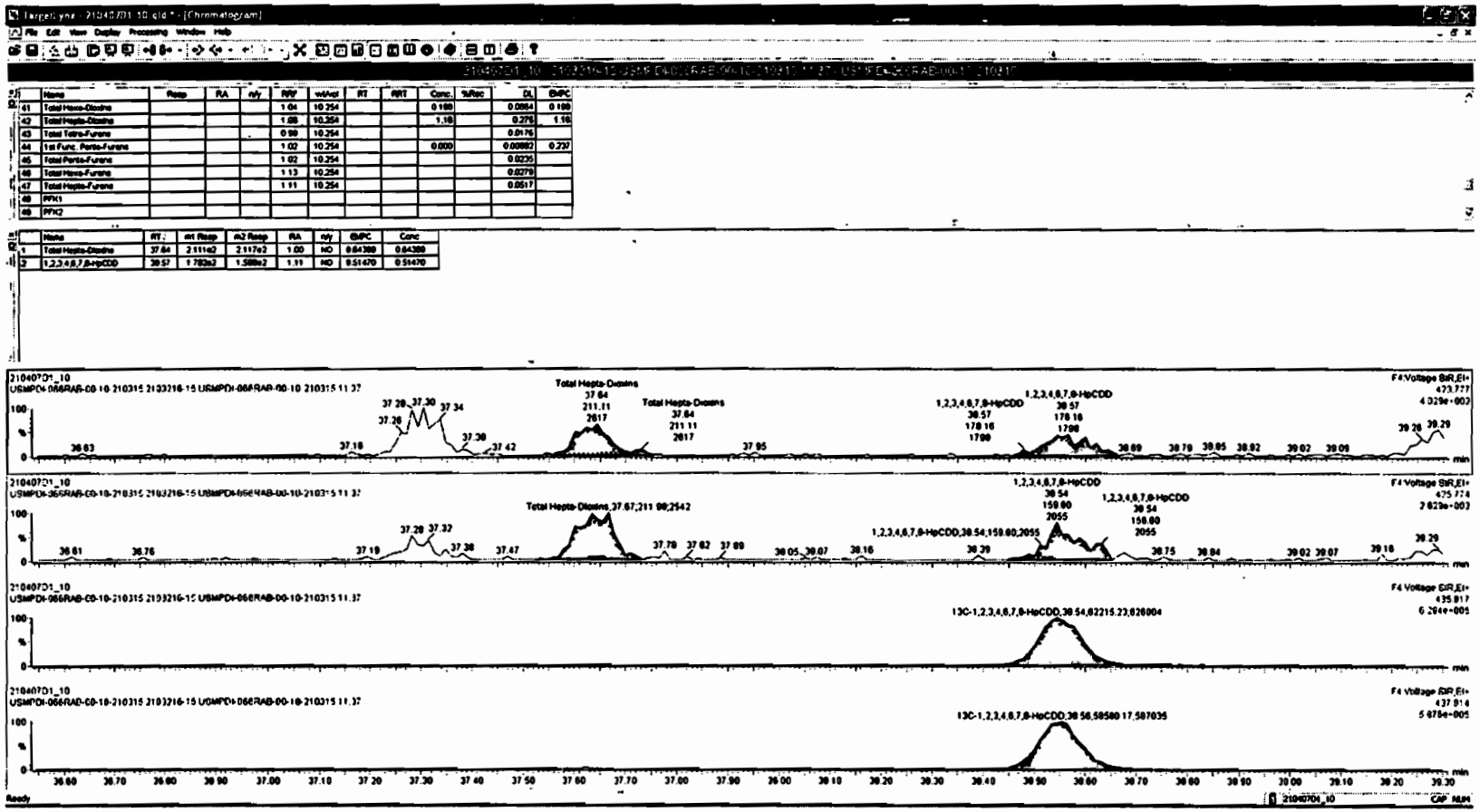
Name: 210407D1_10, Date: 07-Apr-2021, Time: 15:45:30, ID: 2103216-15 USMPDI-066RAB-00-10-210315 11.37, Description: USMPDI-066RAB-00-10-210315

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



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





	Name	Resp	RA	rdy	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
41	Total Hexa-Dioxins				1.04	10.254			0.189		0.0884	0.189
42	Total Hepta-Dioxins				1.08	10.254			1.16		0.275	1.16
43	Total Tetra-Furans				0.99	10.254					0.0176	
44	Tot Func. Penta-Furans				1.02	10.254			0.000		0.00882	0.237
45	Total Penta-Furans				1.02	10.254					0.0235	
46	Total Hexa-Furans				1.13	10.254					0.0279	
47	Total Hepta-Furans				1.11	10.254					0.0517	
48	PPH1											
49	PPH2											

	Name	RT	m1 Resp	m2 Resp	RA	rdy	EMPC	Conc
1	Total Hepta-Dioxins	37.64	2.111e2	2.117e2	1.00	NO	0.84388	0.84388
2	1,2,3,4,6,7,8-HpCDD	38.57	1.782e2	1.588e2	1.11	NO	0.51470	0.51470

Dataset: Untitled

Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
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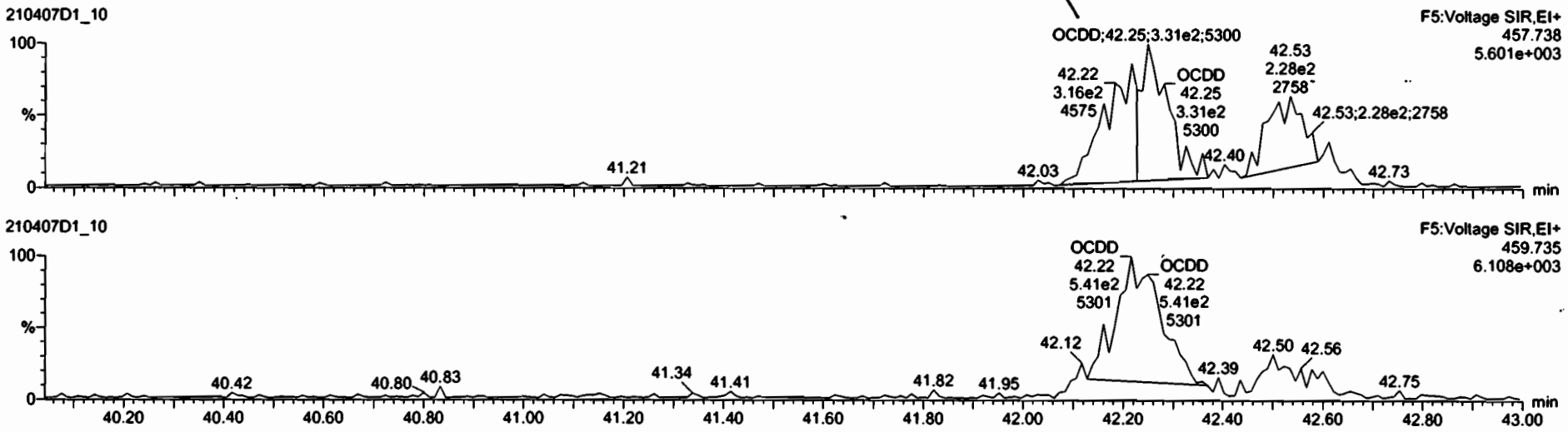
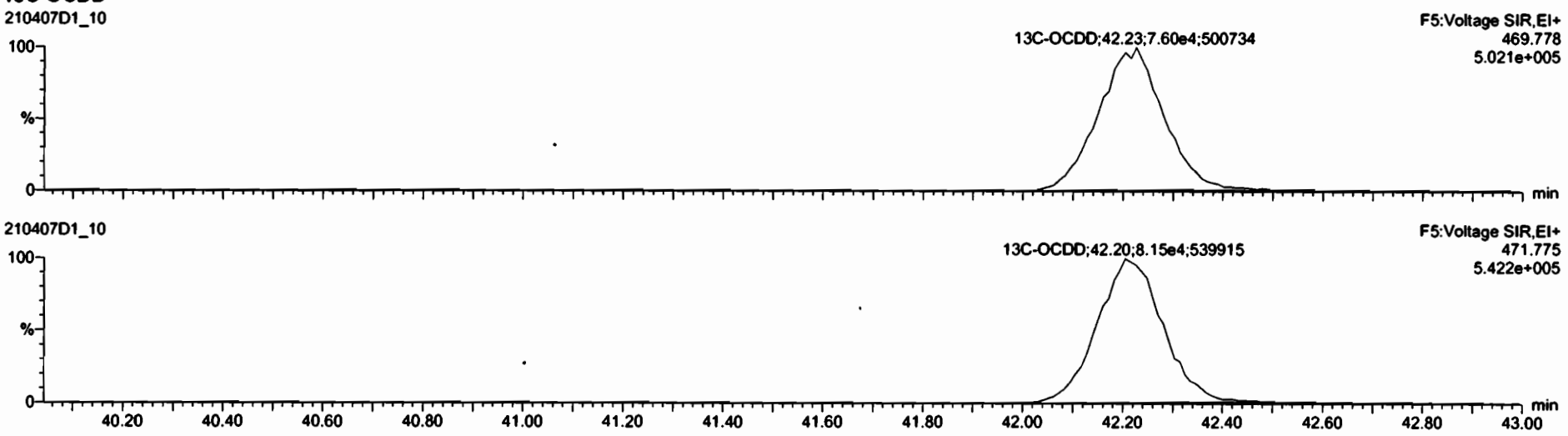
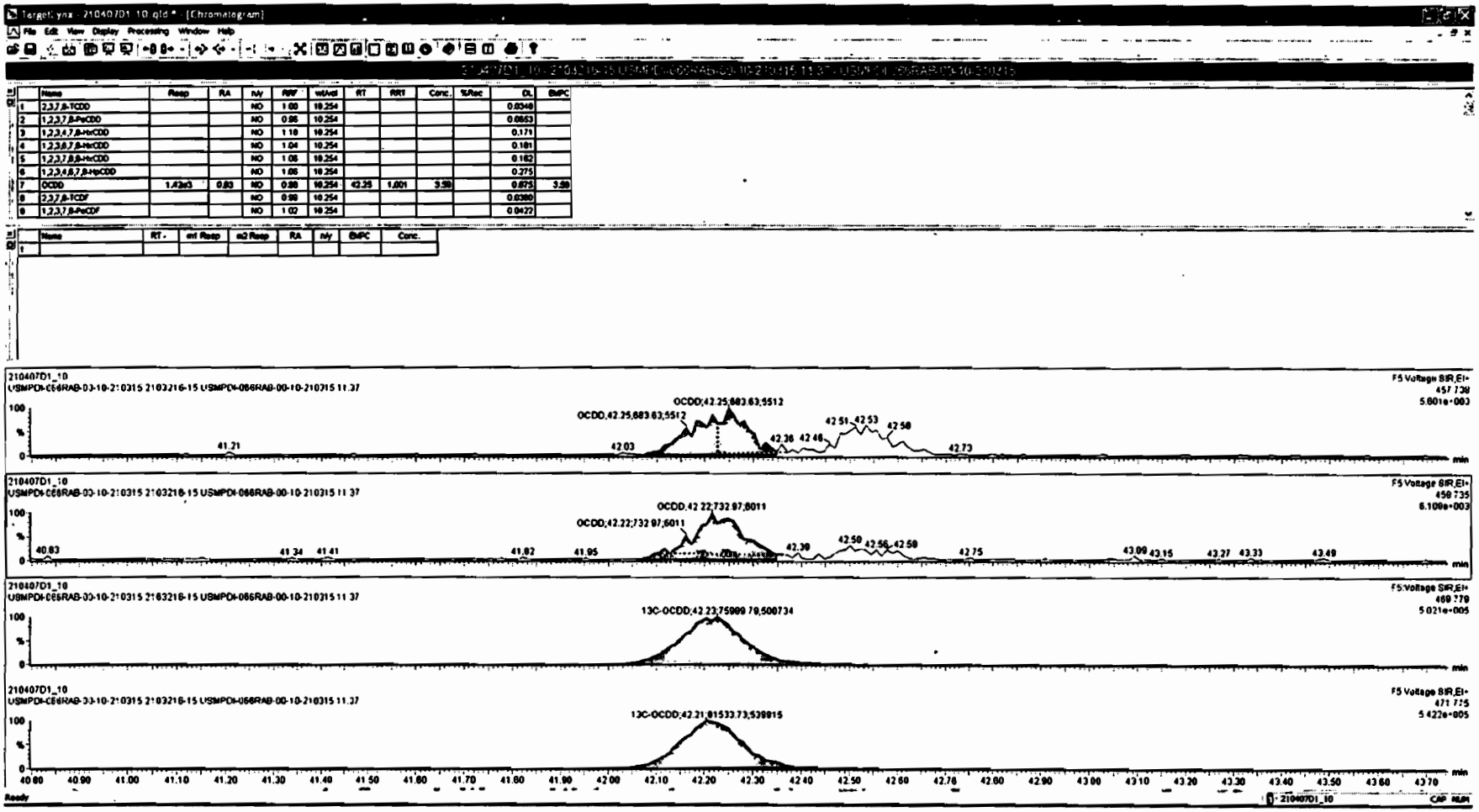
Name: 210407D1_10, Date: 07-Apr-2021, Time: 15:45:30, ID: 2103216-15 USMPDI-066RAB-00-10-210315 11.37, Description: USMPDI-066RAB-00-10-210315

OCDD



13C-OCDD



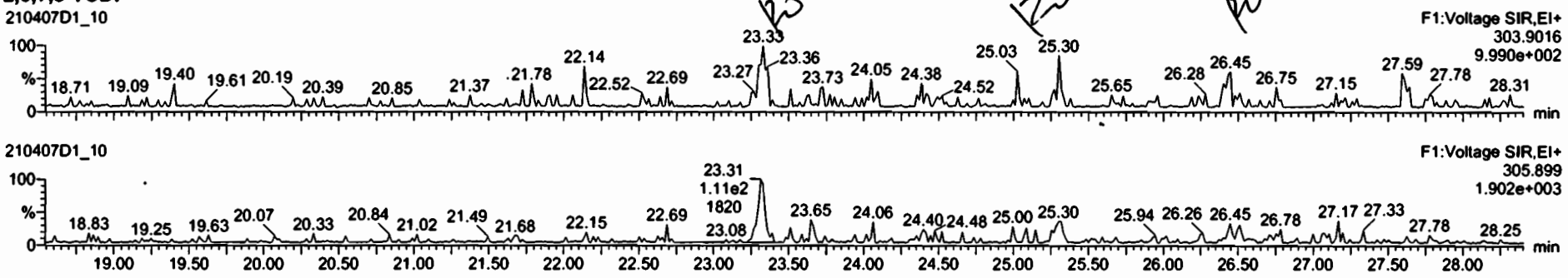

Target: ynx - 210407D1_10.qld * - [Chromatogram]
File Edit View Display Processing Window Help
Name | Resp | RA | nAy | RRF | wAvd | RT | RRT | Conc. | %Rec | DL | EMPC
1 2,3,7,8-TCDD | NO | 1.00 | 10.254 | 0.0348
2 1,2,3,7,8-PeCDD | NO | 0.86 | 10.254 | 0.0653
3 1,2,3,4,7,8-HxCDD | NO | 1.10 | 10.254 | 0.171
4 1,2,3,6,7,8-HxCDD | NO | 1.04 | 10.254 | 0.181
5 1,2,3,7,8,9-HxCDD | NO | 1.06 | 10.254 | 0.162
6 1,2,3,4,6,7,8-HpCDD | NO | 1.06 | 10.254 | 0.275
7 OCDD | 1.42e3 | 0.83 | NO | 0.89 | 10.254 | 42.25 | 1.001 | 3.59 | 0.875 | 3.59
8 2,3,7,8-TCDF | NO | 0.98 | 10.254 | 0.0380
9 1,2,3,7,8-PeCDF | NO | 1.02 | 10.254 | 0.0422
Name | RT | ref Resp | m2 Resp | RA | nAy | EMPC | Conc.
210407D1_10
USMPDI-066RAB-00-10-210315 2103216-15 USMPDI-066RAB-00-10-210315 11:37
F5 Voltage SIR,EI+
457.739
5.601e+003
OCDD,42.25,683.63,5512
41.21
42.03
42.36 42.46
42.51 42.53
42.58
42.73
min
210407D1_10
USMPDI-066RAB-00-10-210315 2103216-15 USMPDI-066RAB-00-10-210315 11:37
F5 Voltage SIR,EI+
458.735
6.109e+003
OCDD,42.22,732.97,6011
40.83
41.34 41.41
41.82
41.95
42.39
42.50 42.56 42.58
42.75
43.09 43.15
43.27 43.33
43.49
min
210407D1_10
USMPDI-066RAB-00-10-210315 2103216-15 USMPDI-066RAB-00-10-210315 11:37
F5:Voltage SIR,EI+
469.779
5.021e+005
13C-OCDD,42.23,759.99,709.500734
min
210407D1_10
USMPDI-066RAB-00-10-210315 2103216-15 USMPDI-066RAB-00-10-210315 11:37
F5 Voltage SIR,EI+
471.775
5.422e+005
13C-OCDD,42.21,815.33,539.815
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 43.10 43.20 43.30 43.40 43.50 43.60 43.70
min
Ready
210407D1_10
CAP NUM

Dataset: Untitled

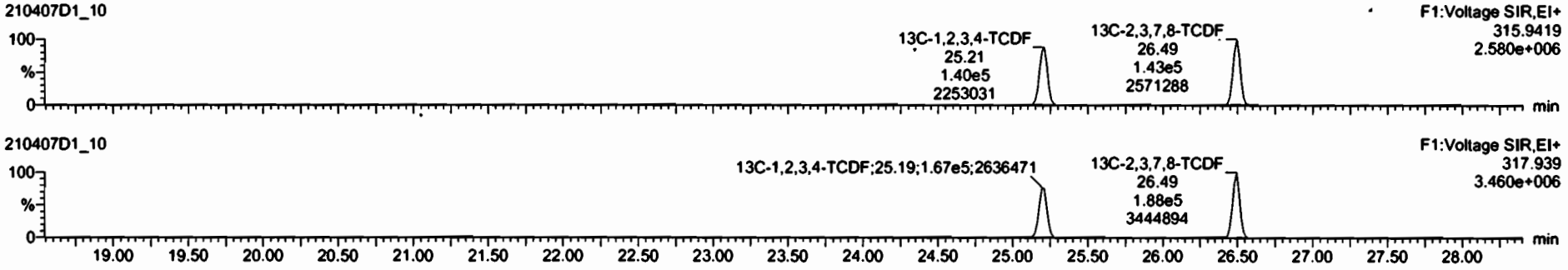
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_10, Date: 07-Apr-2021, Time: 15:45:30, ID: 2103216-15 USMPDI-066RAB-00-10-210315 11.37, Description: USMPDI-066RAB-00-10-210315

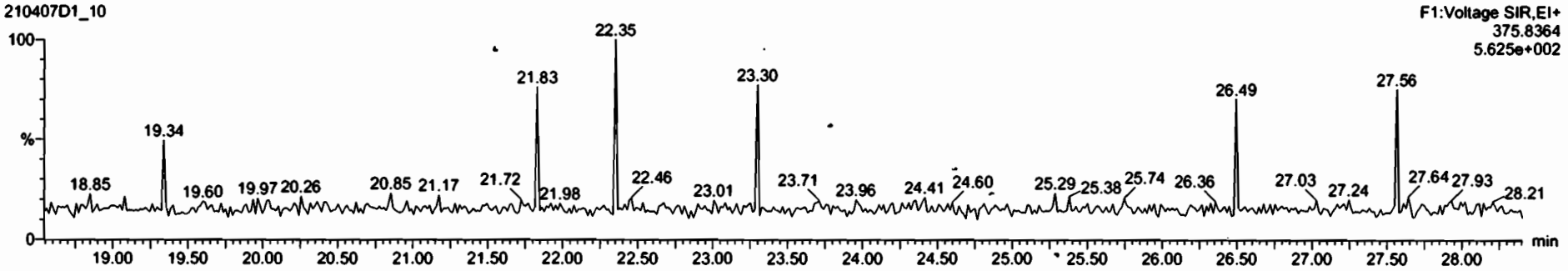
2,3,7,8-TCDF

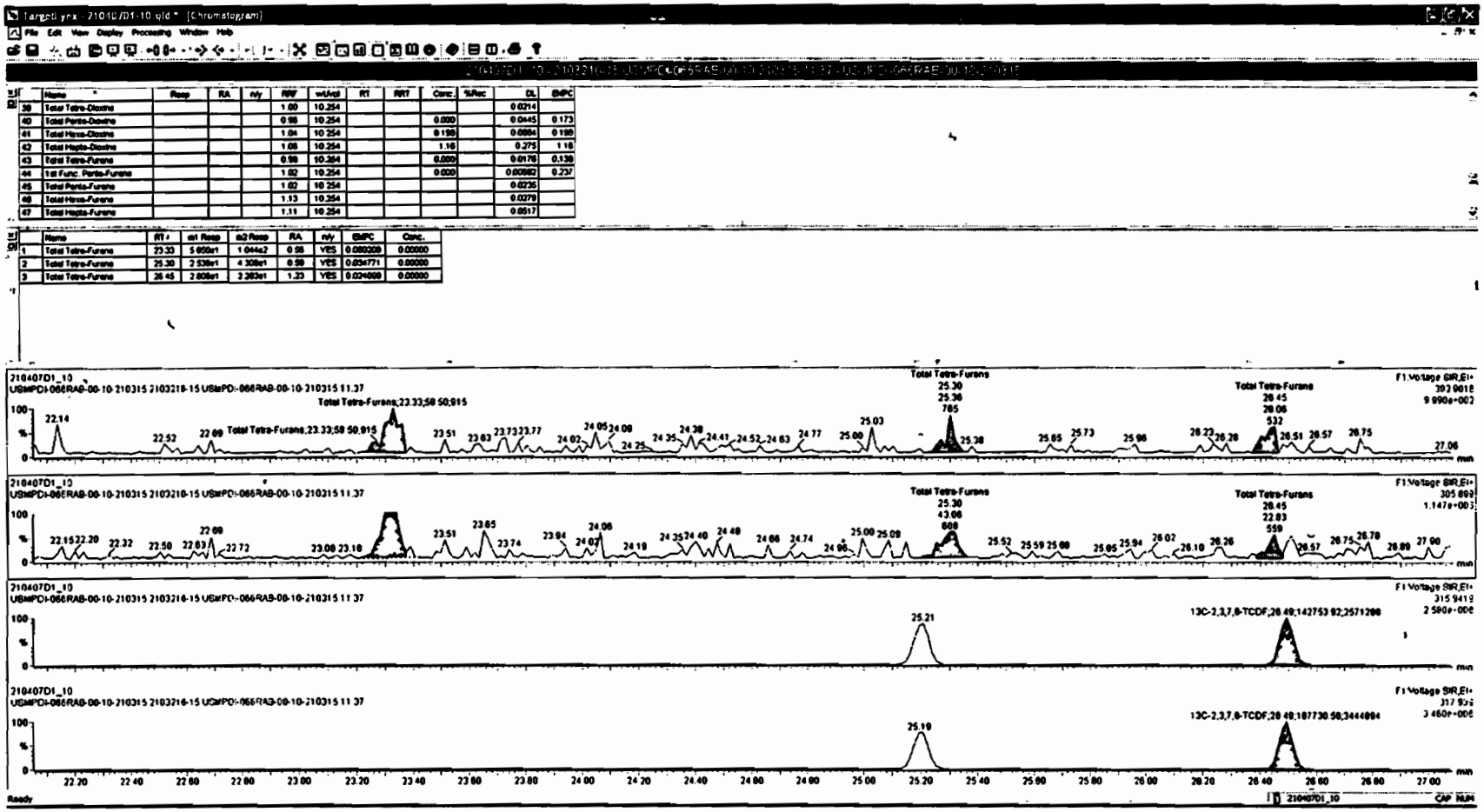


13C-2,3,7,8-TCDF



DPE1




Target1.ynx - 210407D1-10.qld * [Chromatogram]
File Edit View Display Processing Window Help
Name Resp RA rdy RRF wUnit RT RRT Conc. %Rec DL EMPC
39 Total Tetra-Dioxins 1.00 10.254 0.0214
40 Total Penta-Dioxins 0.98 10.254 0.000 0.0445 0.173
41 Total Hexa-Dioxins 1.04 10.254 0.199 0.0884 0.199
42 Total Hepta-Dioxins 1.05 10.254 1.16 0.275 1.16
43 Total Tetra-Furans 0.99 10.254 0.000 0.0176 0.139
44 1st Func. Penta-Furans 1.02 10.254 0.000 0.00982 0.257
45 Total Penta-Furans 1.02 10.254 0.0235
46 Total Hexa-Furans 1.13 10.254 0.0279
47 Total Hepta-Furans 1.11 10.254 0.0517
Name RT r rel Resp rel2 Resp RA rdy EMPC Conc.
1 Total Tetra-Furans 23.33 5.650e1 1.044e2 0.98 YES 0.000209 0.00000
2 Total Tetra-Furans 25.30 2.538e1 4.308e1 0.59 YES 0.034771 0.00000
3 Total Tetra-Furans 26.45 2.808e1 3.383e1 1.23 YES 0.024089 0.00000
210407D1_10
USMPDI-066RAB-00-10-210315 2103216-15 USMPDI-066RAB-00-10-210315 11.37
Total Tetra-Furans,23.33,58 50,915
Total Tetra-Furans
25.30
25.38
785
Total Tetra-Furans
26.45
26.06
532
F1 Voltage SIR,EI+
392 901
9 990e+002
210407D1_10
USMPDI-066RAB-00-10-210315 2103216-15 USMPDI-066RAB-00-10-210315 11.37
Total Tetra-Furans
25.30
43.06
600
Total Tetra-Furans
26.45
22.83
559
F1 Voltage SIR,EI+
305 893
1.147e+003
210407D1_10
USMPDI-066RAB-00-10-210315 2103216-15 USMPDI-066RAB-00-10-210315 11.37
25.21
13C-2,3,7,8-TCDF,26.49,142753.92,2571298
F1 Voltage SIR,EI+
315 941
2.580e+006
210407D1_10
USMPDI-066RAB-00-10-210315 2103216-15 USMPDI-066RAB-00-10-210315 11.37
25.19
13C-2,3,7,8-TCDF,26.49,187730.58,3444894
F1 Voltage SIR,EI+
317 93
3.460e+006
Ready
210407D1_10
CAP NUM

Dataset: Untitled

Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
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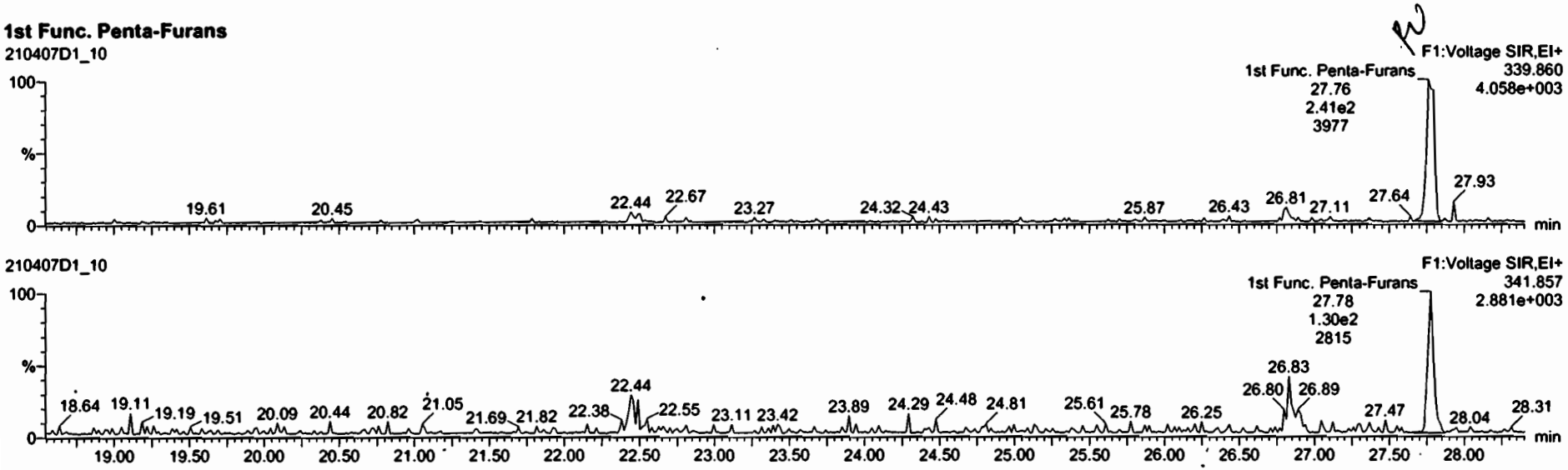
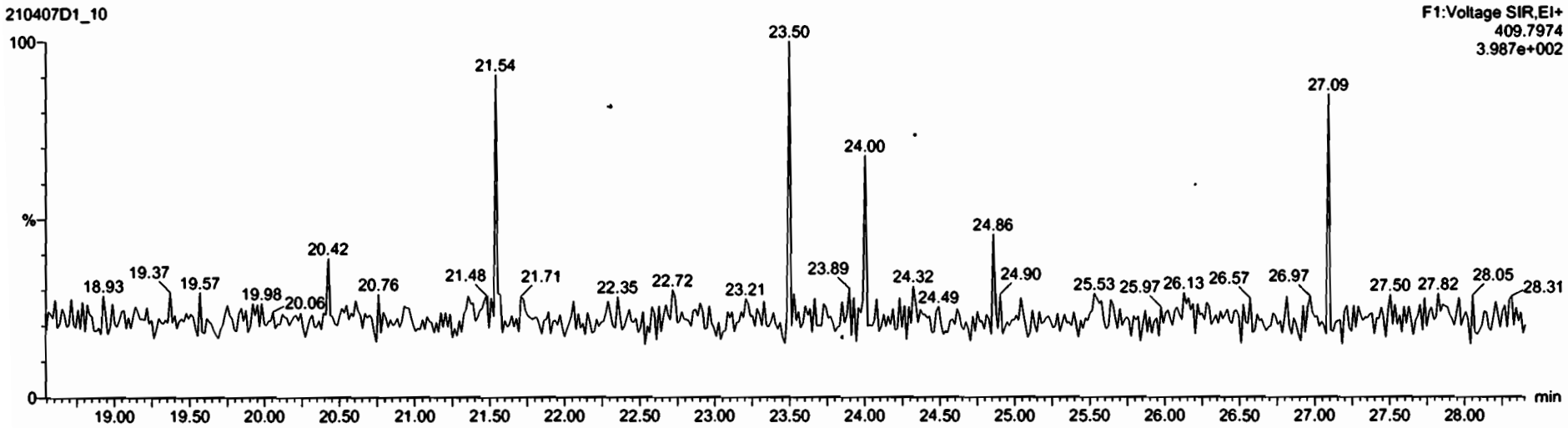
Name: 210407D1_10, Date: 07-Apr-2021, Time: 15:45:30, ID: 2103216-15 USMPDI-066RAB-00-10-210315 11.37, Description: USMPDI-066RAB-00-10-210315

1st Func. Penta-Furans



DPE6



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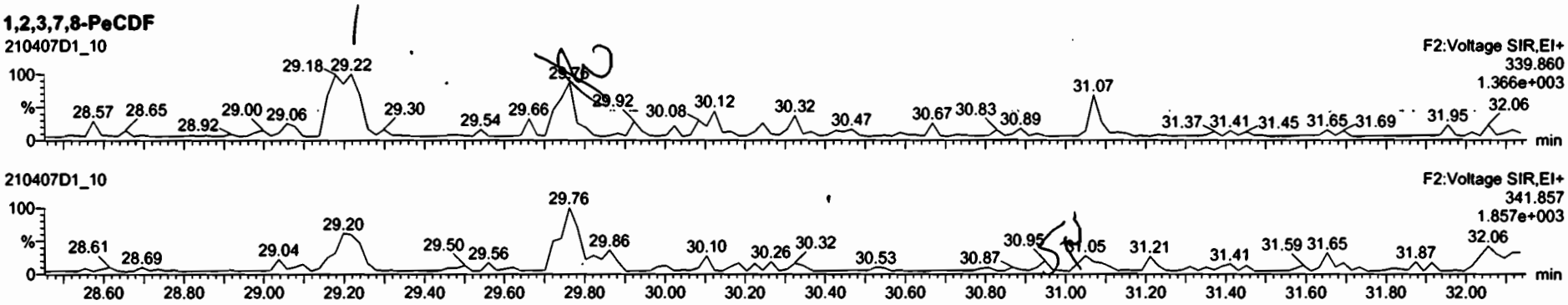
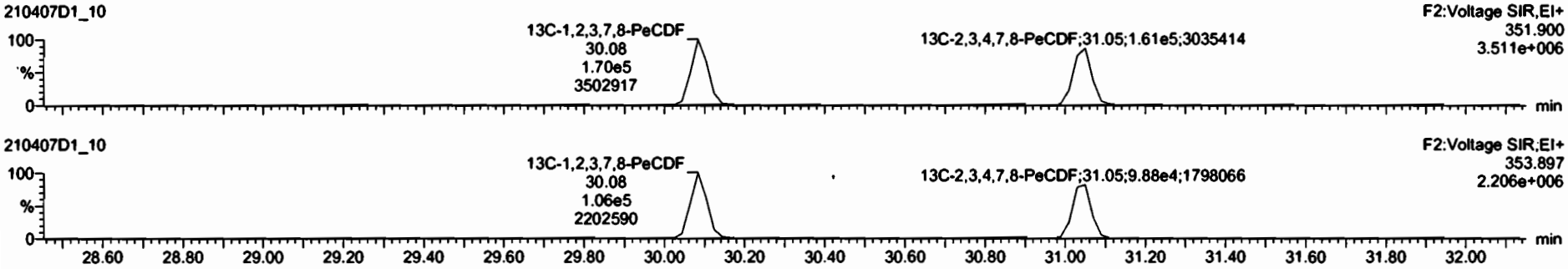
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_10, Date: 07-Apr-2021, Time: 15:45:30, ID: 2103216-15 USMPDI-066RAB-00-10-210315 11.37, Description: USMPDI-066RAB-00-10-210315

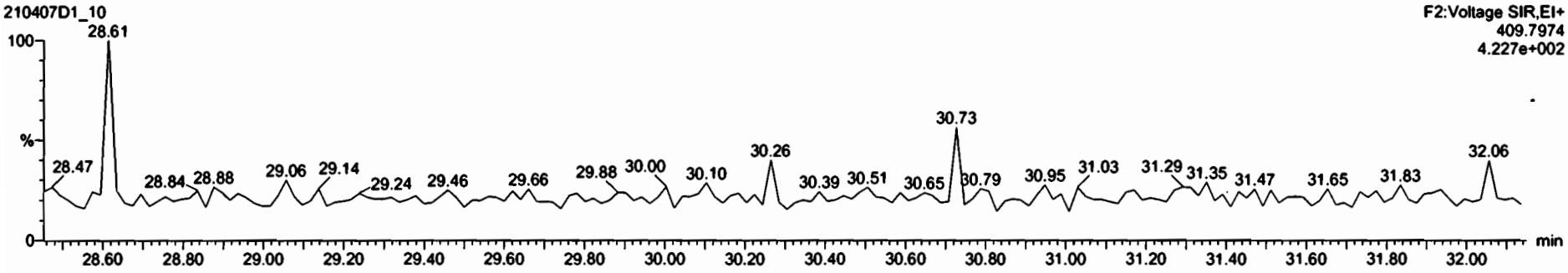
1,2,3,7,8-PeCDF

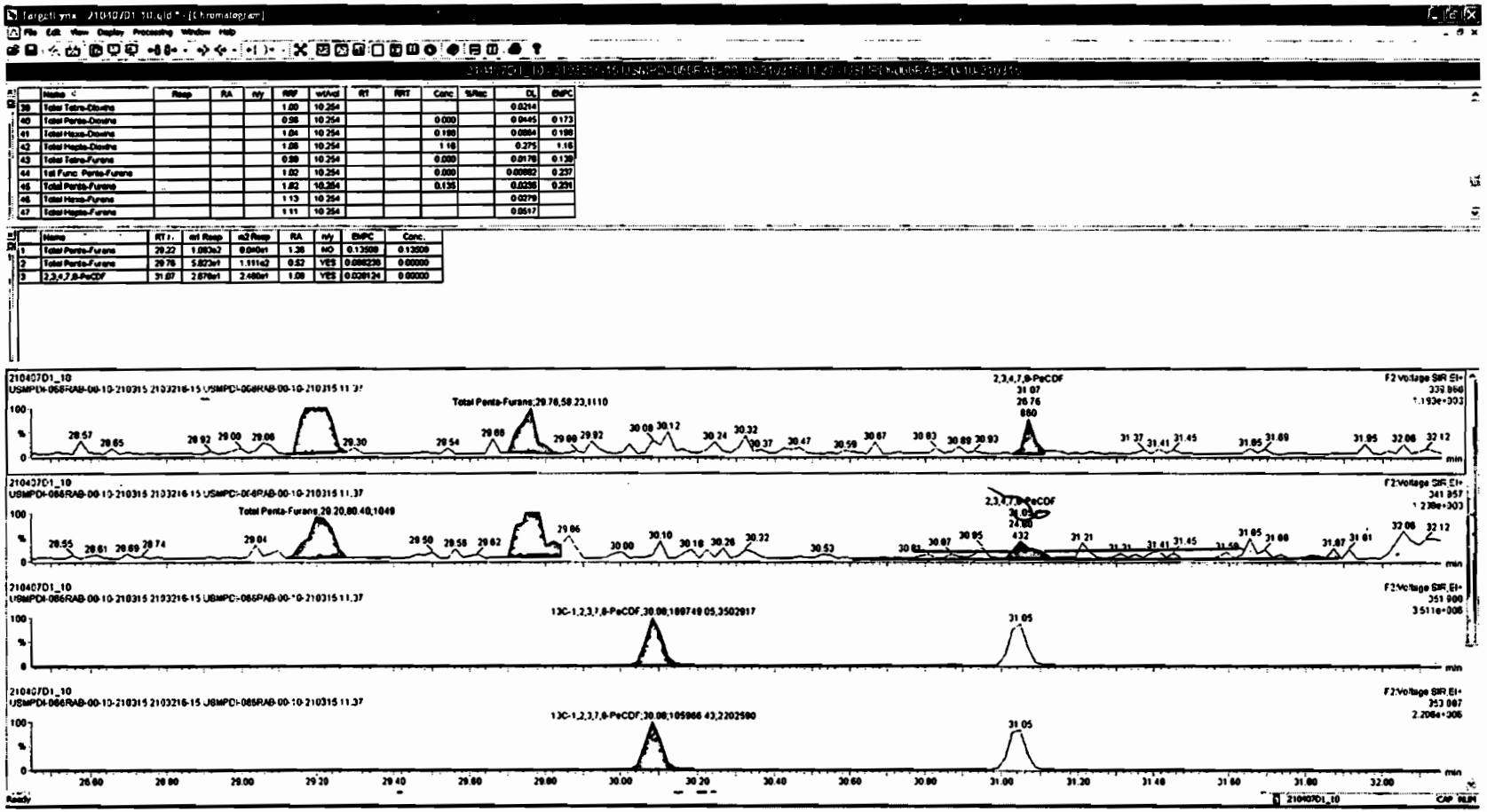


13C-1,2,3,7,8-PeCDF



DPE2





	Name	Resp	RA	m/y	RRF	wtAvd	RT	RRT	Conc	%Rec	DL	EMPC
39	Total Tetra-Dioxins				1.00	10.254					0.0214	
40	Total Penta-Dioxins				0.98	10.254			0.000		0.0445	0.173
41	Total Hexa-Dioxins				1.04	10.254			0.198		0.0884	0.198
42	Total Hepta-Dioxins				1.08	10.254			1.16		0.275	1.16
43	Total Tetra-Furans				0.98	10.254			0.000		0.0178	0.139
44	1st Func. Penta-Furans				1.02	10.254			0.000		0.00882	0.237
45	Total Penta-Furans				1.02	10.254			0.135		0.0236	0.291
46	Total Hexa-Furans				1.13	10.254					0.0279	
47	Total Hepta-Furans				1.11	10.254					0.0517	

	Name	RT r.	ori Resp	m2 Resp	RA	m/y	EMPC	Conc.
1	Total Penta-Furans	29.22	1.083e2	0.000e1	1.38	NO	0.13500	0.13500
2	Total Penta-Furans	29.76	5.823e1	1.111e2	0.52	YES	0.086230	0.00000
3	2,3,4,7,8-PeCDF	31.07	2.676e1	2.480e1	1.08	YES	0.029124	0.00000

Dataset: Untitled

Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
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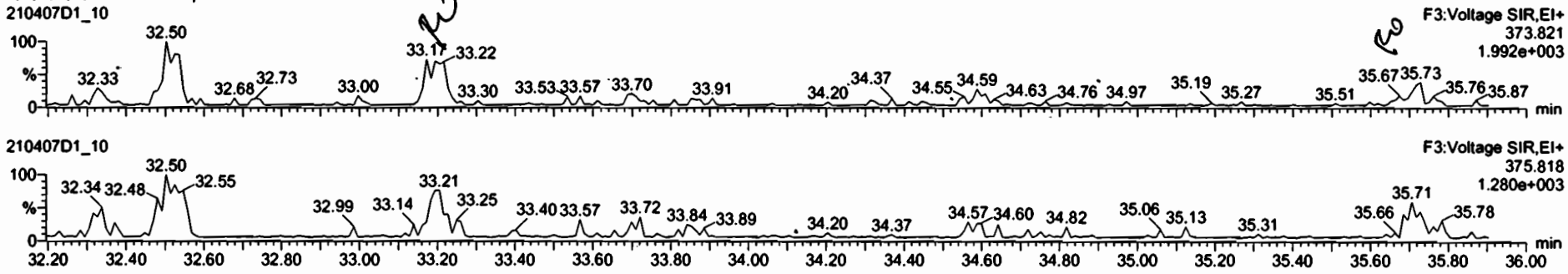
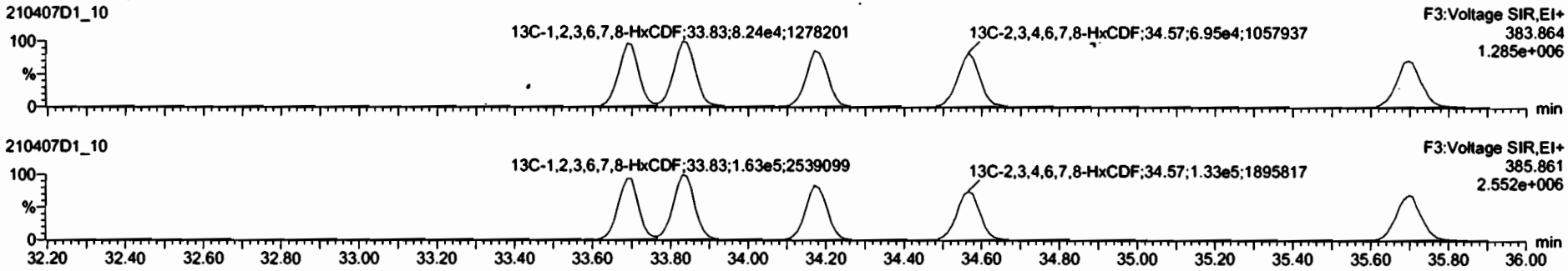
Name: 210407D1_10, Date: 07-Apr-2021, Time: 15:45:30, ID: 2103216-15 USMPDI-066RAB-00-10-210315 11.37, Description: USMPDI-066RAB-00-10-210315

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



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



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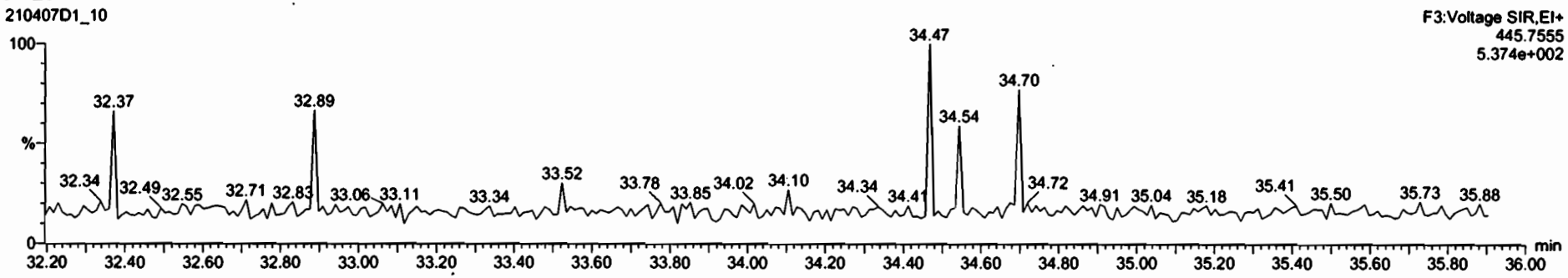

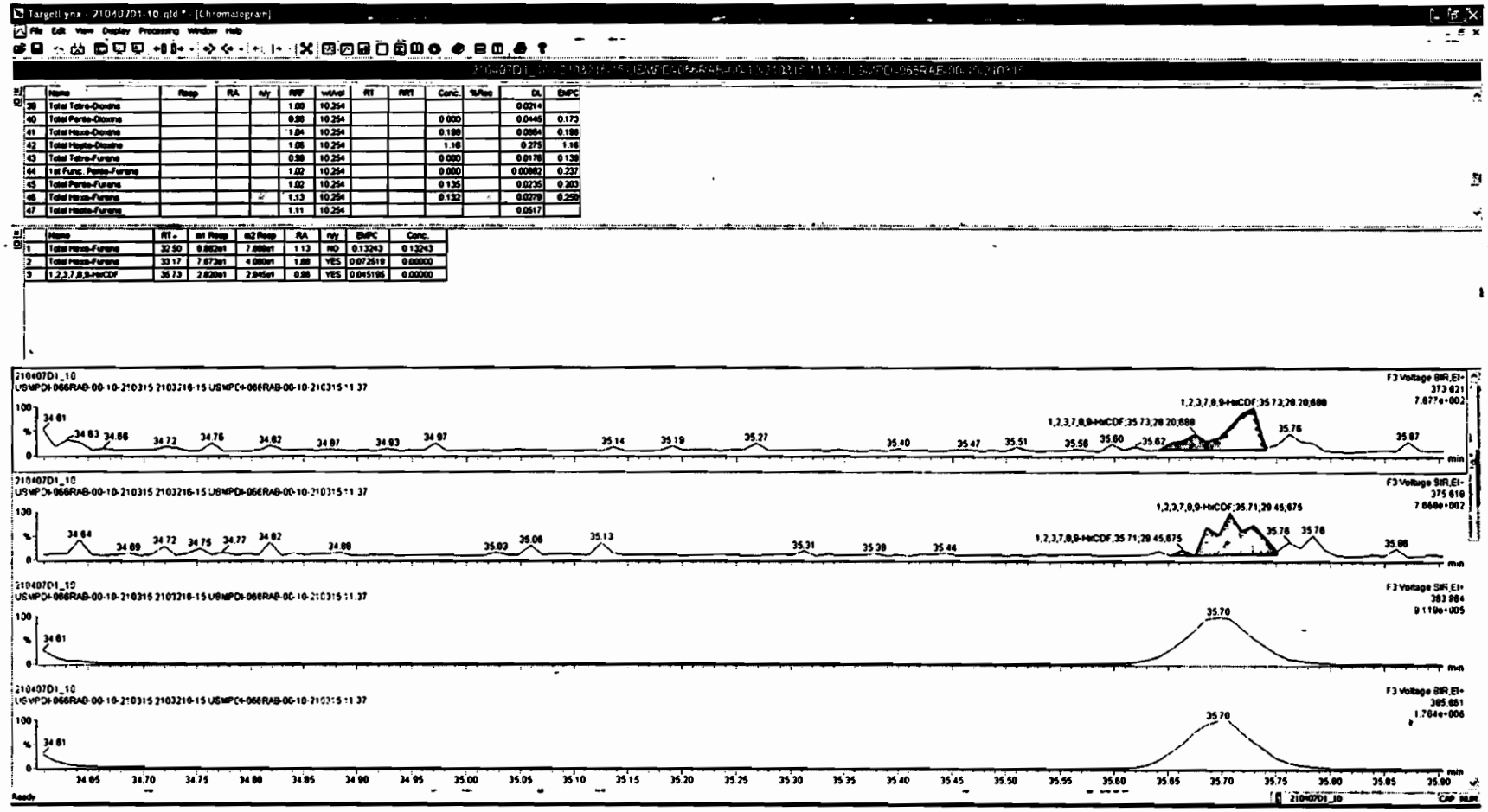

	Name	Resp	RA	n/y	RRF	wAvd	RT	RRT	Conc.	%Rec	DL	EMPC
39	Total Tetra-Dioxins				1.00	10.254					0.0214	
40	Total Penta-Dioxins				0.96	10.254			0.000		0.0446	0.173
41	Total Hexa-Dioxins				1.04	10.254			0.199		0.0664	0.198
42	Total Hepta-Dioxins				1.06	10.254			1.16		0.275	1.16
43	Total Tetra-Furans				0.99	10.254			0.000		0.0176	0.138
44	1st Func. Penta-Furans				1.02	10.254			0.000		0.00882	0.237
45	Total Penta-Furans				1.02	10.254			0.135		0.0235	0.203
46	Total Hexa-Furans				1.13	10.254			0.132		0.0279	0.259
47	Total Hepta-Furans				1.11	10.254					0.0517	

	Name	RT	a1 Resp	a2 Resp	RA	n/y	EMPC	Conc.
1	Total Hexa-Furans	30.50	8.862e1	7.998e1	1.13	NO	0.13243	0.13243
2	Total Hexa-Furans	33.17	7.872e1	4.080e1	1.88	YES	0.072519	0.00000
3	1,2,3,7,8,9-HxCDF	35.73	2.620e1	2.945e1	0.86	YES	0.045195	0.00000

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Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
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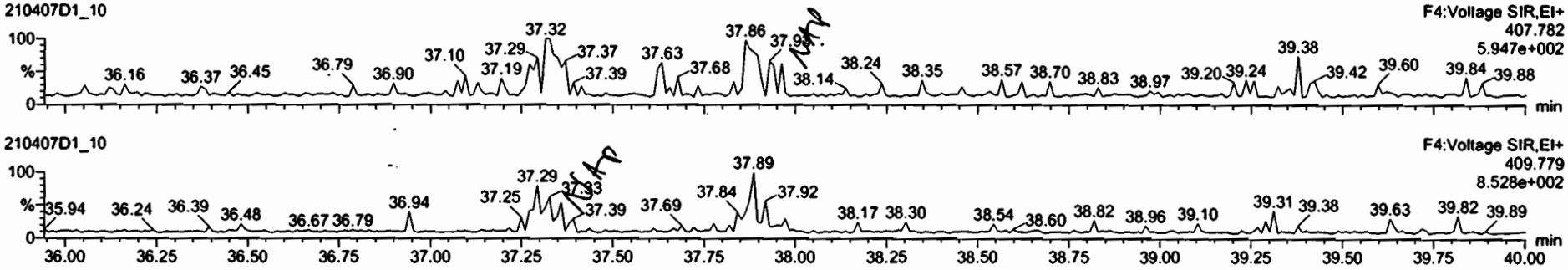
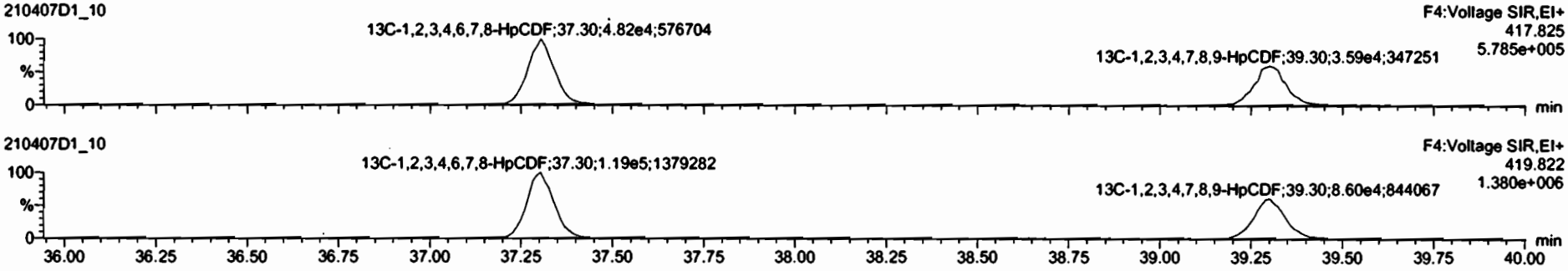
Name: 210407D1_10, Date: 07-Apr-2021, Time: 15:45:30, ID: 2103216-15 USMPDI-066RAB-00-10-210315 11.37, Description: USMPDI-066RAB-00-10-210315

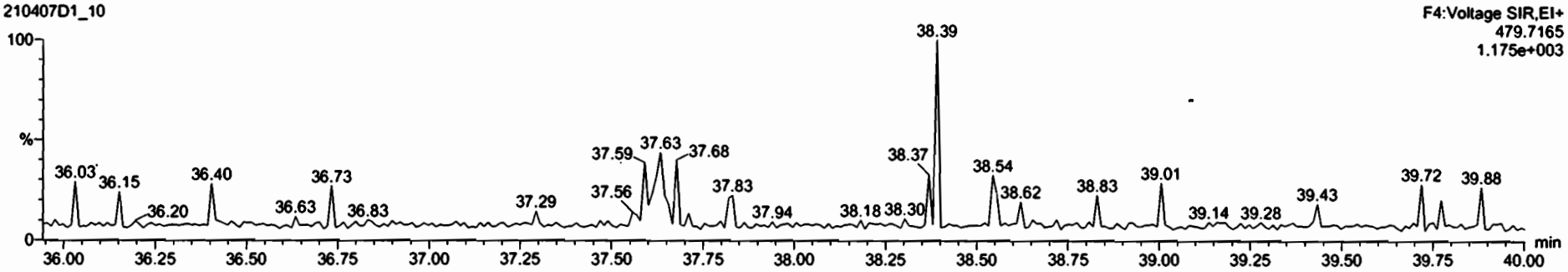
1,2,3,4,6,7,8-HpCDF



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



DPE4



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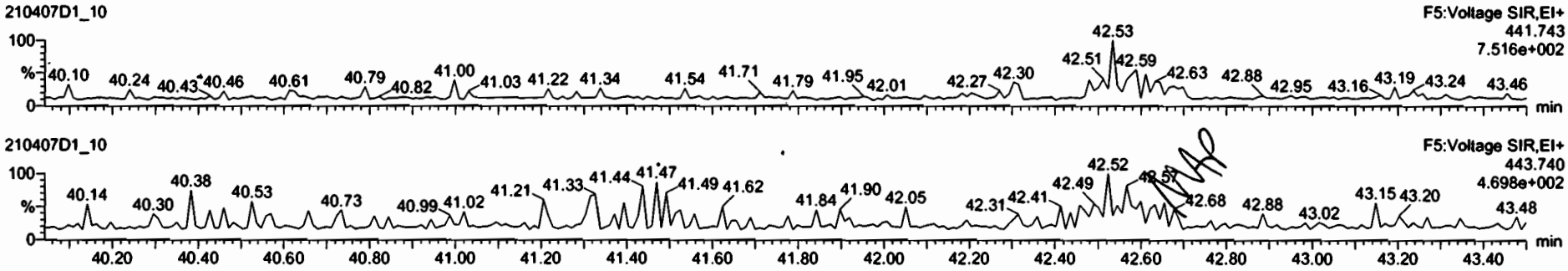
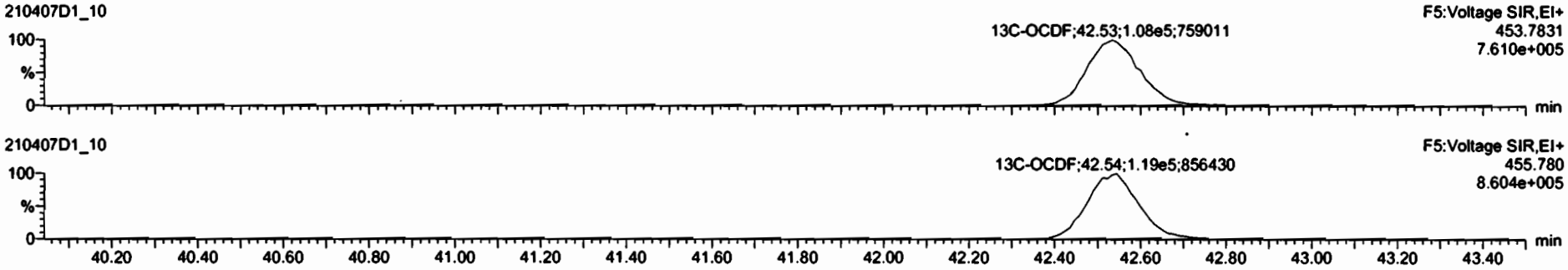
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_10, Date: 07-Apr-2021, Time: 15:45:30, ID: 2103216-15 USMPDI-066RAB-00-10-210315 11.37, Description: USMPDI-066RAB-00-10-210315

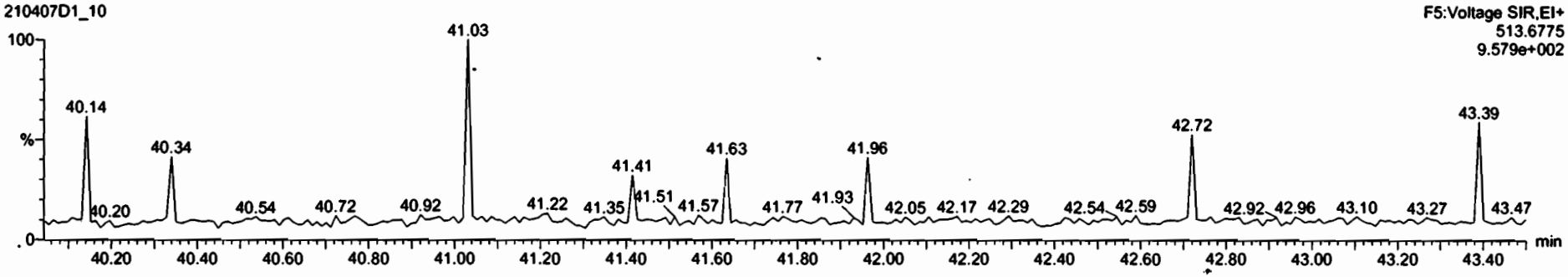
OCDF



13C-OCDF



DPE5



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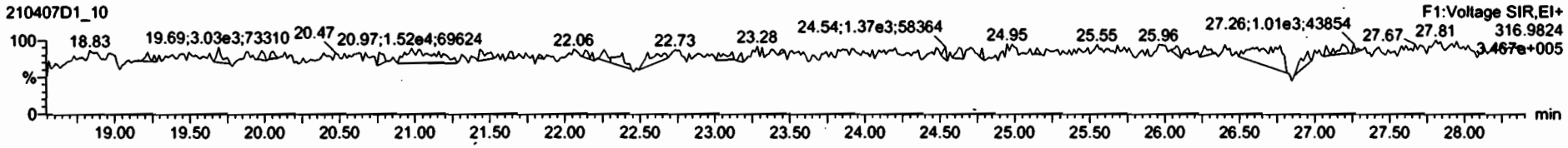
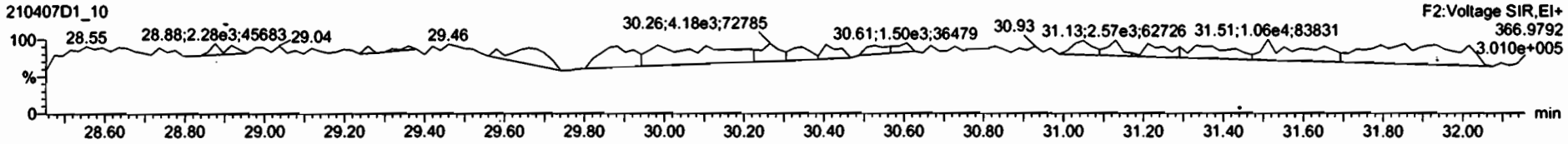
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_10, Date: 07-Apr-2021, Time: 15:45:30, ID: 2103216-15 USMPDI-066RAB-00-10-210315 11.37, Description: USMPDI-066RAB-00-10-210315

PFK1



PFK2



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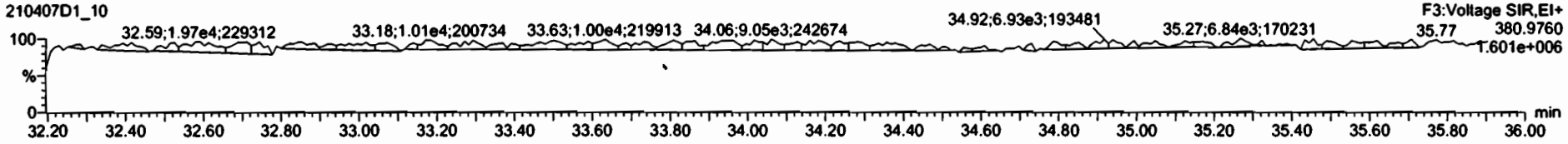

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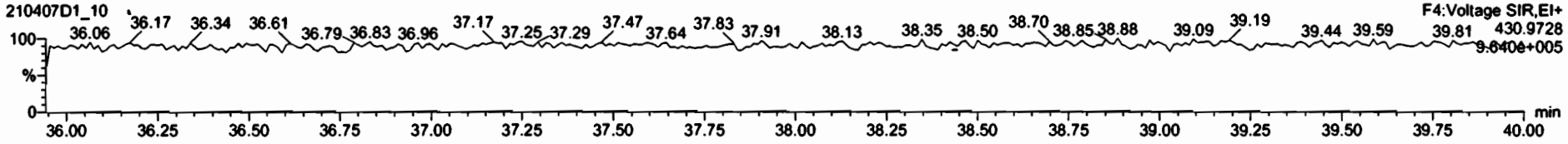

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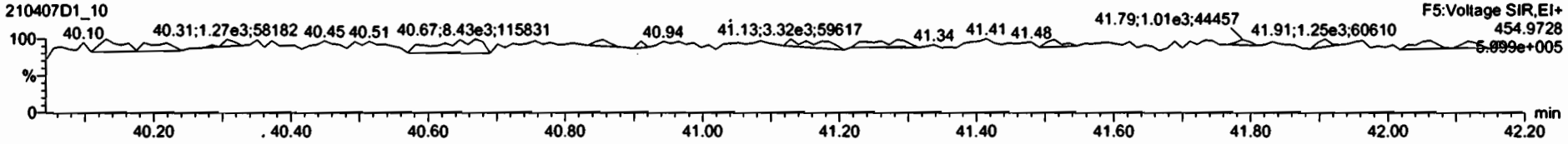

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-11.qld

Last Altered: Saturday, April 17, 2021 11:40:58 Pacific Daylight Time
Printed: Saturday, April 17, 2021 11:41:22 Pacific Daylight Time

HC 4.17.2021 CT 04/21/2021

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_4-6-21.mdb 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210407D1_11, Date: 07-Apr-2021, Time: 16:32:09, ID: 2103216-16 USMPDI-066RAB-10-20-210315 13.4, Description: USMPDI-066RAB-10-20-210315, Task: ST210407D1-1

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD			NO	0.998	10.271					0.0359	
2	1,2,3,7,8-PeCDD			NO	0.961	10.271					0.0604	
3	1,2,3,4,7,8-HxCDD			NO	1.18	10.271					0.161	
4	1,2,3,6,7,8-HxCDD			NO	1.04	10.271					0.160	
5	1,2,3,7,8,9-HxCDD			NO	1.06	10.271					0.173	
6	1,2,3,4,6,7,8-HpCDD	1.05e2	0.81	YES	1.06	10.271	38.56	1.000	0.15676		0.167	0.138
7	OCDD	2.87e2	1.08	YES	0.977	10.271	42.19	1.000	0.75810		0.839	0.690
8	2,3,7,8-TCDF			NO	0.989	10.271					0.0260	
9	1,2,3,7,8-PeCDF	4.83e1	1.48	NO	1.02	10.271	30.10	1.000	0.032378		0.0238	0.0324
10	2,3,4,7,8-PeCDF			NO	1.17	10.271					0.0527	
11	1,2,3,4,7,8-HxCDF			NO	1.14	10.271					0.0543	
12	1,2,3,6,7,8-HxCDF			NO	1.04	10.271					0.0558	
13	2,3,4,6,7,8-HxCDF			NO	1.13	10.271					0.0652	
14	1,2,3,7,8,9-HxCDF			NO	1.07	10.271					0.0745	
15	1,2,3,4,6,7,8-HpCDF			NO	1.11	10.271					0.0326	
16	1,2,3,4,7,8,9-HpCDF			NO	1.32	10.271					0.0566	
17	OCDF			NO	0.931	10.271					0.202	
18	13C-2,3,7,8-TCDD	2.50e5	0.82	NO	1.20	10.271	27.06	1.024	223.49	115	0.325	
19	13C-1,2,3,7,8-PeCDD	1.82e5	0.62	NO	0.864	10.271	31.21	1.181	225.80	116	0.194	
20	13C-1,2,3,4,7,8-HxCDD	1.36e5	1.31	NO	0.600	10.271	34.67	1.015	221.52	114	0.535	
21	13C-1,2,3,6,7,8-HxCDD	1.56e5	1.30	NO	0.674	10.271	34.81	1.019	225.98	116	0.476	
22	13C-1,2,3,7,8,9-HxCDD	1.53e5	1.27	NO	0.679	10.271	35.11	1.028	220.01	113	0.472	
23	13C-1,2,3,4,6,7,8-HpCDD	1.23e5	1.09	NO	0.558	10.271	38.57	1.129	214.88	110	1.09	
24	13C-OCDD	1.51e5	0.91	NO	0.496	10.271	42.18	1.234	297.35	76.4	0.517	
25	13C-2,3,7,8-TCDF	3.42e5	0.76	NO	1.03	10.271	26.49	1.003	213.05	109	0.278	
26	13C-1,2,3,7,8-PeCDF	2.84e5	1.61	NO	0.805	10.271	30.10	1.140	225.18	116	0.779	
27	13C-2,3,4,7,8-PeCDF	2.64e5	1.59	NO	0.748	10.271	31.05	1.175	225.32	116	0.838	
28	13C-1,2,3,4,7,8-HxCDF	2.20e5	0.51	NO	0.968	10.271	33.69	0.986	222.16	114	0.761	
29	13C-1,2,3,6,7,8-HxCDF	2.47e5	0.50	NO	1.08	10.271	33.83	0.990	223.08	115	0.679	
30	13C-2,3,4,6,7,8-HxCDF	2.00e5	0.52	NO	0.960	10.271	34.56	1.011	203.56	105	0.767	

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-11.qld

Last Altered: Saturday, April 17, 2021 11:40:58 Pacific Daylight Time
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Name: 210407D1_11, Date: 07-Apr-2021, Time: 16:32:09, ID: 2103216-16 USMPDI-066RAB-10-20-210315 13.4, Description: USMPDI-066RAB-10-20-210315, Task: ST210407D1-1

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	2.02e5	0.51	NO	0.869	10.271	35.69	1.044	227.20	117	0.847	
32	13C-1,2,3,4,6,7,8-HpCDF	1.68e5	0.42	NO	0.794	10.271	37.31	1.092	207.51	107	0.831	
33	13C-1,2,3,4,7,8,9-HpCDF	1.17e5	0.42	NO	0.586	10.271	39.31	1.150	194.98	100	1.13	
34	13C-OCDF	2.19e5	0.89	NO	0.711	10.271	42.58	1.246	301.22	77.3	0.434	
35	37Cl-2,3,7,8-TCDD	9.26e4			1.11	10.271	27.08	1.025	89.760	115	0.0786	
36	13C-1,2,3,4-TCDD	1.81e5	0.78	NO	1.00	10.271	26.42	1.000	194.72	100	0.391	
37	13C-1,2,3,4-TCDF	3.05e5	0.81	NO	1.00	10.271	25.21	1.000	194.72	100	0.285	
38	13C-1,2,3,4,6,9-HxCDF	1.99e5	0.50	NO	1.00	10.271	34.17	1.000	194.72	100	0.736	
39	Total Tetra-Dioxins				0.998	10.271					0.0214	
40	Total Penta-Dioxins				0.961	10.271			0.00000		0.0293	0.139
41	Total Hexa-Dioxins				1.04	10.271					0.108	
42	Total Hepta-Dioxins				1.06	10.271			0.00000		0.167	0.138
43	Total Tetra-Furans				0.989	10.271			0.00000		0.0149	0.0320
44	1st Func. Penta-Furans				1.02	10.271			0.00000		0.00670	0.0697
45	Total Penta-Furans				1.02	10.271			0.032378		0.0240	0.0787
46	Total Hexa-Furans				1.13	10.271			0.00000		0.0296	0.0292
47	Total Hepta-Furans				1.11	10.271					0.0250	

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-11.qld

Last Altered: Saturday, April 17, 2021 11:40:58 Pacific Daylight Time
Printed: Saturday, April 17, 2021 11:41:22 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_4-6-21.mdb 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210407D1_11, Date: 07-Apr-2021, Time: 16:32:09, ID: 2103216-16 USMPDI-066RAB-10-20-210315 13.4, Description: USMPDI-066RAB-10-20-210315, Task: ST210407D1-1

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	29.80	5.180e2	2.048e3	4.813e1	1.972e2	0.24	YES	0.000e0	0.00000	0.13883	0.0604

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	38.56	9.020e2	8.280e2	4.693e1	5.765e1	0.81	YES	1.046e2	0.00000	0.13799	0.167

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Tetra-Furans	26.42	8.050e2	9.800e2	4.177e1	3.150e1	1.33	YES	0.000e0	0.00000	0.032050	0.0149

Penta-Furans function 1

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	1st Func. Penta-Furans	27.75	1.389e3	7.890e2	8.422e1	3.931e1	2.14	YES	0.000e0	0.00000	0.069663	0.00670

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-11.qld

Last Altered: Saturday, April 17, 2021 11:40:58 Pacific Daylight Time
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Name: 210407D1_11, Date: 07-Apr-2021, Time: 16:32:09, ID: 2103216-16 USMPDI-066RAB-10-20-210315 13.4, Description: USMPDI-066RAB-10-20-210315, Task: ST210407D1-1

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Penta-Furans	29.78	5.460e2	9.940e2	4.055e1	1.101e2	0.37	YES	0.000e0	0.00000	0.046356	0.0240
2	1,2,3,7,8-PeCDF	30.10	5.200e2	5.120e2	2.883e1	1.946e1	1.48	NO	4.829e1	0.032378	0.032378	0.0238

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hexa-Furans	32.51	6.200e2	1.116e3	2.035e1	2.770e1	0.73	YES	0.000e0	0.00000	0.029219	0.0296

Hepta-Furans

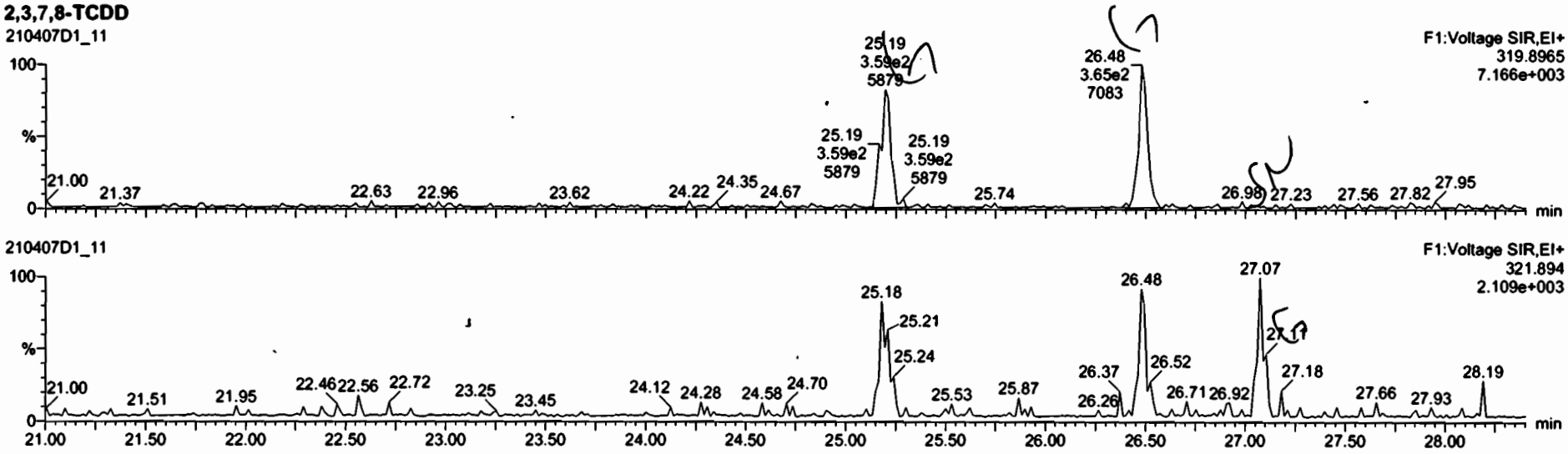
	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1												

Dataset: Untitled

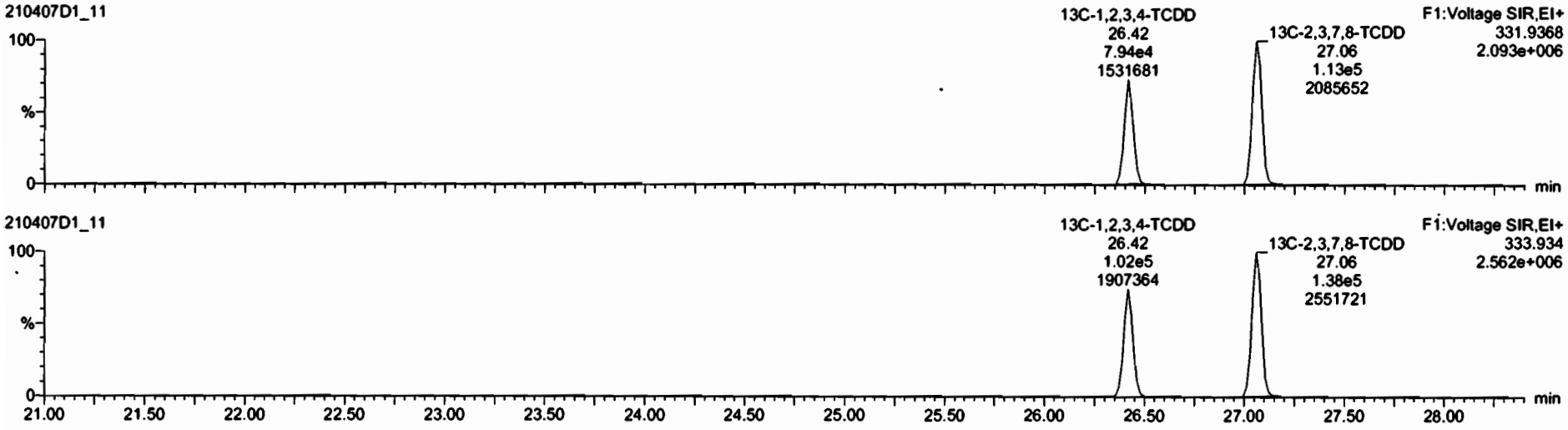
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_11, Date: 07-Apr-2021, Time: 16:32:09, ID: 2103216-16 USMPDI-066RAB-10-20-210315 13.4, Description: USMPDI-066RAB-10-20-210315

2,3,7,8-TCDD



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



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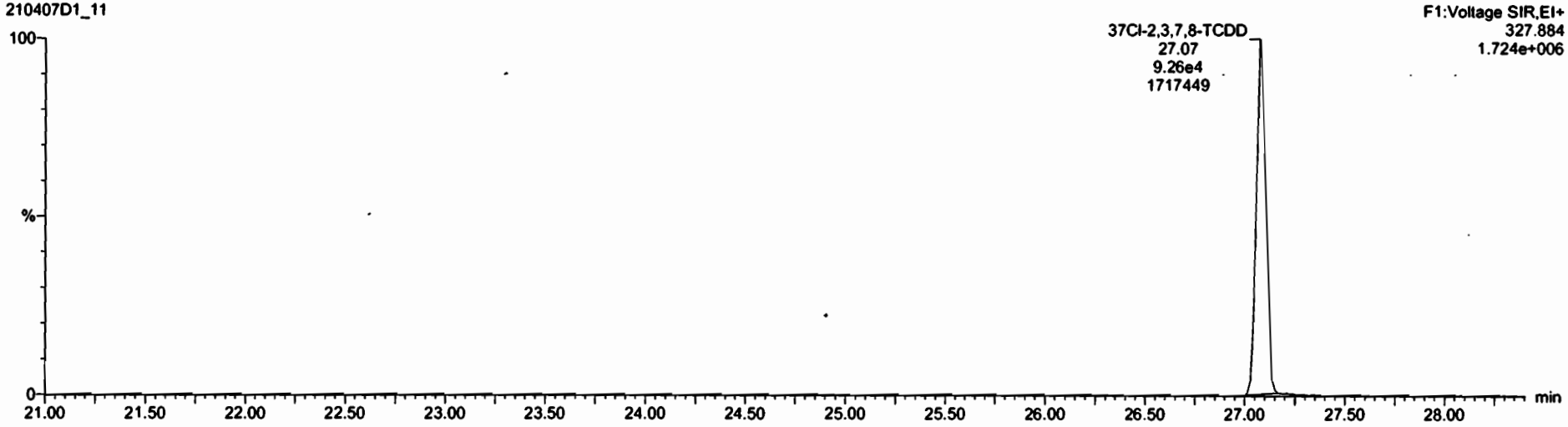
Name: 210407D1_11, Date: 07-Apr-2021, Time: 16:32:09, ID: 2103216-16 USMPDI-066RAB-10-20-210315 13.4, Description: USMPDI-066RAB-10-20-210315

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



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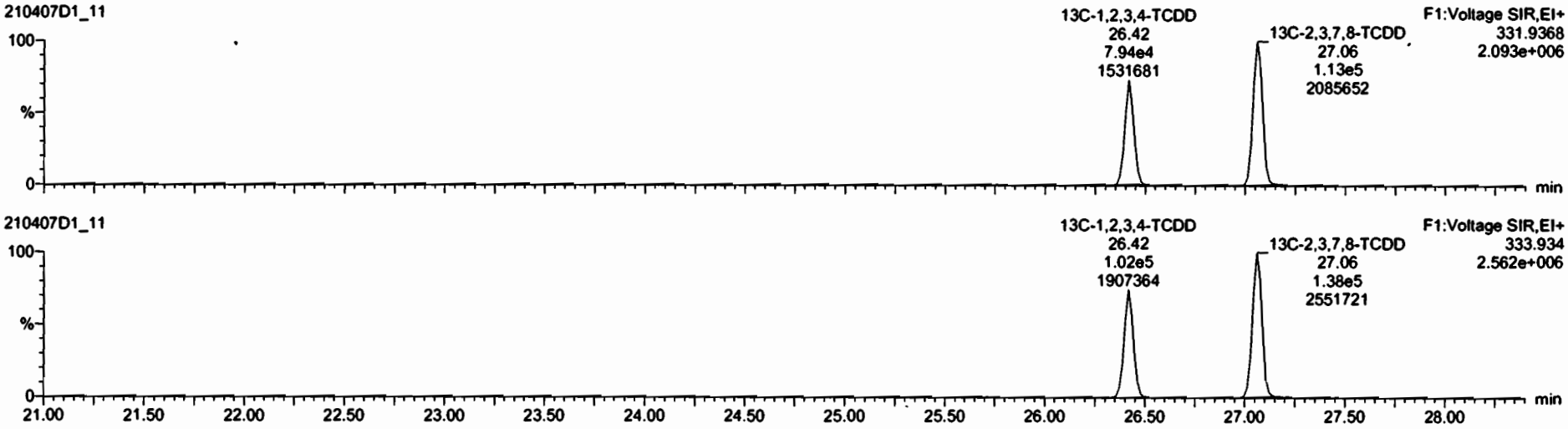

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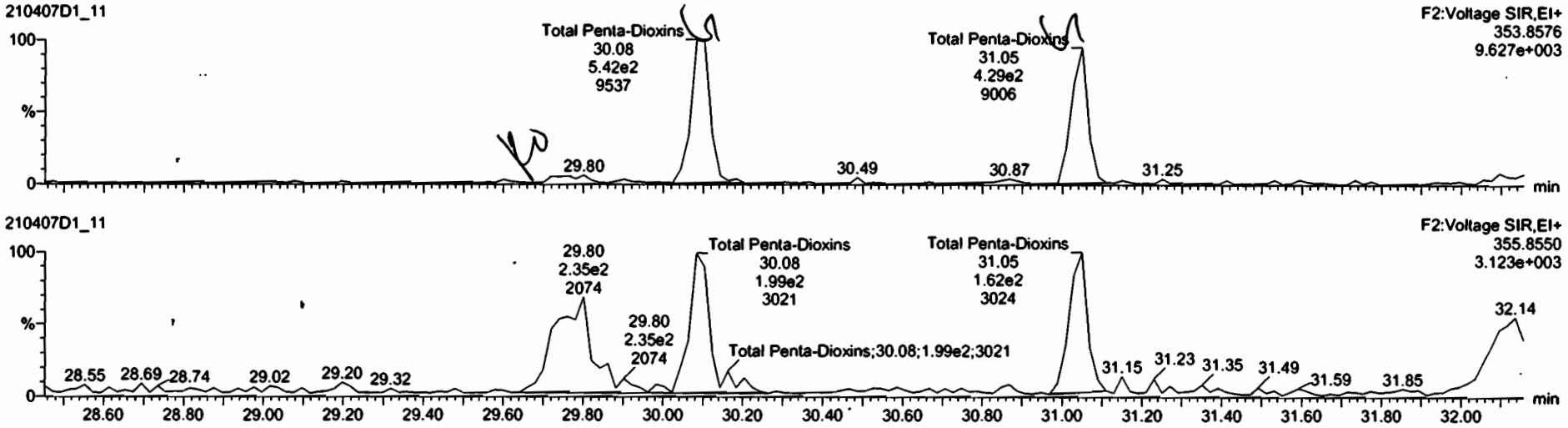
1,2,3,7,8-PeCDD



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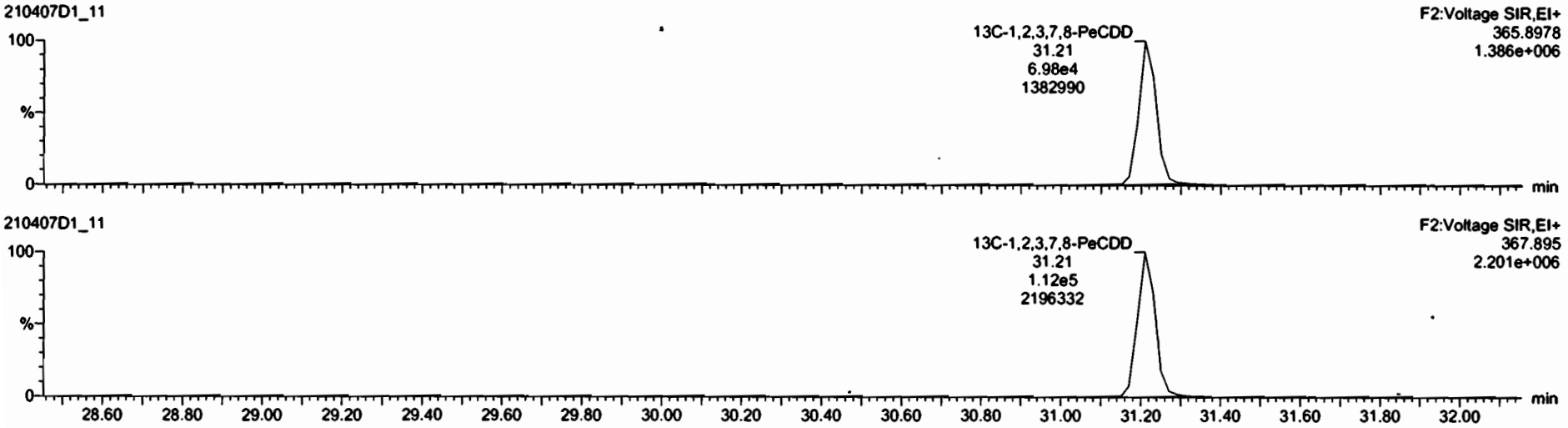

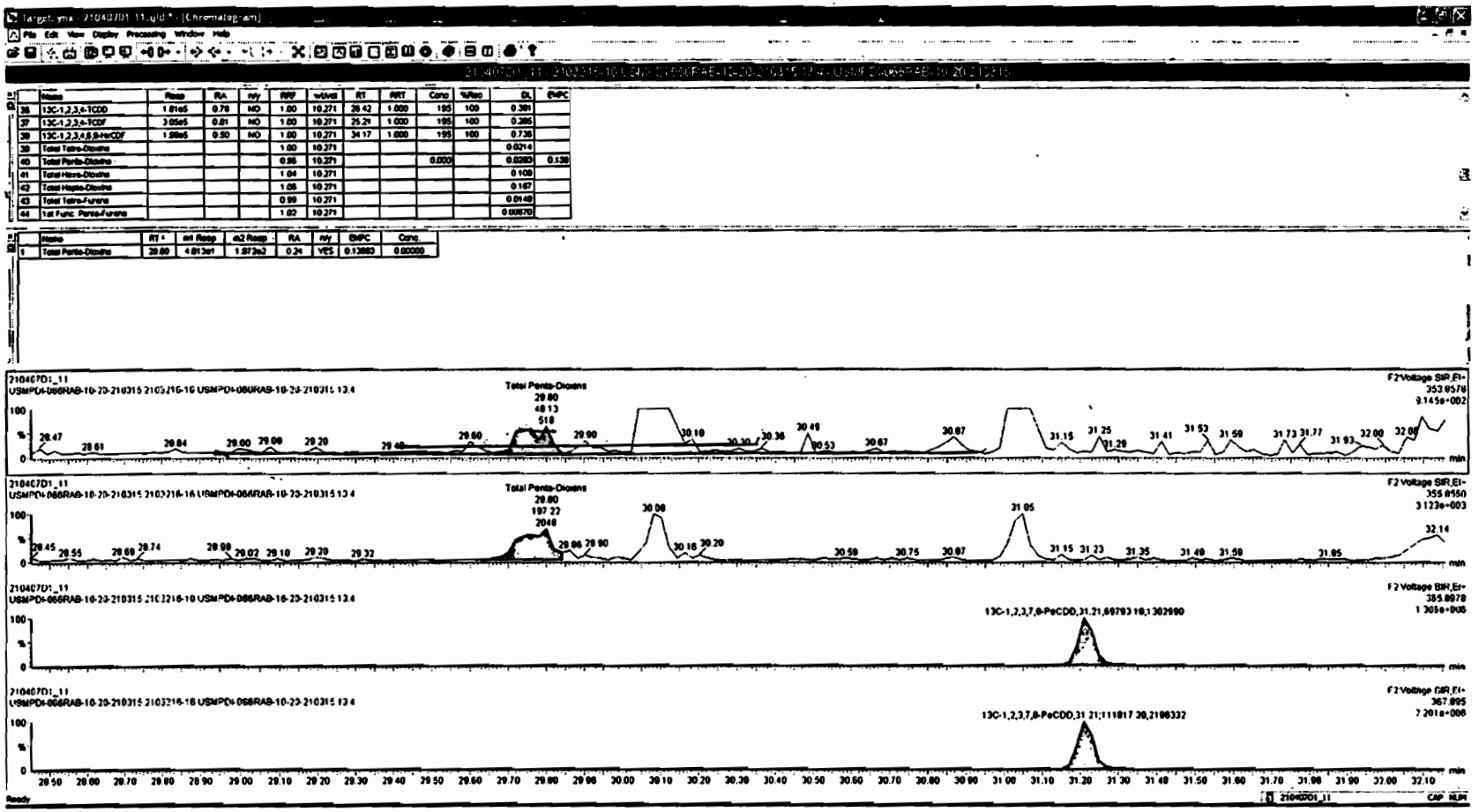
Total Penta-Dioxins
29.80
48.13
518
Total Penta-Dioxins
29.80
197.22
2048
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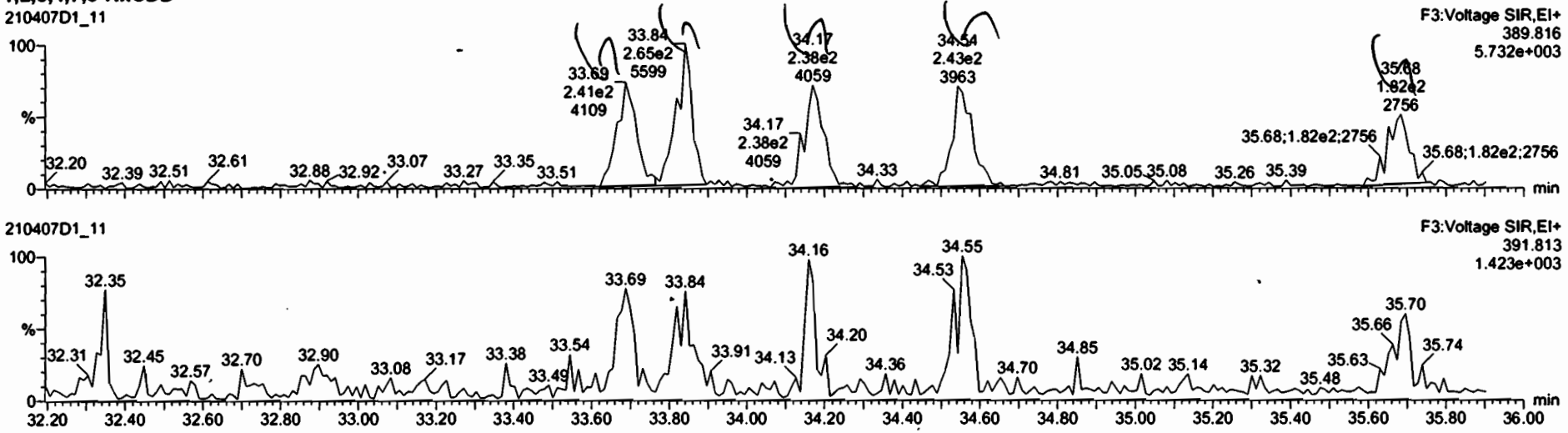
Name: 210407D1_11, Date: 07-Apr-2021, Time: 16:32:09, ID: 2103216-16 USMPDI-066RAB-10-20-210315 13.4, Description: USMPDI-066RAB-10-20-210315

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



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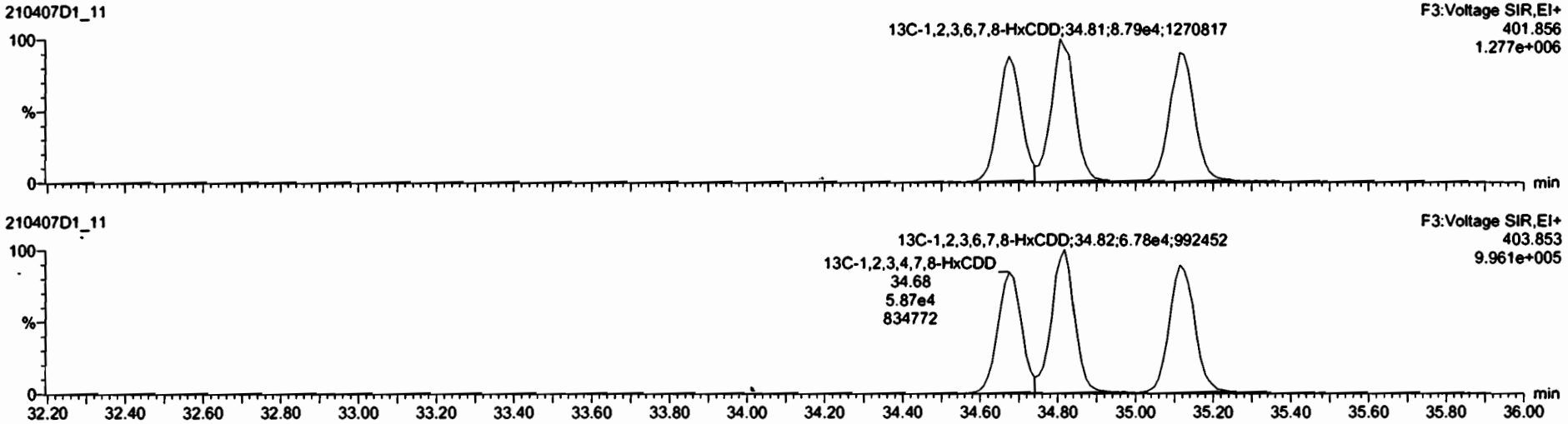

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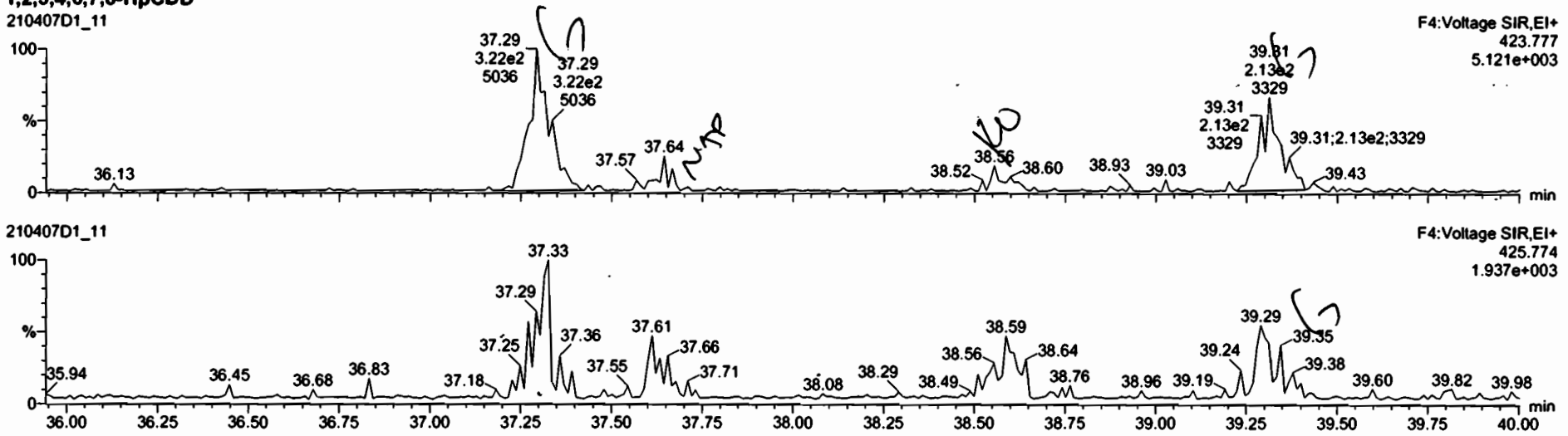
1,2,3,4,6,7,8-HpCDD



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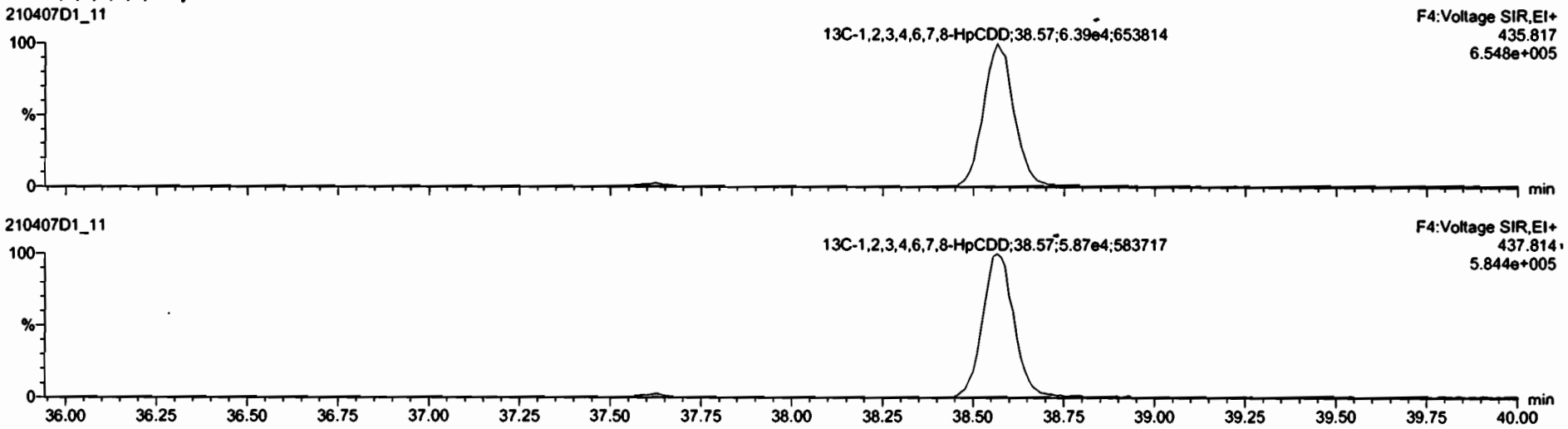
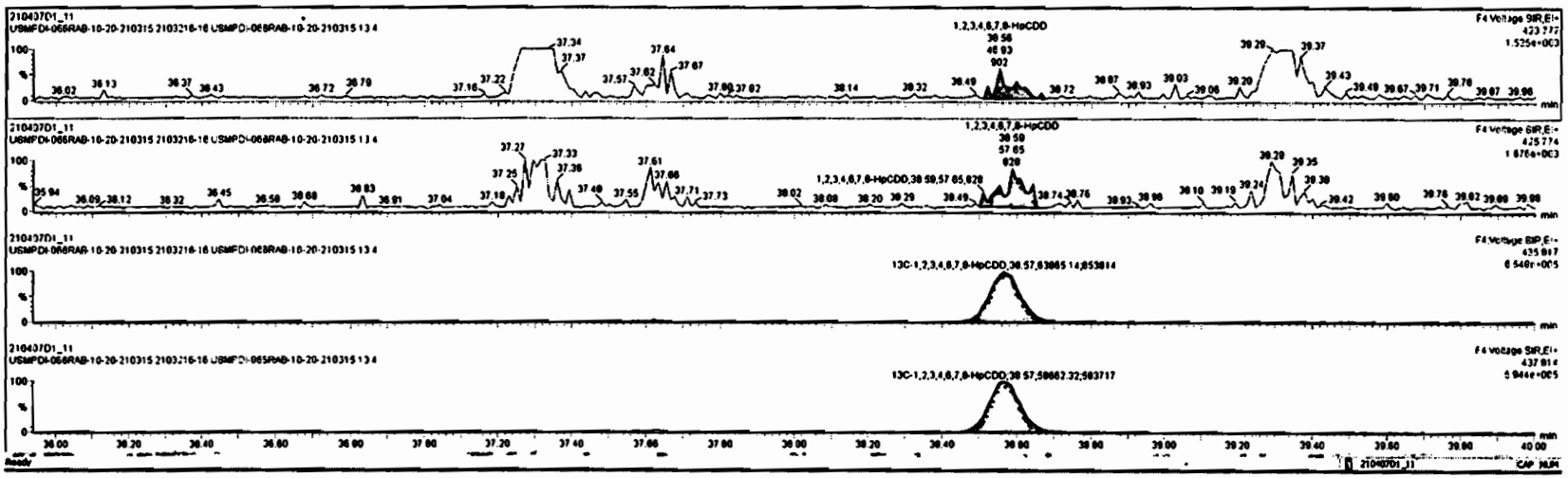


	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
36	13C-1,2,3,4-TCDD	1.01e5	0.78	NO	1.00	10.271	26.42	1.000	195	100	0.391	
37	13C-1,2,3,4-TCDF	3.05e5	0.81	NO	1.00	10.271	25.21	1.000	195	100	0.285	
38	13C-1,2,3,4,6,9-HxCDF	1.99e5	0.50	NO	1.00	10.271	34.17	1.000	195	100	0.738	
39	Total Tetra-Dioxins				1.00	10.271					0.0214	
40	Total Penta-Dioxins				0.98	10.271			0.000		0.0293	0.139
41	Total Hexa-Dioxins				1.04	10.271					0.108	
42	Total Hepta-Dioxins				1.88	10.271			0.000		0.167	0.138
43	Total Tetra-Furans				0.99	10.271					0.0149	
44	1st Func. Penta-Furans				1.02	10.271					0.00870	

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	%Conc.
1	1,2,3,4,6,7,8-HpCDD	38.58	4.683e1	5.785e1	0.81	YES	0.13799	0.00000



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Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
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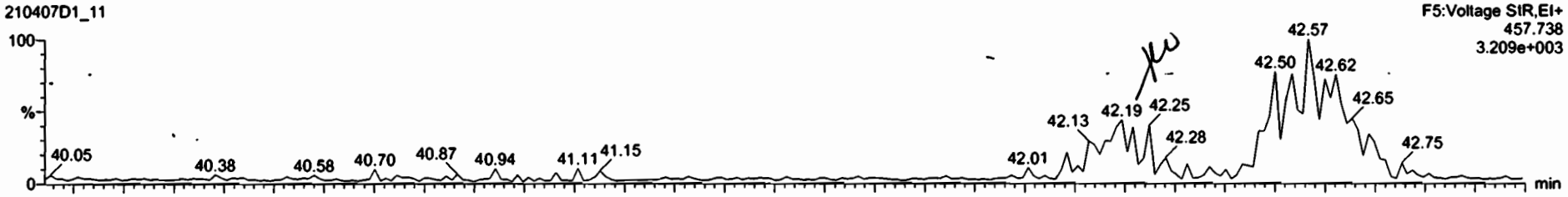
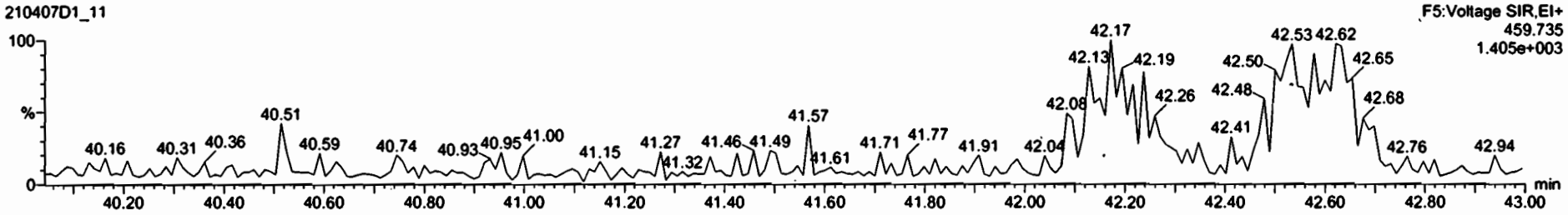
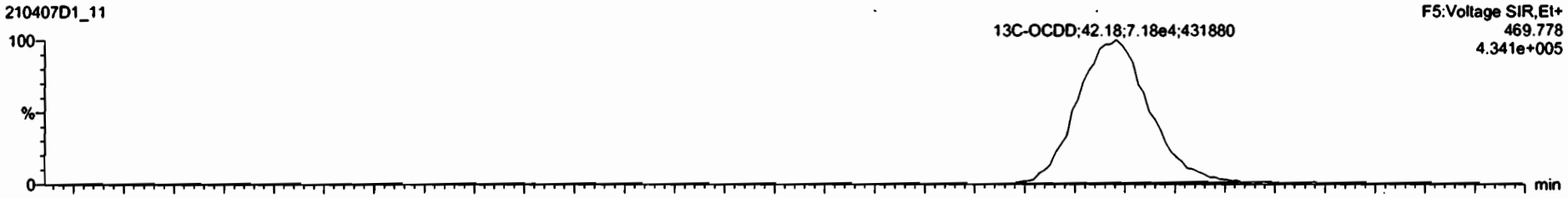
Name: 210407D1_11, Date: 07-Apr-2021, Time: 16:32:09, ID: 2103216-16 USMPDI-066RAB-10-20-210315 13.4, Description: USMPDI-066RAB-10-20-210315

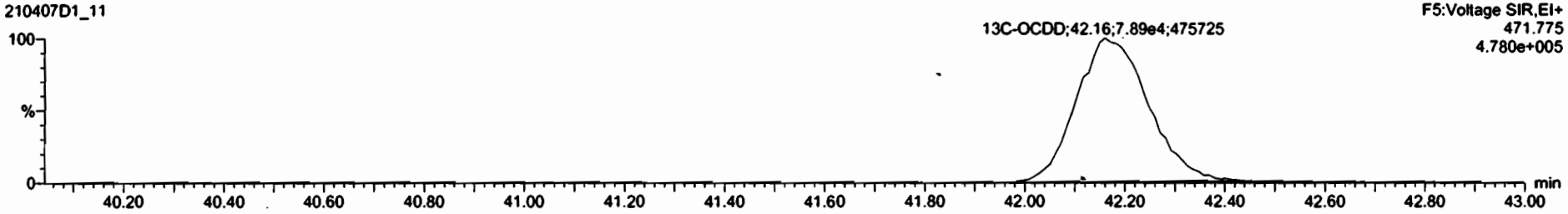
OCDD





13C-OCDD



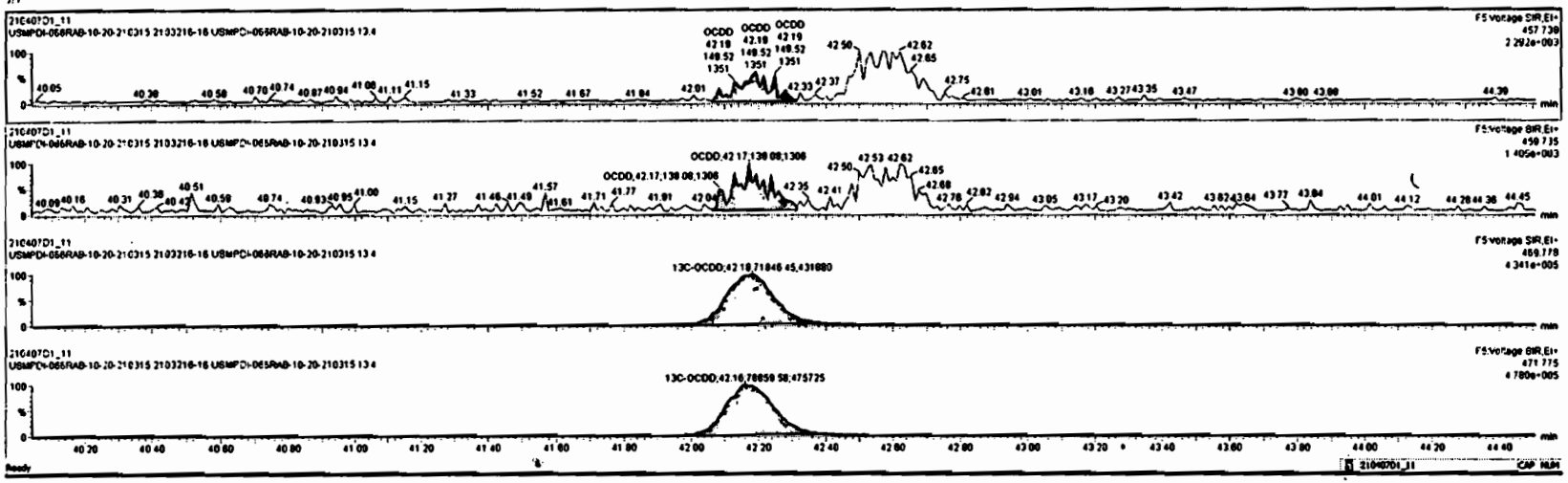


TargetLynx - 210407D1_11.qld * [Chromatogram]

File Edit View Display Processing Window Help

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD			NO	1.00	10.271					0.0359	
2	1,2,3,7,8-PeCDD			NO	0.96	10.271					0.0604	
3	1,2,3,4,7,8-HxCDD			NO	1.16	10.271					0.161	
4	1,2,3,6,7,8-HxCDD			NO	1.04	10.271					0.180	
5	1,2,3,7,8,9-HxCDD			NO	1.06	10.271					0.173	
6	1,2,3,4,6,7,8-HxCDD			NO	1.08	10.271					0.253	
7	OCDD	2.87e2	1.00	YES	0.98	10.271	42.19	1.000	0.798		0.839	0.880
8	2,3,7,8-TCDF			NO	0.99	10.271					0.0260	
9	1,2,3,7,8-PeCDF			NO	1.02	10.271					0.0594	

	Name	RT #	#1 Resp	#2 Resp	RA	n/y	EMPC	Conc.
1								

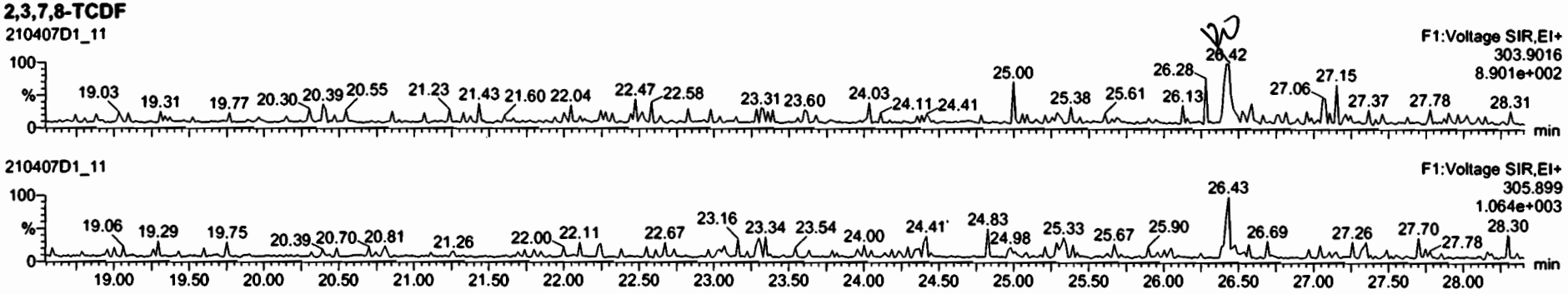


Dataset: Untitled

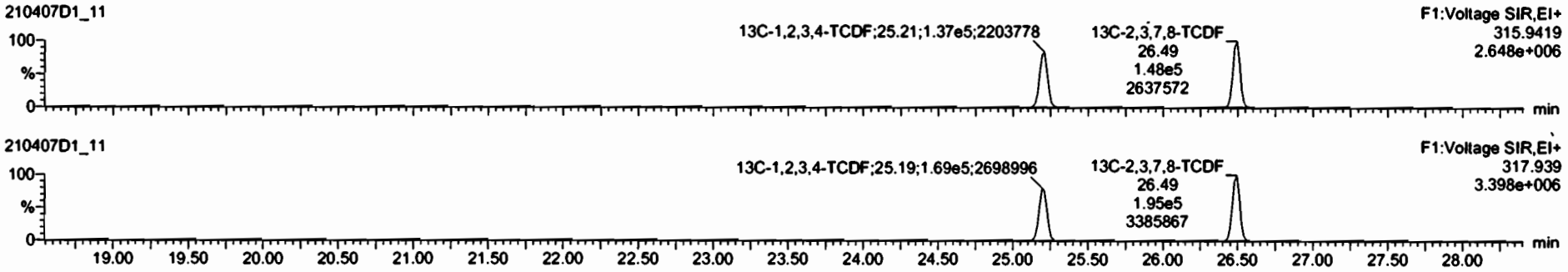
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_11, Date: 07-Apr-2021, Time: 16:32:09, ID: 2103216-16 USMPDI-066RAB-10-20-210315 13.4, Description: USMPDI-066RAB-10-20-210315

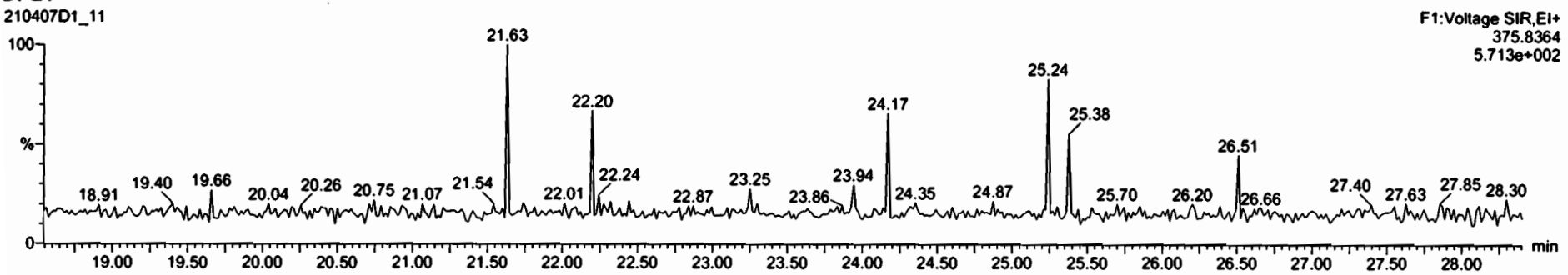
2,3,7,8-TCDF

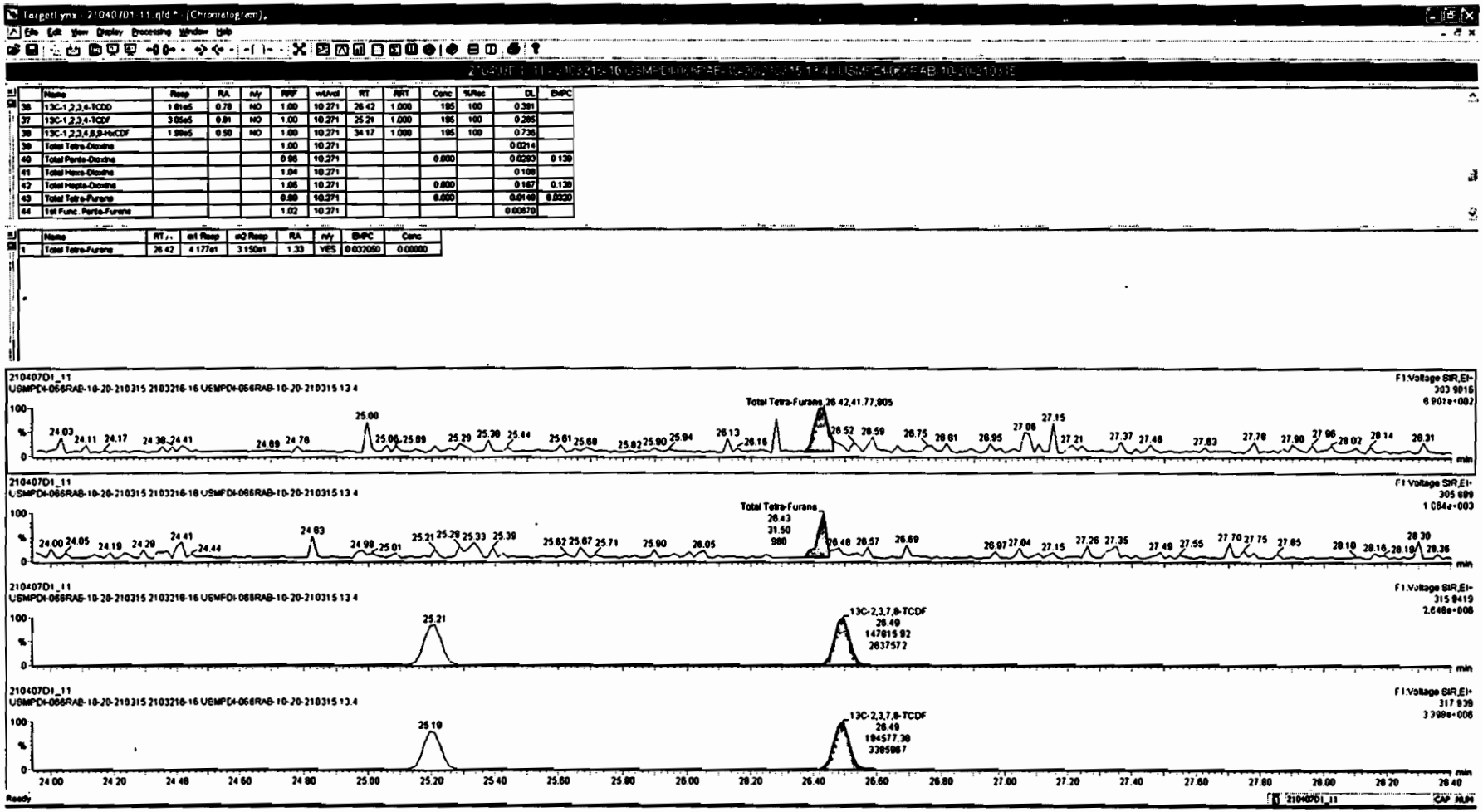


13C-2,3,7,8-TCDF



DPE1




Target1.pro - 210407D1-11.qld * - [Chromatogram]
File Edit View Display Processing Window Help
Name Resp RA m/y RRF wtAvd RT RRT Conc %Rec DL EMPC
38 13C-1,2,3,4-TCDD 1.01e5 0.78 NO 1.00 10.271 26.42 1.000 195 100 0.391
37 13C-1,2,3,4-TCDF 3.05e5 0.81 NO 1.00 10.271 25.21 1.000 195 100 0.285
39 13C-1,2,3,4,8,9-HxCDF 1.39e5 0.50 NO 1.00 10.271 34.17 1.000 195 100 0.736
39 Total Tetra-Dioxins 1.00 10.271 0.0214
40 Total Penta-Dioxins 0.98 10.271 0.000 0.0293 0.139
41 Total Hexa-Dioxins 1.04 10.271 0.108
42 Total Hepta-Dioxins 1.06 10.271 0.000 0.167 0.139
43 Total Tetra-Furans 0.88 10.271 0.000 0.0149 0.0320
44 1st Func. Penta-Furans 1.02 10.271 0.00879
Name RT m1 Resp m2 Resp RA m/y EMPC Conc
1 Total Tetra-Furans 26.42 4.177e1 3.150e1 1.33 YES 0.032050 0.00000
210407D1_11
USMPD4-066RAB-10-20-210315 2103216-16 USMPD4-066RAB-10-20-210315 13 4
F1:Voltage SIR,EI+
303 9016
6.901e+002
Total Tetra-Furans 26.42,41.77,805
210407D1_11
USMPD4-066RAB-10-20-210315 2103216-16 USMPD4-066RAB-10-20-210315 13 4
F1:Voltage SIR,EI+
305 899
1.064e+003
Total Tetra-Furans
26.43
31.50
980
210407D1_11
USMPD4-066RAB-10-20-210315 2103216-16 USMPD4-066RAB-10-20-210315 13 4
F1:Voltage SIR,EI+
315 9419
2.648e+006
25.21
13C-2,3,7,8-TCDF
26.49
147815.92
2637572
210407D1_11
USMPD4-066RAB-10-20-210315 2103216-16 USMPD4-066RAB-10-20-210315 13 4
F1:Voltage SIR,EI+
317 939
3.398e+006
25.19
13C-2,3,7,8-TCDF
26.49
184577.36
3385967
Ready
210407D1_11
CAP NUM

Dataset: Untitled

Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
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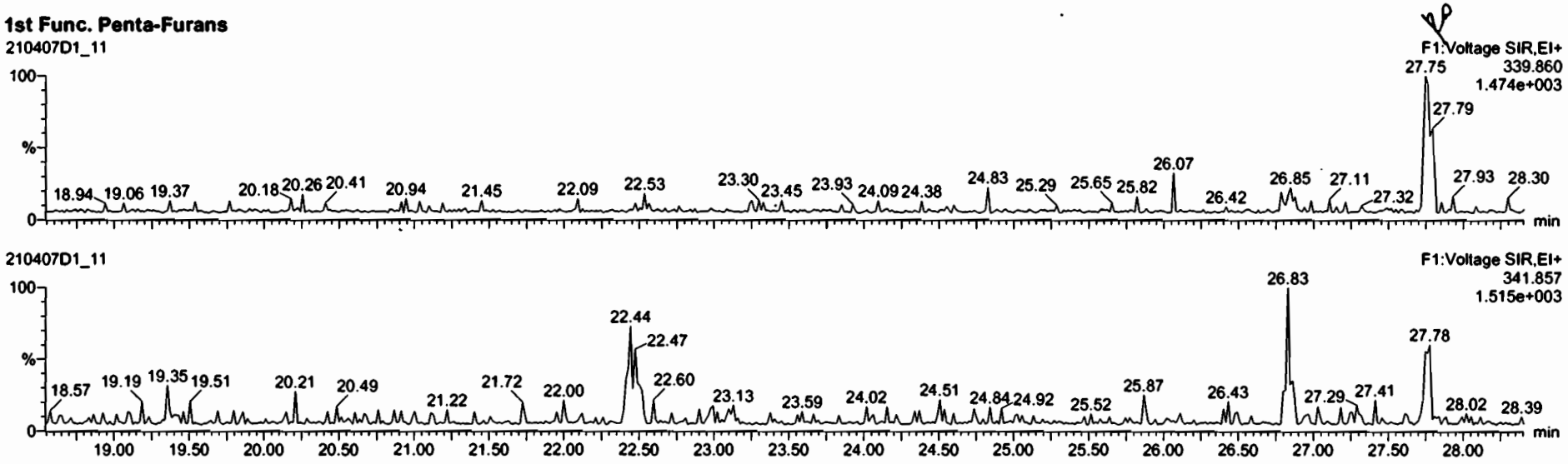
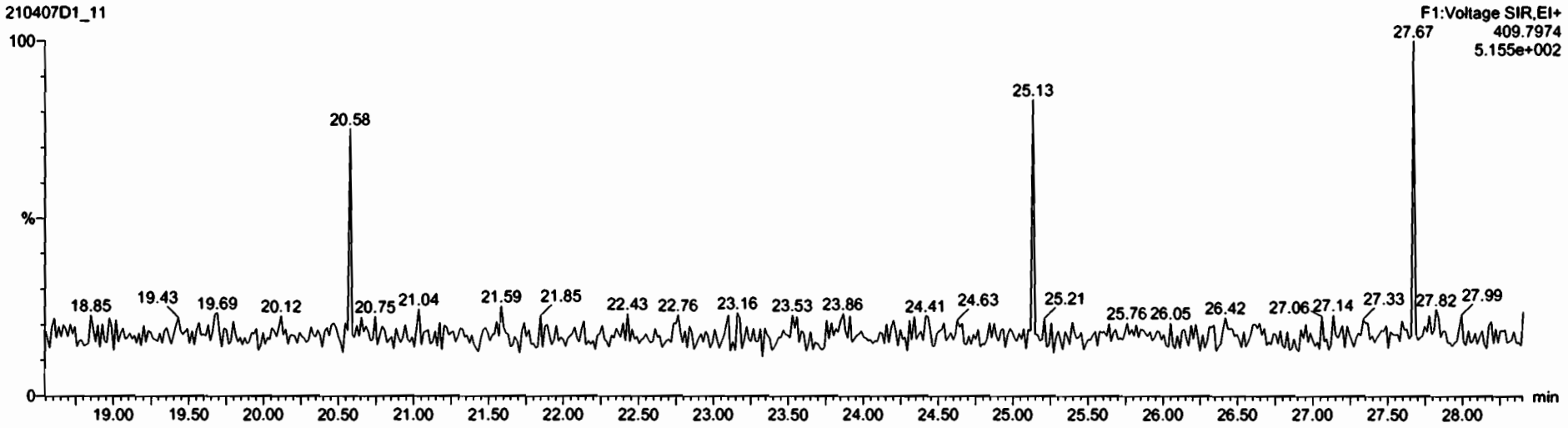
Name: 210407D1_11, Date: 07-Apr-2021, Time: 16:32:09, ID: 2103216-16 USMPDI-066RAB-10-20-210315 13.4, Description: USMPDI-066RAB-10-20-210315

1st Func. Penta-Furans



DPE6



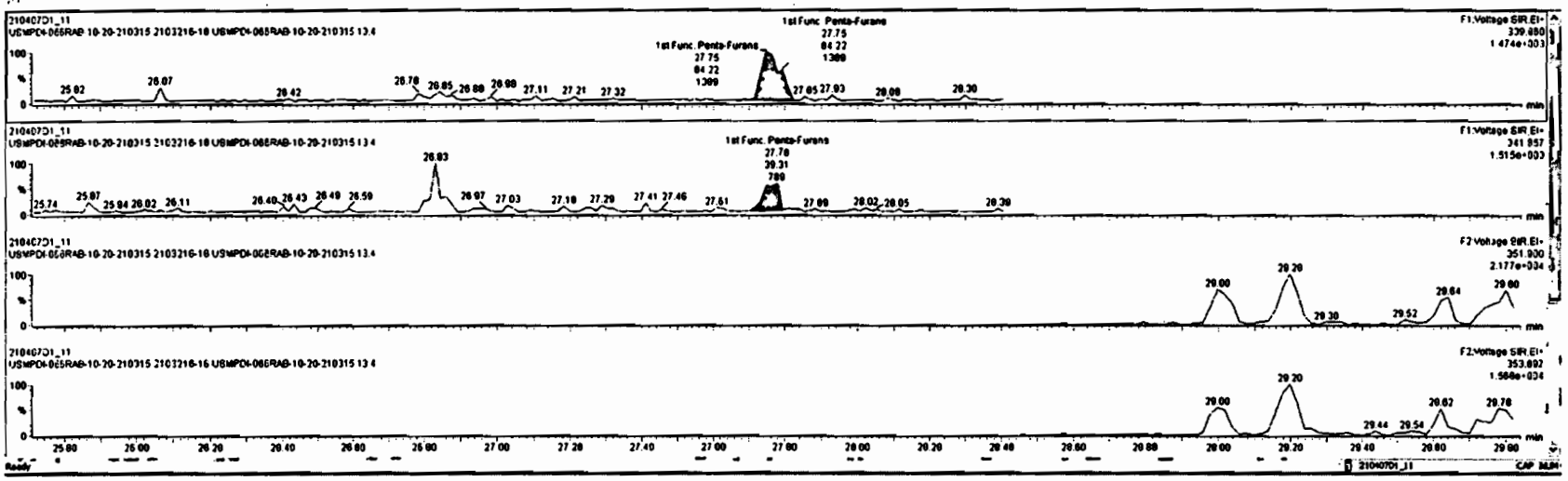
Target.ynx - 21040701-11.qld * - [Chromatogram]

File Edit View Display Processing Window Help

21040701_11 - 2103216-16 USMPDI-066RAB-10-20-210315 13.4 - USMPDI-066RAB-10-20-210315

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
36	13C-1,2,3,4-TCDD	1.81e5	0.79	NO	1.00	10.271	28.42	1.000	195	100	0.391	
37	13C-1,2,3,4-TCDF	3.05e5	0.81	NO	1.00	10.271	25.21	1.000	195	100	0.285	
38	13C-1,2,3,4,6,8-HxCDF	1.99e5	0.50	NO	1.00	10.271	34.17	1.000	195	100	0.736	
39	Total Tetra-Dioxins				1.00	10.271					0.0214	
40	Total Penta-Dioxins				0.95	10.271			0.000		0.0293	0.139
41	Total Hexa-Dioxins				1.04	10.271					0.108	
42	Total Hepta-Dioxins				1.06	10.271			0.000		0.167	0.138
43	Total Tetra-Furans				0.99	10.271			0.000		0.0149	0.0320
44	1st Func. Penta-Furans				1.02	10.271			0.000		0.00870	0.0887

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	1st Func. Penta-Furans	27.75	8.422e1	3.831e1	2.14	YES	0.000663	0.00000



Dataset: Untitled

Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
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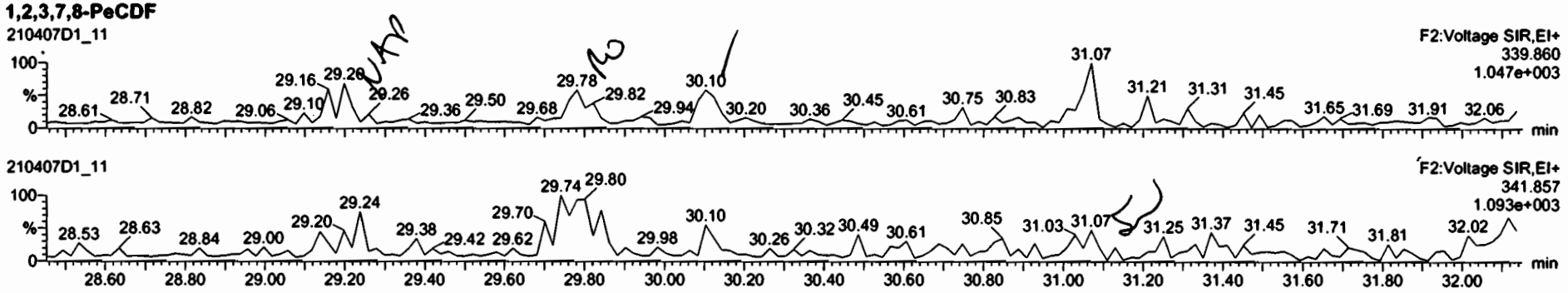
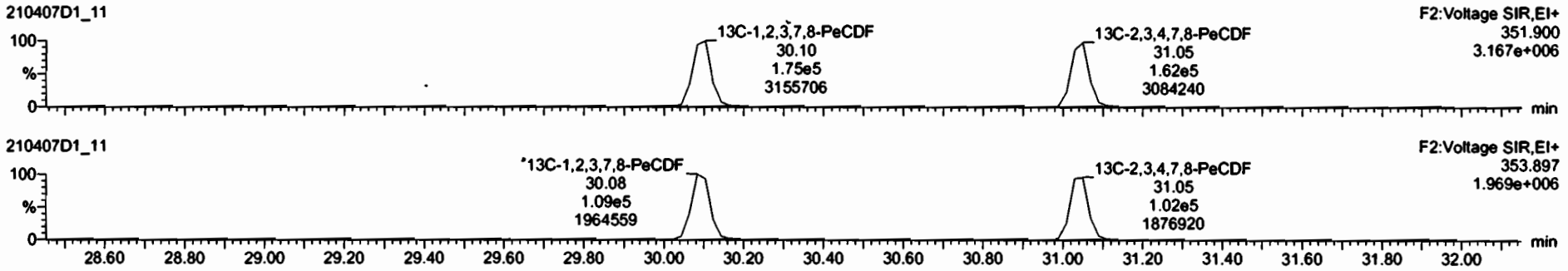
Name: 210407D1_11, Date: 07-Apr-2021, Time: 16:32:09, ID: 2103216-16 USMPDI-066RAB-10-20-210315 13.4, Description: USMPDI-066RAB-10-20-210315

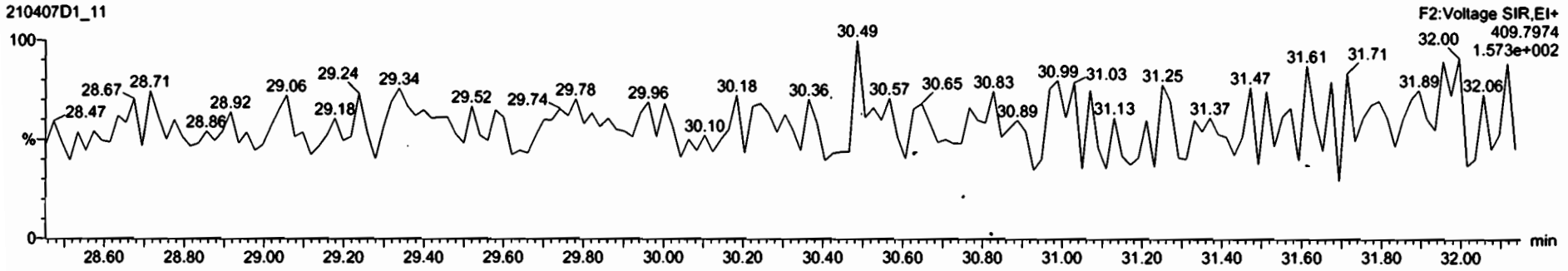
1,2,3,7,8-PeCDF

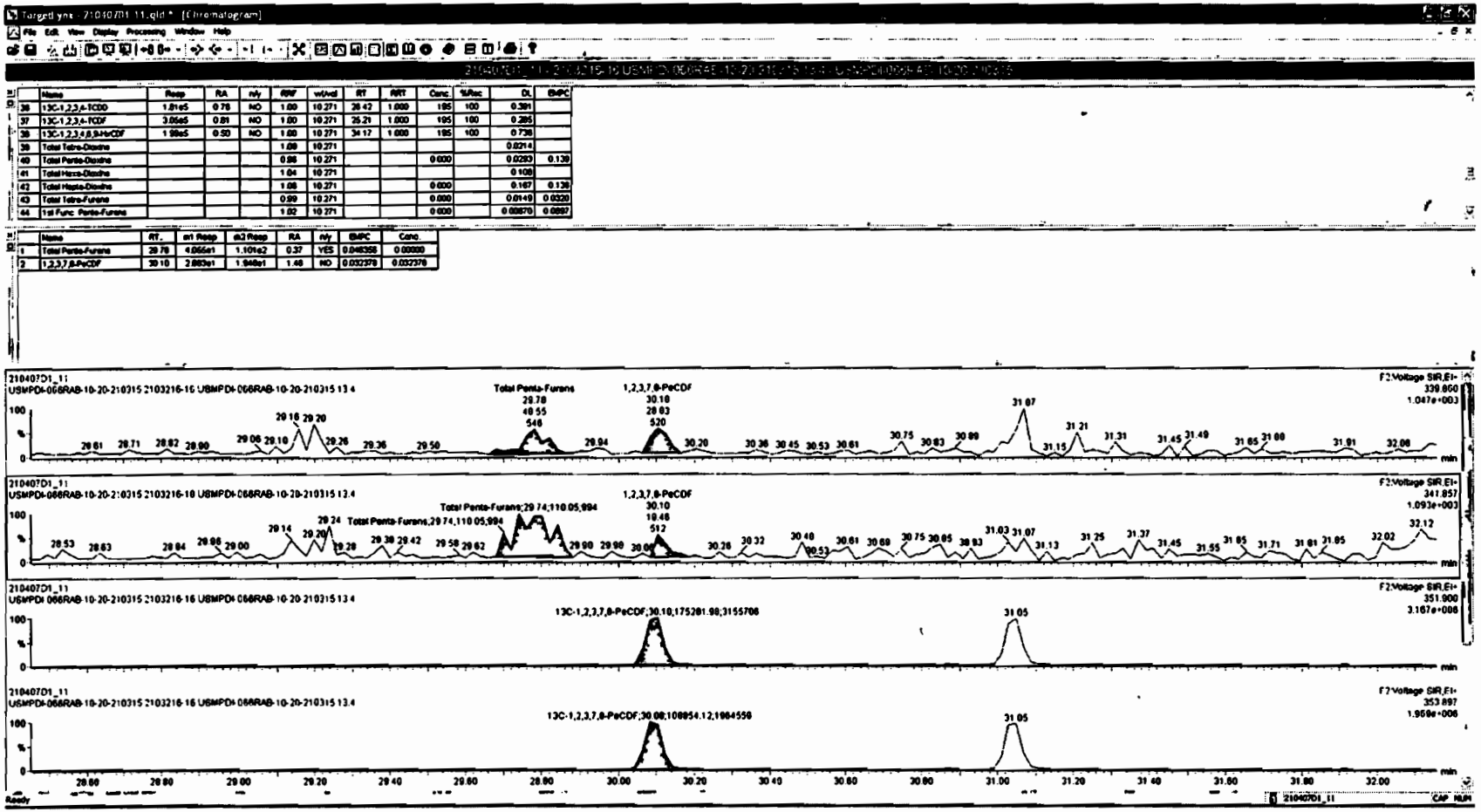


13C-1,2,3,7,8-PeCDF



DPE2




Targetlynx - 210407D1_11.qld * [Chromatogram]
File Edit View Display Processing Window Help
Name Resp RA n/y RRF w/Avd RT ART Conc. %Rec DL EMPC
38 13C-1,2,3,4-TCDD 1.81e5 0.78 NO 1.00 10.271 28.42 1.000 195 100 0.391
37 13C-1,2,3,4-TCDF 3.05e5 0.81 NO 1.00 10.271 26.21 1.000 195 100 0.285
39 13C-1,2,3,4,6,9-HxCDF 1.99e5 0.50 NO 1.00 10.271 34.17 1.000 195 100 0.736
39 Total Tetra-Dioxins 1.00 10.271 0.8214
40 Total Penta-Dioxins 0.86 10.271 0.000 0.0293 0.139
41 Total Hexa-Dioxins 1.04 10.271 0.108
42 Total Hepta-Dioxins 1.08 10.271 0.000 0.167 0.139
43 Total Tetra-Furans 0.99 10.271 0.000 0.0149 0.0320
44 1st Func. Penta-Furans 1.02 10.271 0.000 0.00870 0.0897
Name RT. an1 Resp an2 Resp RA n/y EMPC Conc.
1 Total Penta-Furans 29.78 4.066e1 1.101e2 0.37 YES 0.048358 0.00000
2 1,2,3,7,8-PeCDF 30.10 2.883e1 1.948e1 1.48 NO 0.032378 0.032378
210407D1_11
USMPDI-066RAB-10-20-210315 2103216-16 USMPDI-066RAB-10-20-210315 13.4
Total Penta-Furans
29.78
48.55
548
1,2,3,7,8-PeCDF
30.10
28.83
520
F2:Voltage SIR,EI+
339.800
1.047e+003
210407D1_11
USMPDI-066RAB-10-20-210315 2103216-16 USMPDI-066RAB-10-20-210315 13.4
Total Penta-Furans;29.74,110.05,994
1,2,3,7,8-PeCDF
30.10
19.48
512
F2:Voltage SIR,EI+
341.857
1.093e+003
210407D1_11
USMPDI-066RAB-10-20-210315 2103216-16 USMPDI-066RAB-10-20-210315 13.4
13C-1,2,3,7,8-PeCDF;30.10,175281.98;3155706
31.05
F2:Voltage SIR,EI+
351.900
3.167e+006
210407D1_11
USMPDI-066RAB-10-20-210315 2103216-16 USMPDI-066RAB-10-20-210315 13.4
13C-1,2,3,7,8-PeCDF;30.08,108954.12;1984556
31.05
F2:Voltage SIR,EI+
353.897
1.959e+006
min
Ready
210407D1_11
CAP NUM

Dataset: Untitled

Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
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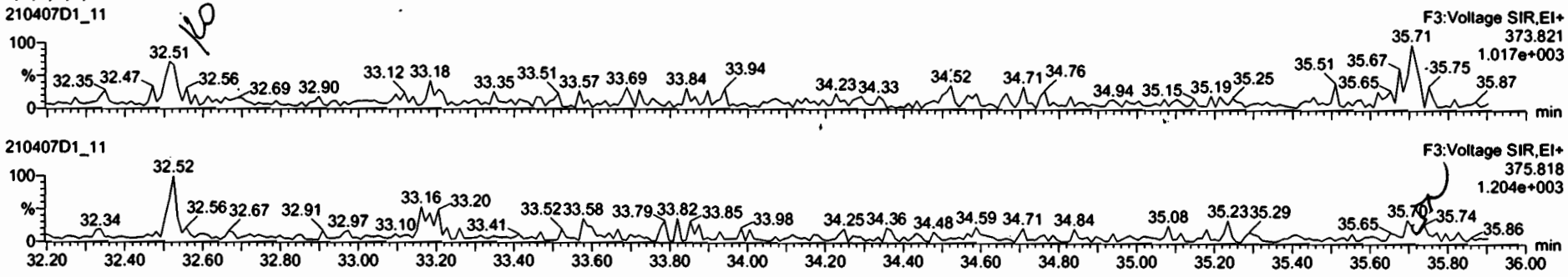
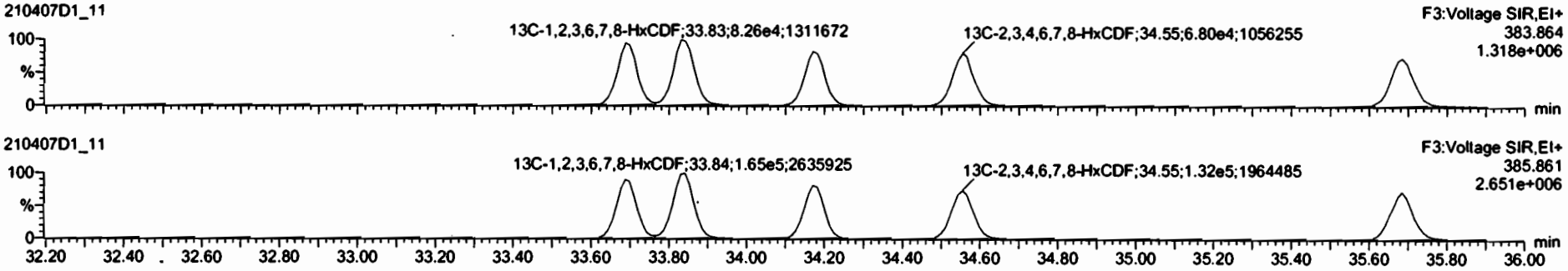
Name: 210407D1_11, Date: 07-Apr-2021, Time: 16:32:09, ID: 2103216-16 USMPDI-066RAB-10-20-210315 13.4, Description: USMPDI-066RAB-10-20-210315

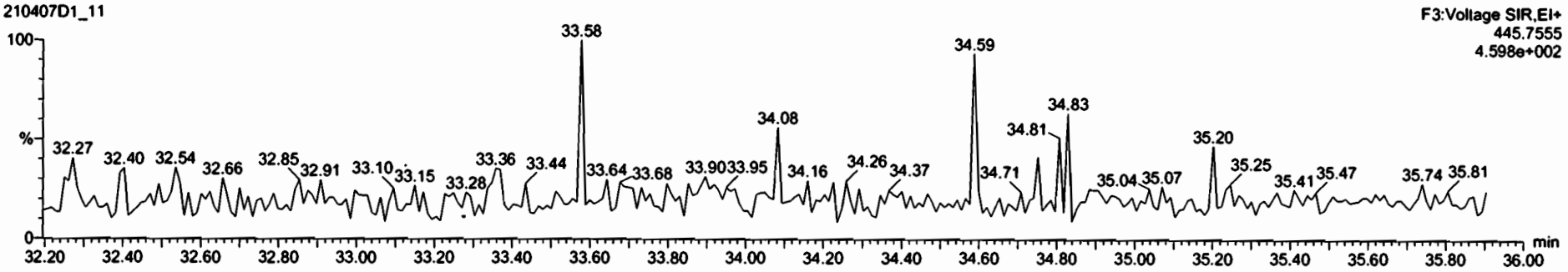
1,2,3,4,7,8-HxCDF

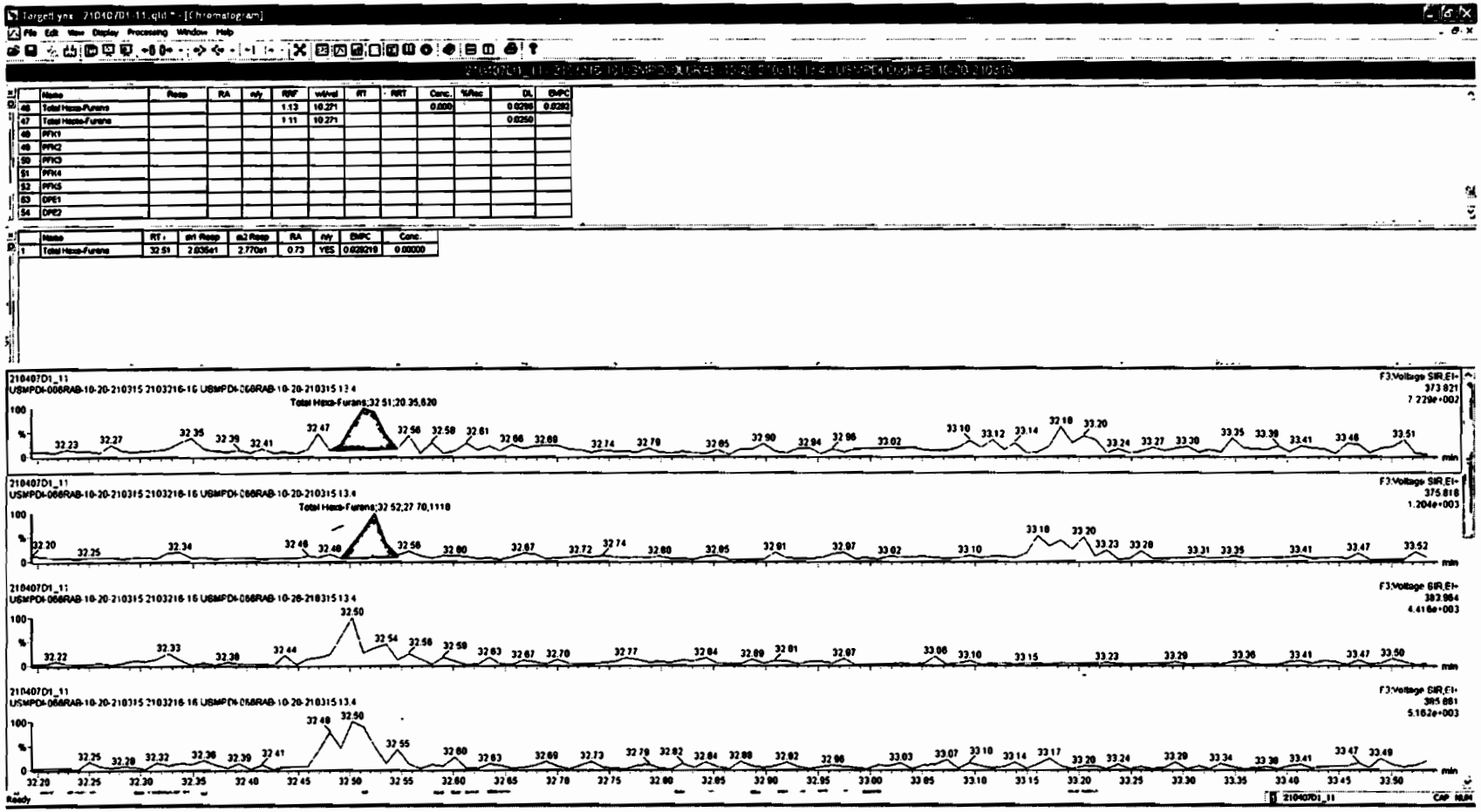


13C-1,2,3,4,7,8-HxCDF



DPE3





	Name	Resp	RA	o/y	RRF	wavel	RT	RRT	Conc.	%Rec	DL	EMPC
46	Total Hexa-Furans				1.13	10.271			0.000		0.0298	0.0292
47	Total Hepta-Furans				1.11	10.271					0.0250	
48	PFK1											
49	PFK2											
50	PFK3											
51	PFK4											
52	PFK5											
53	DPE1											
54	DPE2											

	Name	RT	on1 Resp	on2 Resp	RA	o/y	EMPC	Conc.
1	Total Hexa-Furans	32.51	2.836e1	2.770e1	0.73	YES	0.029219	0.00000

Dataset: Untitled

Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
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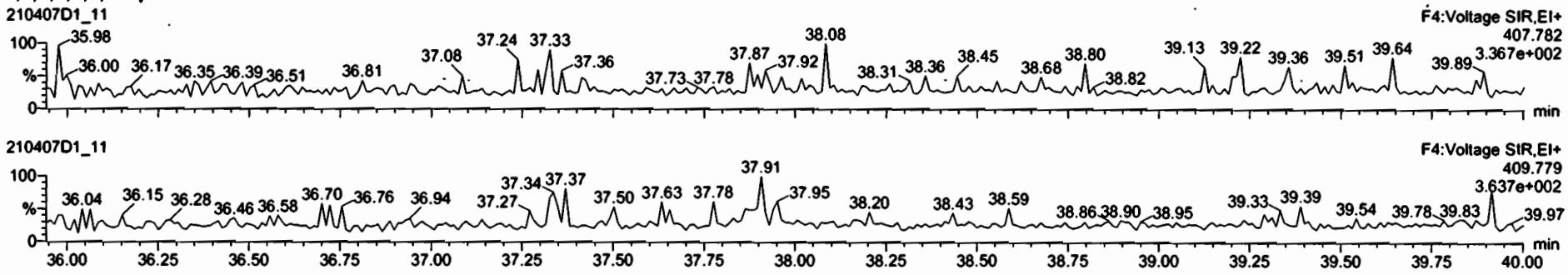
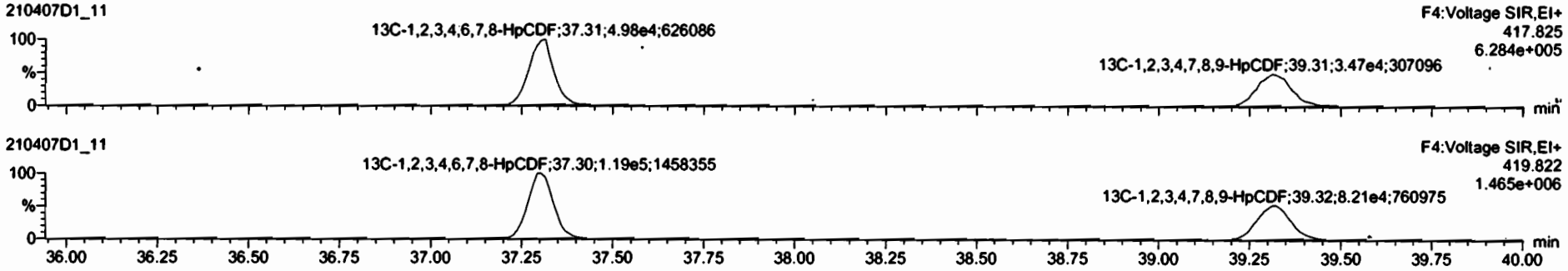
Name: 210407D1_11, Date: 07-Apr-2021, Time: 16:32:09, ID: 2103216-16 USMPDI-066RAB-10-20-210315 13.4, Description: USMPDI-066RAB-10-20-210315

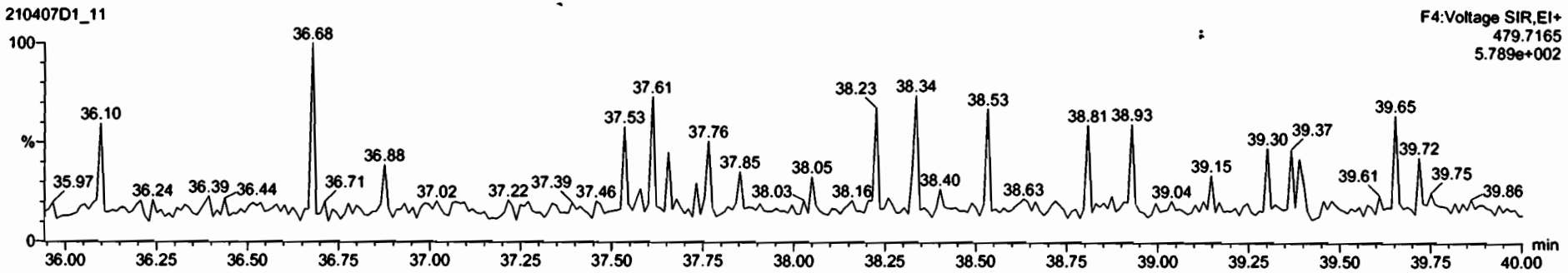
1,2,3,4,6,7,8-HpCDF



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



DPE4



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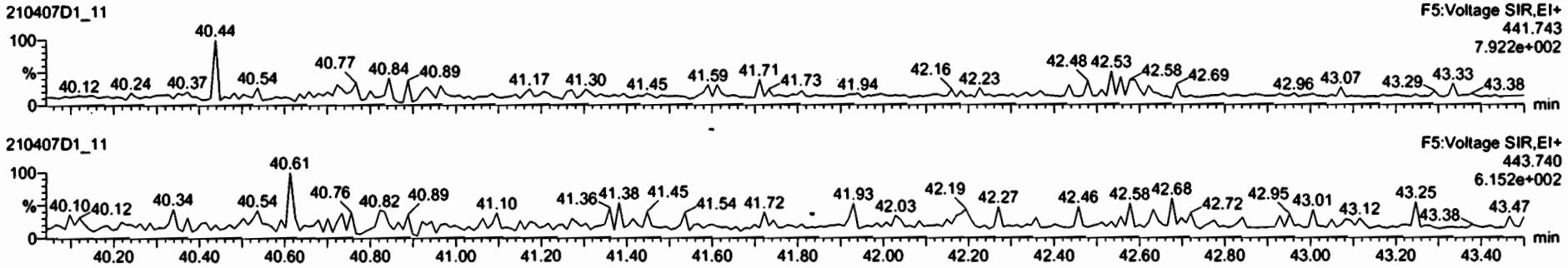
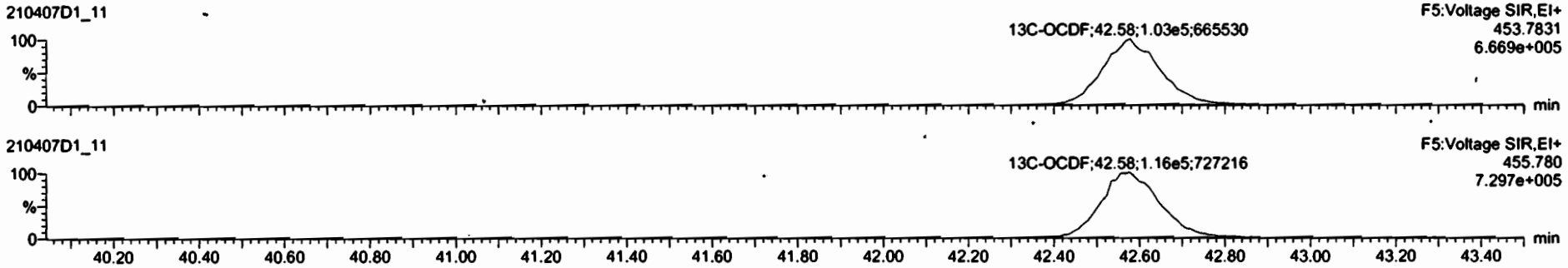
Name: 210407D1_11, Date: 07-Apr-2021, Time: 16:32:09, ID: 2103216-16 USMPDI-066RAB-10-20-210315 13.4, Description: USMPDI-066RAB-10-20-210315

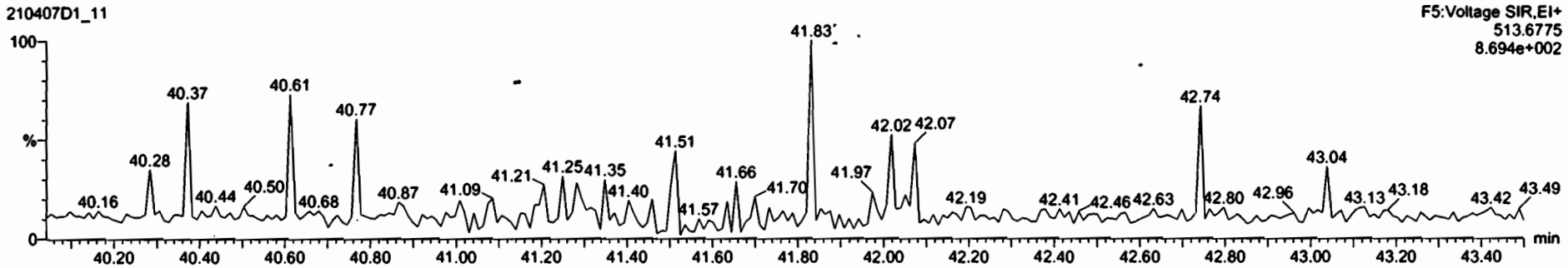
OCDF



13C-OCDF



DPE5



Dataset: Untitled

Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
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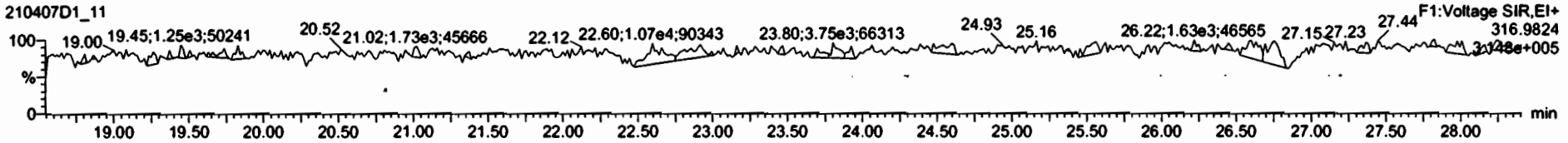
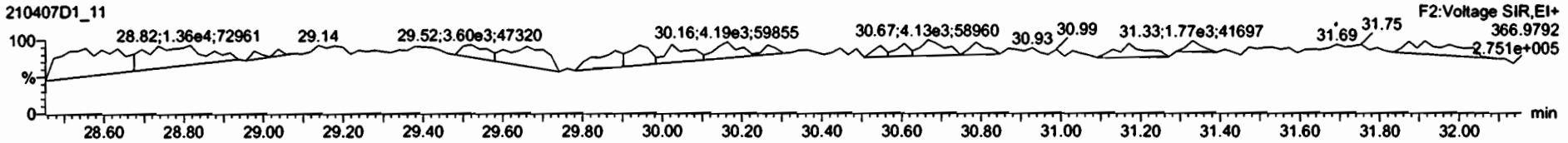
Name: 210407D1_11, Date: 07-Apr-2021, Time: 16:32:09, ID: 2103216-16 USMPDI-066RAB-10-20-210315 13.4, Description: USMPDI-066RAB-10-20-210315

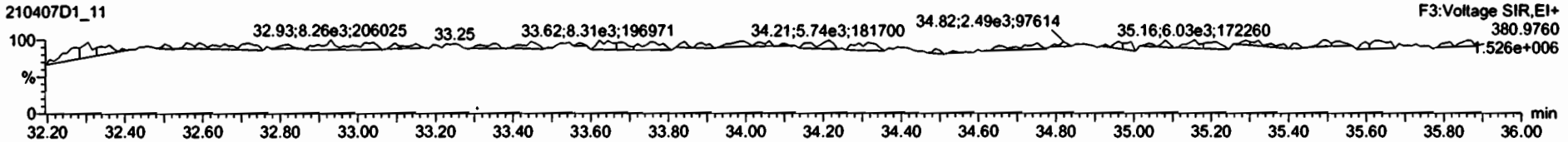
PFK1



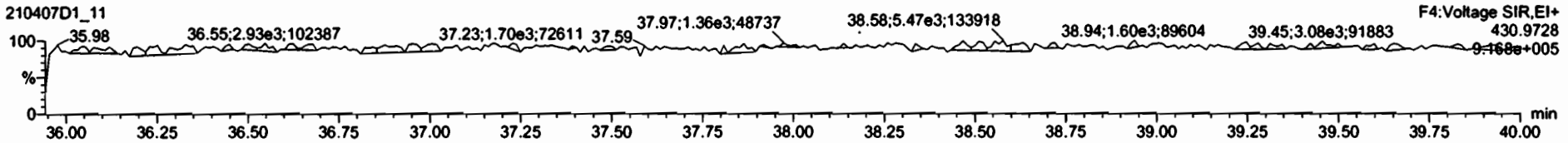
PFK2



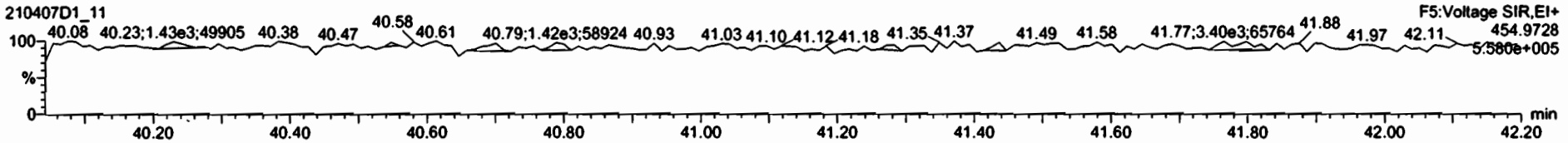
PFK3



PFK4



PFK5



Dataset: U:\VG7.PRO\Results\210407D1\210407D1-12.qld

Last Altered: Saturday, April 17, 2021 11:46:14 Pacific Daylight Time
Printed: Saturday, April 17, 2021 11:46:44 Pacific Daylight Time

4.17.2021 CT 04/21/2021

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_4-6-21.mdb 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210407D1_12, Date: 07-Apr-2021, Time: 17:18:48, ID: 2103216-17 USMPDI-066RAB-20-22.5-210315 14.1, Description: USMPDI-066RAB-20-22.5-210315, Task: ST210407D1-1

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD			NO	0.998	10.029					0.0439	
2	1,2,3,7,8-PeCDD			NO	0.961	10.029					0.104	
3	1,2,3,4,7,8-HxCDD			NO	1.18	10.029					0.217	
4	1,2,3,6,7,8-HxCDD			NO	1.04	10.029					0.229	
5	1,2,3,7,8,9-HxCDD			NO	1.06	10.029					0.219	
6	1,2,3,4,6,7,8-HpCDD	7.39e2	1.13	NO	1.06	10.029	38.55	1.000	1.1412		0.304	1.14
7	OCDD	2.86e3	0.91	NO	0.977	10.029	42.25	1.000	7.6242		0.897	7.62
8	2,3,7,8-TCDF			NO	0.989	10.029					0.0250	
9	1,2,3,7,8-PeCDF	4.91e1	1.36	NO	1.02	10.029	30.10	1.000	0.035476		0.00812	0.0355
10	2,3,4,7,8-PeCDF			NO	1.17	10.029					0.0246	
11	1,2,3,4,7,8-HxCDF			NO	1.14	10.029					0.0325	
12	1,2,3,6,7,8-HxCDF			NO	1.04	10.029					0.0328	
13	2,3,4,6,7,8-HxCDF			NO	1.13	10.029					0.0382	
14	1,2,3,7,8,9-HxCDF			NO	1.07	10.029					0.0433	
15	1,2,3,4,6,7,8-HpCDF			NO	1.11	10.029					0.0310	
16	1,2,3,4,7,8,9-HpCDF			NO	1.32	10.029					0.0497	
17	OCDF			NO	0.931	10.029					0.178	
18	13C-2,3,7,8-TCDD	2.29e5	0.85	NO	1.20	10.029	27.08	1.024	220.42	111	0.312	
19	13C-1,2,3,7,8-PeCDD	1.69e5	0.63	NO	0.864	10.029	31.21	1.181	226.54	114	0.256	
20	13C-1,2,3,4,7,8-HxCDD	1.34e5	1.31	NO	0.600	10.029	34.69	1.015	235.33	118	0.669	
21	13C-1,2,3,6,7,8-HxCDD	1.51e5	1.30	NO	0.674	10.029	34.83	1.019	235.76	118	0.596	
22	13C-1,2,3,7,8,9-HxCDD	1.53e5	1.28	NO	0.679	10.029	35.14	1.028	236.94	119	0.591	
23	13C-1,2,3,4,6,7,8-HpCDD	1.22e5	1.05	NO	0.558	10.029	38.56	1.128	229.45	115	0.866	
24	13C-OCDD	1.53e5	0.92	NO	0.496	10.029	42.24	1.236	324.26	81.3	1.51	
25	13C-2,3,7,8-TCDF	3.48e5	0.79	NO	1.03	10.029	26.49	1.002	240.45	121	0.359	
26	13C-1,2,3,7,8-PeCDF	2.70e5	1.61	NO	0.805	10.029	30.10	1.139	237.34	119	0.596	
27	13C-2,3,4,7,8-PeCDF	2.47e5	1.60	NO	0.748	10.029	31.05	1.175	234.12	117	0.641	
28	13C-1,2,3,4,7,8-HxCDF	2.12e5	0.51	NO	0.968	10.029	33.70	0.986	230.36	116	0.575	
29	13C-1,2,3,6,7,8-HxCDF	2.35e5	0.50	NO	1.08	10.029	33.84	0.990	227.83	114	0.513	
30	13C-2,3,4,6,7,8-HxCDF	2.01e5	0.51	NO	0.960	10.029	34.56	1.011	220.09	110	0.580	

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-12.qld

Last Altered: Saturday, April 17, 2021 11:46:14 Pacific Daylight Time
Printed: Saturday, April 17, 2021 11:46:44 Pacific Daylight Time

Name: 210407D1_12, Date: 07-Apr-2021, Time: 17:18:48, ID: 2103216-17 USMPDI-066RAB-20-22.5-210315 14.1, Description: USMPDI-066RAB-20-22.5-210315, Task: ST210407D1-1

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	1.99e5	0.51	NO	0.869	10.029	35.69	1.044	241.04	121	0.641	
32	13C-1,2,3,4,6,7,8-HpCDF	1.70e5	0.42	NO	0.794	10.029	37.28	1.091	225.36	113	0.835	
33	13C-1,2,3,4,7,8,9-HpCDF	1.21e5	0.42	NO	0.586	10.029	39.31	1.150	217.68	109	1.13	
34	13C-OCDF	2.23e5	0.91	NO	0.711	10.029	42.59	1.246	329.57	82.6	0.427	
35	37Cl-2,3,7,8-TCDD	8.50e4			1.11	10.029	27.09	1.025	88.927	111	0.0538	
36	13C-1,2,3,4-TCDD	1.72e5	0.76	NO	1.00	10.029	26.43	1.000	199.43	100	0.375	
37	13C-1,2,3,4-TCDF	2.82e5	0.81	NO	1.00	10.029	25.21	1.000	199.43	100	0.368	
38	13C-1,2,3,4,6,9-HxCDF	1.90e5	0.49	NO	1.00	10.029	34.18	1.000	199.43	100	0.557	
39	Total Tetra-Dioxins				0.998	10.029					0.0214	
40	Total Penta-Dioxins				0.961	10.029			0.00000		0.0586	0.271
41	Total Hexa-Dioxins				1.04	10.029			0.81225		0.233	0.812
42	Total Hepta-Dioxins				1.06	10.029			2.8157		0.304	2.82
43	Total Tetra-Furans				0.989	10.029			0.00000		0.0119	0.0275
44	1st Func. Penta-Furans				1.02	10.029					0.00871	
45	Total Penta-Furans				1.02	10.029			0.035476		0.00825	0.0868
46	Total Hexa-Furans				1.13	10.029					0.0194	
47	Total Hepta-Furans				1.11	10.029					0.0284	

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-12.qld

Last Altered: Saturday, April 17, 2021 11:46:14 Pacific Daylight Time
Printed: Saturday, April 17, 2021 11:46:44 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_4-6-21.mdb 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210407D1_12, Date: 07-Apr-2021, Time: 17:18:48, ID: 2103216-17 USMPDI-066RAB-20-22.5-210315 14.1, Description: USMPDI-066RAB-20-22.5-210315, Task: ST210407D1-1

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	29.64	7.130e2	1.635e3	2.852e1	7.847e1	0.36	YES	0.000e0	0.00000	0.090557	0.104
2	Total Penta-Dioxins	29.76	9.070e2	2.925e3	5.676e1	2.561e2	0.22	YES	0.000e0	0.00000	0.18026	0.104

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hexa-Dioxins	32.90	6.076e3	4.955e3	3.461e2	2.731e2	1.27	NO	6.192e2	0.81225	0.81225	0.233

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hepta-Dioxins	37.60	6.587e3	8.082e3	5.555e2	5.288e2	1.05	NO	1.084e3	1.6746	1.6746	0.304
2	1,2,3,4,6,7,8-HpCDD	38.55	3.556e3	3.175e3	3.922e2	3.468e2	1.13	NO	7.389e2	1.1412	1.1412	0.304

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Tetra-Furans	23.36	4.620e2	6.610e2	3.203e1	2.683e1	1.19	YES	0.000e0	0.00000	0.027482	0.0119

Penta-Furans function 1

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

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-12.qld

Last Altered: Saturday, April 17, 2021 11:46:14 Pacific Daylight Time
Printed: Saturday, April 17, 2021 11:46:44 Pacific Daylight Time

Name: 210407D1_12, Date: 07-Apr-2021, Time: 17:18:48, ID: 2103216-17 USMPDI-066RAB-20-22.5-210315 14.1, Description: USMPDI-066RAB-20-22.5-210315, Task: ST210407D1-1

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Penta-Furans	29.78	8.970e2	8.570e2	4.131e1	7.347e1	0.56	YES	0.000e0	0.00000	0.051276	0.00825
2	1,2,3,7,8-PeCDF	30.10	5.810e2	4.280e2	2.832e1	2.075e1	1.36	NO	4.908e1	0.035476	0.035476	0.00812

Hexa-Furans

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

Hepta-Furans

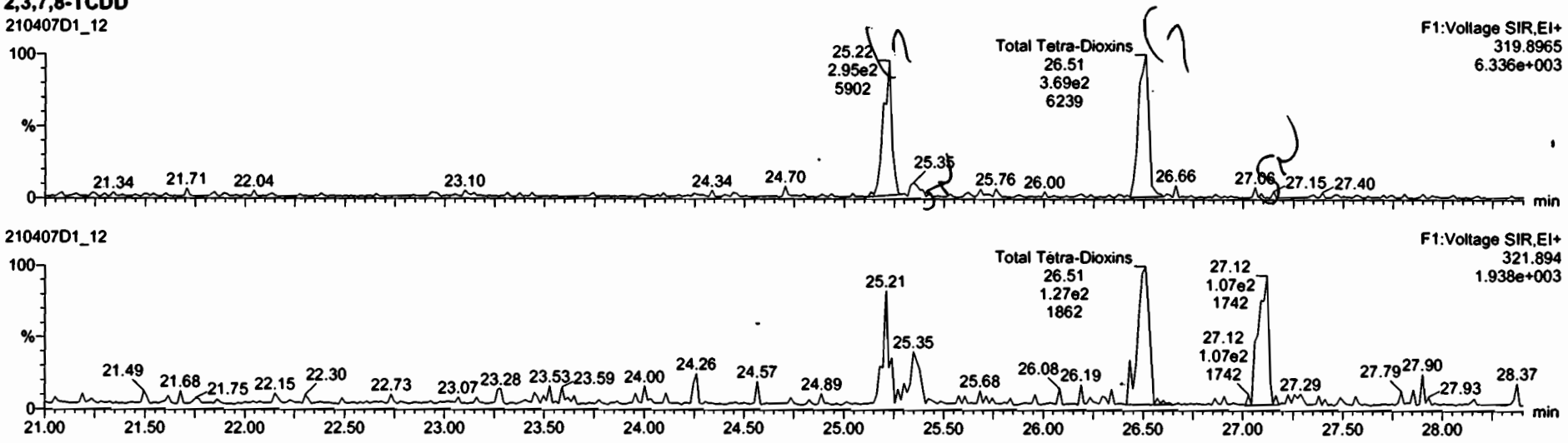
	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1												

Dataset: Untitled

Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_12, Date: 07-Apr-2021, Time: 17:18:48, ID: 2103216-17 USMPDI-066RAB-20-22.5-210315 14.1, Description: USMPDI-066RAB-20-22.5-210315

2,3,7,8-TCDD



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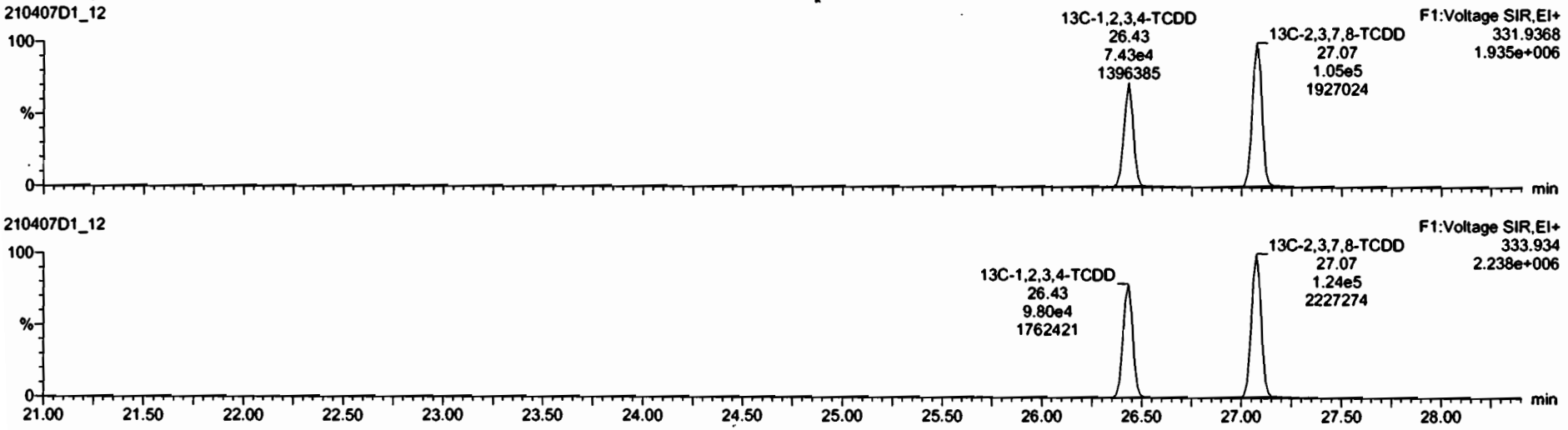

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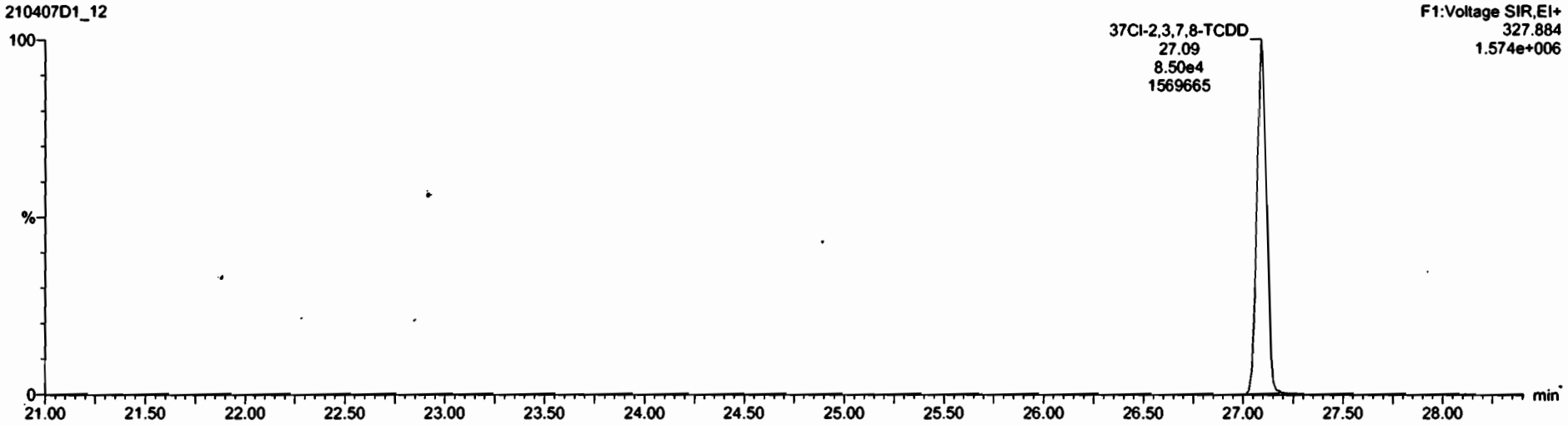
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_12, Date: 07-Apr-2021, Time: 17:18:48, ID: 2103216-17 USMPDI-066RAB-20-22.5-210315 14.1, Description: USMPDI-066RAB-20-22.5-210315

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



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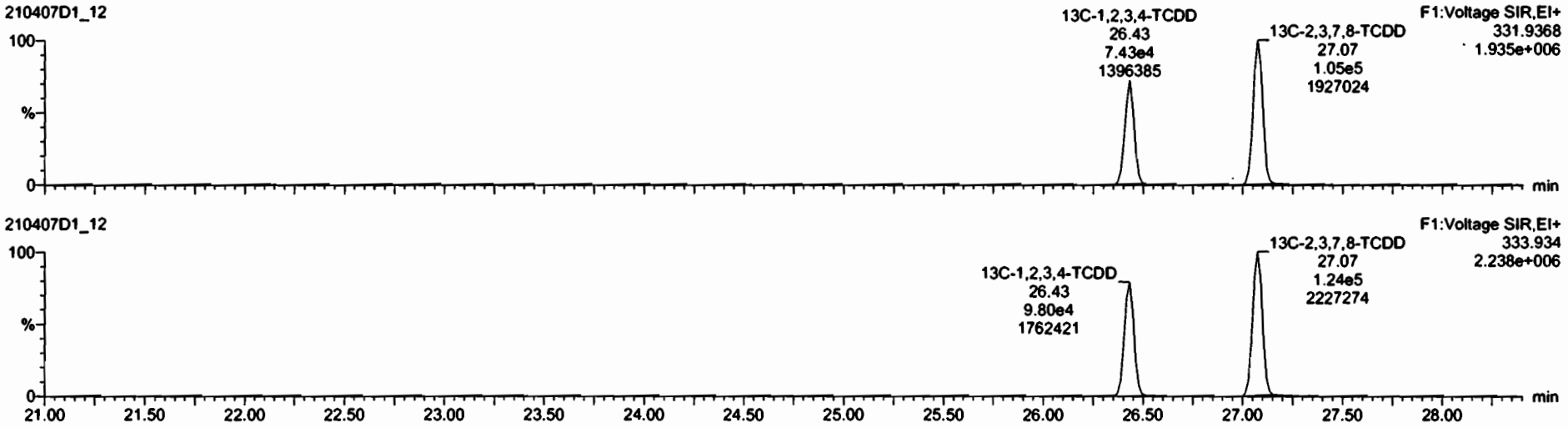

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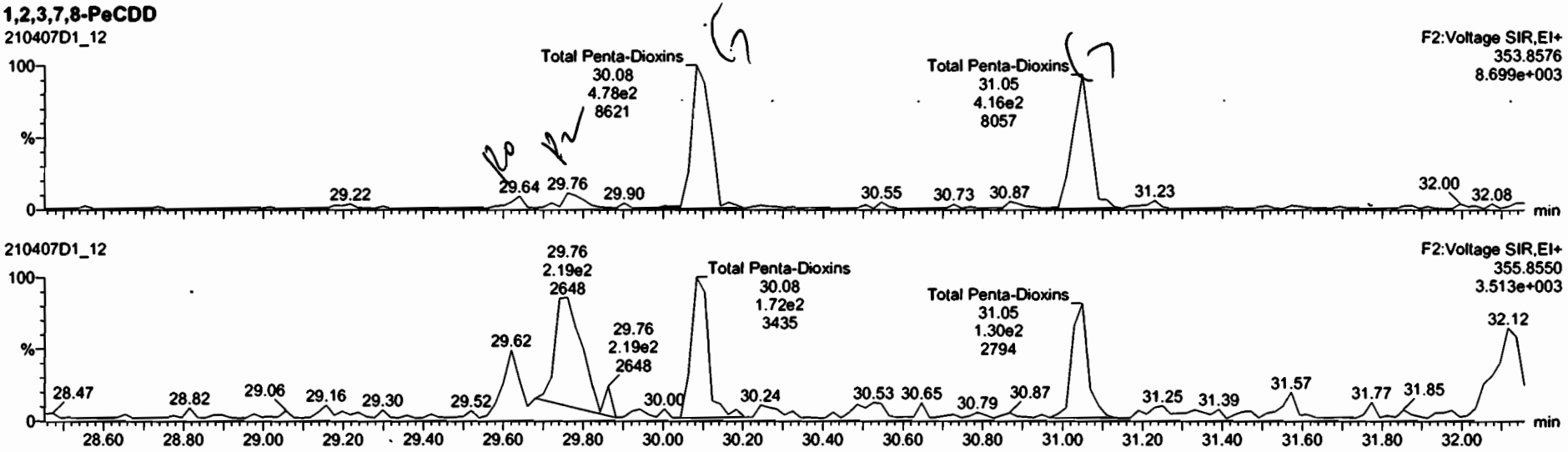
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_12, Date: 07-Apr-2021, Time: 17:18:48, ID: 2103216-17 USMPDI-066RAB-20-22.5-210315 14.1, Description: USMPDI-066RAB-20-22.5-210315

1,2,3,7,8-PeCDD



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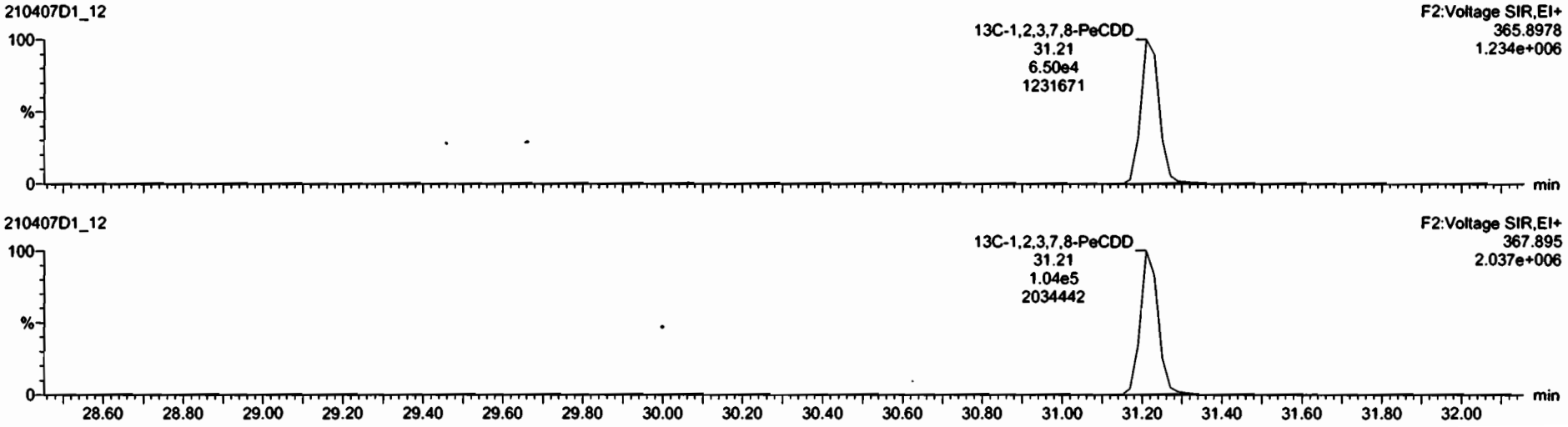
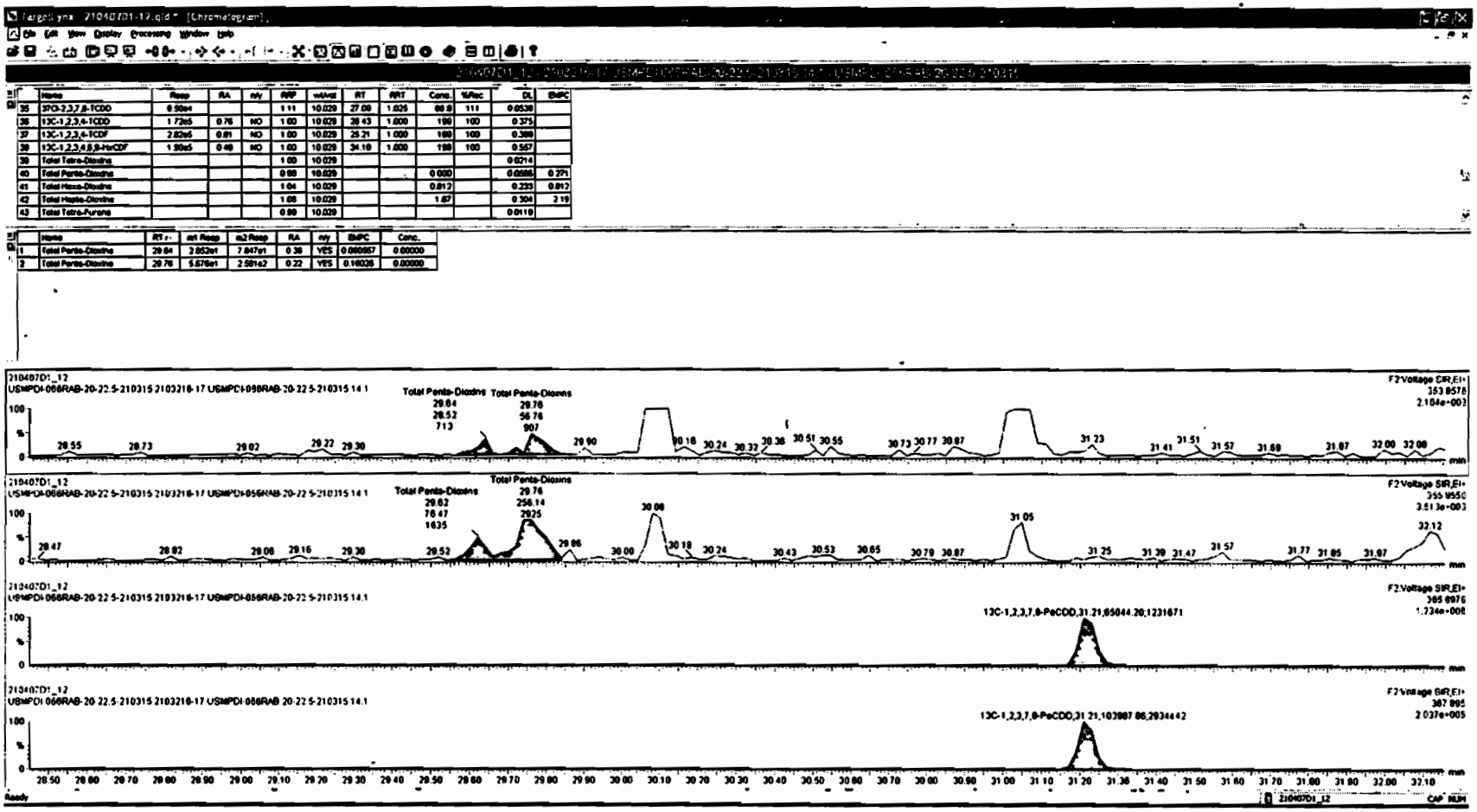




	Name	Resp	RA	m/y	ARP	mAmt	RT	ART	Conc.	%Rec	DL	EMPC
35	37Cl-2,3,7,8-TCDD	0.50e4			1.11	10.029	27.08	1.026	66.9	111	0.0538	
36	13C-1,2,3,4-TCDD	1.72e5	0.76	NO	1.00	10.029	26.43	1.000	100	100	0.375	
37	13C-1,2,3,4-TCDF	2.82e5	0.81	NO	1.00	10.029	25.21	1.000	100	100	0.388	
38	13C-1,2,3,4,6,9-HxCDF	1.90e5	0.49	NO	1.00	10.029	34.19	1.000	100	100	0.557	
39	Total Tetra-Dioxins				1.00	10.029					0.0214	
40	Total Penta-Dioxins				0.98	10.029			0.000		0.0586	0.371
41	Total Hexa-Dioxins				1.04	10.029			0.812		0.233	0.812
42	Total Hepta-Dioxins				1.05	10.029			1.67		0.304	2.19
43	Total Tetra-Furans				0.89	10.029					0.0119	

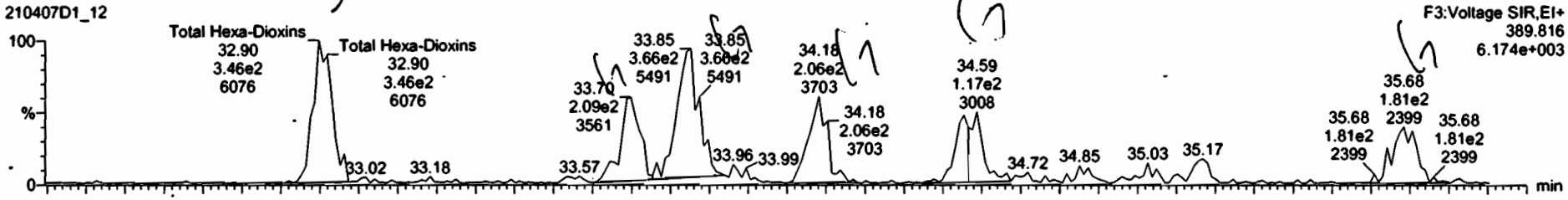
	Name	RT r	ion1 Resp	ion2 Resp	RA	m/y	EMPC	Conc.
1	Total Penta-Dioxins	29.64	2.852e1	7.847e1	0.36	YES	0.000857	0.00000
2	Total Penta-Dioxins	29.76	5.876e1	2.581e2	0.22	YES	0.16026	0.00000

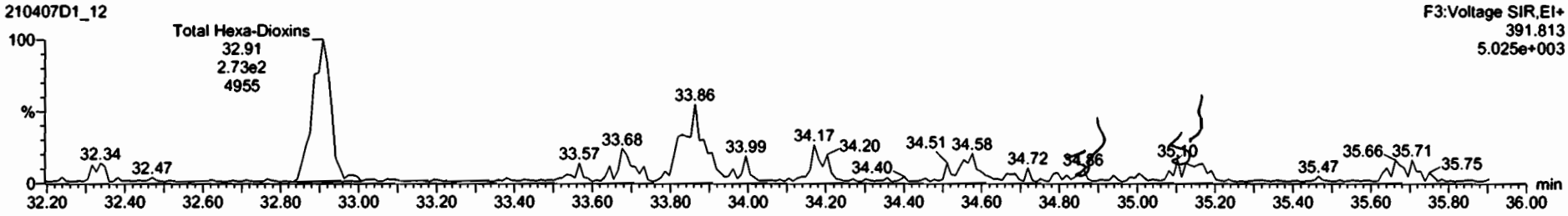
Dataset: Untitled

Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_12, Date: 07-Apr-2021, Time: 17:18:48, ID: 2103216-17 USMPDI-066RAB-20-22.5-210315 14.1, Description: USMPDI-066RAB-20-22.5-210315

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





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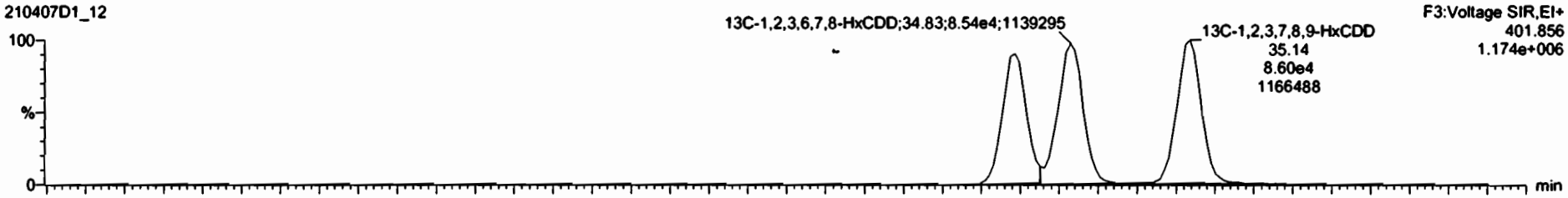

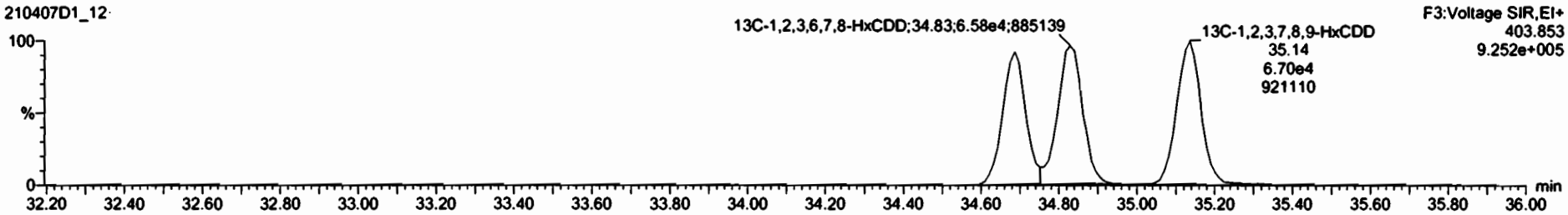

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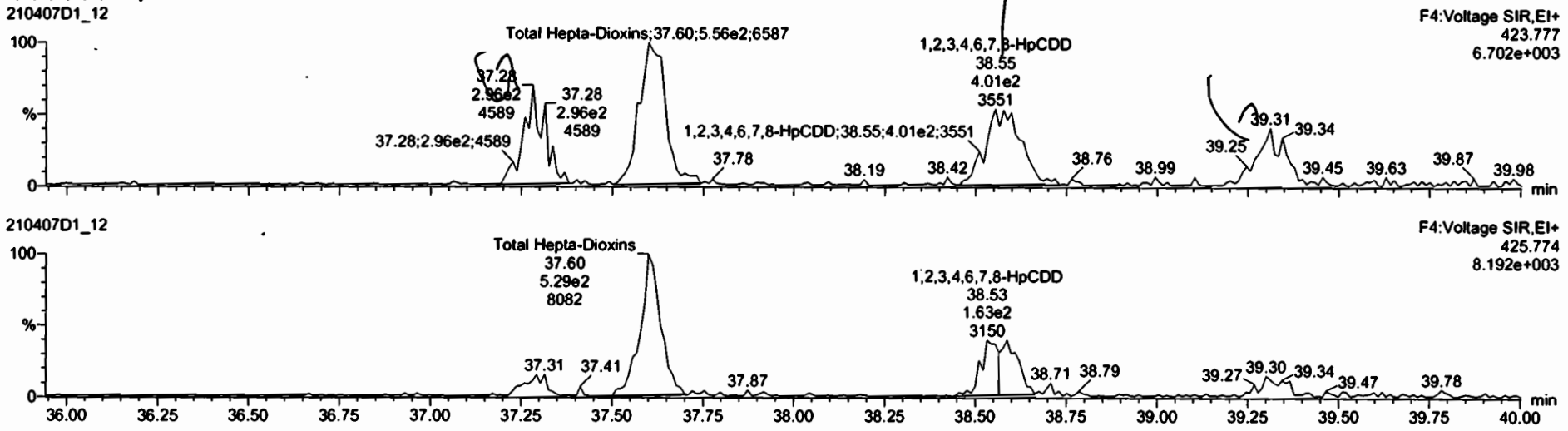
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_12, Date: 07-Apr-2021, Time: 17:18:48, ID: 2103216-17 USMPDI-066RAB-20-22.5-210315 14.1, Description: USMPDI-066RAB-20-22.5-210315

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



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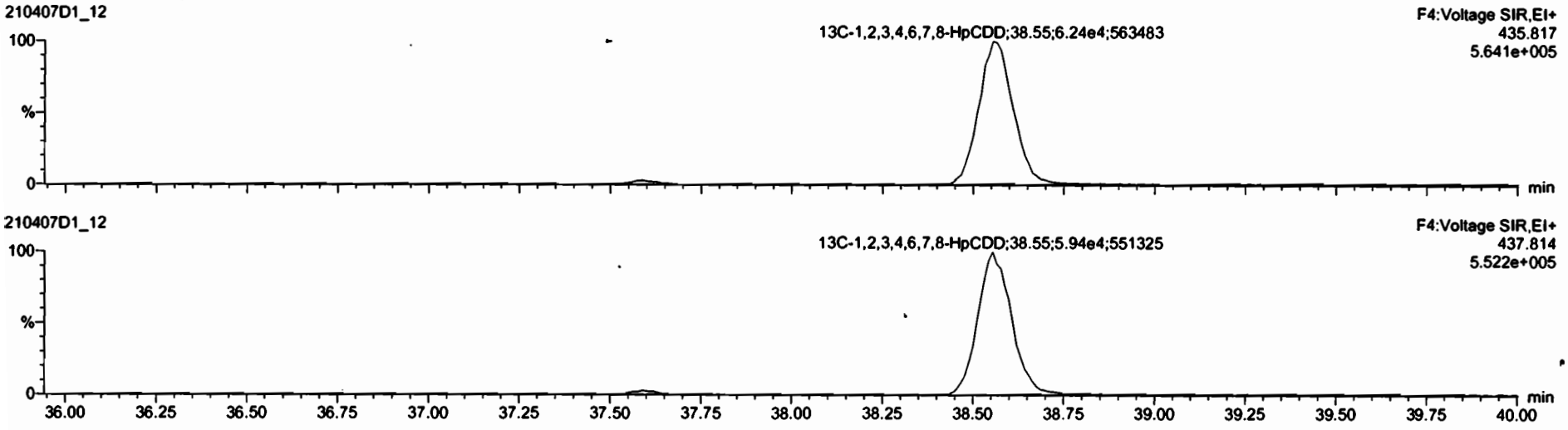

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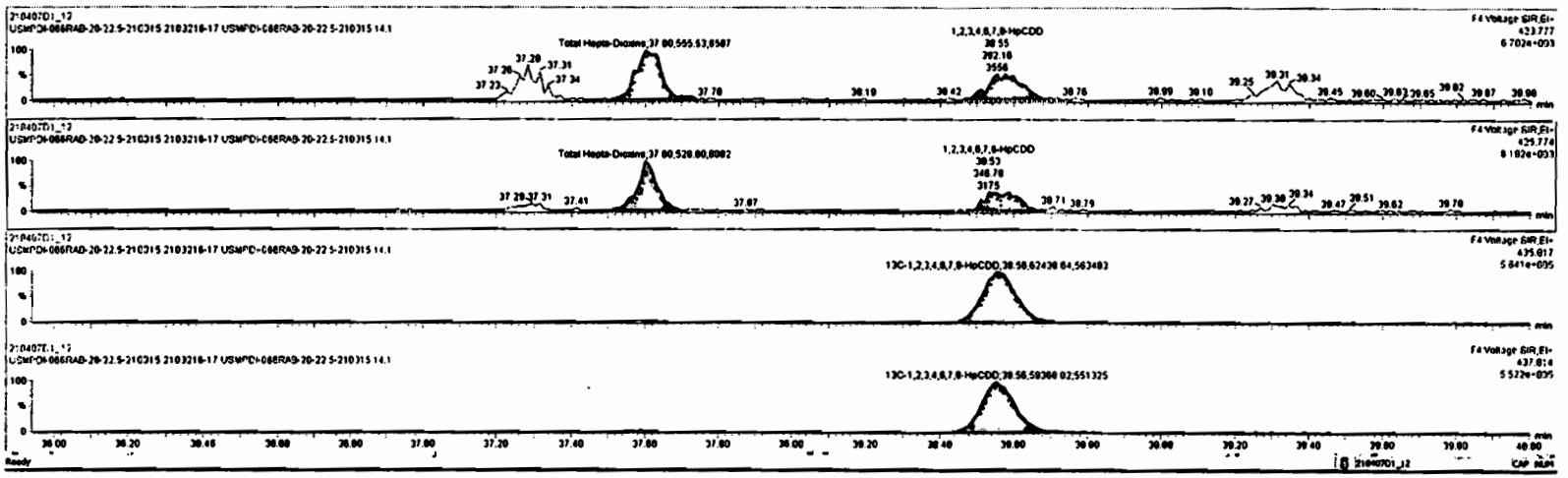
	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
35	37Cl-2,3,7,8-TCDD	8.50e4			1.11	10.029	27.88	1.025	88.9	111	0.0538	
36	13C-1,2,3,4-TCDD	1.72e5	0.78	NO	1.00	10.029	28.43	1.000	199	100	0.375	
37	13C-1,2,3,4-TCDF	2.82e5	0.81	NO	1.00	10.029	25.21	1.000	199	100	0.388	
38	13C-1,2,3,4,6,8-HxCDF	1.90e5	0.40	NO	1.00	10.029	34.10	1.000	199	100	0.567	
39	Total Tetra-Dioxins				1.00	10.029					0.0214	
40	Total Penta-Dioxins				0.98	10.029			0.000		0.0586	0.271
41	Total Hexa-Dioxins				1.04	10.029			0.012		0.233	0.012
42	Total Hepta-Dioxins				1.00	10.029			2.82		0.304	2.82
43	Total Tetra-Furans				0.99	10.029					0.0119	

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc
1	Total Hepta-Dioxins	37.80	6.556e2	5.288e2	1.05	NO	1.6746	1.6746
2	1,2,3,4,6,7,8-HpCDD	38.55	3.922e2	3.468e2	1.13	NO	1.1412	1.1412



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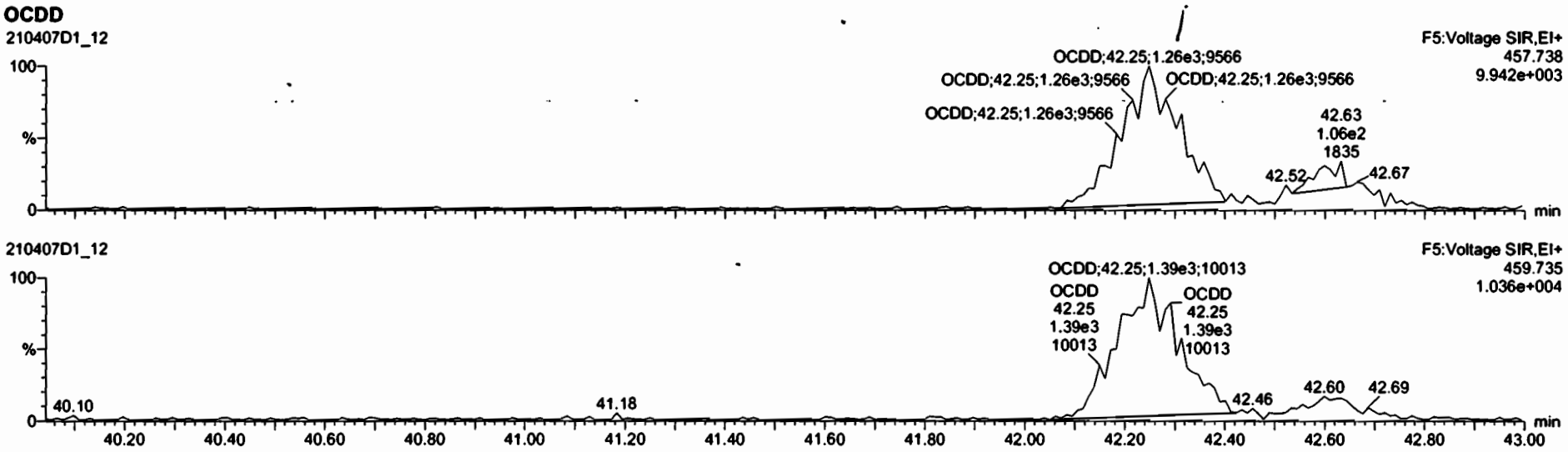
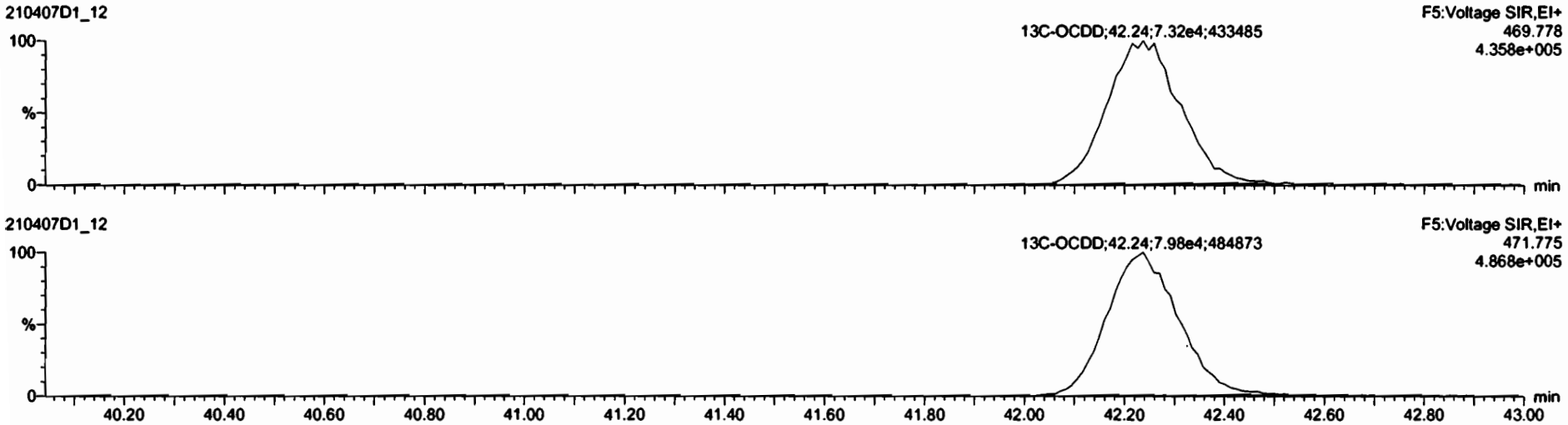
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

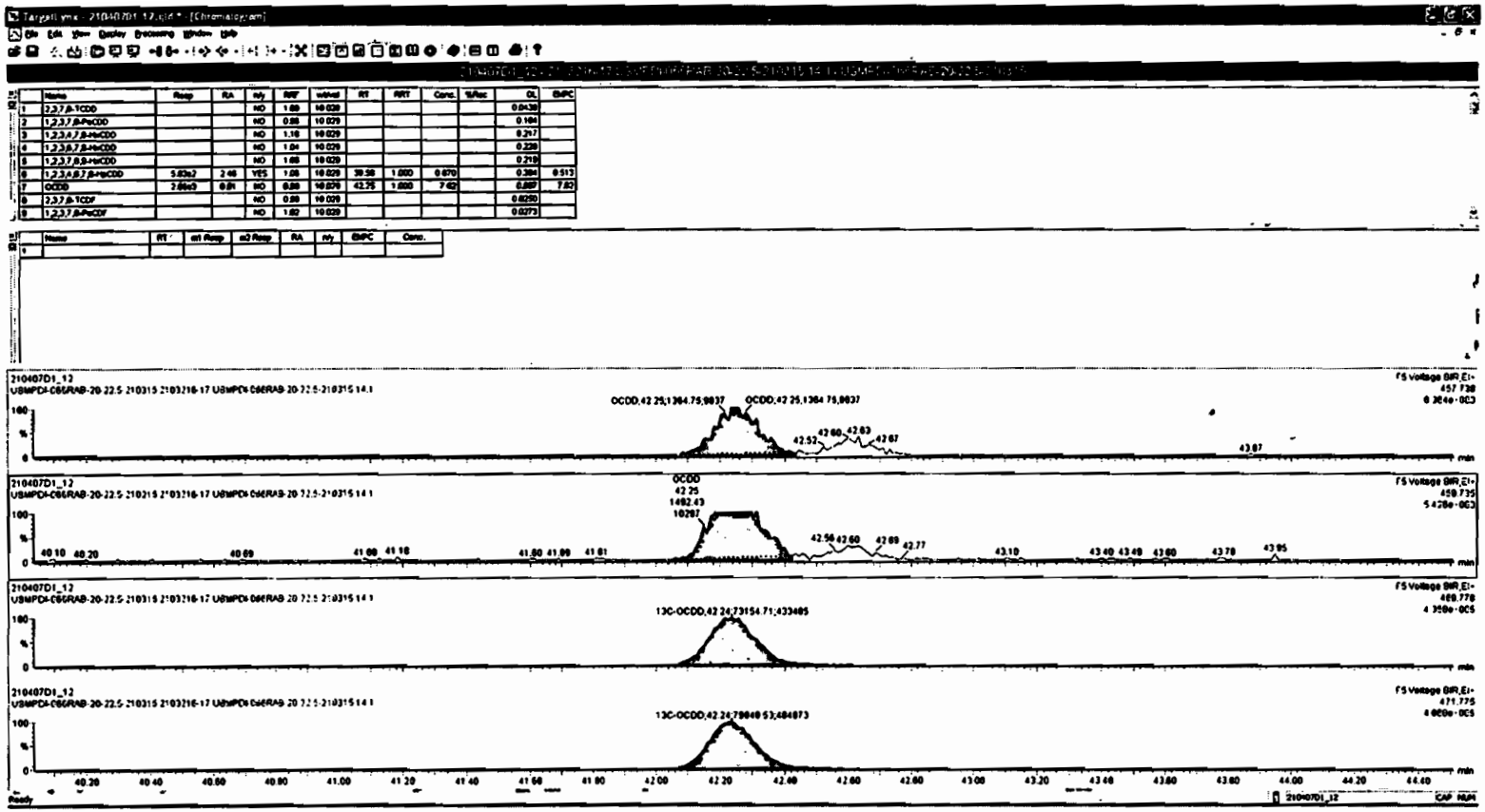
Name: 210407D1_12, Date: 07-Apr-2021, Time: 17:18:48, ID: 2103216-17 USMPDI-066RAB-20-22.5-210315 14.1, Description: USMPDI-066RAB-20-22.5-210315

OCDD



13C-OCDD

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OCDD
42.25
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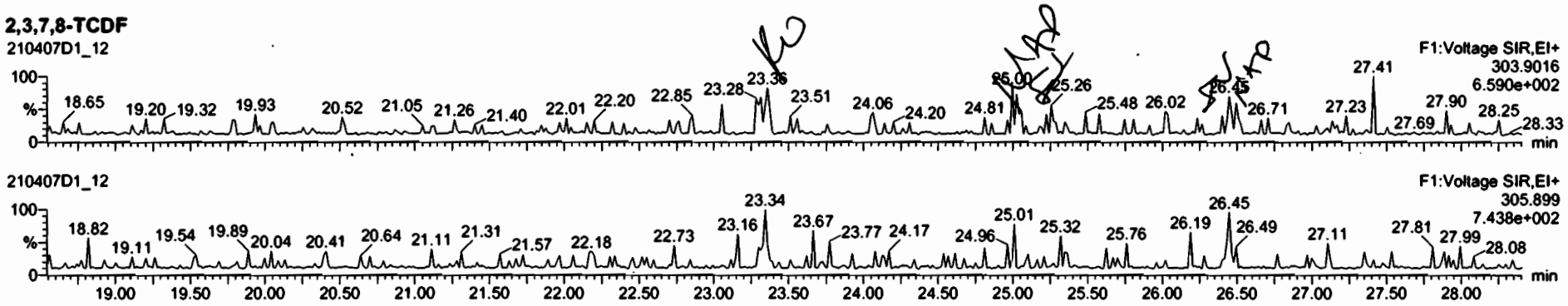
Dataset: Untitled

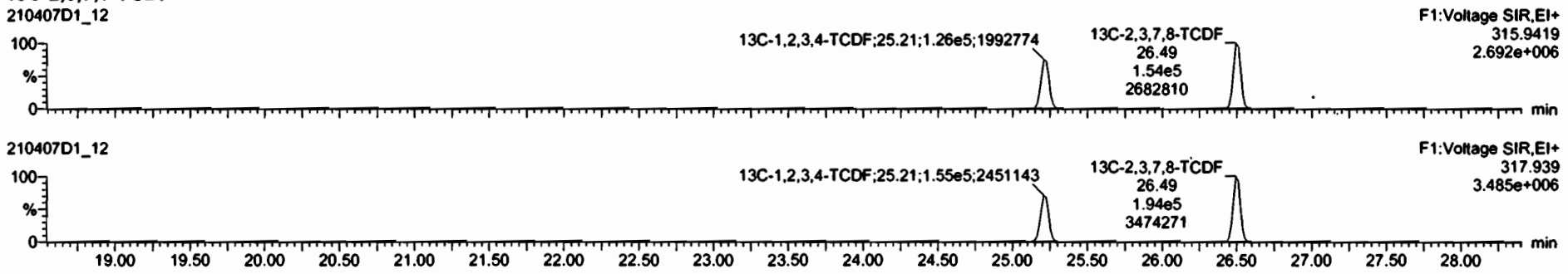
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_12, Date: 07-Apr-2021, Time: 17:18:48, ID: 2103216-17 USMPDI-066RAB-20-22.5-210315 14.1, Description: USMPDI-066RAB-20-22.5-210315

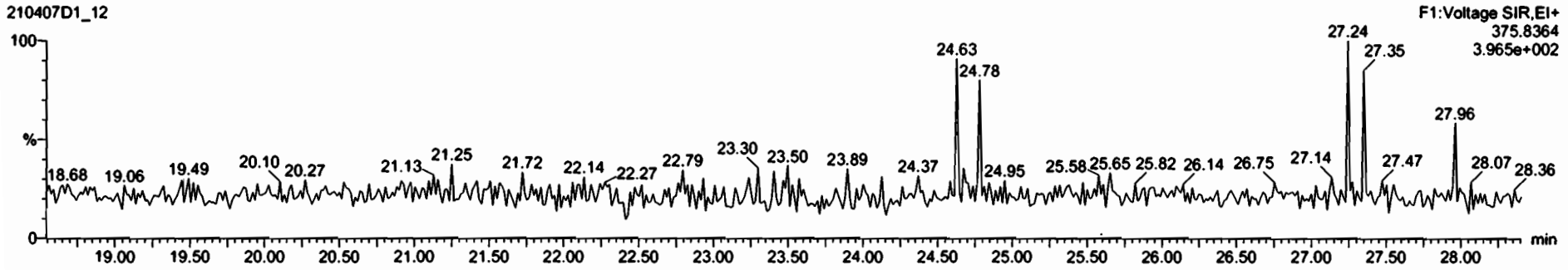
2,3,7,8-TCDF

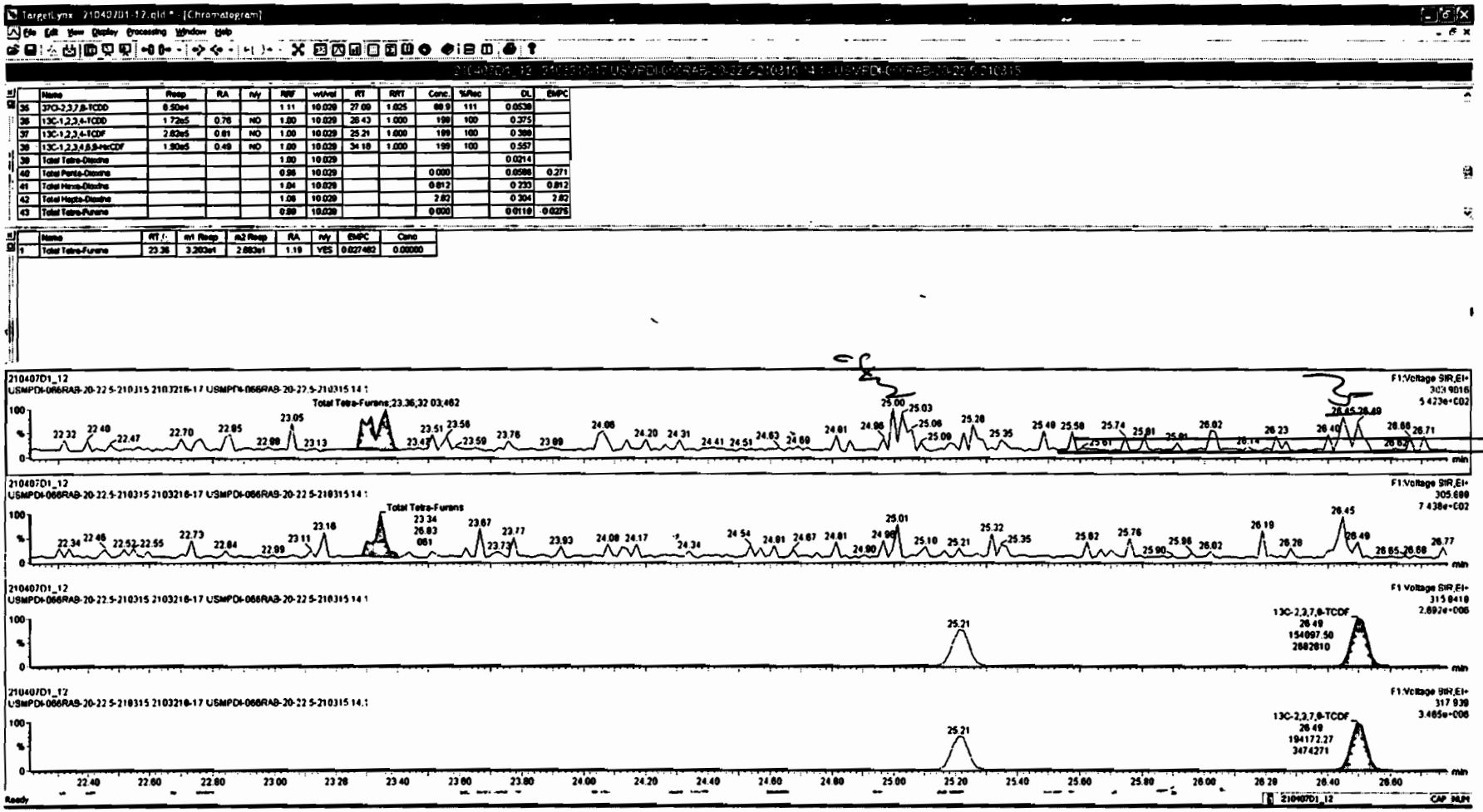


13C-2,3,7,8-TCDF



DPE1



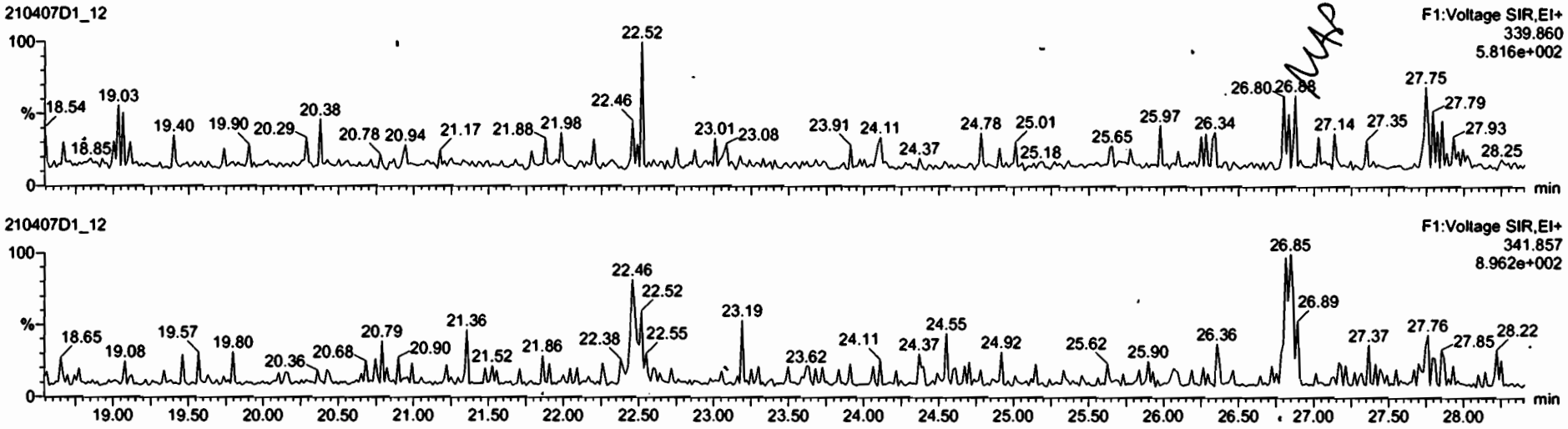

TargetLynx 210407D1-12.qld * - [Chromatogram]
File Edit View Display Processing Window Help
Name | Resp | RA | rdy | RRF | wtAvg | RT | RRT | Conc. | %Rec | DL | EMPC
35 | 2FO-2,3,7,8-TCDD | 8.50e4 | | | 1.11 | 10.029 | 27.09 | 1.025 | 88.9 | 111 | 0.0538 |
36 | 13C-1,2,3,4-TCDD | 1.72e5 | 0.76 | NO | 1.00 | 10.029 | 26.43 | 1.000 | 199 | 100 | 0.375 |
37 | 13C-1,2,3,4-TCDF | 2.62e5 | 0.61 | NO | 1.00 | 10.029 | 25.21 | 1.000 | 199 | 100 | 0.388 |
38 | 13C-1,2,3,4,6,8-HxCDF | 1.90e5 | 0.49 | NO | 1.00 | 10.029 | 34.18 | 1.000 | 199 | 100 | 0.557 |
39 | Total Tetra-Dioxins | | | | 1.00 | 10.029 | | | | | 0.0214 |
40 | Total Penta-Dioxins | | | | 0.96 | 10.029 | | | 0.000 | | 0.0586 | 0.271
41 | Total Hexa-Dioxins | | | | 1.04 | 10.029 | | | 0.812 | | 0.233 | 0.812
42 | Total Hepta-Dioxins | | | | 1.06 | 10.029 | | | 2.82 | | 0.304 | 2.82
43 | Total Octa-Dioxins | | | | 0.89 | 10.029 | | | 0.000 | | 0.0110 | 0.0275
Name | RT | m1 Resp | m2 Resp | RA | rdy | EMPC | Conc
1 | Total Tetra-Furans | 23.36 | 3.393e1 | 2.883e1 | 1.19 | YES | 0.027482 | 0.00000
210407D1_12
USMPDI-066RAB-20-22 5-210315 2103216-17 USMPDI-066RAB-20-22 5-210315 14 1
Total Tetra-Furans;23.36,32 03;462
F1:Voltage SIR,EI+
303.9016
5.423e+002
210407D1_12
USMPDI-066RAB-20-22 5-210315 2103216-17 USMPDI-066RAB-20-22 5-210315 14 1
Total Tetra-Furans
F1:Voltage SIR,EI+
305.8980
7.438e+002
210407D1_12
USMPDI-066RAB-20-22 5-210315 2103216-17 USMPDI-066RAB-20-22 5-210315 14 1
F1:Voltage SIR,EI+
315.8418
2.692e+006
25.21
13C-2,3,7,8-TCDF
26.49
154097.50
2682810
210407D1_12
USMPDI-066RAB-20-22 5-210315 2103216-17 USMPDI-066RAB-20-22 5-210315 14 1
F1:Voltage SIR,EI+
317.9389
3.465e+006
25.21
13C-2,3,7,8-TCDF
26.49
194172.27
3474271
Ready
210407D1_12
CAP NUM

Dataset: Untitled

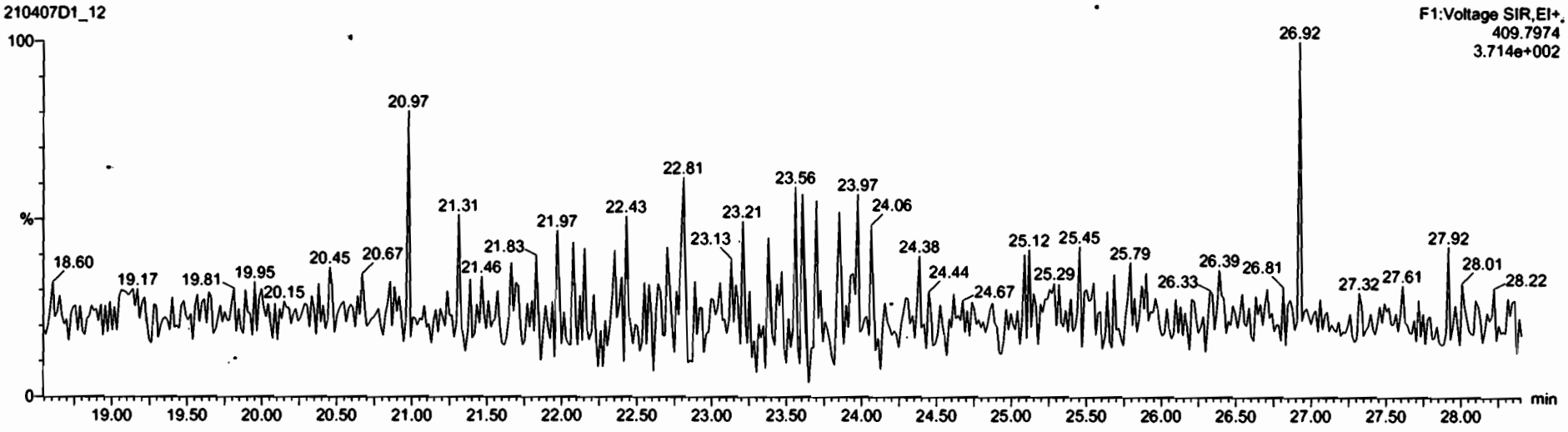
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_12, Date: 07-Apr-2021, Time: 17:18:48, ID: 2103216-17 USMPDI-066RAB-20-22.5-210315 14.1, Description: USMPDI-066RAB-20-22.5-210315

1st Func. Penta-Furans



DPE6

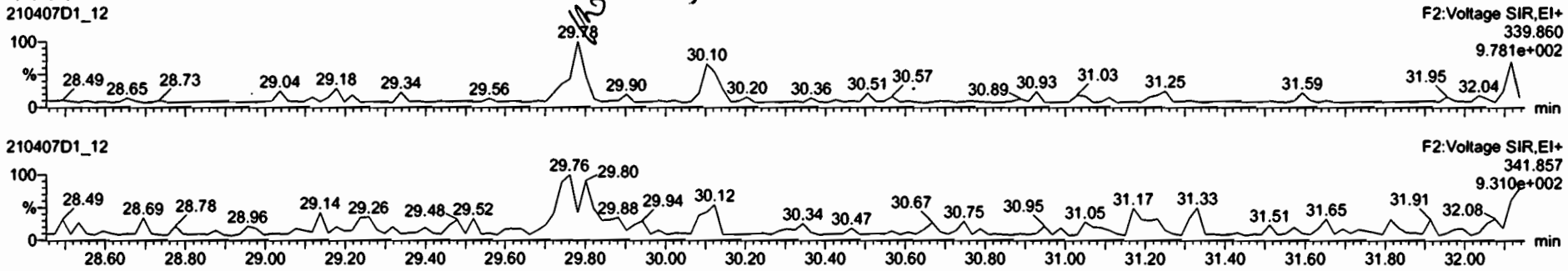


Dataset: Untitled

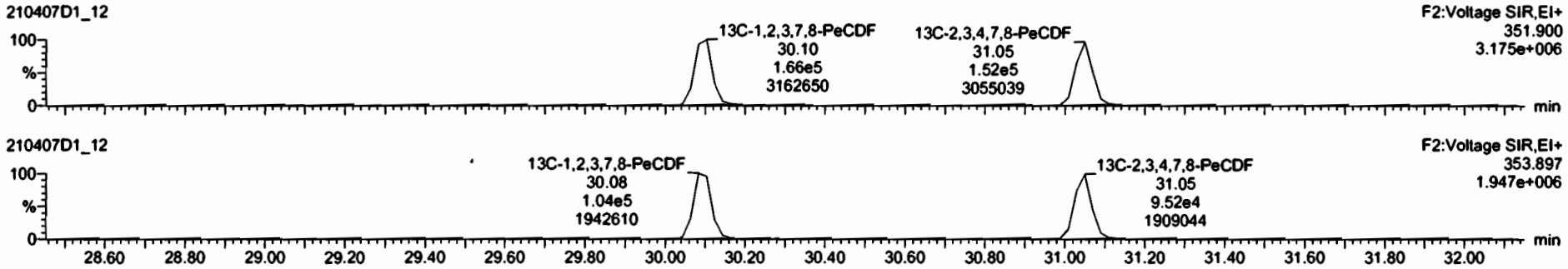
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_12, Date: 07-Apr-2021, Time: 17:18:48, ID: 2103216-17 USMPDI-066RAB-20-22.5-210315 14.1, Description: USMPDI-066RAB-20-22.5-210315

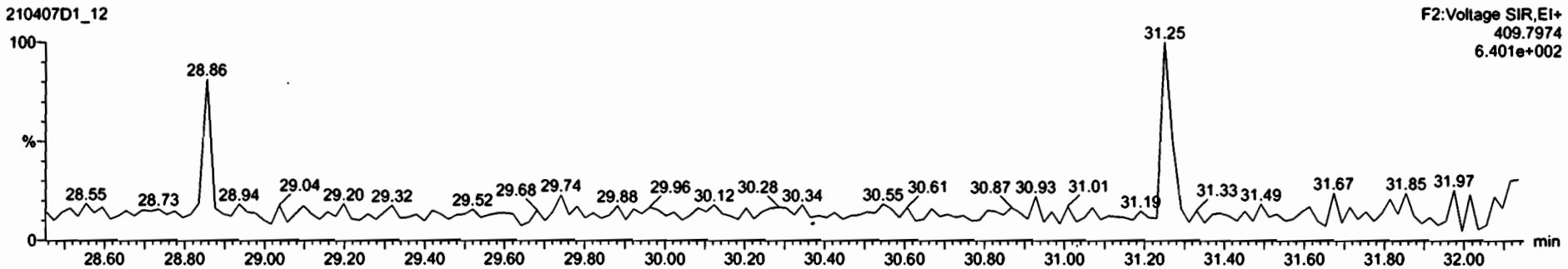
1,2,3,7,8-PeCDF

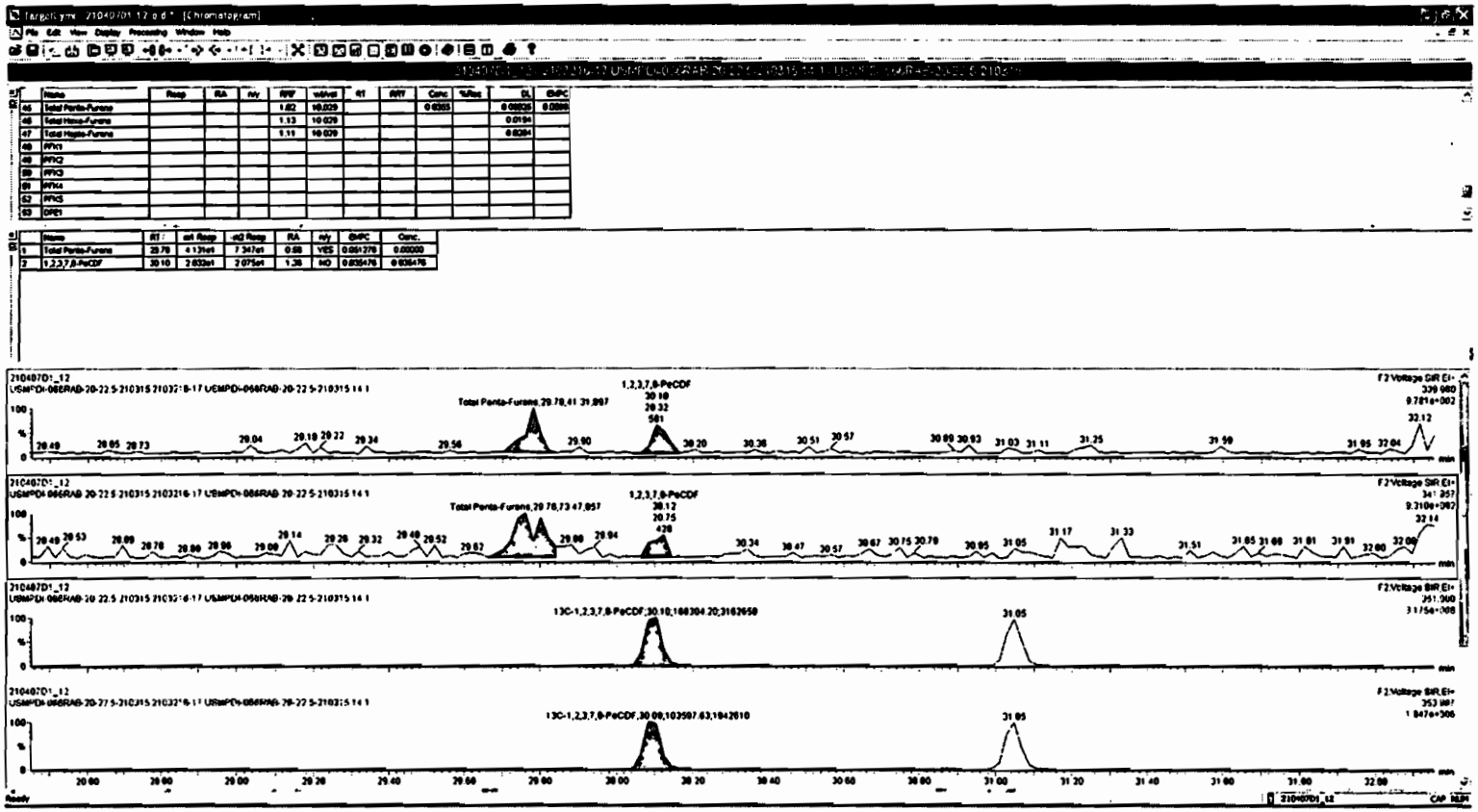


13C-1,2,3,7,8-PeCDF



DPE2




Total Penta-Furans,29.78,41 31,897
1,2,3,7,8-PeCDF
30.10
29.32
581
Total Penta-Furans,29.76,73 47,857
1,2,3,7,8-PeCDF
30.12
29.75
428
13C-1,2,3,7,8-PeCDF,30.10,168304.20,3162950
31.05
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31.05

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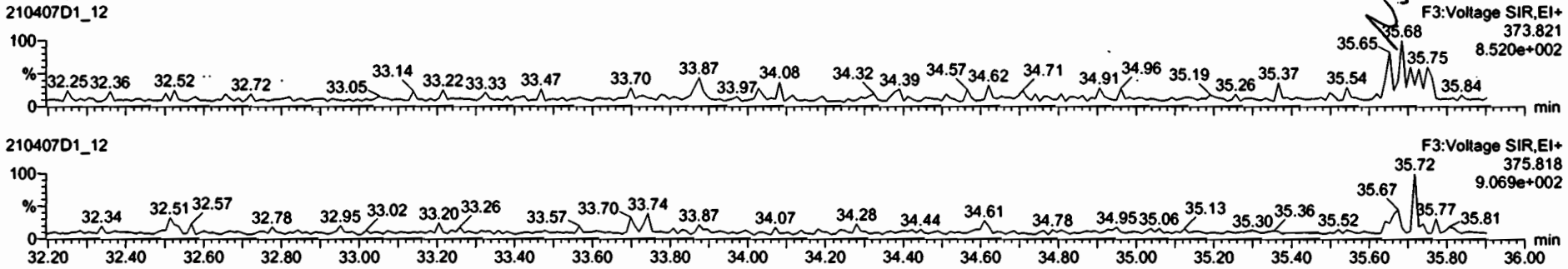
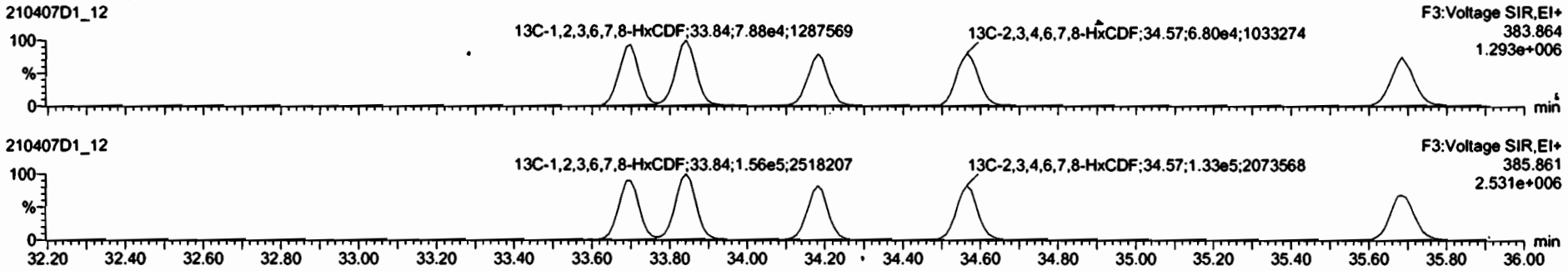
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_12, Date: 07-Apr-2021, Time: 17:18:48, ID: 2103216-17 USMPDI-066RAB-20-22.5-210315 14.1, Description: USMPDI-066RAB-20-22.5-210315

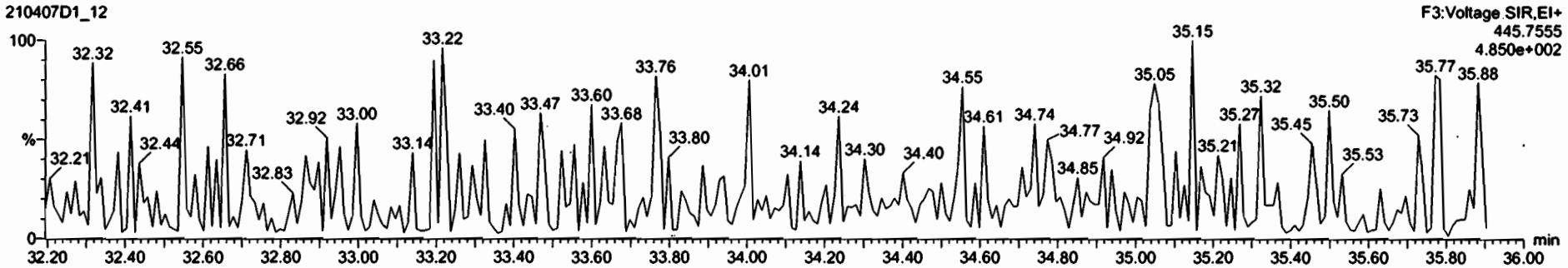
1,2,3,4,7,8-HxCDF



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



DPE3



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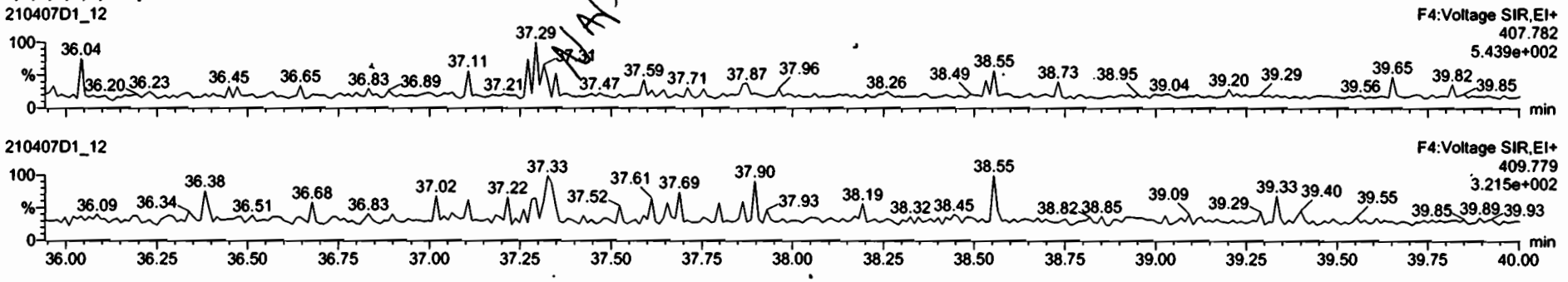
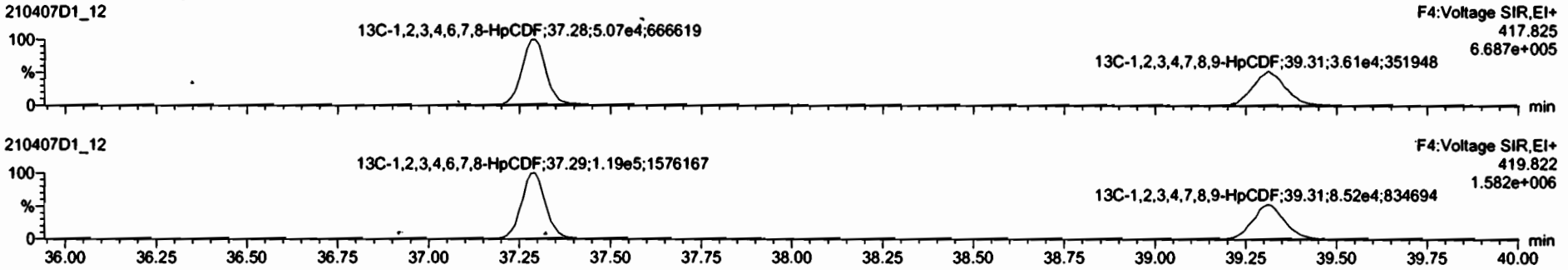
Name: 210407D1_12, Date: 07-Apr-2021, Time: 17:18:48, ID: 2103216-17 USMPDI-066RAB-20-22.5-210315 14.1, Description: USMPDI-066RAB-20-22.5-210315

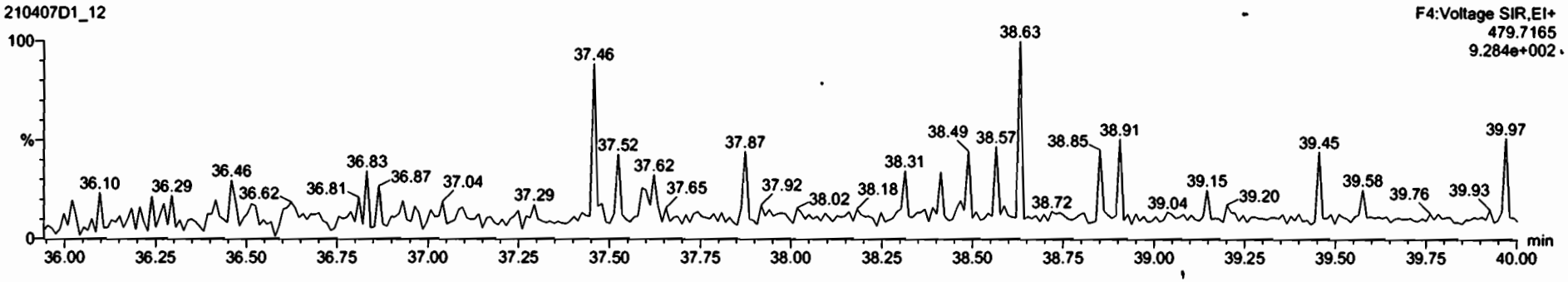
1,2,3,4,6,7,8-HpCDF



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



DPE4



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Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

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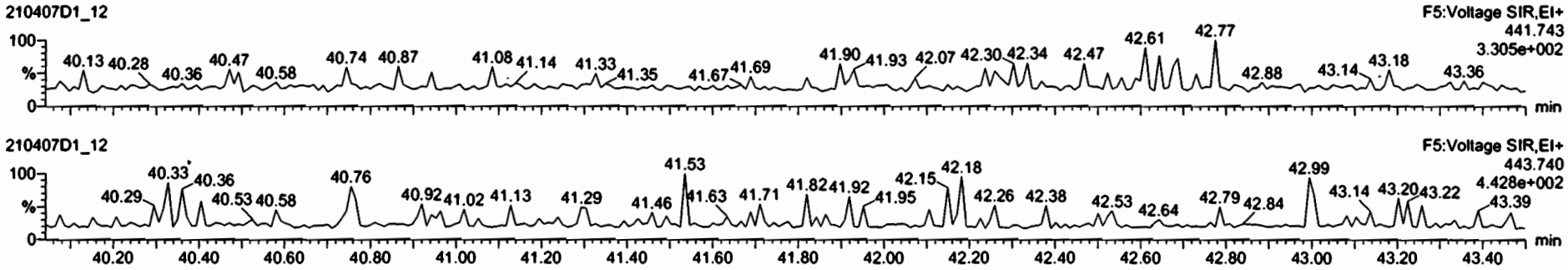
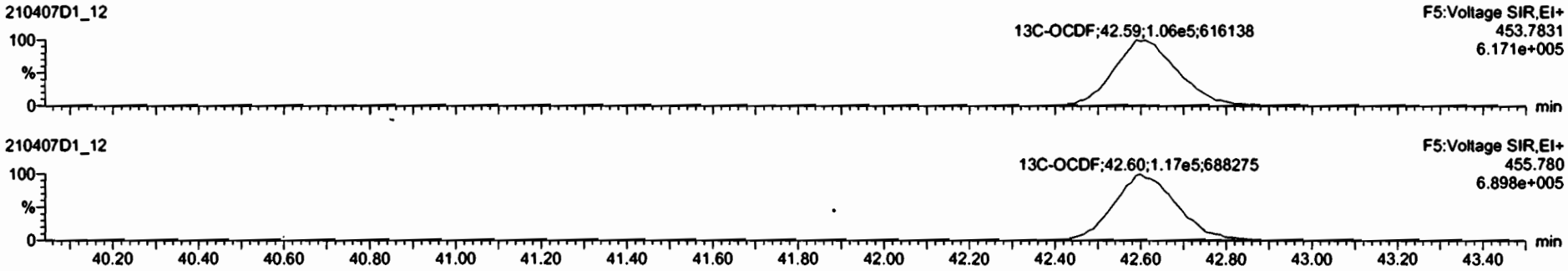
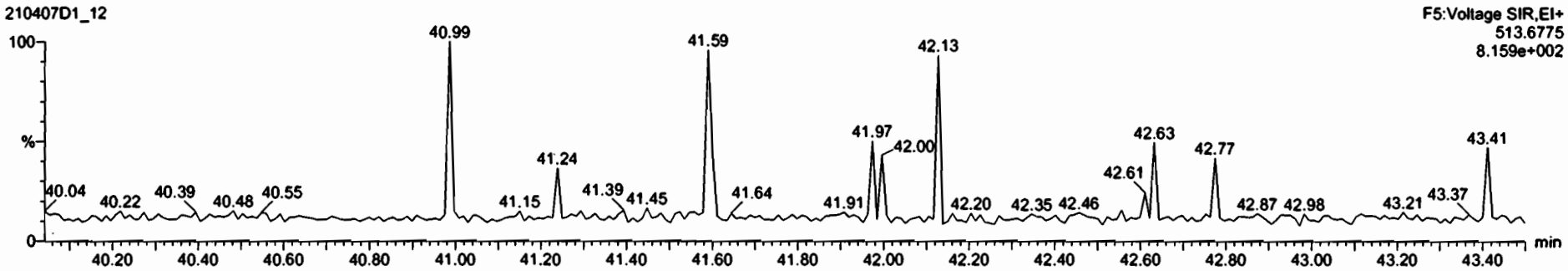
OCDF



13C-OCDF



DPE5



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Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

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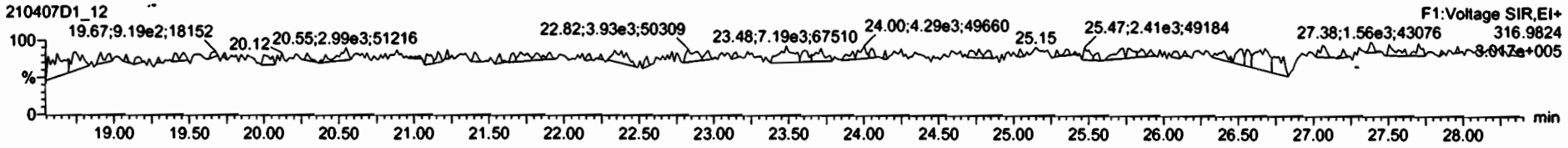
PFK1



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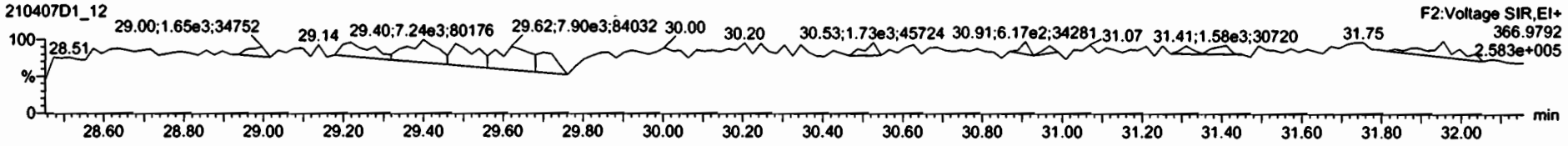

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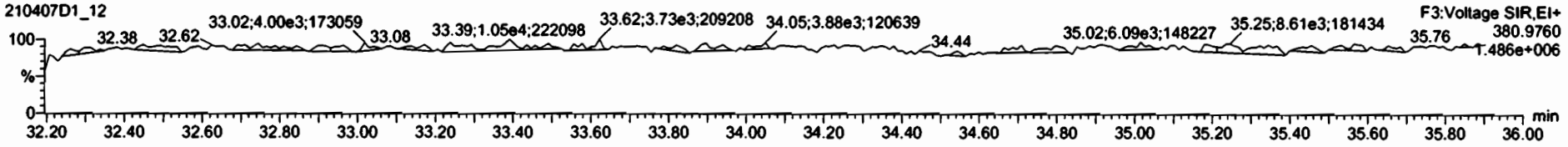

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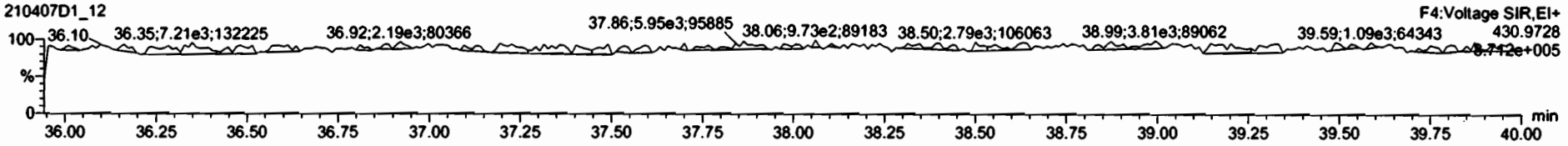
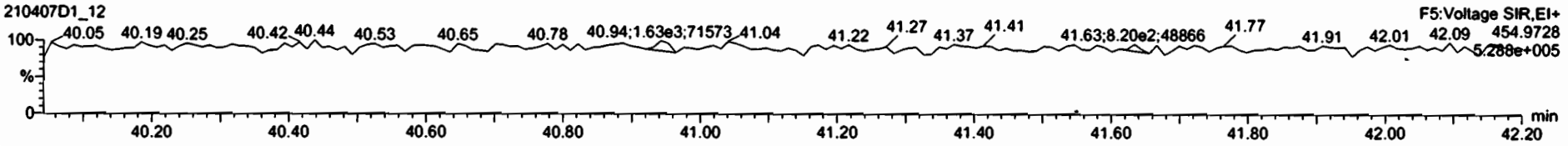


PFK5



Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-13.qld

Last Altered: Saturday, April 17, 2021 12:04:57 Pacific Daylight Time
Printed: Saturday, April 17, 2021 12:05:26 Pacific Daylight Time

4.17.21 CT 04/21/2021

Method: Untitled 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210407D1_13, Date: 07-Apr-2021, Time: 18:05:27, ID: 2103216-18 USMPDI-067RAB-00-10-210316 13.17, Description: USMPDI-067RAB-00-10-210316, Task: ST210407D1-1

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD			NO	0.998	10.302					0.0564	
2	1,2,3,7,8-PeCDD	8.90e1	0.77	YES	0.961	10.302	31.21	0.999	0.12367		0.0971	0.114
3	1,2,3,4,7,8-HxCDD			NO	1.18	10.302					0.284	
4	1,2,3,6,7,8-HxCDD			NO	1.04	10.302					0.302	
5	1,2,3,7,8,9-HxCDD			NO	1.06	10.302					0.265	
6	1,2,3,4,6,7,8-HpCDD	1.61e3	0.97	NO	1.06	10.302	38.60	1.001	2.7214		0.290	2.72
7	OCDD	5.66e3	0.96	NO	0.977	10.302	42.28	1.000	16.613		0.702	16.6
8	2,3,7,8-TCDF	2.96e2	0.55	YES	0.989	10.302	26.51	1.001	0.23805		0.100	0.194
9	1,2,3,7,8-PeCDF	2.39e2	1.29	YES	1.02	10.302	30.10	1.000	0.20623		0.0579	0.191
10	2,3,4,7,8-PeCDF	3.71e2	1.69	NO	1.17	10.302	31.07	1.001	0.29086		0.0548	0.291
11	1,2,3,4,7,8-HxCDF	3.23e2	1.37	NO	1.14	10.302	33.71	1.000	0.29354		0.145	0.294
12	1,2,3,6,7,8-HxCDF	2.84e2	1.02	YES	1.04	10.302	33.87	1.001	0.24937		0.145	0.228
13	2,3,4,6,7,8-HxCDF	2.49e2	1.72	YES	1.13	10.302	34.57	0.999	0.23603		0.161	0.194
14	1,2,3,7,8,9-HxCDF			NO	1.07	10.302					0.191	
15	1,2,3,4,6,7,8-HpCDF	7.45e2	1.00	NO	1.11	10.302	37.28	1.000	0.83225		0.128	0.832
16	1,2,3,4,7,8,9-HpCDF			NO	1.32	10.302					0.251	
17	OCDF	4.08e2	0.93	NO	0.931	10.302	42.68	1.001	0.85545		0.346	0.855
18	13C-2,3,7,8-TCDD	1.84e5	0.78	NO	1.20	10.302	27.07	1.024	166.83	85.9	0.263	
19	13C-1,2,3,7,8-PeCDD	1.45e5	0.63	NO	0.864	10.302	31.23	1.181	182.91	94.2	0.242	
20	13C-1,2,3,4,7,8-HxCDD	1.13e5	1.34	NO	0.600	10.302	34.70	1.014	189.59	97.7	0.747	
21	13C-1,2,3,6,7,8-HxCDD	1.31e5	1.30	NO	0.674	10.302	34.83	1.018	196.55	101	0.664	
22	13C-1,2,3,7,8,9-HxCDD	1.43e5	1.28	NO	0.679	10.302	35.14	1.027	212.37	109	0.660	
23	13C-1,2,3,4,6,7,8-HpCDD	1.08e5	1.09	NO	0.558	10.302	38.57	1.128	195.97	101	1.09	
24	13C-OCDD	1.35e5	0.90	NO	0.496	10.302	42.27	1.236	275.79	71.0	0.593	
25	13C-2,3,7,8-TCDF	2.44e5	0.81	NO	1.03	10.302	26.49	1.002	153.00	78.8	0.242	
26	13C-1,2,3,7,8-PeCDF	2.20e5	1.60	NO	0.805	10.302	30.10	1.139	175.82	90.6	0.370	
27	13C-2,3,4,7,8-PeCDF	2.11e5	1.64	NO	0.748	10.302	31.05	1.175	181.46	93.5	0.399	
28	13C-1,2,3,4,7,8-HxCDF	1.88e5	0.51	NO	0.968	10.302	33.70	0.985	195.86	101	0.787	
29	13C-1,2,3,6,7,8-HxCDF	2.12e5	0.50	NO	1.08	10.302	33.85	0.990	197.85	102	0.703	
30	13C-2,3,4,6,7,8-HxCDF	1.82e5	0.50	NO	0.960	10.302	34.59	1.011	191.02	98.4	0.794	

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-13.qld

Last Altered: Saturday, April 17, 2021 12:04:57 Pacific Daylight Time
Printed: Saturday, April 17, 2021 12:05:26 Pacific Daylight Time

Name: 210407D1_13, Date: 07-Apr-2021, Time: 18:05:27, ID: 2103216-18 USMPDI-067RAB-00-10-210316 13.17, Description: USMPDI-067RAB-00-10-210316, Task: ST210407D1-1

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	1.85e5	0.51	NO	0.869	10.302	35.69	1.044	214.85	111	0.877	
32	13C-1,2,3,4,6,7,8-HpCDF	1.56e5	0.43	NO	0.794	10.302	37.27	1.090	198.45	102	0.890	
33	13C-1,2,3,4,7,8,9-HpCDF	1.09e5	0.43	NO	0.586	10.302	39.38	1.151	187.33	96.5	1.21	
34	13C-OCDF	1.99e5	0.90	NO	0.711	10.302	42.62	1.246	282.51	72.8	0.421	
35	37Cl-2,3,7,8-TCDD	6.38e4			1.11	10.302	27.09	1.025	62.686	80.7	0.0817	
36	13C-1,2,3,4-TCDD	1.79e5	0.79	NO	1.00	10.302	26.43	1.000	194.13	100	0.317	
37	13C-1,2,3,4-TCDF	3.02e5	0.81	NO	1.00	10.302	25.21	1.000	194.13	100	0.248	
38	13C-1,2,3,4,6,9-HxCDF	1.92e5	0.52	NO	1.00	10.302	34.20	1.000	194.13	100	0.762	
39	Total Tetra-Dioxins				0.998	10.302			0.82713		0.0564	1.24
40	Total Penta-Dioxins				0.961	10.302			0.66731		0.0971	1.86
41	Total Hexa-Dioxins				1.04	10.302			2.2786		0.296	3.35
42	Total Hepta-Dioxins				1.06	10.302			5.9212		0.290	5.92
43	Total Tetra-Furans				0.989	10.302			2.6202		0.100	3.20
44	1st Func. Penta-Furans				1.02	10.302			1.2862		0.0231	1.29
45	Total Penta-Furans				1.02	10.302			1.1041		0.0604	2.28
46	Total Hexa-Furans				1.13	10.302			1.6385		0.155	2.43
47	Total Hepta-Furans				1.11	10.302			1.4650		0.197	1.46

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-13.qld

Last Altered: Saturday, April 17, 2021 12:04:57 Pacific Daylight Time -
Printed: Saturday, April 17, 2021 12:05:26 Pacific Daylight Time

Method: Untitled 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210407D1_13, Date: 07-Apr-2021, Time: 18:05:27, ID: 2103216-18 USMPDI-067RAB-00-10-210316 13.17, Description: USMPDI-067RAB-00-10-210316, Task: ST210407D1-1

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Tetra-Dioxins	24.00	4.168e3	5.105e3	3.115e2	3.766e2	0.83	NO	6.882e2	0.72586	0.72586	0.0564
2	Total Tetra-Dioxins	24.29	1.201e3	2.359e3	9.574e1	1.504e2	0.64	YES	0.000e0	0.00000	0.23213	0.0564
3	Total Tetra-Dioxins	25.36	5.180e2	9.250e2	3.371e1	5.613e1	0.60	YES	0.000e0	0.00000	0.081724	0.0564
4	Total Tetra-Dioxins	25.52	6.020e2	9.090e2	3.856e1	5.746e1	0.67	NO	9.602e1	0.10128	0.10128	0.0564
5	Total Tetra-Dioxins	25.70	1.030e3	1.105e3	5.214e1	5.304e1	0.98	YES	0.000e0	0.00000	0.099016	0.0564

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Penta-Dioxins	29.20	3.929e3	3.599e3	2.220e2	2.709e2	0.82	YES	0.000e0	0.00000	0.61391	0.0971
2	Total Penta-Dioxins	29.62	6.750e2	1.271e3	2.691e1	5.974e1	0.45	YES	0.000e0	0.00000	0.096803	0.0971
3	Total Penta-Dioxins	29.74	6.850e2	2.792e3	5.627e1	2.283e2	0.25	YES	0.000e0	0.00000	0.20238	0.0971
4	Total Penta-Dioxins	30.28	1.941e3	3.324e3	1.238e2	2.169e2	0.57	NO	3.407e2	0.47359	0.47359	0.0971
5	Total Penta-Dioxins	30.51	1.450e3	1.266e3	7.873e1	7.277e1	1.08	YES	0.000e0	0.00000	0.16489	0.0971
6	Total Penta-Dioxins	30.81	1.544e3	1.447e3	5.665e1	8.271e1	0.68	NO	1.394e2	0.19373	0.19373	0.0971
7	1,2,3,7,8-PeCDD	31.21	6.520e2	1.449e3	3.868e1	5.028e1	0.77	YES	8.896e1	0.00000	0.11392	0.0971

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hexa-Dioxins	32.90	5.893e3	6.316e3	3.549e2	2.789e2	1.27	NO	6.338e2	0.91844	0.91844	0.296
2	Total Hexa-Dioxins	33.56	1.006e4	7.520e3	5.188e2	4.199e2	1.24	NO	9.387e2	1.3602	1.3602	0.296
3	Total Hexa-Dioxins	33.86	8.355e3	4.614e3	6.187e2	3.299e2	1.88	YES	0.000e0	0.00000	1.0708	0.296

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hepta-Dioxins	37.59	1.231e4	1.037e4	9.631e2	9.282e2	1.04	NO	1.891e3	3.1997	3.1997	0.290
2	1,2,3,4,6,7,8-HpCDD	38.60	7.079e3	7.798e3	7.940e2	8.146e2	0.97	NO	1.609e3	2.7214	2.7214	0.290

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-13.qld

Last Altered: Saturday, April 17, 2021 12:04:57 Pacific Daylight Time
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Name: 210407D1_13, Date: 07-Apr-2021, Time: 18:05:27, ID: 2103216-18 USMPDI-067RAB-00-10-210316 13.17, Description: USMPDI-067RAB-00-10-210316, Task: ST210407D1-1

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Tetra-Furans	22.15	1.063e3	7.850e2	6.550e1	7.472e1	0.88	NO	1.402e2	0.11285	0.11285	0.100
2	Total Tetra-Furans	22.64	1.219e3	1.808e3	9.316e1	9.323e1	1.00	YES	0.000e0	0.00000	0.13280	0.100
3	Total Tetra-Furans	23.33	4.118e3	5.319e3	3.130e2	4.333e2	0.72	NO	7.463e2	0.60064	0.60064	0.100
4	Total Tetra-Furans	23.73	1.783e3	2.425e3	1.353e2	1.840e2	0.74	NO	3.193e2	0.25694	0.25694	0.100
5	Total Tetra-Furans	24.03	1.818e3	1.883e3	1.157e2	1.661e2	0.70	NO	2.818e2	0.22680	0.22680	0.100
6	Total Tetra-Furans	24.37	2.161e3	2.473e3	1.744e2	1.793e2	0.97	YES	0.000e0	0.00000	0.25534	0.100
7	Total Tetra-Furans	25.09	1.266e3	1.861e3	9.224e1	1.353e2	0.68	NO	2.275e2	0.18309	0.18309	0.100
8	Total Tetra-Furans	25.33	2.558e3	4.035e3	2.546e2	3.099e2	0.82	NO	5.645e2	0.45429	0.45429	0.100
9	Total Tetra-Furans	25.71	1.513e3	1.935e3	1.047e2	1.296e2	0.81	NO	2.343e2	0.18856	0.18856	0.100
10	2,3,7,8-TCDF	26.51	2.075e3	4.294e3	1.048e2	1.910e2	0.55	YES	2.958e2	0.00000	0.19390	0.100
11	Total Tetra-Furans	26.75	1.798e3	2.613e3	1.572e2	2.132e2	0.74	NO	3.704e2	0.29806	0.29806	0.100
12	Total Tetra-Furans	26.75	1.804e3	2.613e3	1.583e2	2.132e2	0.74	NO	3.714e2	0.29894	0.29894	0.100

Penta-Furans function 1

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	1st Func. Penta-Furans	27.78	1.560e4	1.062e4	8.859e2	5.730e2	1.55	NO	1.459e3	1.2862	1.2862	0.0231

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Penta-Furans	29.06	2.737e3	2.240e3	2.090e2	1.692e2	1.24	YES	0.000e0	0.00000	0.30309	0.0604
2	Total Penta-Furans	29.22	7.807e3	5.311e3	5.331e2	3.894e2	1.37	NO	9.224e2	0.81320	0.81320	0.0604
3	Total Penta-Furans	29.78	3.904e3	2.484e3	2.239e2	2.153e2	1.04	YES	0.000e0	0.00000	0.32470	0.0604
4	1,2,3,7,8-PeCDF	30.10	3.294e3	1.811e3	1.346e2	1.042e2	1.29	YES	2.388e2	0.00000	0.19123	0.0579
5	Total Penta-Furans	30.32	3.262e3	3.086e3	1.656e2	1.360e2	1.22	YES	0.000e0	0.00000	0.24015	0.0604
6	Total Penta-Furans	30.89	1.710e3	8.410e2	1.146e2	5.031e1	2.28	YES	0.000e0	0.00000	0.11310	0.0604
7	2,3,4,7,8-PeCDF	31.07	3.530e3	2.445e3	2.330e2	1.379e2	1.69	NO	3.709e2	0.29086	0.29086	0.0548

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-13.qld

Last Altered: Saturday, April 17, 2021 12:04:57 Pacific Daylight Time
Printed: Saturday, April 17, 2021 12:05:26 Pacific Daylight Time

Name: 210407D1_13, Date: 07-Apr-2021, Time: 18:05:27, ID: 2103216-18 USMPDI-067RAB-00-10-210316 13.17, Description: USMPDI-067RAB-00-10-210316, Task: ST210407D1-1

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hexa-Furans	32.33	2.053e3	2.012e3	1.279e2	9.088e1	1.41	NO	2.188e2	0.19647	0.19647	0.155
2	Total Hexa-Furans	32.53	8.756e3	7.853e3	5.307e2	4.013e2	1.32	NO	9.321e2	0.83703	0.83703	0.155
3	Total Hexa-Furans	33.19	5.323e3	4.339e3	2.625e2	1.821e2	1.44	YES	0.000e0	0.00000	0.36637	0.155
4	Total Hexa-Furans	33.58	2.463e3	1.599e3	1.262e2	9.140e1	1.38	NO	2.176e2	0.19539	0.19539	0.155
5	1,2,3,4,7,8-HxCDF	33.71	3.861e3	2.584e3	1.868e2	1.362e2	1.37	NO	3.230e2	0.29354	0.29354	0.145
6	1,2,3,6,7,8-HxCDF	33.87	2.299e3	2.689e3	1.437e2	1.406e2	1.02	YES	2.843e2	0.00000	0.22771	0.145
7	2,3,4,6,7,8-HxCDF	34.57	1.892e3	1.422e3	1.574e2	9.160e1	1.72	YES	2.490e2	0.00000	0.19450	0.161
8	Total Hexa-Furans	35.72	1.227e3	1.169e3	7.505e1	5.415e1	1.39	NO	1.292e2	0.11603	0.11603	0.155

Hepta-Furans

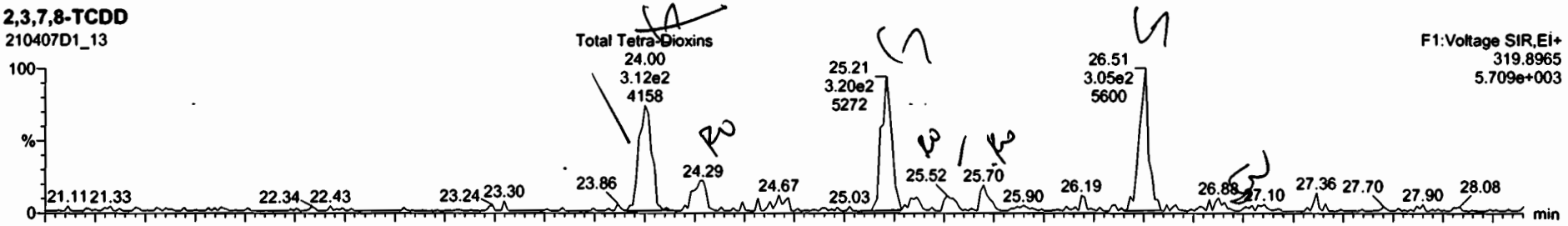
	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	37.28	6.240e3	6.082e3	3.717e2	3.734e2	1.00	NO	7.451e2	0.83225	0.83225	0.128
2	Total Hepta-Furans	37.87	2.823e3	3.345e3	2.313e2	2.493e2	0.93	NO	4.806e2	0.63274	0.63274	0.197

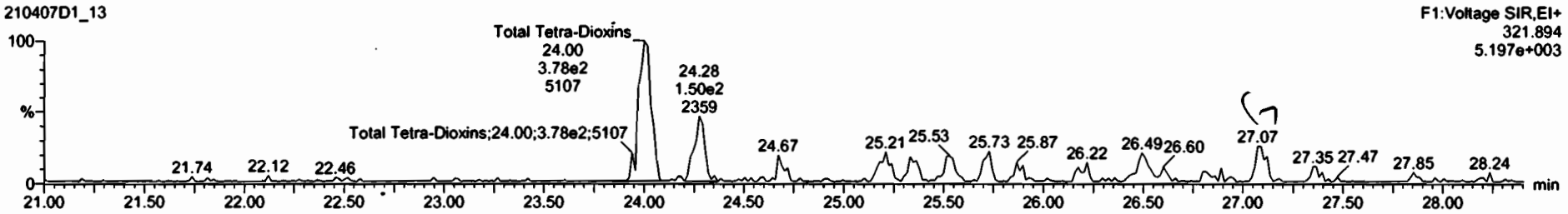
Dataset: Untitled

Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_13, Date: 07-Apr-2021, Time: 18:05:27, ID: 2103216-18 USMPDI-067RAB-00-10-210316 13.17, Description: USMPDI-067RAB-00-10-210316

2,3,7,8-TCDD





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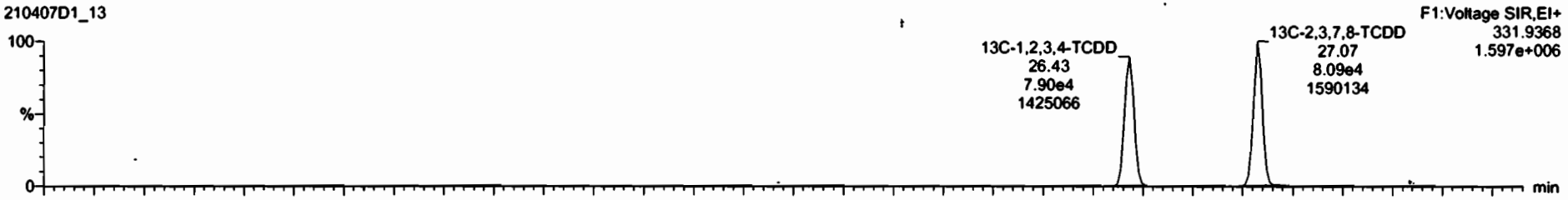

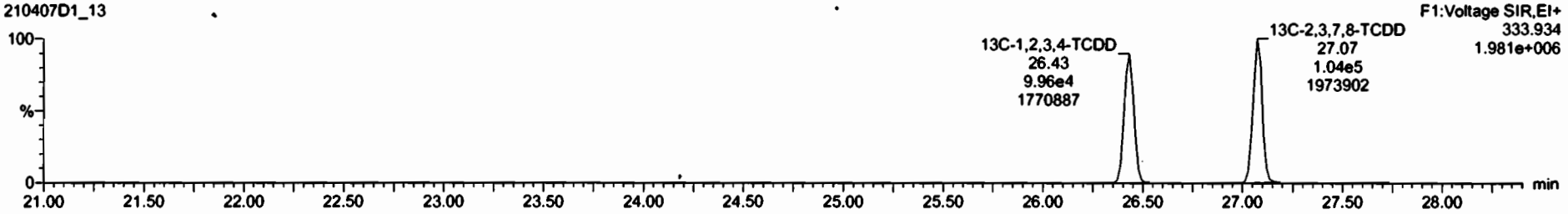

Targetlynx - 210407D1-13.qld * - [Chromatogram]

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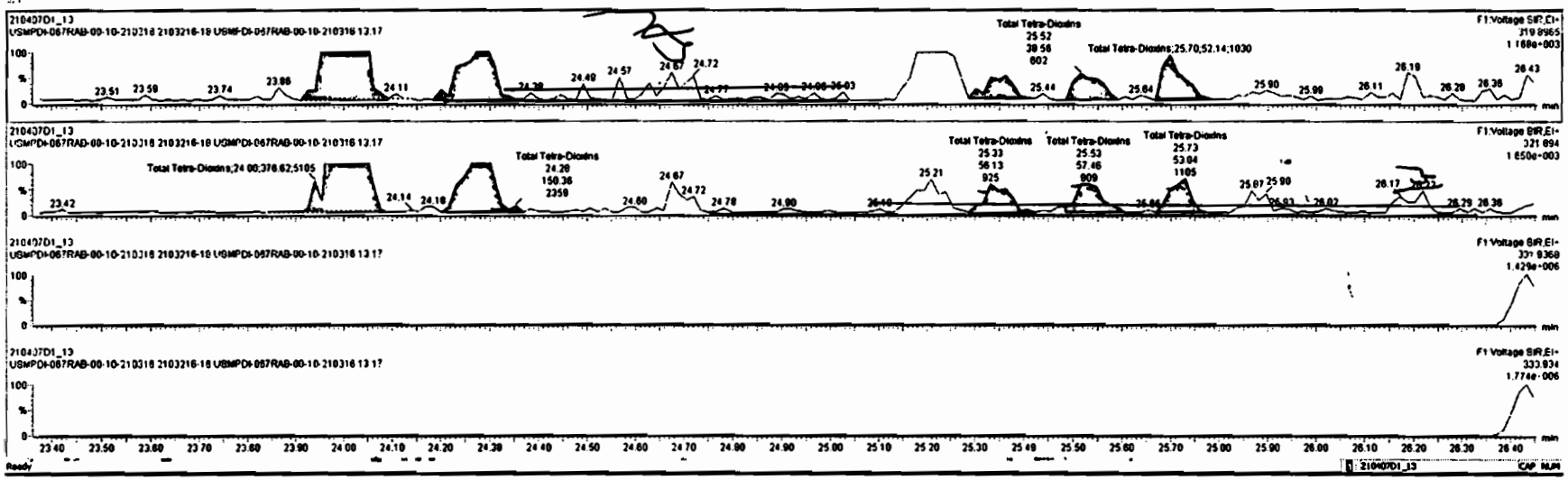
210407D1_13 - 2103216-18 USMPDI-067RAB-00-10-210316 13:17 - USMPDI-067RAB-00-10-210316

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	- DL	EMPC
35	37Cl-2,3,7,8-TCDD	6.38e4			1.11	10.302	27.08	1.025	62.7	60.7	0.0817	
36	13C-1,2,3,4-TCDD	1.79e5	0.79	NO	1.00	10.302	26.43	1.000	194	100	0.317	
37	13C-1,2,3,4-TCDF	3.02e5	0.81	NO	1.00	10.302	25.21	1.000	194	100	0.248	
38	13C-1,2,3,4,6,8-HxCDF	1.92e5	0.52	NO	1.00	10.302	34.20	1.000	194	100	0.762	
39	Total Tetra-Dioxins				1.00	10.302			0.827		0.0584	1.24
40	Total Penta-Dioxins				0.96	10.302			0.467		0.0871	2.24
41	Total Hexa-Dioxins				1.04	10.302			2.26		0.298	3.28
42	Total Hepta-Dioxins				1.06	10.302			5.92		0.290	5.92
43	Total Tetra-Furans				0.99	10.302			1.29		0.100	1.29

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Tetra-Dioxins	24.00	3.115e2	3.768e2	0.83	NO	0.72586	0.72586
2	Total Tetra-Dioxins	24.29	9.574e1	1.504e2	0.64	YES	0.23213	0.00000
3	Total Tetra-Dioxins	25.38	3.371e1	5.613e1	0.60	YES	0.081724	0.00000
4	Total Tetra-Dioxins	25.52	3.858e1	5.746e1	0.67	NO	0.10128	0.10128
5	Total Tetra-Dioxins	25.70	5.214e1	5.304e1	0.98	YES	0.089016	0.00000



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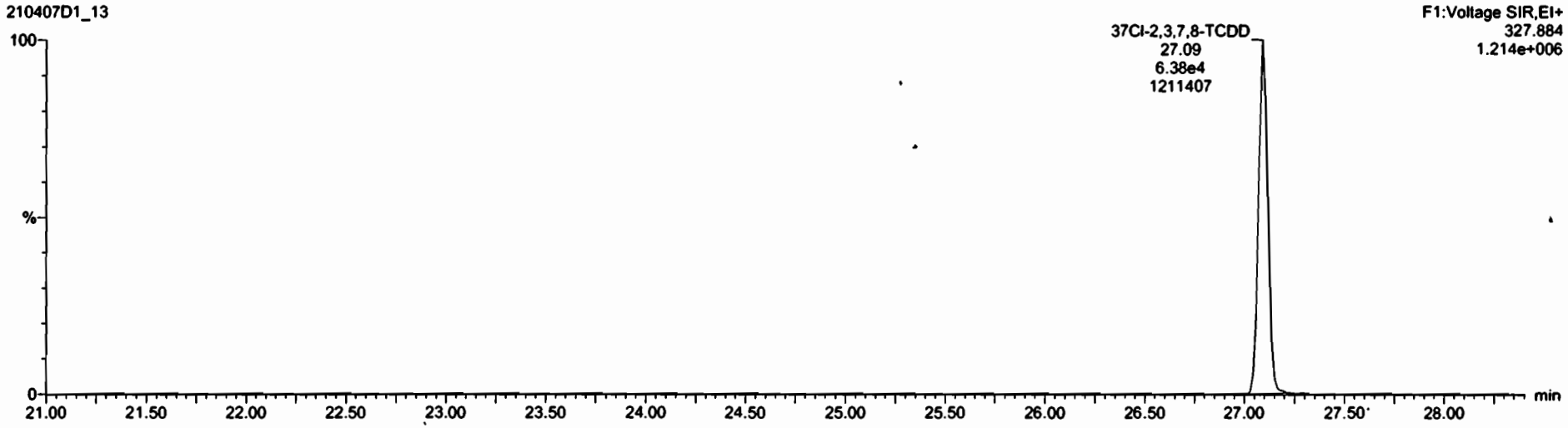
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_13, Date: 07-Apr-2021, Time: 18:05:27, ID: 2103216-18 USMPDI-067RAB-00-10-210316 13.17, Description: USMPDI-067RAB-00-10-210316

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



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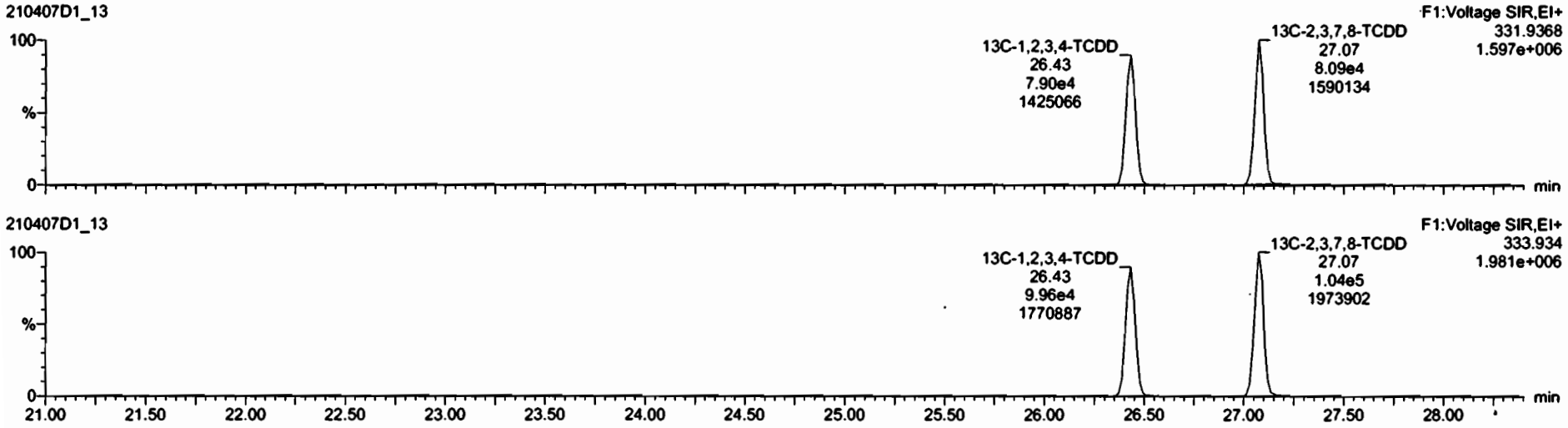

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Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
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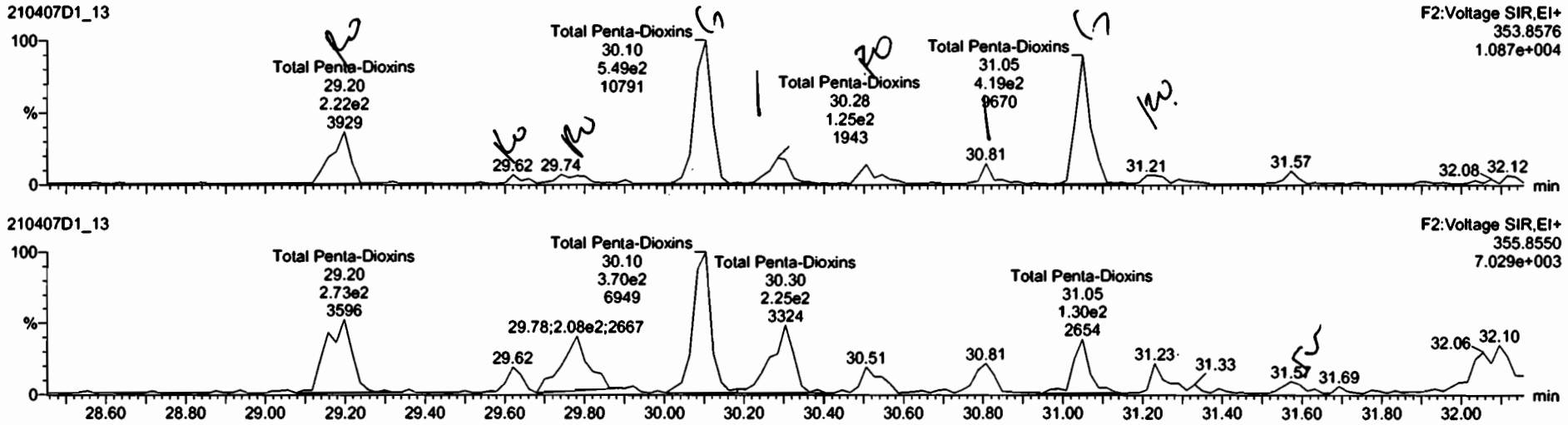
Name: 210407D1_13, Date: 07-Apr-2021, Time: 18:05:27, ID: 2103216-18 USMPDI-067RAB-00-10-210316 13.17, Description: USMPDI-067RAB-00-10-210316

1,2,3,7,8-PeCDD



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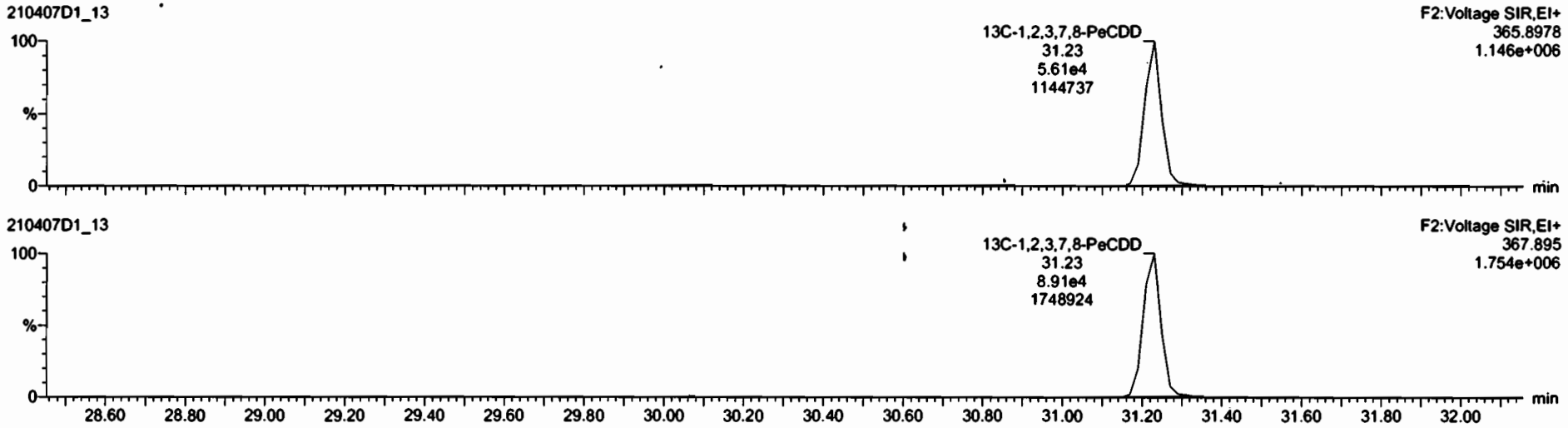

TargetLynx 210407D1-13.qld * - [Chromatogram]

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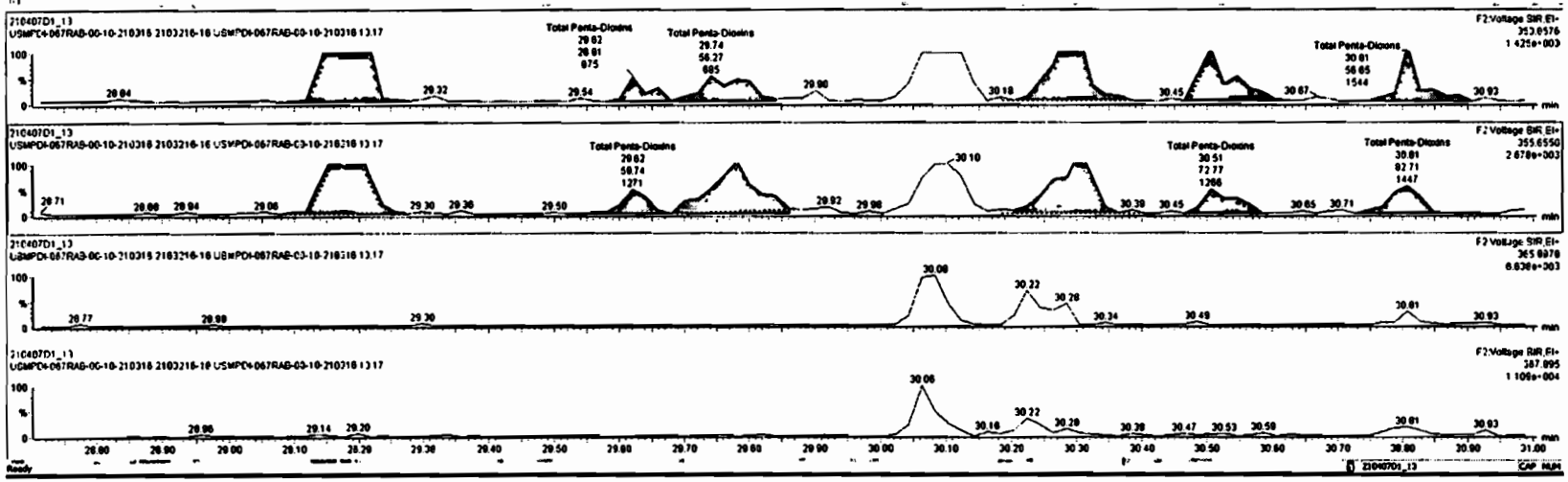
	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
35	37Cl-2,3,7,8-TCDD	6.38e4			1.11	10.302	27.09	1.025	62.7	80.7	0.0817	
36	13C-1,2,3,4-TCDD	1.79e5	0.79	NO	1.00	10.302	26.43	1.000	194	100	0.317	
37	13C-1,2,3,4-TCDF	3.02e5	0.81	NO	1.00	10.302	25.21	1.000	194	100	0.248	
38	13C-1,2,3,4,6,8-HxCDF	1.82e5	0.52	NO	1.00	10.302	34.20	1.000	194	100	0.782	
39	Total Tetra-Dioxins				1.00	10.302			0.827		0.0584	1.24
40	Total Penta-Dioxins				0.88	10.302			0.812		0.0871	1.88
41	Total Hexa-Dioxins				1.04	10.302			2.28		0.298	3.28
42	Total Hepta-Dioxins				1.08	10.302			5.92		0.290	5.92
43	Total Tetra-Furans				0.99	10.302			1.29		0.100	1.29

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Penta-Dioxins	29.20	2.220e2	2.709e2	0.82	YES	0.61381	0.00000
2	Total Penta-Dioxins	29.62	2.691e1	5.974e1	0.45	YES	0.088803	0.00000
3	Total Penta-Dioxins	29.74	5.627e1	2.283e2	0.25	YES	0.20239	0.00000
4	Total Penta-Dioxins	30.28	1.238e2	2.169e2	0.57	NO	0.47358	0.47358
5	Total Penta-Dioxins	30.51	7.873e1	7.277e1	1.08	YES	0.16469	0.00000
6	Total Penta-Dioxins	30.81	5.885e1	8.271e1	0.88	NO	0.19373	0.19373
7	1,2,3,7,8-PeCDD	31.21	3.888e1	6.514e1	0.59	NO	0.14433	0.14433
8	Total Penta-Dioxins	31.57	3.798e1	3.178e1	1.20	YES	0.072005	0.00000

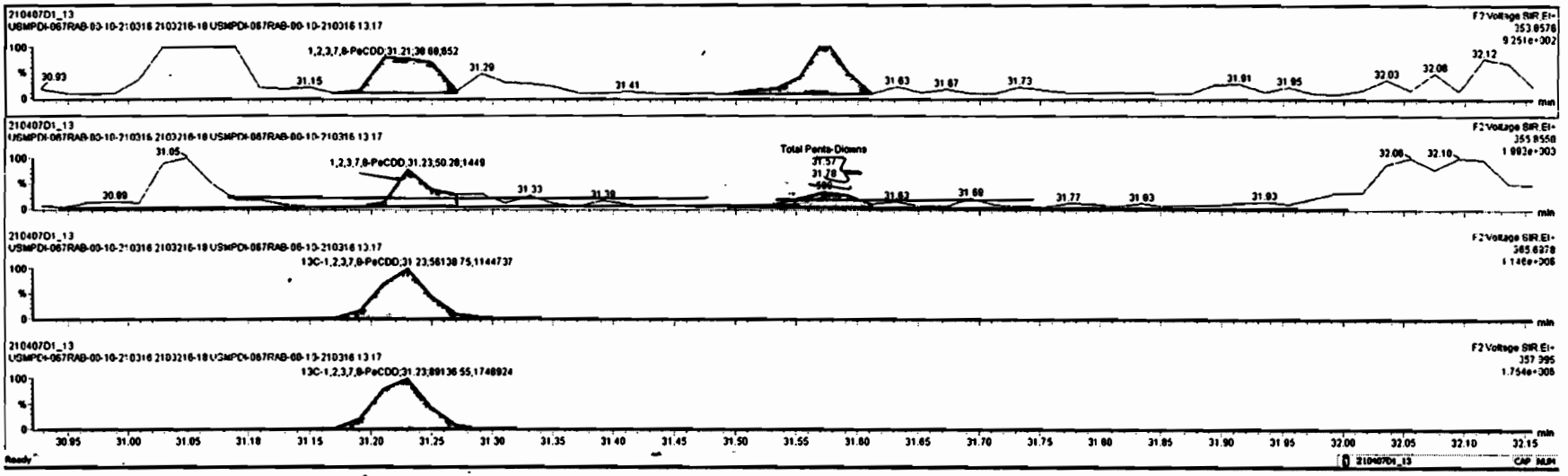


TargetLynx - 210407D1_13.qld * - [Chromatogram]

File Edit View Display Processing Window Help

	Name	Resp	RA	rdy	RRF	wtAvg	RT	RRT	Conc	%Rec	DL	EMPC
36	37Cl-2,3,7,8-TCDD	6.38e4			1.11	10.302	27.08	1.025	62.7	80.7	0.0917	
39	13C-1,2,3,4-TCDD	1.79e5	0.79	NO	1.00	10.302	26.43	1.000	194	100	0.317	
37	13C-1,2,3,4-TCDF	3.02e5	0.81	NO	1.00	10.302	25.21	1.000	194	100	0.248	
38	13C-1,2,3,4,6,8,9-HpCDF	1.92e5	0.52	NO	1.00	10.302	34.29	1.000	194	100	0.782	
39	Total Tetra-Dioxins				1.00	10.302			0.827		0.0564	1.24
40	Total Penta-Dioxins				0.88	10.302			0.867		0.0871	1.93
41	Total Hexa-Dioxins				1.04	10.302			2.26		0.286	3.26
42	Total Hepta-Dioxins				1.06	10.302			5.92		0.290	5.92
43	Total Tetra-Furans				0.99	10.302			1.29		0.100	1.29

	Name	RT	ei Resp	ei2 Resp	RA	rdy	EMPC	Conc.
1	Total Penta-Dioxins	29.20	2.220e2	2.709e2	0.82	YES	0.01391	0.00000
2	Total Penta-Dioxins	29.62	2.891e1	5.974e1	0.48	YES	0.000803	0.00000
3	Total Penta-Dioxins	29.74	5.827e1	2.283e2	0.25	YES	0.39238	0.00000
4	Total Penta-Dioxins	30.28	1.238e2	2.169e2	0.57	NO	0.47359	0.47359
5	Total Penta-Dioxins	30.51	7.873e1	7.377e1	1.08	YES	0.16489	0.00000
6	Total Penta-Dioxins	30.61	5.865e1	8.271e1	0.68	NO	0.18373	0.18373
7	1,2,3,7,8-PeCDD	31.21	3.866e1	5.028e1	0.77	YES	0.11382	0.00000
8	Total Penta-Dioxins	31.57	3.798e1	3.178e1	1.20	YES	0.072005	0.00000



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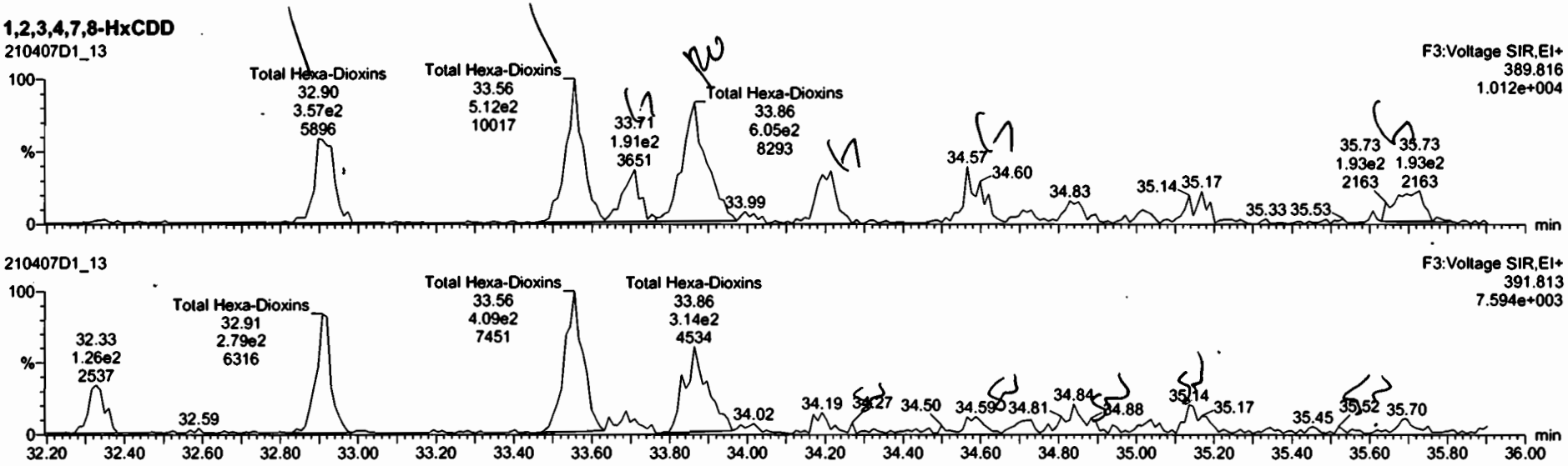
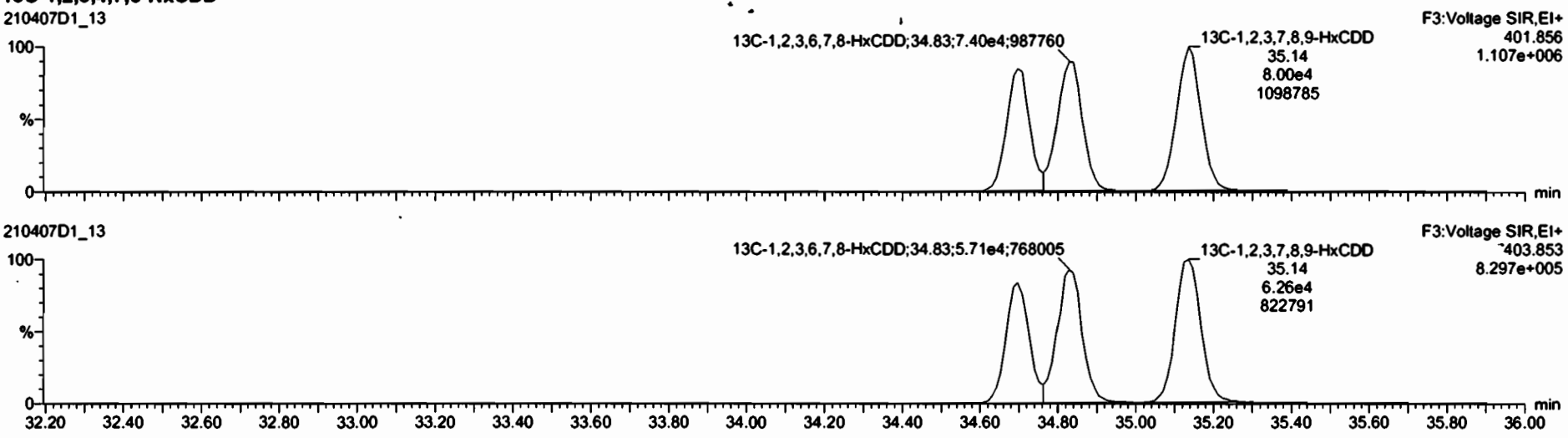
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_13, Date: 07-Apr-2021, Time: 18:05:27, ID: 2103216-18 USMPDI-067RAB-00-10-210316 13.17, Description: USMPDI-067RAB-00-10-210316

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



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



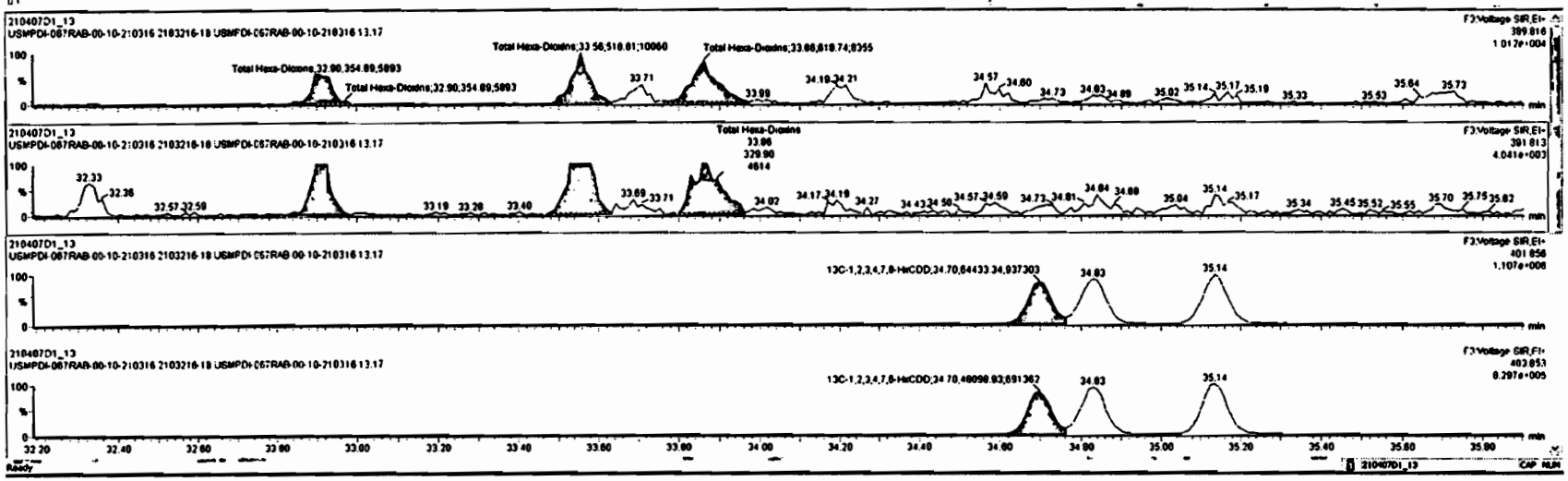
Targett.ynx - 210407D1-13.qld * [Chromatogram]

File Edit View Display Processing Window Help

210407D1_13 - 2103216-18 USMPDI-067RAB-00-10-210316 13.17 - USMPDI-067RAB-00-10-210316

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
28	13C-1,2,3,4,7,8-HxCDF	1.88e5	0.51	NO	0.97	10.302	33.70	0.985	198	101	0.787	
29	13C-1,2,3,6,7,8-HxCDF	2.12e5	0.50	NO	1.08	10.302	33.66	0.990	198	102	0.703	
30	13C-2,3,4,6,7,8-HxCDF	1.82e5	0.50	NO	0.98	10.302	34.88	1.011	191	98.4	0.794	
31	13C-1,2,3,7,8,9-HxCDF	1.85e5	0.51	NO	0.87	10.302	36.89	1.044	215	111	0.877	
32	13C-1,2,3,4,6,7,8-HpCDF	1.56e5	0.43	NO	0.79	10.302	37.27	1.060	198	102	0.880	
33	13C-1,2,3,4,7,8,9-HpCDF	1.08e5	0.43	NO	0.59	10.302	39.38	1.151	187	96.5	1.21	
34	13C-OCDF	1.99e5	0.90	NO	0.71	10.302	42.62	1.246	283	72.8	0.421	
35	37Cl-2,3,7,8-TCDD	6.38e4			1.11	10.302	27.08	1.025	62.7	80.7	0.0817	
36	13C-1,2,3,4-TCDD	1.79e5	0.79	NO	1.00	10.302	28.43	1.000	194	100	0.317	

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Hexa-Dioxins	32.90	3.549e2	2.789e2	1.27	NO	0.91844	0.91844
2	Total Hexa-Dioxins	33.56	5.168e2	4.199e2	1.24	NO	1.3802	1.3802
3	Total Hexa-Dioxins	33.66	6.167e2	3.288e2	1.88	YES	1.0708	0.00000



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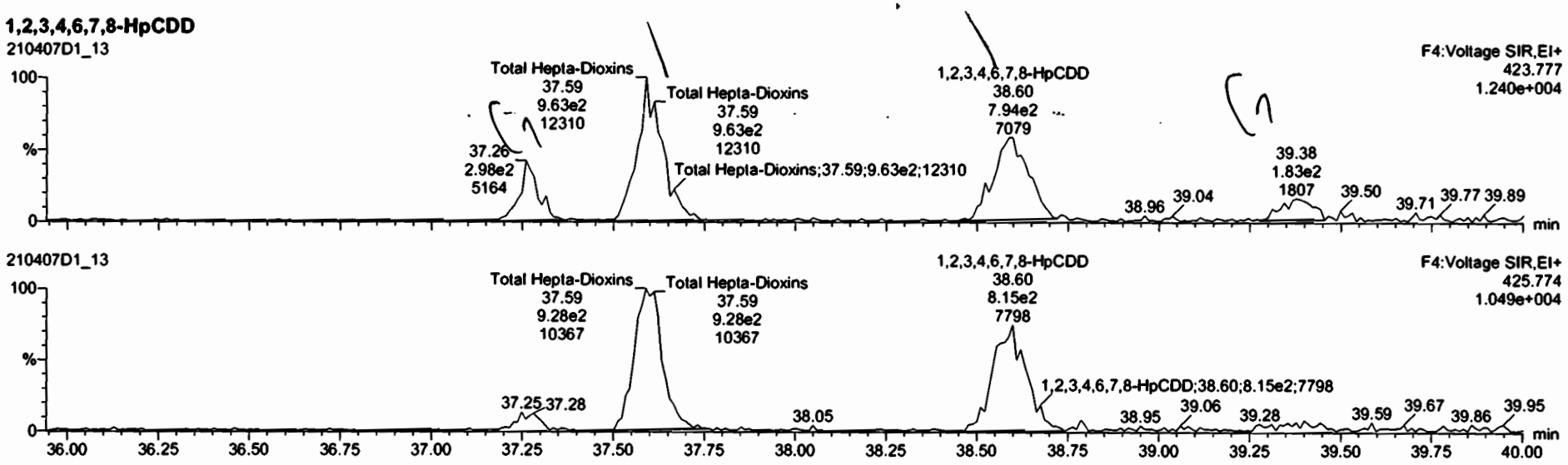
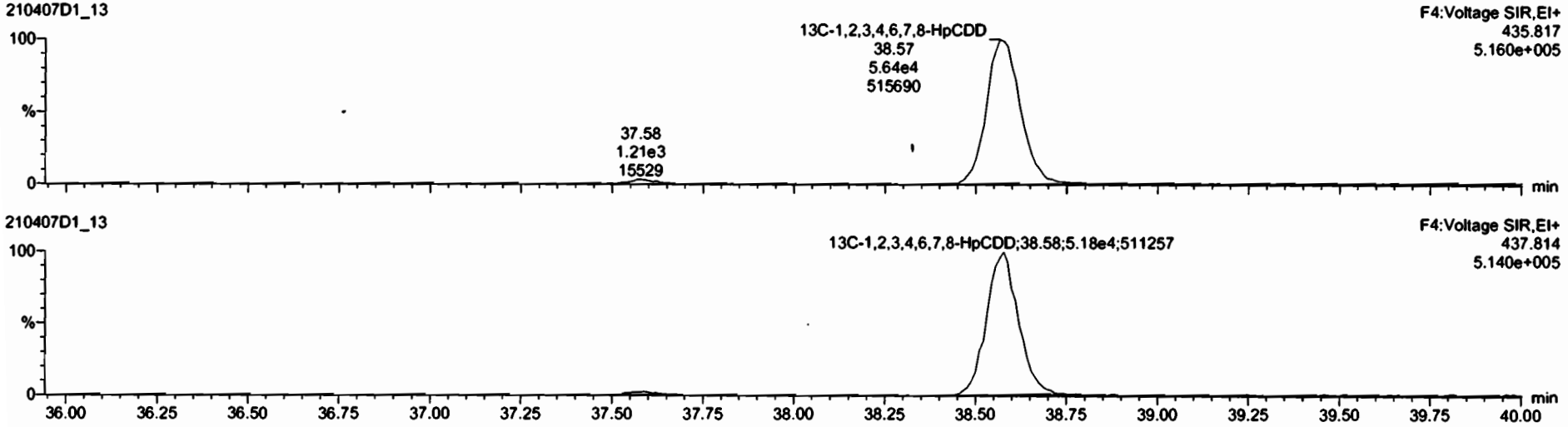
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_13, Date: 07-Apr-2021, Time: 18:05:27, ID: 2103216-18 USMPDI-067RAB-00-10-210316 13.17, Description: USMPDI-067RAB-00-10-210316

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



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



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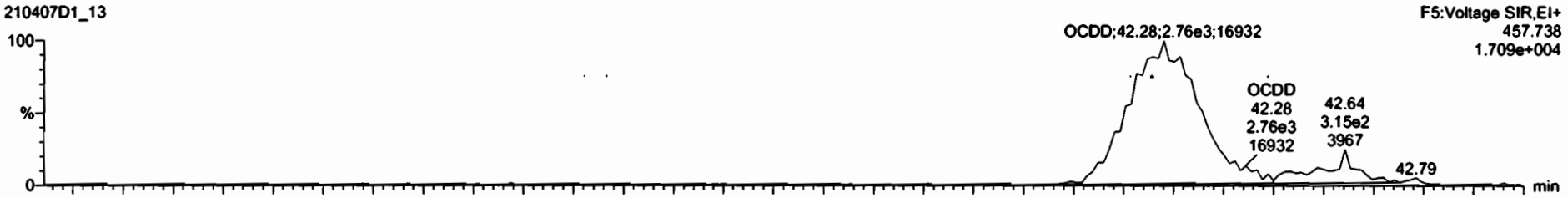
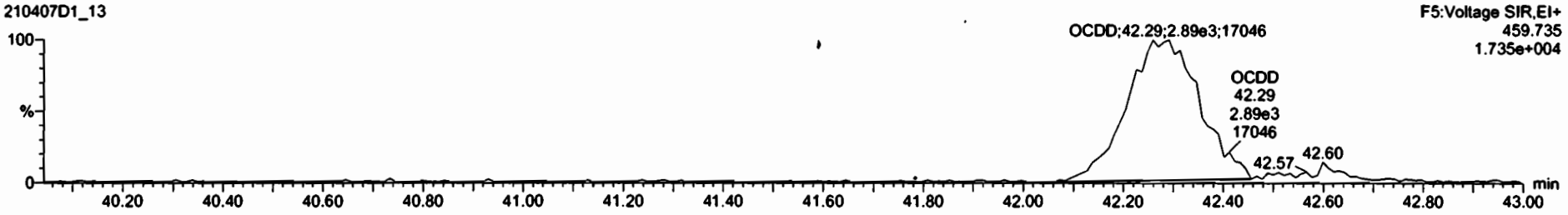
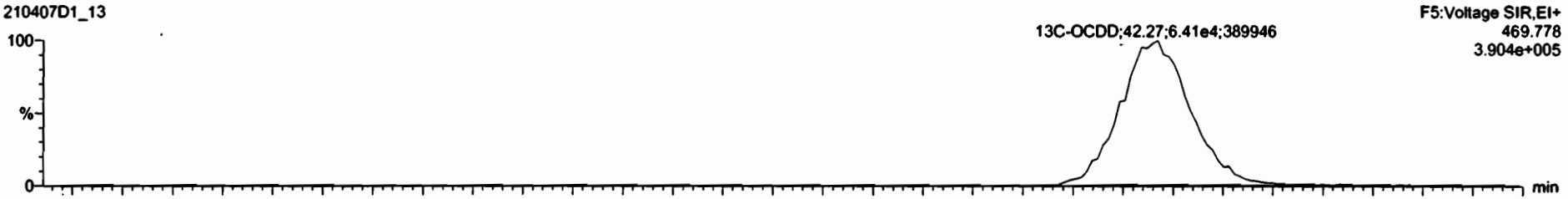
Name: 210407D1_13, Date: 07-Apr-2021, Time: 18:05:27, ID: 2103216-18 USMPDI-067RAB-00-10-210316 13.17, Description: USMPDI-067RAB-00-10-210316

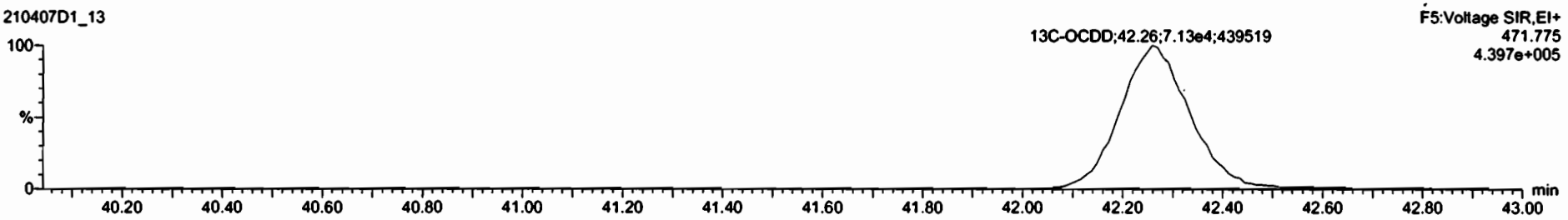
OCDD





13C-OCDD





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Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
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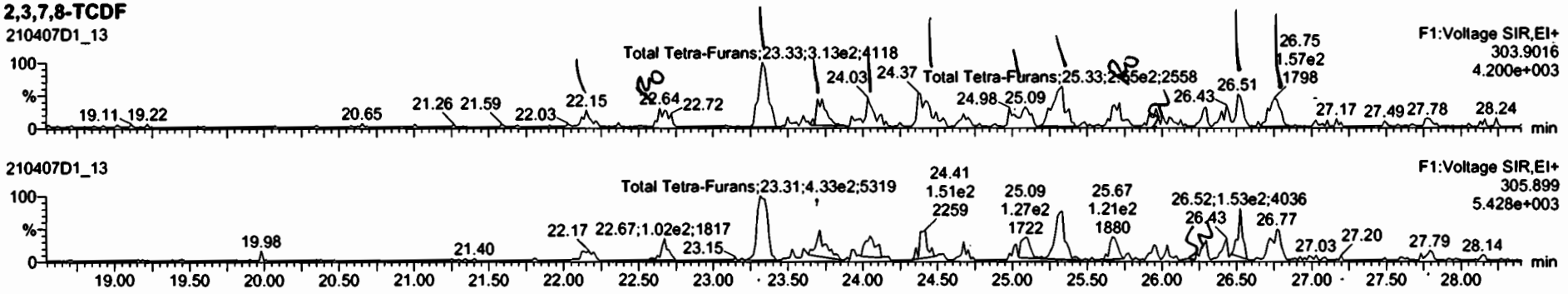
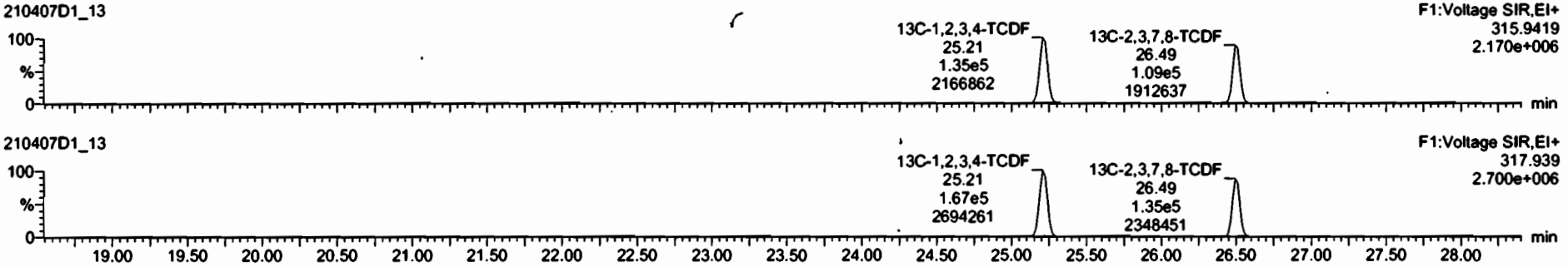
Name: 210407D1_13, Date: 07-Apr-2021, Time: 18:05:27, ID: 2103216-18 USMPDI-067RAB-00-10-210316 13.17, Description: USMPDI-067RAB-00-10-210316

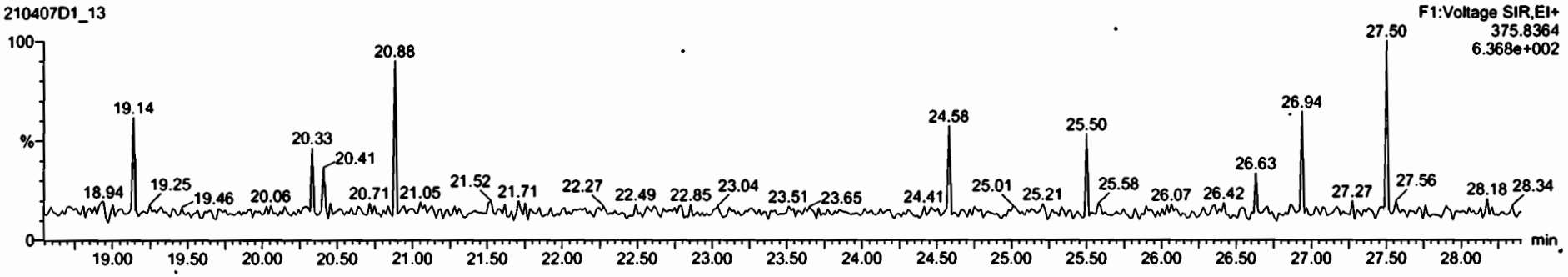
2,3,7,8-TCDF

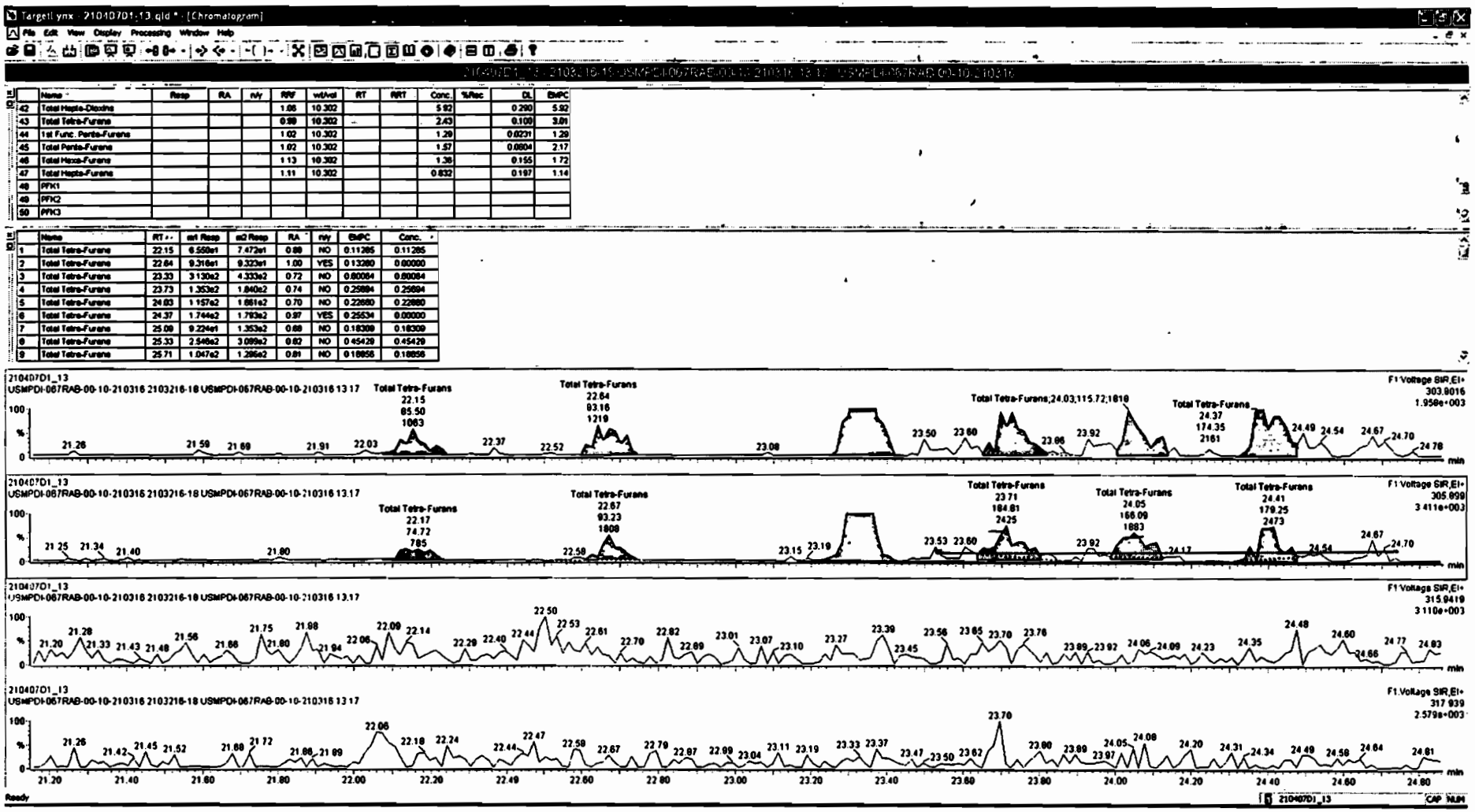


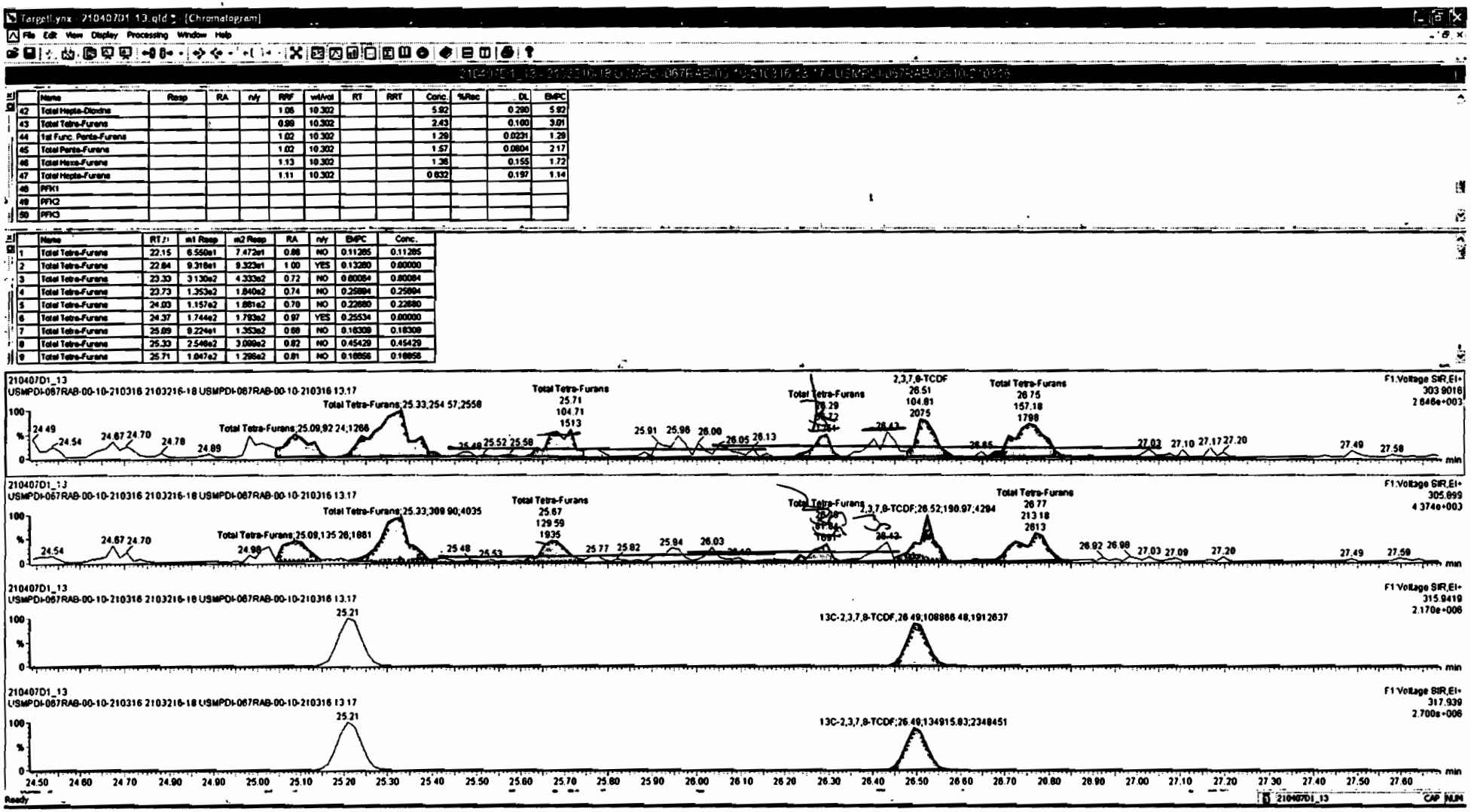
13C-2,3,7,8-TCDF



DPE1




TargetLynx - 210407D1_13.qld * - [Chromatogram]
File Edit View Display Processing Window Help
210407D1_13 2103_16-18 USMPDI-067RAB-00-10-210316 2103216-18 USMPDI-067RAB-00-10-210316
Name Resp RA n/y RRF wt/Aml RT RRT Conc. %Rec DL EMPC
42 Total Hepta-Dioxins 1.06 10.302 5.92 0.290 5.92
43 Total Tetra-Furans 0.99 10.302 2.43 0.100 3.01
44 1st Func. Penta-Furans 1.02 10.302 1.29 0.0231 1.29
45 Total Penta-Furans 1.02 10.302 1.57 0.0804 2.17
46 Total Hexa-Furans 1.13 10.302 1.36 0.155 1.72
47 Total Hepta-Furans 1.11 10.302 0.832 0.197 1.14
48 PFK1
49 PFK2
50 PFK3
Name RT ion1 Resp ion2 Resp RA n/y EMPC Conc.
1 Total Tetra-Furans 22.15 6.558e1 7.472e1 0.88 NO 0.11285 0.11285
2 Total Tetra-Furans 22.64 9.316e1 9.323e1 1.00 YES 0.13280 0.00000
3 Total Tetra-Furans 23.33 3.130e2 4.333e2 0.72 NO 0.60084 0.60084
4 Total Tetra-Furans 23.73 1.353e2 1.840e2 0.74 NO 0.25894 0.25894
5 Total Tetra-Furans 24.03 1.157e2 1.661e2 0.70 NO 0.22880 0.22880
6 Total Tetra-Furans 24.37 1.744e2 1.793e2 0.97 YES 0.25534 0.00000
7 Total Tetra-Furans 25.09 9.224e1 1.353e2 0.68 NO 0.18309 0.18309
8 Total Tetra-Furans 25.33 2.546e2 3.089e2 0.82 NO 0.45429 0.45429
9 Total Tetra-Furans 25.71 1.047e2 1.286e2 0.81 NO 0.18856 0.18856
210407D1_13
USMPDI-067RAB-00-10-210316 2103216-18 USMPDI-067RAB-00-10-210316 13.17
Total Tetra-Furans 22.15 85.50 1063
Total Tetra-Furans 22.64 93.16 1219
Total Tetra-Furans;24.03,115.72;1810
Total Tetra-Furans 24.37 174.35 2161
F1:Voltage SIR,EI+ 303.9016 1.958e+003
Total Tetra-Furans 22.17 74.72 785
Total Tetra-Furans 22.67 93.23 1808
Total Tetra-Furans 23.71 184.81 2425
Total Tetra-Furans 24.05 156.09 1883
Total Tetra-Furans 24.41 179.25 2473
F1:Voltage SIR,EI+ 305.899 3.411e+003
F1:Voltage SIR,EI+ 315.9419 3.110e+003
F1:Voltage SIR,EI+ 317.939 2.579e+003
min
Ready
210407D1_13
CAP NUM



	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
42	Total Hepta-Dioxins				1.06	10.302			5.92		0.290	5.92
43	Total Tetra-Furans				0.99	10.302			2.43		0.100	3.01
44	1st Func. Penta-Furans				1.02	10.302			1.29		0.0231	1.29
45	Total Penta-Furans				1.02	10.302			1.57		0.0804	2.17
46	Total Hexa-Furans				1.13	10.302			1.38		0.155	1.72
47	Total Hepta-Furans				1.11	10.302			0.832		0.197	1.14
48	PFK1											
49	PFK2											
50	PFK3											

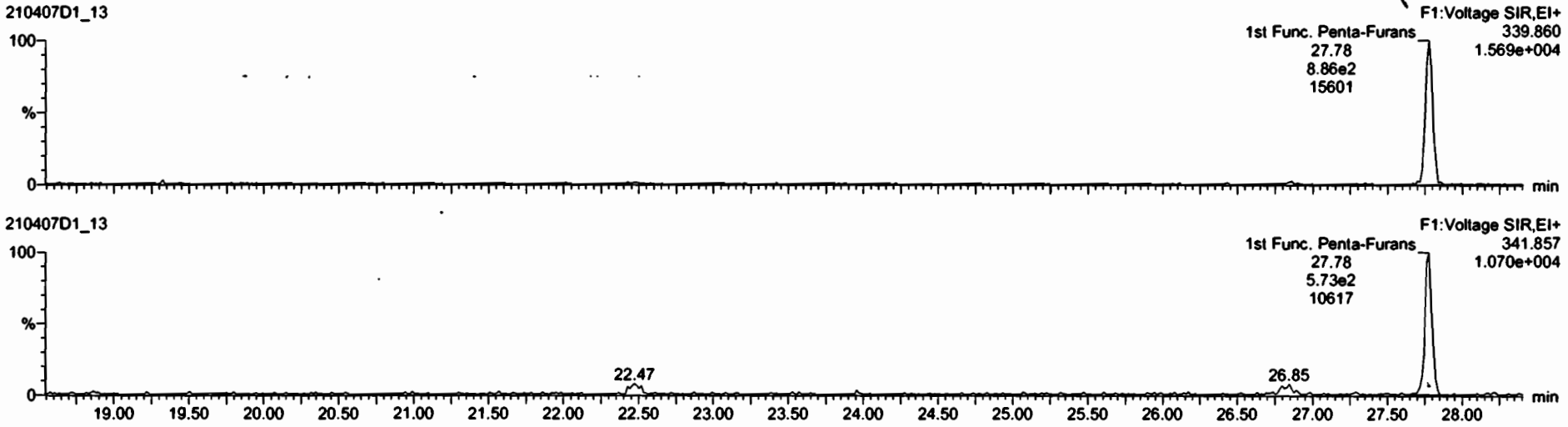
	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Tetra-Furans	22.15	6.550e1	7.472e1	0.88	NO	0.11285	0.11285
2	Total Tetra-Furans	22.84	9.316e1	9.323e1	1.00	YES	0.13280	0.00000
3	Total Tetra-Furans	23.30	3.130e2	4.333e2	0.72	NO	0.60084	0.60084
4	Total Tetra-Furans	23.73	1.353e2	1.840e2	0.74	NO	0.25894	0.25894
5	Total Tetra-Furans	24.03	1.157e2	1.661e2	0.70	NO	0.22680	0.22680
6	Total Tetra-Furans	24.37	1.744e2	1.793e2	0.97	YES	0.25534	0.00000
7	Total Tetra-Furans	25.09	9.224e1	1.353e2	0.68	NO	0.16309	0.16309
8	Total Tetra-Furans	25.30	2.546e2	3.099e2	0.82	NO	0.45429	0.45429
9	Total Tetra-Furans	25.71	1.047e2	1.266e2	0.81	NO	0.16856	0.16856

Dataset: Untitled

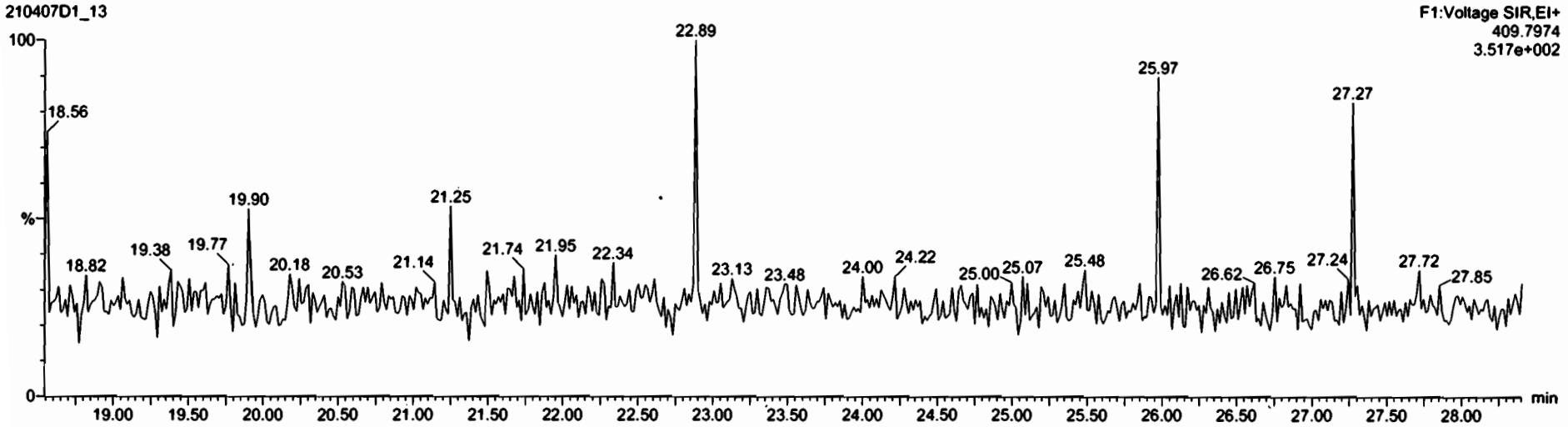
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_13, Date: 07-Apr-2021, Time: 18:05:27, ID: 2103216-18 USMPDI-067RAB-00-10-210316 13.17, Description: USMPDI-067RAB-00-10-210316

1st Func. Penta-Furans



DPE6

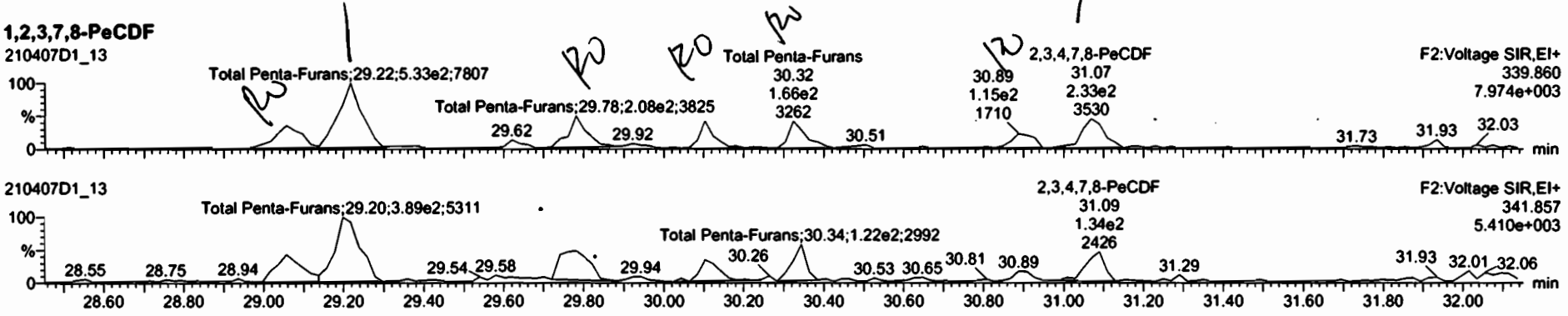


Dataset: Untitled

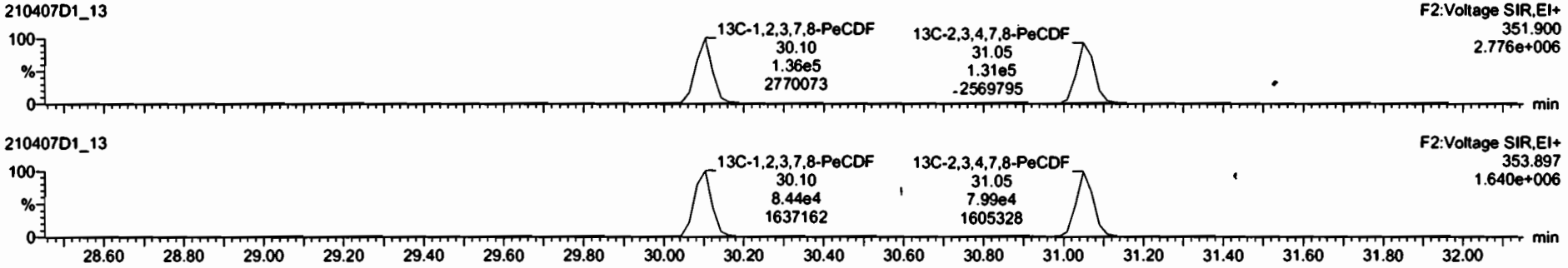
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_13, Date: 07-Apr-2021, Time: 18:05:27, ID: 2103216-18 USMPDI-067RAB-00-10-210316 13.17, Description: USMPDI-067RAB-00-10-210316

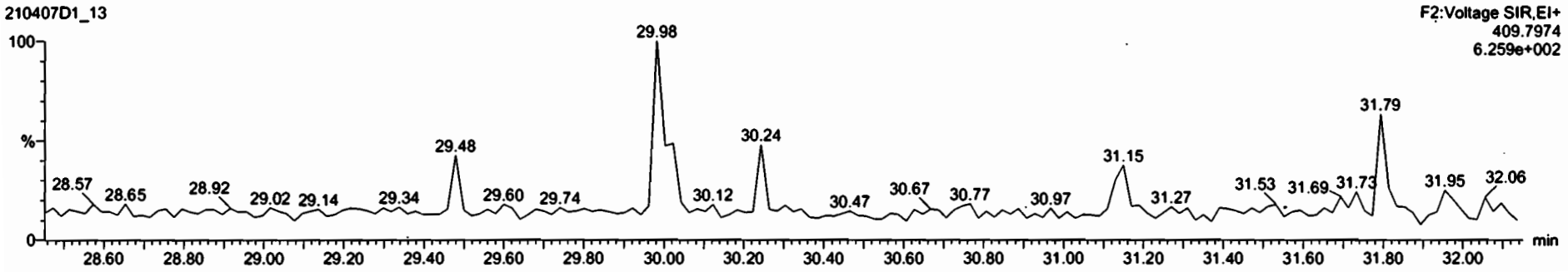
1,2,3,7,8-PeCDF



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



DPE2



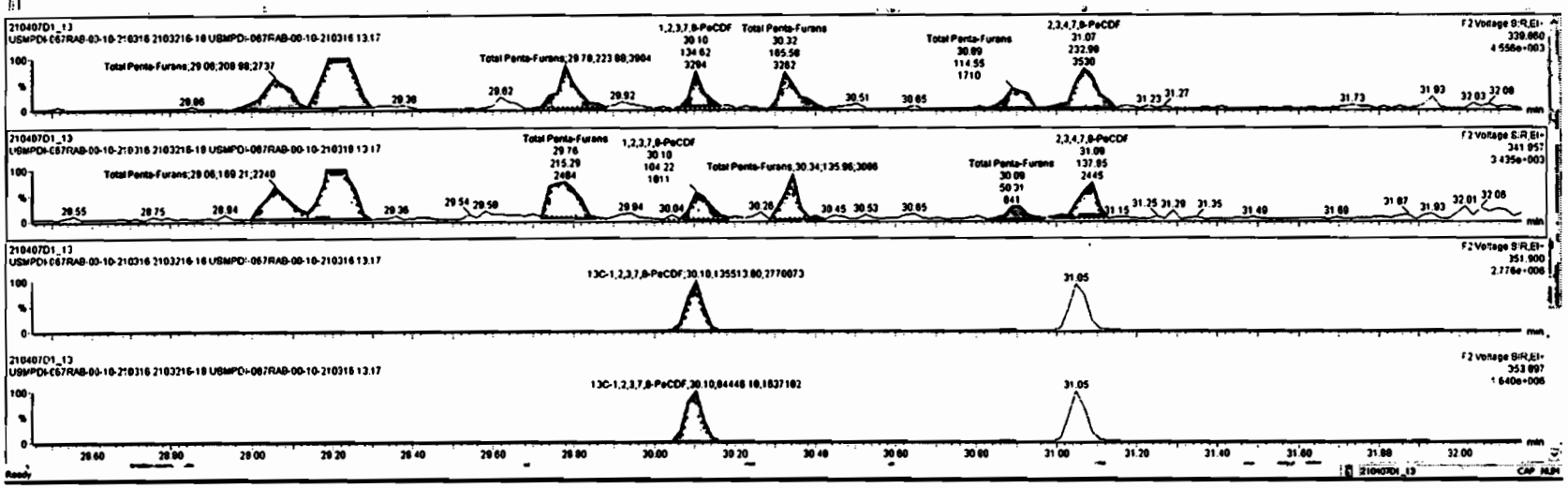
TargetLynx - 210407D1-13.qld * [Chromatogram]

File Edit View Display Processing Window Help

210407D1_13 - 2103216-18 USMPDI-067RAB-00-10-210316 13:17 - USMPDI-067RAB-00-10-210316

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
42	Total Hepta-Dioxins				1.08	10.302			5.97		0.290	5.97
43	Total Tetra-Furans				0.99	10.302			2.62		0.100	3.20
44	1st Func. Penta-Furans				1.02	10.302			1.29		0.0231	1.29
45	Total Penta-Furans				1.02	10.302			1.10		0.8804	2.28
46	Total Hexa-Furans				1.13	10.302			1.36		0.155	1.72
47	Total Hepta-Furans				1.11	10.302			0.832		0.197	1.14
48	PFK1											
49	PFK2											
50	PFK3											

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Penta-Furans	29.08	2.080e2	1.682e2	1.24	YES	0.30309	0.00000
2	Total Penta-Furans	29.22	5.331e2	3.884e2	1.37	NO	0.81320	0.81320
3	Total Penta-Furans	29.78	2.238e2	2.153e2	1.04	YES	0.32470	0.00000
4	1,2,3,7,8-PeCDF	30.10	1.346e2	1.042e2	1.29	YES	0.19123	0.00000
5	Total Penta-Furans	30.32	1.658e2	1.360e2	1.22	YES	0.24015	0.00000
6	Total Penta-Furans	30.89	1.146e2	5.031e1	2.28	YES	0.11310	0.00000
7	2,3,4,7,8-PeCDF	31.07	2.330e2	1.379e2	1.69	NO	0.29086	0.29086



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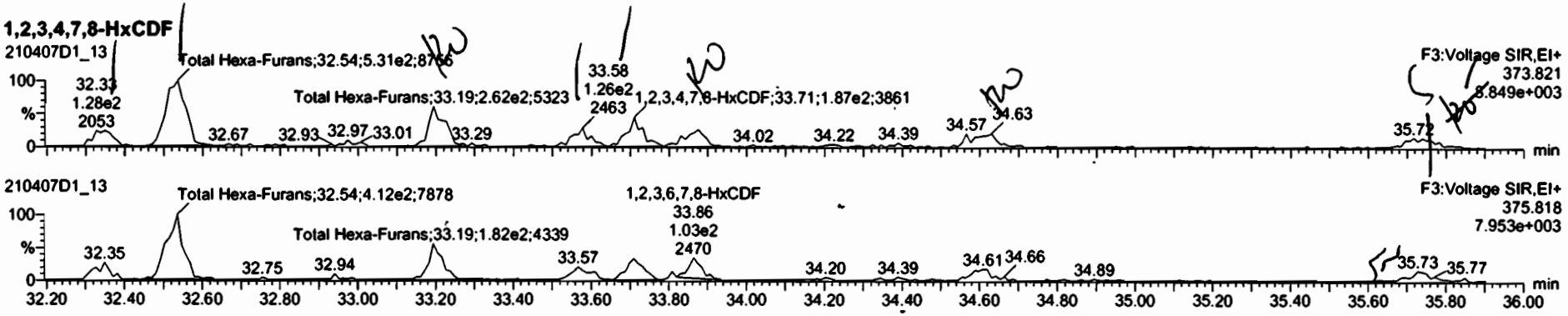
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_13, Date: 07-Apr-2021, Time: 18:05:27, ID: 2103216-18 USMPDI-067RAB-00-10-210316 13.17, Description: USMPDI-067RAB-00-10-210316

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



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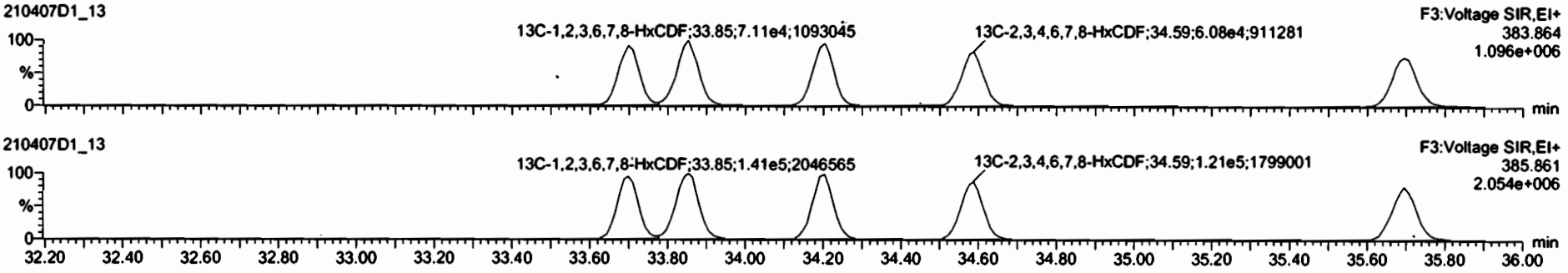
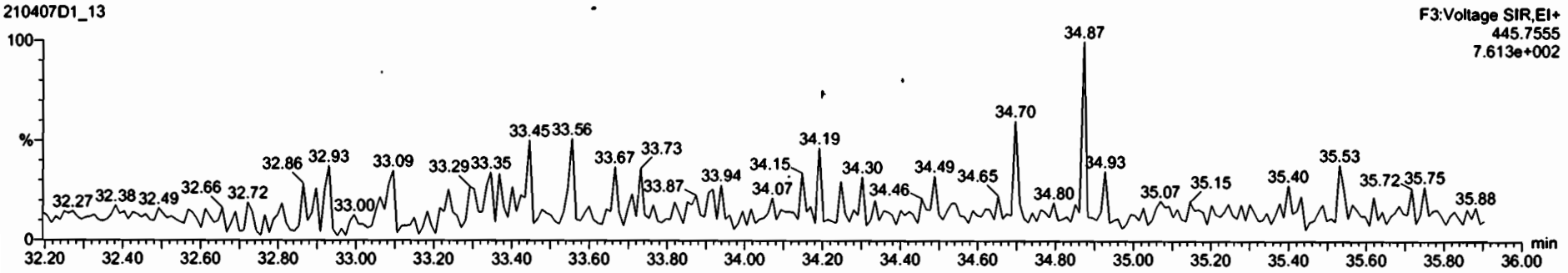
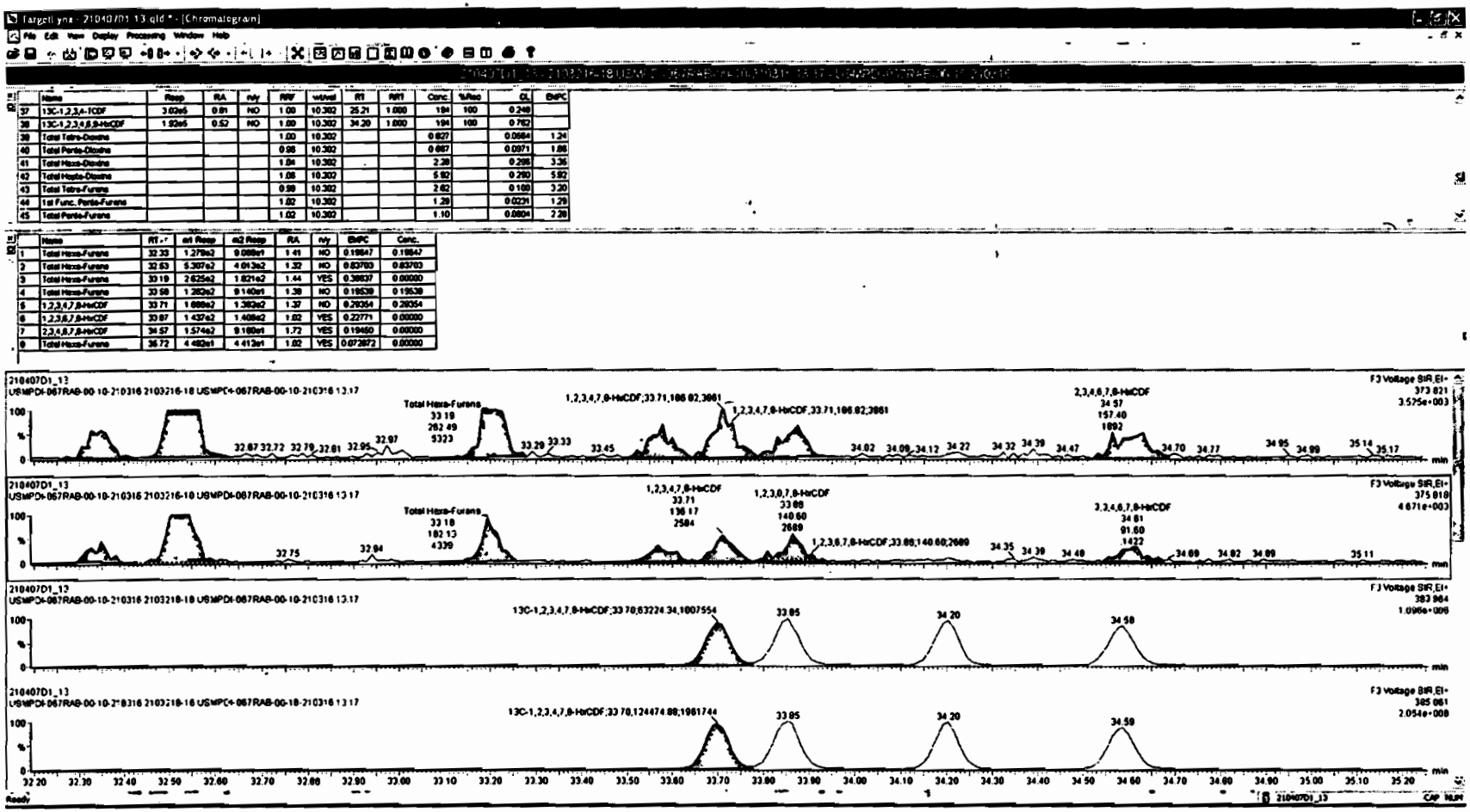


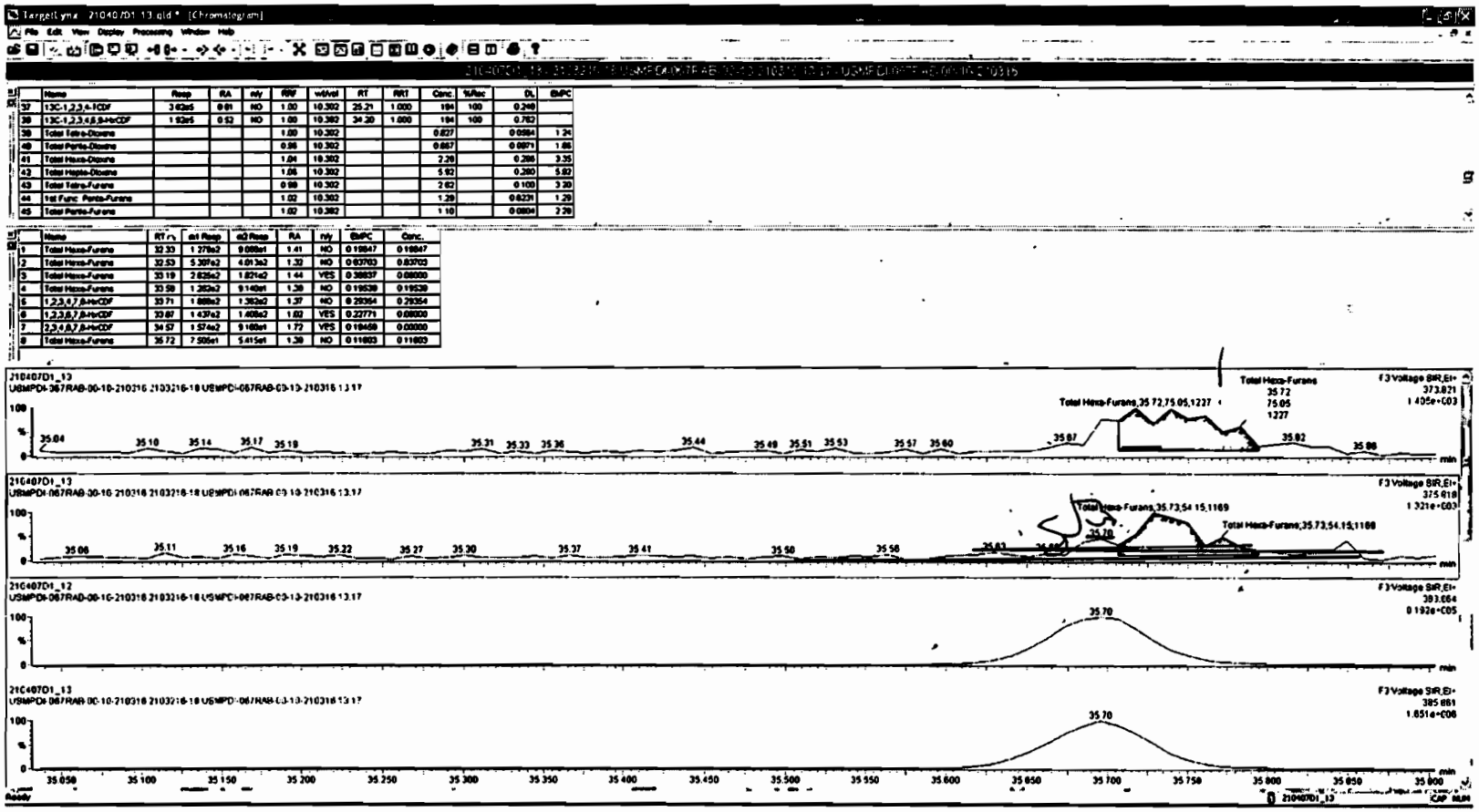
DPE3





	Name	Resp	RA	rdy	RRF	wtd/wt	RT	RRT	Conc	%Rec	DL	EMPC
37	13C-1,2,3,4-TCDF	3.62e5	0.81	NO	1.00	10.302	25.21	1.000	194	100	0.249	
38	13C-1,2,3,4,6,8-HxCDF	1.92e5	0.52	NO	1.00	10.302	34.20	1.000	194	100	0.762	
39	Total Tetra-Dioxins				1.00	10.302			0.827		0.0664	1.24
40	Total Penta-Dioxins				0.98	10.302			0.667		0.0971	1.86
41	Total Hexa-Dioxins				1.04	10.302			2.39		0.298	3.36
42	Total Hepta-Dioxins				1.08	10.302			5.92		0.280	5.92
43	Total Tetra-Furans				0.98	10.302			2.62		0.100	3.20
44	1st Func. Penta-Furans				1.02	10.302			1.29		0.0231	1.29
45	Total Penta-Furans				1.02	10.302			1.10		0.0804	2.28

	Name	RT	an1 Resp	an2 Resp	RA	rdy	EMPC	Conc.
1	Total Hexa-Furans	32.33	1.279e2	9.088e1	1.41	NO	0.19847	0.19847
2	Total Hexa-Furans	32.53	5.307e2	4.013e2	1.32	NO	0.83703	0.83703
3	Total Hexa-Furans	33.19	2.625e2	1.821e2	1.44	YES	0.38637	0.00000
4	Total Hexa-Furans	33.56	1.282e2	9.140e1	1.38	NO	0.19539	0.19539
5	1,2,3,4,7,8-HxCDF	33.71	1.888e2	1.382e2	1.37	NO	0.28354	0.28354
6	1,2,3,6,7,8-HxCDF	33.87	1.432e2	1.408e2	1.02	YES	0.22771	0.00000
7	2,3,4,6,7,8-HxCDF	34.57	1.574e2	9.166e1	1.72	YES	0.19460	0.00000
8	Total Hexa-Furans	36.72	4.482e1	4.412e1	1.02	YES	0.072872	0.00000



	Name	Resp	RA	m/y	RRF	w/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
37	13C-1,2,3,4-HCDF	3 62e5	0 81	NO	1 00	10 302	25 21	1 000	194	100	0 249	
38	13C-1,2,3,4,6,8-HpCDF	1 92e5	0 52	NO	1 00	10 302	34 20	1 000	194	100	0 783	
39	Total Tetra-Dioxins				1 00	10 302			0 827		0 0984	1 24
40	Total Penta-Dioxins				0 96	10 302			0 867		0 0971	1 66
41	Total Hexa-Dioxins				1 04	10 302			2 26		0 266	3 35
42	Total Hepta-Dioxins				1 06	10 302			5 92		0 260	5 82
43	Total Tetra-Furans				0 98	10 302			2 62		0 100	3 20
44	Std Func Penta-Furans				1 02	10 302			1 29		0 8231	1 29
45	Total Penta-Furans				1 02	10 302			1 10		0 0804	2 29

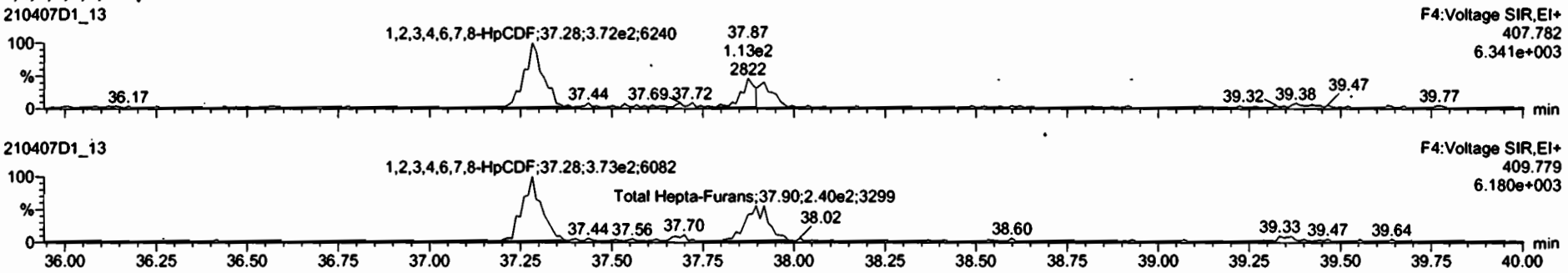
	Name	RT	ad Resp	ad2 Resp	RA	m/y	EMPC	Conc.
1	Total Hexa-Furans	32 33	1 378e2	9 688e1	1 41	NO	0 19847	0 19847
2	Total Hexa-Furans	32 53	5 397e2	4 013e2	1 32	NO	0 83703	0 83703
3	Total Hexa-Furans	35 19	2 635e2	1 821e2	1 44	YES	0 38857	0 88888
4	Total Hexa-Furans	35 58	1 282e2	9 140e1	1 39	NO	0 18538	0 18538
5	1,2,3,4,7,8-HxCDF	35 71	1 888e2	1 382e2	1 37	NO	0 28354	0 28354
6	1,2,3,6,7,8-HxCDF	35 87	1 437e2	1 468e2	1 02	YES	0 22771	0 88888
7	2,3,4,6,7,8-HxCDF	34 57	1 574e2	9 168e1	1 72	YES	0 19468	0 88888
8	Total Hexa-Furans	35 72	7 506e1	5 415e1	1 39	NO	0 11603	0 11603

Dataset: Untitled

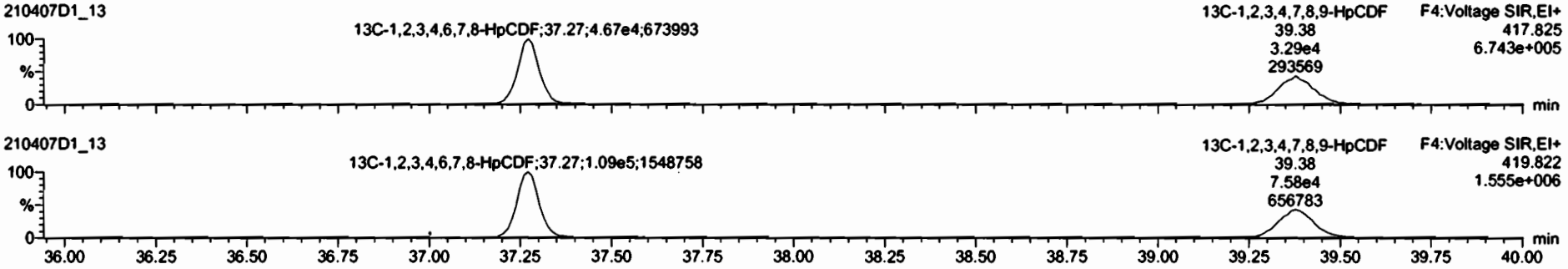
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_13, Date: 07-Apr-2021, Time: 18:05:27, ID: 2103216-18 USMPDI-067RAB-00-10-210316 13.17, Description: USMPDI-067RAB-00-10-210316

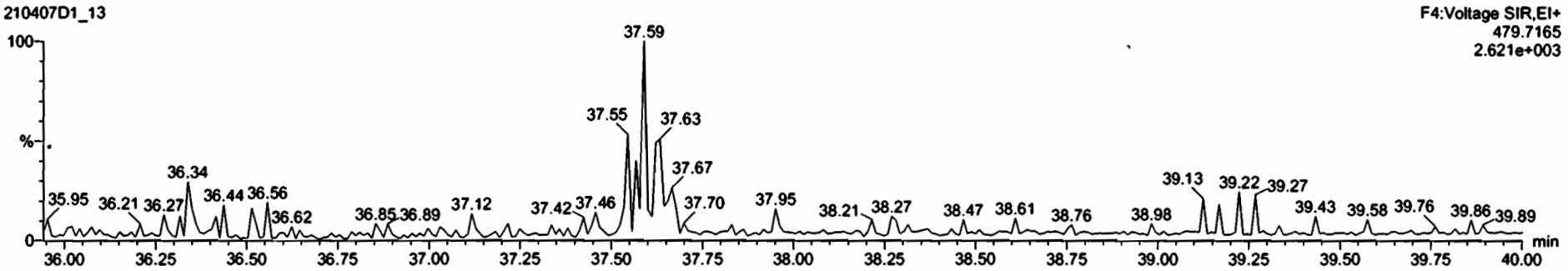
1,2,3,4,6,7,8-HpCDF

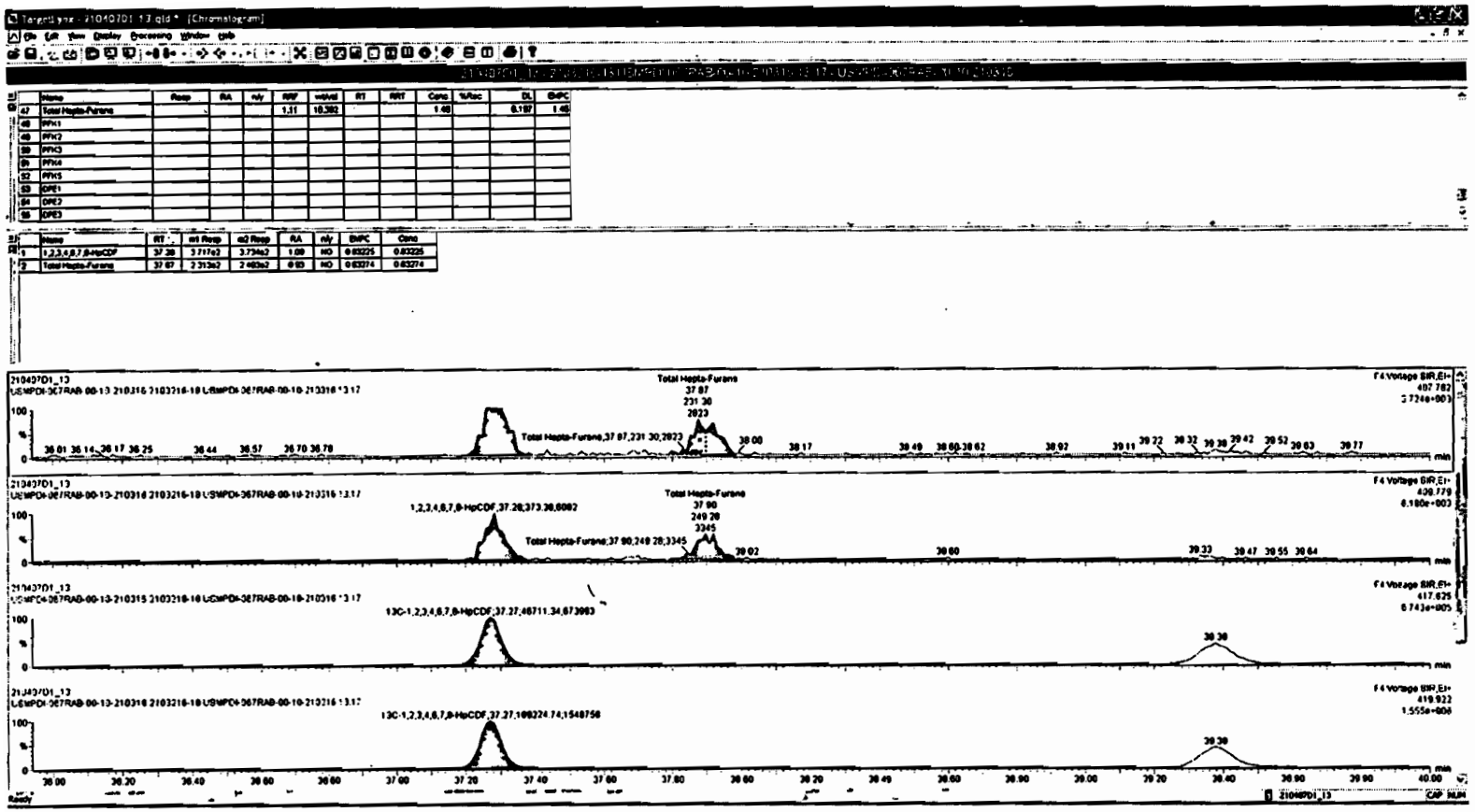


13C-1,2,3,4,6,7,8-HpCDF



DPE4

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231.30
2023
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249.28
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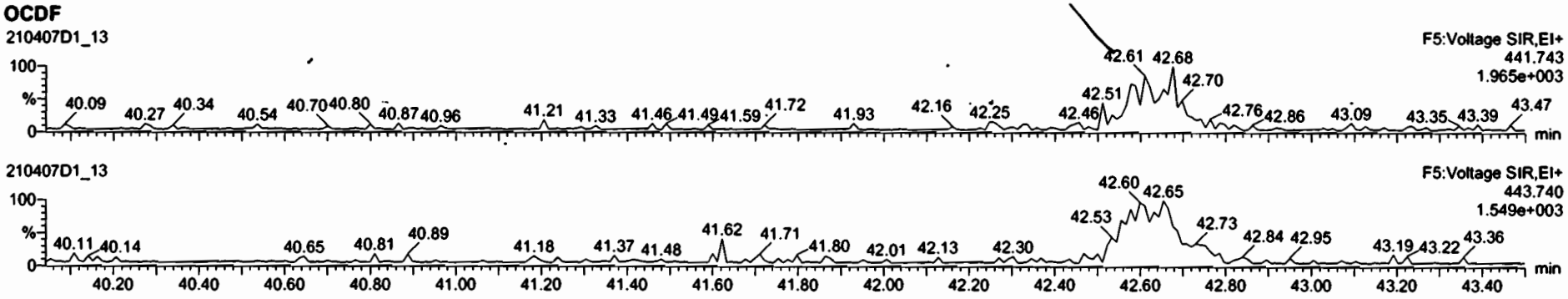
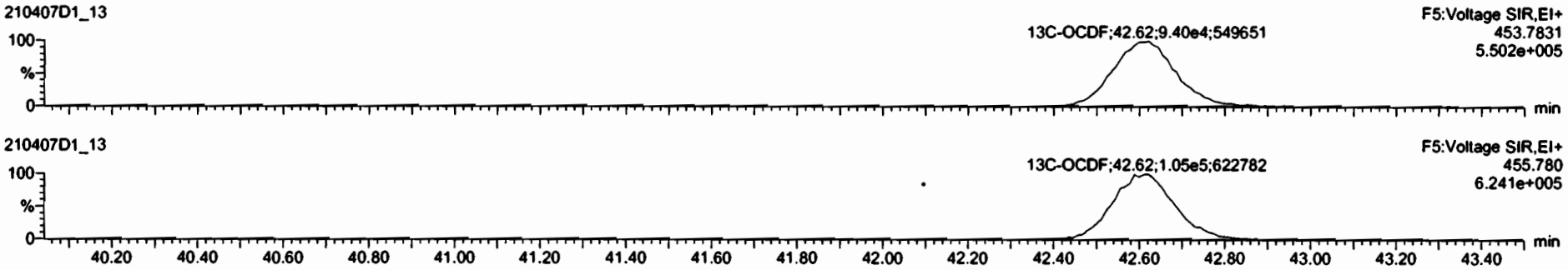
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_13, Date: 07-Apr-2021, Time: 18:05:27, ID: 2103216-18 USMPDI-067RAB-00-10-210316 13.17, Description: USMPDI-067RAB-00-10-210316

OCDF



13C-OCDF



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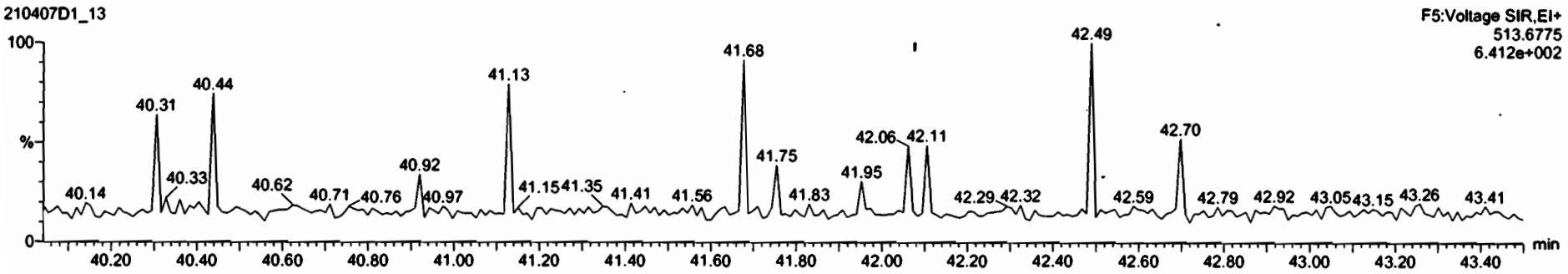

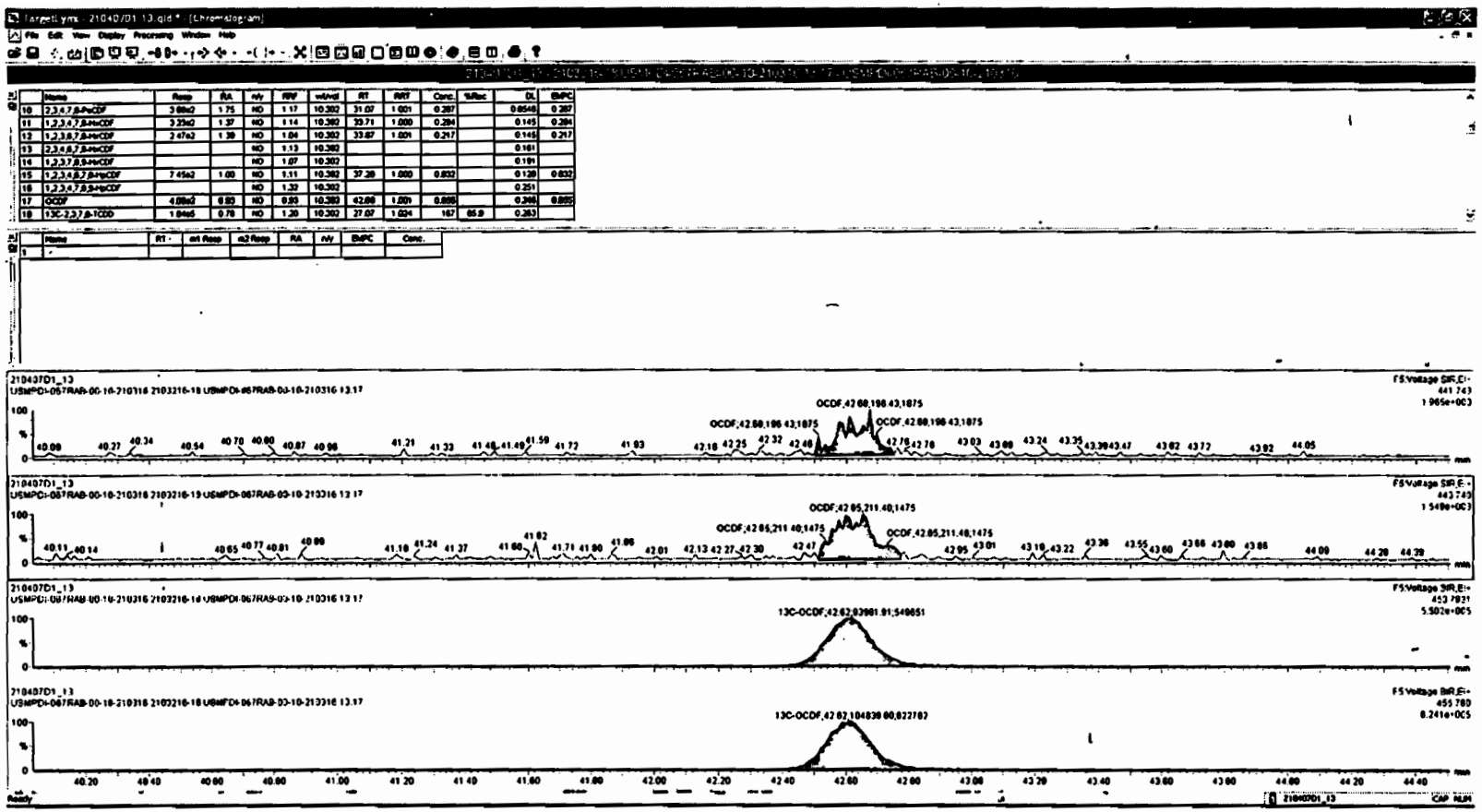
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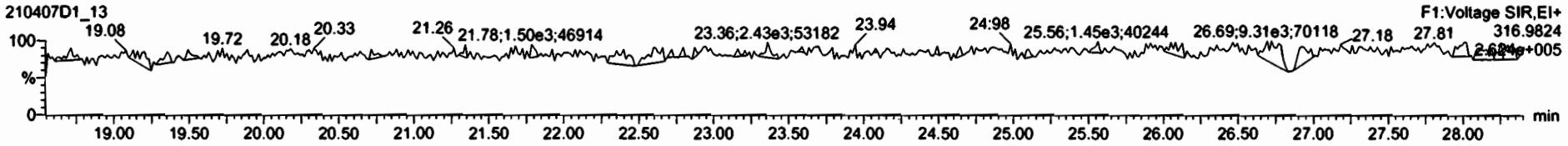
Dataset: Untitled

Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_13, Date: 07-Apr-2021, Time: 18:05:27, ID: 2103216-18 USMPDI-067RAB-00-10-210316 13.17, Description: USMPDI-067RAB-00-10-210316

PFK1



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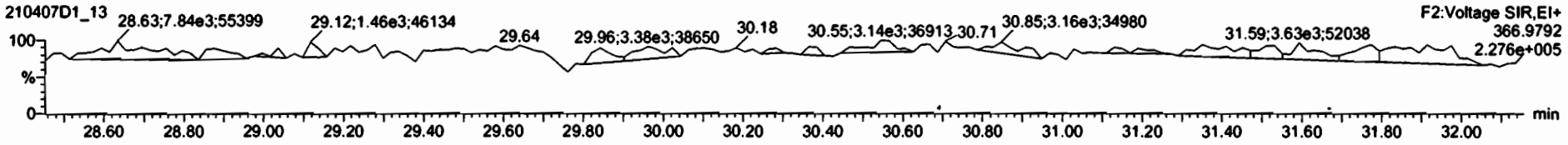

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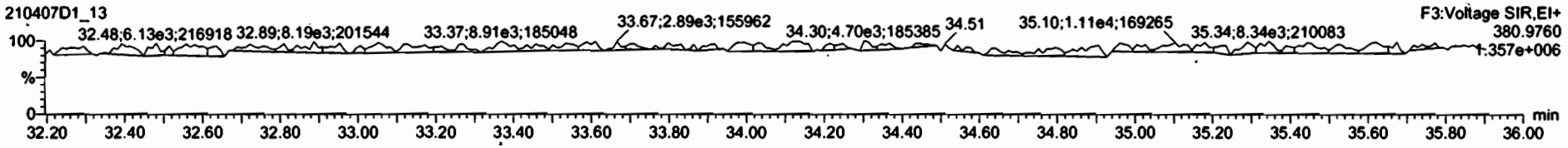
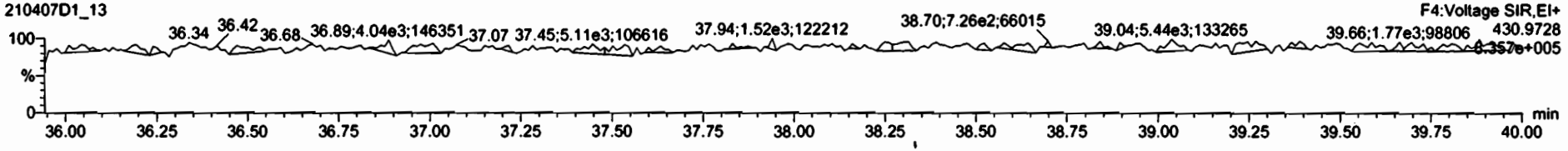
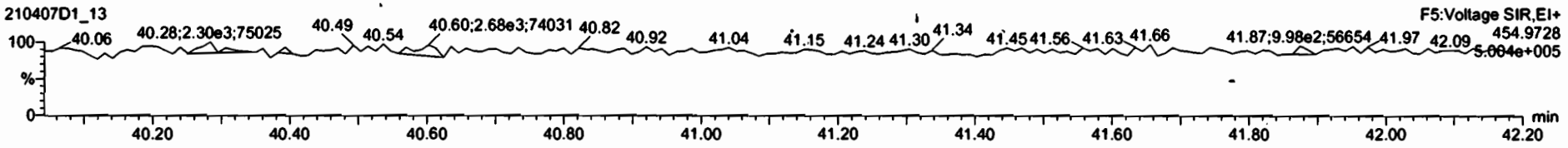


PFK4



PFK5



Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-14.qld

Last Altered: Wednesday, April 21, 2021 2:27:38 PM Pacific Daylight Time
Printed: Wednesday, April 21, 2021 2:28:07 PM Pacific Daylight Time

HL 4.21.2021 CT 04/21/2021

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_4-6-21.mdb 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210407D1_14, Date: 07-Apr-2021, Time: 18:52:06, ID: 2103216-19 USMPDI-067RAB-10-20-210316 13.45, Description: USMPDI-067RAB-10-20-210316, Task: ST210407D1-1

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD										0.0570	
2	1,2,3,7,8-PeCDD			NO	0.961	10.101					0.157	
3	1,2,3,4,7,8-HxCDD			NO	1.18	10.101					0.226	
4	1,2,3,6,7,8-HxCDD			NO	1.04	10.101					0.217	
5	1,2,3,7,8,9-HxCDD	9.65e1	0.95	YES	1.06	10.101	35.15	1.000	0.13147		0.219	0.115
6	1,2,3,4,6,7,8-HpCDD	6.63e2	0.97	NO	1.06	10.101	38.64	1.001	1.1652		0.276	1.17
7	OCDD	3.01e3	0.90	NO	0.977	10.101	42.30	1.001	8.5861		1.15	8.59
8	2,3,7,8-TCDF			NO	0.989	10.101					0.0548	
9	1,2,3,7,8-PeCDF			NO	1.02	10.101					0.0495	
10	2,3,4,7,8-PeCDF			NO	1.17	10.101					0.0482	
11	1,2,3,4,7,8-HxCDF			NO	1.14	10.101					0.0450	
12	1,2,3,6,7,8-HxCDF			NO	1.04	10.101					0.0419	
13	2,3,4,6,7,8-HxCDF			NO	1.13	10.101					0.0517	
14	1,2,3,7,8,9-HxCDF			NO	1.07	10.101					0.0660	
15	1,2,3,4,6,7,8-HpCDF			NO	1.11	10.101					0.0518	
16	1,2,3,4,7,8,9-HpCDF			NO	1.32	10.101					0.109	
17	OCDF			NO	0.931	10.101					0.158	
18	13C-2,3,7,8-TCDD	1.56e5	0.80	NO	1.20	10.101	27.08	1.025	160.58	81.1	0.315	
19	13C-1,2,3,7,8-PeCDD	1.34e5	0.63	NO	0.864	10.101	31.23	1.182	191.88	96.9	0.245	
20	13C-1,2,3,4,7,8-HxCDD	1.08e5	1.37	NO	0.600	10.101	34.70	1.015	196.73	99.4	0.712	
21	13C-1,2,3,6,7,8-HxCDD	1.27e5	1.29	NO	0.674	10.101	34.83	1.019	205.01	104	0.633	
22	13C-1,2,3,7,8,9-HxCDD	1.37e5	1.28	NO	0.679	10.101	35.14	1.028	220.16	111	0.629	
23	13C-1,2,3,4,6,7,8-HpCDD	1.06e5	1.11	NO	0.558	10.101	38.62	1.130	207.32	105	1.01	
24	13C-OCDD	1.42e5	0.90	NO	0.496	10.101	42.27	1.236	311.65	78.7	0.557	
25	13C-2,3,7,8-TCDF	2.10e5	0.80	NO	1.03	10.101	26.49	1.003	148.52	75.0	0.300	
26	13C-1,2,3,7,8-PeCDF	1.97e5	1.68	NO	0.805	10.101	30.10	1.140	177.94	89.9	0.448	
27	13C-2,3,4,7,8-PeCDF	1.82e5	1.58	NO	0.748	10.101	31.05	1.175	176.59	89.2	0.482	
28	13C-1,2,3,4,7,8-HxCDF	1.73e5	0.53	NO	0.968	10.101	33.71	0.986	194.55	98.3	0.881	
29	13C-1,2,3,6,7,8-HxCDF	1.99e5	0.51	NO	1.08	10.101	33.85	0.990	199.93	101	0.786	
30	13C-2,3,4,6,7,8-HxCDF	1.76e5	0.49	NO	0.960	10.101	34.58	1.011	199.74	101	0.888	

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-14.qld

Last Altered: Wednesday, April 21, 2021 2:27:38 PM Pacific Daylight Time
Printed: Wednesday, April 21, 2021 2:28:07 PM Pacific Daylight Time

Name: 210407D1_14, Date: 07-Apr-2021, Time: 18:52:06, ID: 2103216-19 USMPDI-067RAB-10-20-210316 13.45, Description: USMPDI-067RAB-10-20-210316, Task: ST210407D1-1

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	1.66e5	0.51	NO	0.869	10.101	35.72	1.045	208.19	105	0.981	
32	13C-1,2,3,4,6,7,8-HpCDF	1.49e5	0.42	NO	0.794	10.101	37.36	1.093	204.68	103	0.817	
33	13C-1,2,3,4,7,8,9-HpCDF	9.98e4	0.41	NO	0.586	10.101	39.44	1.154	185.55	93.7	1.11	
34	13C-OCDF	2.05e5	0.89	NO	0.711	10.101	42.64	1.247	313.71	79.2	0.517	
35	37Cl-2,3,7,8-TCDD	5.58e4			1.11	10.101	27.09	1.025	62.547	79.0	0.0506	
36	13C-1,2,3,4-TCDD	1.60e5	0.87	NO	1.00	10.101	26.42	1.000	197.99	100	0.379	
37	13C-1,2,3,4-TCDF	2.72e5	0.84	NO	1.00	10.101	25.21	1.000	197.99	100	0.308	
38	13C-1,2,3,4,6,9-HxCDF	1.82e5	0.51	NO	1.00	10.101	34.19	1.000	197.99	100	0.853	
39	Total Tetra-Dioxins				0.998	10.101			0.00000		0.0303	0.0795
40	Total Penta-Dioxins				0.961	10.101					0.0649	
41	Total Hexa-Dioxins				1.04	10.101			0.86878		0.231	1.58
42	Total Hepta-Dioxins				1.06	10.101			2.9151		0.276	2.92
43	Total Tetra-Furans				0.989	10.101			0.00000		0.0286	0.169
44	1st Func. Penta-Furans				1.02	10.101					0.00981	
45	Total Penta-Furans				1.02	10.101			0.00000		0.0250	0.0782
46	Total Hexa-Furans				1.13	10.101			0.026919		0.0266	0.0269
47	Total Hepta-Furans				1.11	10.101					0.0480	

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-14.qld

Last Altered: Wednesday, April 21, 2021 2:27:38 PM Pacific Daylight Time
Printed: Wednesday, April 21, 2021 2:28:07 PM Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_4-6-21.mdb 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210407D1_14, Date: 07-Apr-2021, Time: 18:52:06, ID: 2103216-19 USMPDI-067RAB-10-20-210316 13.45, Description: USMPDI-067RAB-10-20-210316, Task: ST210407D1-1

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Tetra-Dioxins	24.00	7.570e2	6.500e2	4.199e1	3.525e1	1.19	YES	0.000e0	0.00000	0.079499	0.0303

Penta-Dioxins

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

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hexa-Dioxins	32.90	5.639e3	5.375e3	3.029e2	2.638e2	1.15	NO	5.667e2	0.86878	0.86878	0.231
2	Total Hexa-Dioxins	33.85	6.083e3	2.972e3	3.478e2	1.731e2	2.01	YES	0.000e0	0.00000	0.59449	0.231
3	1,2,3,7,8,9-HxCDD	35.15	1.026e3	8.930e2	4.693e1	4.959e1	0.95	YES	9.651e1	0.00000	0.11548	0.219

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hepta-Dioxins	37.71	4.902e3	6.163e3	4.950e2	5.003e2	0.99	NO	9.953e2	1.7498	1.7498	0.436
2	1,2,3,4,6,7,8-HpCDD	38.64	4.567e3	3.053e3	3.266e2	3.362e2	0.97	NO	6.628e2	1.1652	1.1652	0.276

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Tetra-Furans	23.33	1.640e3	2.533e3	7.696e1	1.564e2	0.49	YES	0.000e0	0.00000	0.16893	0.0548

Penta-Furans function 1

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

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-14.qld

Last Altered: Wednesday, April 21, 2021 2:27:38 PM Pacific Daylight Time
Printed: Wednesday, April 21, 2021 2:28:07 PM Pacific Daylight Time

Name: 210407D1_14, Date: 07-Apr-2021, Time: 18:52:06, ID: 2103216-19 USMPDI-067RAB-10-20-210316 13.45, Description: USMPDI-067RAB-10-20-210316, Task: ST210407D1-1

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	29.82	5.250e2	7.600e2	4.649e1	6.639e1	0.70	YES	0.000e0	0.00000	0.078200	0.0250

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.53	4.770e2	3.060e2	1.448e1	1.291e1	1.12	NO	2.739e1	0.026919	0.026919	0.0266

Hepta-Furans

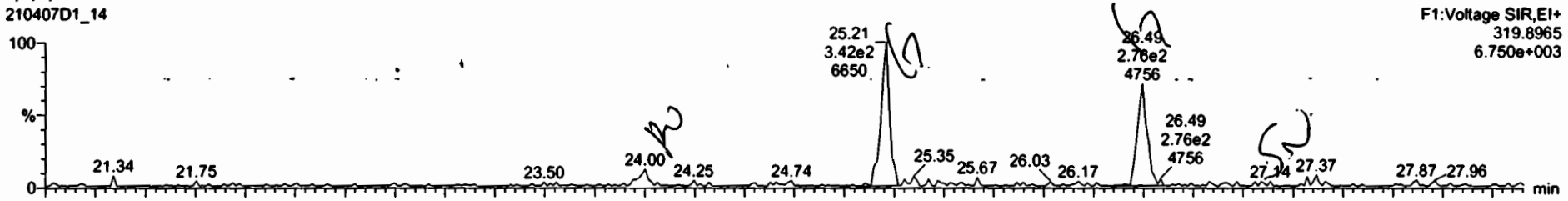
	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

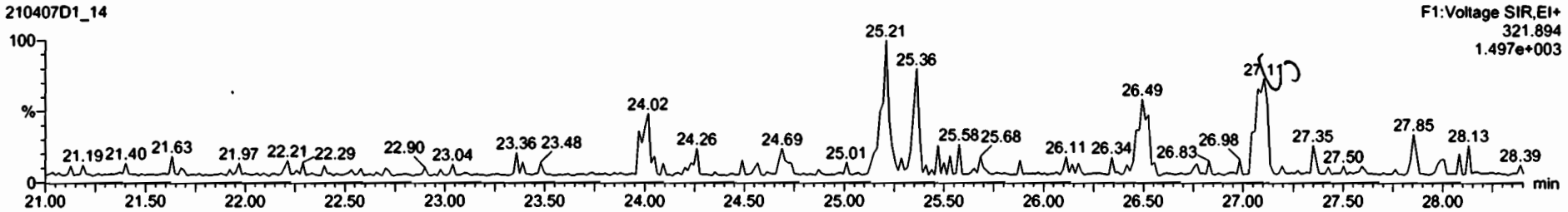
Dataset: Untitled

Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

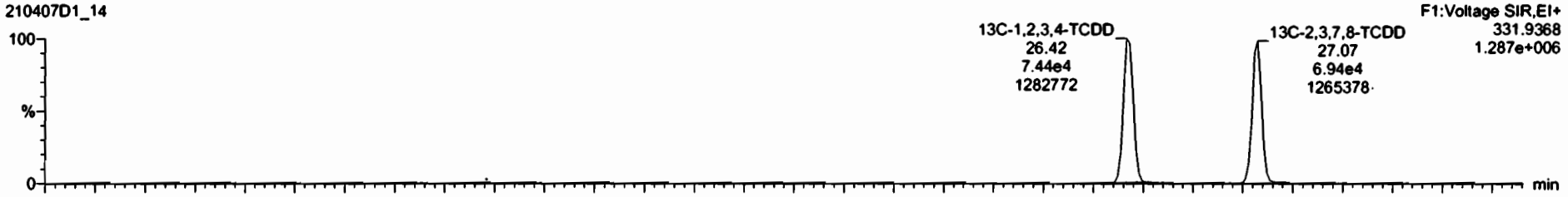
Name: 210407D1_14, Date: 07-Apr-2021, Time: 18:52:06, ID: 2103216-19 USMPDI-067RAB-10-20-210316 13.45, Description: USMPDI-067RAB-10-20-210316

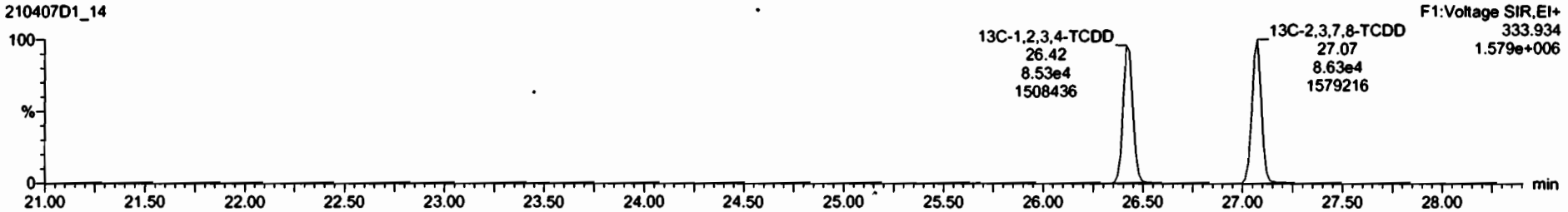
2,3,7,8-TCDD

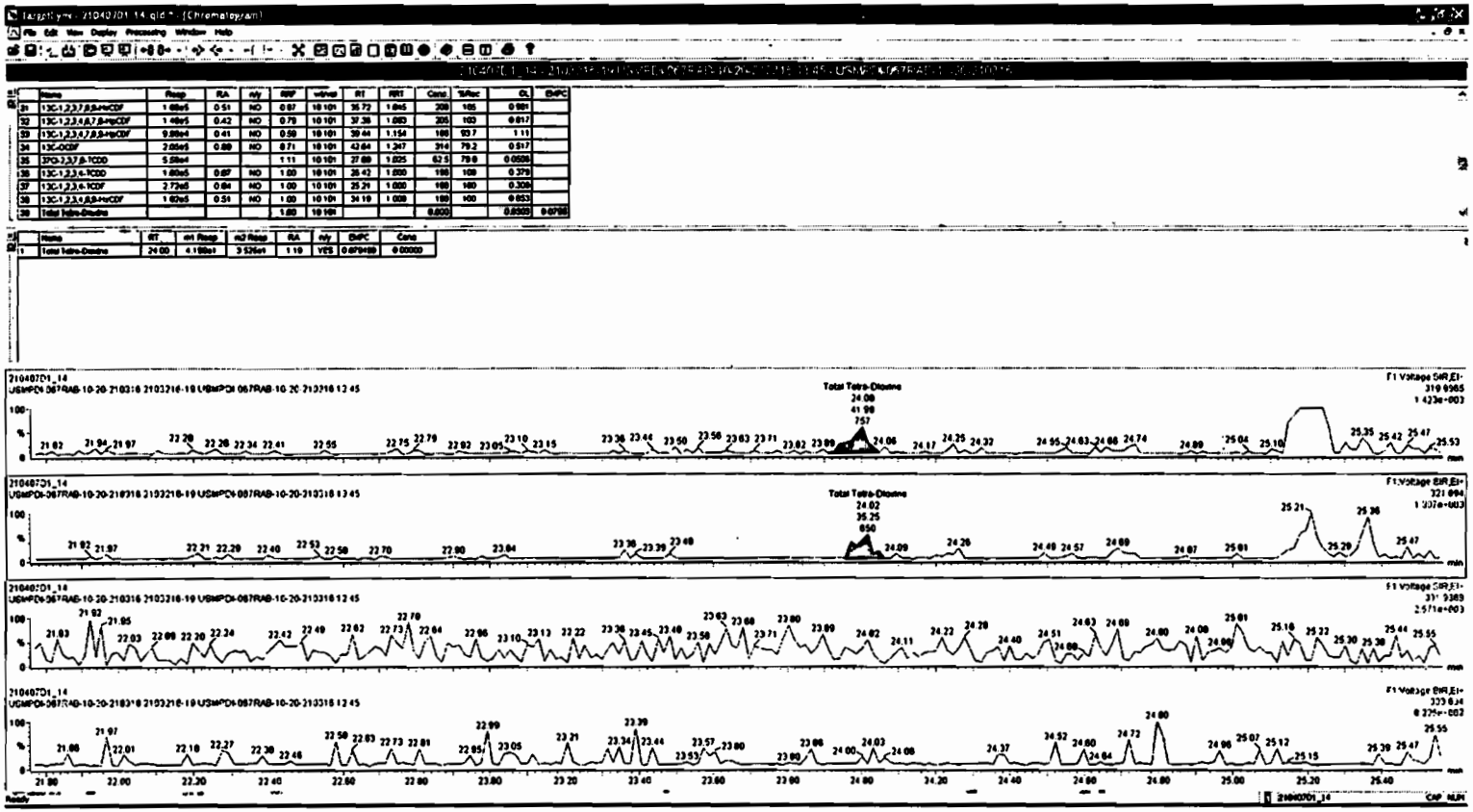




13C-2,3,7,8-TCDD







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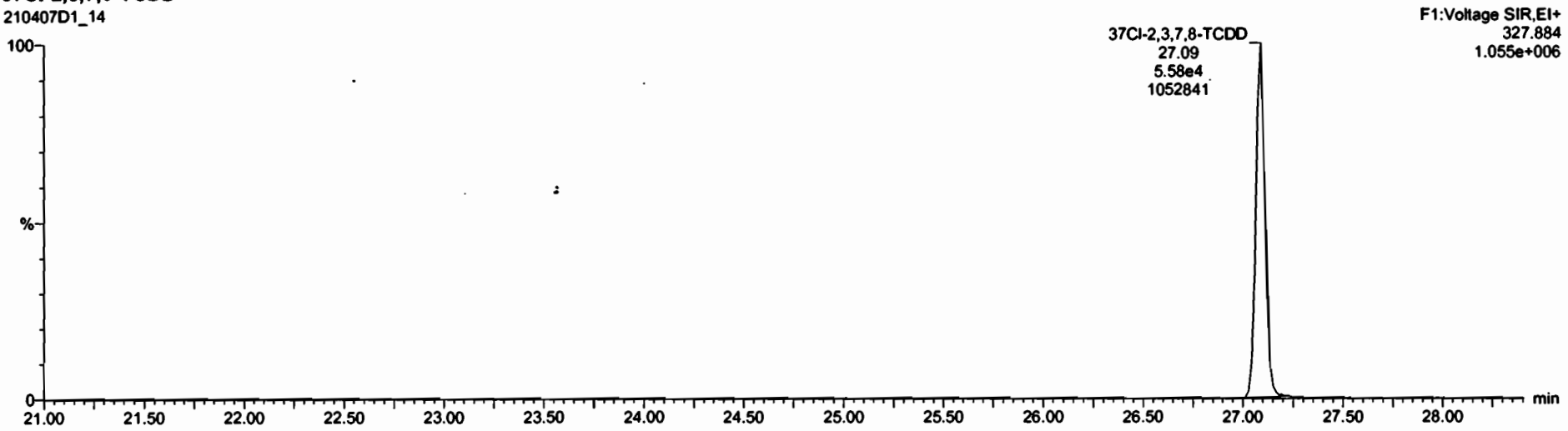
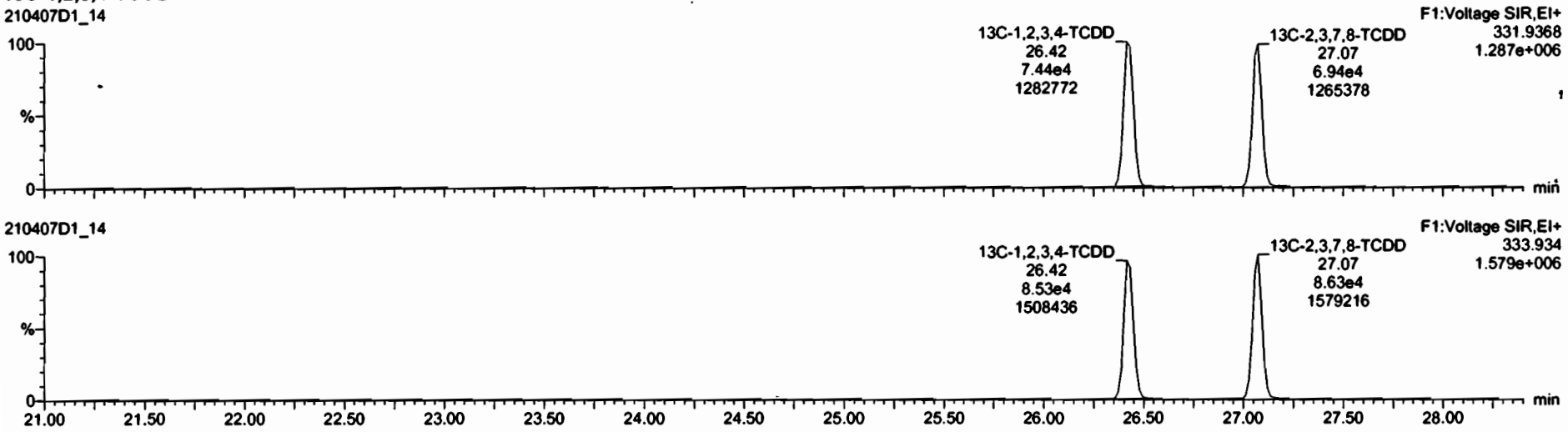
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_14, Date: 07-Apr-2021, Time: 18:52:06, ID: 2103216-19 USMPDI-067RAB-10-20-210316 13.45, Description: USMPDI-067RAB-10-20-210316

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



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



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Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
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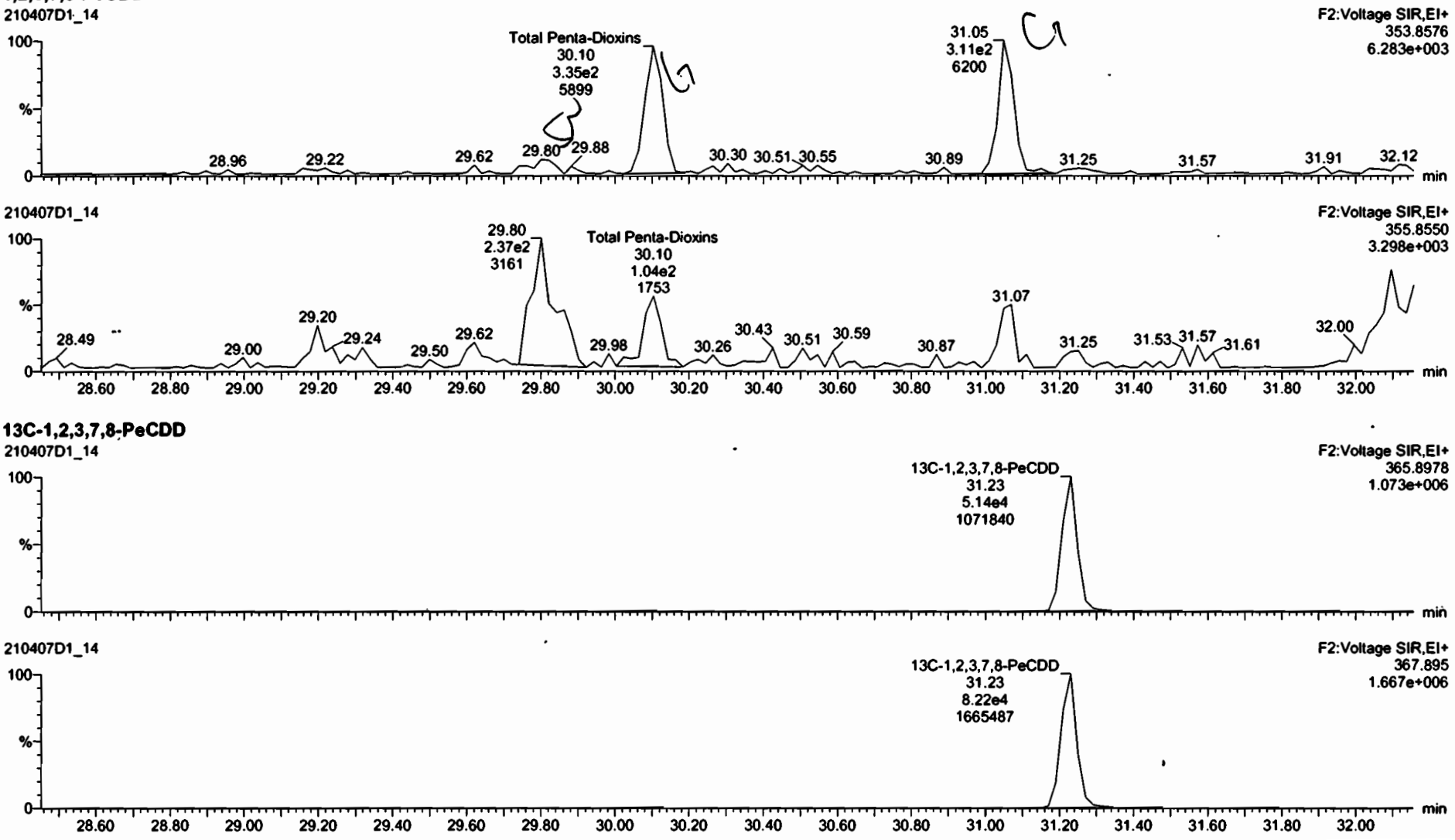
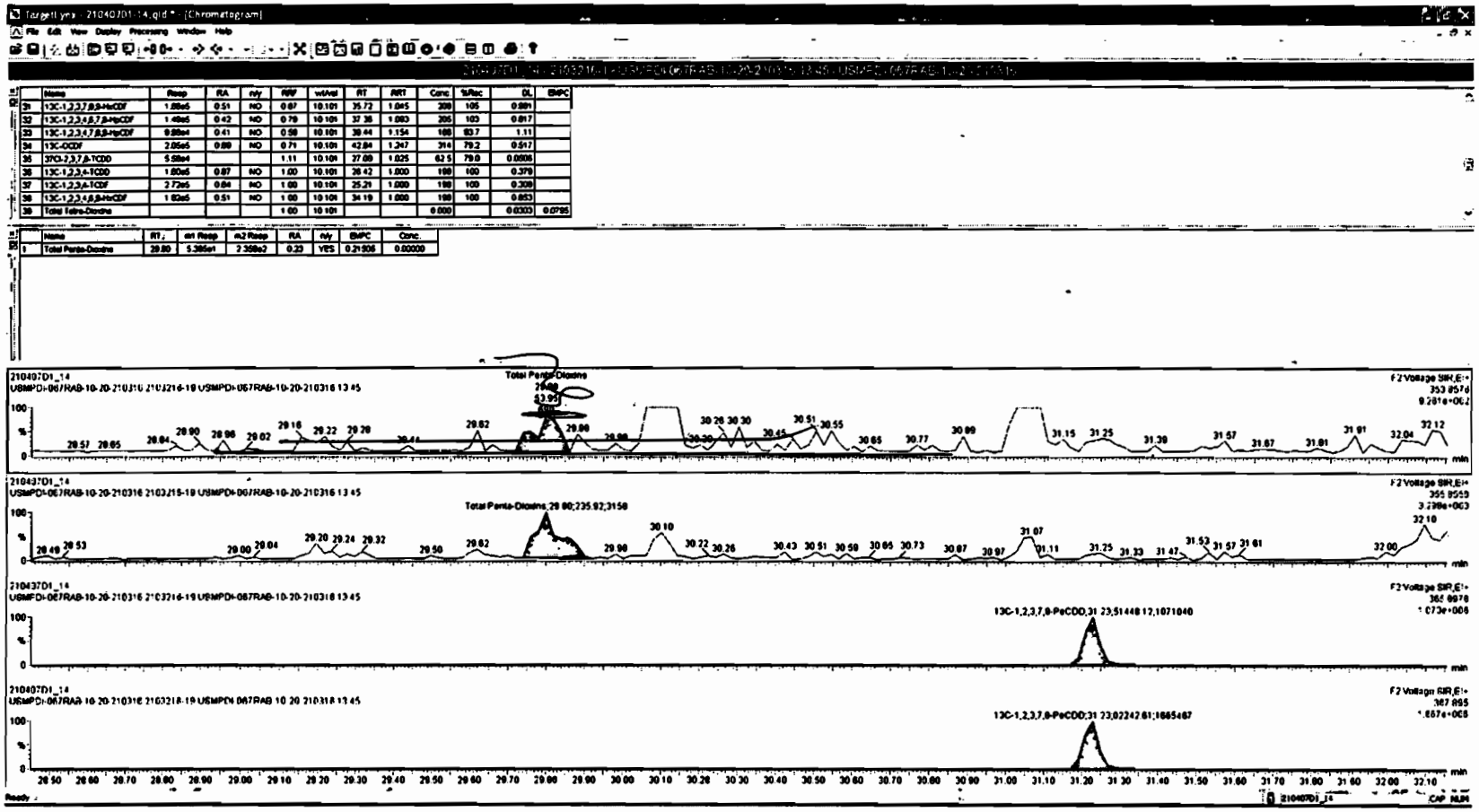
Name: 210407D1_14, Date: 07-Apr-2021, Time: 18:52:06, ID: 2103216-19 USMPDI-067RAB-10-20-210316 13.45, Description: USMPDI-067RAB-10-20-210316

1,2,3,7,8-PeCDD



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



	Name	Resp	RA	rdy	RRF	wtAnal	RT	ART	Conc	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	1.88e5	0.51	NO	0.87	10.101	35.72	1.045	200	105	0.891	
32	13C-1,2,3,4,6,7,8-HpCDF	1.48e5	0.42	NO	0.79	10.101	37.38	1.093	206	103	0.817	
33	13C-1,2,3,4,7,8,9-HpCDF	9.89e4	0.41	NO	0.58	10.101	38.44	1.154	188	93.7	1.11	
34	13C-OCDF	2.05e5	0.89	NO	0.71	10.101	42.84	1.247	314	79.2	0.517	
35	STD-2,3,7,8-TCDD	5.98e4			1.11	10.101	27.69	1.025	62.5	79.0	0.0808	
36	13C-1,2,3,4-TCDD	1.80e5	0.87	NO	1.00	10.101	28.42	1.000	100	100	0.379	
37	13C-1,2,3,4-TCDF	2.72e5	0.84	NO	1.00	10.101	25.21	1.000	100	100	0.308	
38	13C-1,2,3,4,8,9-HxCDF	1.82e5	0.51	NO	1.00	10.101	34.19	1.000	100	100	0.853	
39	Total Tetra-Dioxins				1.00	10.101			0.000		0.0303	0.0795

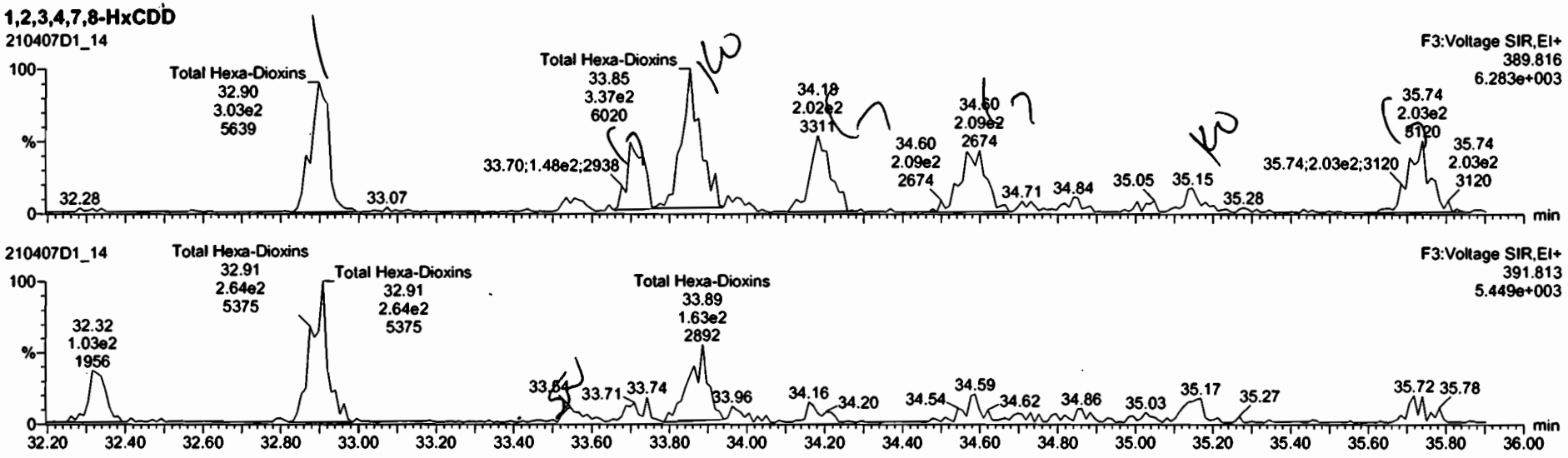
	Name	RT	on Resp	m2 Resp	RA	rdy	EMPC	Conc
1	Total Penta-Dioxins	29.80	5.385e1	2.358e2	0.23	YES	0.21506	0.00000

Dataset: Untitled

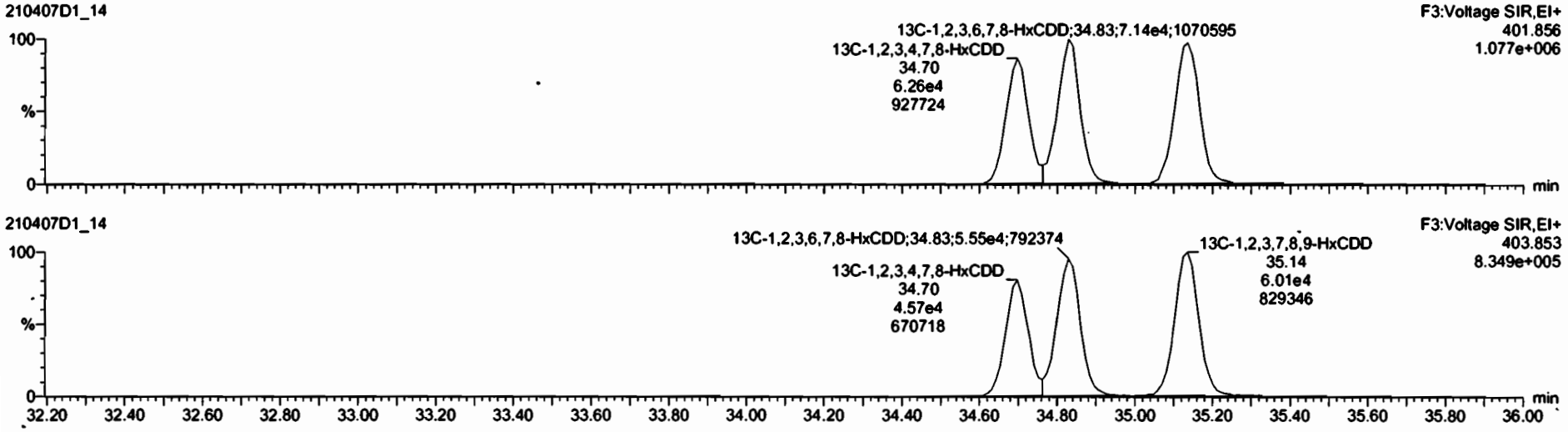
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

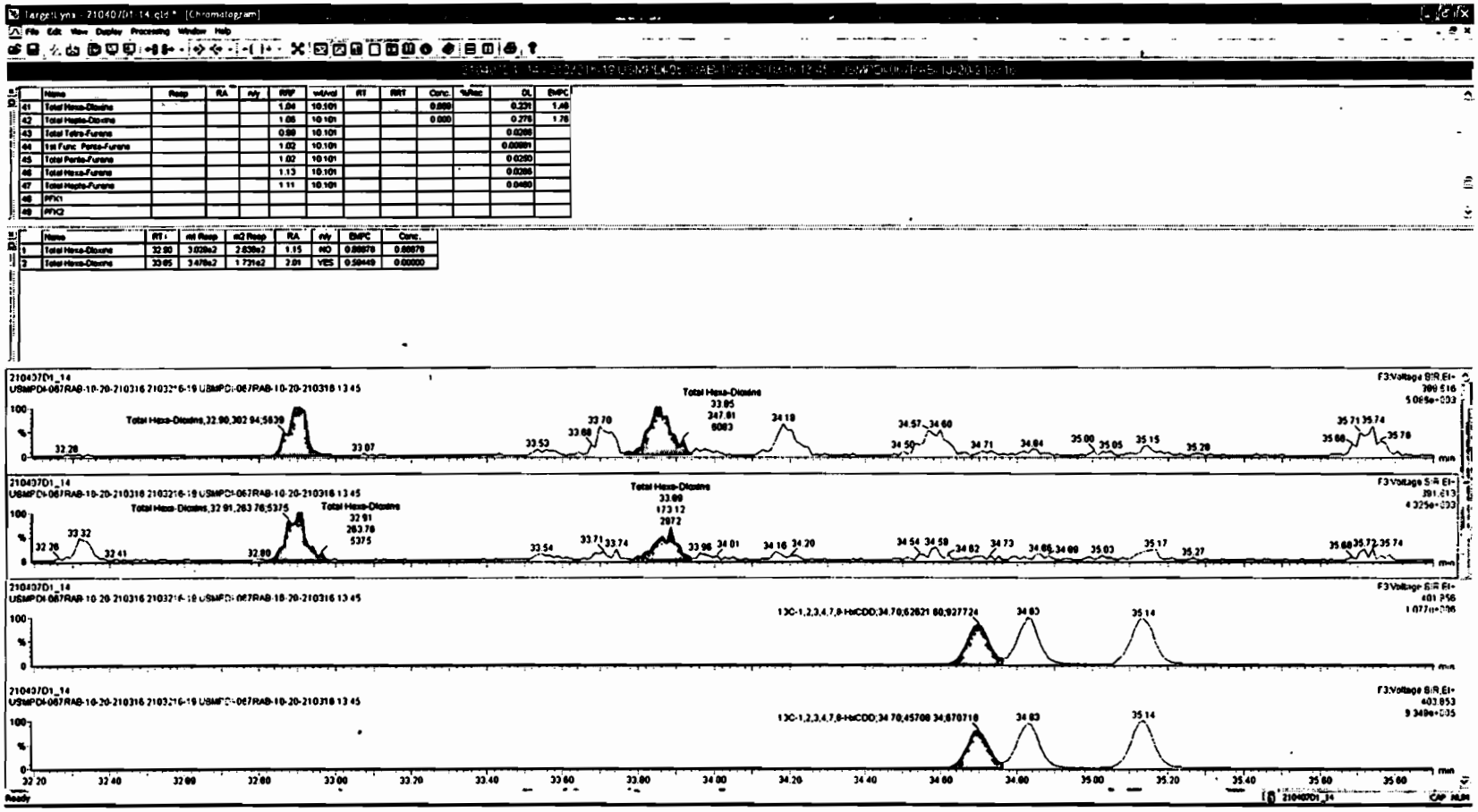
Name: 210407D1_14, Date: 07-Apr-2021, Time: 18:52:06, ID: 2103216-19 USMPDI-067RAB-10-20-210316 13.45, Description: USMPDI-067RAB-10-20-210316

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



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




TargetLynx - 210407D1_14.qld * [Chromatogram]
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33.05
347.91
8083
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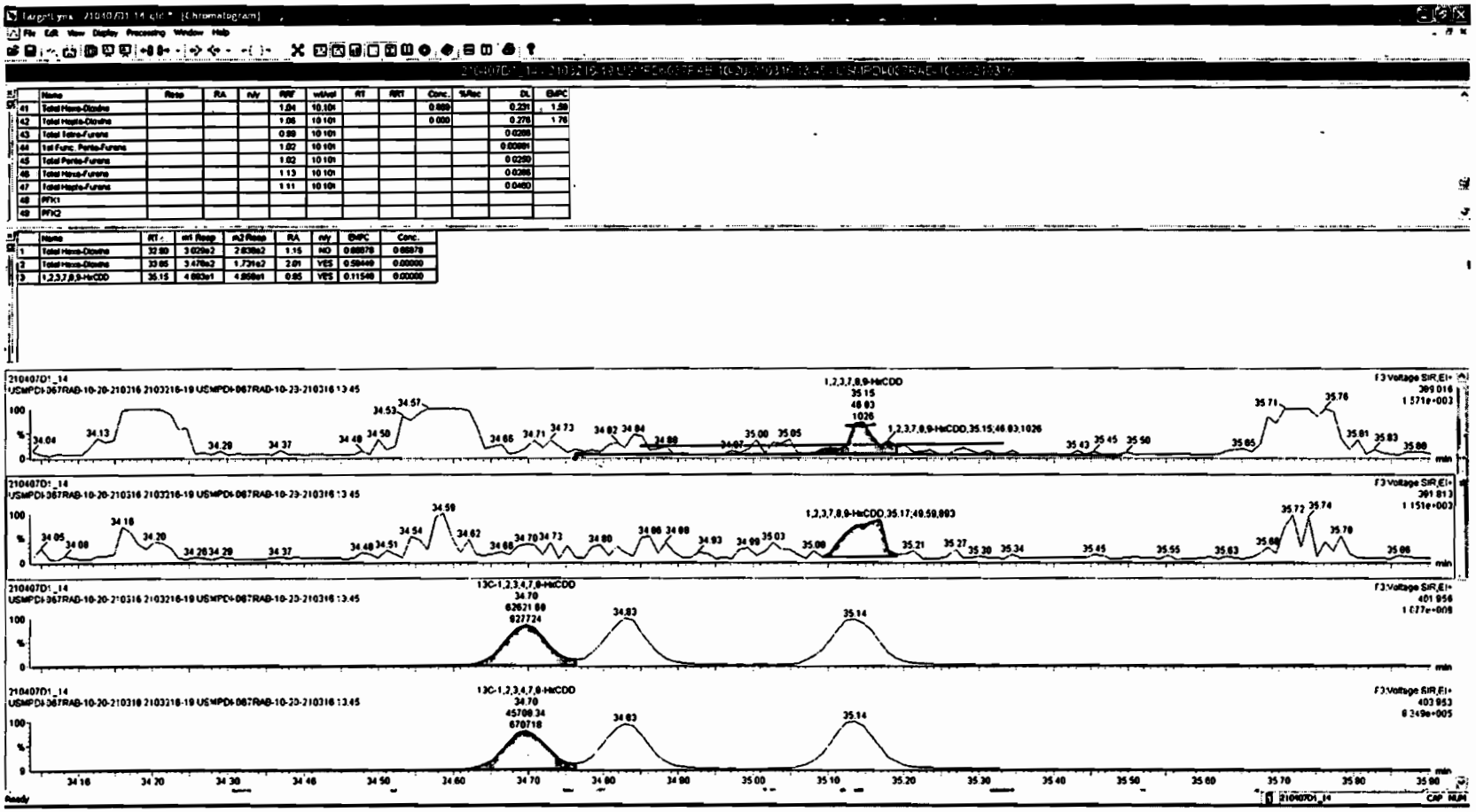


	Name	Resp	RA	m/z	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
41	Total Hexa-Dioxins				1.04	10.101			0.000		0.231	1.88
42	Total Hepta-Dioxins				1.06	10.101			0.000		0.278	1.76
43	Total Tetra-Furans				0.99	10.101					0.0288	
44	1st Func. Penta-Furans				1.02	10.101					0.00991	
45	Total Penta-Furans				1.02	10.101					0.0250	
46	Total Hexa-Furans				1.13	10.101					0.0286	
47	Total Hepta-Furans				1.11	10.101					0.0400	
48	PFK1											
49	PFK2											

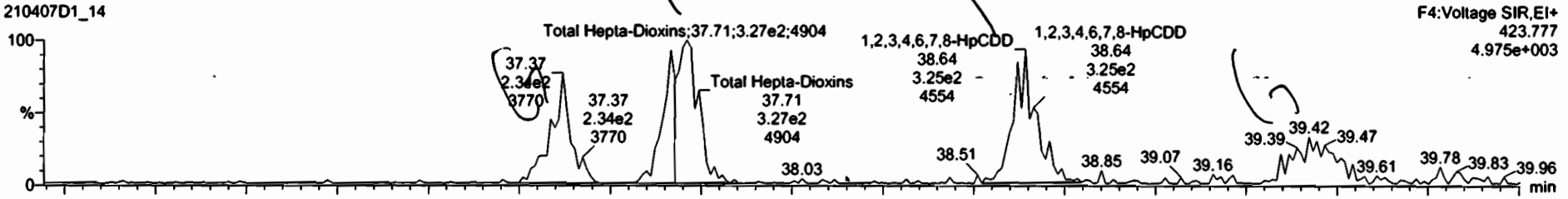
	Name	RT	uri Resp	m2 Resp	RA	m/z	EMPC	Conc.
1	Total Hexa-Dioxins	32.80	3.029e2	2.838e2	1.15	NO	0.88878	0.88878
2	Total Hexa-Dioxins	33.85	3.478e2	1.731e2	2.01	YES	0.58449	0.00000
3	1,2,3,7,8,9-HxCDD	35.15	4.883e1	4.898e1	0.85	YES	0.11548	0.00000

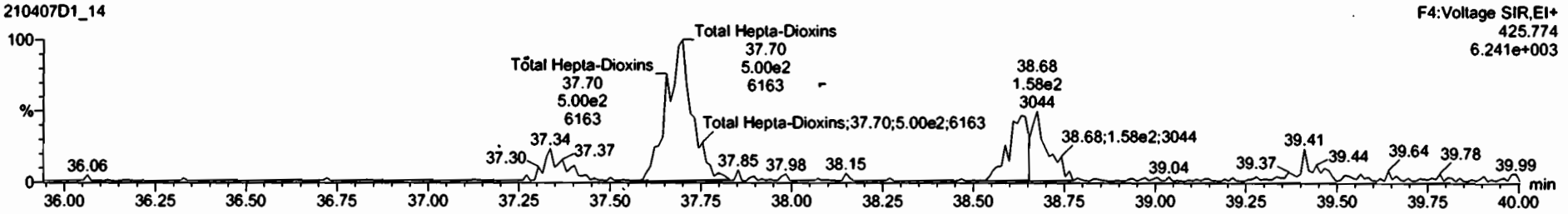
Dataset: Untitled

Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

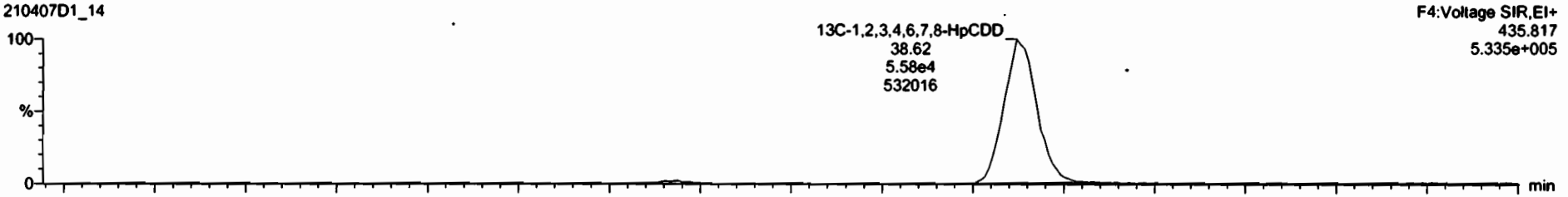
Name: 210407D1_14, Date: 07-Apr-2021, Time: 18:52:06, ID: 2103216-19 USMPDI-067RAB-10-20-210316 13.45, Description: USMPDI-067RAB-10-20-210316

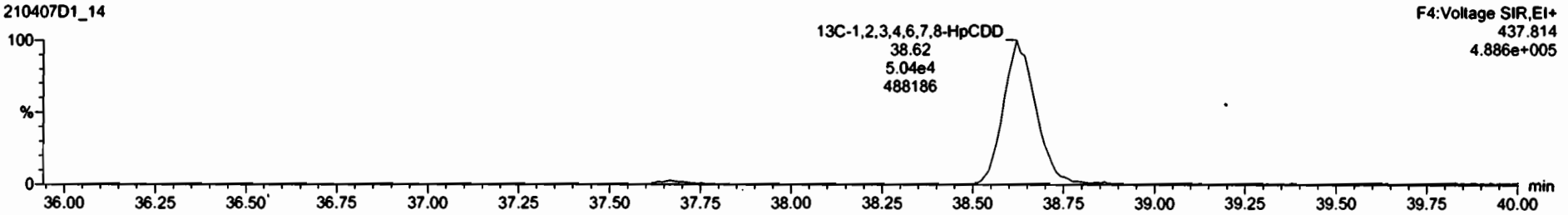
1,2,3,4,6,7,8-HpCDD

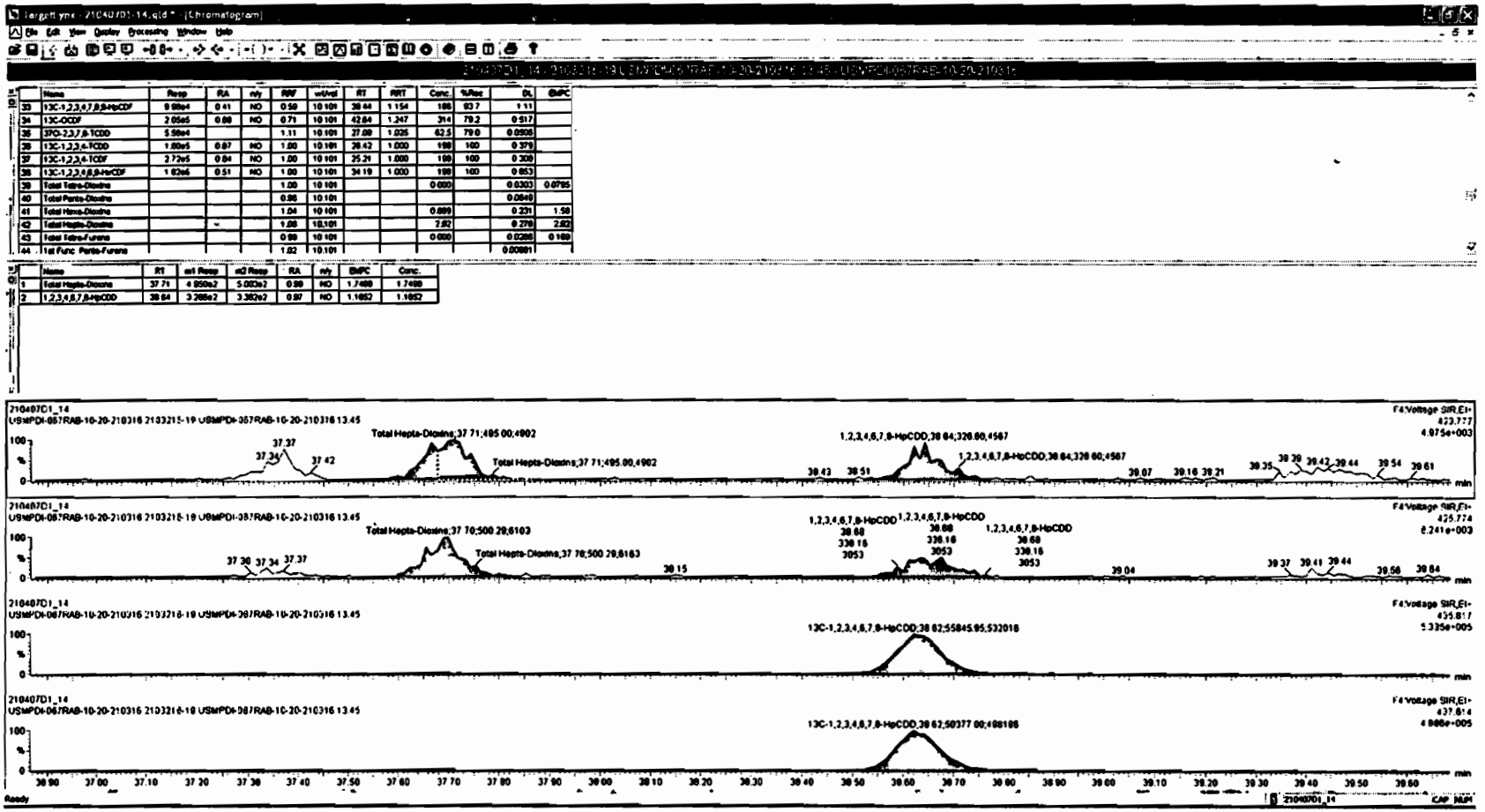




13C-1,2,3,4,6,7,8-HpCDD







	Name	Resp	RA	m/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
33	13C-1,2,3,6,7,8,9-HpCDF	9.98e4	0.41	NO	0.50	10.101	38.44	1.154	186	93.7	1.11	
34	13C-OCDF	2.05e5	0.88	NO	0.71	10.101	42.84	1.247	314	78.2	0.517	
35	37Cl-2,3,7,8-TCDD	5.58e4			1.11	10.101	27.08	1.025	62.5	79.6	0.0505	
36	13C-1,2,3,4-TCDD	1.80e5	0.87	NO	1.00	10.101	26.42	1.000	199	100	0.379	
37	13C-1,2,3,4-TCDF	2.72e5	0.84	NO	1.00	10.101	25.21	1.000	199	100	0.308	
38	13C-1,2,3,4,6,8,9-HxCDF	1.82e5	0.51	NO	1.00	10.101	34.19	1.000	199	100	0.853	
39	Total Tetra-Dioxins				1.00	10.101			0.000		0.0303	0.0795
40	Total Penta-Dioxins				0.96	10.101					0.0649	
41	Total Hexa-Dioxins				1.04	10.101			0.899		0.231	1.58
42	Total Hepta-Dioxins				1.08	10.101			2.82		0.279	2.82
43	Total Tetra-Furans				0.99	10.101			0.000		0.0266	0.169
44	1st Func Penta-Furans				1.02	10.101					0.00891	

	Name	RT	ion1 Resp	ion2 Resp	RA	m/y	EMPC	Conc.
1	Total Hepta-Dioxins	37.71	4.950e2	5.083e2	0.98	NO	1.7488	1.7488
2	1,2,3,4,6,7,8-HpCDD	38.64	3.268e2	3.362e2	0.97	NO	1.1652	1.1652

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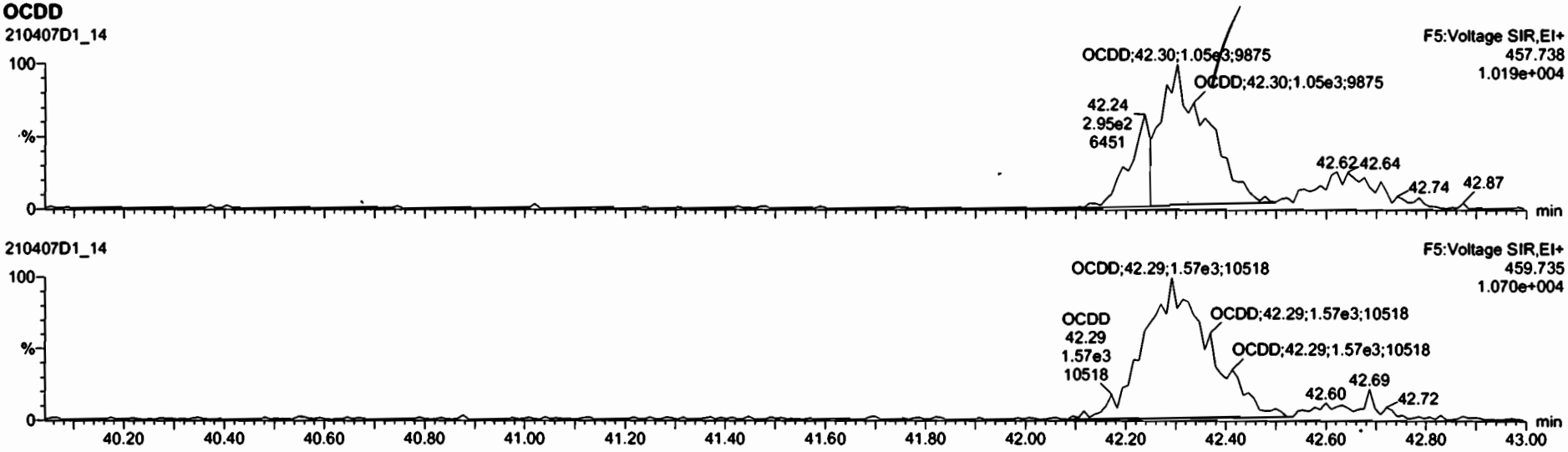
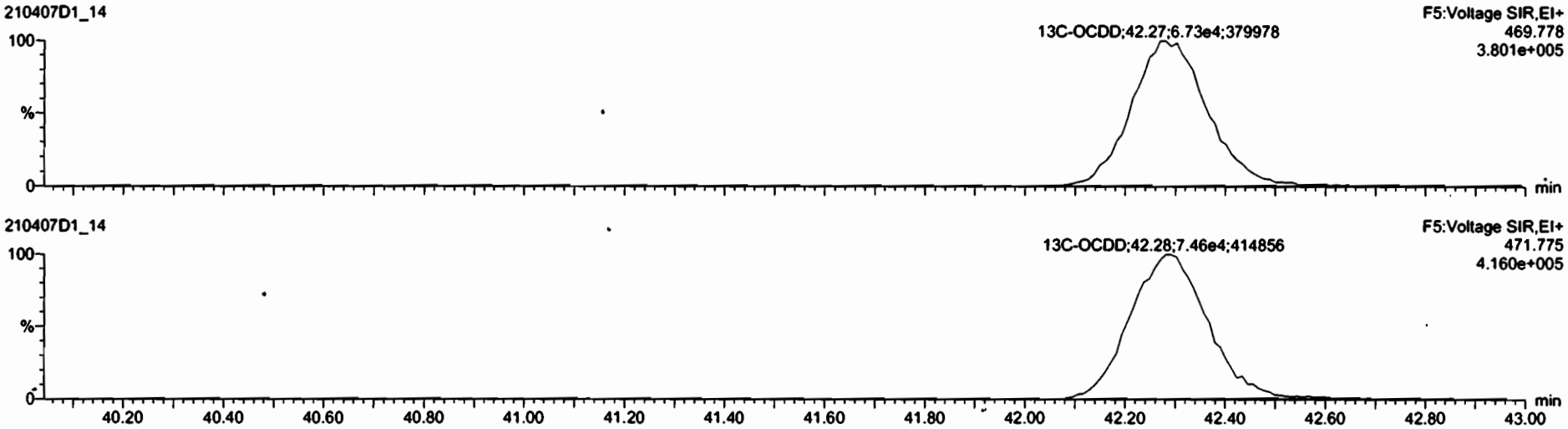
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_14, Date: 07-Apr-2021, Time: 18:52:06, ID: 2103216-19 USMPDI-067RAB-10-20-210316 13.45, Description: USMPDI-067RAB-10-20-210316

OCDD



13C-OCDD



Target.ynx - 210407D1_14.qld * - [Chromatogram]

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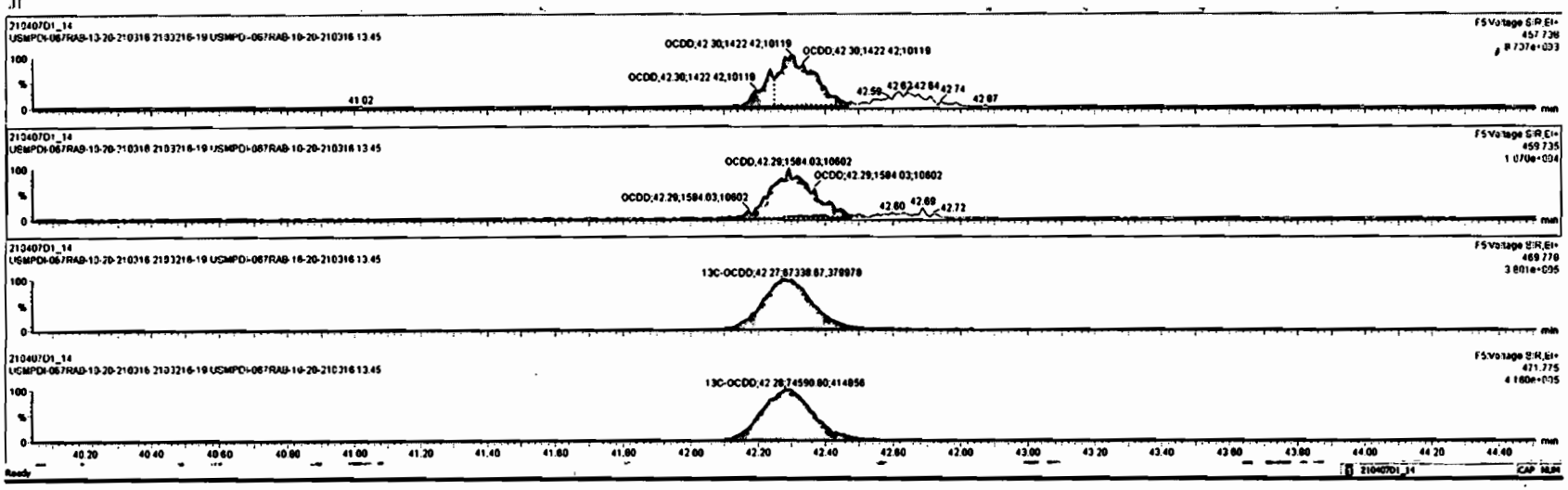
210407D1_14 - 2103216-19 USMPDI-067RAB-10-20-210316 13:45 - USMPDI-067RAB-10-20-210316

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD			NO	1.00	10.101					0.0570	
2	1,2,3,7,8-PeCDD			NO	0.95	10.101					0.157	
3	1,2,3,4,7,8-HxCDD			NO	1.18	10.101					0.226	
4	1,2,3,6,7,8-HxCDD			NO	1.04	10.101					0.217	
5	1,2,3,7,8,9-HxCDD			NO	1.08	10.101					0.219	
6	1,2,3,4,6,7,8-HpCDD	5.01e2	1.85	YES	1.08	10.101	38.84	1.001	0.881		0.436	0.831
7	OCDD	3.01e3	0.90	NO	0.99	10.101	42.30	1.001	0.99		1.16	0.99
8	2,3,7,8-TCDF			NO	0.99	10.101					0.0548	
9	1,2,3,7,8-PeCDF			NO	1.02	10.101					0.0495	

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

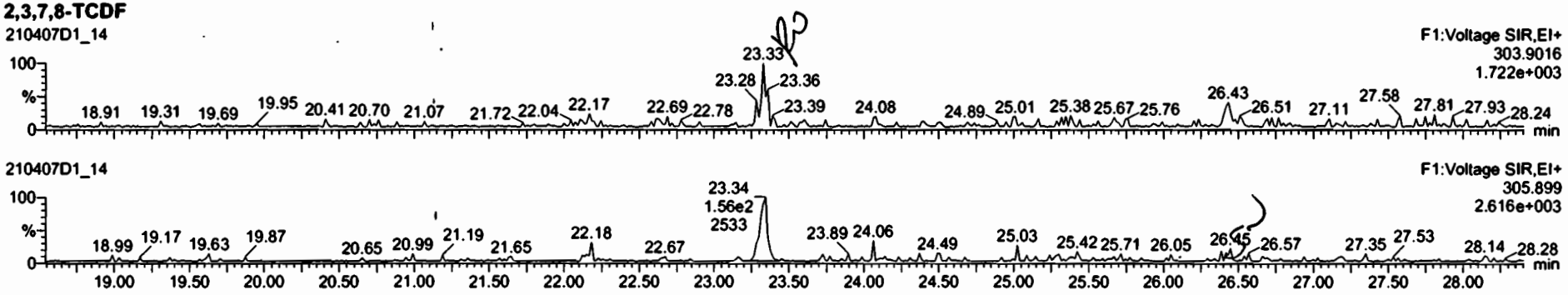


Dataset: Untitled

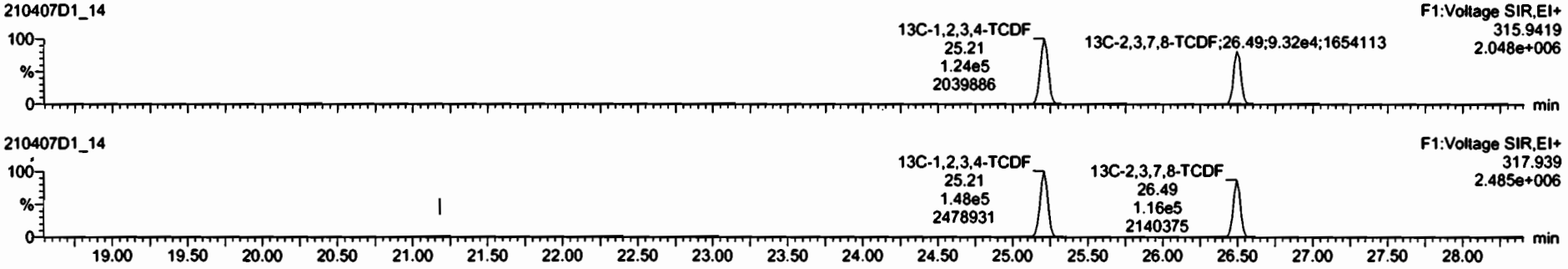
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_14, Date: 07-Apr-2021, Time: 18:52:06, ID: 2103216-19 USMPDI-067RAB-10-20-210316 13.45, Description: USMPDI-067RAB-10-20-210316

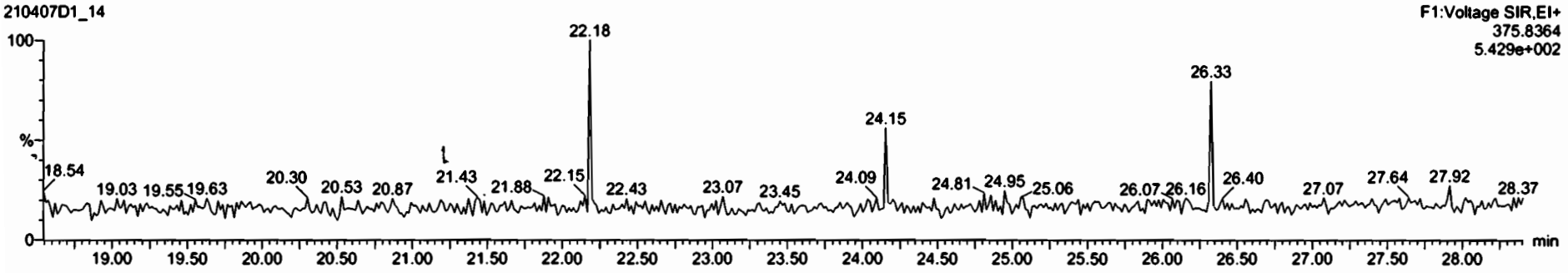
2,3,7,8-TCDF



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



DPE1

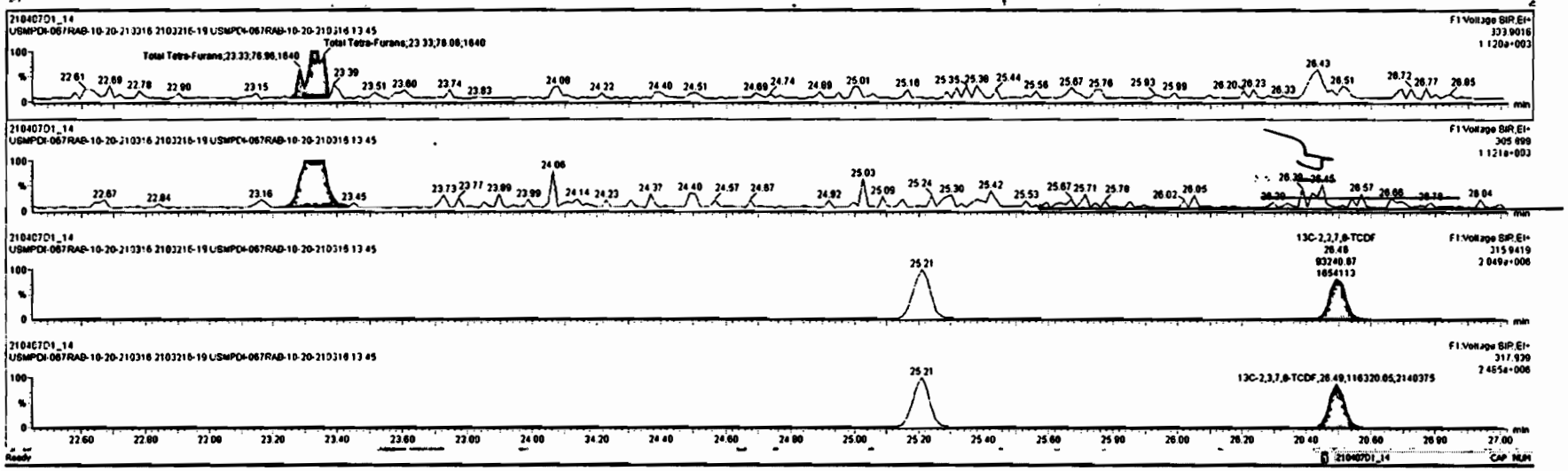


Target1.ynx 210407D1-14.qld * - [Chromatogram]

File Edit View Display Processing Window Help

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
41	Total Hexa-Dioxins				1.04	10.101			0.889		0.231	1.58
42	Total Hepta-Dioxins				1.06	10.101			2.92		0.436	2.92
43	Total Tetra-Furans				0.99	10.101			0.000		0.0288	0.189
44	1st Func. Penta-Furans				1.02	10.101					0.00981	
45	Total Penta-Furans				1.02	10.101					0.0250	
46	Total Hexa-Furans				1.13	10.101					0.0266	
47	Total Hepta-Furans				1.11	10.101					0.0480	
48	PFK1											
49	PFK2											

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Tetra-Furans	23.33	7.696e1	1.564e2	0.49	YES	0.16693	0.00000

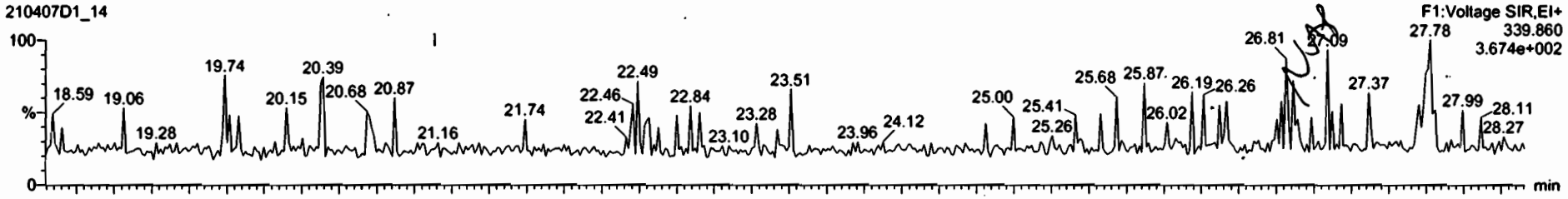


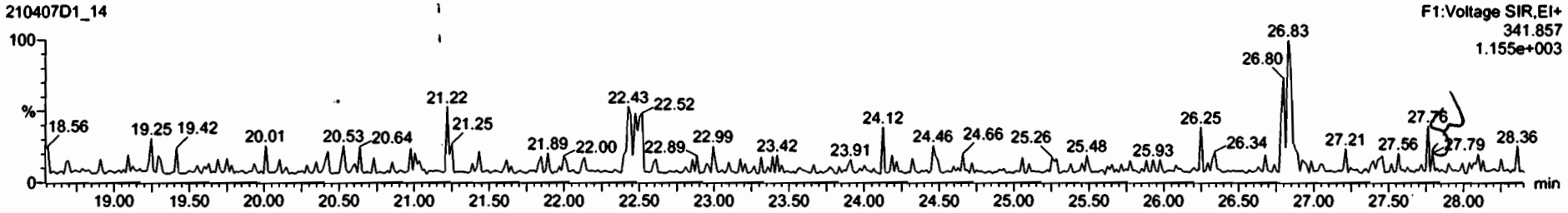
Dataset: Untitled

Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

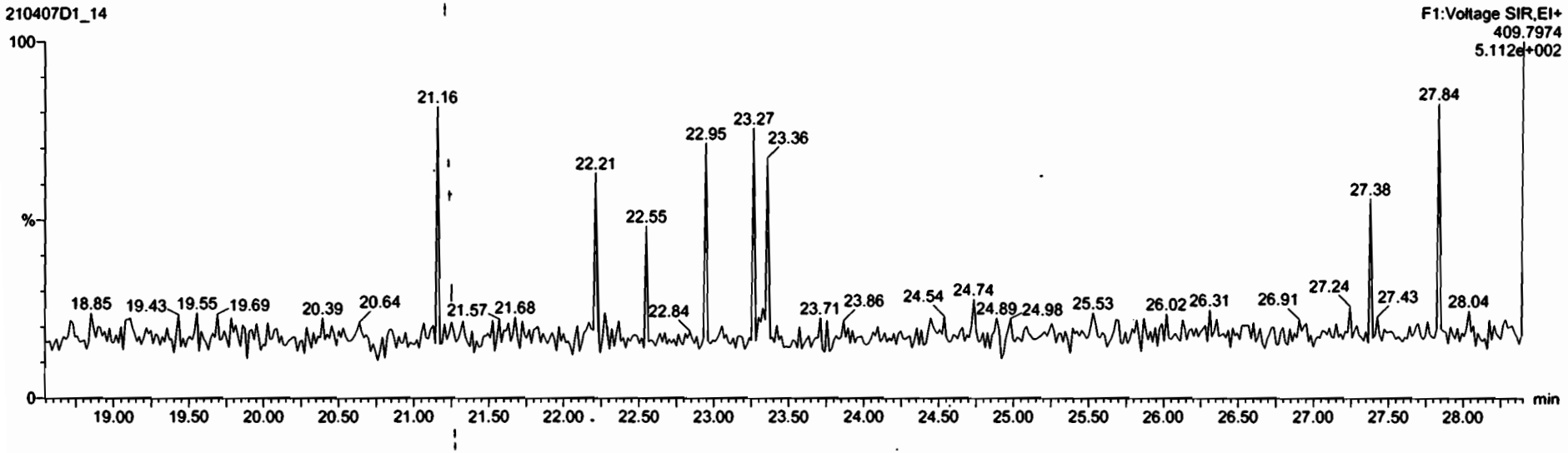
Name: 210407D1_14, Date: 07-Apr-2021, Time: 18:52:06, ID: 2103216-19 USMPDI-067RAB-10-20-210316 13.45, Description: USMPDI-067RAB-10-20-210316

1st Func. Penta-Furans





DPE6

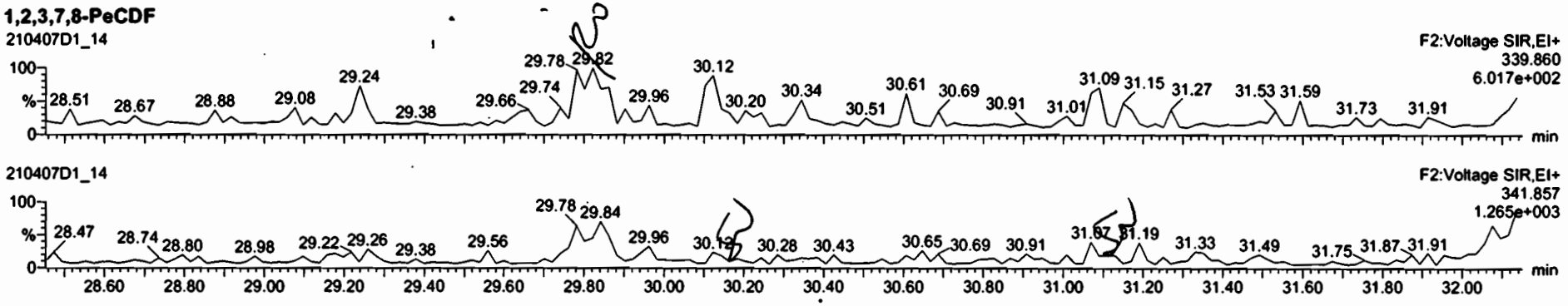


Dataset: Untitled

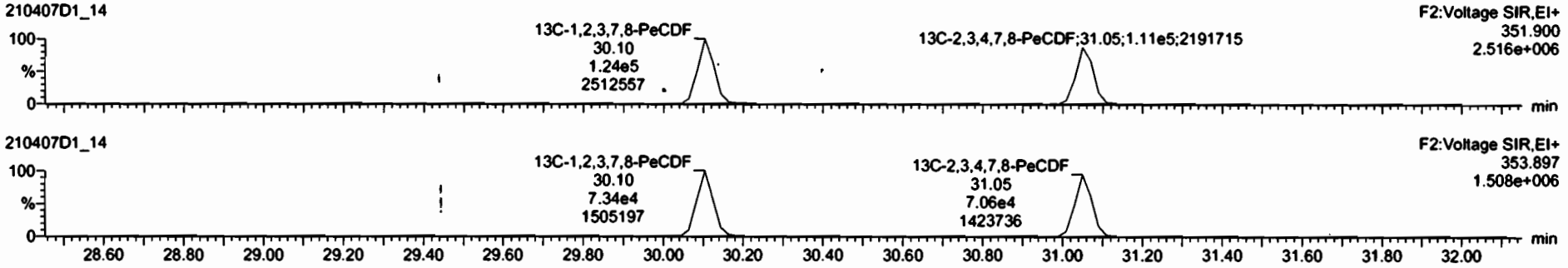
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_14, Date: 07-Apr-2021, Time: 18:52:06, ID: 2103216-19 USMPDI-067RAB-10-20-210316 13.45, Description: USMPDI-067RAB-10-20-210316

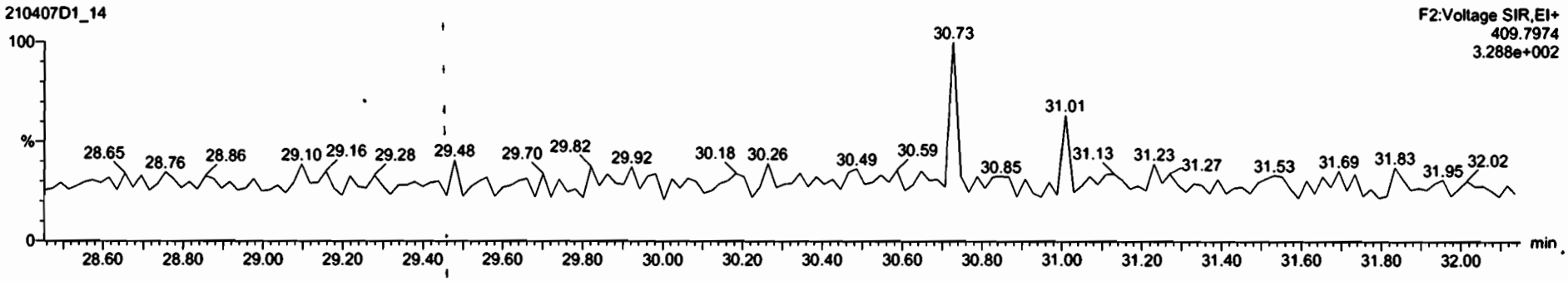
1,2,3,7,8-PeCDF

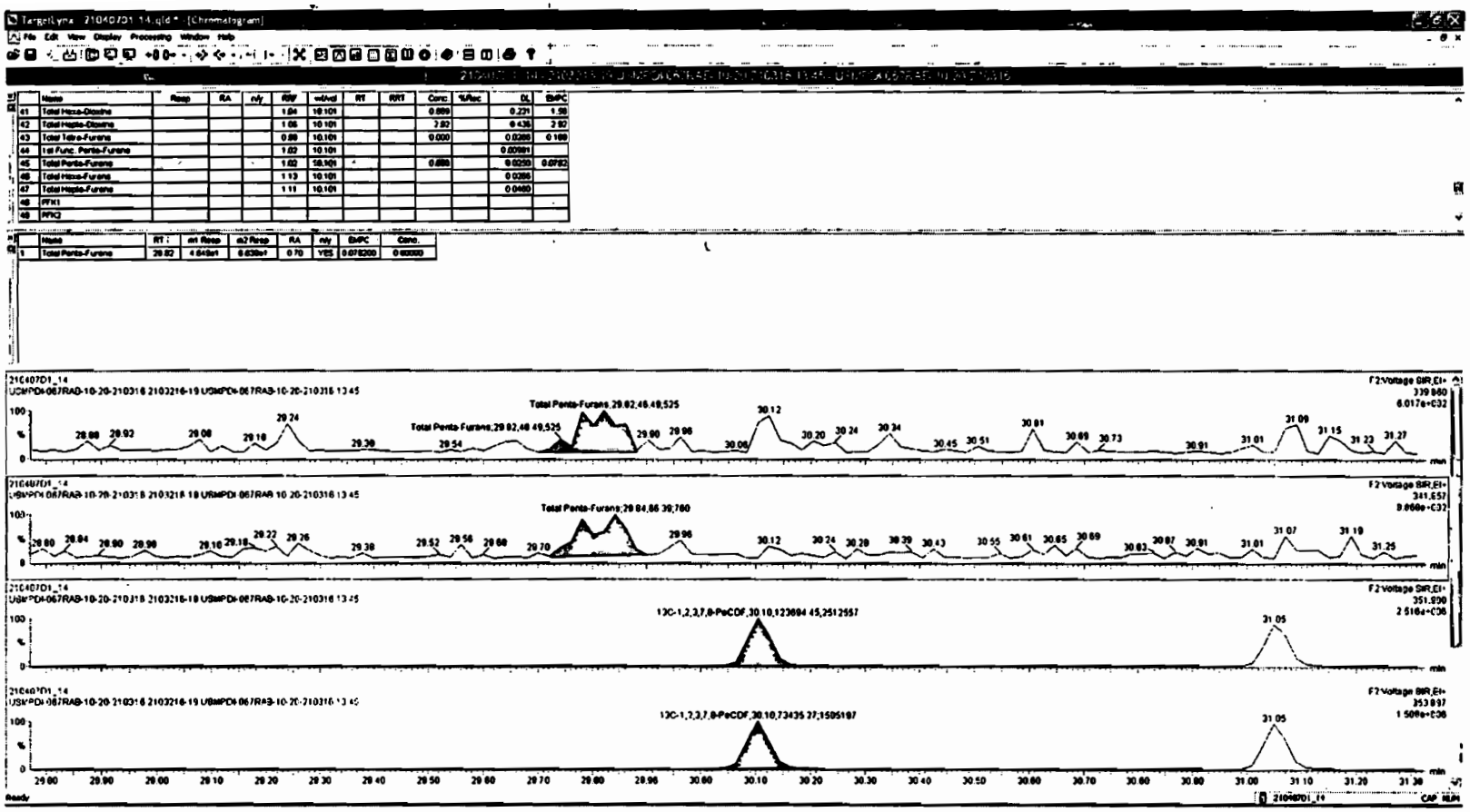


13C-1,2,3,7,8-PeCDF



DPE2



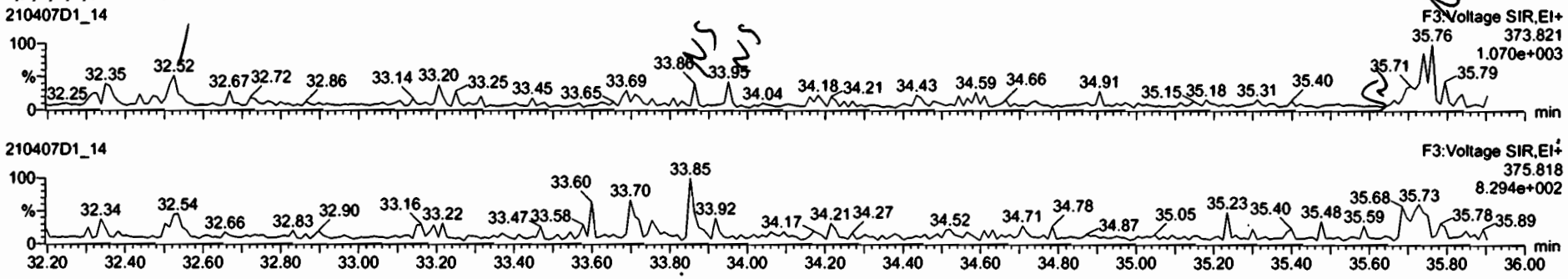

Total Penta-Furans,29.82,46.49,525
Total Penta-Furans,29.84,86.39,760
13C-1,2,3,7,8-PeCDF,30.10,123694.45,2512557
13C-1,2,3,7,8-PeCDF,30.10,73435.27,1505197

Dataset: Untitled

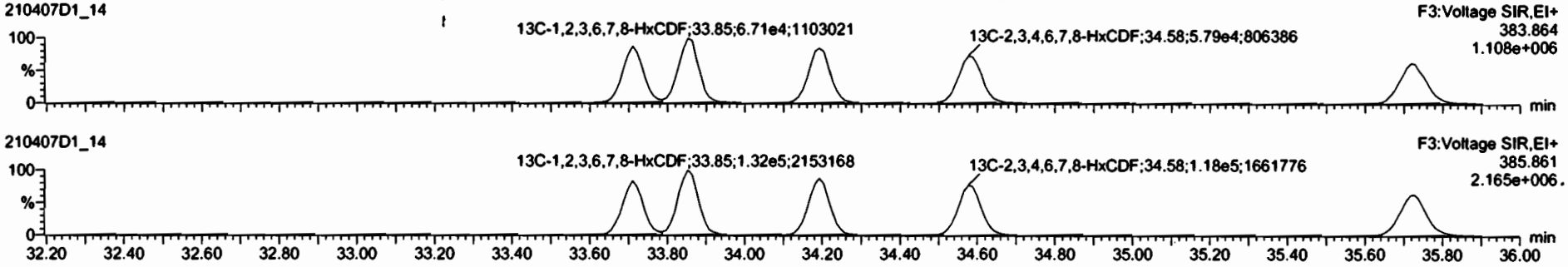
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_14, Date: 07-Apr-2021, Time: 18:52:06, ID: 2103216-19 USMPDI-067RAB-10-20-210316 13.45, Description: USMPDI-067RAB-10-20-210316

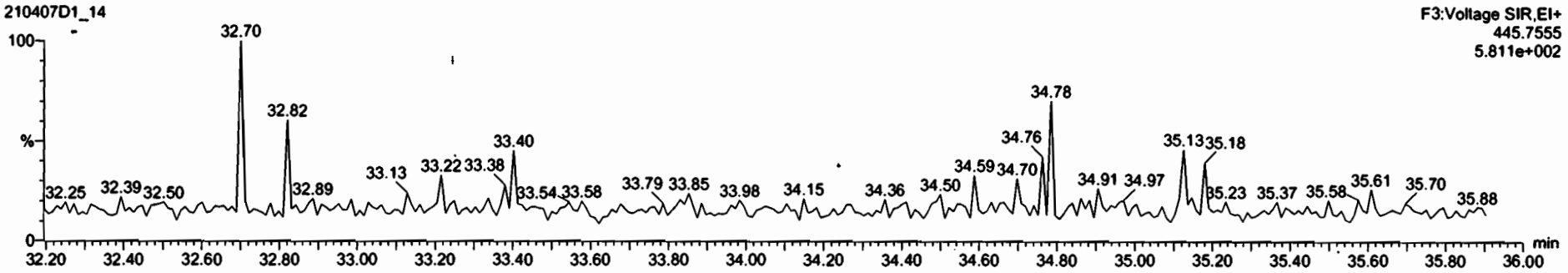
1,2,3,4,7,8-HxCDF



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



DPE3



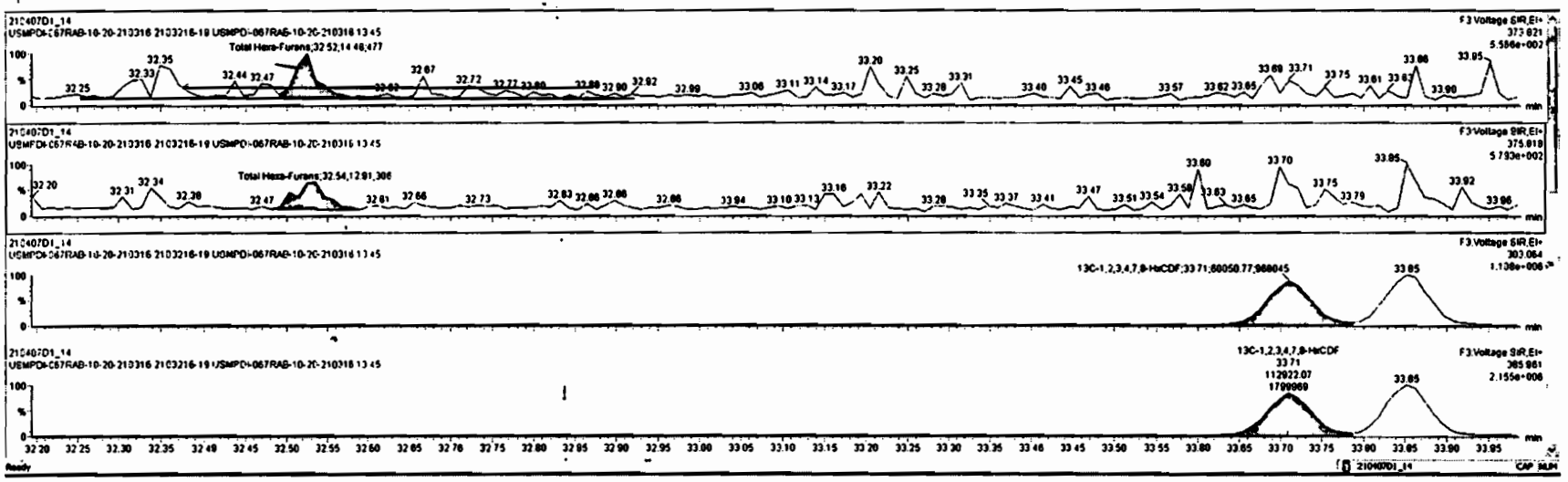
Targetlynx - 21040701-14.qld * - [Chromatogram]

File Edit View Display Processing Window Help

21040701_14 - 2103216-19 USMPD-067RAB-10-20-210316 13:45 - USMPD-067RAB-10-20-210316

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
41	Total Hexa-Dioxine				1.04	10.101			0.669		0.231	1.58
42	Total Hepta-Dioxine				1.06	10.101			1.75		0.436	1.75
43	Total Tetra-Furans				0.99	10.101			0.000		0.0266	0.169
44	1st Func. Penta-Furans				1.02	10.101					0.00881	
45	Total Penta-Furans				1.02	10.101			0.000		0.0250	0.0782
46	Total Hexa-Furans				1.13	10.101			0.0269		0.0266	0.0269
47	Total Hepta-Furans				1.11	10.101					0.0460	
48	PFK1											
49	PFK2											

	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Hexa-Furans	32.52	1.448e1	1.291e1	1.12	ND	0.026919	0.026919

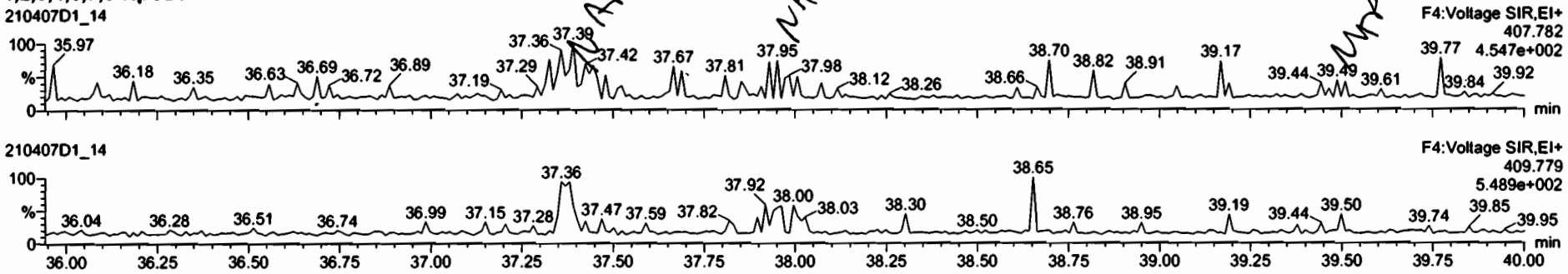


Dataset: Untitled

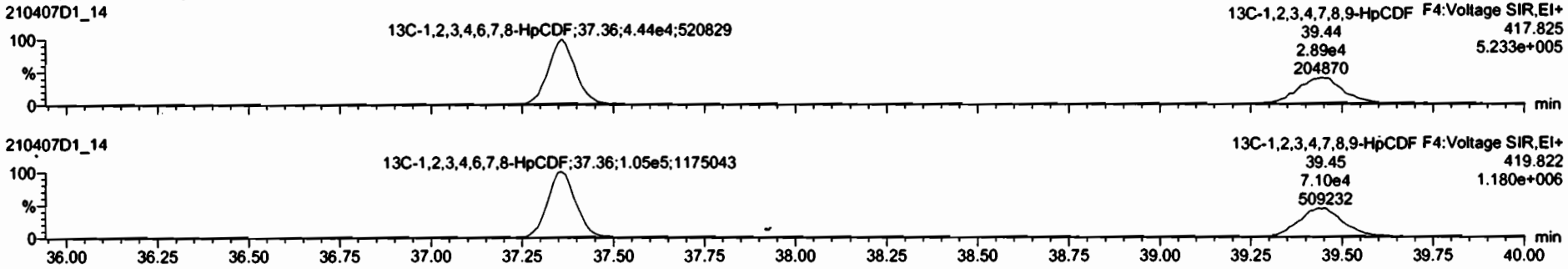
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_14, Date: 07-Apr-2021, Time: 18:52:06, ID: 2103216-19 USMPDI-067RAB-10-20-210316 13.45, Description: USMPDI-067RAB-10-20-210316

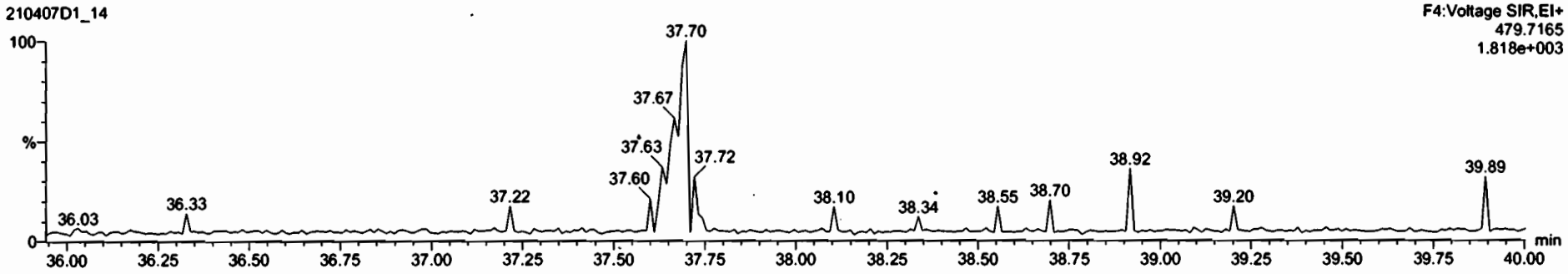
1,2,3,4,6,7,8-HpCDF



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



DPE4

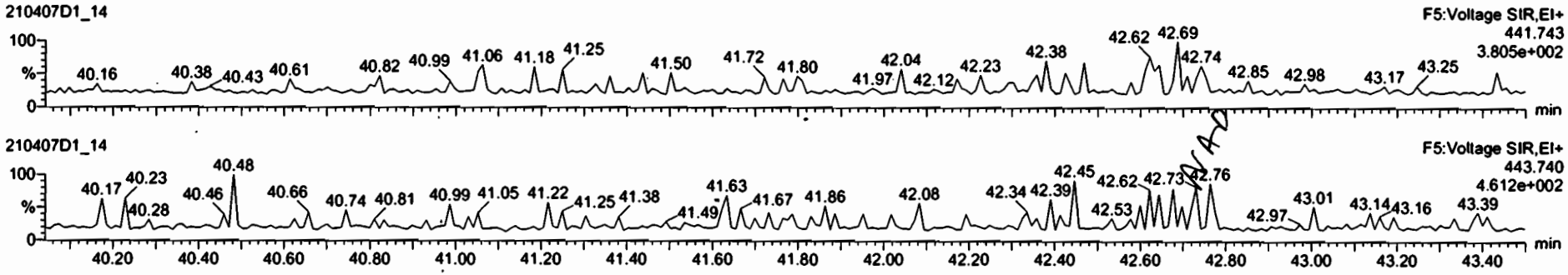


Dataset: Untitled

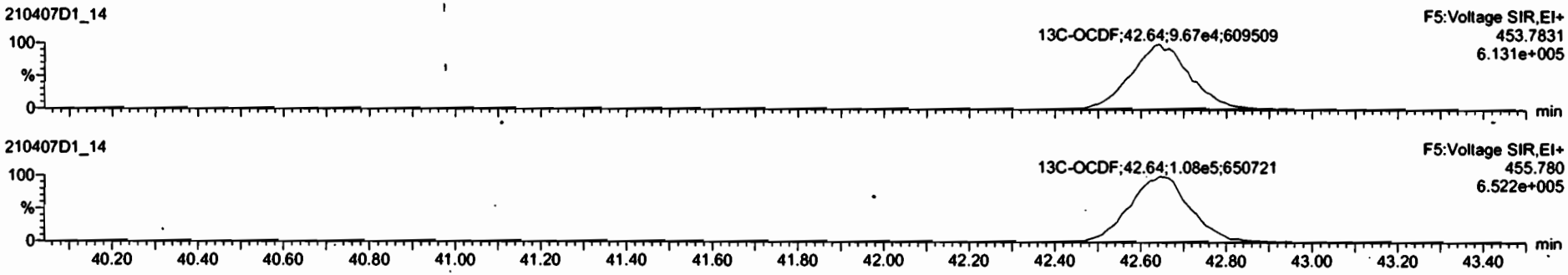
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_14, Date: 07-Apr-2021, Time: 18:52:06, ID: 2103216-19 USMPDI-067RAB-10-20-210316 13.45, Description: USMPDI-067RAB-10-20-210316

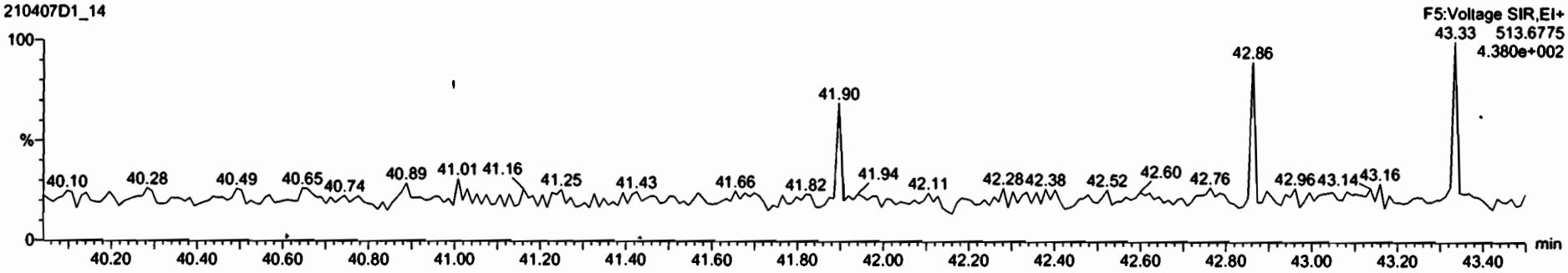
OCDF



13C-OCDF



DPE5

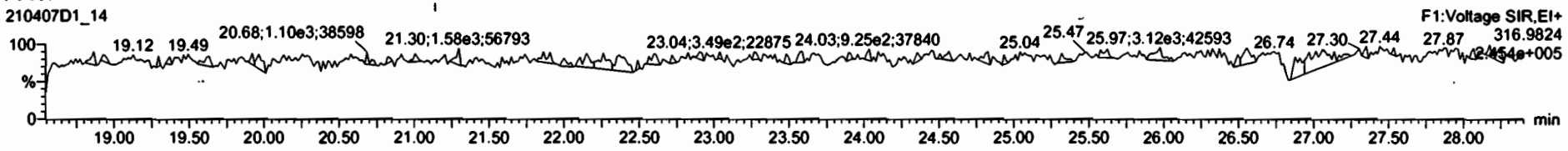


Dataset: Untitled

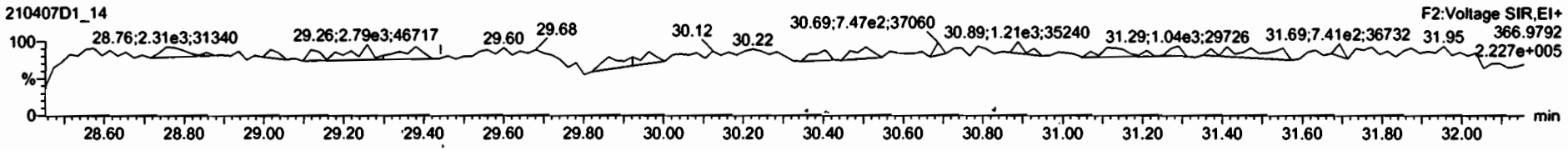
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_14, Date: 07-Apr-2021, Time: 18:52:06, ID: 2103216-19 USMPDI-067RAB-10-20-210316 13.45, Description: USMPDI-067RAB-10-20-210316

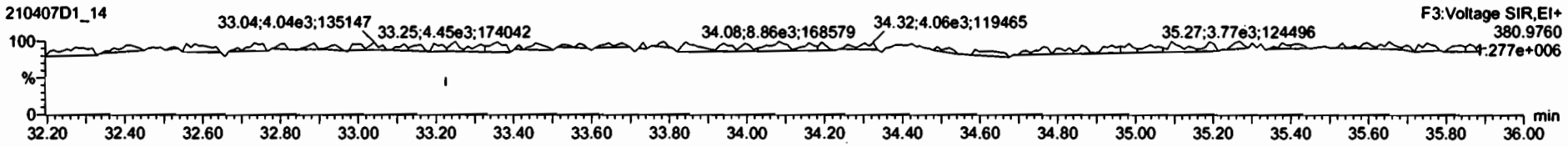
PFK1



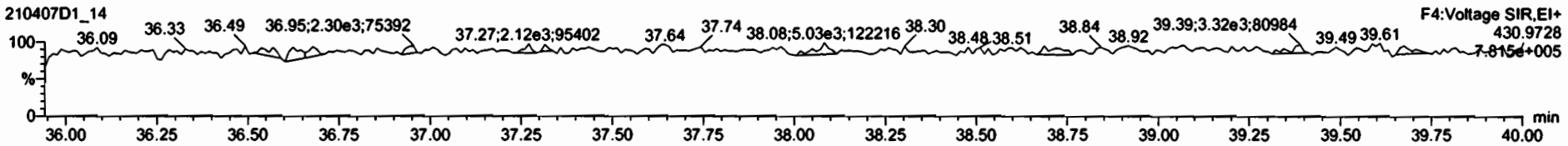
PFK2



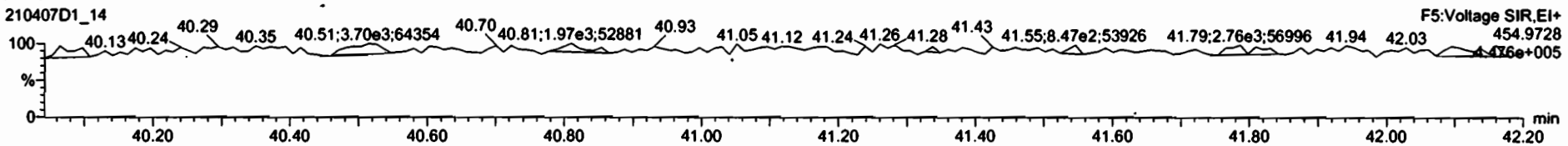
PFK3



PFK4



PFK5



Dataset: U:\VG7.PRO\Results\210407D1\210407D1-15.qld

Last Altered: Saturday, April 17, 2021 12:17:54 Pacific Daylight Time
Printed: Saturday, April 17, 2021 12:18:58 Pacific Daylight Time

HL 4.17.2021 CT 04/21/2021

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_4-6-21.mdb 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210407D1_15, Date: 07-Apr-2021, Time: 19:38:44, ID: 2103216-20 USMPDI-067RAB-20-21.9-210316 15.94, Description: USMPDI-067RAB-20-21.9-210316, Task: ST210407D1-1

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD			NO	0.998	10.082					0.0380	
2	1,2,3,7,8-PeCDD			NO	0.961	10.082					0.119	
3	1,2,3,4,7,8-HxCDD			NO	1.18	10.082					0.284	
4	1,2,3,6,7,8-HxCDD			NO	1.04	10.082					0.339	
5	1,2,3,7,8,9-HxCDD	1.72e2	1.17	NO	1.06	10.082	35.17	1.000	0.21714		0.267	0.217
6	1,2,3,4,6,7,8-HpCDD	9.12e2	1.07	NO	1.06	10.082	38.84	1.000	1.5529		0.664	1.55
7	OCDD	4.98e3	0.88	NO	0.977	10.082	42.40	1.000	13.690		1.08	13.7
8	2,3,7,8-TCDF			NO	0.989	10.082					0.0306	
9	1,2,3,7,8-PeCDF			NO	1.02	10.082					0.0584	
10	2,3,4,7,8-PeCDF			NO	1.17	10.082					0.0500	
11	1,2,3,4,7,8-HxCDF			NO	1.14	10.082					0.0481	
12	1,2,3,6,7,8-HxCDF			NO	1.04	10.082					0.0464	
13	2,3,4,6,7,8-HxCDF			NO	1.13	10.082					0.0517	
14	1,2,3,7,8,9-HxCDF			NO	1.07	10.082					0.0712	
15	1,2,3,4,6,7,8-HpCDF			NO	1.11	10.082					0.0886	
16	1,2,3,4,7,8,9-HpCDF			NO	1.32	10.082					0.142	
17	OCDF			NO	0.931	10.082					0.161	
18	13C-2,3,7,8-TCDD	2.48e5	0.77	NO	1.20	10.082	27.06	1.024	240.17	121	0.244	
19	13C-1,2,3,7,8-PeCDD	1.67e5	0.61	NO	0.864	10.082	31.21	1.181	225.43	114	0.399	
20	13C-1,2,3,4,7,8-HxCDD	1.29e5	1.40	NO	0.600	10.082	34.71	1.015	230.38	116	0.925	
21	13C-1,2,3,6,7,8-HxCDD	1.39e5	1.26	NO	0.674	10.082	34.86	1.019	221.83	112	0.823	
22	13C-1,2,3,7,8,9-HxCDD	1.48e5	1.30	NO	0.679	10.082	35.18	1.029	234.63	118	0.818	
23	13C-1,2,3,4,6,7,8-HpCDD	1.10e5	1.09	NO	0.558	10.082	38.83	1.135	211.28	107	1.20	
24	13C-OCDD	1.48e5	0.88	NO	0.496	10.082	42.40	1.240	319.52	80.5	0.708	
25	13C-2,3,7,8-TCDF	3.42e5	0.79	NO	1.03	10.082	26.49	1.003	234.61	118	0.272	
26	13C-1,2,3,7,8-PeCDF	2.60e5	1.62	NO	0.805	10.082	30.08	1.139	226.83	114	0.494	
27	13C-2,3,4,7,8-PeCDF	2.49e5	1.61	NO	0.748	10.082	31.05	1.175	234.50	118	0.532	
28	13C-1,2,3,4,7,8-HxCDF	2.10e5	0.52	NO	0.968	10.082	33.69	0.985	232.40	117	0.799	
29	13C-1,2,3,6,7,8-HxCDF	2.33e5	0.51	NO	1.08	10.082	33.83	0.989	230.07	116	0.713	
30	13C-2,3,4,6,7,8-HxCDF	2.01e5	0.50	NO	0.960	10.082	34.59	1.011	224.88	113	0.806	

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-15.qld

Last Altered: Saturday, April 17, 2021 12:17:54 Pacific Daylight Time
Printed: Saturday, April 17, 2021 12:18:58 Pacific Daylight Time

Name: 210407D1_15, Date: 07-Apr-2021, Time: 19:38:44, ID: 2103216-20 USMPDI-067RAB-20-21.9-210316 15.94, Description: USMPDI-067RAB-20-21.9-210316, Task: ST210407D1-1

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	1.92e5	0.52	NO	0.869	10.082	35.72	1.044	236.47	119	0.890	
32	13C-1,2,3,4,6,7,8-HpCDF	1.60e5	0.42	NO	0.794	10.082	37.39	1.093	215.78	109	0.872	
33	13C-1,2,3,4,7,8,9-HpCDF	1.14e5	0.42	NO	0.586	10.082	39.46	1.154	207.80	105	1.18	
34	13C-OCDF	2.18e5	0.91	NO	0.711	10.082	42.73	1.249	329.31	83.0	0.615	
35	37Cl-2,3,7,8-TCDD	9.24e4			1.11	10.082	27.08	1.025	97.146	122	0.0755	
36	13C-1,2,3,4-TCDD	1.70e5	0.81	NO	1.00	10.082	26.42	1.000	198.37	100	0.293	
37	13C-1,2,3,4-TCDF	2.82e5	0.80	NO	1.00	10.082	25.21	1.000	198.37	100	0.279	
38	13C-1,2,3,4,6,9-HxCDF	1.85e5	0.49	NO	1.00	10.082	34.20	1.000	198.37	100	0.774	
39	Total Tetra-Dioxins				0.998	10.082					0.0226	
40	Total Penta-Dioxins				0.961	10.082			0.00000		0.0507	0.175
41	Total Hexa-Dioxins				1.04	10.082			1.2636		0.310	2.02
42	Total Hepta-Dioxins				1.06	10.082			4.1268		0.664	4.13
43	Total Tetra-Furans				0.989	10.082			0.00000		0.0154	0.149
44	1st Func. Penta-Furans				1.02	10.082					0.00639	
45	Total Penta-Furans				1.02	10.082					0.0319	
46	Total Hexa-Furans				1.13	10.082					0.0196	
47	Total Hepta-Furans				1.11	10.082					0.0598	

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-15.qld

Last Altered: Saturday, April 17, 2021 12:17:54 Pacific Daylight Time
Printed: Saturday, April 17, 2021 12:18:58 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_4-6-21.mdb 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210407D1_15, Date: 07-Apr-2021, Time: 19:38:44, ID: 2103216-20 USMPDI-067RAB-20-21.9-210316 15.94, Description: USMPDI-067RAB-20-21.9-210316, Task: ST210407D1-1

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	29.76	8.850e2	3.519e3	5.476e1	3.014e2	0.18	YES	0.000e0	0.00000	0.17477	0.0507

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hexa-Dioxins	32.91	7.261e3	5.768e3	4.245e2	3.378e2	1.26	NO	7.623e2	1.0465	1.0465	0.310
2	Total Hexa-Dioxins	33.83	6.316e3	3.383e3	4.108e2	2.458e2	1.67	YES	0.000e0	0.00000	0.75593	0.310
3	1,2,3,7,8,9-HxCDD	35.17	1.418e3	1.316e3	9.299e1	7.918e1	1.17	NO	1.722e2	0.21714	0.21714	0.267

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hepta-Dioxins	37.76	6.316e3	6.040e3	7.801e2	7.321e2	1.07	NO	1.512e3	2.5740	2.5740	0.664
2	1,2,3,4,6,7,8-HpCDD	38.84	4.632e3	3.435e3	4.709e2	4.414e2	1.07	NO	9.123e2	1.5529	1.5529	0.664

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Tetra-Furans	23.33	2.781e3	1.995e3	1.347e2	1.439e2	0.94	YES	0.000e0	0.00000	0.14919	0.0306

Penta-Furans function 1

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

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-15.qld

Last Altered: Saturday, April 17, 2021 12:17:54 Pacific Daylight Time
Printed: Saturday, April 17, 2021 12:18:58 Pacific Daylight Time

Name: 210407D1_15, Date: 07-Apr-2021, Time: 19:38:44, ID: 2103216-20 USMPDI-067RAB-20-21.9-210316 15.94, Description: USMPDI-067RAB-20-21.9-210316, Task: ST210407D1-1

Penta-Furans

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

Hexa-Furans

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

Hepta-Furans

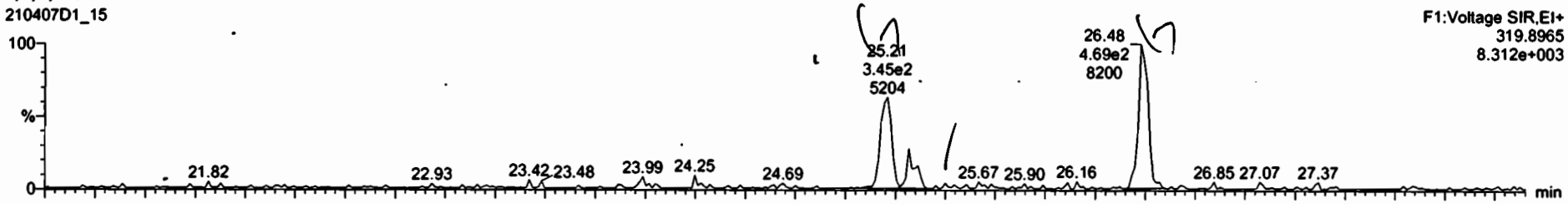
	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

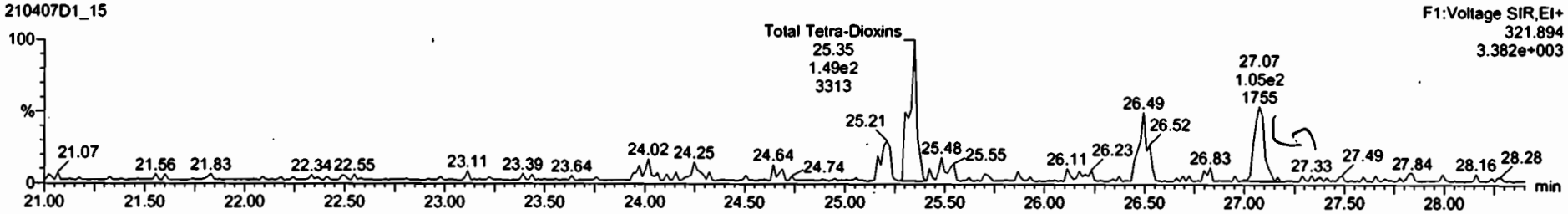
Dataset: Untitled

Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

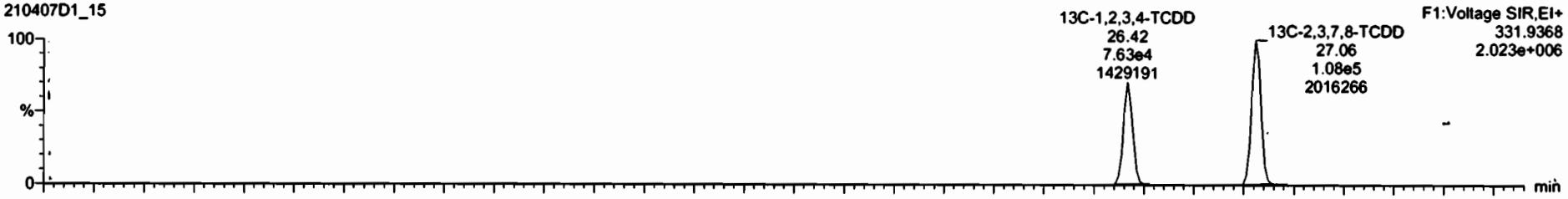
Name: 210407D1_15, Date: 07-Apr-2021, Time: 19:38:44, ID: 2103216-20 USMPDI-067RAB-20-21.9-210316 15.94, Description: USMPDI-067RAB-20-21.9-210316

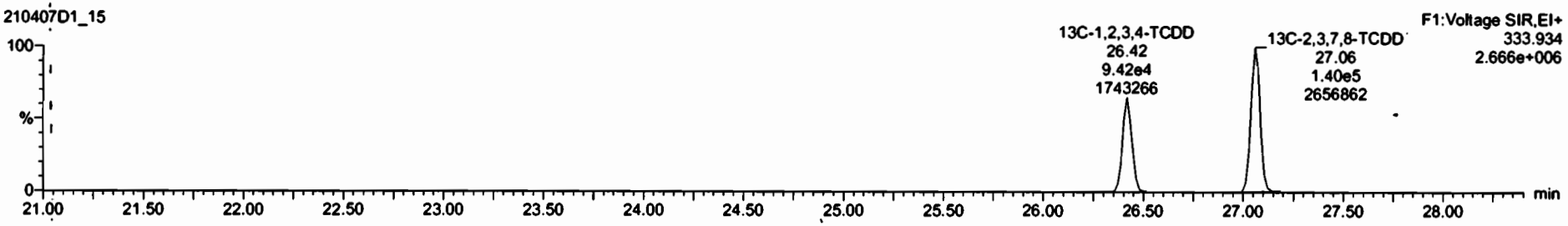
2,3,7,8-TCDD





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





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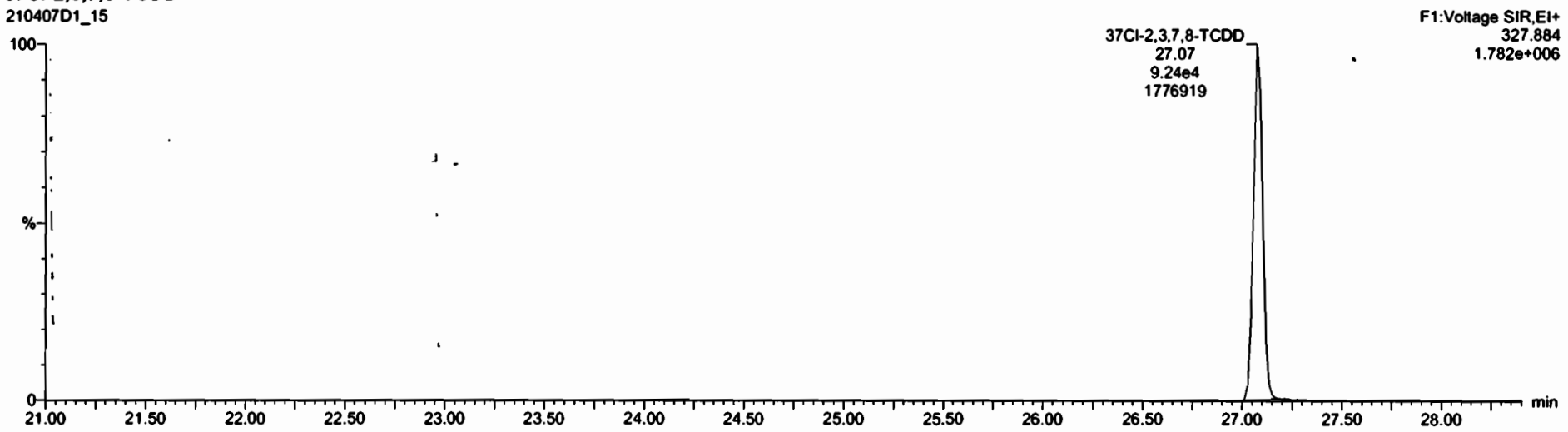
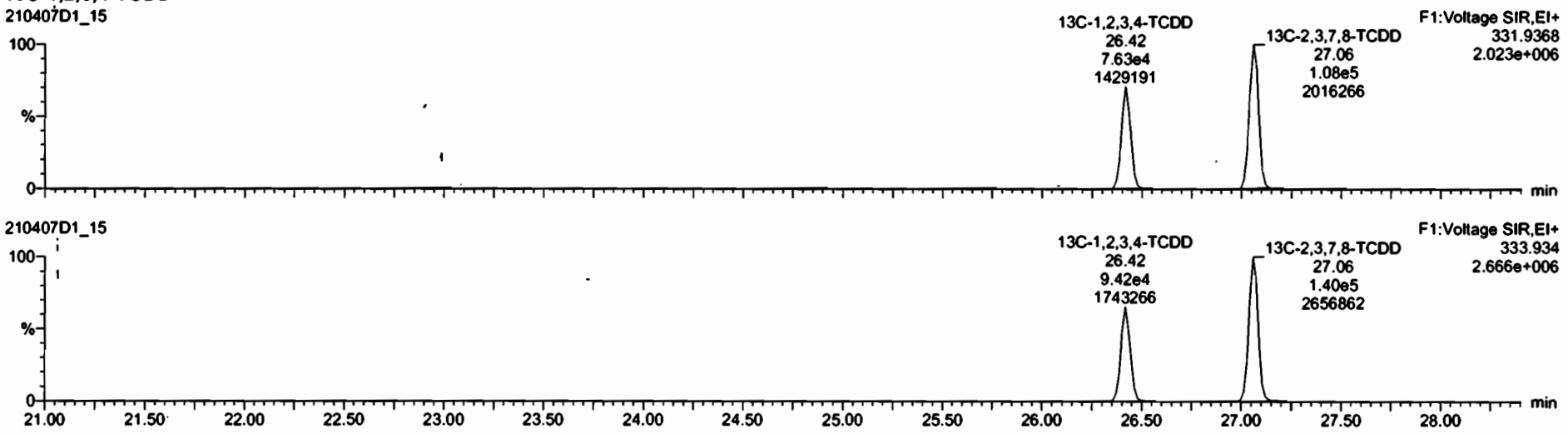
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_15, Date: 07-Apr-2021, Time: 19:38:44, ID: 2103216-20 USMPDI-067RAB-20-21.9-210316 15.94, Description: USMPDI-067RAB-20-21.9-210316

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



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



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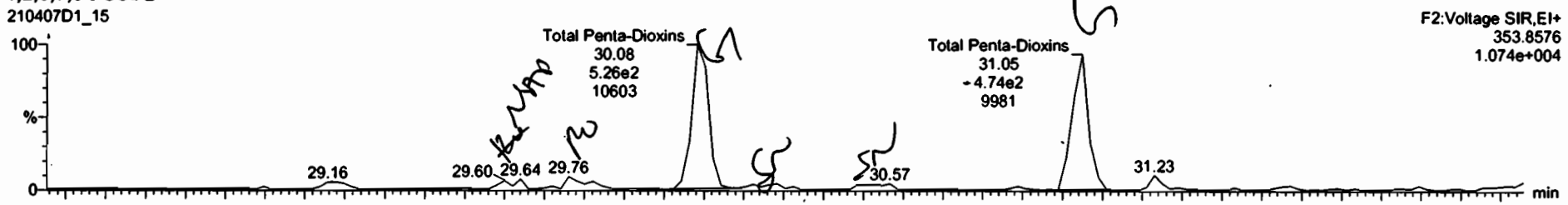
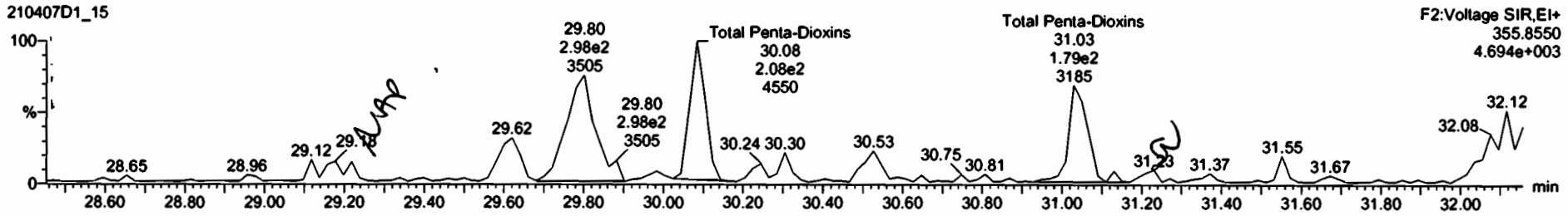
Name: 210407D1_15, Date: 07-Apr-2021, Time: 19:38:44, ID: 2103216-20 USMPDI-067RAB-20-21.9-210316 15.94, Description: USMPDI-067RAB-20-21.9-210316

1,2,3,7,8-PeCDD





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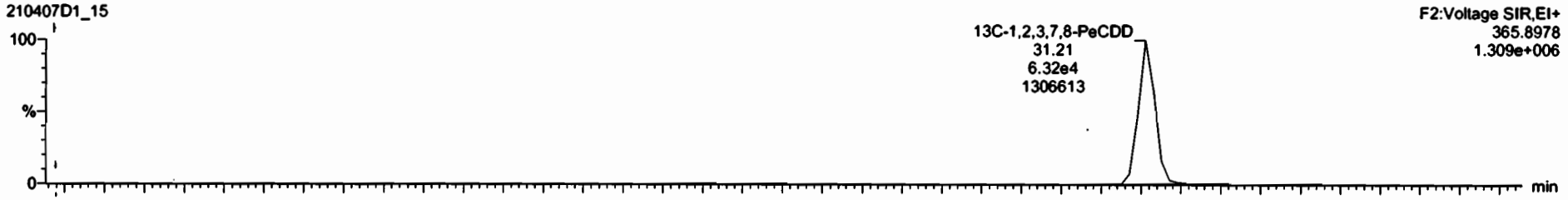

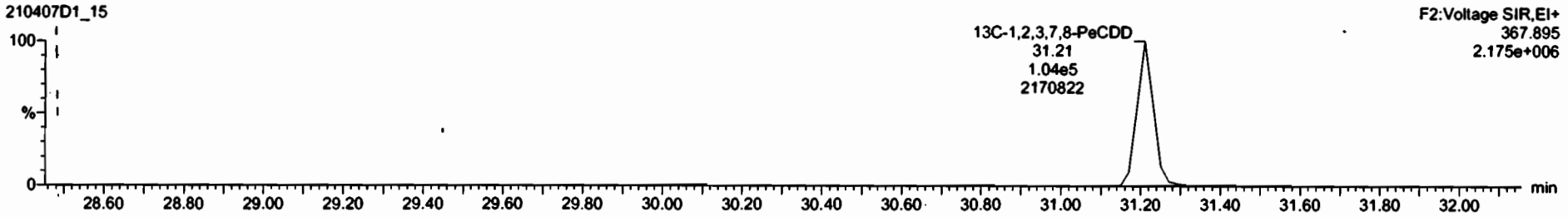

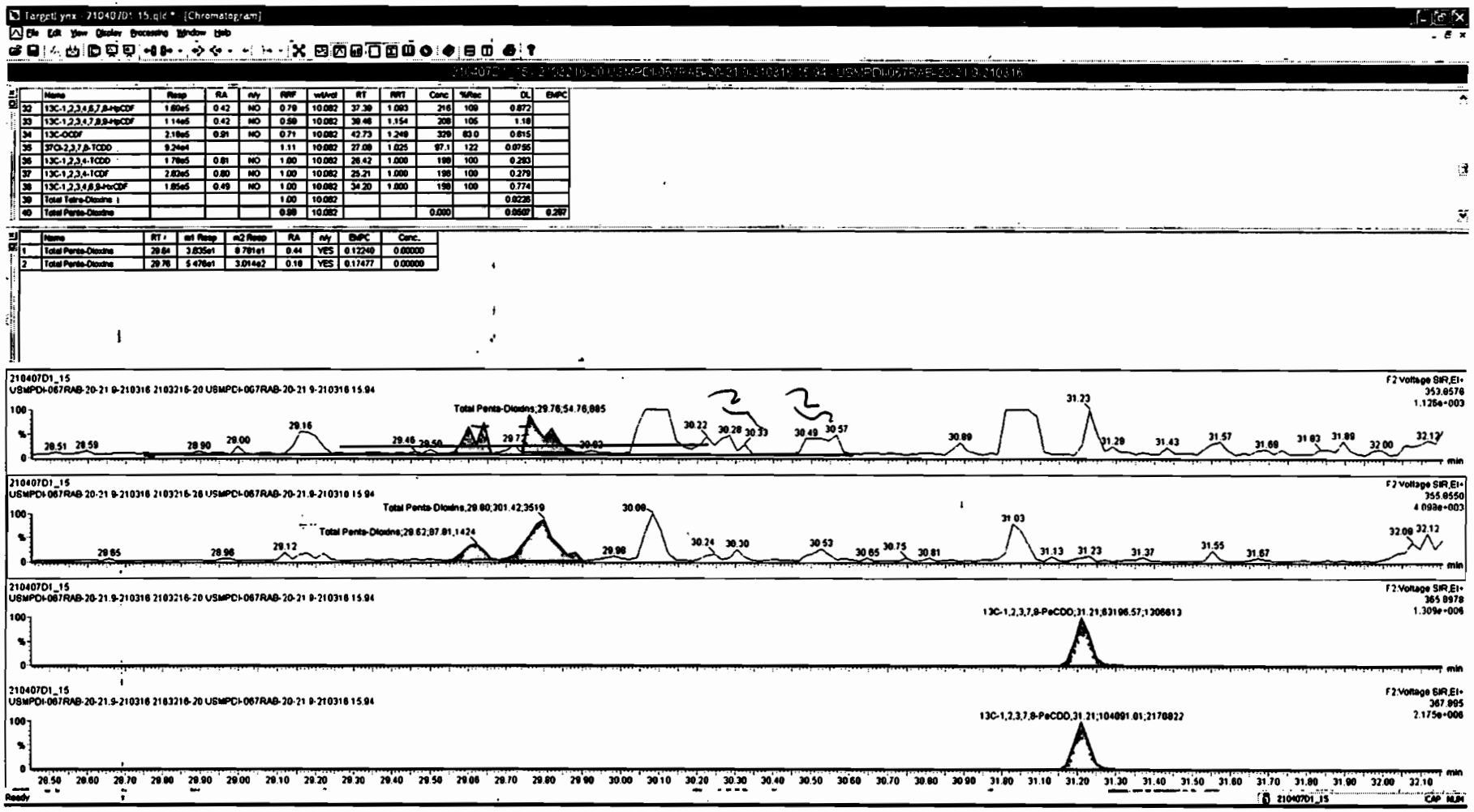
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210407D1_15 : 2103216-20 USMPDI-067RAB-20-21 9-210316 15.94 USMPDI-067RAB-20-21 9-210316
33 13C-1,2,3,4,6,7,8-HpCDF 1.60e5 0.42 NO 0.79 10.082 37.39 1.093 216 108 0.872
34 13C-OCDF 2.18e5 0.91 NO 0.71 10.082 42.73 1.249 329 83.0 0.615
35 37Cl-2,3,7,8-TCDD 9.24e4 1.11 10.082 27.08 1.025 97.1 122 0.0795
36 13C-1,2,3,4-TCDD 1.76e5 0.81 NO 1.00 10.082 26.42 1.000 199 100 0.283
37 13C-1,2,3,4-TCDF 2.82e5 0.80 NO 1.00 10.082 25.21 1.000 198 100 0.279
38 13C-1,2,3,4,6,8,9-HpCDF 1.85e5 0.49 NO 1.00 10.082 34.20 1.000 198 100 0.774
39 Total Tetra-Dioxins 1 1.00 10.082 0.0228
40 Total Penta-Dioxins 0.99 10.082 0.000 0.0507 0.287
1 Total Penta-Dioxins 29.84 3.835e1 9.781e1 0.44 YES 0.12240 0.00000
2 Total Penta-Dioxins 29.76 5.476e1 3.014e2 0.18 YES 0.17477 0.00000
210407D1_15
USMPDI-067RAB-20-21 9-210316 2103216-20 USMPDI-067RAB-20-21 9-210316 15.94
Total Penta-Dioxins,29.76,54.76,885
F2 Voltage SIR,EI+ 353.8578 1.126e+003
Total Penta-Dioxins,29.80,301.42,3519
Total Penta-Dioxins,29.62,87.81,1424
F2 Voltage SIR,EI+ 355.8550 4.098e+003
13C-1,2,3,7,8-PeCDD,31.21,83196.57,1306813
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13C-1,2,3,7,8-PeCDD,31.21,104091.01,2178822
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min
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210407D1_15
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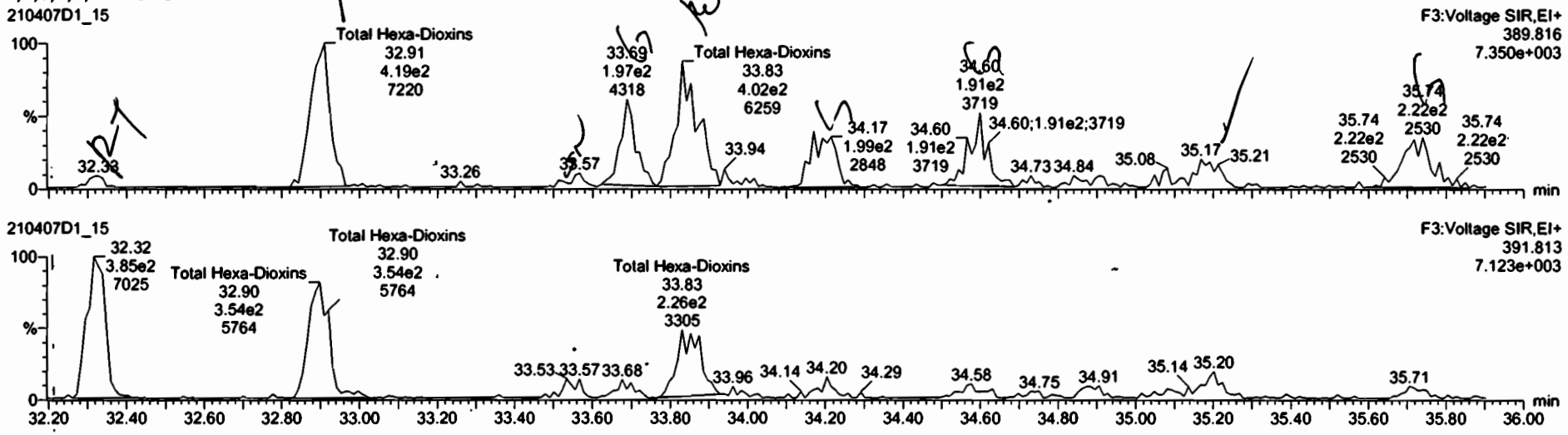
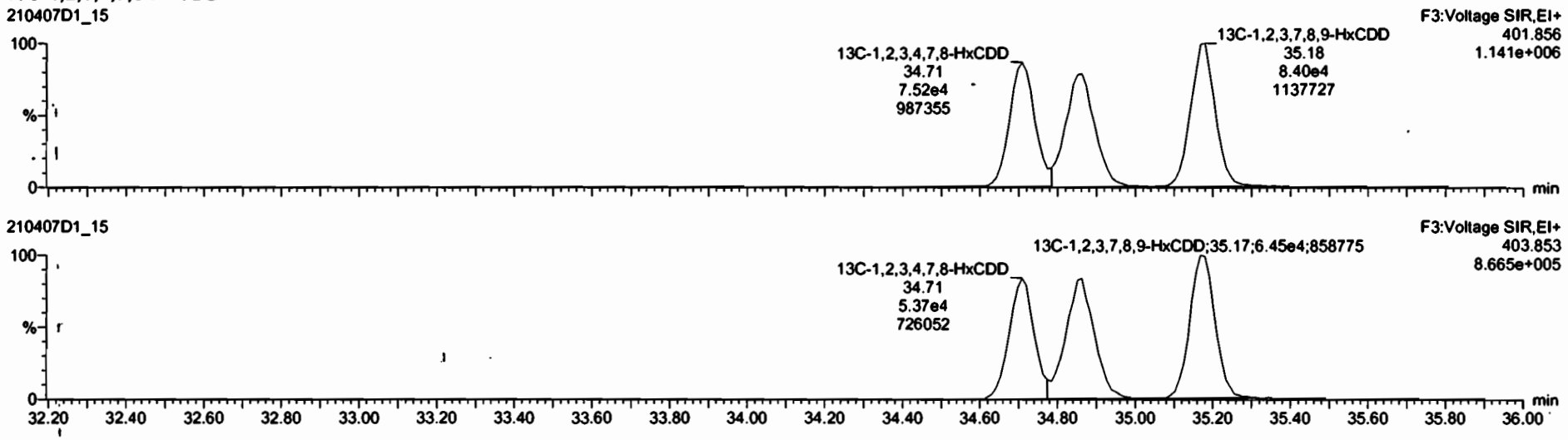
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

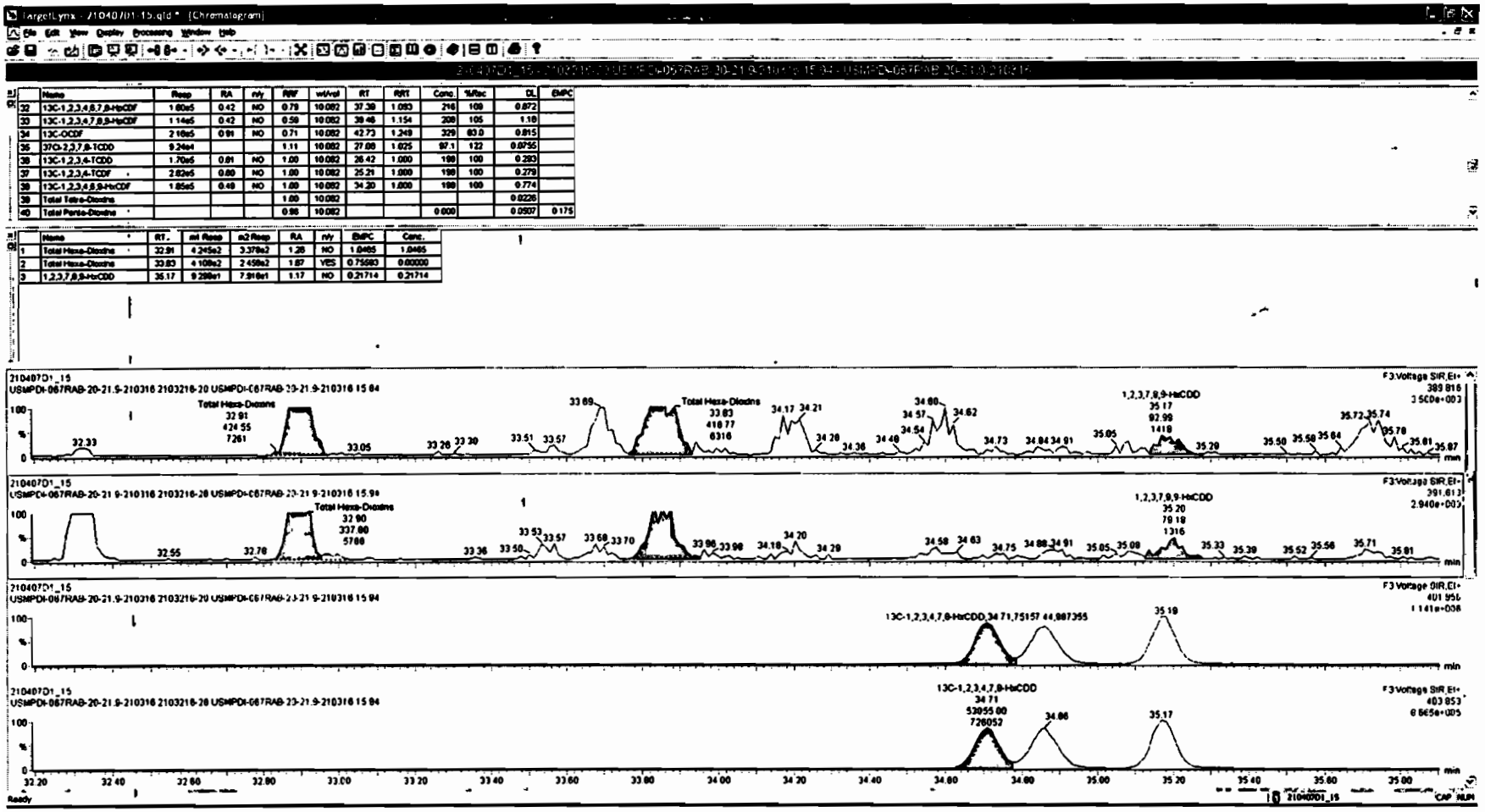
Name: 210407D1_15, Date: 07-Apr-2021, Time: 19:38:44, ID: 2103216-20 USMPDI-067RAB-20-21.9-210316 15.94, Description: USMPDI-067RAB-20-21.9-210316

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



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





	Name	Resp	RA	n/y	RRF	w/Avg	RT	RRT	Conc.	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	1.60e5	0.42	NO	0.79	10.082	37.38	1.050	216	108	0.872	
33	13C-1,2,3,4,7,8,9-HpCDF	1.14e5	0.42	NO	0.56	10.082	39.46	1.154	208	105	1.10	
34	13C-OCDF	2.16e5	0.91	NO	0.71	10.082	42.73	1.249	329	83.0	0.815	
35	37Cl-2,3,7,8-TCDD	9.24e4			1.11	10.082	27.08	1.025	97.1	122	0.0755	
36	13C-1,2,3,4-TCDD	1.70e5	0.81	NO	1.00	10.082	26.42	1.000	199	100	0.283	
37	13C-1,2,3,4-TCDF	2.82e5	0.80	NO	1.00	10.082	25.21	1.000	199	100	0.279	
38	13C-1,2,3,4,8,9-HxCDF	1.85e5	0.49	NO	1.00	10.082	34.20	1.000	199	100	0.774	
39	Total Tetra-Dioxins				1.00	10.082					0.0226	
40	Total Penta-Dioxins				0.98	10.082			0.000		0.0507	0.175

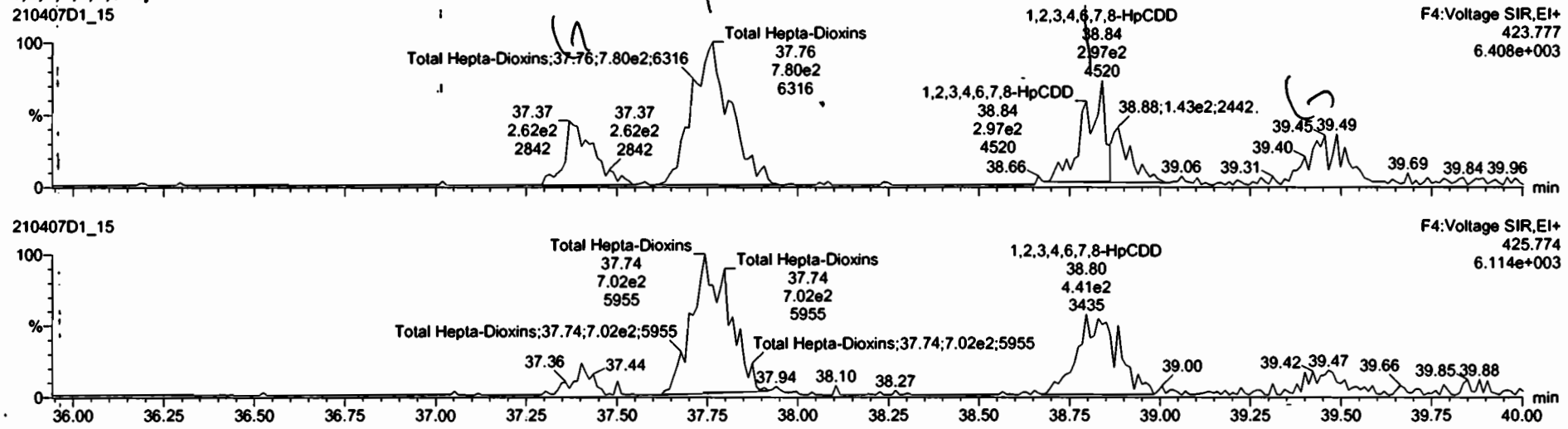
	Name	RT	a1 Resp	a2 Resp	RA	n/y	EMPC	Conc.
1	Total Hexa-Dioxins	32.91	4.245e2	3.378e2	1.26	NO	1.0465	1.0465
2	Total Hexa-Dioxins	33.83	4.108e2	2.458e2	1.67	YES	0.75680	0.00000
3	1,2,3,7,8,9-HxCDD	35.17	9.298e1	7.916e1	1.17	NO	0.21714	0.21714

Dataset: Untitled

Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_15, Date: 07-Apr-2021, Time: 19:38:44, ID: 2103216-20 USMPDI-067RAB-20-21.9-210316 15.94, Description: USMPDI-067RAB-20-21.9-210316

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



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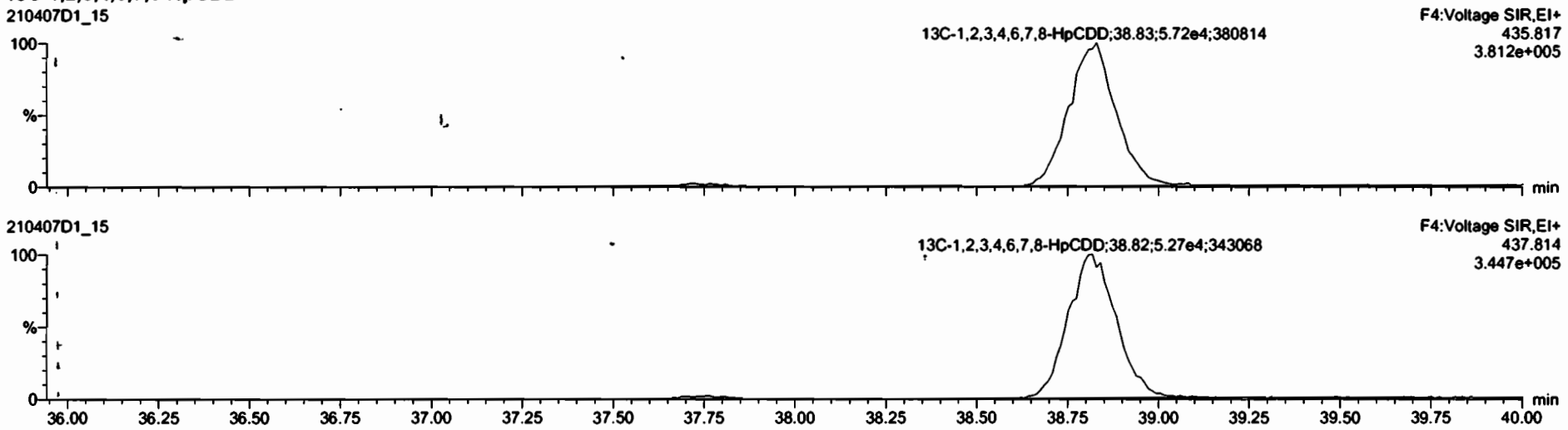

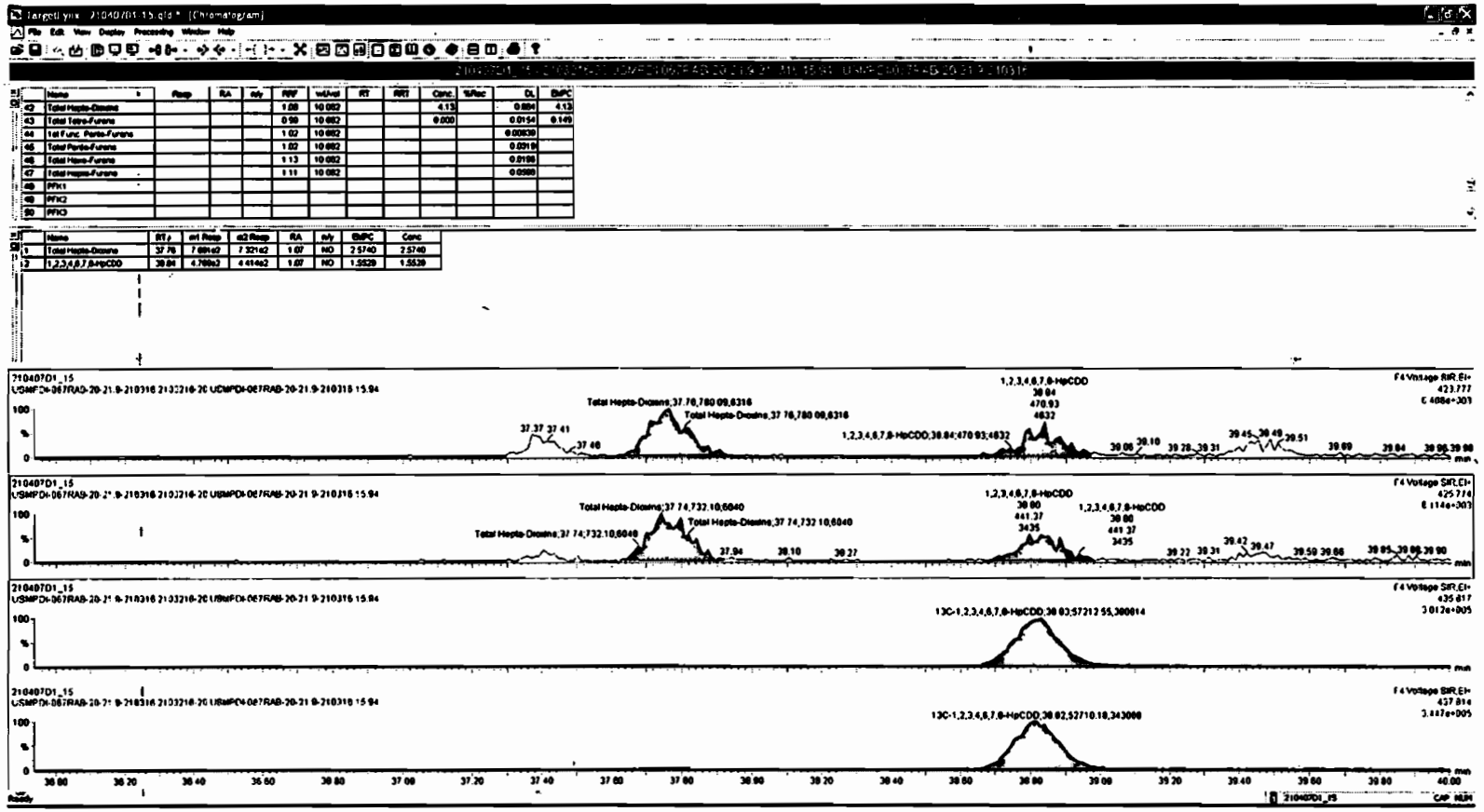
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1,2,3,4,6,7,8-HpCDD
38.84
470.93
4632
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1,2,3,4,6,7,8-HpCDD
38.80
441.37
3435
13C-1,2,3,4,6,7,8-HpCDD,38 83,57212 55,380814
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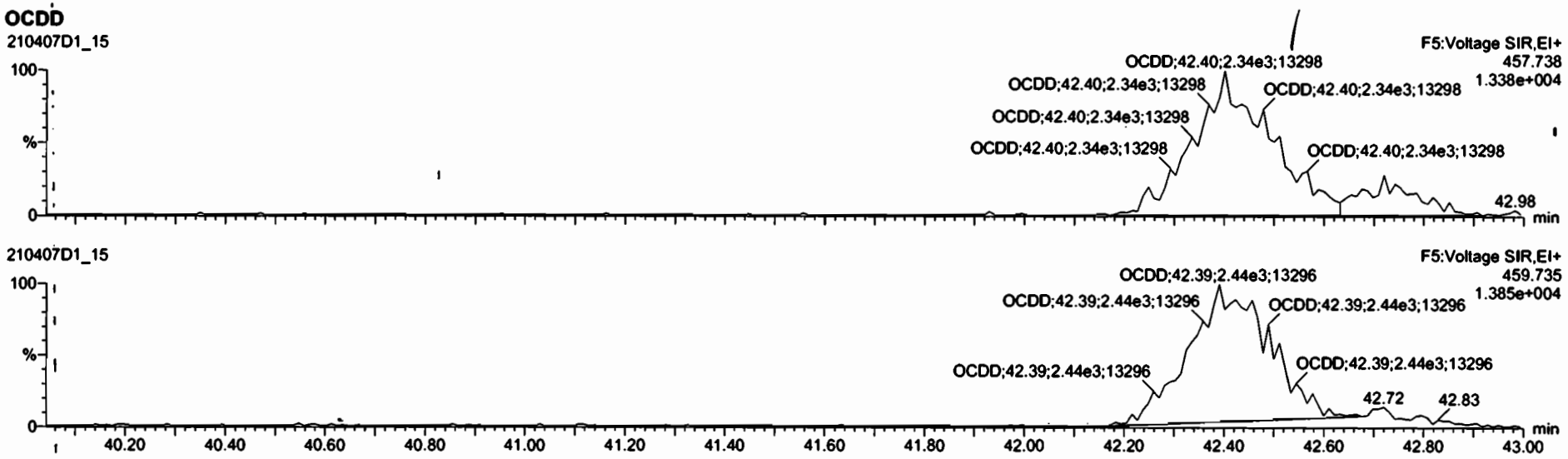
OCDD



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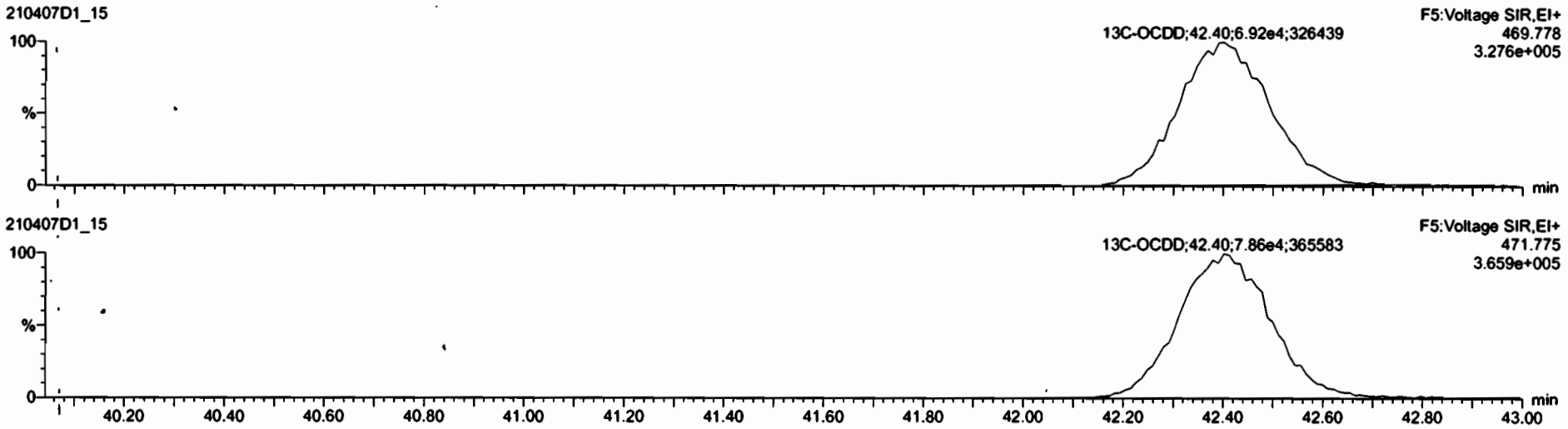

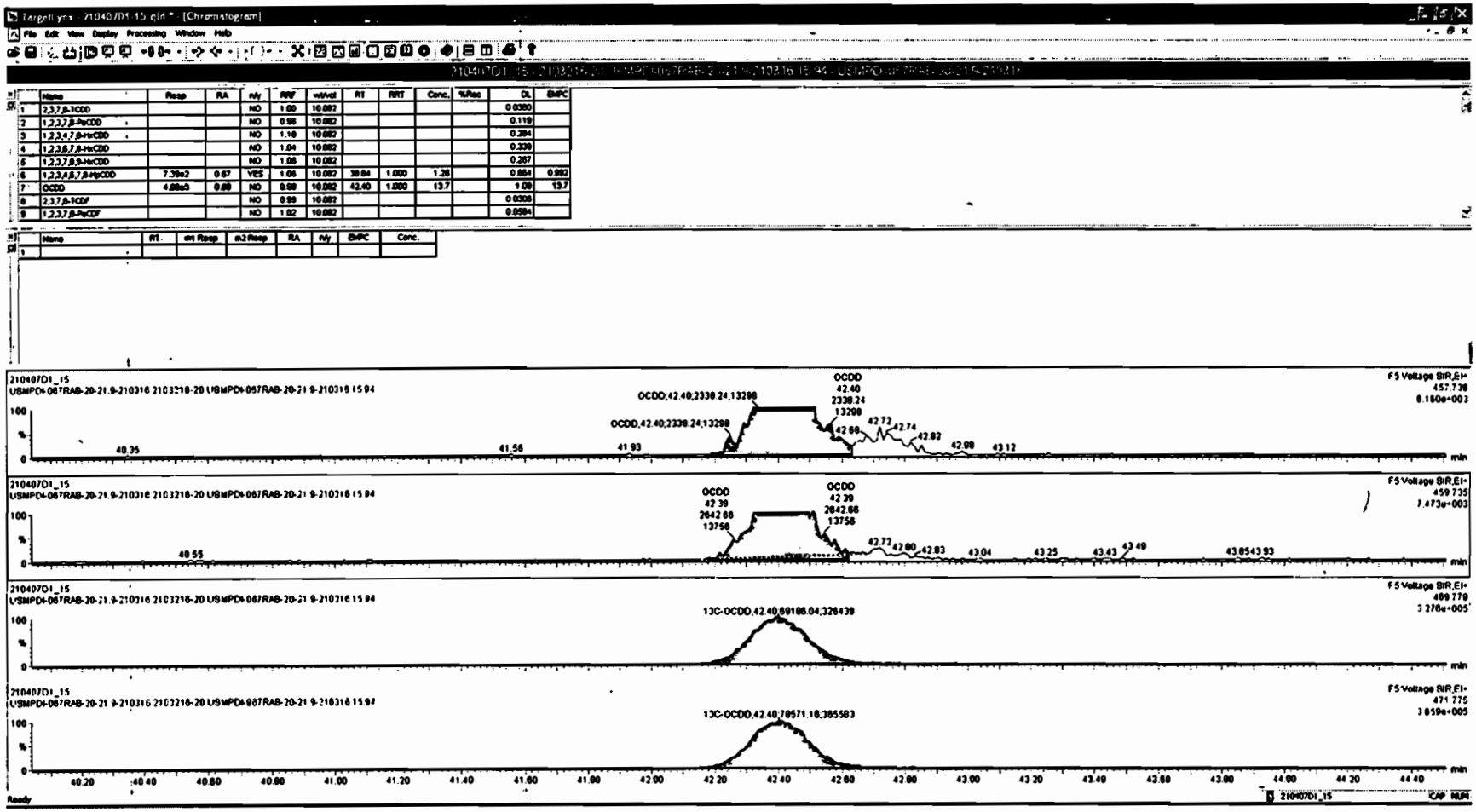

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2	1,2,3,7,8-PeCDD			NO	0.96	10.000					0.119	
3	1,2,3,4,7,8-HxCDD			NO	1.10	10.000					0.284	
4	1,2,3,6,7,8-HxCDD			NO	1.04	10.000					0.338	
5	1,2,3,7,8,9-HxCDD			NO	1.08	10.000					0.267	
6	1,2,3,4,6,7,8-HpCDD	7.39e2	0.67	YES	1.06	10.000	39.84	1.000	1.38		0.864	0.992
7	OCDD	4.89e3	0.89	NO	0.98	10.000	42.40	1.000	13.7		1.08	13.7
8	2,3,7,8-TCDF			NO	0.99	10.000					0.0308	
9	1,2,3,7,8-PeCDF			NO	1.02	10.000					0.0594	

	Name	RT	m/z Resp	m/z Resp	RA	n/y	EMPC	Conc.
1								

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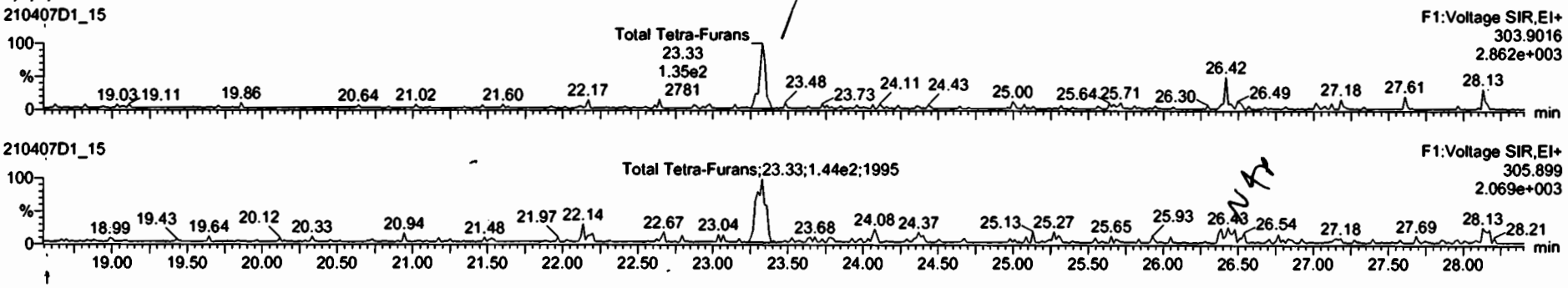
2,3,7,8-TCDF



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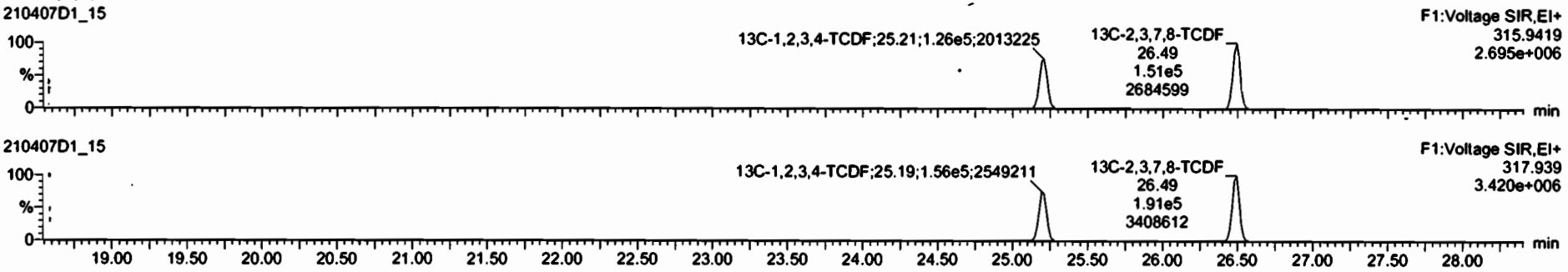
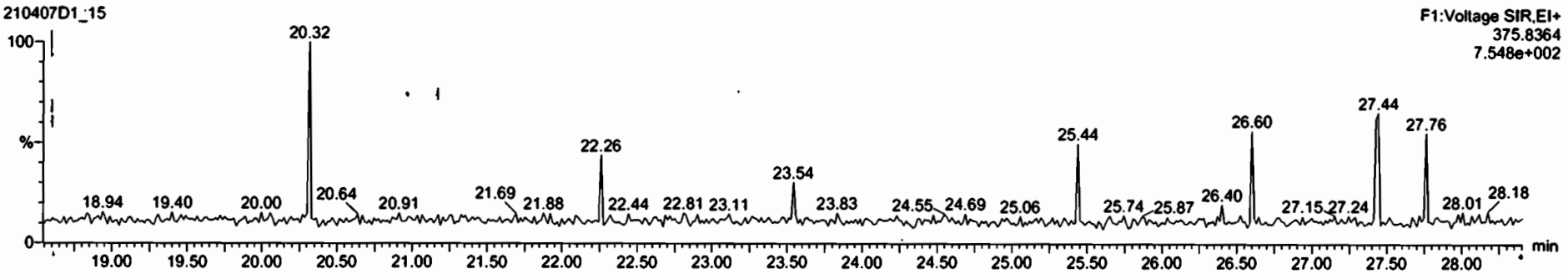


DPE1



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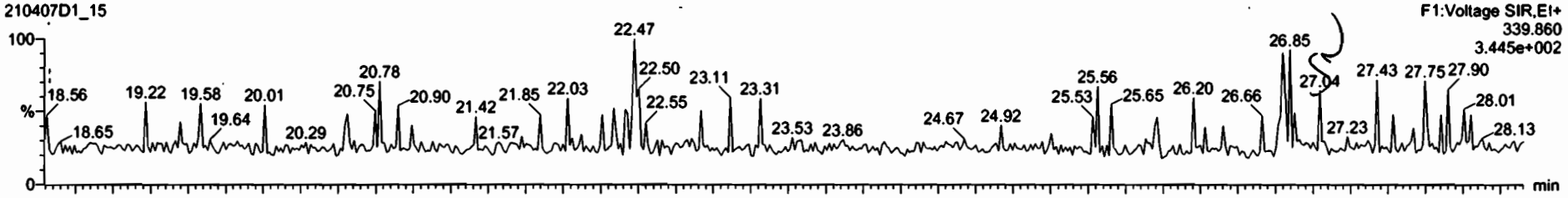
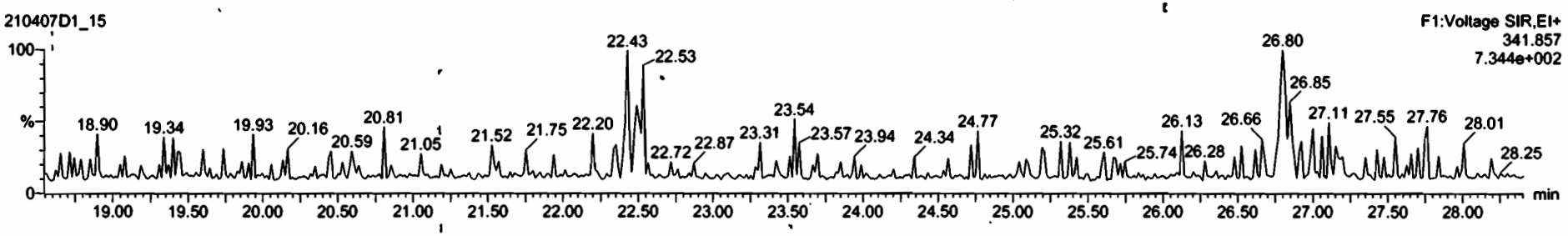
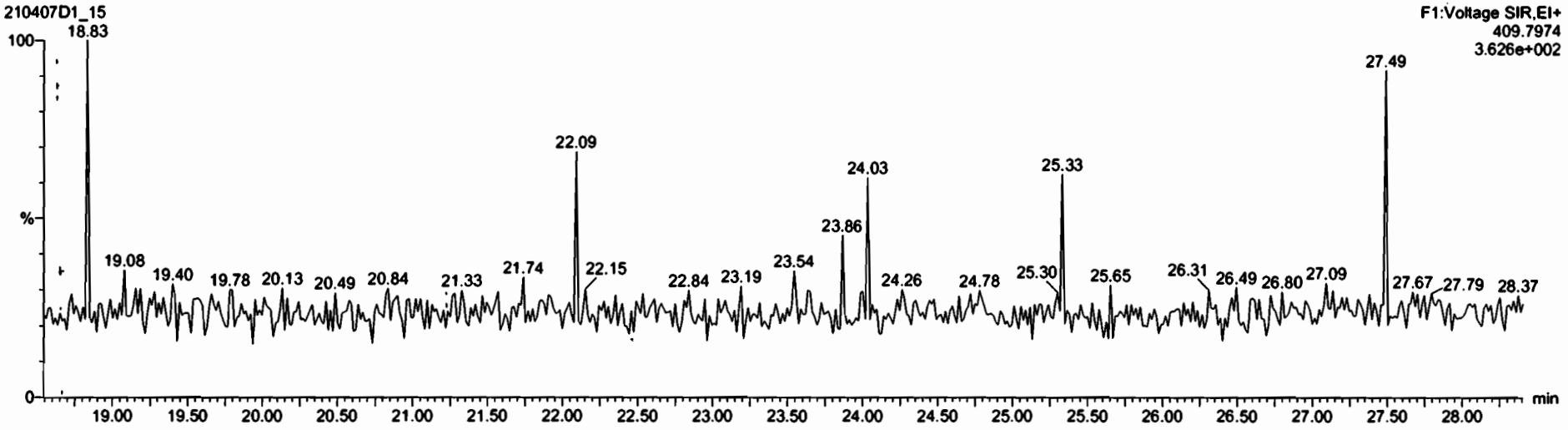
1st Func. Penta-Furans





DPE6



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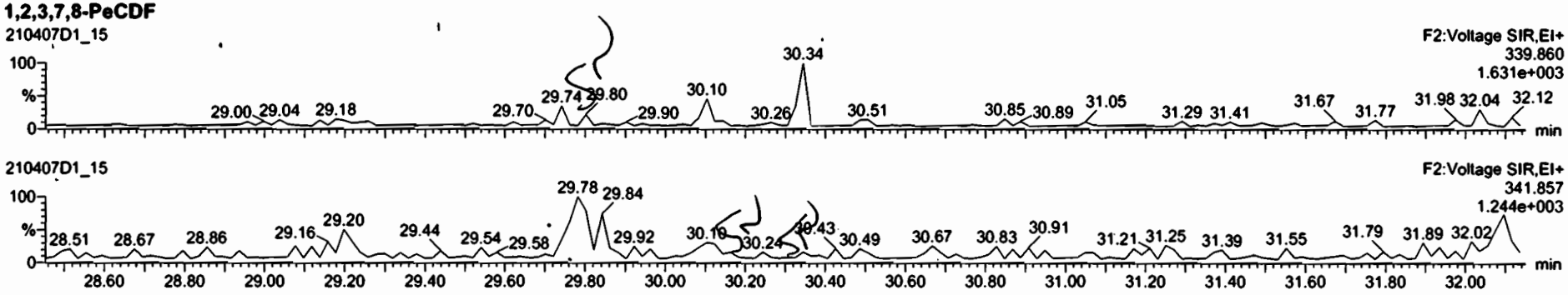
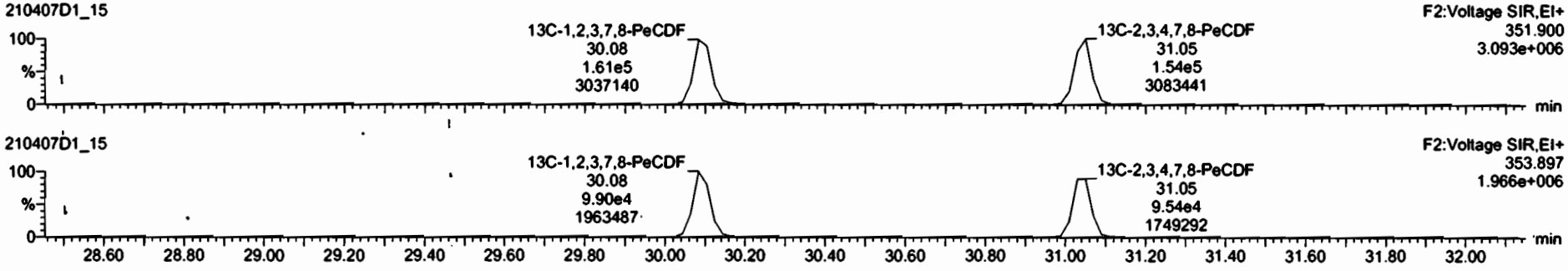
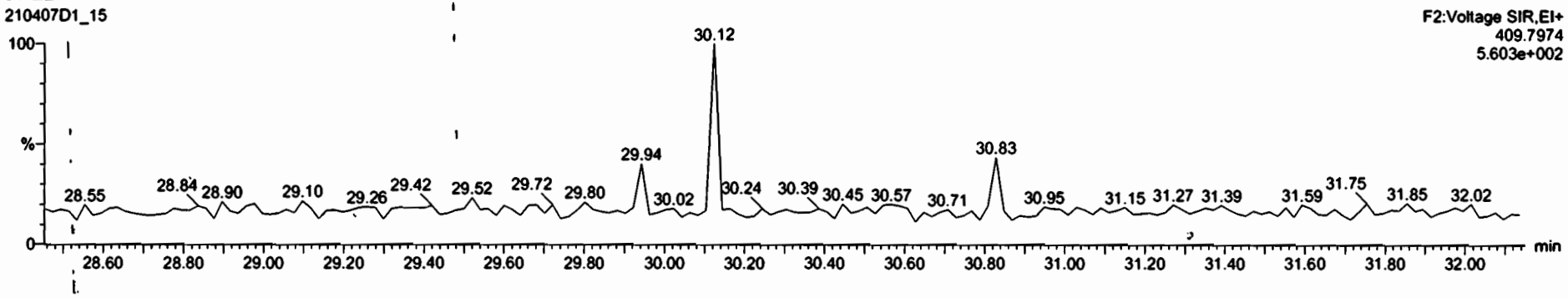
1,2,3,7,8-PeCDF



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



DPE2



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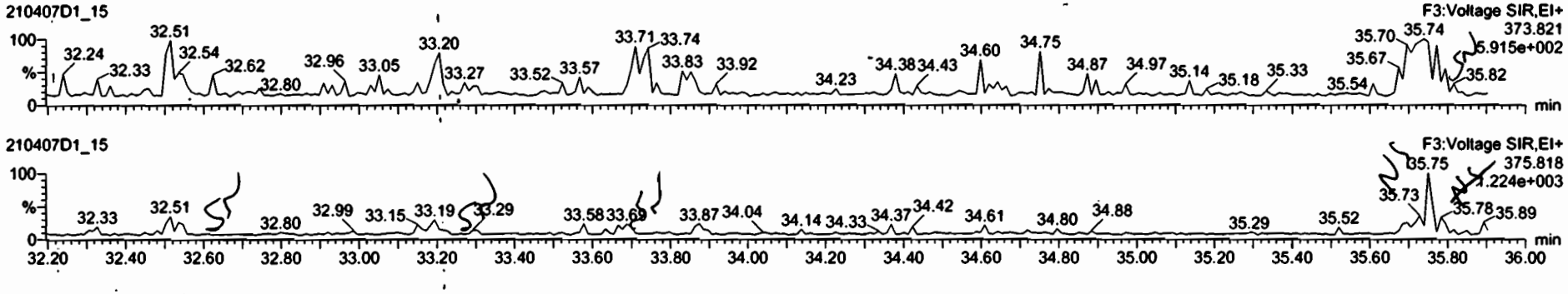
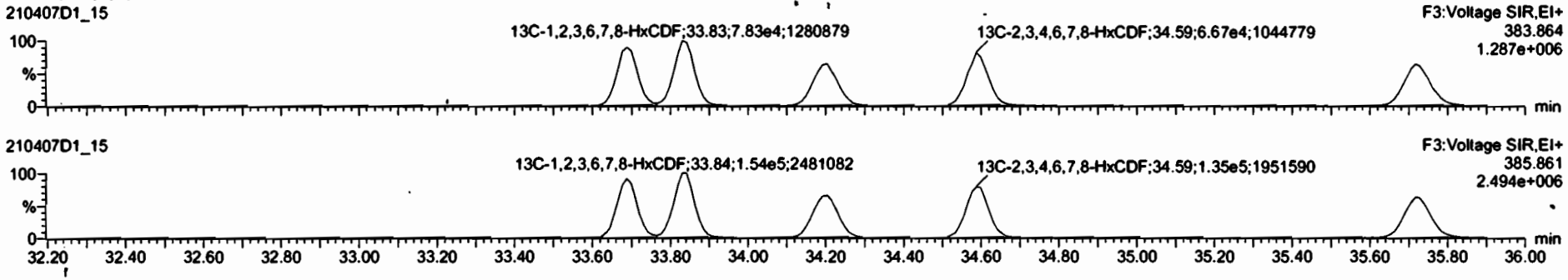
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_15, Date: 07-Apr-2021, Time: 19:38:44, ID: 2103216-20 USMPDI-067RAB-20-21.9-210316 15.94, Description: USMPDI-067RAB-20-21.9-210316

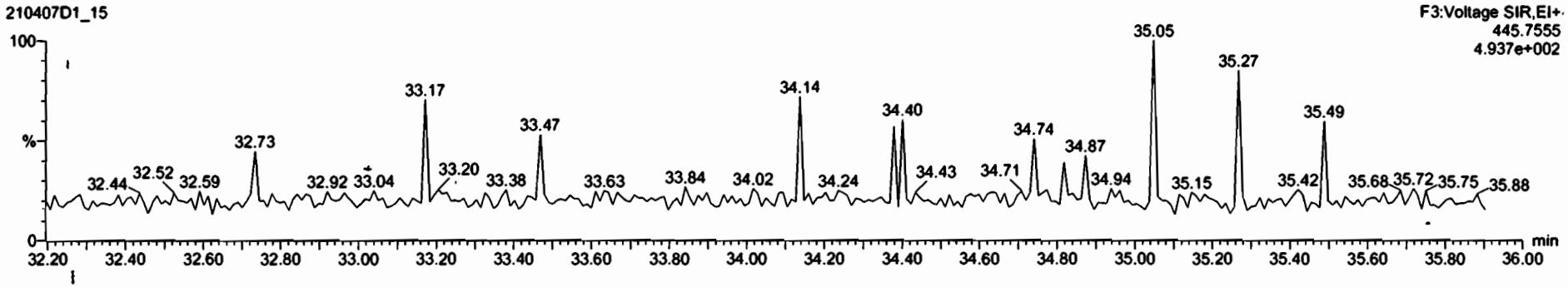
1,2,3,4,7,8-HxCDF



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



DPE3



Dataset: Untitled

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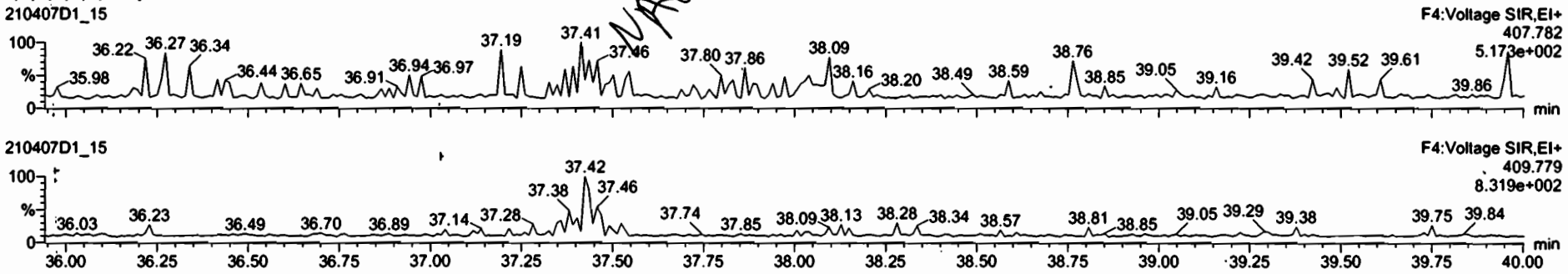
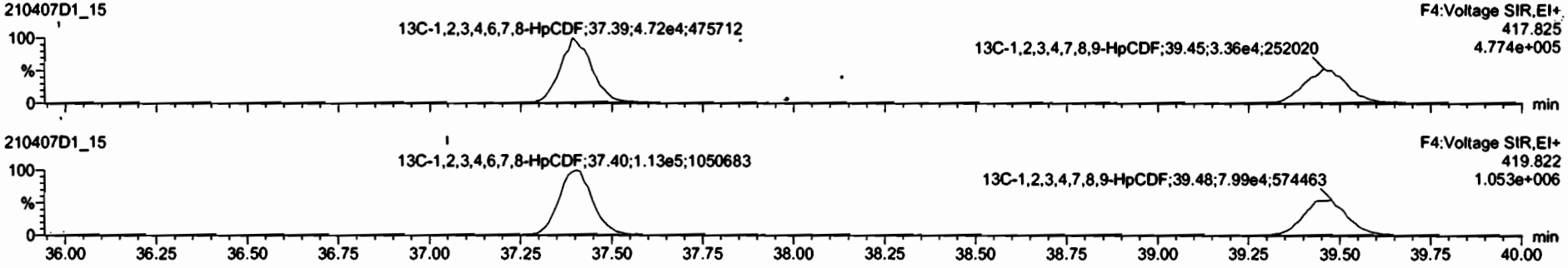
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_15, Date: 07-Apr-2021, Time: 19:38:44, ID: 2103216-20 USMPDI-067RAB-20-21.9-210316 15.94, Description: USMPDI-067RAB-20-21.9-210316

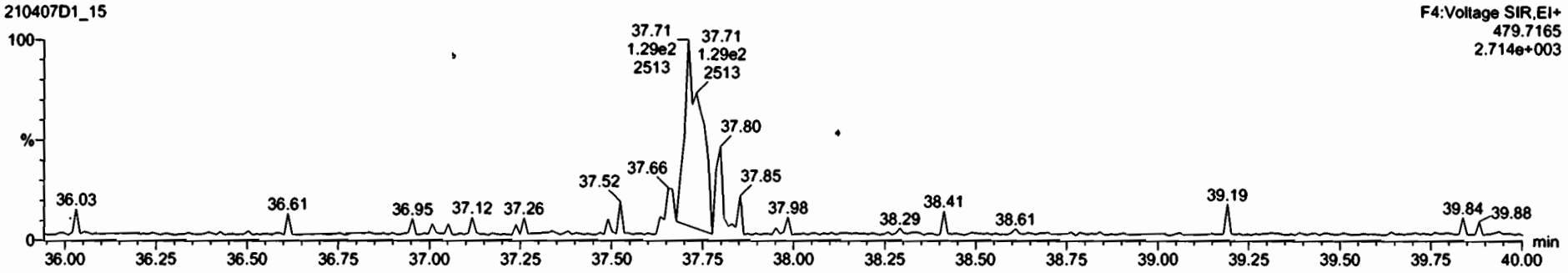
1,2,3,4,6,7,8-HpCDF



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



DPE4



Dataset: Untitled

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Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

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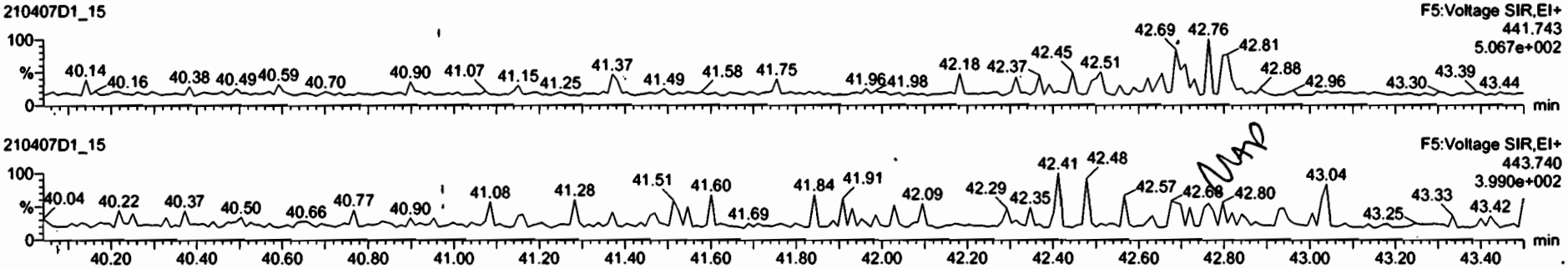
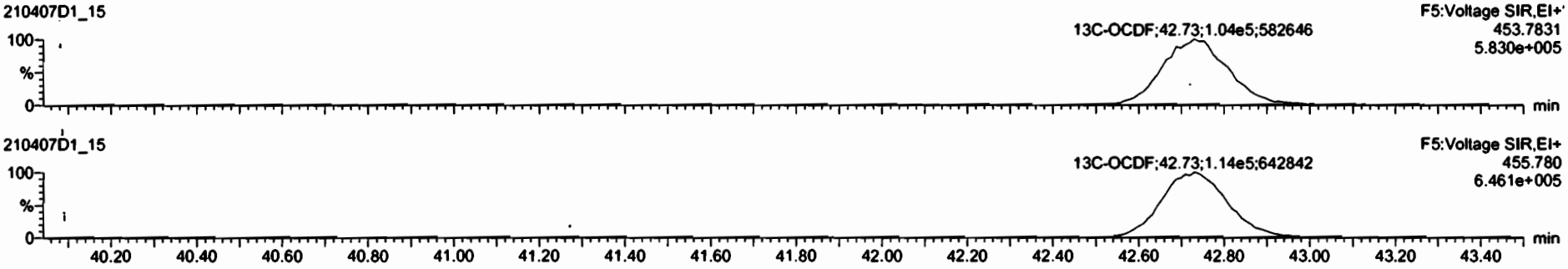
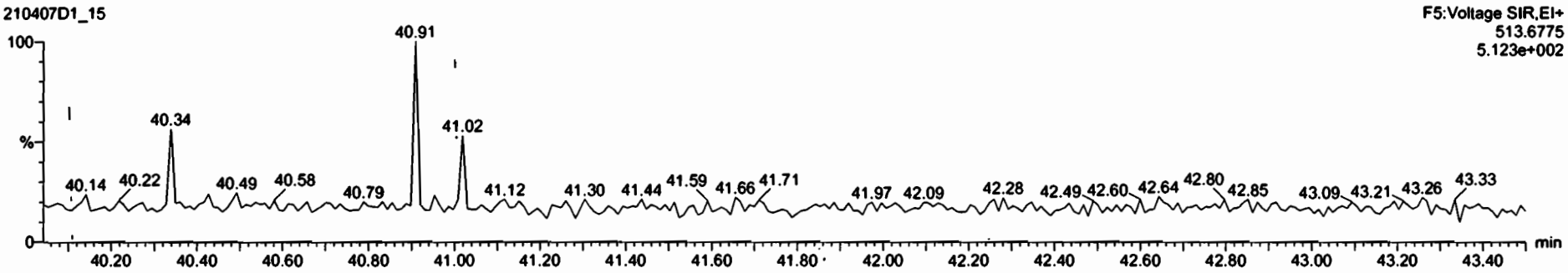
OCDF



13C-OCDF



DPE5



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Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

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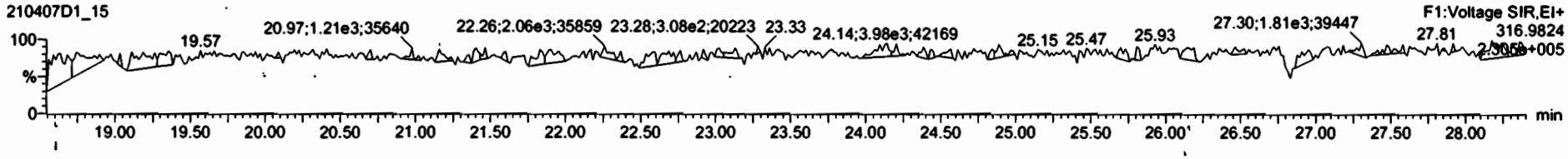
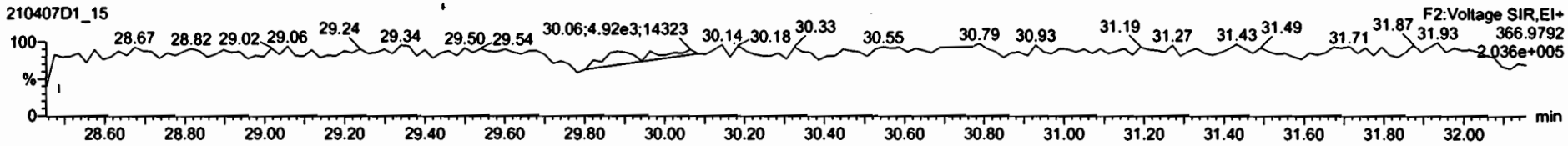
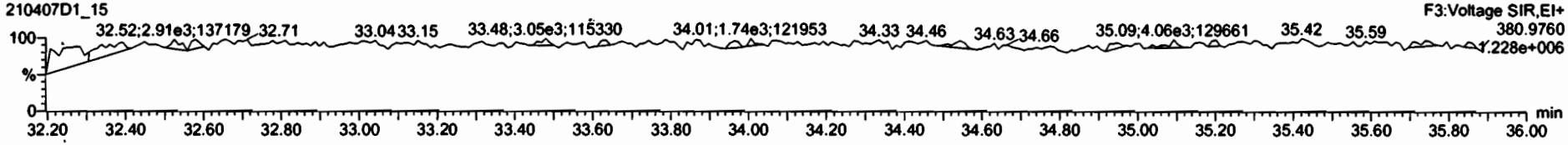
PFK1



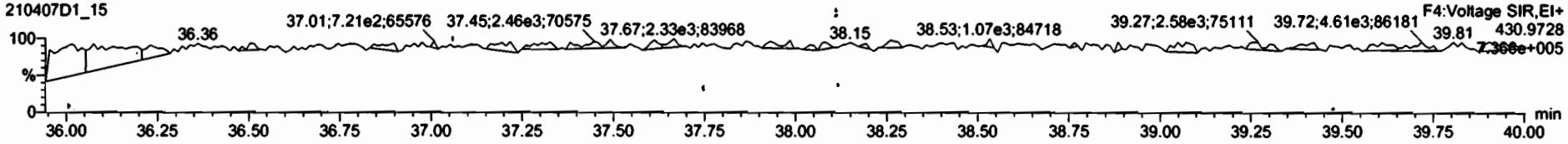
PFK2



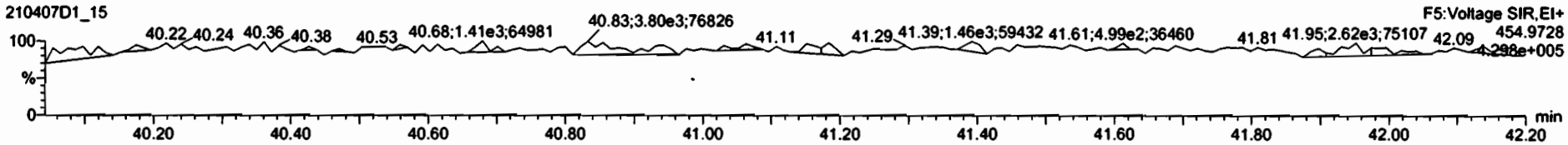
PFK3



PFK4



PFK5



SAMPLE DATA – EPA METHOD 1699

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_5.qld

Last Altered: Thursday, April 15, 2021 17:48:03 Pacific Daylight Time
Printed: Thursday, April 15, 2021 17:48:57 Pacific Daylight Time

OC 04/28/21
DF 04/15/21
CTOS/03/2021

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_5, Date: 14-Apr-2021, Time: 13:03:34, ID: B1D0036-BLK1 Method Blank 1, Description: Method Blank, Task: ST210414H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	4	Lindane (gamma-...		2.48e5		NO	0.860	1.000 ✓			1.000	YES			6.94	
2	9	Aldrin		1.82e5		NO	1.09	1.000			1.001	YES			0.905	
3	10	Oxychlordane		6.47e4		NO	1.06	1.000			1.001	YES			2.12	
4	13	trans-Chlordane (g...		5.45e4		NO	1.14	1.000			1.001	YES			2.11	
5	14	trans-Nonachlor		6.18e4		NO	1.06	1.000			1.000	YES			1.97	
6	15	cis-Chlordane	2.38e2	6.18e4	1.03	YES	1.16	1.000	35.73	1.014	1.016	NO	3.3131		1.79	2.76
7	18	2,4'-DDE		1.49e6	0.00	YES	1.02	1.000			1.000	NO			1.41	
8	19	4,4'-DDE		1.05e6		NO	1.04	1.000			1.000	YES			1.79	
9	20	Dieldrin	3.51e2	1.21e5	5.09	YES	1.03	1.000	37.28	1.001	1.001	NO	2.8204		1.72	1.19
10	22	cis-Nonachlor		6.27e4		NO	1.00	1.000			1.000	YES			3.12	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_5.qld

Last Altered: Thursday, April 15, 2021 17:41:26 Pacific Daylight Time
Printed: Thursday, April 15, 2021 17:46:12 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_5, Date: 14-Apr-2021, Time: 13:03:34, ID: B1D0036-BLK1 Method Blank 1, Description: Method Blank, Task: ST210414H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	24	2,4'-DDD		1.38e6		NO	1.07	1.000			1.000	YES			2.13	
2	25	2,4'-DDT		8.02e5		NO	1.05	1.000			1.000	YES			3.45	
3	26	4,4'-DDD		1.15e6		NO	1.16	1.000			1.000	YES			2.35	
4	27	4,4'-DDT		6.65e5		NO	1.13	1.000			1.001	YES			3.71	
5	36	13C6-Lindane (ga...	2.48e5	1.86e6	0.79	NO	0.194	1.000	26.55	1.019	1.019	NO	689.68	69.0	3.13	
6	40	13C12-Aldrin	1.82e5	1.86e6	1.53	NO	0.154	1.000	30.79	1.182	1.181	NO	636.07	63.6	0.967	
7	41	13C10-Oxychlorda...	6.47e4	1.86e6	1.47	NO	0.0404	1.000	33.35	1.280	1.280	NO	862.92	86.3	3.69	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_5.qld

Last Altered: Thursday, April 15, 2021 17:41:26 Pacific Daylight Time
Printed: Thursday, April 15, 2021 17:46:32 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_5, Date: 14-Apr-2021, Time: 13:03:34, ID: B1D0036-BLK1 Method Blank 1, Description: Method Blank, Task: ST210414H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	43	13C10-trans-Chlor...	5.45e4	1.86e6	1.48	NO	0.0358	1.000	35.03	1.344	1.344	NO	819.10	81.9	4.16	
2	44	13C10-trans-Nona...	6.18e4	1.10e6	1.43	NO	0.0638	1.000	35.22	0.983	0.983	NO	880.87	88.1	2.24	
3	46	13C12-2,4'-DDE	1.49e6	1.10e6	1.61	NO	1.43	1.000	35.67	0.996	0.995	NO	942.06	94.2	0.941	
4	47	13C12-4,4'-DDE	1.05e6	1.10e6	1.55	NO	0.995	1.000	36.74	1.025	1.026	NO	962.63	96.3	1.36	
5	48	13C12-Dieldrin	1.21e5	1.10e6	1.66	NO	0.146	1.000	37.25	1.040	1.040	NO	751.76	75.2	2.56	
6	50	13C10-cis-Nonach...	6.27e4	1.10e6	1.46	NO	0.0791	1.000	38.94	1.087	1.087	NO	720.13	72.0	4.74	
7	52	13C12-2,4'-DDD	1.38e6	1.10e6	1.61	NO	1.35	1.000	37.87	1.057	1.057	NO	926.46	92.6	1.28	
8	53	13C12-2,4'-DDT	8.02e5	1.10e6	1.61	NO	0.962	1.000	39.00	1.088	1.089	NO	757.72	75.8	1.80	
9	54	13C12-4,4'-DDD	1.15e6	1.10e6	1.58	NO	1.12	1.000	39.12	1.092	1.092	NO	927.41	92.7	1.54	
10	55	13C12-4,4'-DDT	6.65e5	1.10e6	1.57	NO	0.735	1.000	40.19	1.122	1.122	NO	822.91	82.3	2.36	
11	62	13C-PCB-15	1.86e6	1.86e6	1.57	NO	1.00	1.000	26.06	1.000	1.000	NO	1000.0	100	0.405	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_5.qld

Last Altered: Thursday, April 15, 2021 17:41:26 Pacific Daylight Time
Printed: Thursday, April 15, 2021 17:46:37 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_5, Date: 14-Apr-2021, Time: 13:03:34, ID: B1D0036-BLK1 Method Blank 1, Description: Method Blank, Task: ST210414H1_1

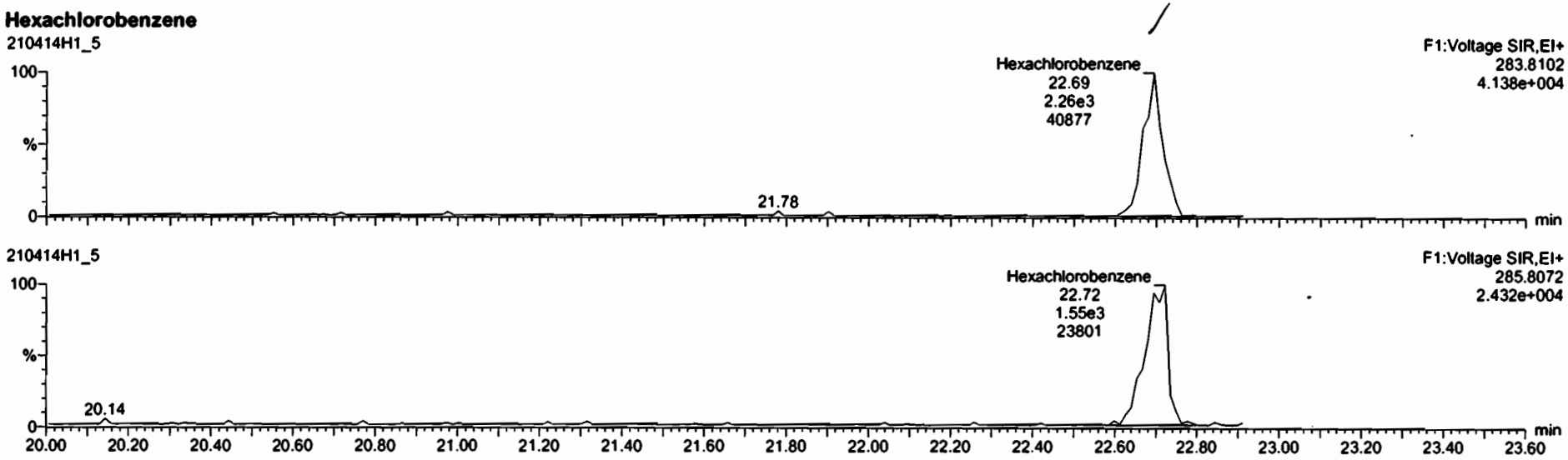
	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	63	13C-PCB-60	1.10e6	1.10e6	0.81	NO	1.00	1.000	35.83	1.000	1.000	NO	1000.0	100	0.895	

Dataset: Untitled

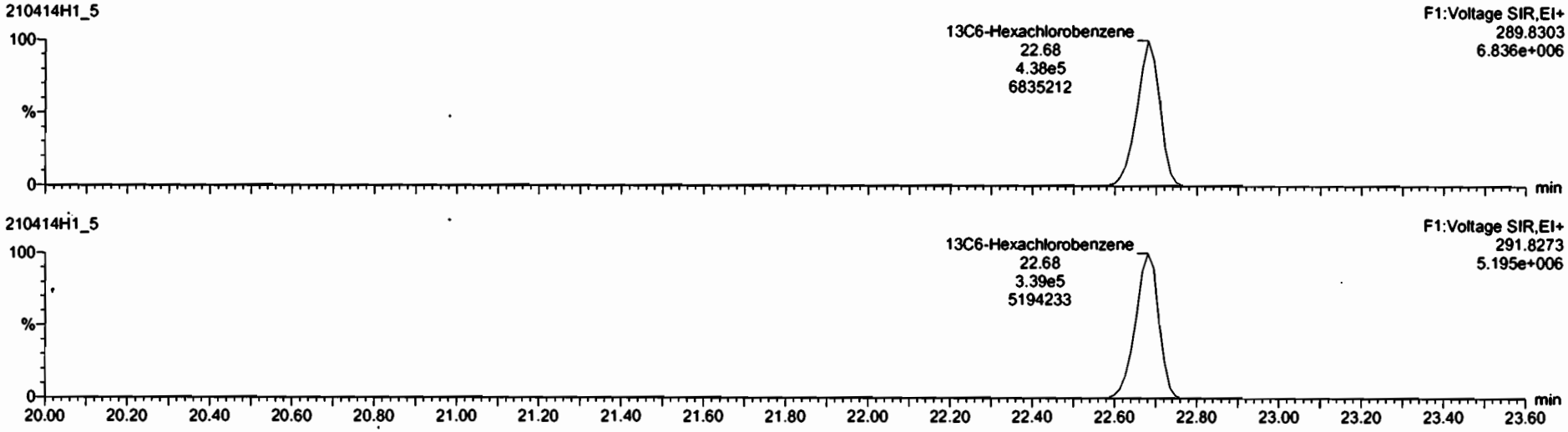
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_5, Date: 14-Apr-2021, Time: 13:03:34, ID: B1D0036-BLK1 Method Blank 1, Description: Method Blank

Hexachlorobenzene



13C6-Hexachlorobenzene

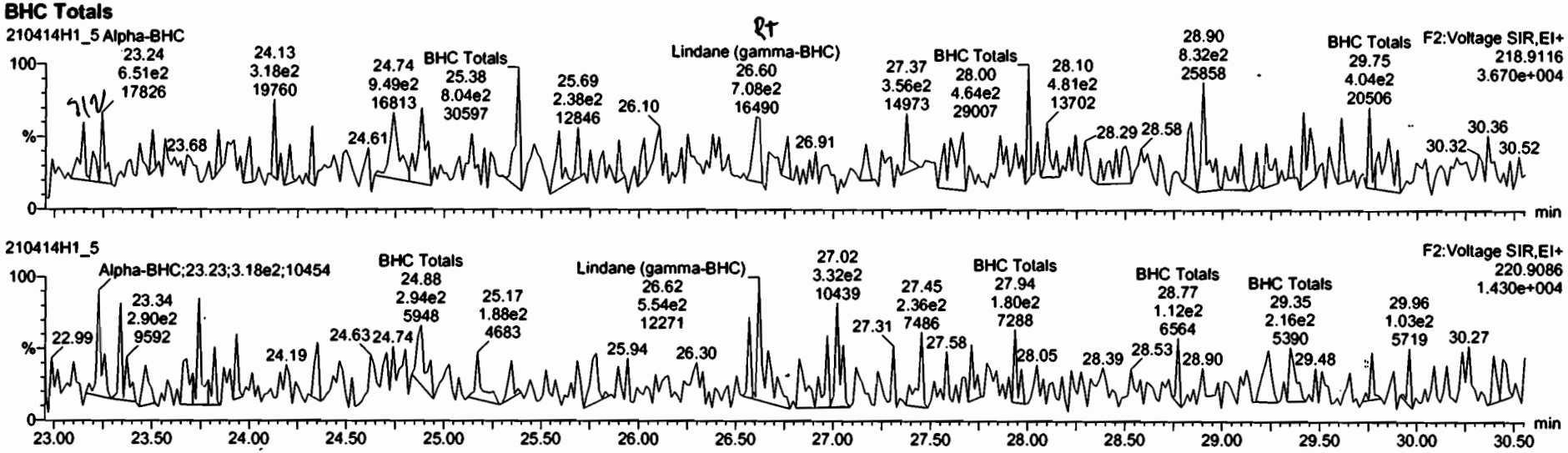


Dataset: Untitled

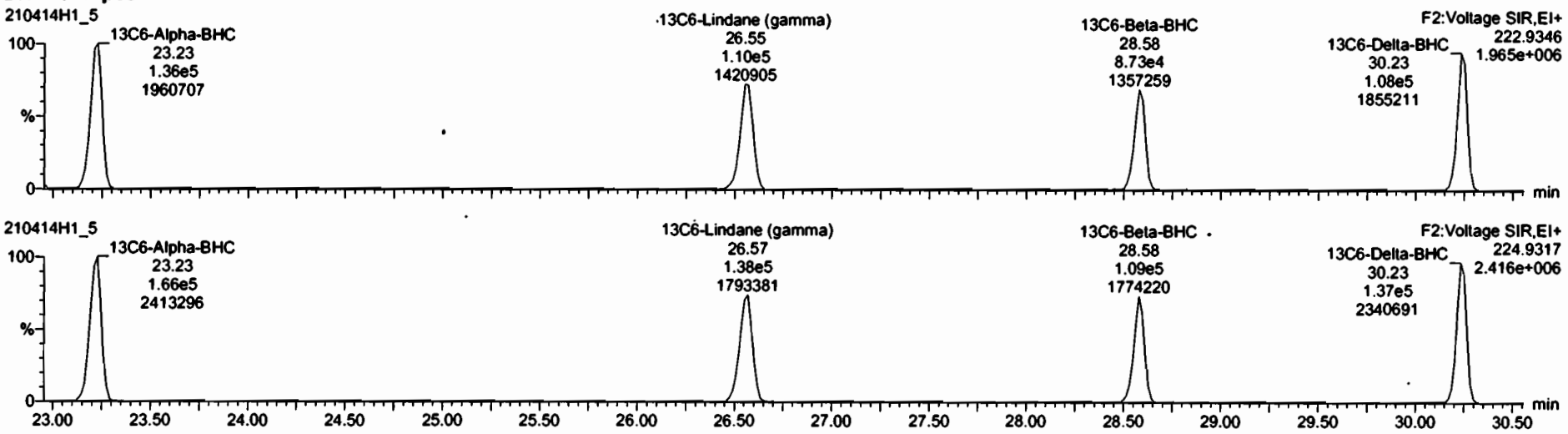
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_5, Date: 14-Apr-2021, Time: 13:03:34, ID: B1D0036-BLK1 Method Blank 1, Description: Method Blank

BHC Totals



BHC-isotopes



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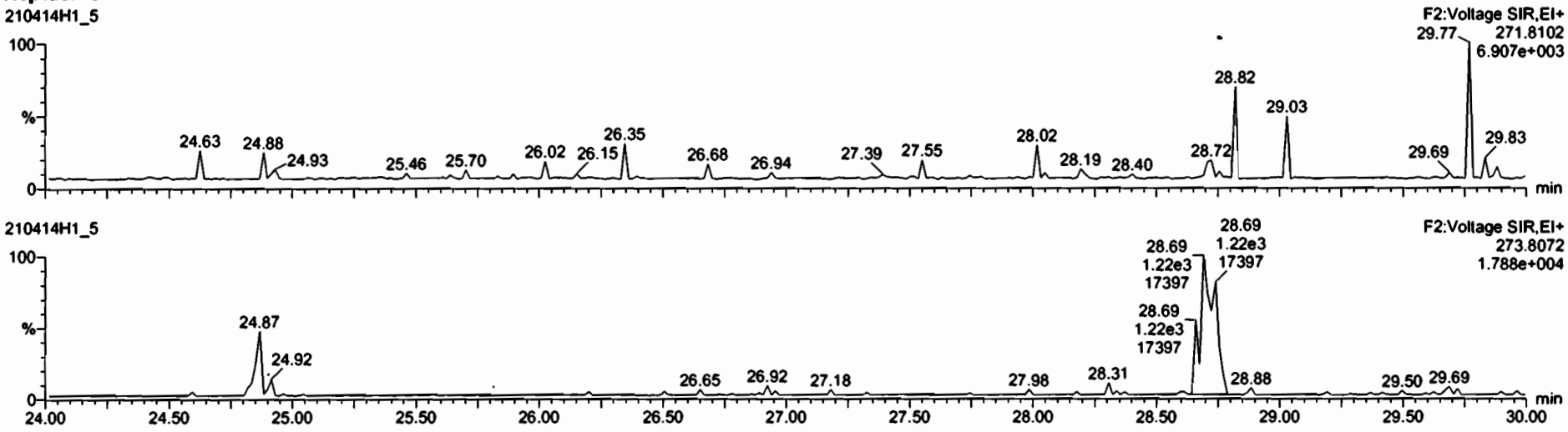
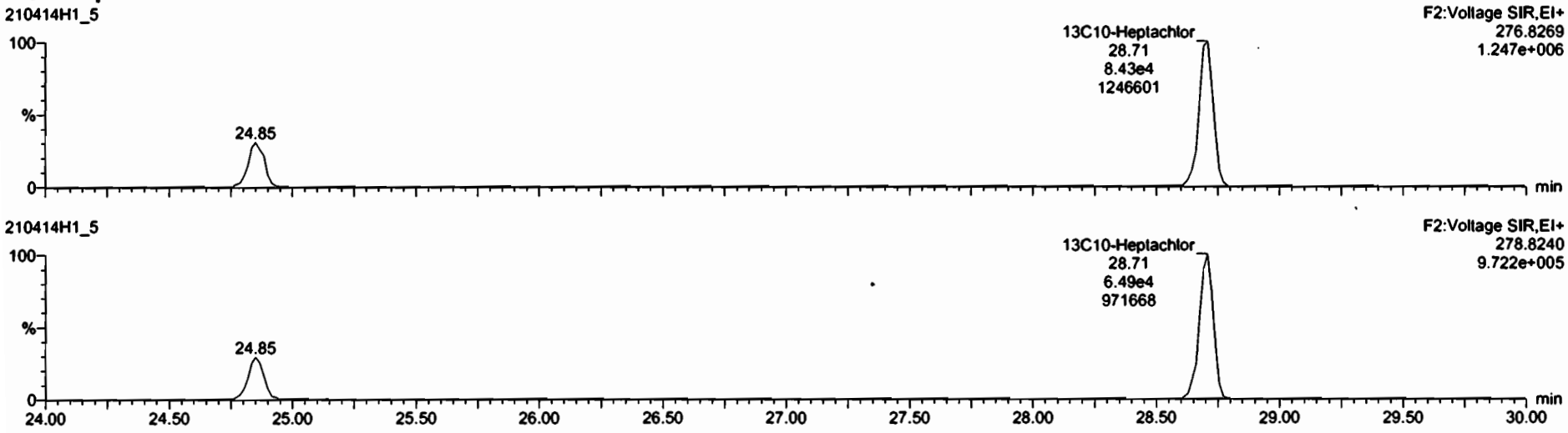
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_5, Date: 14-Apr-2021, Time: 13:03:34, ID: B1D0036-BLK1 Method Blank 1, Description: Method Blank

Heptachlor



13C10-Heptachlor

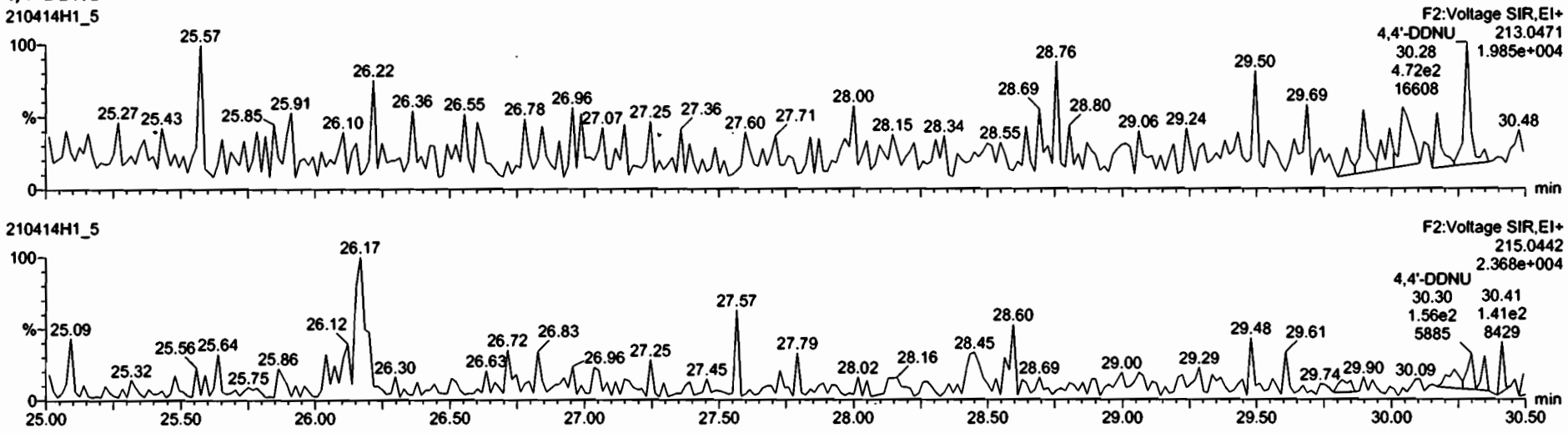


Dataset: Untitled

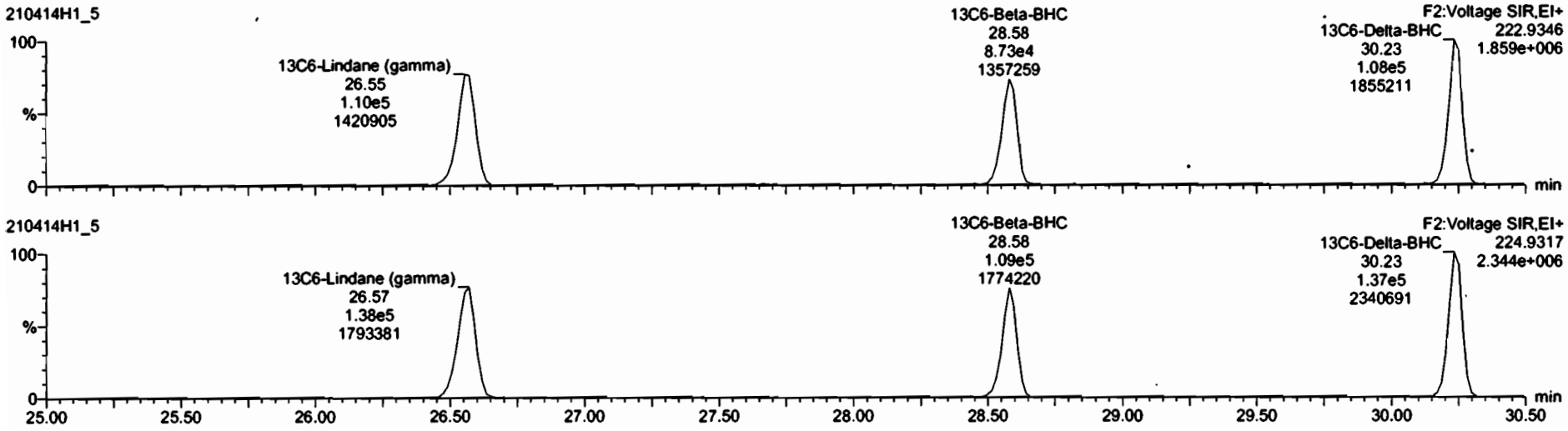
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_5, Date: 14-Apr-2021, Time: 13:03:34, ID: B1D0036-BLK1 Method Blank 1, Description: Method Blank

4,4'-DDNU



13C6-Delta-BHC

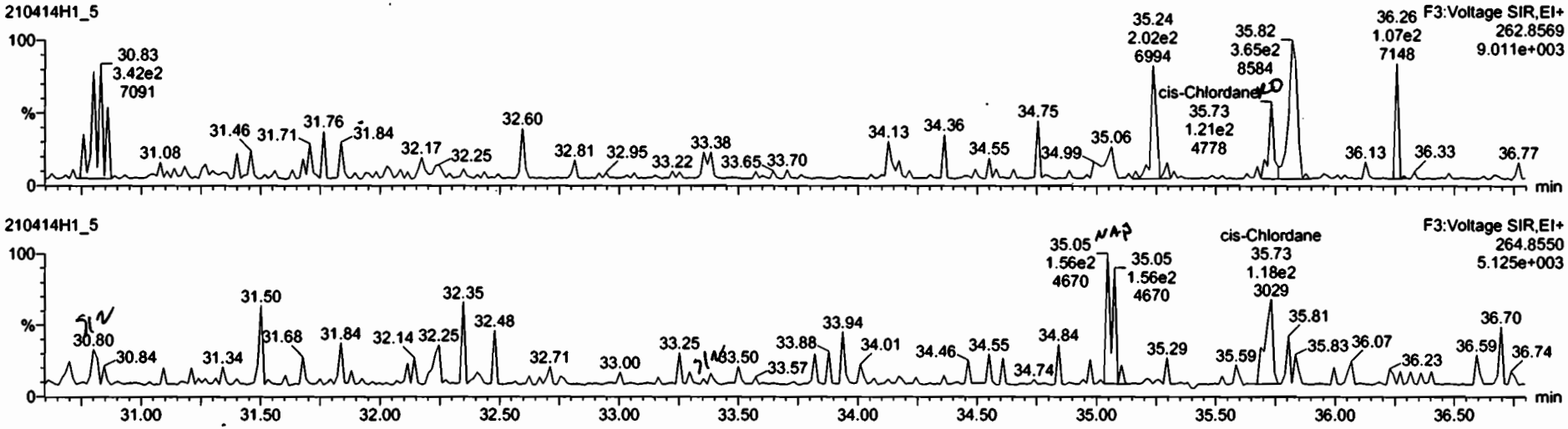


Dataset: Untitled

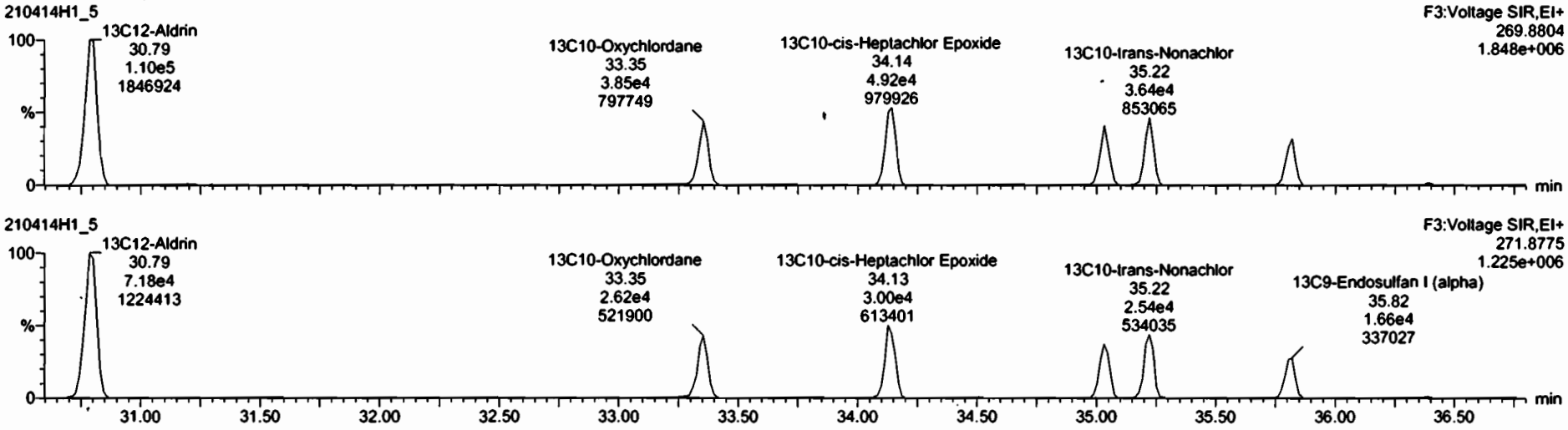
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

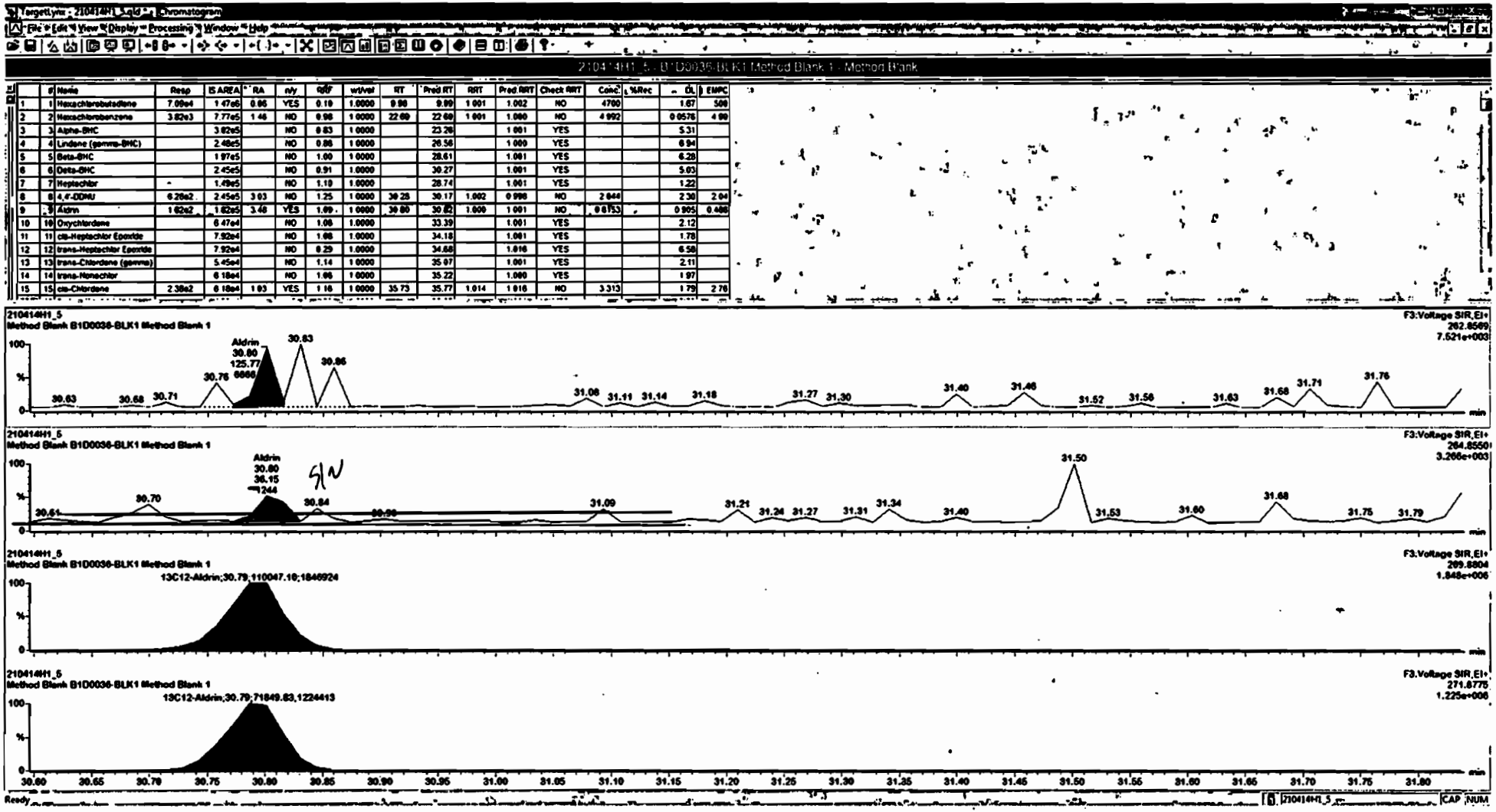
Name: 210414H1_5, Date: 14-Apr-2021, Time: 13:03:34, ID: B1D0036-BLK1 Method Blank 1, Description: Method Blank

Aldrin-EI

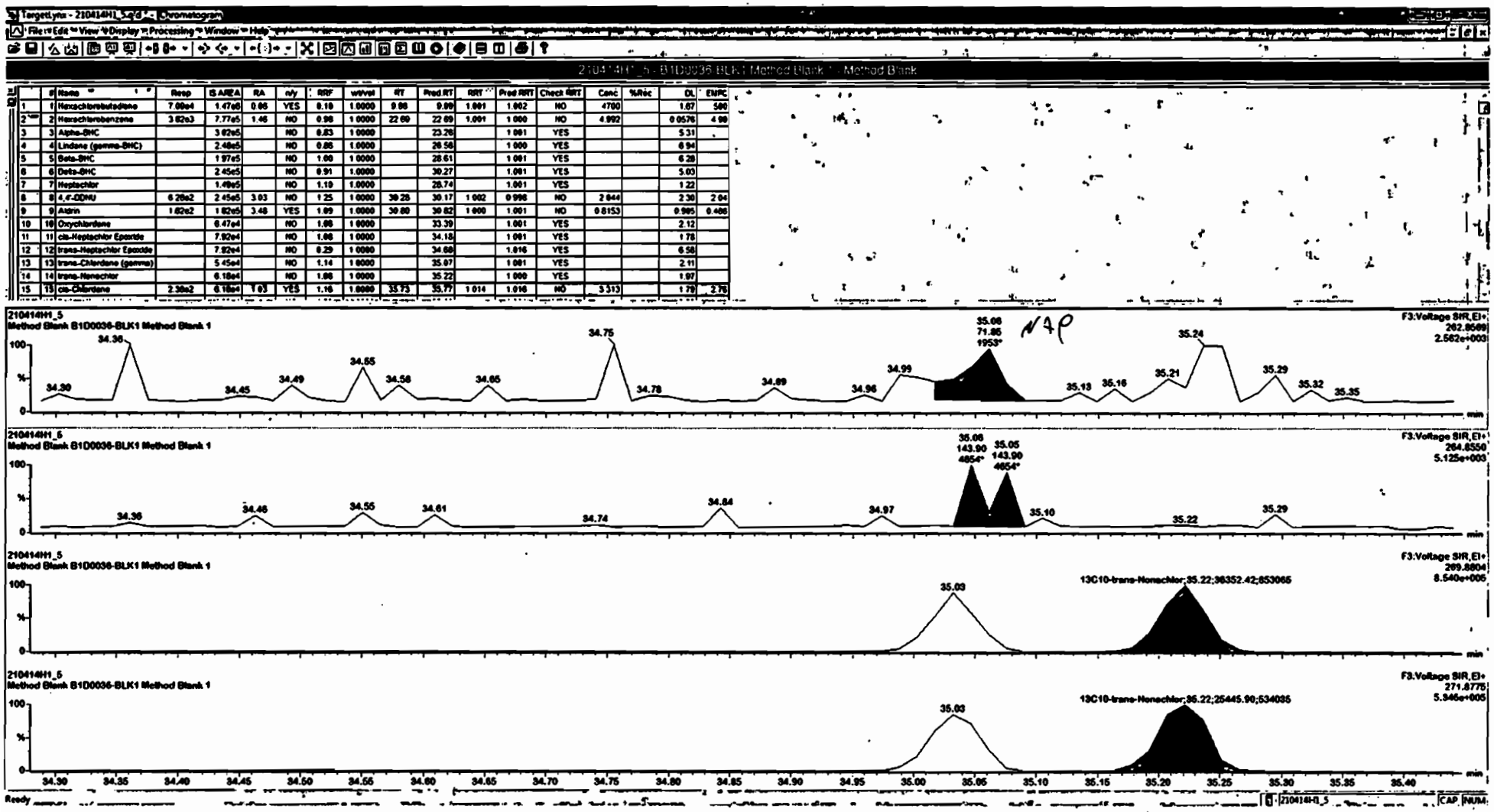


Aldrin-EI-isotopes

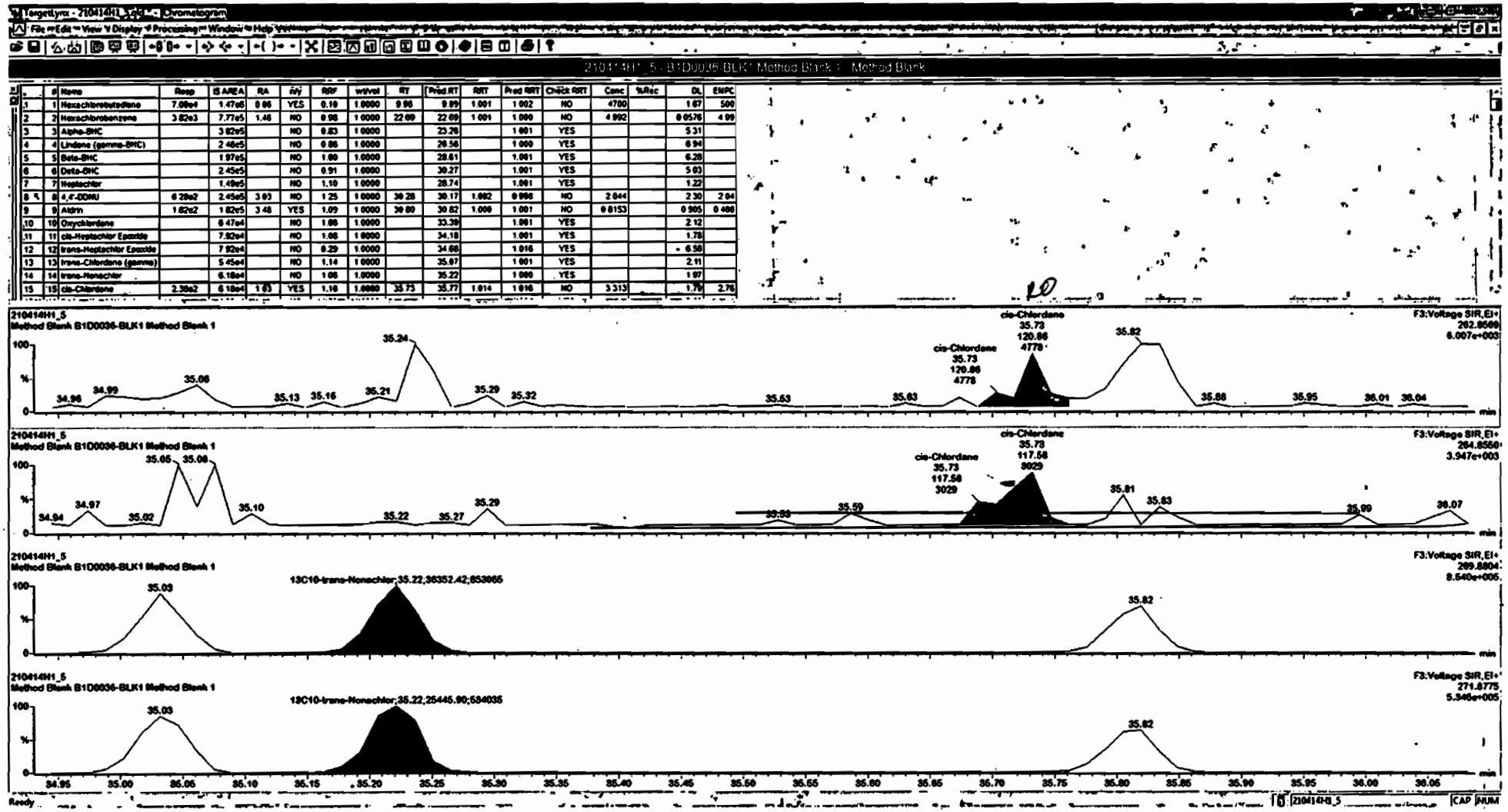




	#	Name	Resp	IS AREA	RA	n/y	qlty	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	OL	EMPC
1	1	Hexachlorobutadiene	7.09e4	1.47e6	0.86	YES	0.10	1.0000	9.98	9.99	1.001	1.002	NO	4700		1.67	508
2	2	Hexachlorobenzene	3.82e3	7.77e5	1.46	NO	0.98	1.0000	22.69	22.69	1.001	1.000	NO	4.992		0.0576	4.99
3	3	Alpha-BHC		3.82e5		NO	0.83	1.0000		23.28		1.001	YES			5.31	
4	4	Lindane (gamma-BHC)		2.48e5		NO	0.86	1.0000		26.56		1.000	YES			6.94	
5	5	Beta-BHC		1.97e5		NO	1.00	1.0000		28.61		1.001	YES			6.28	
6	6	Delta-BHC		2.45e5		NO	0.91	1.0000		30.27		1.001	YES			5.03	
7	7	Heptachlor	-	1.49e5		NO	1.10	1.0000		28.74		1.001	YES			1.22	
8	8	4,4'-DDMU	6.26e2	2.45e5	3.03	NO	1.25	1.0000	30.28	30.17	1.002	0.998	NO	2.644		2.38	2.64
9	9	Aldrin	1.62e2	1.82e5	3.48	YES	1.09	1.0000	30.80	30.82	1.000	1.001	NO	0.6153		0.905	0.486
10	10	Oxychlordane		6.47e4		NO	1.06	1.0000		33.39		1.001	YES			2.12	
11	11	cis-Heptachlor Epoxide		7.92e4		NO	1.06	1.0000		34.18		1.001	YES			1.78	
12	12	trans-Heptachlor Epoxide		7.92e4		NO	0.29	1.0000		34.68		1.016	YES			6.58	
13	13	trans-Chlordane (gamma)		5.45e4		NO	1.14	1.0000		35.07		1.001	YES			2.11	
14	14	trans-Nonachlor		6.18e4		NO	1.06	1.0000		35.22		1.000	YES			1.97	
15	15	cis-Chlordane	2.38e2	6.18e4	1.93	YES	1.16	1.0000	35.73	35.77	1.014	1.016	NO	3.313		1.79	2.76



	#	Name	Resp	S AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	ENRC
1	1	Hexachlorobutadiene	7.08e4	1.47e6	0.66	YES	0.10	1.0000	9.98	9.99	1.001	1.002	NO	4700		1.67	580
2	2	Hexachlorobenzene	3.82e3	7.77e5	1.46	NO	0.98	1.0000	22.09	22.09	1.001	1.000	NO	4.992		0.0576	4.99
3	3	Alpha-BHC		3.92e5		NO	0.83	1.0000		23.26		1.001	YES			5.31	
4	4	Lindane (gamma-BHC)		2.48e5		NO	0.86	1.0000		26.56		1.000	YES			6.94	
5	5	Beta-BHC		1.97e5		NO	1.00	1.0000		28.61		1.001	YES			6.28	
6	6	Delta-BHC		2.45e5		NO	0.91	1.0000		30.27		1.001	YES			5.03	
7	7	Heptachlor		1.49e5		NO	1.10	1.0000		26.74		1.001	YES			1.22	
8	8	4,4'-DDMU	6.26e2	2.45e5	3.03	NO	1.25	1.0000	30.28	30.17	1.002	0.996	NO	2.844		2.30	2.84
9	9	Atrin	1.62e2	1.82e5	3.48	YES	1.09	1.0000	39.80	39.82	1.000	1.001	NO	0.8153		0.995	0.466
10	10	Oxychlordane		6.47e4		NO	1.06	1.0000		33.39		1.001	YES			2.12	
11	11	cis-Heptachlor Epoxide		7.92e4		NO	1.06	1.0000		34.18		1.001	YES			1.78	
12	12	trans-Heptachlor Epoxide		7.92e4		NO	0.29	1.0000		34.68		1.016	YES			6.58	
13	13	trans-Chlordane (gamma)		5.45e4		NO	1.14	1.0000		35.07		1.001	YES			2.11	
14	14	trans-Nonachlor		6.18e4		NO	1.06	1.0000		35.22		1.000	YES			1.97	
15	15	cis-Chlordane	2.38e2	6.18e4	1.03	YES	1.16	1.0000	35.73	35.77	1.014	1.016	NO	3.313		1.78	2.76



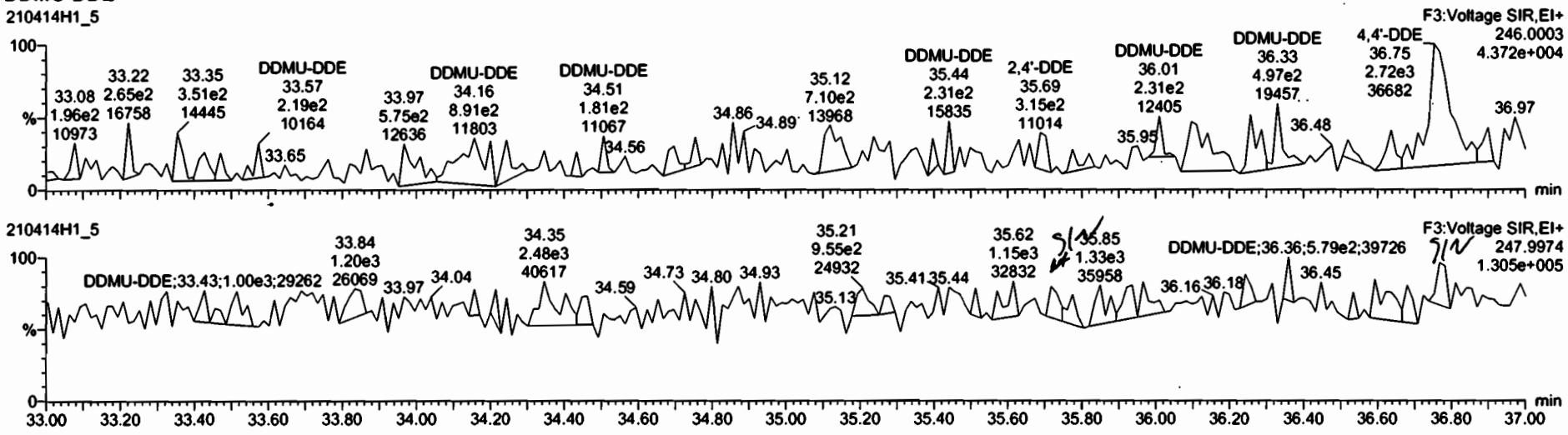
		Name	Resp	IS AREA	RA	rAV	RRF	wtVal	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
1	1	Hexachlorobutadiene	7.08e4	1.47e6	0.96	YES	0.10	1.0000	9.96	9.99	1.001	1.002	NO	4700		1.67	500
2	2	Hexachlorobenzene	3.82e3	7.77e5	1.46	NO	0.98	1.0000	22.09	22.09	1.001	1.000	NO	4.992		0.0576	4.99
3	3	Alpha-BHC		3.82e5		NO	0.83	1.0000		23.26		1.001	YES			5.31	
4	4	Lindane (gamma-BHC)		2.48e5		NO	0.86	1.0000		26.56		1.000	YES			8.94	
5	5	Beta-BHC		1.97e5		NO	1.00	1.0000		28.61		1.001	YES			6.28	
6	6	Delta-BHC		2.45e5		NO	0.91	1.0000		30.27		1.001	YES			5.03	
7	7	Heptachlor		1.49e5		NO	1.10	1.0000		28.74		1.001	YES			1.22	
8	8	4,4'-DDMU	6.28e2	2.45e5	3.03	NO	1.25	1.0000	30.28	30.17	1.002	0.998	NO	2.044		2.30	2.04
9	9	Aldrin	1.62e2	1.82e5	3.48	YES	1.09	1.0000	30.80	30.82	1.000	1.001	NO	0.8153		0.905	0.488
10	10	Oxychlordane		6.47e4		NO	1.06	1.0000		33.39		1.001	YES			2.12	
11	11	cis-Heptachlor Epoxide		7.92e4		NO	1.06	1.0000		34.18		1.001	YES			1.78	
12	12	trans-Heptachlor Epoxide		7.92e4		NO	0.29	1.0000		34.68		1.016	YES			6.58	
13	13	trans-Chlordane (gamma)		5.45e4		NO	1.14	1.0000		35.07		1.001	YES			2.11	
14	14	trans-Nonachlor		6.18e4		NO	1.06	1.0000		35.22		1.000	YES			1.97	
15	15	cis-Chlordane	2.39e2	6.18e4	1.03	YES	1.16	1.0000	35.73	35.77	1.014	1.016	NO	3.313		1.76	2.76

Dataset: Untitled

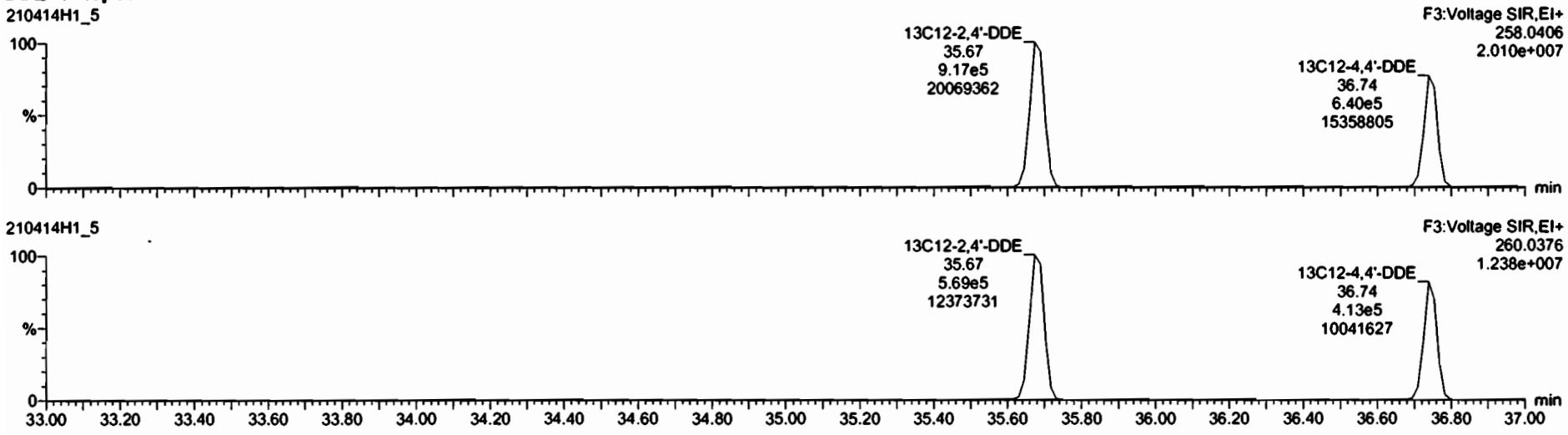
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_5, Date: 14-Apr-2021, Time: 13:03:34, ID: B1D0036-BLK1 Method Blank 1, Description: Method Blank

DDMU-DDE



DDE-isotopes



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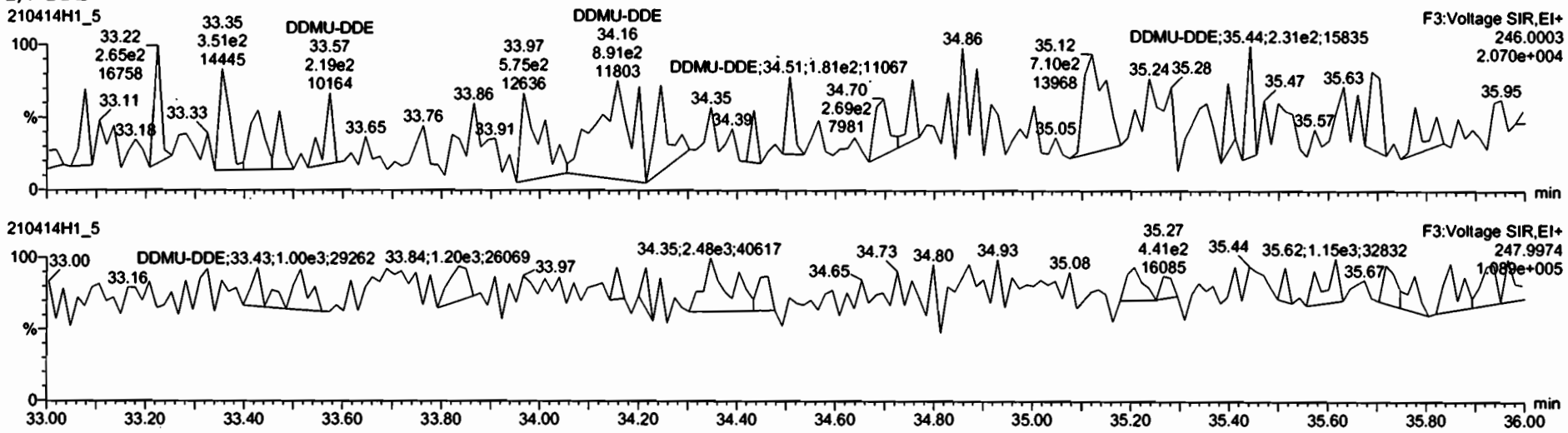
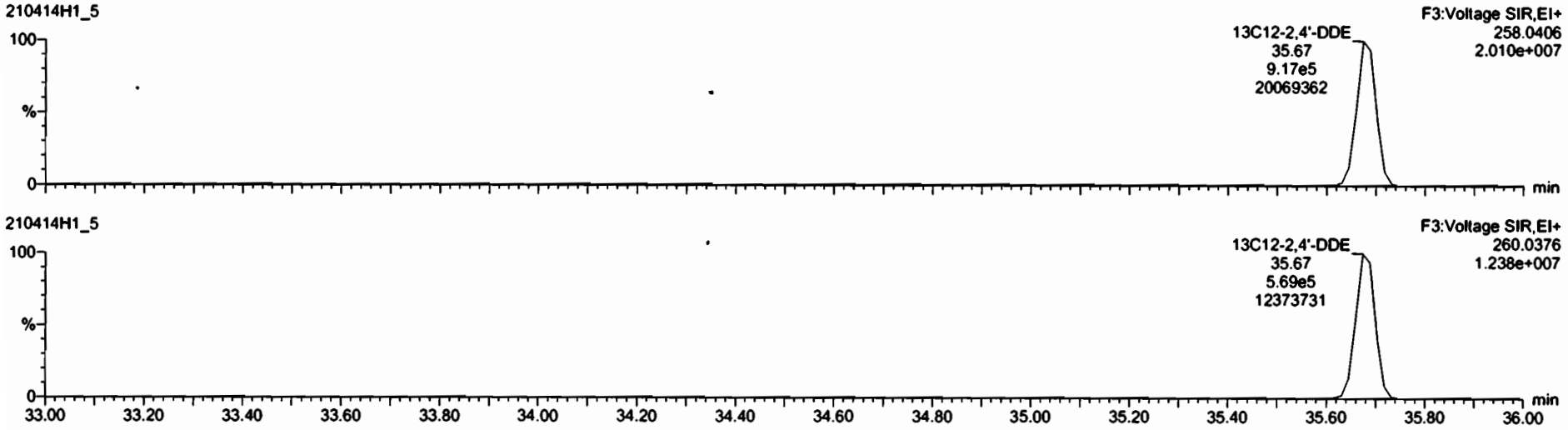
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_5, Date: 14-Apr-2021, Time: 13:03:34, ID: B1D0036-BLK1 Method Blank 1, Description: Method Blank

2,4'-DDE



13C12-2,4'-DDE



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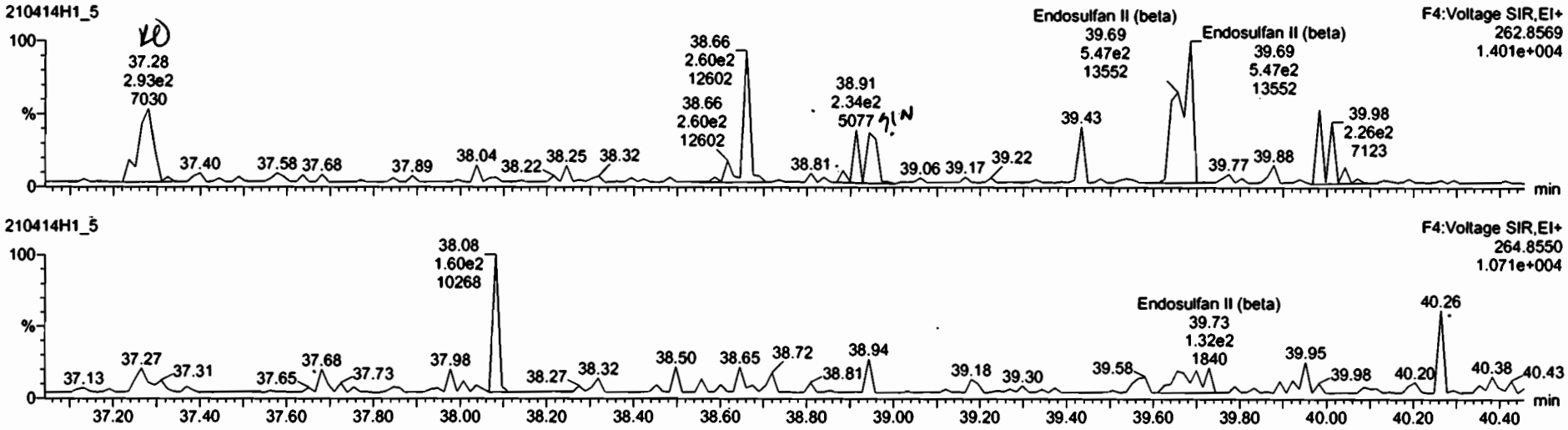
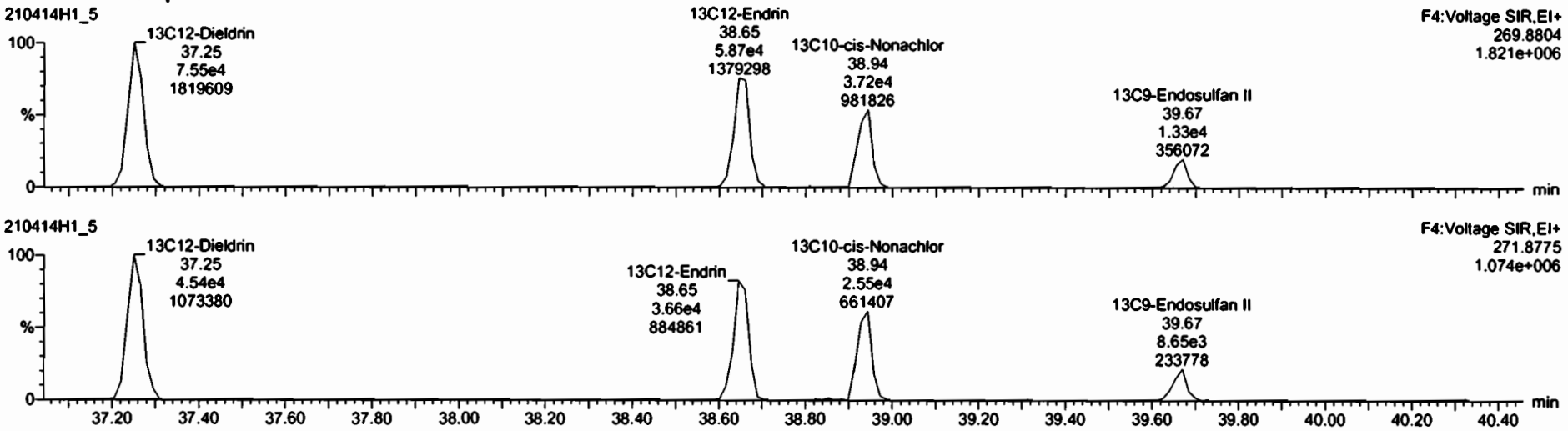
Name: 210414H1_5, Date: 14-Apr-2021, Time: 13:03:34, ID: B1D0036-BLK1 Method Blank 1, Description: Method Blank

Dieldrin-EII



Dieldrin-EII-isotopes

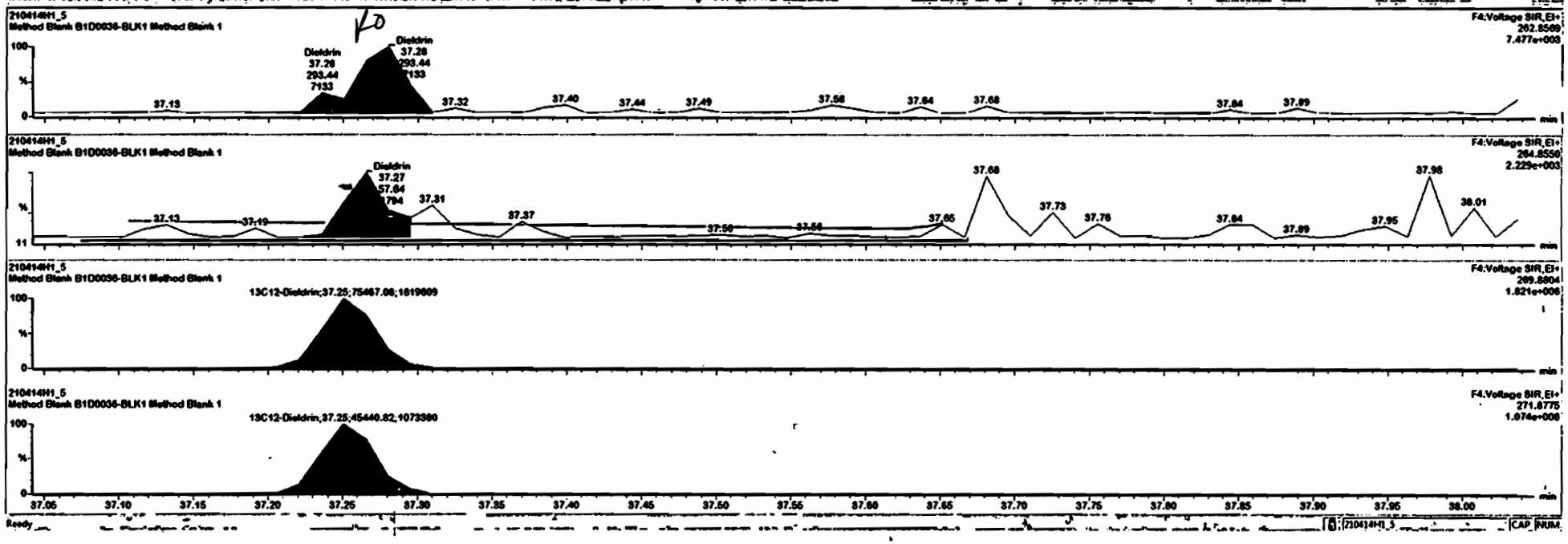


TargetLynx - 210414H1_5.qld - Chromatogram

File Edit View Display Processing Window Help

210414H1_5 B1D0036-BLK1 Method Blank 1 Method Blank

	#	Name	Resp	AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
8	8	4,4'-DDNU	6.28e2	2.45e5	3.03	NO	1.25	1.0000	30.28	30.17	1.002	0.998	NO	2.044		2.30	2.04
9	9	Aldrin	1.62e2	1.82e5	3.48	YES	1.00	1.0000	30.80	30.82	1.000	1.001	NO	0.8153		0.905	0.486
10	10	Oxychlordane		6.47e4		NO	1.08	1.0000		33.39		1.001	YES			2.12	
11	11	cis-Heptachlor Epoxide		7.92e4		NO	1.08	1.0000		34.18		1.001	YES			1.78	
12	12	trans-Heptachlor Epoxide		7.92e4		NO	0.29	1.0000		34.68		1.016	YES			6.58	
13	13	trans-Chlordane (gamma)		5.45e4		NO	1.14	1.0000		35.07		1.001	YES			2.11	
14	14	trans-Nonachlor		6.18e4		NO	1.06	1.0000		35.22		1.000	YES			1.97	
15	15	cis-Chlordane	2.38e2	6.18e4	1.03	YES	1.16	1.0000	35.73	35.77	1.014	1.016	NO	3.313		1.79	2.76
16	16	Endosulfan I (alpha)		4.33e4		NO	1.23	1.0000		35.85		1.001	YES			2.59	
17	17	4,4'-DDMU	4.68e2	1.49e6	2.12	YES		1.0000	35.59	35.46	0.998	0.994	NO	0.7647		0.758	0.686
18	18	2,4'-DDE		1.49e6	0.00	YES	1.02	1.0000		35.67		1.000	NO			1.41	
19	19	4,4'-DDE		1.05e6		NO	1.04	1.0000		36.74		1.000	YES			1.79	
20	20	Dieldrin	3.51e2	1.21e5	5.09	YES	1.03	1.0000	37.28	37.29	1.001	1.001	NO	2.820		1.72	1.19
21	21	Endrin		9.52e4		NO	1.01	1.0000		38.68		1.001	YES			2.29	
22	22	cis-Nonachlor		6.27e4		NO	1.00	1.0000		38.94		1.000	YES			3.12	

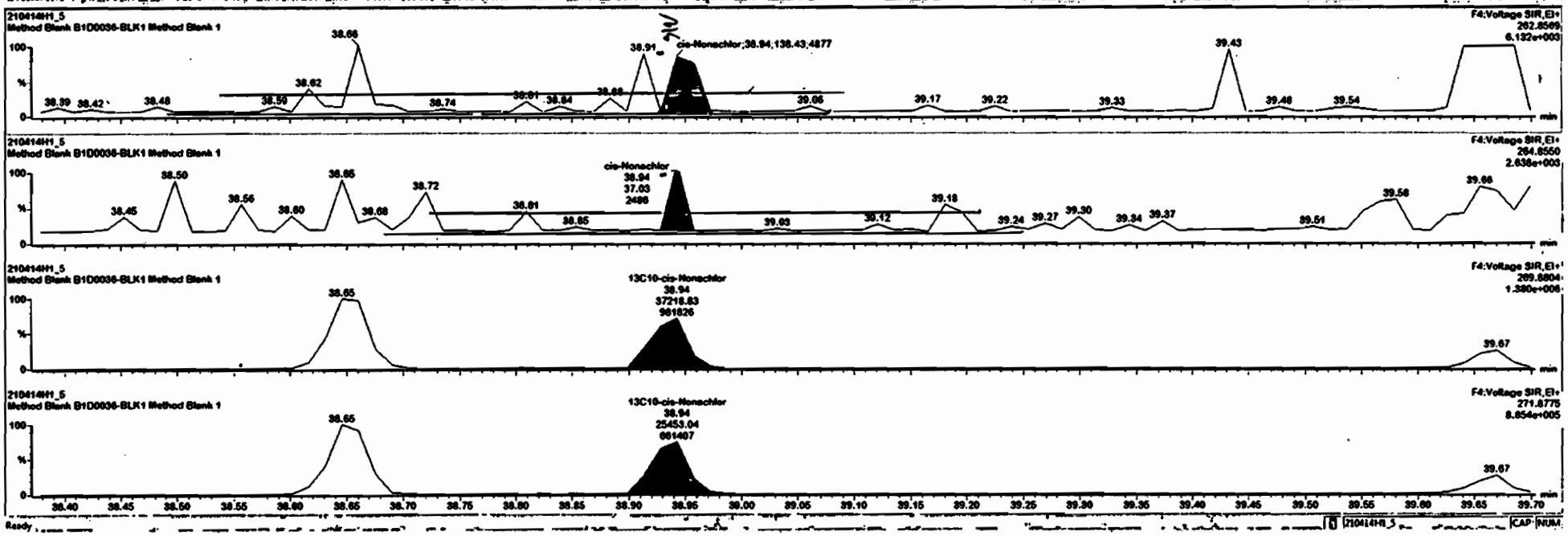


TargetLynx - 210414H1_5.qld - Chromatogram

File Edit View Display Processing Window Help

210414H1_5 - B1D0036-BLK1 Method Blank 1 - Method Blank

	#	Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
8	8	4,4'-DDMU	6.28e2	2.45e5	3.03	NO	1.25	1.0000	30.28	30.17	1.002	0.998	NO	2.044		2.30	2.04
9	9	Aldrin	1.62e2	1.82e5	3.48	YES	1.09	1.0000	30.80	30.82	1.000	1.001	NO	0.8153		0.905	0.466
10	10	Oxychlordane		6.47e4		NO	1.06	1.0000		33.39		1.001	YES	-		2.12	
11	11	cis-Heptachlor Epoxide		7.92e4		NO	1.08	1.0000		34.18		1.001	YES			1.78	
12	12	trans-Heptachlor Epoxide		7.92e4		NO	0.29	1.0000		34.68		1.016	YES			6.58	
13	13	trans-Chlordane (gamma)		5.45e4		NO	1.14	1.0000		35.07		1.001	YES			2.11	
14	14	trans-Nonachlor		6.18e4		NO	1.06	1.0000		35.22		1.000	YES			1.97	
15	15	cis-Chlordane	2.38e2	6.18e4	1.03	YES	1.16	1.0000	35.73	35.77	1.014	1.016	NO	3.313		1.79	2.76
16	16	Endosulfan I (alpha)		4.33e4		NO	1.23	1.0000		35.85		1.001	YES			2.59	
17	17	4,4'-DDMU	4.68e2	1.49e6	2.12	YES		1.0000	35.59	35.46	0.998	0.994	NO	0.7647		0.758	0.686
18	18	2,4'-DDE		1.49e6	0.00	YES	1.02	1.0000		35.67		1.000	NO			1.41	
19	19	4,4'-DDE		1.05e6		NO	1.04	1.0000		36.74		1.000	YES			1.79	
20	20	Dieldrin	3.51e2	1.21e5	5.09	YES	1.03	1.0000	37.28	37.29	1.001	1.001	NO	2.820		1.72	1.19
21	21	Endrin		9.52e4		NO	1.01	1.0000		38.68		1.001	YES			2.29	
22	22	cis-Nonachlor	1.75e2	6.27e4	3.74	YES	1.00	1.0000	38.94	38.94	1.000	1.000	NO	2.798		3.12	1.51



Ready 210414H1_5 CAP NUM

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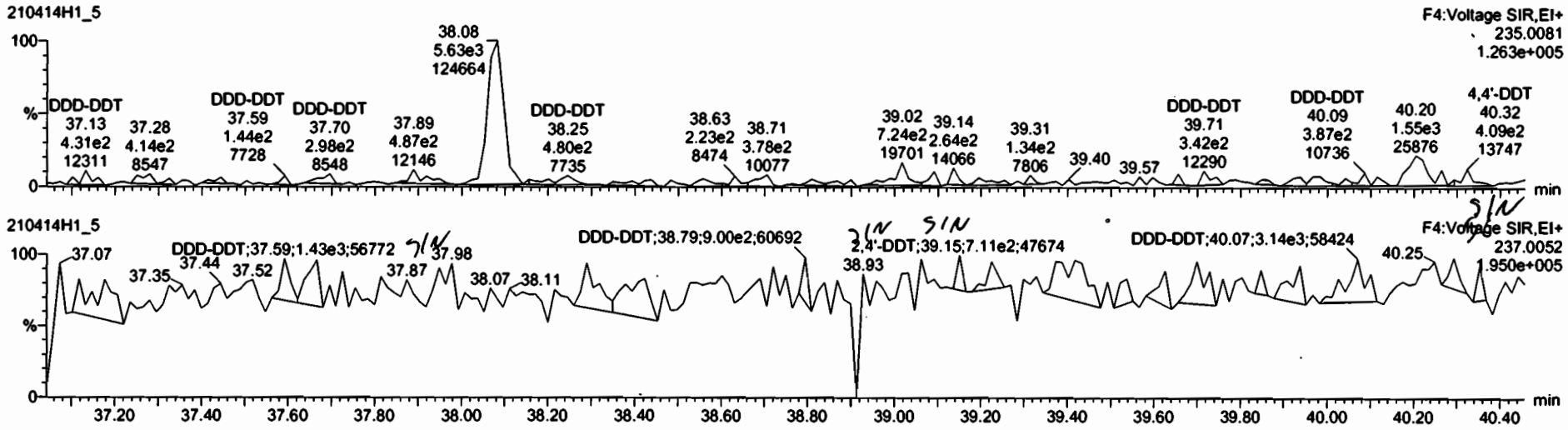
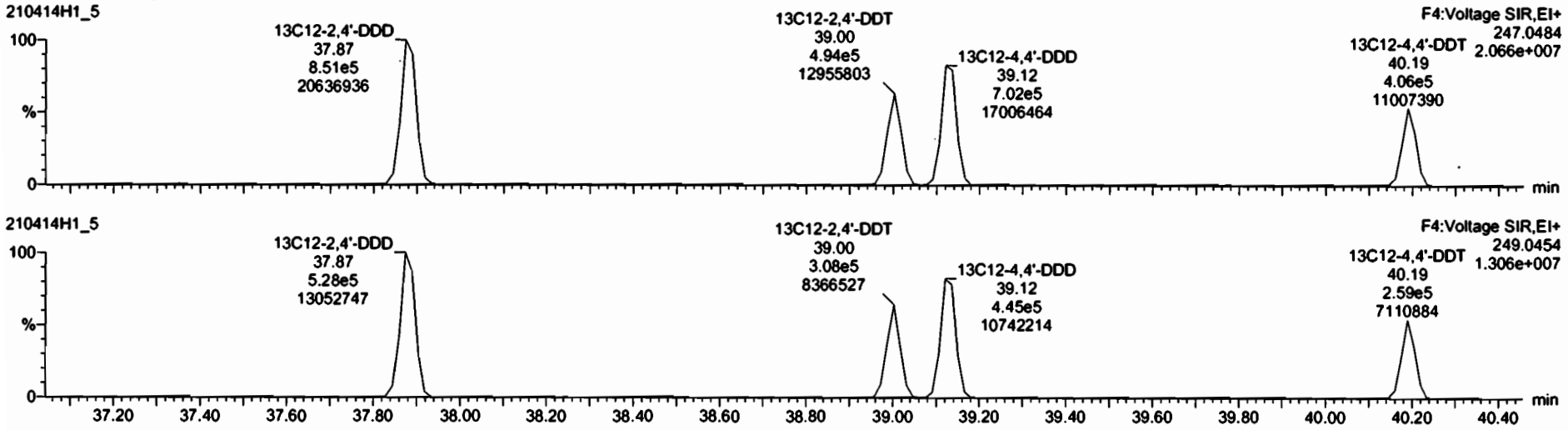
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_5, Date: 14-Apr-2021, Time: 13:03:34, ID: B1D0036-BLK1 Method Blank 1, Description: Method Blank

DDD-DDT



DDD-DDT-isotopes



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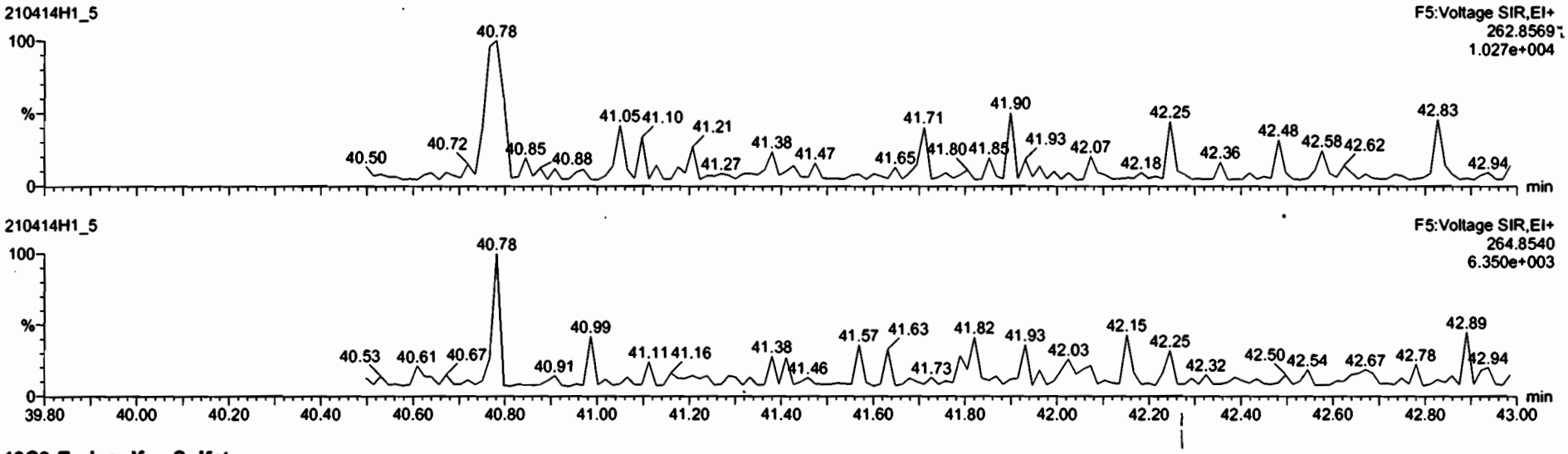
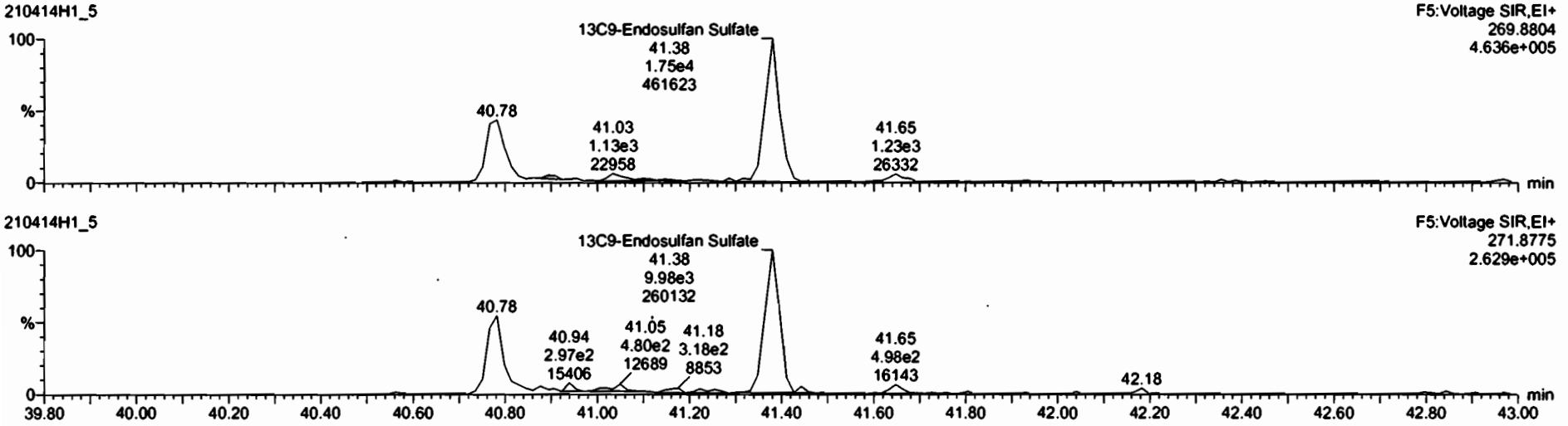
Name: 210414H1_5, Date: 14-Apr-2021, Time: 13:03:34, ID: B1D0036-BLK1 Method Blank 1, Description: Method Blank

Endosulfan Sulfate



13C9-Endosulfan Sulfate



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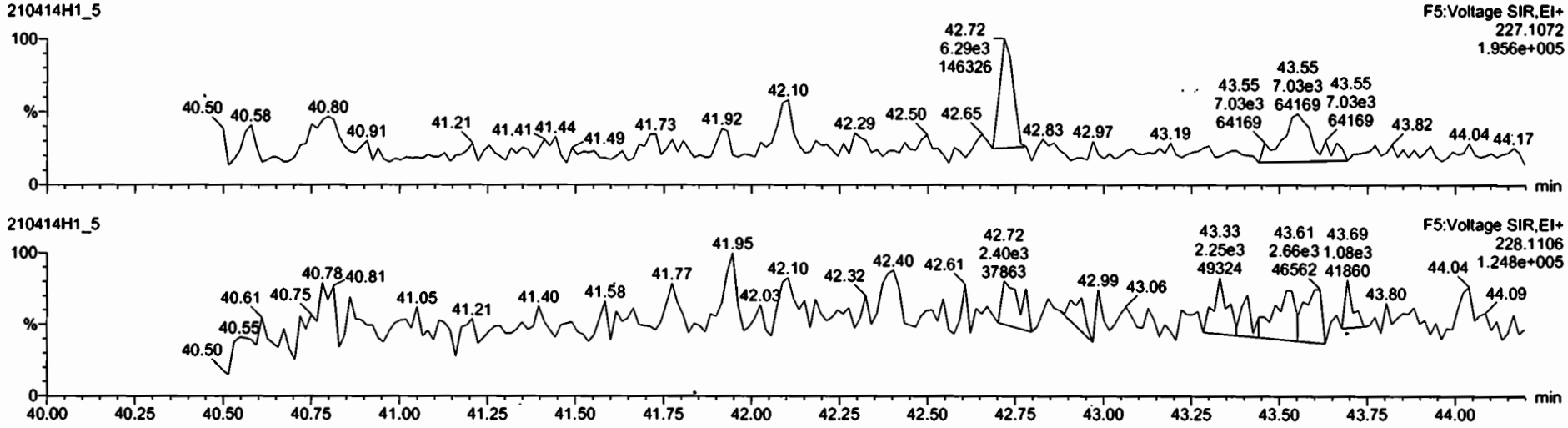
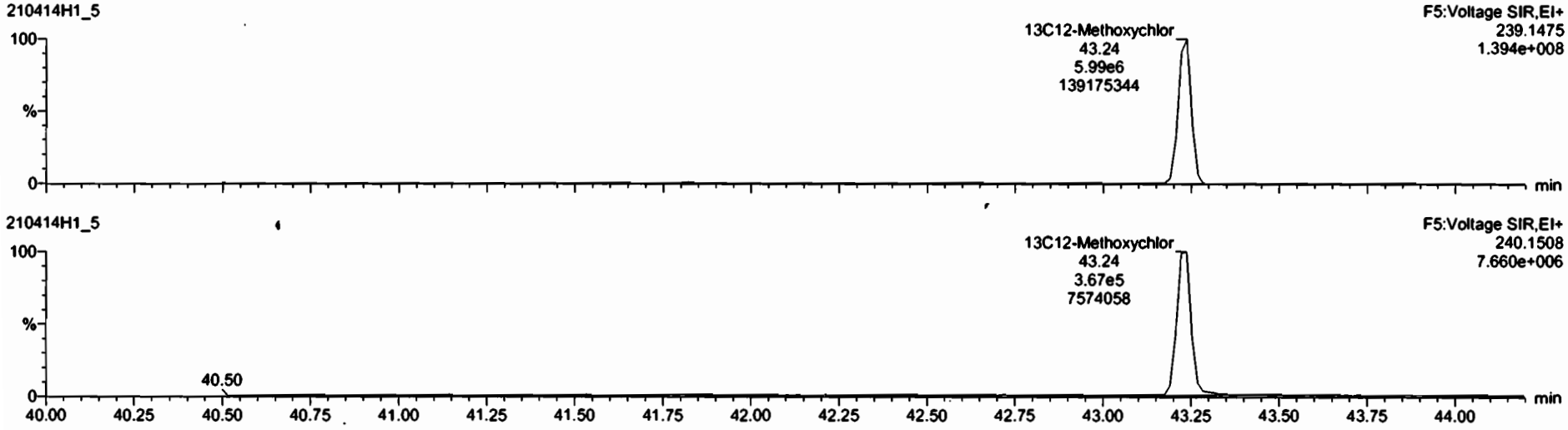
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_5, Date: 14-Apr-2021, Time: 13:03:34, ID: B1D0036-BLK1 Method Blank 1, Description: Method Blank

4,4'-Methoxychlor



13C12-Methoxychlor



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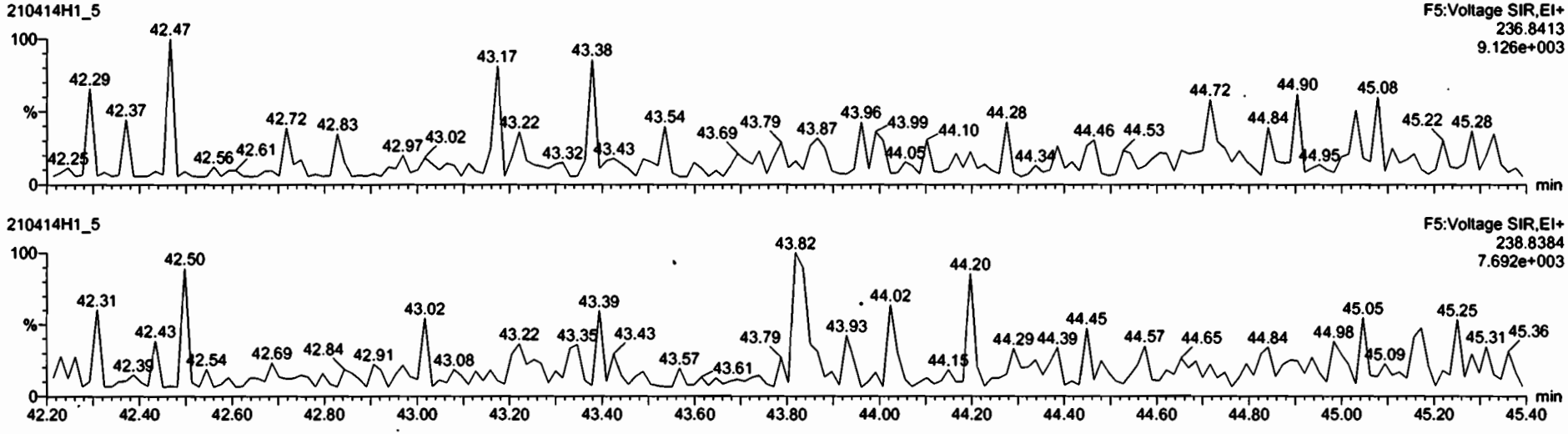
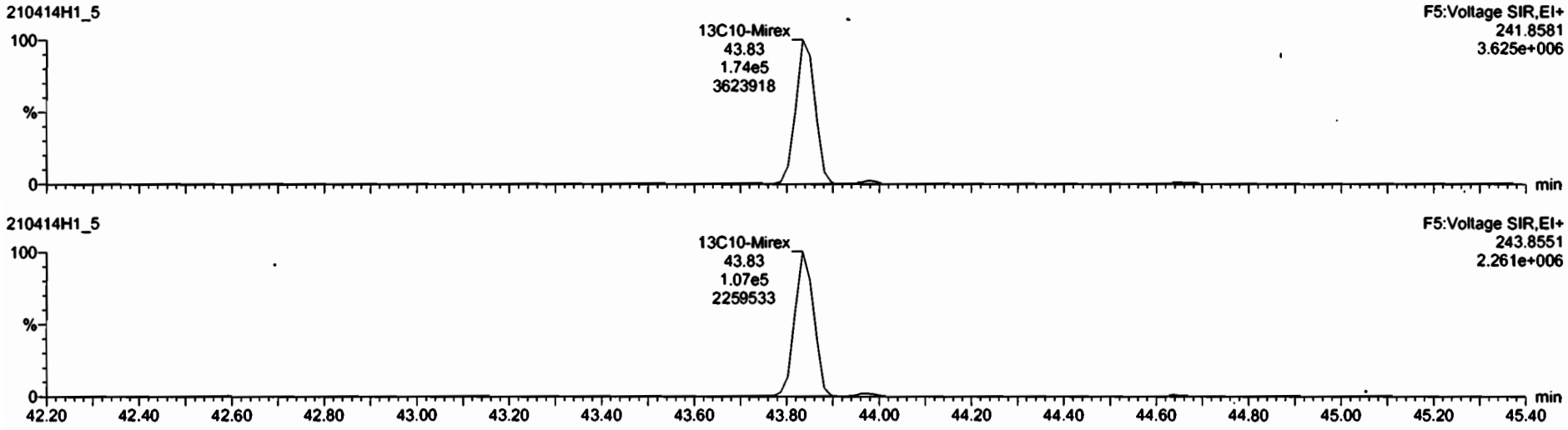
Name: 210414H1_5, Date: 14-Apr-2021, Time: 13:03:34, ID: B1D0036-BLK1 Method Blank 1, Description: Method Blank

Mirex



13C10-Mirex



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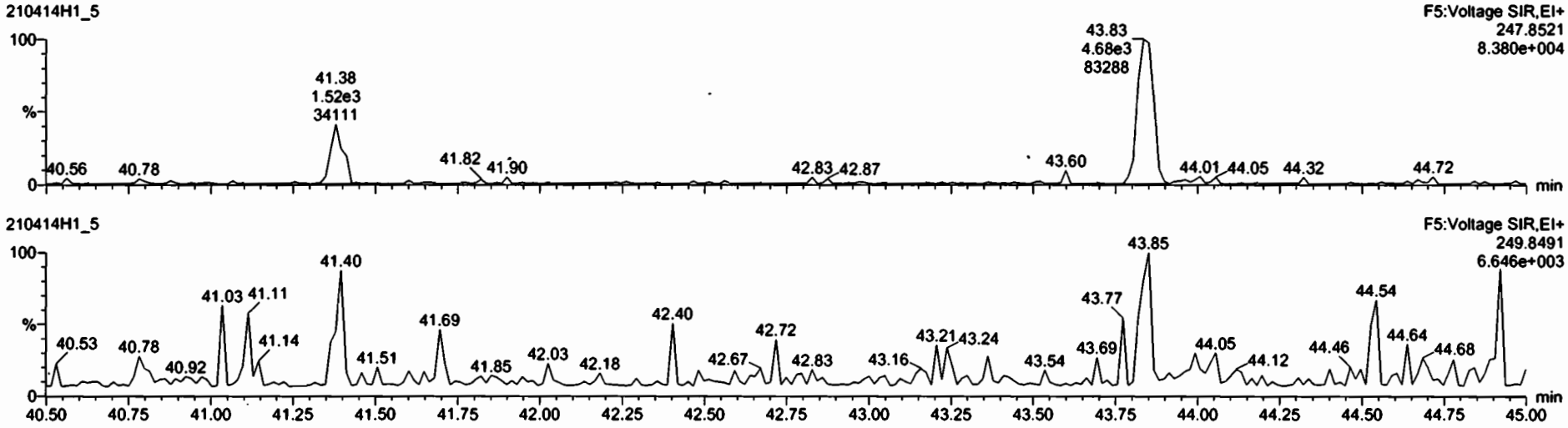
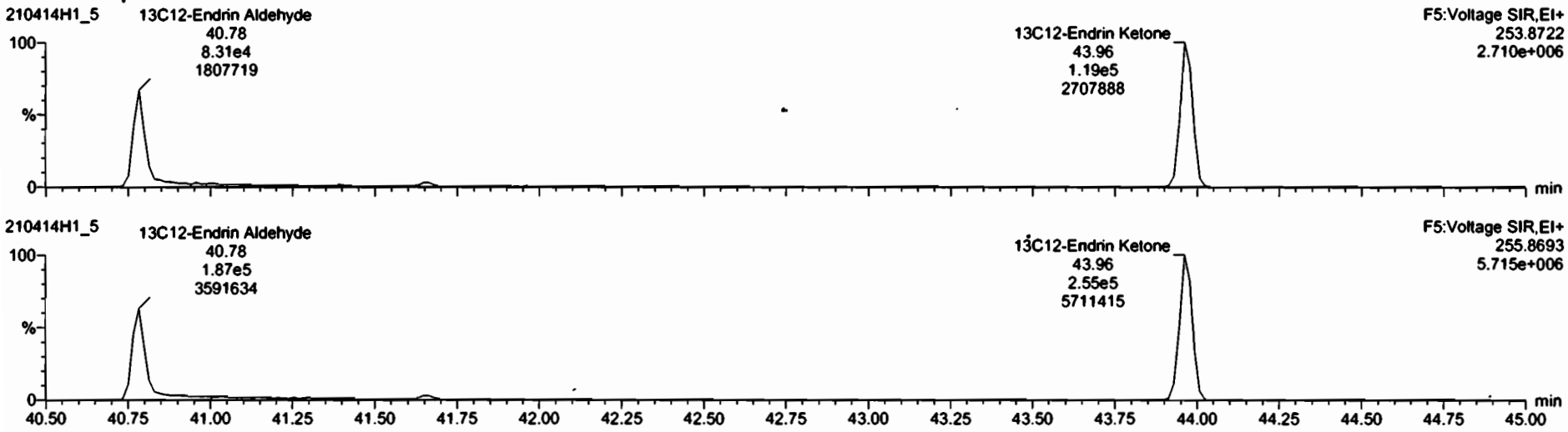
EA-EK



EA-EK-isotopes



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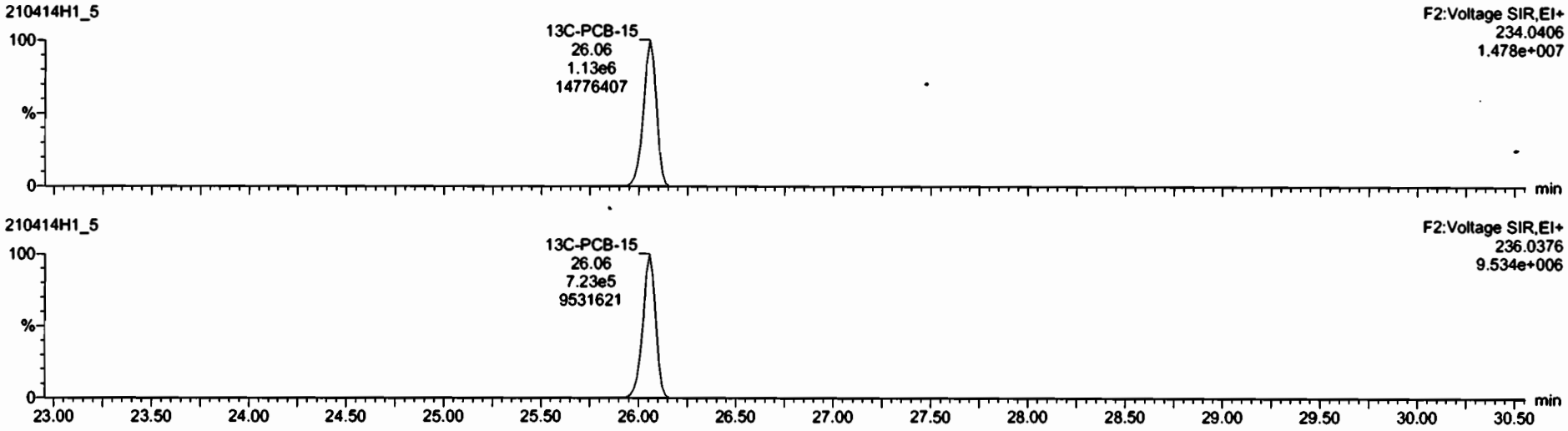
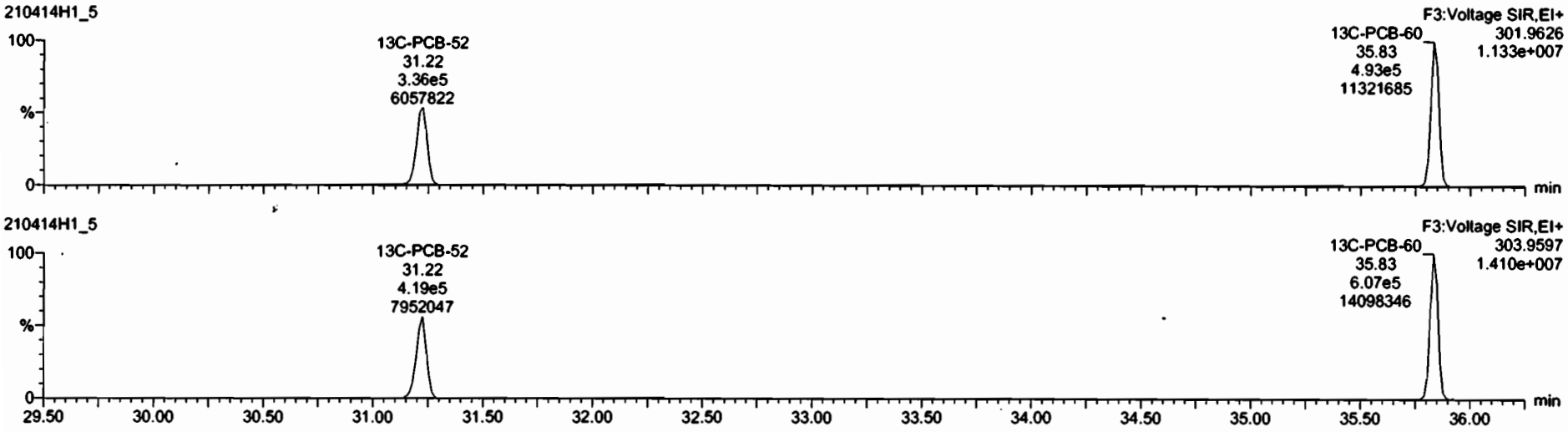
Name: 210414H1_5, Date: 14-Apr-2021, Time: 13:03:34, ID: B1D0036-BLK1 Method Blank 1, Description: Method Blank

13C-PCB-15



13C-PCB-60

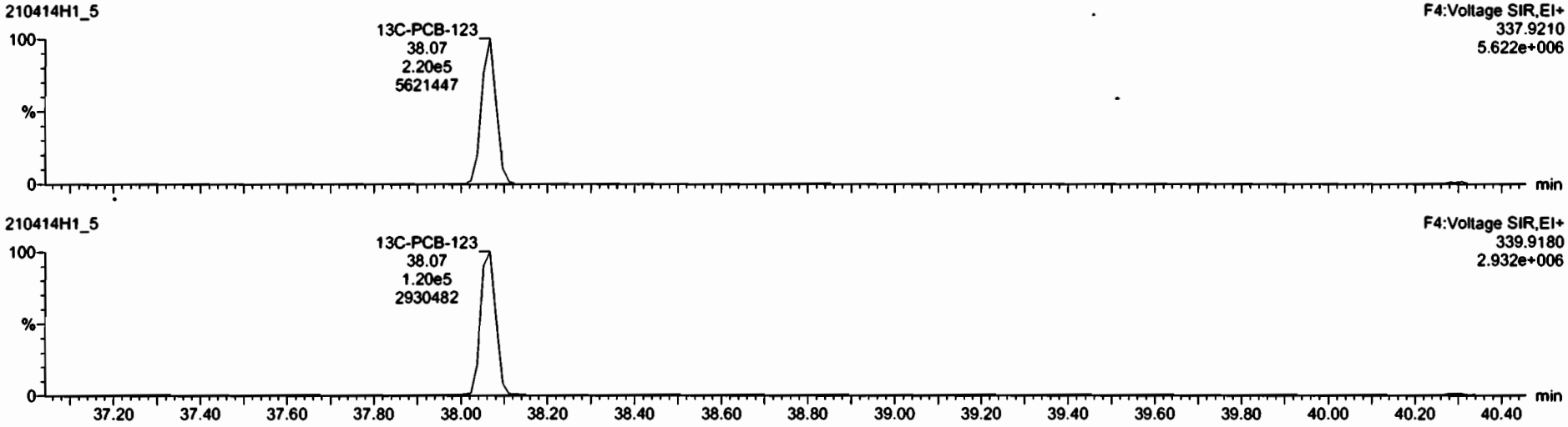


Dataset: Untitled

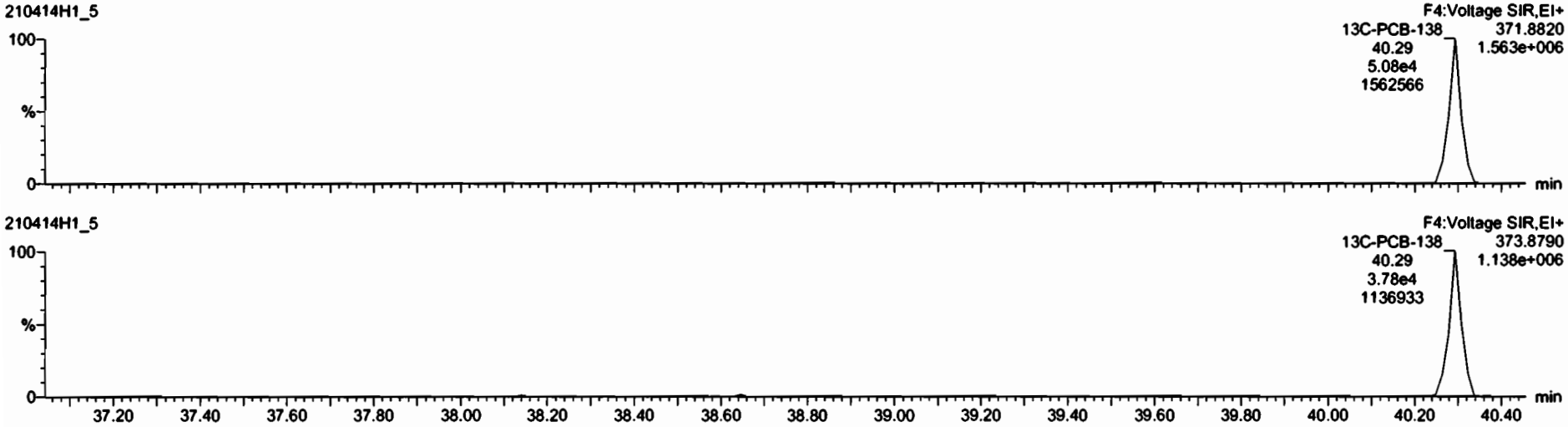
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_5, Date: 14-Apr-2021, Time: 13:03:34, ID: B1D0036-BLK1 Method Blank 1, Description: Method Blank

13C-PCB-123



13C-PCB-138



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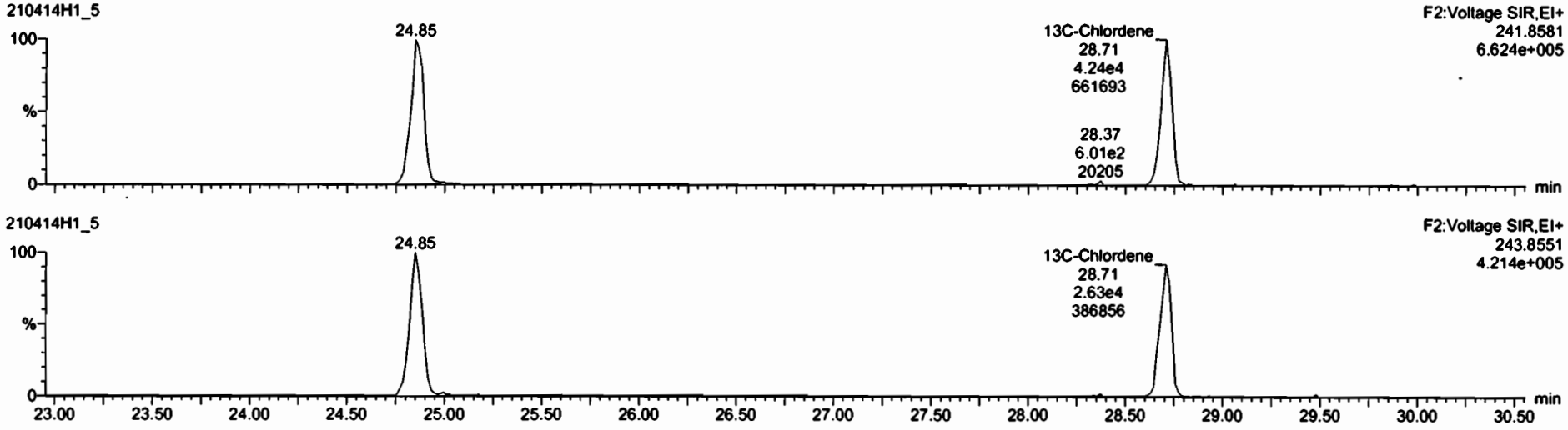
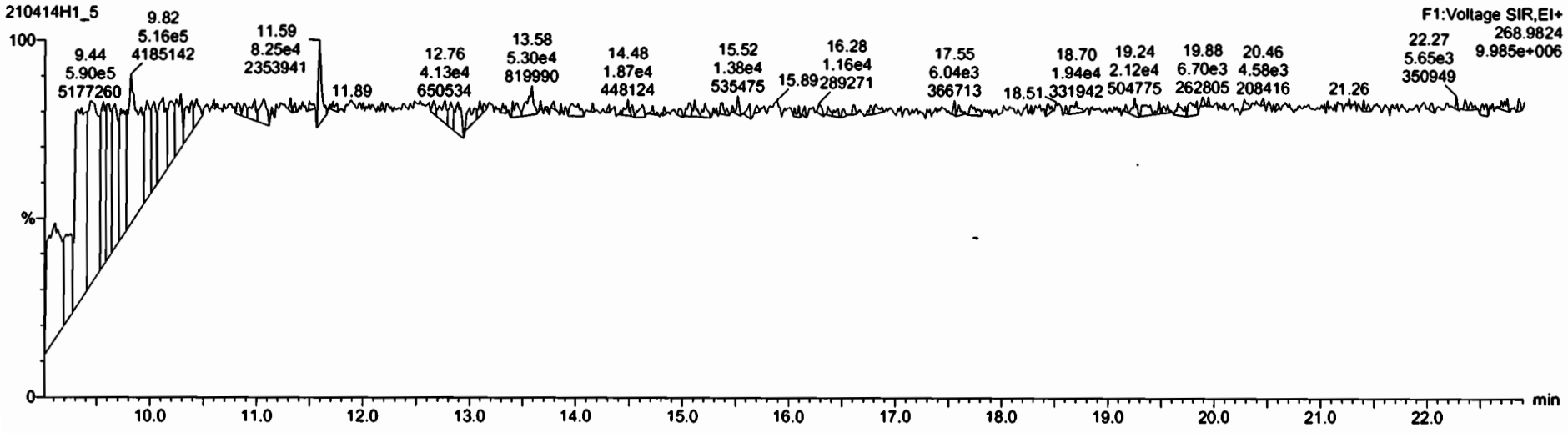
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_5, Date: 14-Apr-2021, Time: 13:03:34, ID: B1D0036-BLK1 Method Blank 1, Description: Method Blank

13C-Chlordene



PFK1

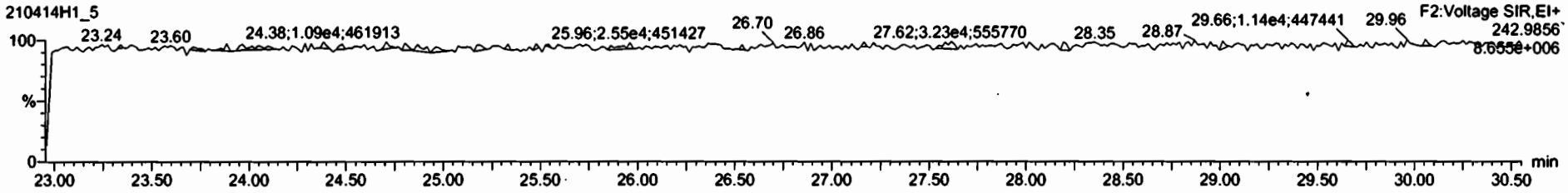


Dataset: Untitled

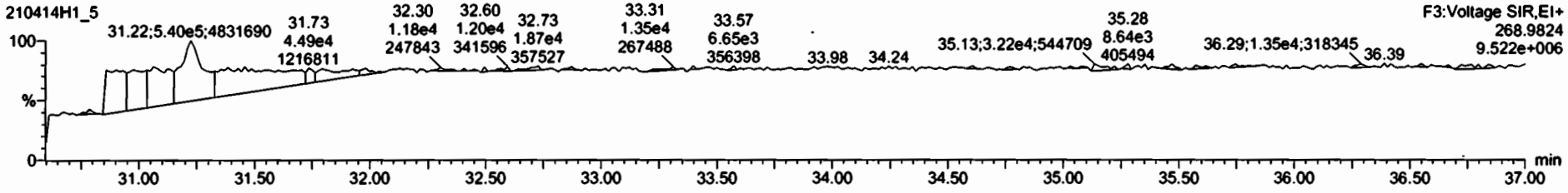
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_5, Date: 14-Apr-2021, Time: 13:03:34, ID: B1D0036-BLK1 Method Blank 1, Description: Method Blank

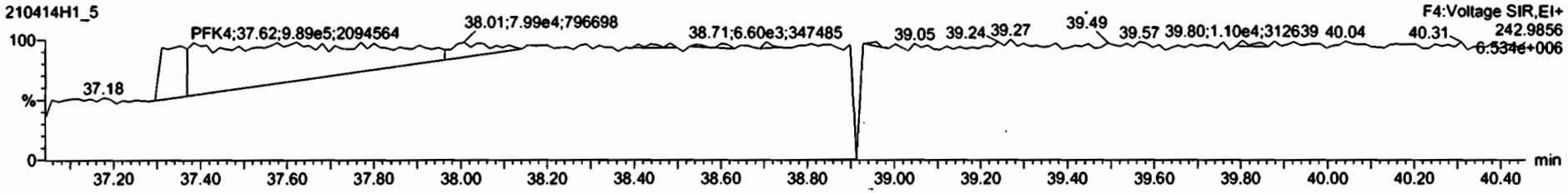
PFK2



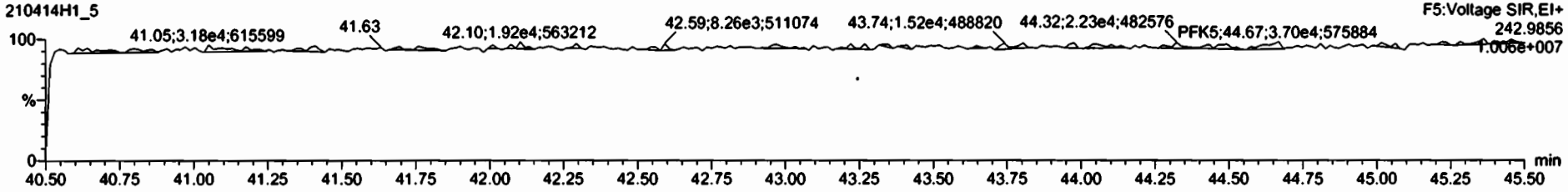
PFK3



PFK4



PFK5



Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_3.qld

Last Altered: Thursday, April 15, 2021 16:58:09 Pacific Daylight Time
Printed: Thursday, April 15, 2021 17:20:43 Pacific Daylight Time

06 04/28/21
DF04/13/21 C105/03/2021

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_3, Date: 14-Apr-2021, Time: 11:28:28, ID: B1D0036-BS1 OPR 1, Description: OPR, Task: ST210414H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	4	Lindane (gamma-...	2.21e5	2.65e5	2.04	NO	0.860	1.000	26.59	1.001	1.000	NO	967.99		8.10	968
2	9	Aldrin	2.35e5	2.14e5	1.63	NO	1.09	1.000	30.83	1.001	1.001	NO	1003.3		0.851	1000
3	10	Oxychlordane	7.07e4	6.72e4	1.68	NO	1.06	1.000	33.40	1.001	1.001	NO	991.56		2.60	992
4	13	trans-Chlordane (g...	6.91e4	5.58e4	1.50	NO	1.14	1.000	35.06	1.001	1.001	NO	1089.8		2.63	1090
5	14	trans-Nonachlor	6.90e4	6.73e4	1.60	NO	1.06	1.000	35.25	1.001	1.000	NO	968.44		2.24	968
6	15	cis-Chlordane	7.44e4	6.73e4	1.50	NO	1.16	1.000	35.73	1.015	1.016	NO	949.63		2.03	950
7	18	2,4'-DDE	1.54e6	1.60e6	1.49	NO	1.02	1.000	35.70	1.000	1.000	NO	941.88		1.36	942
8	19	4,4'-DDE	1.15e6	1.17e6	1.48	NO	1.04	1.000	36.77	1.000	1.000	NO	947.90		1.67	948
9	20	Dieldrin	1.40e5	1.26e5	1.60	NO	1.03	1.000	37.28	1.000	1.001	NO	1073.3		1.71	1070
10	22	cis-Nonachlor	8.04e4	7.63e4	1.60	NO	1.00	1.000	38.96	1.000	1.000	NO	1053.2		2.86	1050

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_3.qld

Last Altered: Thursday, April 15, 2021 16:58:09 Pacific Daylight Time
Printed: Thursday, April 15, 2021 17:20:55 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_3, Date: 14-Apr-2021, Time: 11:28:28, ID: B1D0036-BS1 OPR 1, Description: OPR, Task: ST210414H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	24	2,4'-DDD	1.64e6	1.52e6	1.60	NO	1.07	1.000	37.90	1.000	1.000	NO	1017.5		2.04	1020
2	25	2,4'-DDT	1.07e6	9.38e5	1.64	NO	1.05	1.000	39.02	1.000	1.000	NO	1087.0		3.74	1090
3	26	4,4'-DDD	1.54e6	1.32e6	1.64	NO	1.16	1.000	39.15	1.000	1.000	NO	1002.0		2.02	1000
4	27	4,4'-DDT	9.73e5	8.21e5	1.63	NO	1.13	1.000	40.22	1.000	1.001	NO	1046.9		3.65	1050
5	36	13C6-Lindane (ga...	2.65e5	1.85e6	0.78	NO	0.194	1.000	26.55	1.019	1.019	NO	740.01	74.0	3.42	
6	40	13C12-Aldrin	2.14e5	1.85e6	1.58	NO	0.154	1.000	30.80	1.182	1.181	NO	751.79	75.2	1.39	
7	41	13C10-Oxychlorda...	6.72e4	1.85e6	1.44	NO	0.0404	1.000	33.35	1.280	1.280	NO	898.32	89.8	5.29	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_3.qld

Last Altered: Thursday, April 15, 2021 16:58:09 Pacific Daylight Time
Printed: Thursday, April 15, 2021 17:21:04 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_3, Date: 14-Apr-2021, Time: 11:28:28, ID: B1D0036-BS1 OPR 1, Description: OPR, Task: ST210414H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	43	13C10-trans-Chlor...	5.58e4	1.85e6	1.62	NO	0.0358	1.000	35.03	1.344	1.344	NO	841.91	84.2	5.97	
2	44	13C10-trans-Nona...	6.73e4	1.13e6	1.47	NO	0.0638	1.000	35.22	0.983	0.983	NO	932.39	93.2	3.02	
3	46	13C12-2,4'-DDE	1.60e6	1.13e6	1.58	NO	1.43	1.000	35.69	0.996	0.995	NO	985.36	98.5	0.891	
4	47	13C12-4,4'-DDE	1.17e6	1.13e6	1.61	NO	0.995	1.000	36.75	1.025	1.026	NO	1042.7	104	1.28	
5	48	13C12-Dieldrin	1.26e5	1.13e6	1.64	NO	0.146	1.000	37.26	1.039	1.040	NO	763.67	76.4	2.34	
6	50	13C10-cis-Nonach...	7.63e4	1.13e6	1.56	NO	0.0791	1.000	38.94	1.086	1.087	NO	852.38	85.2	4.33	
7	52	13C12-2,4'-DDD	1.52e6	1.13e6	1.57	NO	1.35	1.000	37.89	1.057	1.057	NO	989.66	99.0	1.73	
8	53	13C12-2,4'-DDT	9.38e5	1.13e6	1.64	NO	0.962	1.000	39.02	1.088	1.089	NO	861.57	86.2	2.43	
9	54	13C12-4,4'-DDD	1.32e6	1.13e6	1.59	NO	1.12	1.000	39.14	1.092	1.092	NO	1037.6	104	2.08	
10	55	13C12-4,4'-DDT	8.21e5	1.13e6	1.63	NO	0.735	1.000	40.20	1.122	1.122	NO	986.95	98.7	3.18	
11	62	13C-PCB-15	1.85e6	1.85e6	1.55	NO	1.00	1.000	26.06	1.000	1.000	NO	1000.0	100	0.452	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_3.qld

Last Altered: Thursday, April 15, 2021 16:58:09 Pacific Daylight Time
Printed: Thursday, April 15, 2021 17:21:07 Pacific Daylight Time

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Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_3, Date: 14-Apr-2021, Time: 11:28:28, ID: B1D0036-BS1 OPR 1, Description: OPR, Task: ST210414H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	63	13C-PCB-60	1.13e6	1.13e6	0.81	NO	1.00	1.000	35.85	1.000	1.000	NO	1000.0	100	1.05	

Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

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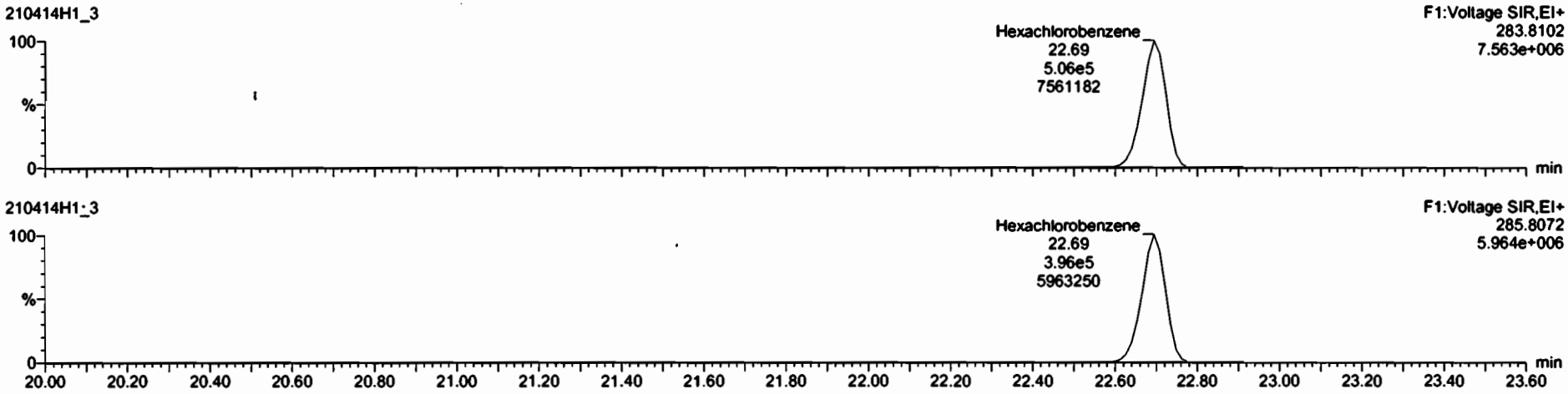
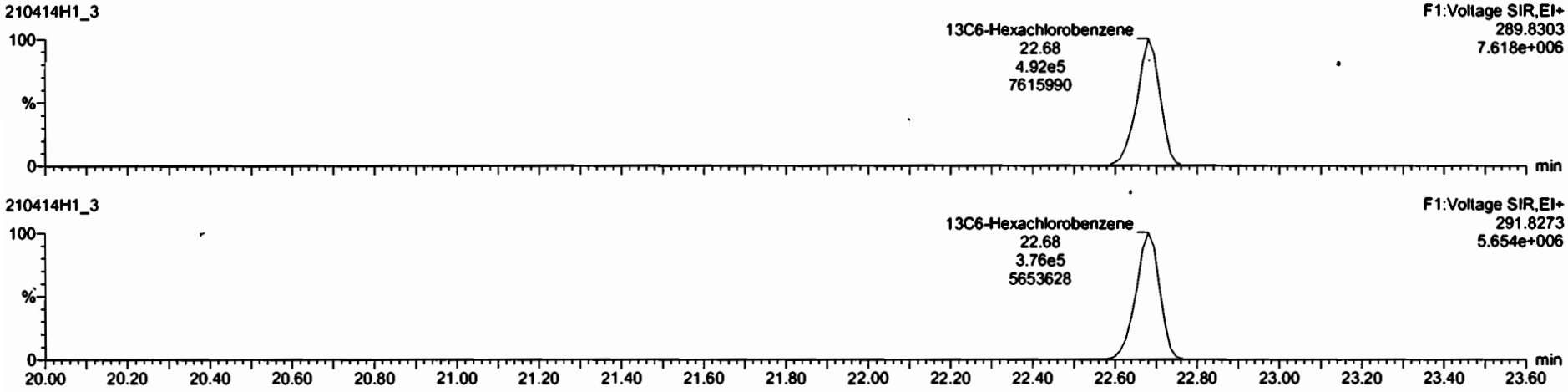
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_3, Date: 14-Apr-2021, Time: 11:28:28, ID: B1D0036-BS1 OPR 1, Description: OPR

Hexachlorobenzene



13C6-Hexachlorobenzene



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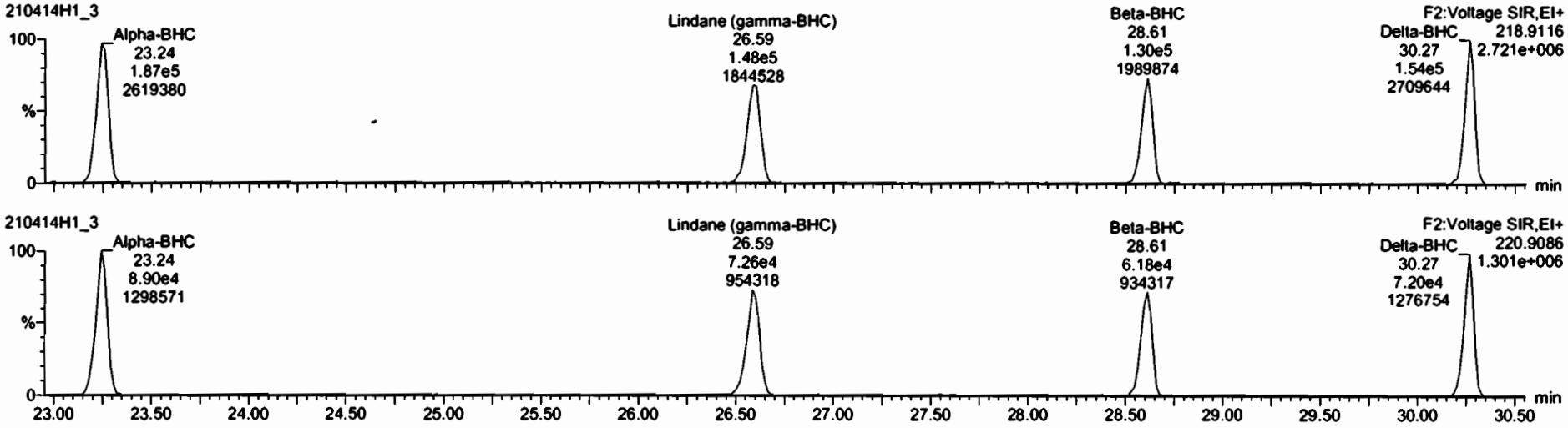
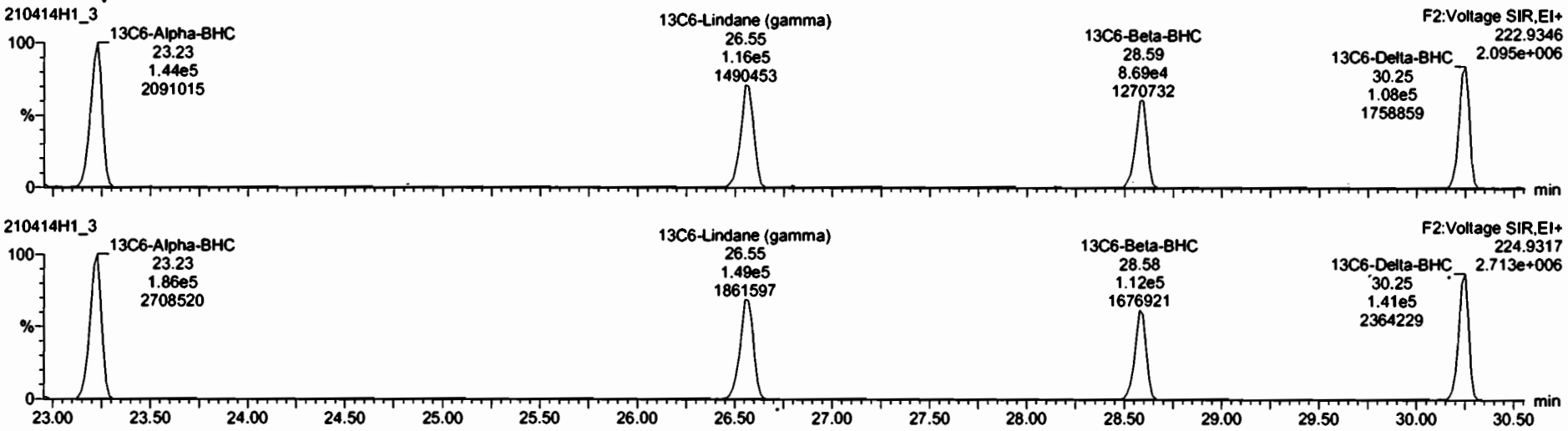
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_3, Date: 14-Apr-2021, Time: 11:28:28, ID: B1D0036-BS1 OPR 1, Description: OPR

BHC Totals



BHC-isotopes



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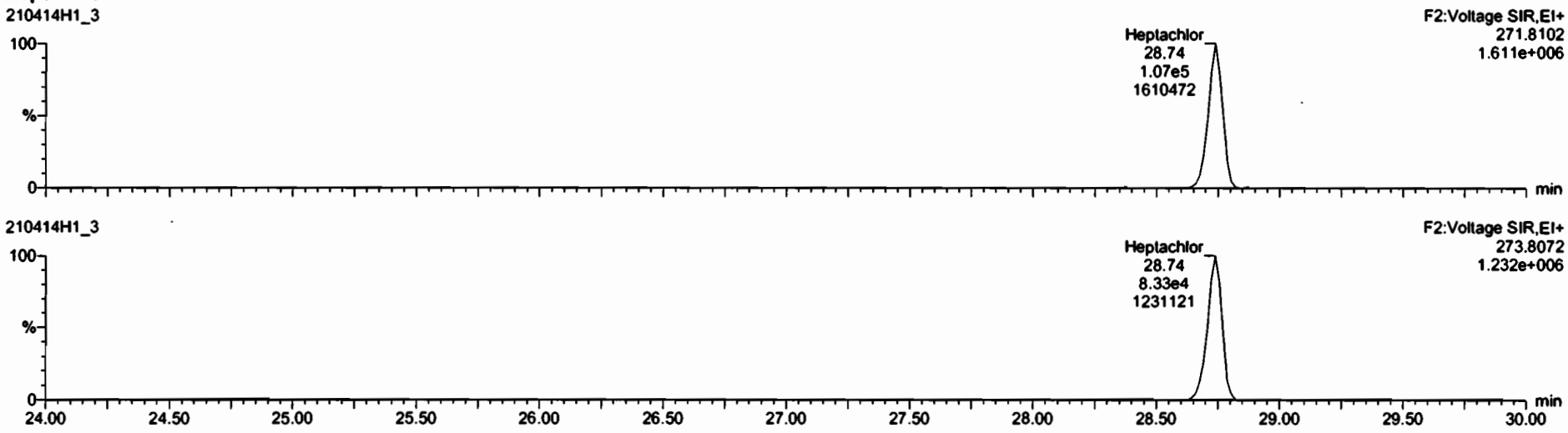
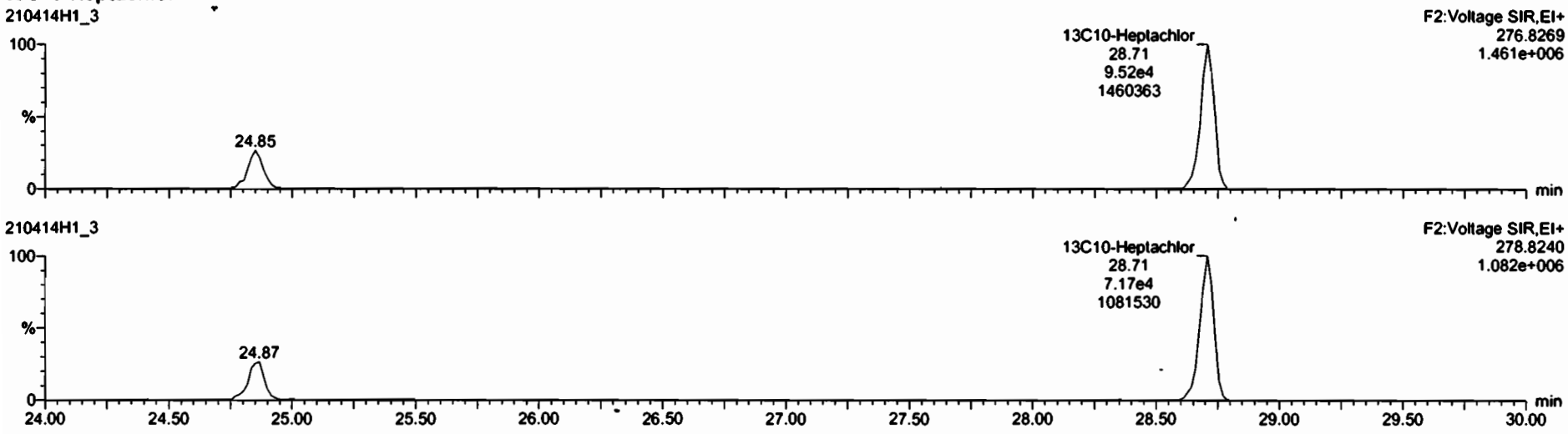
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_3, Date: 14-Apr-2021, Time: 11:28:28, ID: B1D0036-BS1 OPR 1, Description: OPR

Heptachlor



13C10-Heptachlor



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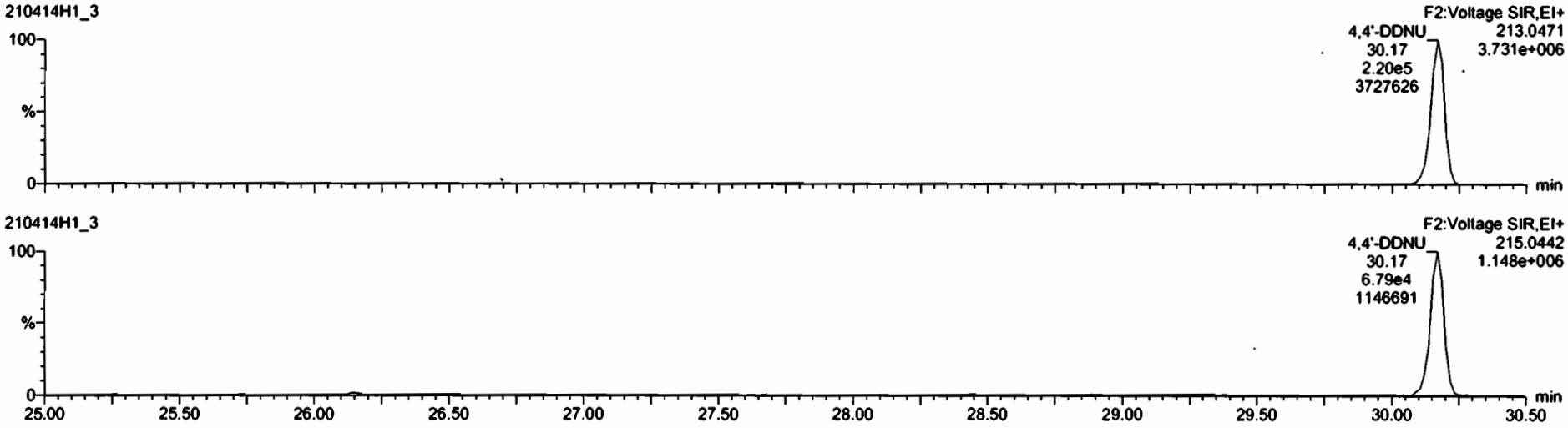
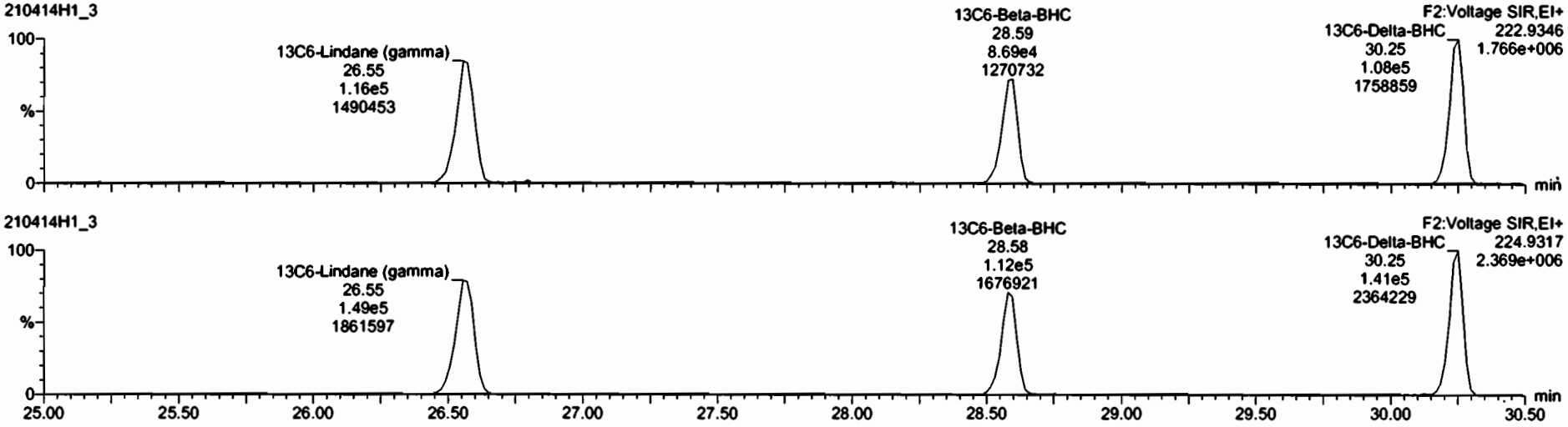
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_3, Date: 14-Apr-2021, Time: 11:28:28, ID: B1D0036-BS1 OPR 1, Description: OPR

4,4'-DDNU



13C6-Delta-BHC



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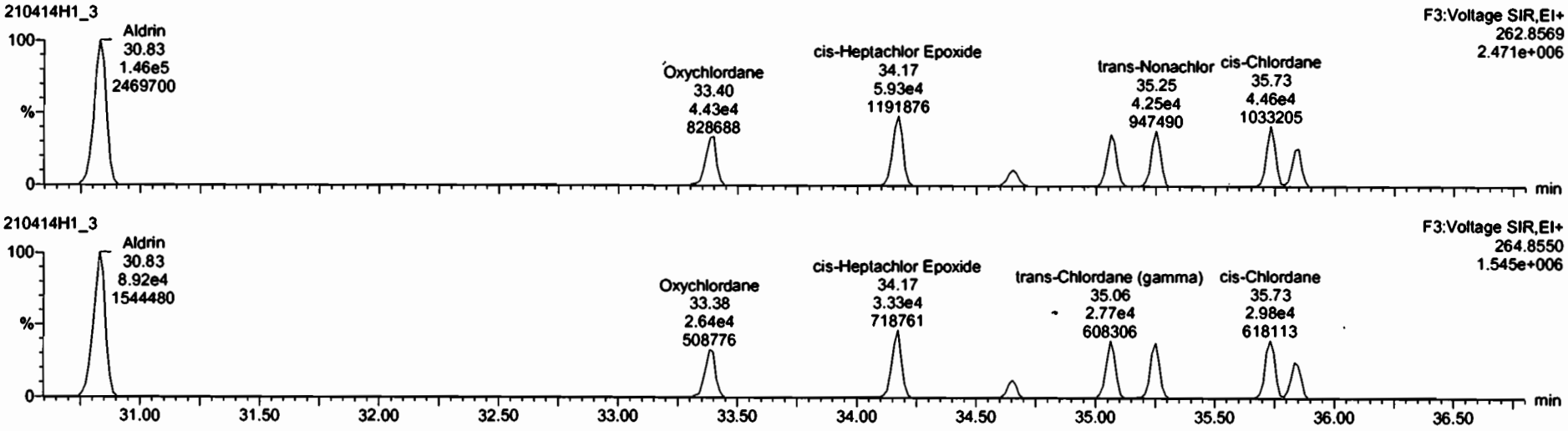
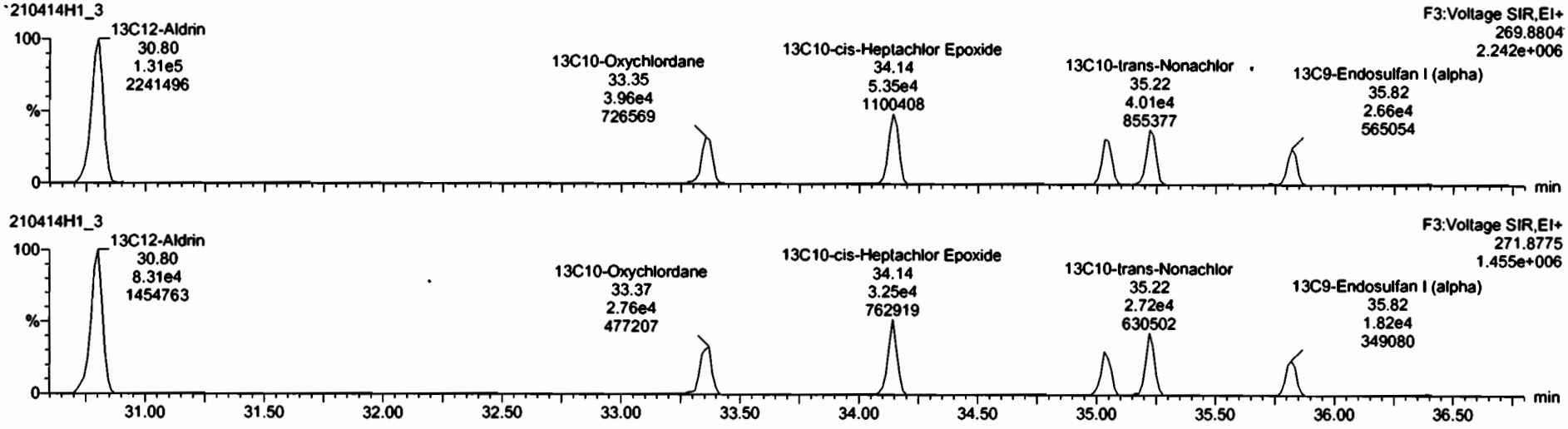
Name: 210414H1_3, Date: 14-Apr-2021, Time: 11:28:28, ID: B1D0036-BS1 OPR 1, Description: OPR

Aldrin-EI



Aldrin-EI-isotopes



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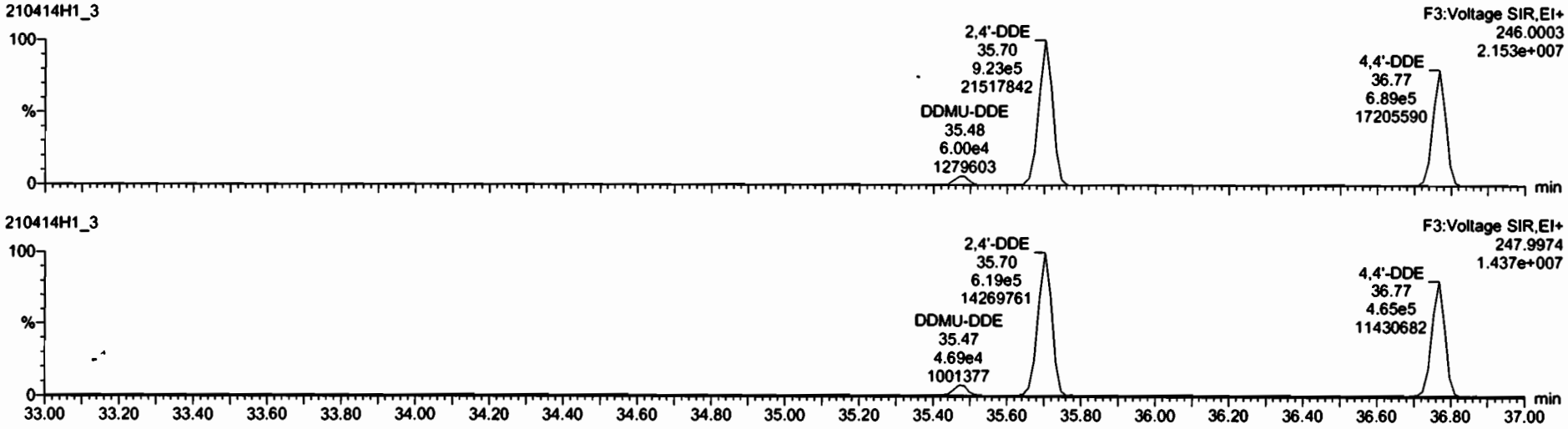
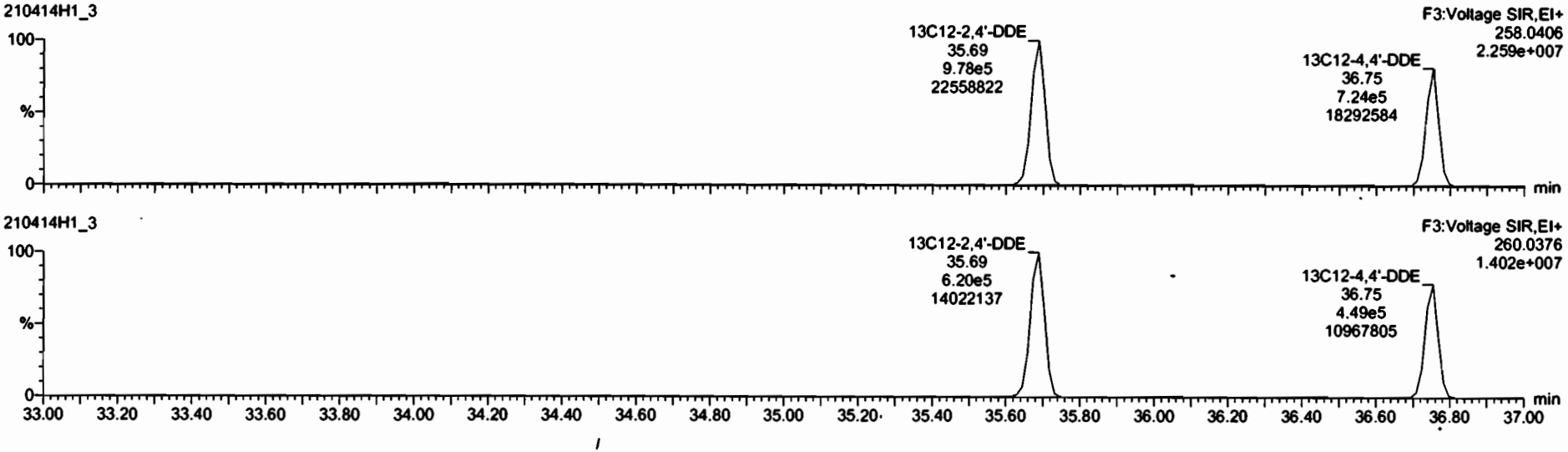
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_3, Date: 14-Apr-2021, Time: 11:28:28, ID: B1D0036-BS1 OPR 1, Description: OPR

DDMU-DDE



DDE-isotopes



Dataset: Untitled

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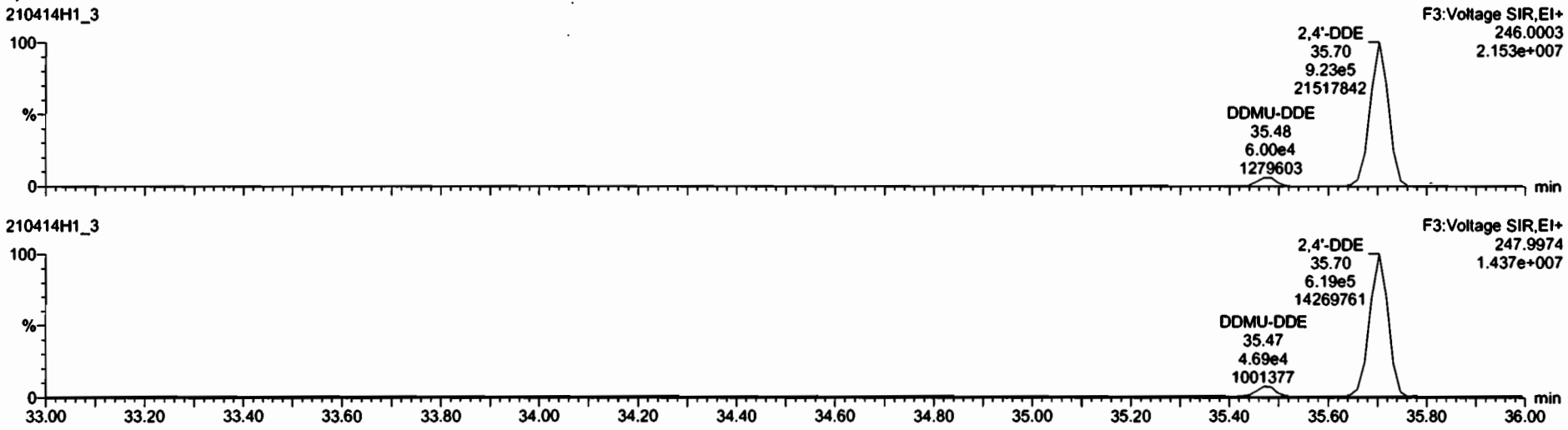
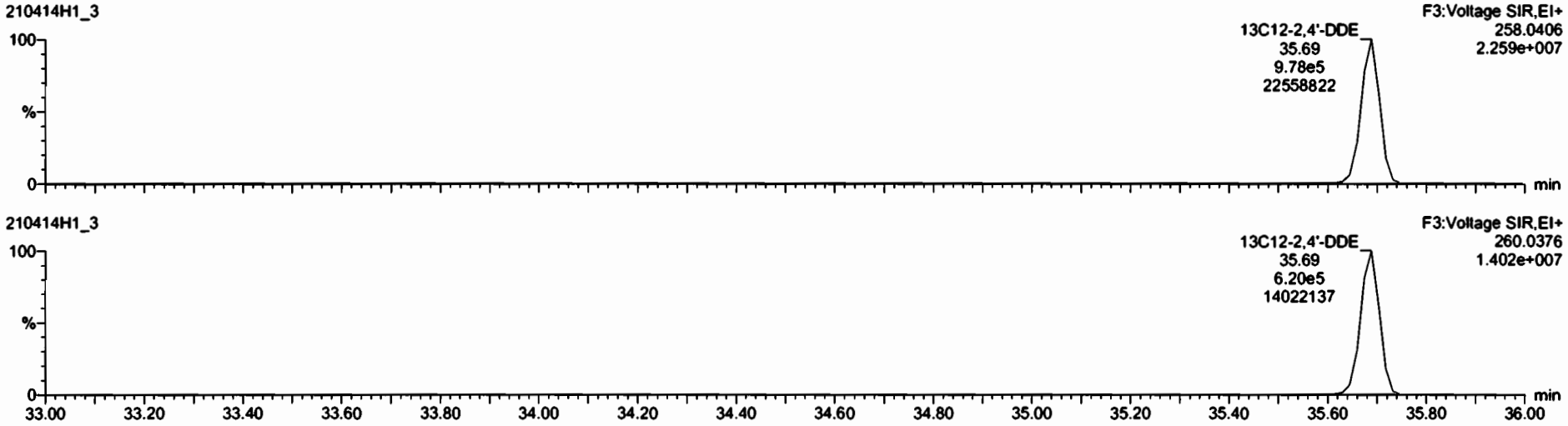
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_3, Date: 14-Apr-2021, Time: 11:28:28, ID: B1D0036-BS1 OPR 1, Description: OPR

2,4'-DDE



13C12-2,4'-DDE



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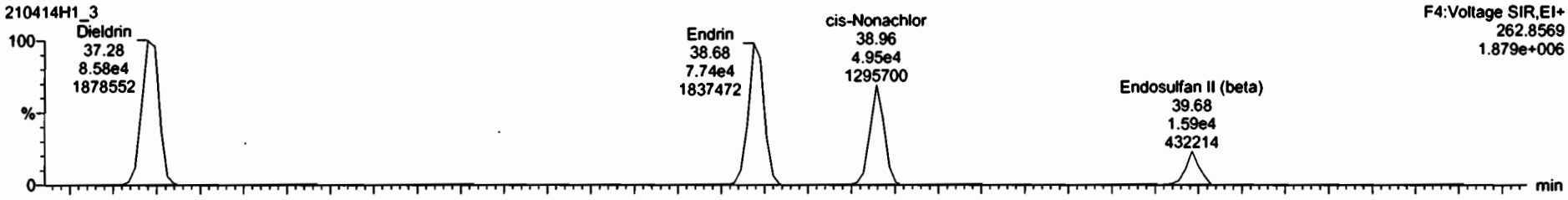
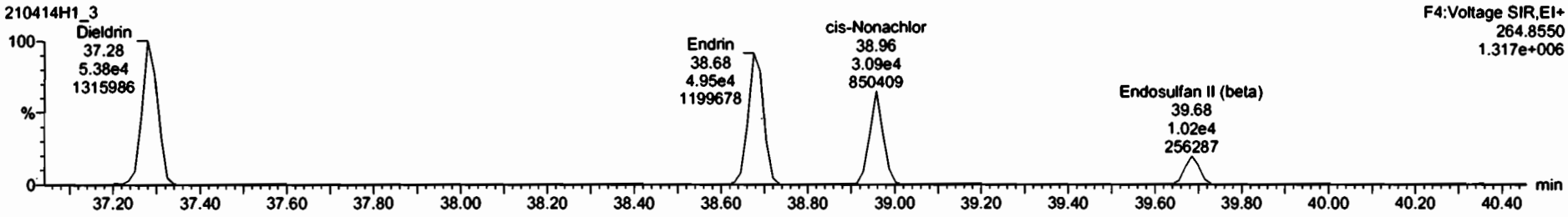
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

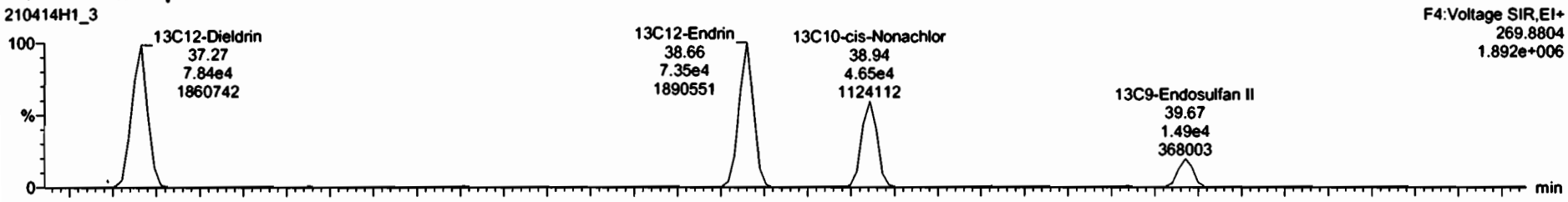
Name: 210414H1_3, Date: 14-Apr-2021, Time: 11:28:28, ID: B1D0036-BS1 OPR 1, Description: OPR

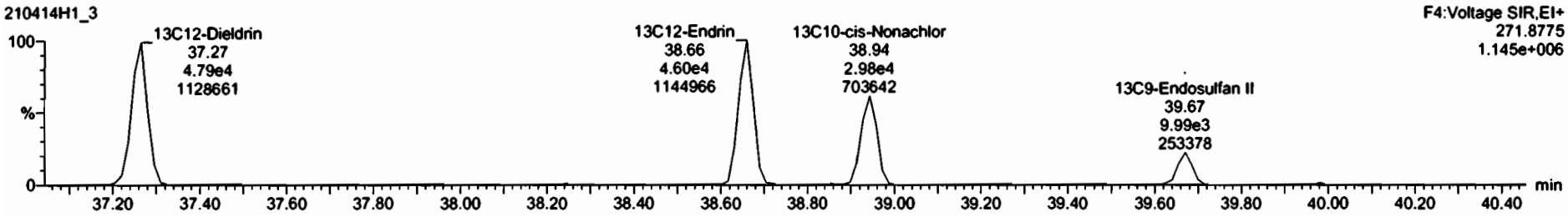
Dieldrin-EII





Dieldrin-EII-isotopes



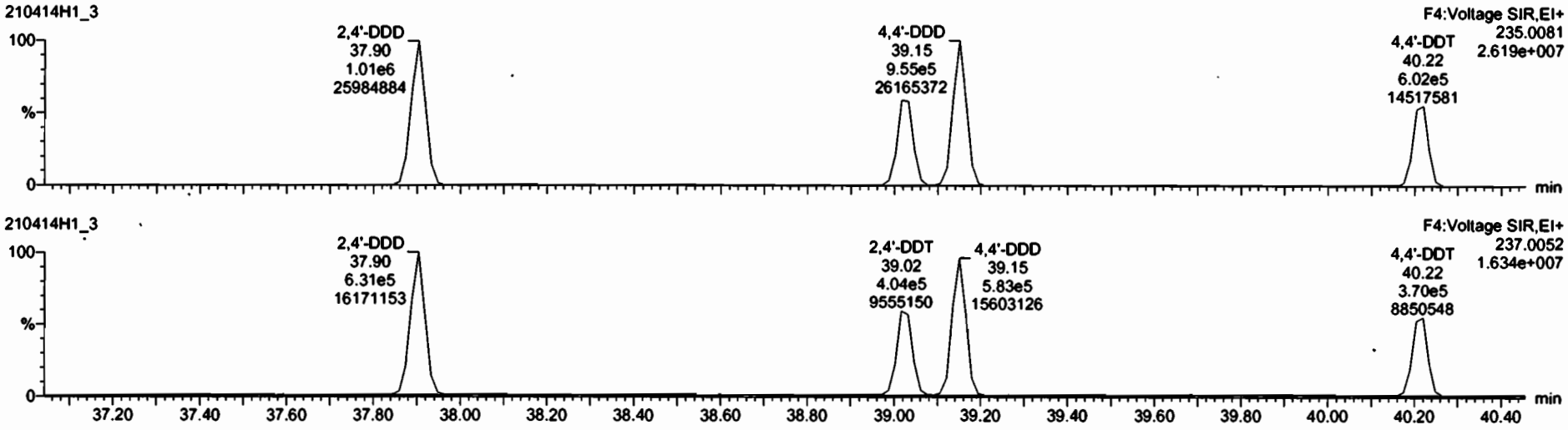


Dataset: Untitled

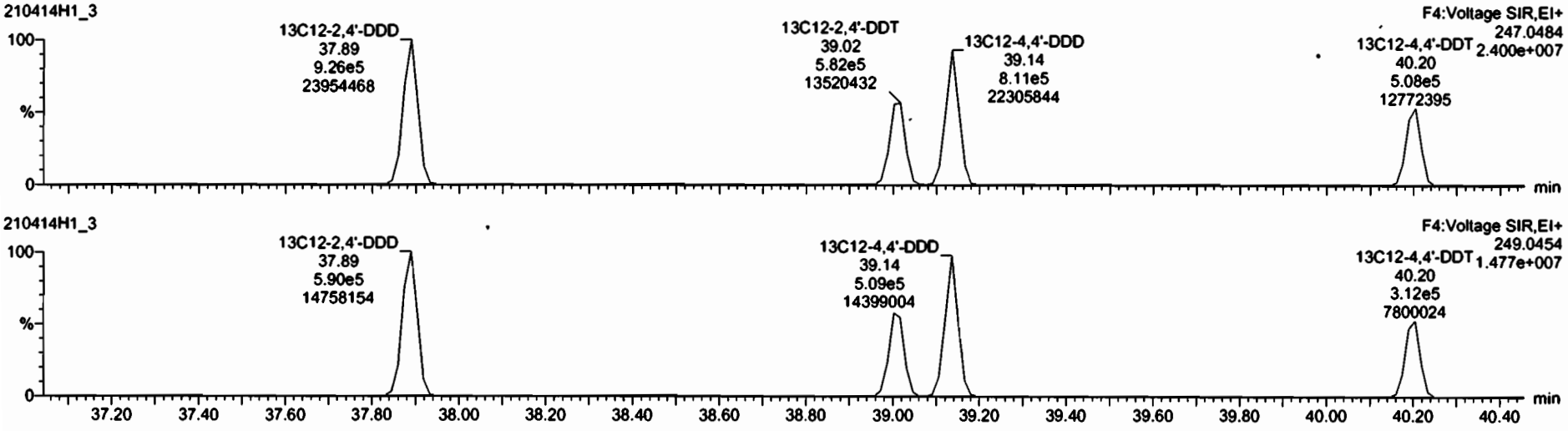
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_3, Date: 14-Apr-2021, Time: 11:28:28, ID: B1D0036-BS1 OPR 1, Description: OPR

DDD-DDT



DDD-DDT-isotopes



Dataset: Untitled

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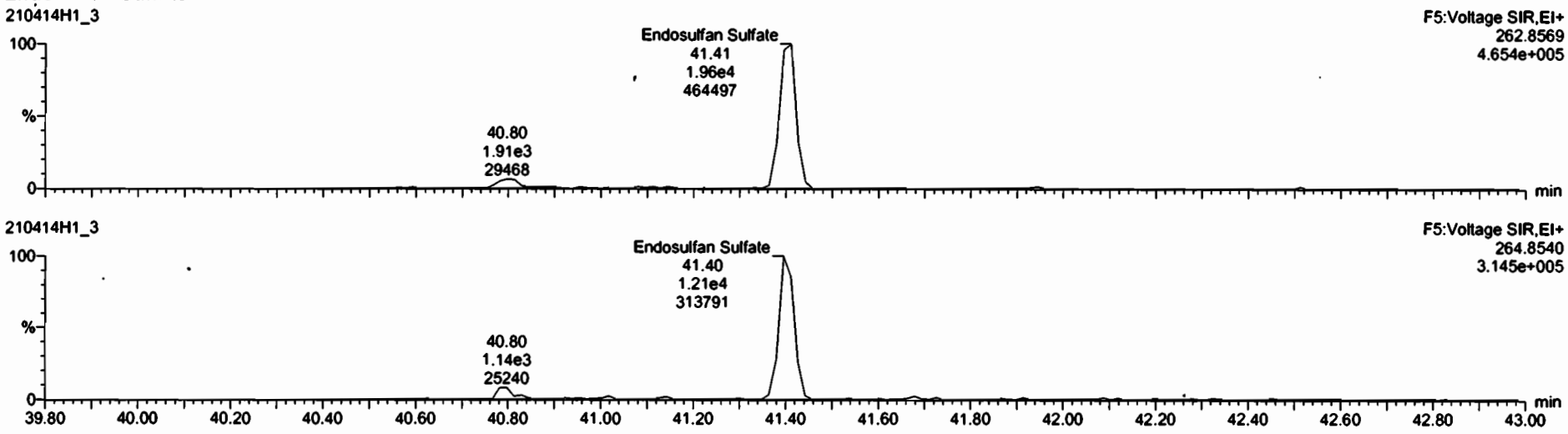
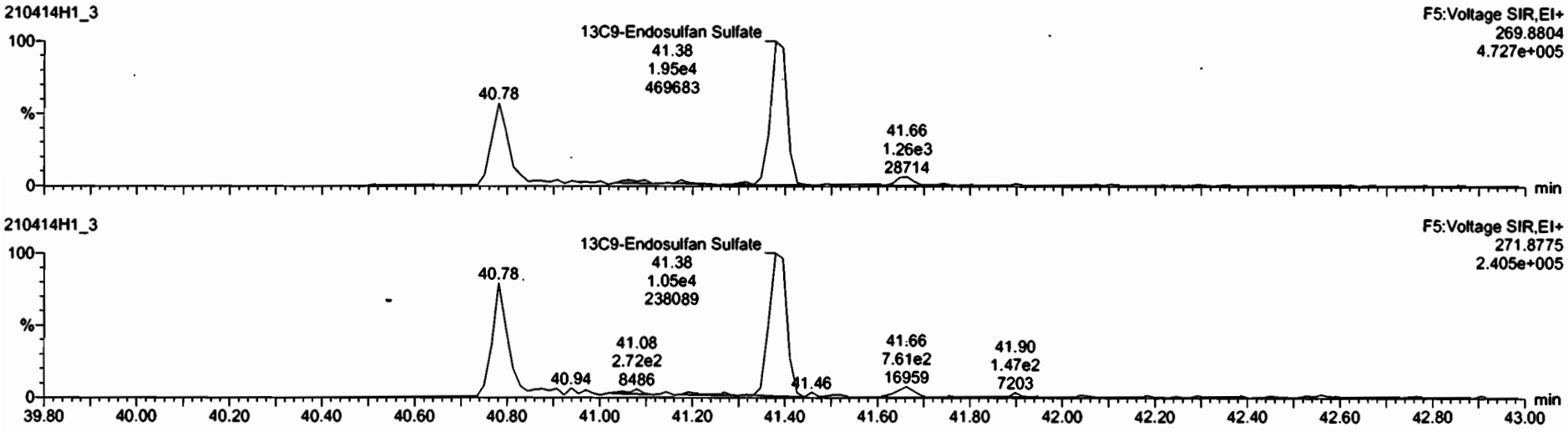
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_3, Date: 14-Apr-2021, Time: 11:28:28, ID: B1D0036-BS1 OPR 1, Description: OPR

Endosulfan Sulfate



13C9-Endosulfan Sulfate



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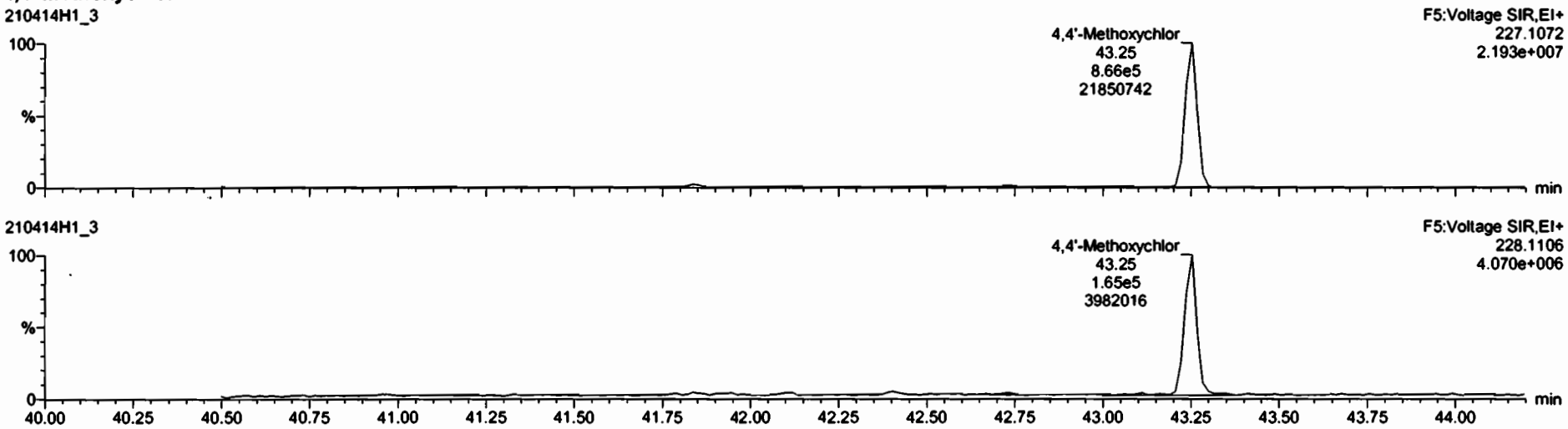
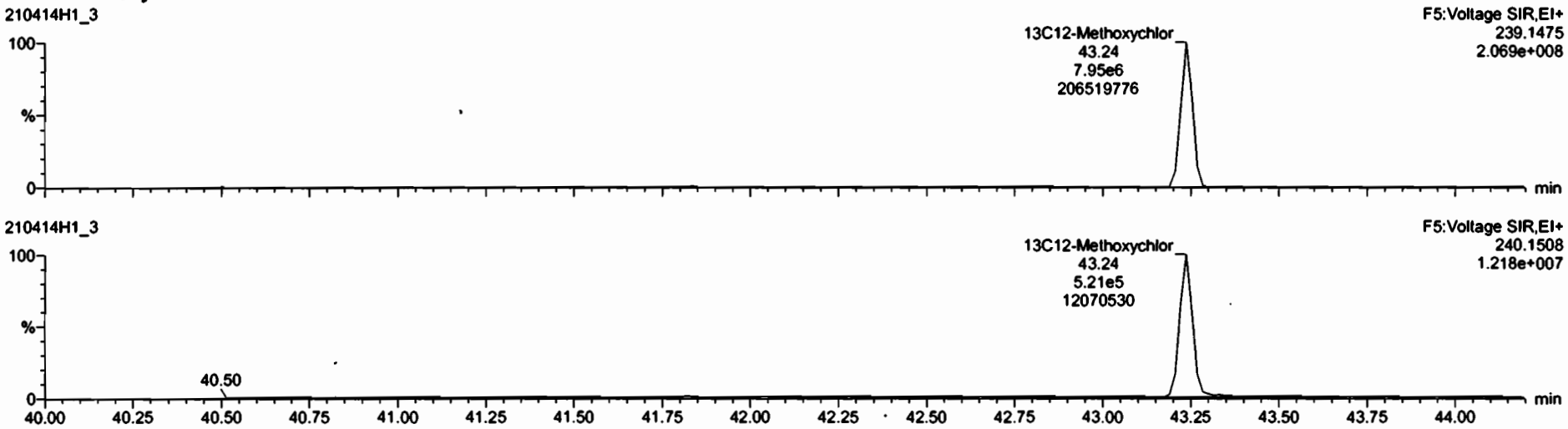
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_3, Date: 14-Apr-2021, Time: 11:28:28, ID: B1D0036-BS1 OPR 1, Description: OPR

4,4'-Methoxychlor



13C12-Methoxychlor



Dataset: Untitled

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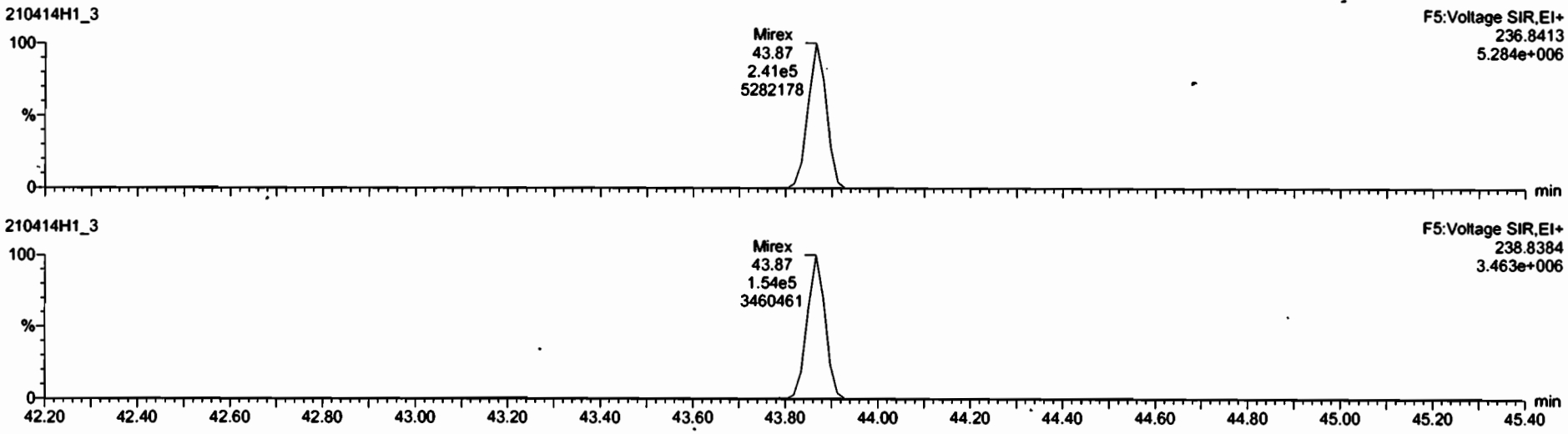
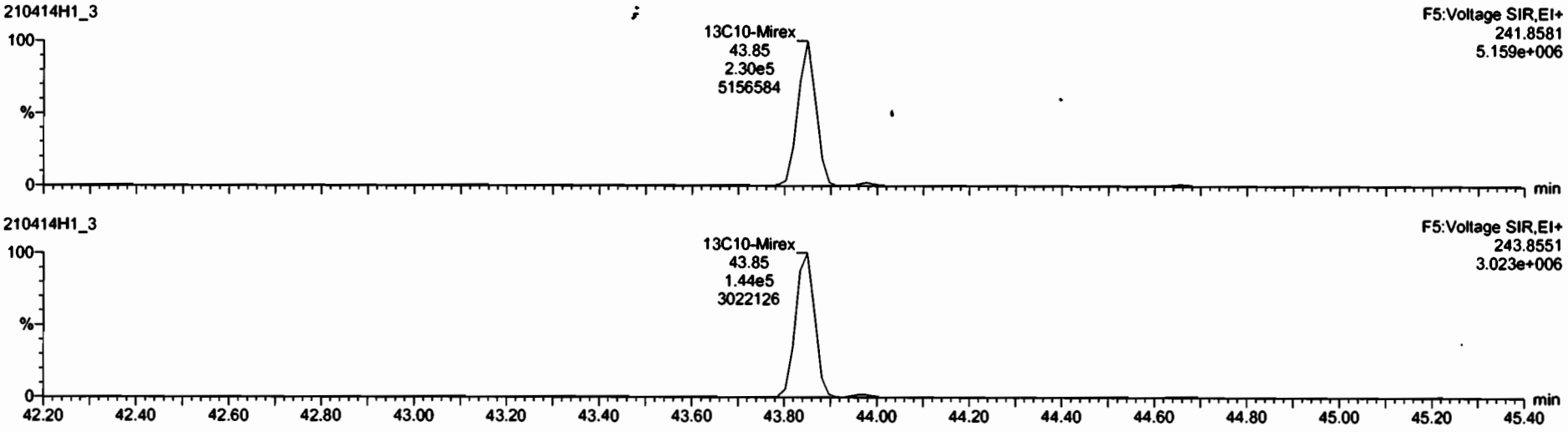
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_3, Date: 14-Apr-2021, Time: 11:28:28, ID: B1D0036-BS1 OPR 1, Description: OPR

Mirex



13C10-Mirex

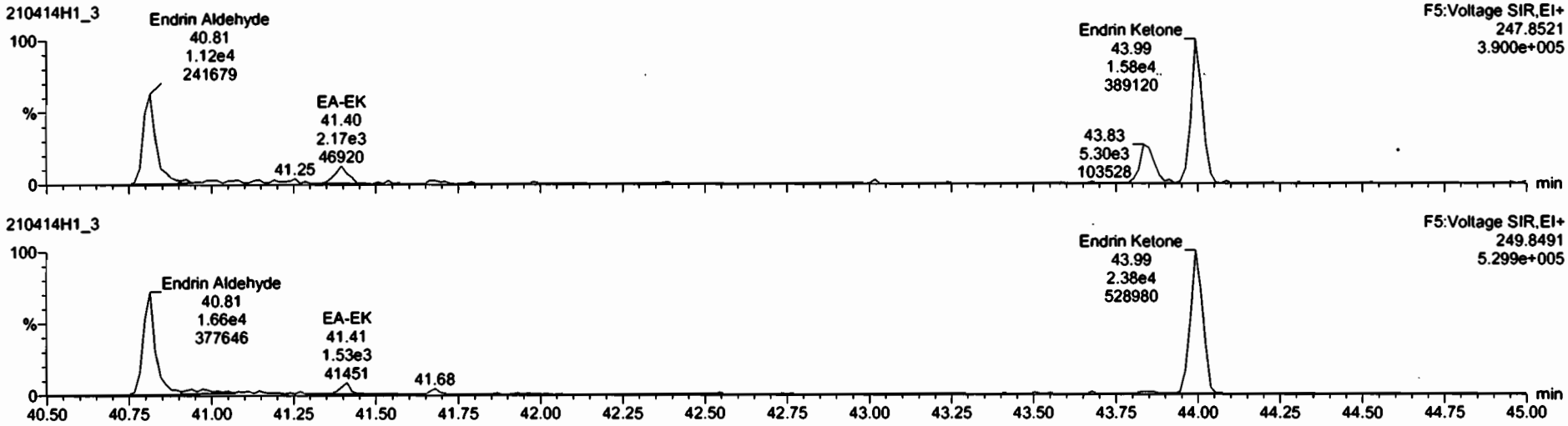


Dataset: Untitled

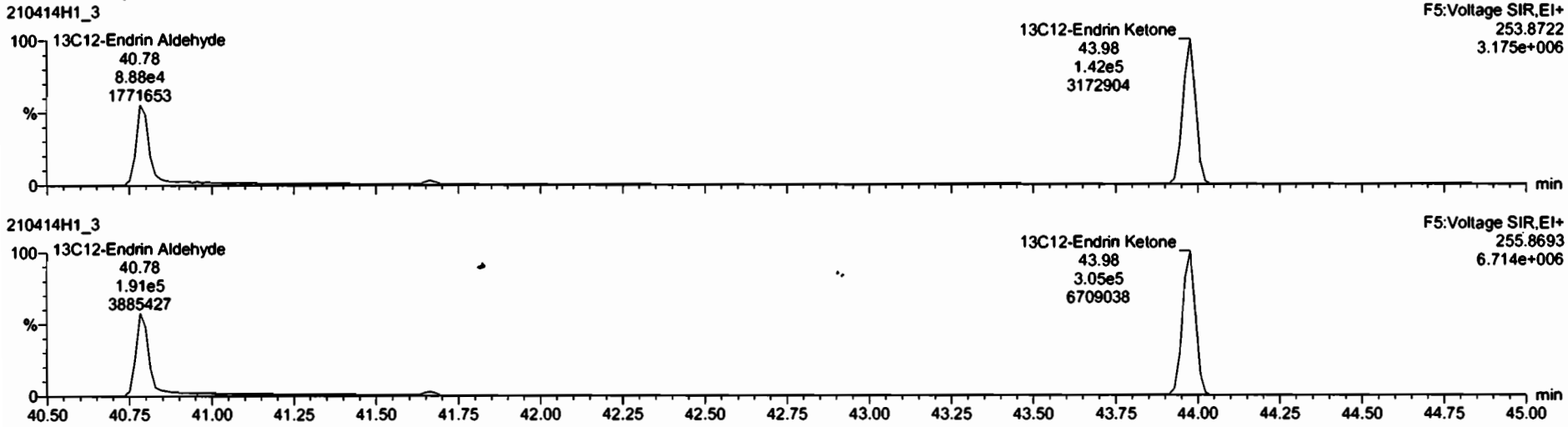
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_3, Date: 14-Apr-2021, Time: 11:28:28, ID: B1D0036-BS1 OPR 1, Description: OPR

EA-EK



EA-EK-isotopes



Dataset: Untitled

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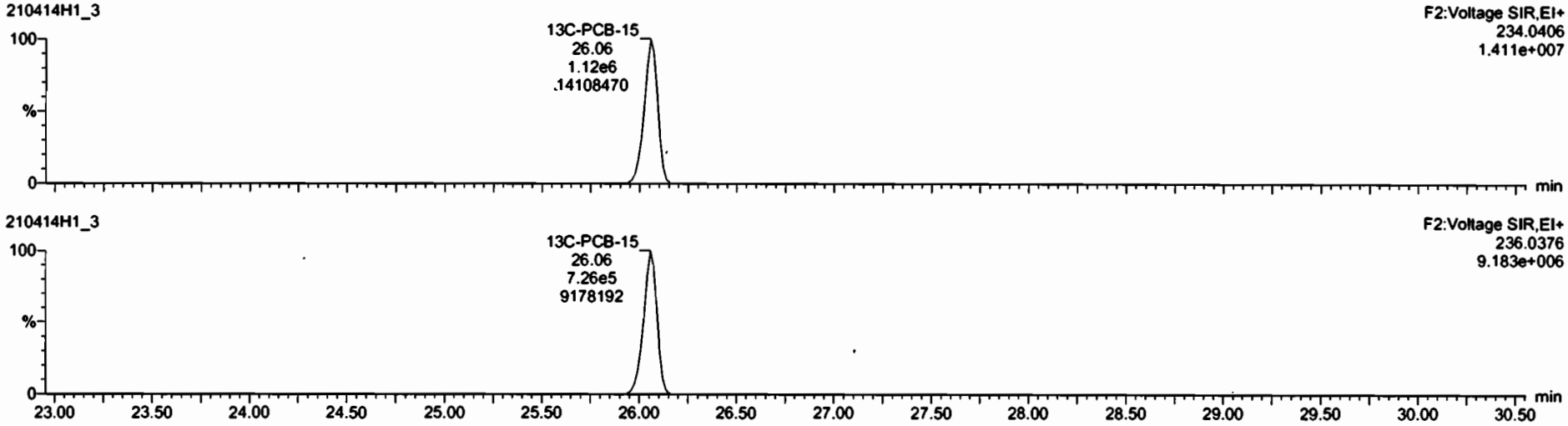
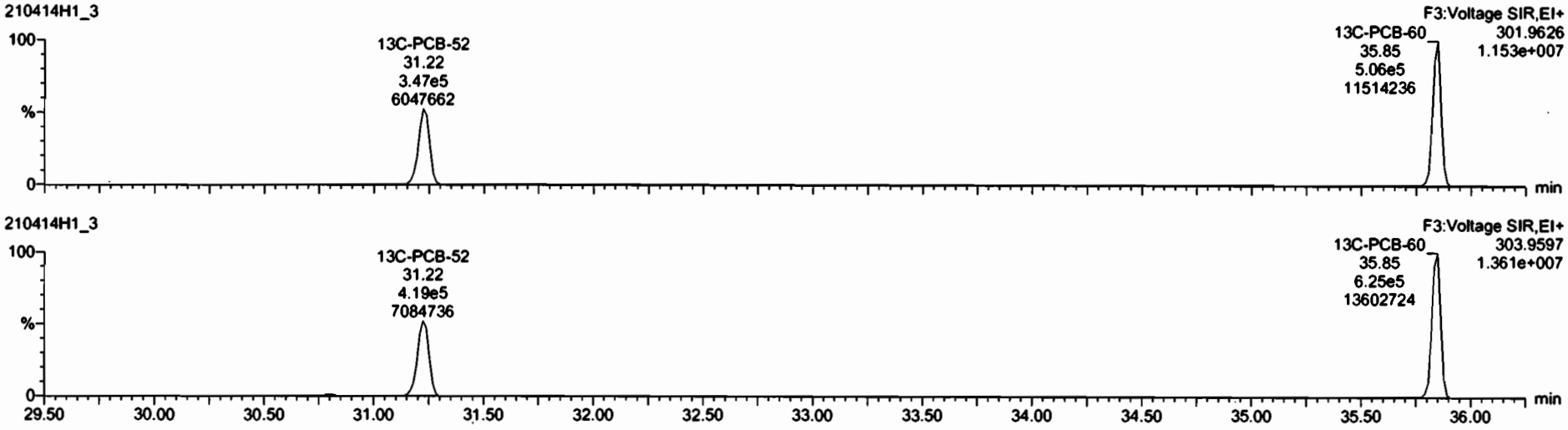
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_3, Date: 14-Apr-2021, Time: 11:28:28, ID: B1D0036-BS1 OPR 1, Description: OPR

13C-PCB-15



13C-PCB-60



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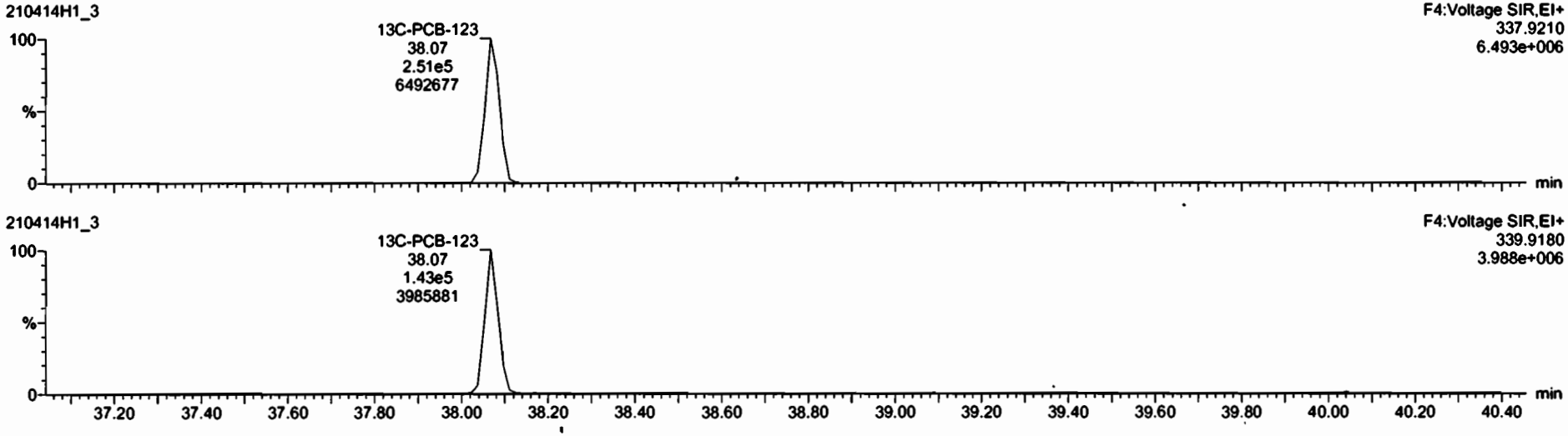
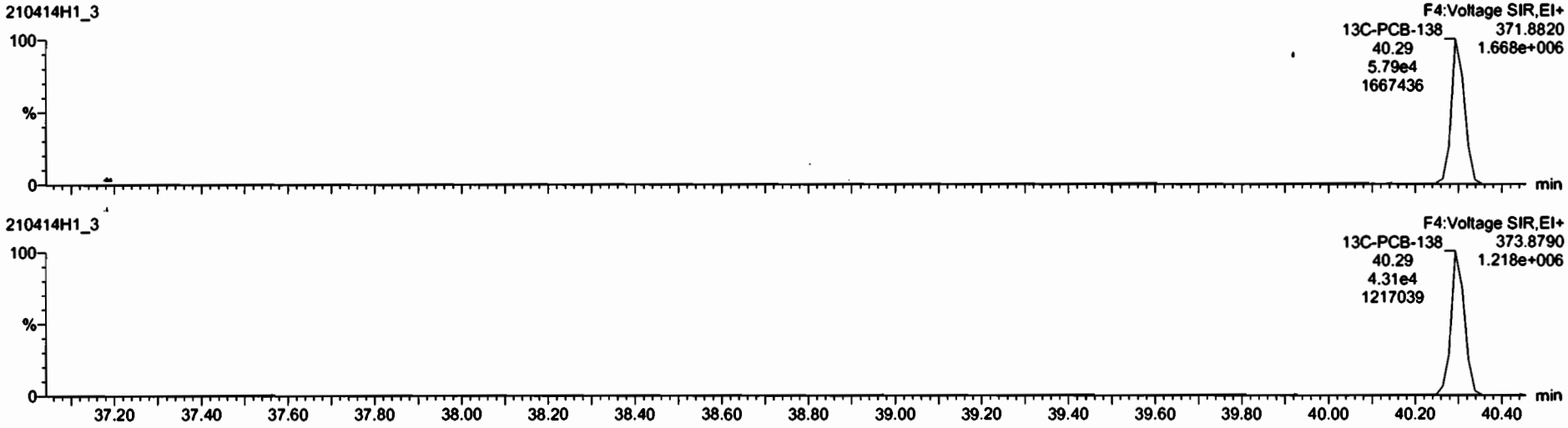
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_3, Date: 14-Apr-2021, Time: 11:28:28, ID: B1D0036-BS1 OPR 1, Description: OPR

13C-PCB-123



13C-PCB-138



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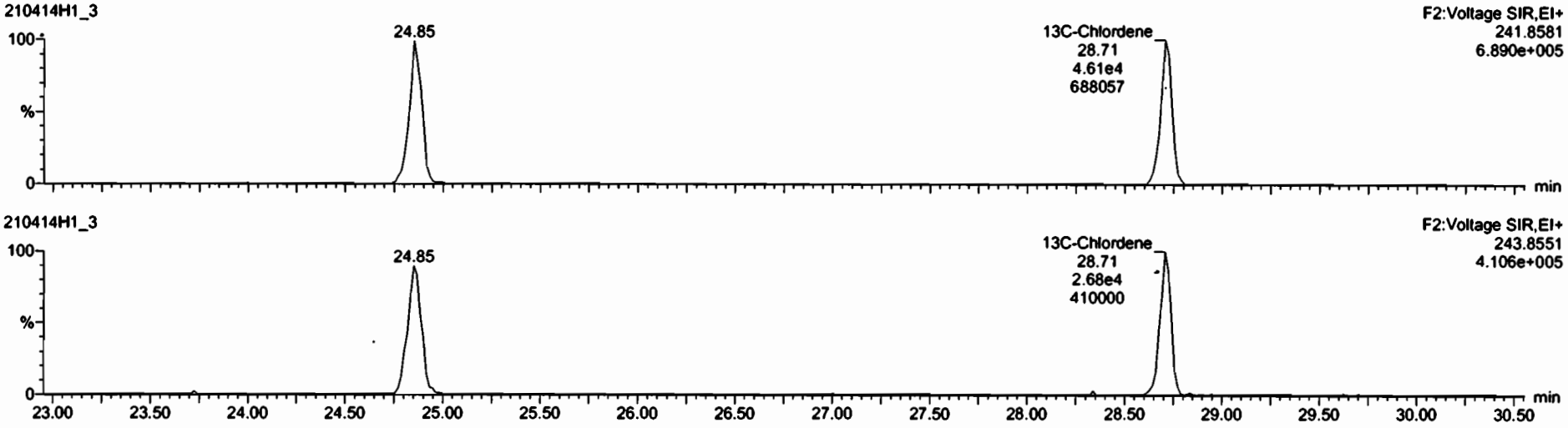
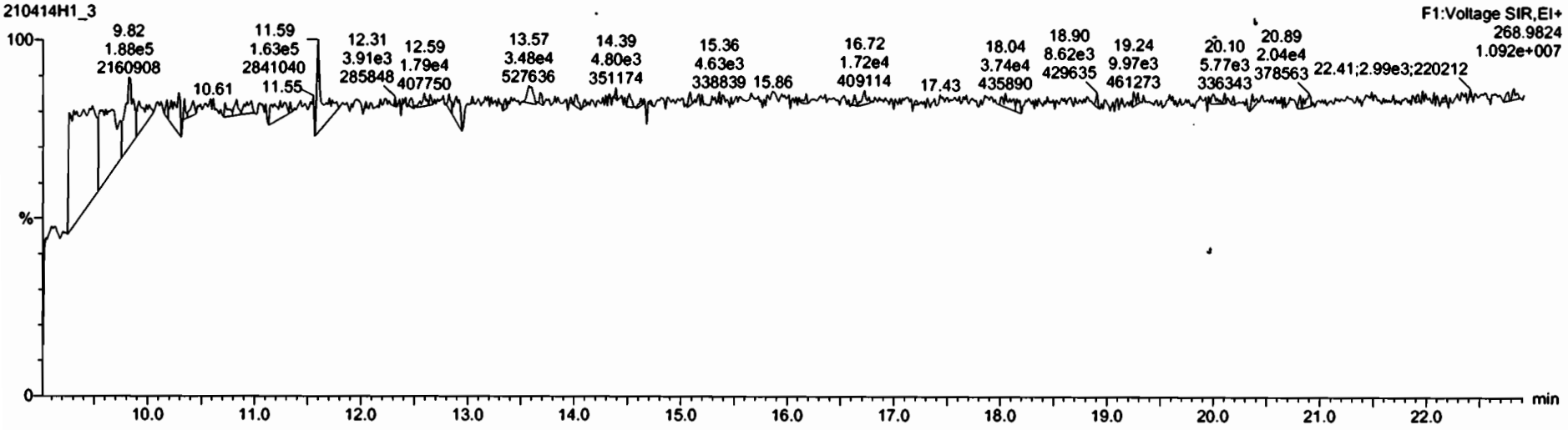
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_3, Date: 14-Apr-2021, Time: 11:28:28, ID: B1D0036-BS1 OPR 1, Description: OPR

13C-Chlordene



PFK1



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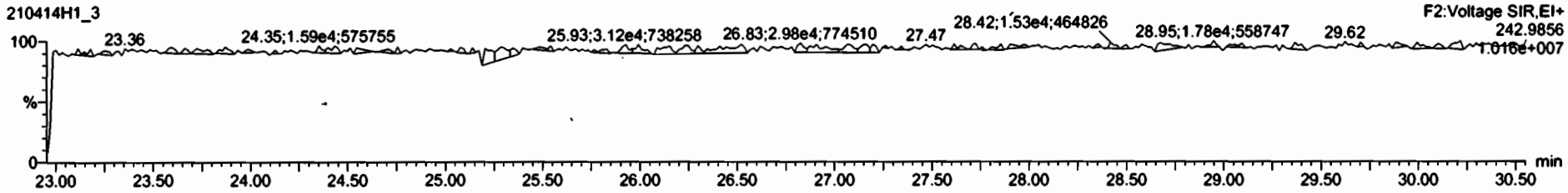
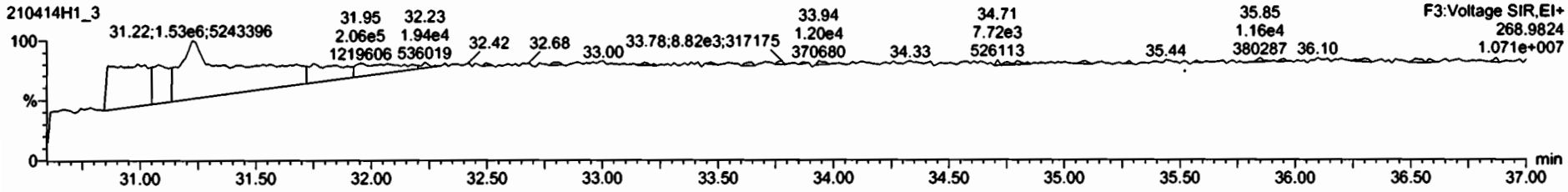
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_3, Date: 14-Apr-2021, Time: 11:28:28, ID: B1D0036-BS1 OPR 1, Description: OPR

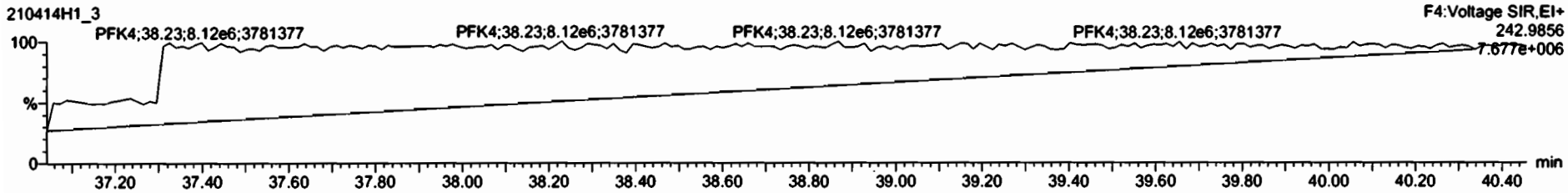
PFK2



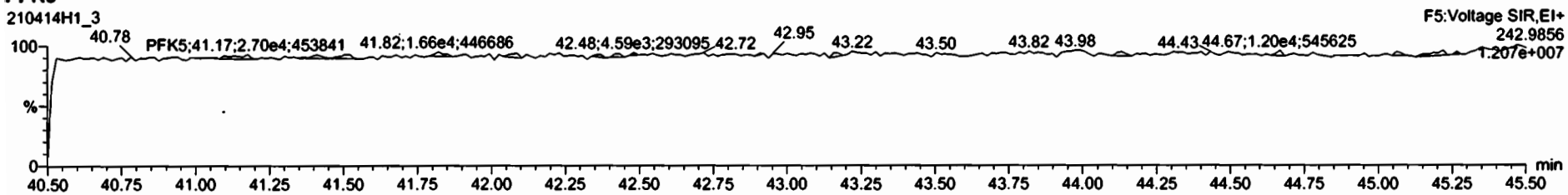
PFK3



PFK4



PFK5



Quantify Sample Summary Report **MassLynx 4.1 SCN815**
Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210505H1\210505H1_5.qld

Last Altered: Thursday, May 06, 2021 10:25:30 Pacific Daylight Time
Printed: Thursday, May 06, 2021 10:26:01 Pacific Daylight Time

DF 05/06/21

C 05/07/2021

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210505H1_5, Date: 05-May-2021, Time: 12:28:19, ID: B1D0210-BLK1 Method Blank 1, Description: Method Blank, Task: ST210505H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	w/vol	RT	RRT	Pred RRT	CheckRRT	Conc	%Rec	DL	EMPC
1	4	Lindane (gamma-...		1.49e5		NO	0.847	1.000			1.000	YES			3.48	
2	9	Aldrin		1.41e5		NO	1.12	1.000			1.001	YES			0.597	
3	10	Oxychlordane		3.63e4		NO	1.11	1.000			1.001	YES			2.24	
4	13	trans-Chlordane (g...		3.47e4		NO	1.19	1.000			1.001	YES			1.68	
5	14	trans-Nonachlor		4.03e4		NO	1.09	1.000			1.000	YES			1.44	
6	15	cis-Chlordane		4.03e4		NO	1.20	1.000			1.016	YES			1.30	
7	18	2,4'-DDE		8.49e5		NO	1.01	1.000			1.000	YES			2.02	
8	19	4,4'-DDE		5.98e5		NO	1.03	1.000			1.000	YES			2.72	
9	20	Dieldrin		6.42e4		NO	1.05	1.000			1.001	YES			1.56	
10	22	cis-Nonachlor		3.59e4		NO	1.05	1.000			1.000	YES			2.86	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210505H1\210505H1_5.qld

Last Altered: Thursday, May 06, 2021 10:25:30 Pacific Daylight Time
Printed: Thursday, May 06, 2021 10:26:09 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210505H1_5, Date: 05-May-2021, Time: 12:28:19, ID: B1D0210-BLK1 Method Blank 1, Description: Method Blank, Task: ST210505H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	w/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	24	2,4'-DDD		5.36e5		NO	1.03	1.000			1.000	YES			2.72	
2	25	2,4'-DDT		2.56e5		NO	1.02	1.000			1.000	YES			6.07	
3	26	4,4'-DDD		4.40e5		NO	1.10	1.000			1.000	YES			2.88	
4	27	4,4'-DDT		2.02e5		NO	1.11	1.000			1.001	YES			6.17	
5	36	13C6-Lindane (ga...	1.49e5	1.02e6	0.79	NO	0.190	1.000	26.52	1.020	1.019	NO	769.16	76.9	5.72	
6	40	13C12-Aldrin	1.41e5	1.02e6	1.54	NO	0.152	1.000	30.79	1.184	1.181	NO	910.18	91.0	1.81	
7	41	13C10-Oxychlorda...	3.63e4	1.02e6	1.50	NO	0.0441	1.000	33.37	1.283	1.280	NO	808.73	80.9	6.26	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210505H1\210505H1_5.qld

Last Altered: Thursday, May 06, 2021 10:25:30 Pacific Daylight Time
Printed: Thursday, May 06, 2021 10:26:24 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210505H1_5, Date: 05-May-2021, Time: 12:28:19, ID: B1D0210-BLK1 Method Blank 1, Description: Method Blank, Task: ST210505H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	43	13C10-trans-Chlor...	3.47e4	1.02e6	1.59	NO	0.0390	1.000	35.05	1.348	1.344	NO	873.27	87.3	7.07	
2	44	13C10-trans-Nona...	4.03e4	7.04e5	1.57	NO	0.0772	1.000	35.24	0.983	0.983	NO	740.89	74.1	2.77	
3	46	13C12-2,4'-DDE	8.49e5	7.04e5	1.58	NO	1.84	1.000	35.70	0.996	0.995	NO	655.53	65.6	0.912	
4	47	13C12-4,4'-DDE	5.98e5	7.04e5	1.57	NO	1.31	1.000	36.77	1.025	1.026	NO	651.14	65.1	1.29	
5	48	13C12-Dieldrin	6.42e4	7.04e5	1.52	NO	0.177	1.000	37.28	1.040	1.040	NO	514.84	51.5	1.29	
6	50	13C10-cis-Nonach...	3.59e4	7.04e5	1.60	NO	0.0908	1.000	38.97	1.087	1.087	NO	561.39	56.1	2.51	
7	52	13C12-2,4'-DDD	5.36e5	7.04e5	1.61	NO	1.21	1.000	37.92	1.057	1.057	NO	626.53	62.7	1.20	
8	53	13C12-2,4'-DDT	2.56e5	7.04e5	1.57	NO	0.662	1.000	39.05	1.089	1.089	NO	548.50	54.9	2.21	
9	54	13C12-4,4'-DDD	4.40e5	7.04e5	1.61	NO	0.950	1.000	39.17	1.092	1.092	NO	658.80	65.9	1.54	
10	55	13C12-4,4'-DDT	2.02e5	7.04e5	1.64	NO	0.455	1.000	40.23	1.122	1.122	NO	629.93	63.0	3.22	
11	62	13C-PCB-15	1.02e6	1.02e6	1.55	NO	1.00	1.000	26.01	1.000	1.000	NO	1000.0	100	0.707	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210505H1\210505H1_5.qld

Last Altered: Thursday, May 06, 2021 10:25:30 Pacific Daylight Time
Printed: Thursday, May 06, 2021 10:26:28 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210505H1_5, Date: 05-May-2021, Time: 12:28:19, ID: B1D0210-BLK1 Method Blank 1, Description: Method Blank, Task: ST210505H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	63	13C-PCB-60	7.04e5	7.04e5	0.77	NO	1.00	1.000	35.86	1.000	1.000	NO	1000.0	100	1.26	

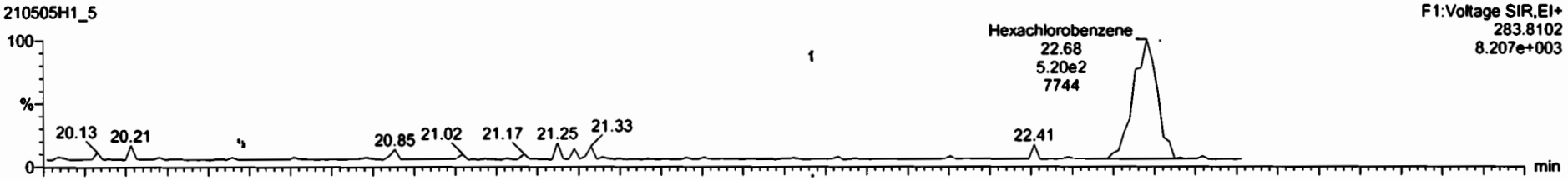
Dataset: U:\vg10.PRO\Results\210505H1\210505H1_5.qld

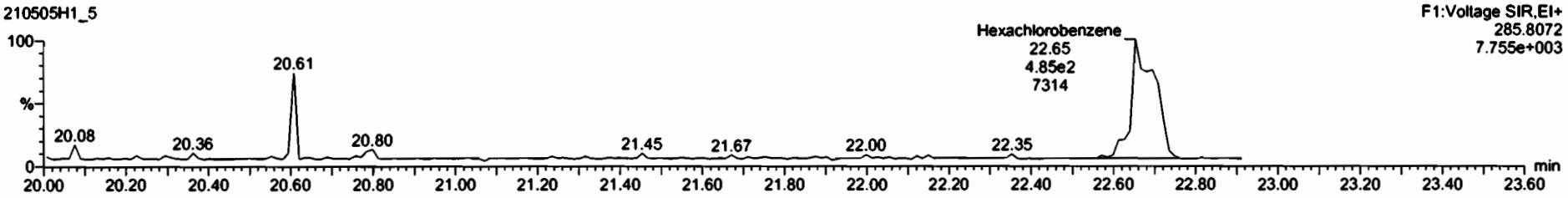
Last Altered: Wednesday, May 05, 2021 1:26:16 PM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:30:59 PM Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

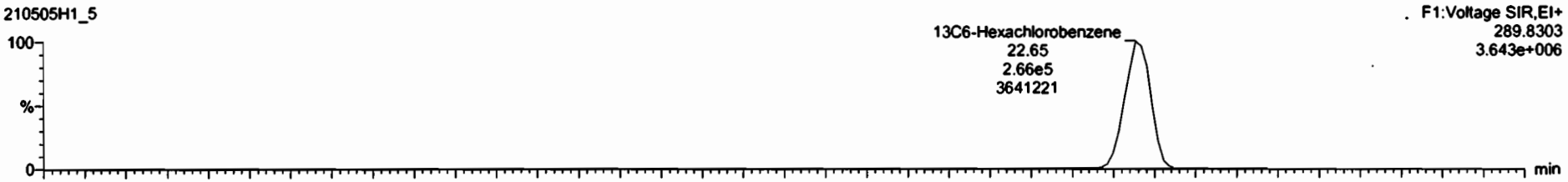
Name: 210505H1_5, Date: 05-May-2021, Time: 12:28:19, ID: B1D0210-BLK1 Method Blank 1, Description: Method Blank

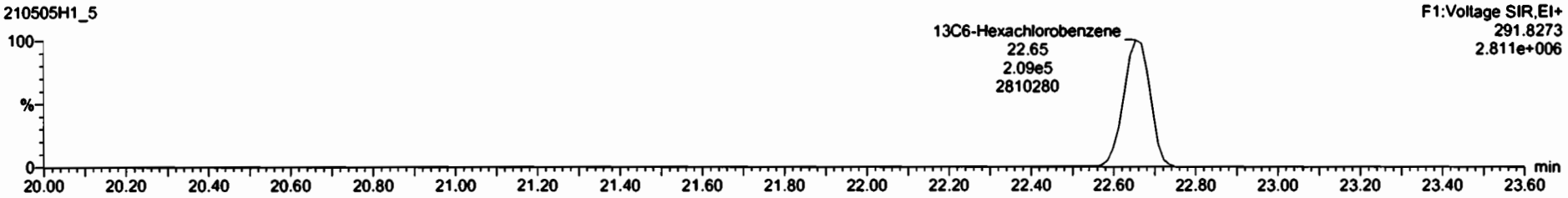
Hexachlorobenzene





13C6-Hexachlorobenzene



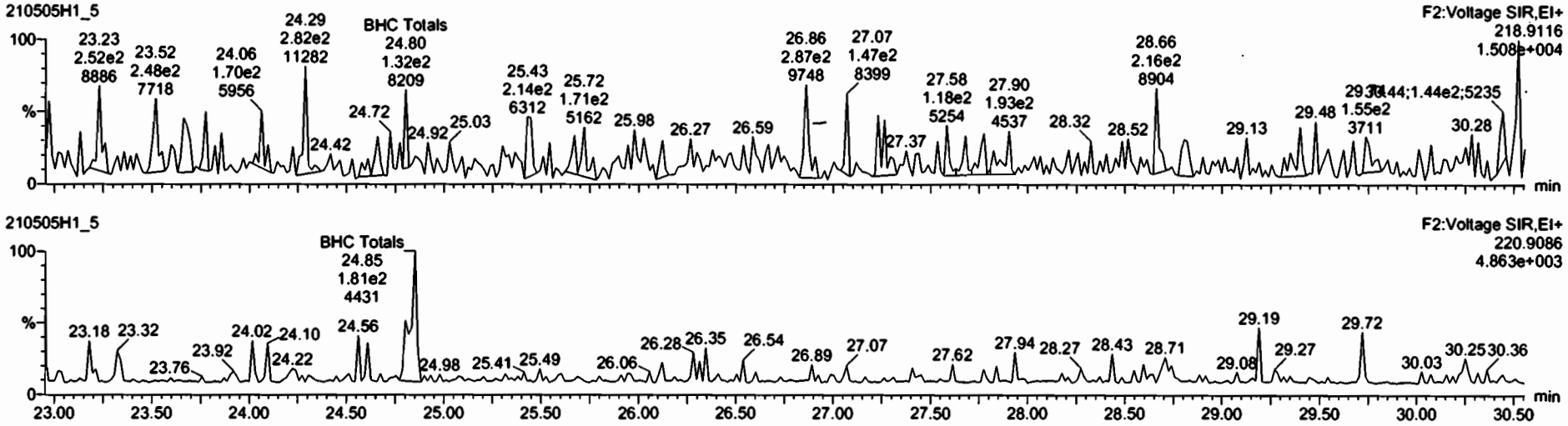


Dataset: U:\vg10.PRO\Results\210505H1\210505H1_5.qld

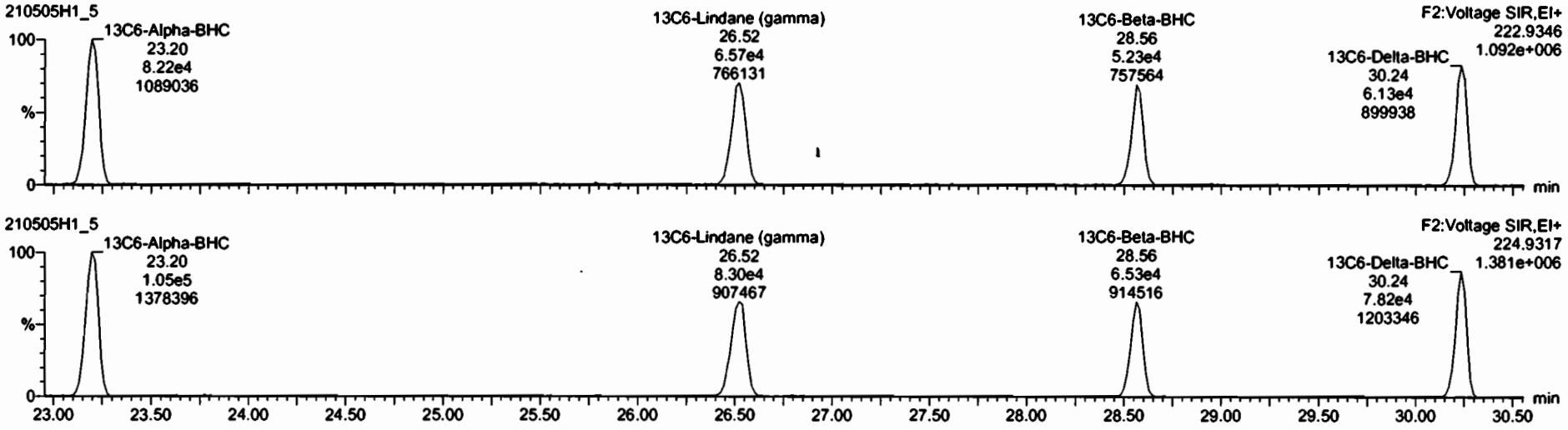
Last Altered: Wednesday, May 05, 2021 1:26:16 PM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:30:59 PM Pacific Daylight Time

Name: 210505H1_5, Date: 05-May-2021, Time: 12:28:19, ID: B1D0210-BLK1 Method Blank 1, Description: Method Blank

BHC Totals



BHC-isotopes

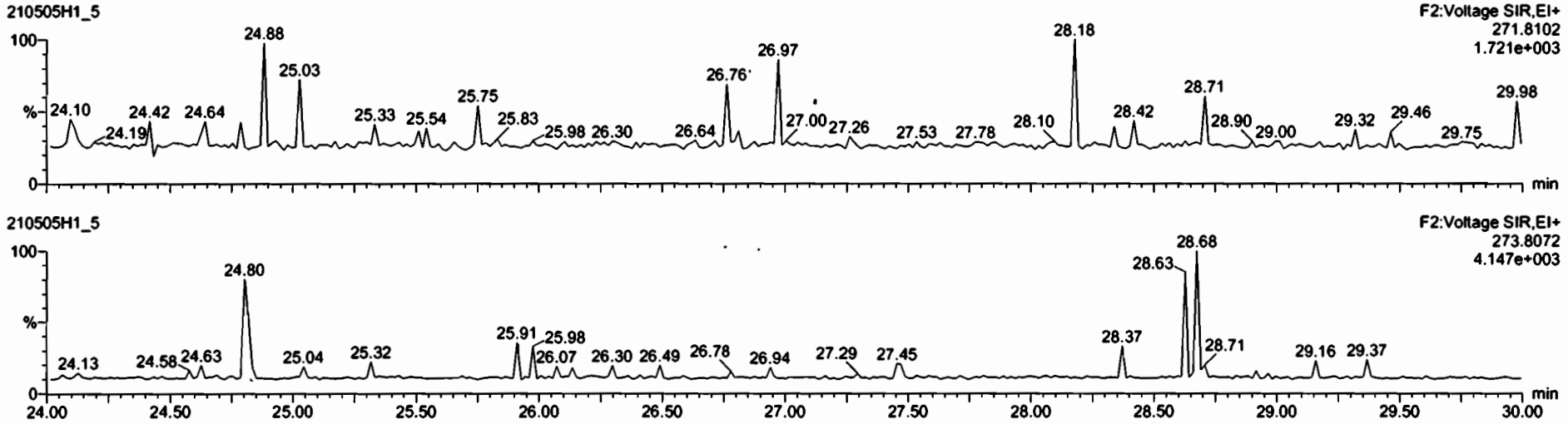


Dataset: U:\vg10.PRO\Results\210505H1\210505H1_5.qld

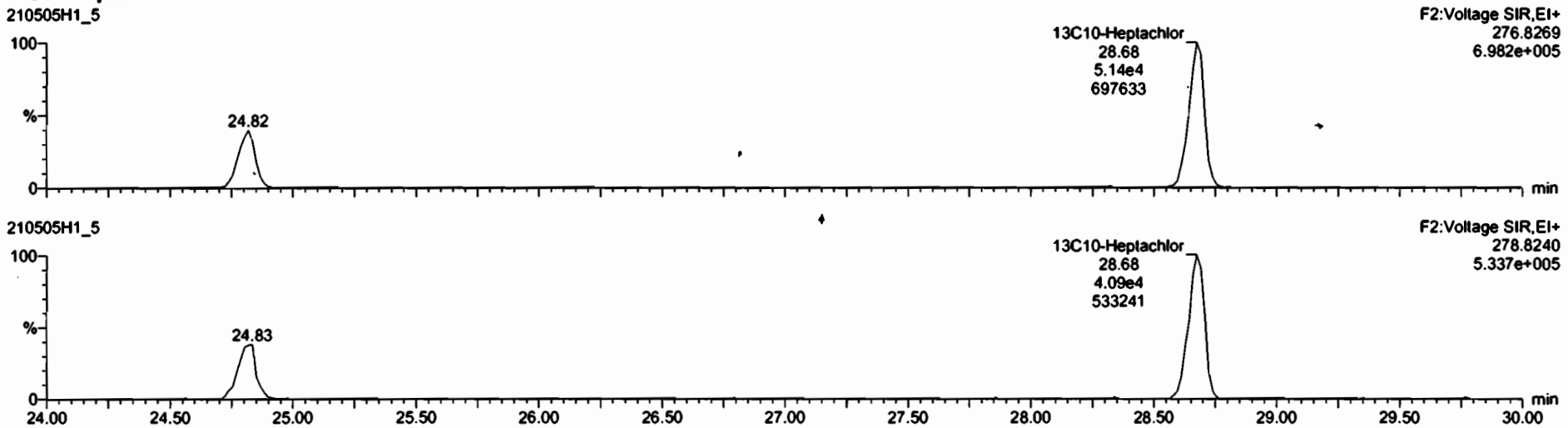
Last Altered: Wednesday, May 05, 2021 1:26:16 PM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:30:59 PM Pacific Daylight Time

Name: 210505H1_5, Date: 05-May-2021, Time: 12:28:19, ID: B1D0210-BLK1 Method Blank 1, Description: Method Blank

Heptachlor



13C10-Heptachlor

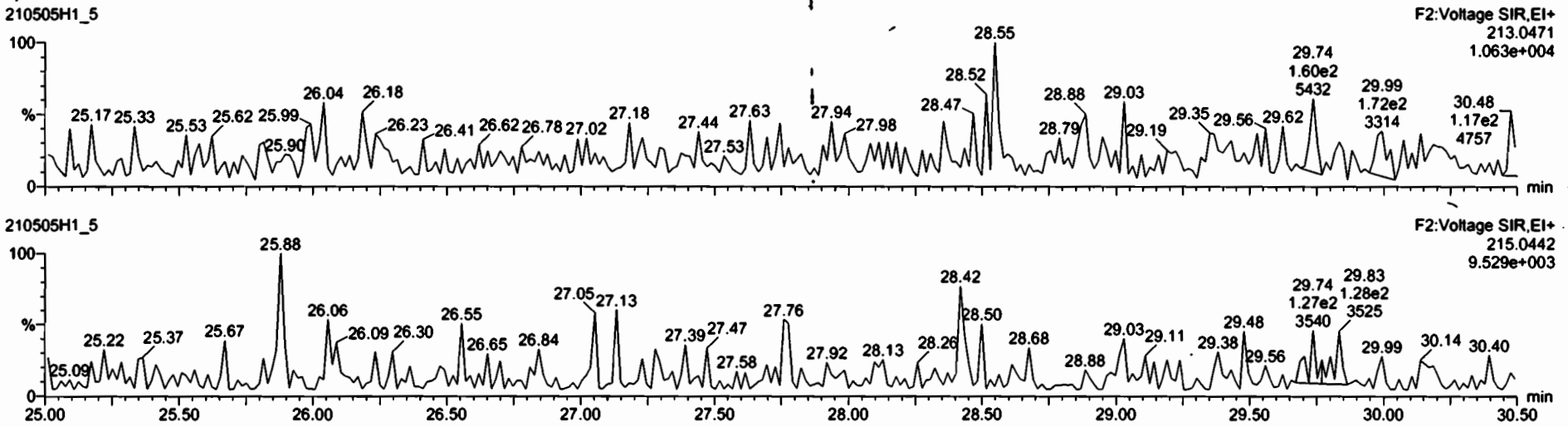


Dataset: U:\vg10.PRO\Results\210505H1\210505H1_5.qld

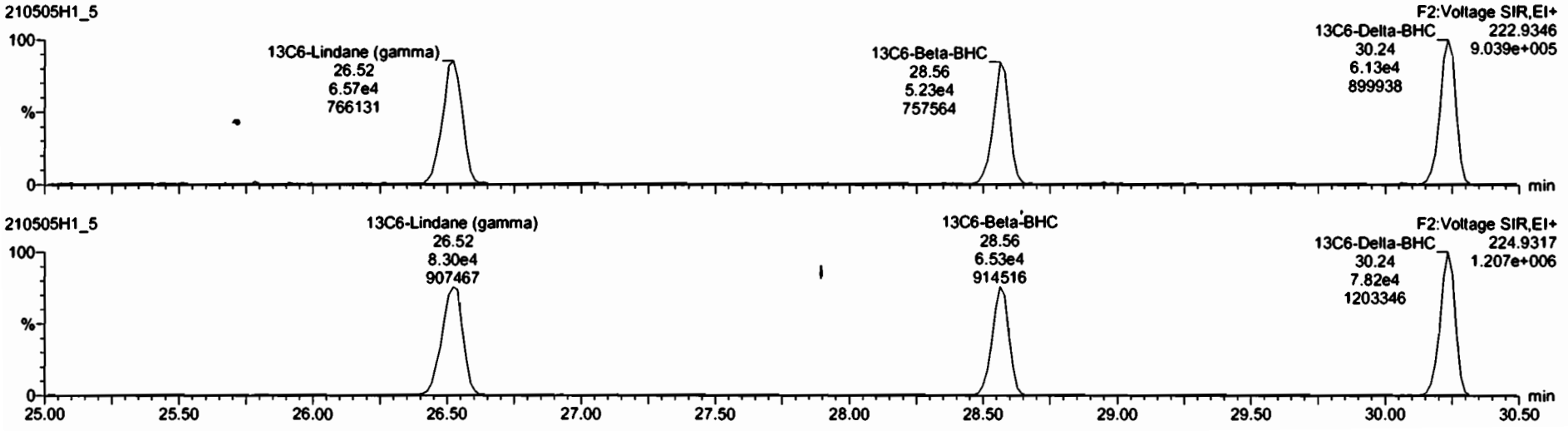
Last Altered: Wednesday, May 05, 2021 1:26:16 PM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:30:59 PM Pacific Daylight Time

Name: 210505H1_5, Date: 05-May-2021, Time: 12:28:19, ID: B1D0210-BLK1 Method Blank 1, Description: Method Blank

4,4'-DDNU



13C6-Delta-BHC

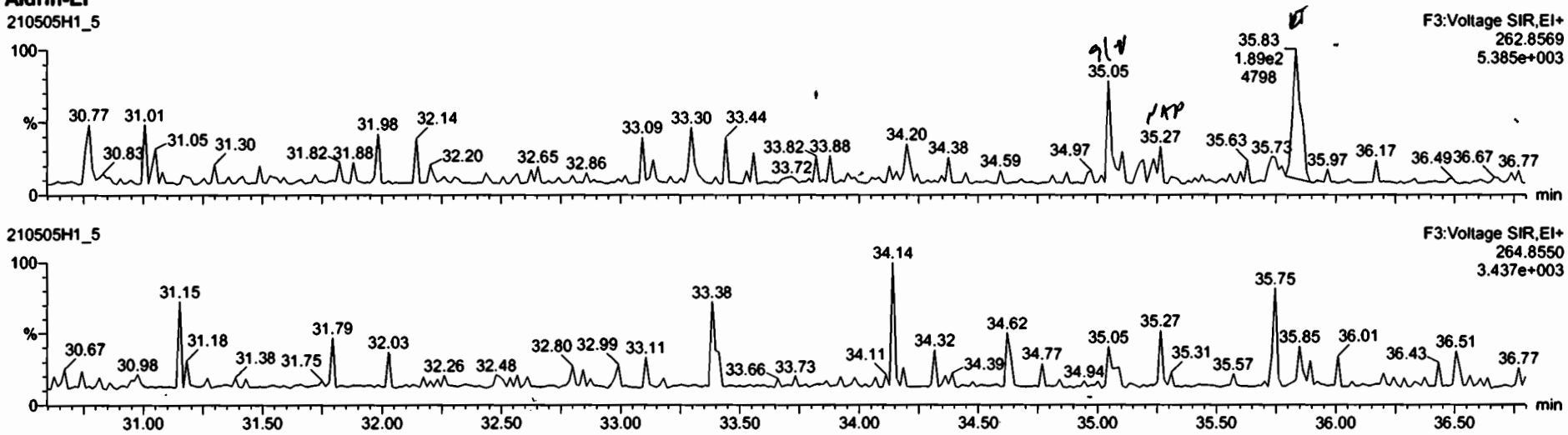


Dataset: U:\vg10.PRO\Results\210505H1\210505H1_5.qld

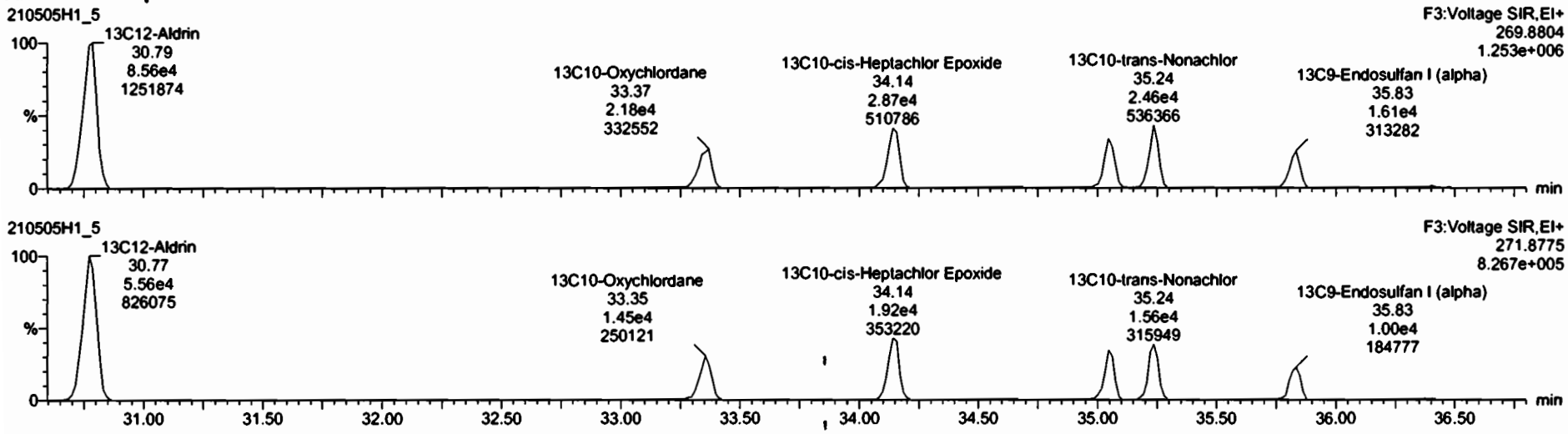
Last Altered: Wednesday, May 05, 2021 1:26:16 PM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:30:59 PM Pacific Daylight Time

Name: 210505H1_5, Date: 05-May-2021, Time: 12:28:19, ID: B1D0210-BLK1 Method Blank 1, Description: Method Blank

Aldrin-El



Aldrin-El-isotopes

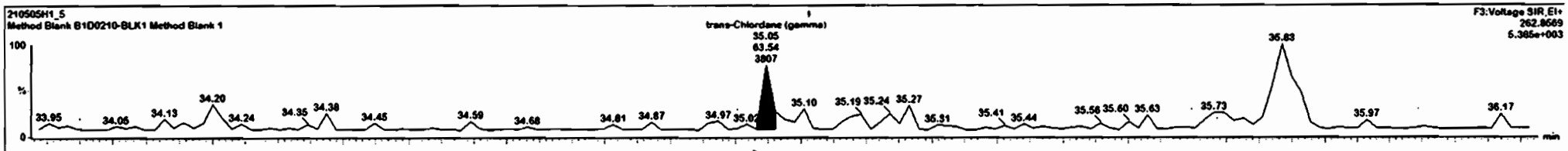


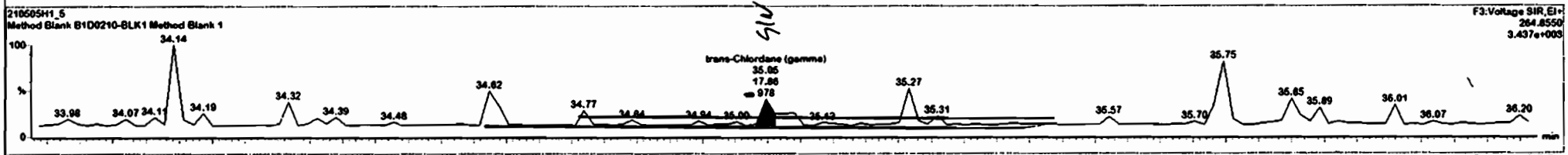
TargetLynx - 210505H1_5.qld * - [Chromatogram]

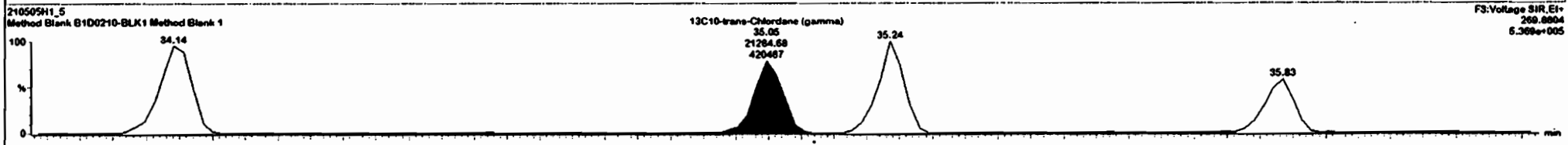
File Edit View Display Processing Window Help

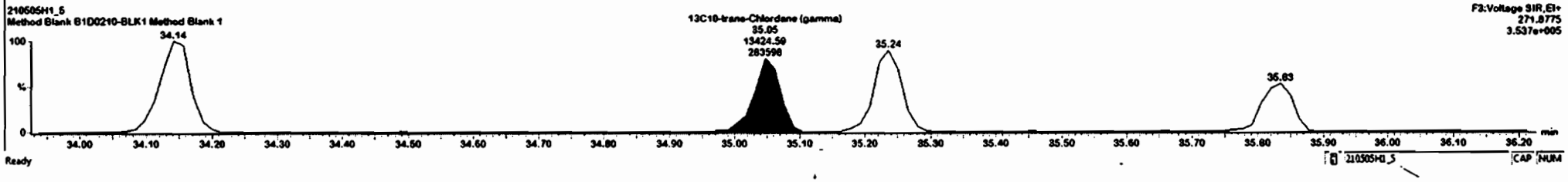
210505H1_5 - B1D0210-BLK1 Method Blank 1 - Method Blank

	#	Name	t Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
9	9	Aldrin		1.41e5		NO	1.12	1.0000		30.82		1.001	YES			0.597	
10	10	Oxychlordane		3.83e4		NO	1.11	1.0000		33.40		1.001	YES			2.24	
11	11	cis-Heptachlor Epoxide		4.80e4		NO	1.13	1.0000		34.12		1.001	YES			1.43	
12	12	trans-Heptachlor Epoxide		4.80e4		NO	0.27	1.0000		34.68		1.016	YES			5.92	
13	13	trans-Chlordane (gamma)	8.14e1	3.47e4	3.58	YES	1.19	1.0000	35.05	35.06	1.000	1.001	NO	1.964	--	1.68	1.18
14	14	trans-Nonachlor		4.03e4		NO	1.09	1.0000		35.24		1.000	YES			1.44	
15	15	cis-Chlordane		4.03e4		NO	1.20	1.0000		35.79		1.016	YES			1.30	
16	16	Endosulfan I (alpha)		2.62e4		NO	1.21	1.0000		35.87		1.001	YES			2.23	
17	17	4,4'-DDMU		8.49e5		NO		1.0000		35.49		0.994	YES			0.726	









Ready

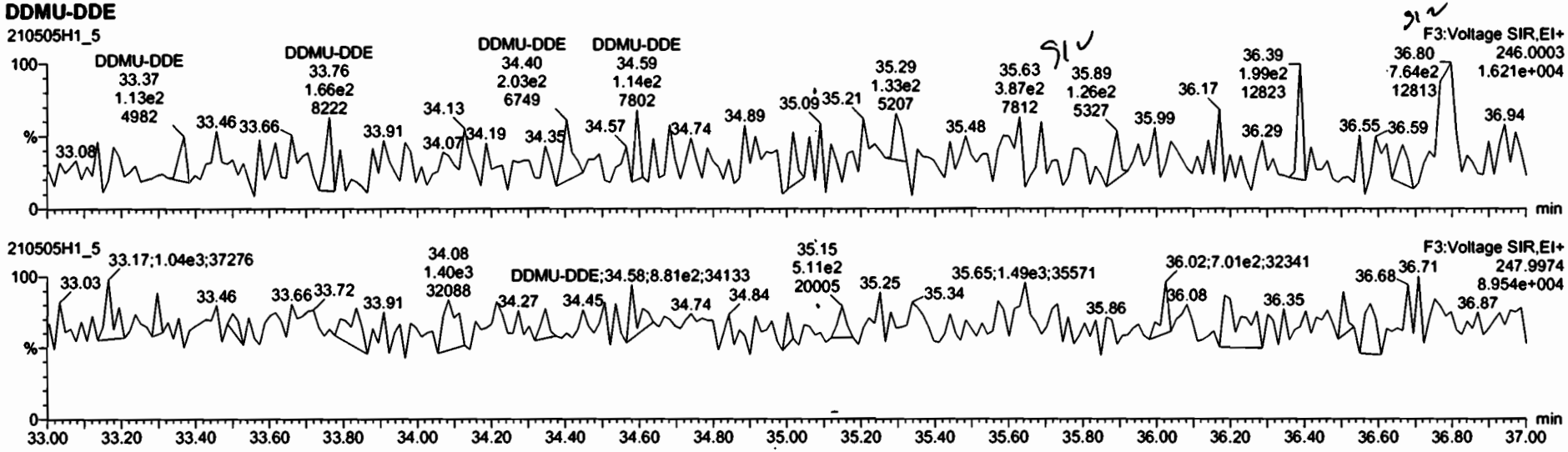
210505H1_5 CAP NUM

Dataset: U:\vg10.PRO\Results\210505H1\210505H1_5.qld

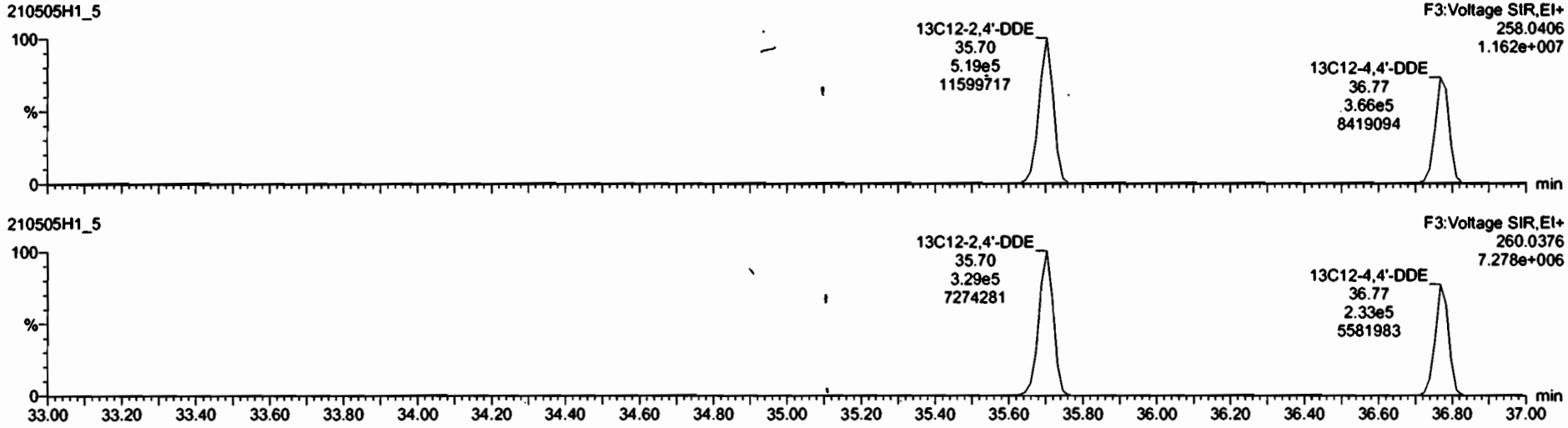
Last Altered: Wednesday, May 05, 2021 1:26:16 PM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:30:59 PM Pacific Daylight Time

Name: 210505H1_5, Date: 05-May-2021, Time: 12:28:19, ID: B1D0210-BLK1 Method Blank 1, Description: Method Blank

DDMU-DDE



DDE-isotopes

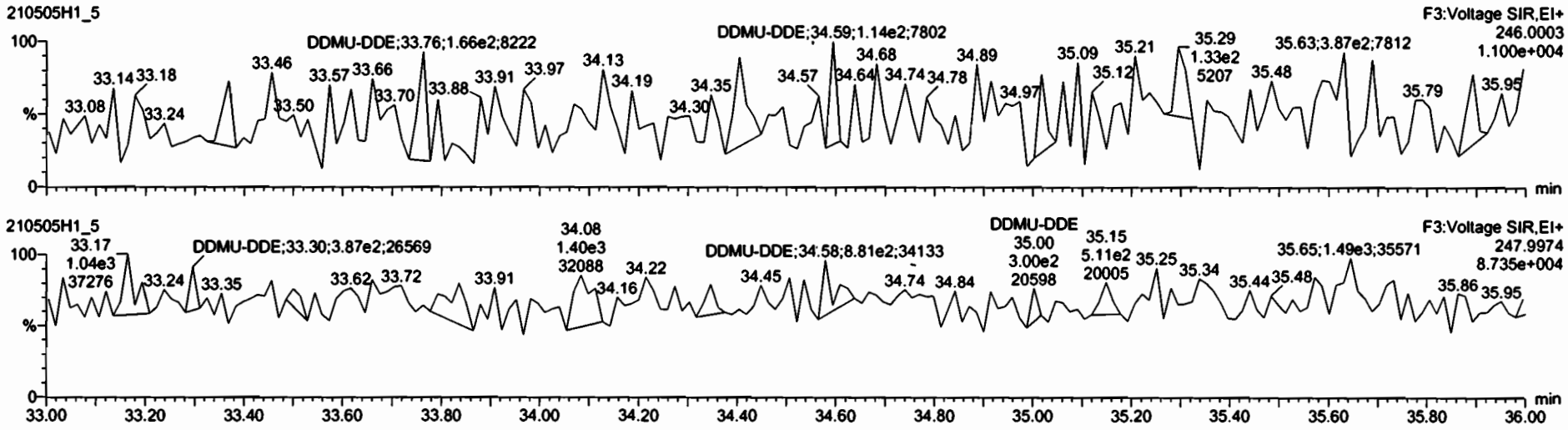


Dataset: U:\vg10.PRO\Results\210505H1\210505H1_5.qld

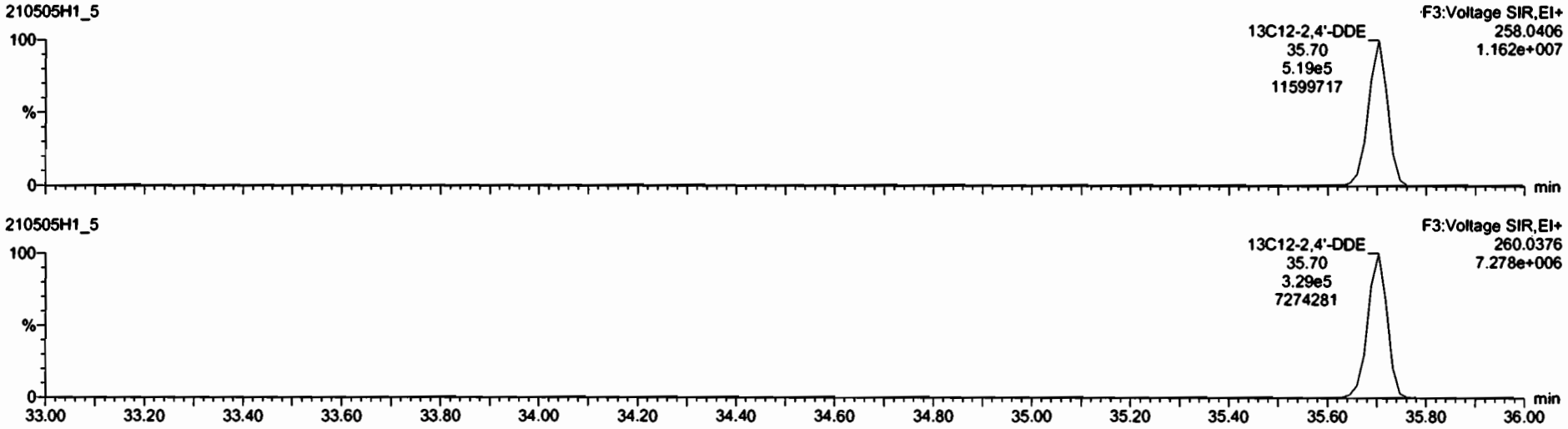
Last Altered: Wednesday, May 05, 2021 1:26:16 PM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:30:59 PM Pacific Daylight Time

Name: 210505H1_5, Date: 05-May-2021, Time: 12:28:19, ID: B1D0210-BLK1 Method Blank 1, Description: Method Blank

2,4'-DDE



13C12-2,4'-DDE

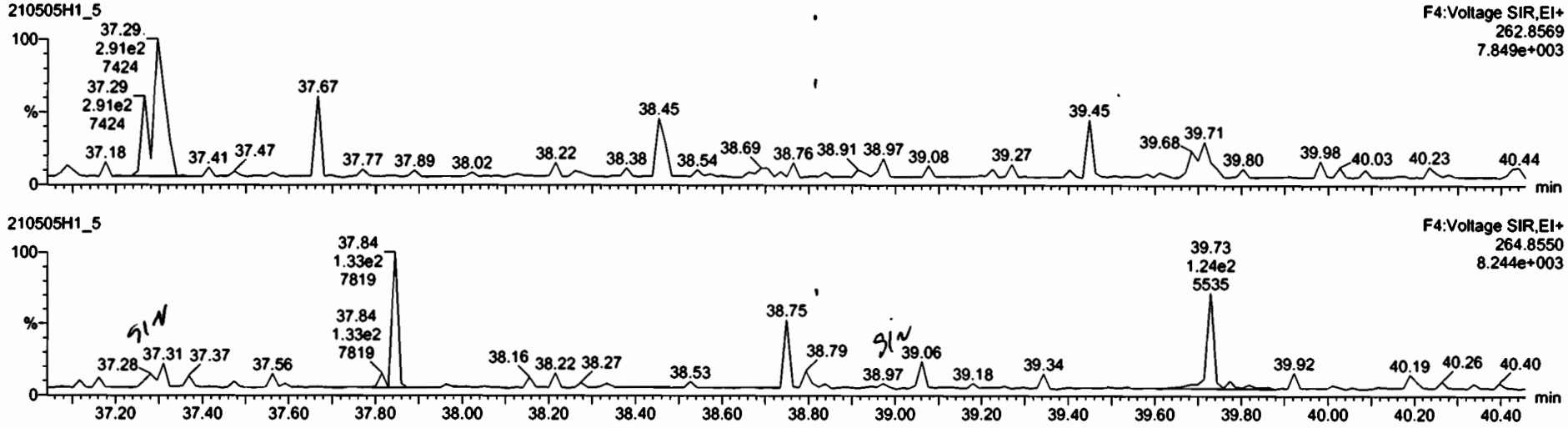


Dataset: U:\vg10.PRO\Results\210505H1\210505H1_5.qld

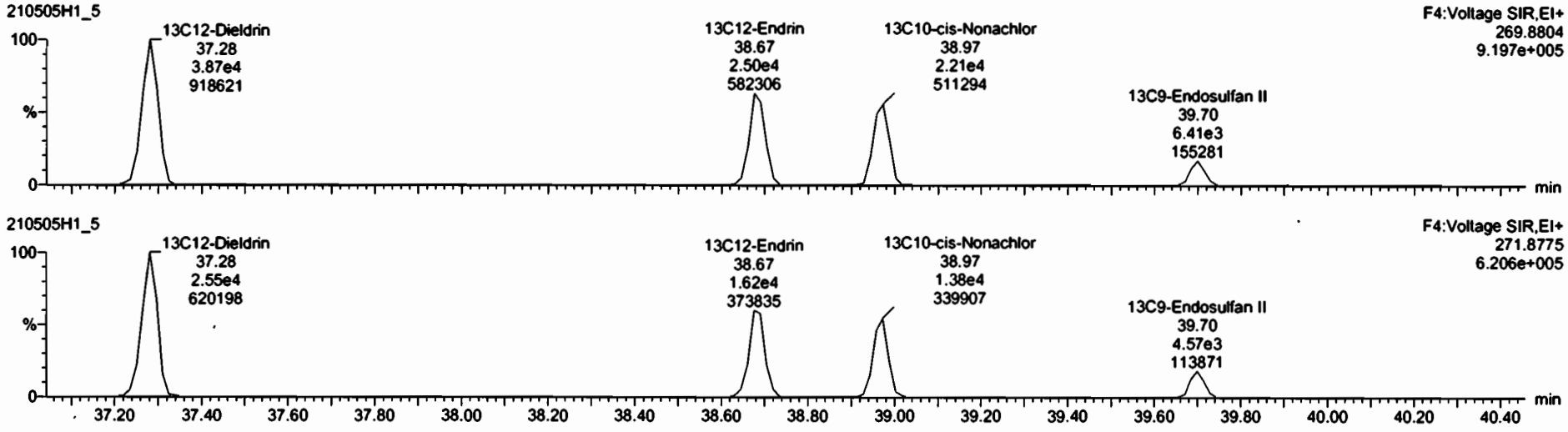
Last Altered: Wednesday, May 05, 2021 1:26:16 PM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:30:59 PM Pacific Daylight Time

Name: 210505H1_5, Date: 05-May-2021, Time: 12:28:19, ID: B1D0210-BLK1 Method Blank 1, Description: Method Blank

Dieldrin-EII



Dieldrin-EII-isotopes

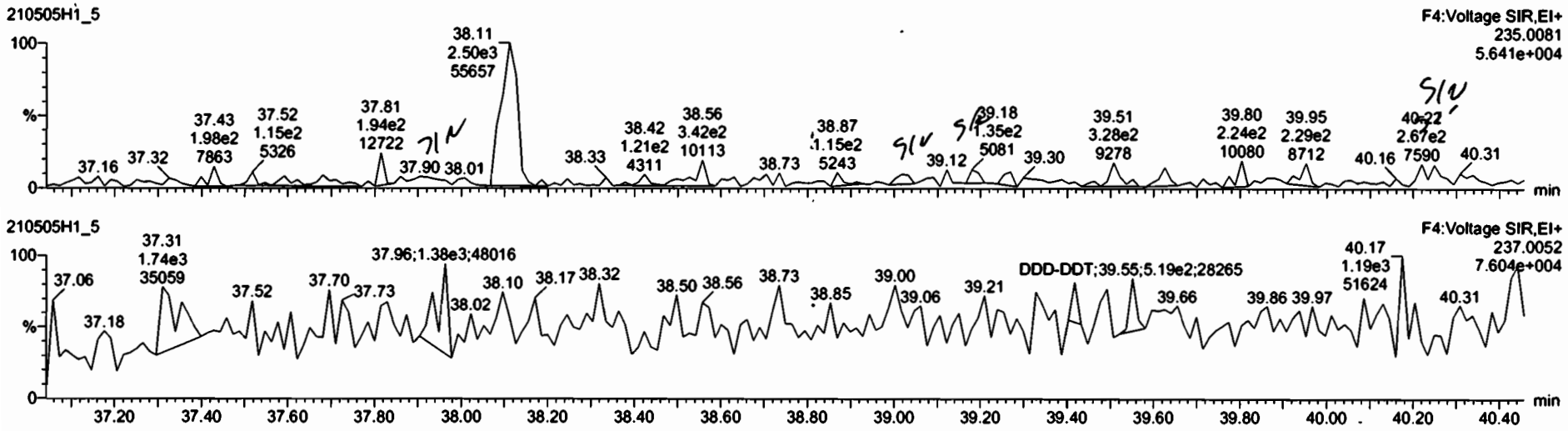


Dataset: U:\vg10.PRO\Results\210505H1\210505H1_5.qld

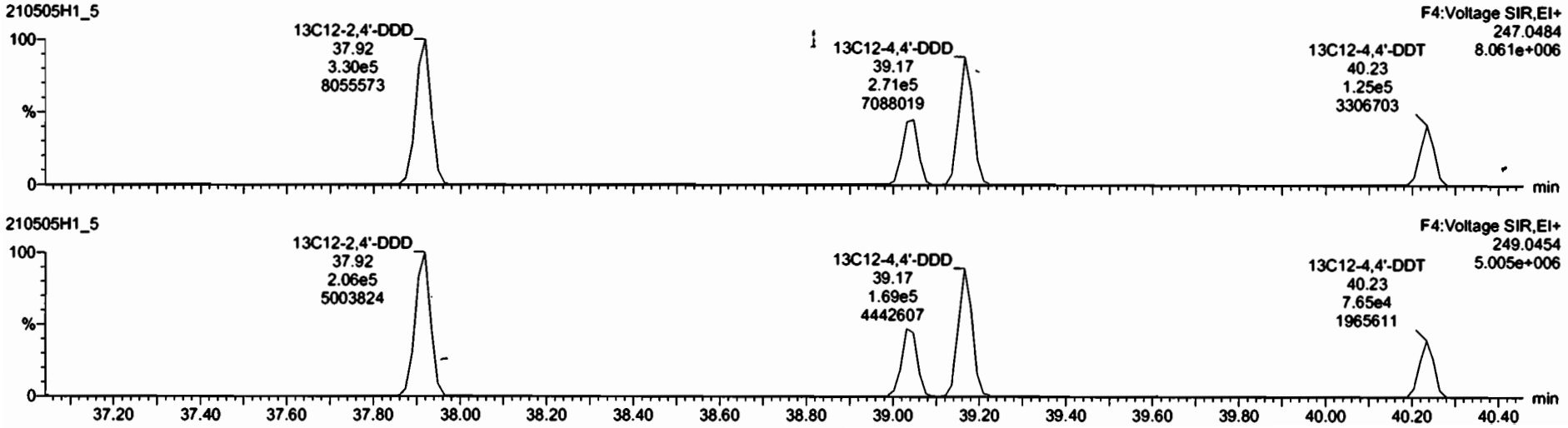
Last Altered: Wednesday, May 05, 2021 1:26:16 PM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:30:59 PM Pacific Daylight Time

Name: 210505H1_5, Date: 05-May-2021, Time: 12:28:19, ID: B1D0210-BLK1 Method Blank 1, Description: Method Blank

DDD-DDT



DDD-DDT-isotopes

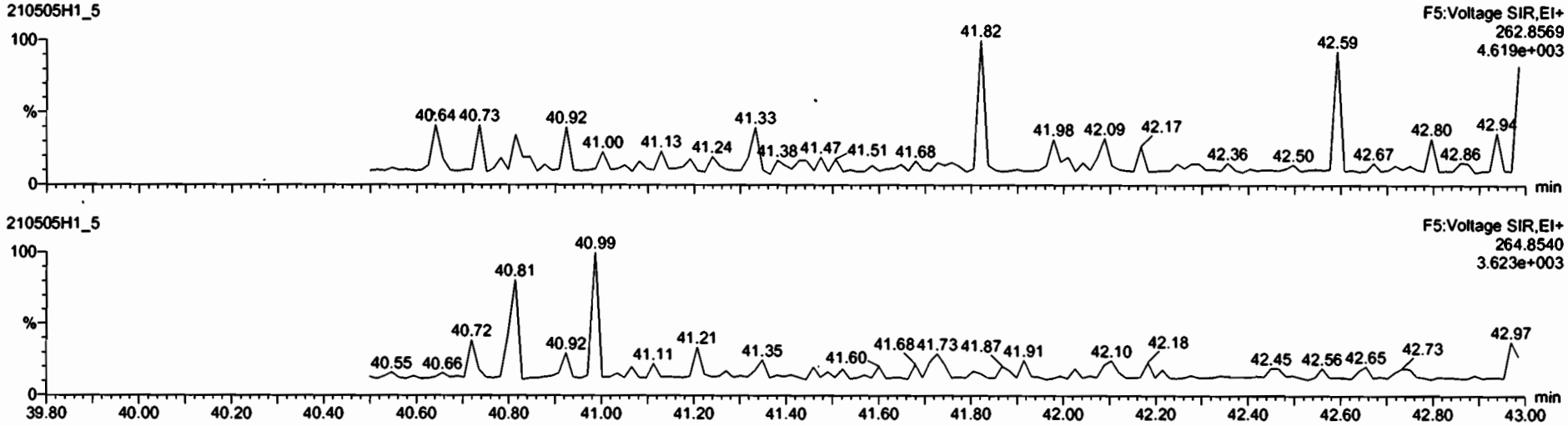


Dataset: U:\vg10.PRO\Results\210505H1\210505H1_5.qld

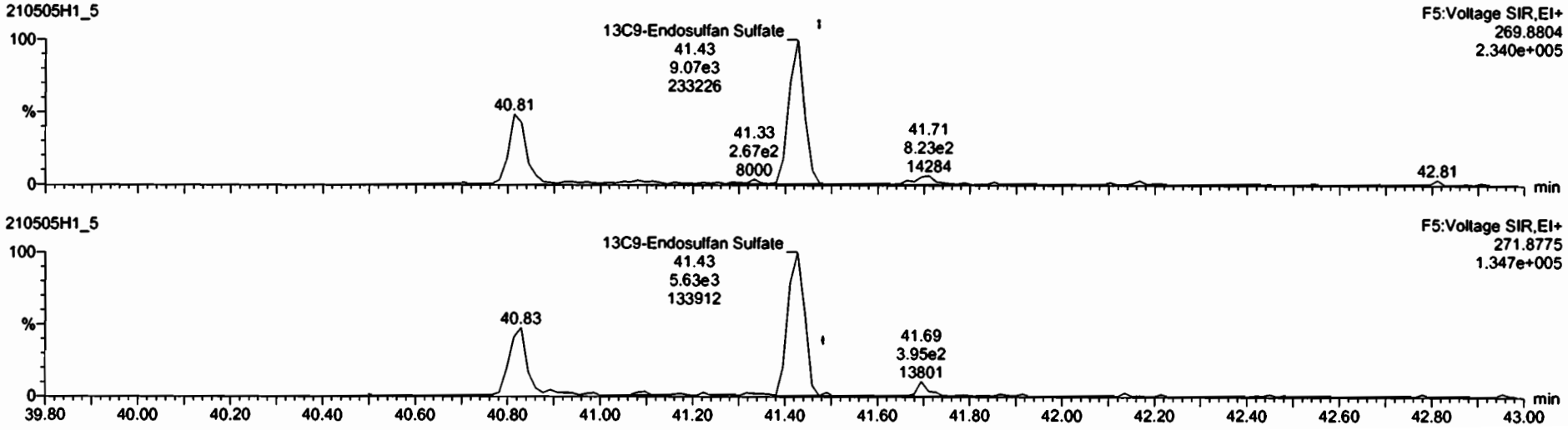
Last Altered: Wednesday, May 05, 2021 1:26:16 PM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:30:59 PM Pacific Daylight Time

Name: 210505H1_5, Date: 05-May-2021, Time: 12:28:19, ID: B1D0210-BLK1 Method Blank 1, Description: Method Blank

Endosulfan Sulfate



13C9-Endosulfan Sulfate

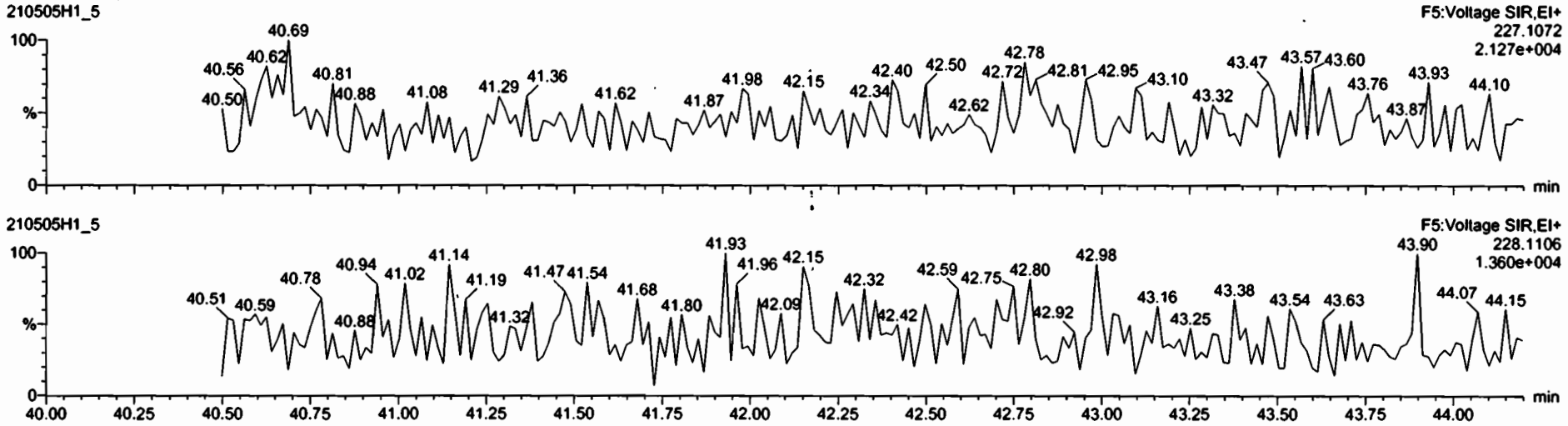


Dataset: U:\vg10.PRO\Results\210505H1\210505H1_5.qld

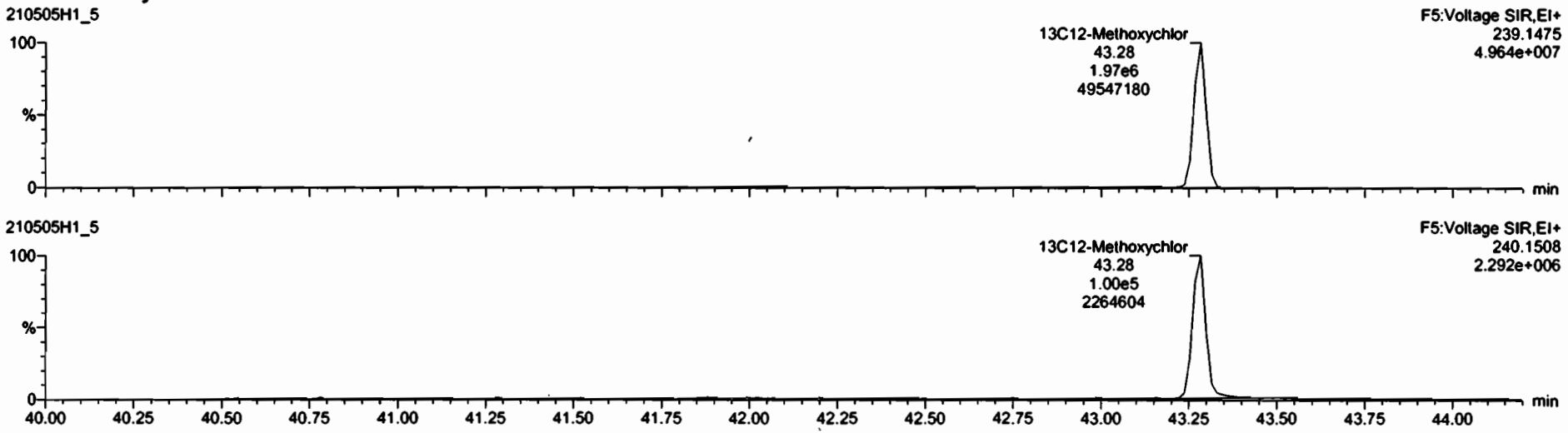
Last Altered: Wednesday, May 05, 2021 1:26:16 PM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:30:59 PM Pacific Daylight Time

Name: 210505H1_5, Date: 05-May-2021, Time: 12:28:19, ID: B1D0210-BLK1 Method Blank 1, Description: Method Blank

4,4'-Methoxychlor



13C12-Methoxychlor

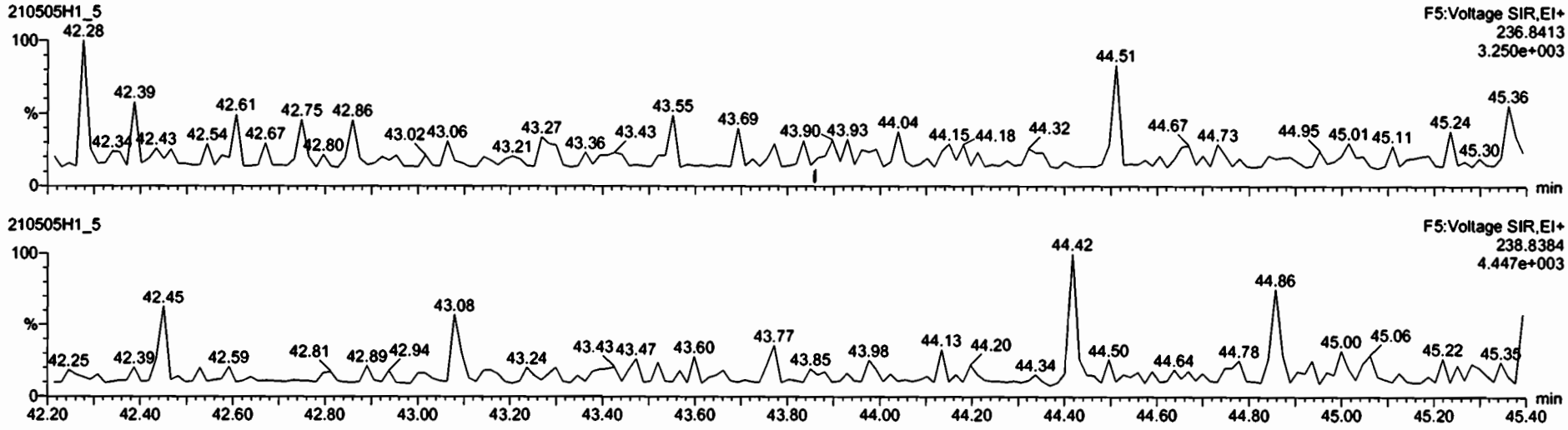


Dataset: U:\vg10.PRO\Results\210505H1\210505H1_5.qld

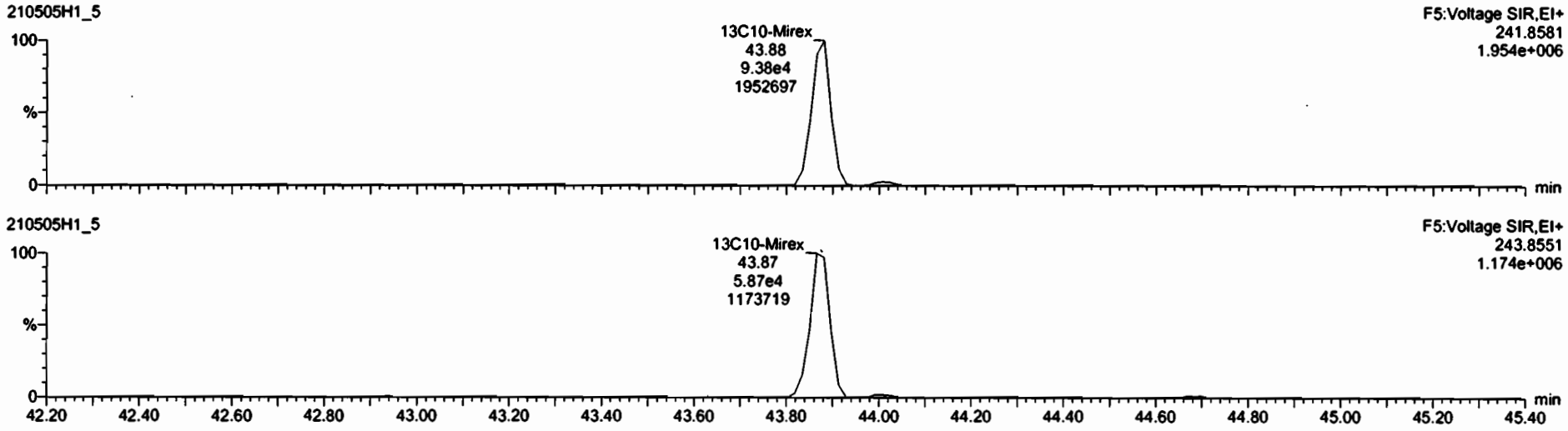
Last Altered: Wednesday, May 05, 2021 1:26:16 PM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:30:59 PM Pacific Daylight Time

Name: 210505H1_5, Date: 05-May-2021, Time: 12:28:19, ID: B1D0210-BLK1 Method Blank 1, Description: Method Blank

Mirex



13C10-Mirex



Dataset: U:\vg10.PRO\Results\210505H1\210505H1_5.qld

Last Altered: Wednesday, May 05, 2021 1:26:16 PM Pacific Daylight Time
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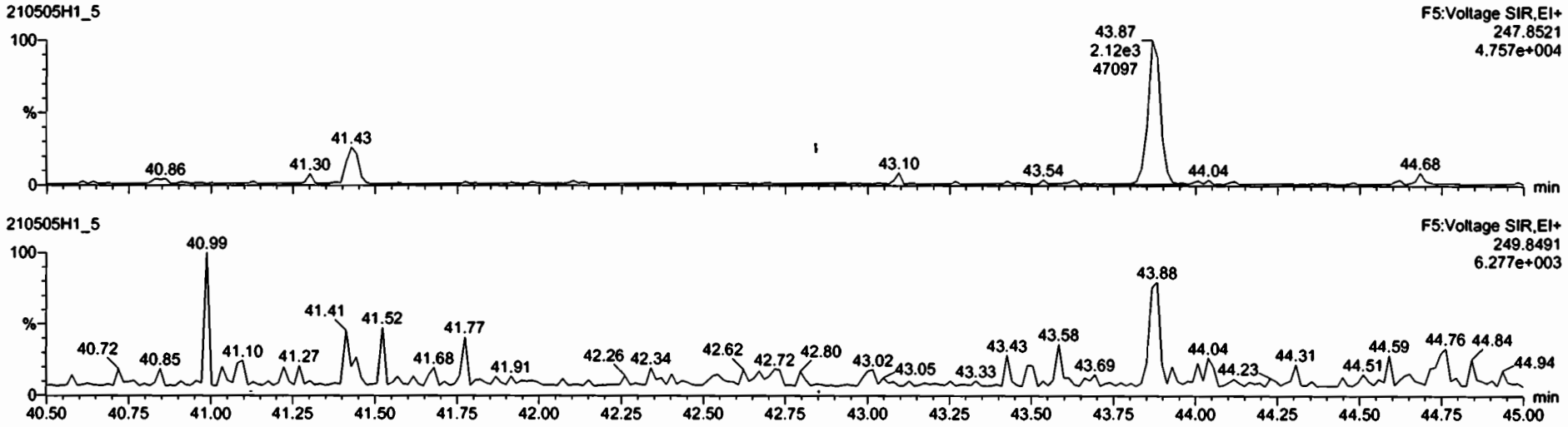
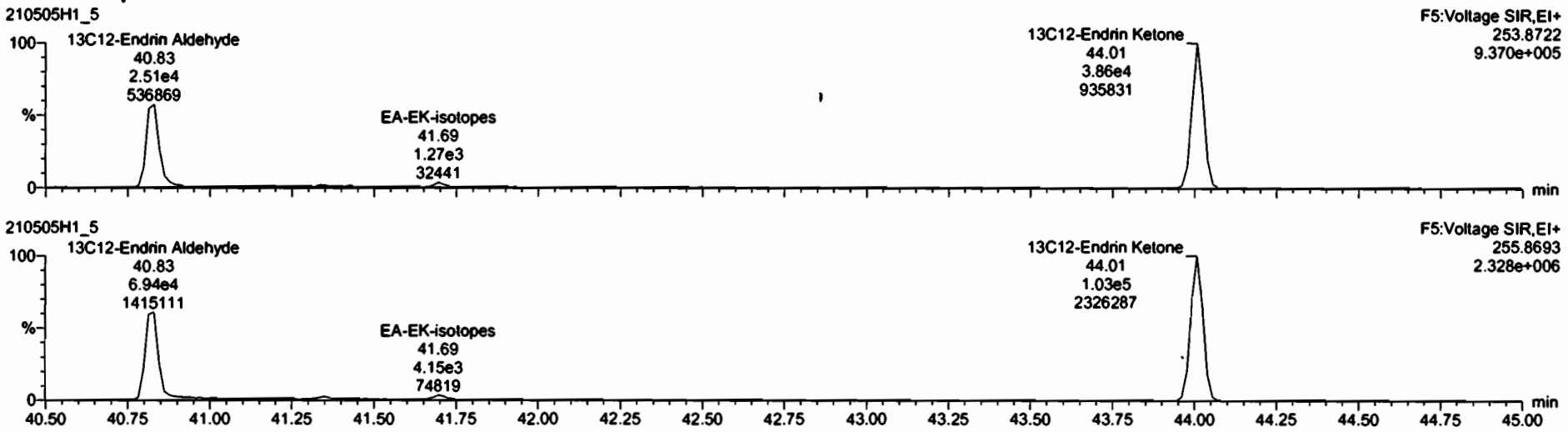
Name: 210505H1_5, Date: 05-May-2021, Time: 12:28:19, ID: B1D0210-BLK1 Method Blank 1, Description: Method Blank

EA-EK



EA-EK-Isotopes

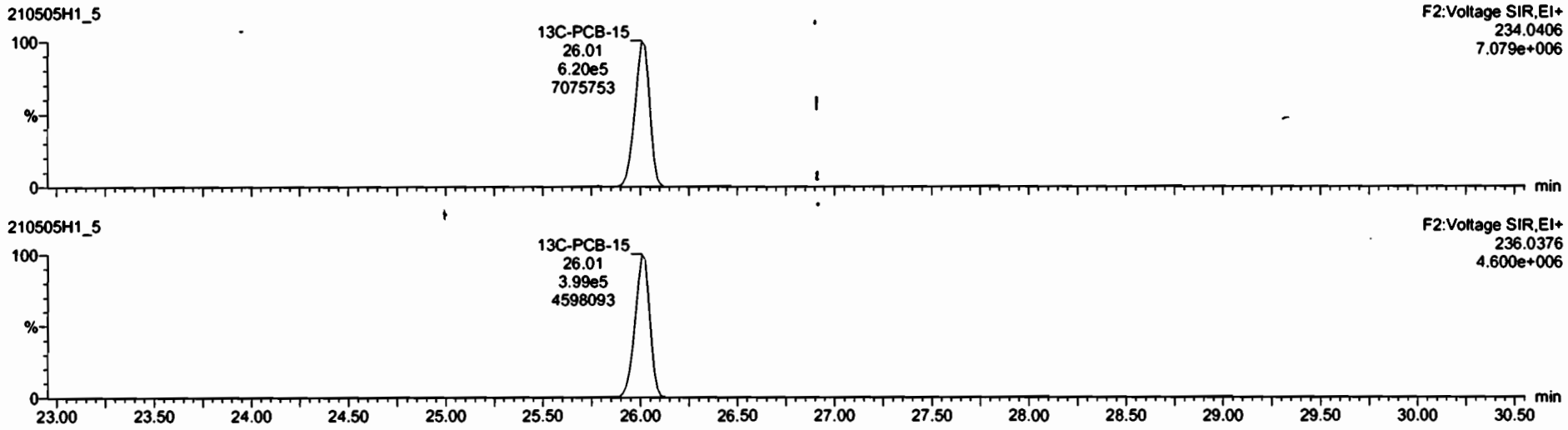


Dataset: U:\vg10.PRO\Results\210505H1\210505H1_5.qld

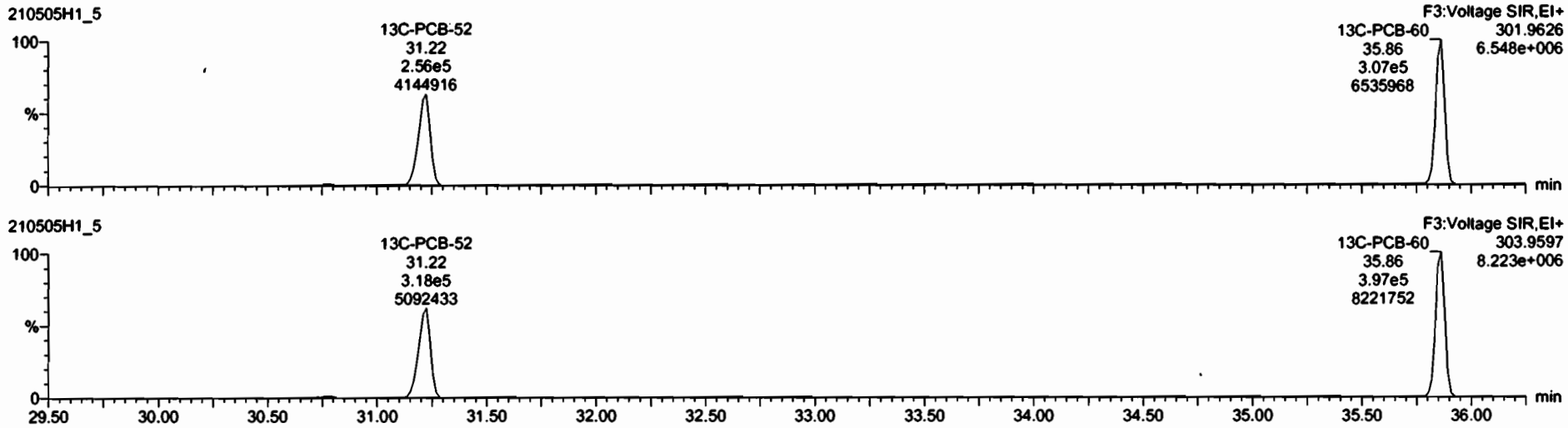
Last Altered: Wednesday, May 05, 2021 1:26:16 PM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:30:59 PM Pacific Daylight Time

Name: 210505H1_5, Date: 05-May-2021, Time: 12:28:19, ID: B1D0210-BLK1 Method Blank 1, Description: Method Blank

13C-PCB-15



13C-PCB-60

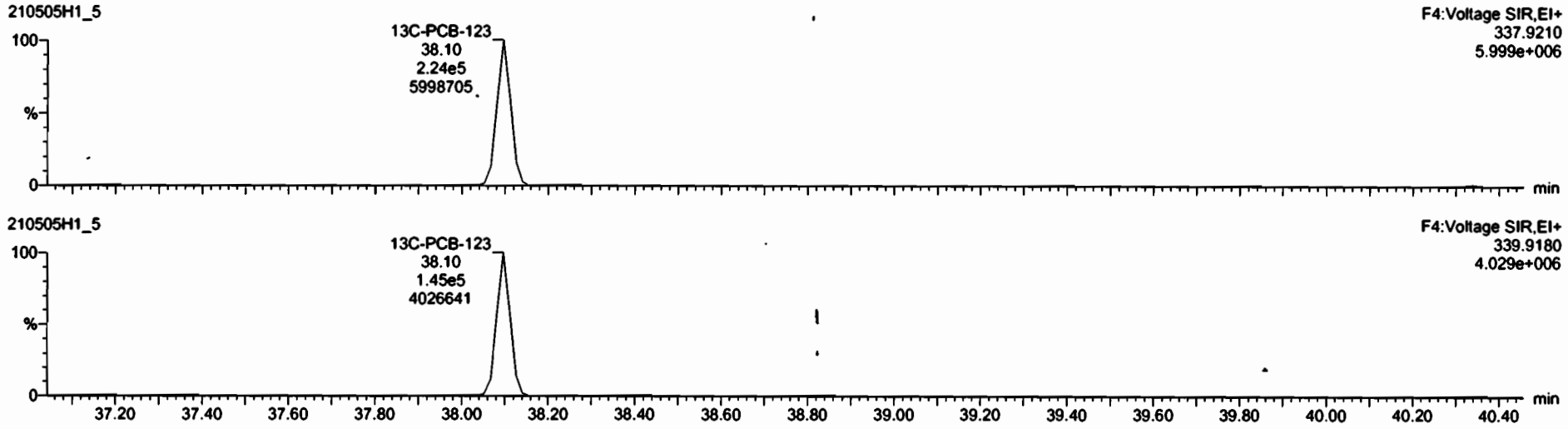


Dataset: U:\vg10.PRO\Results\210505H1\210505H1_5.qld

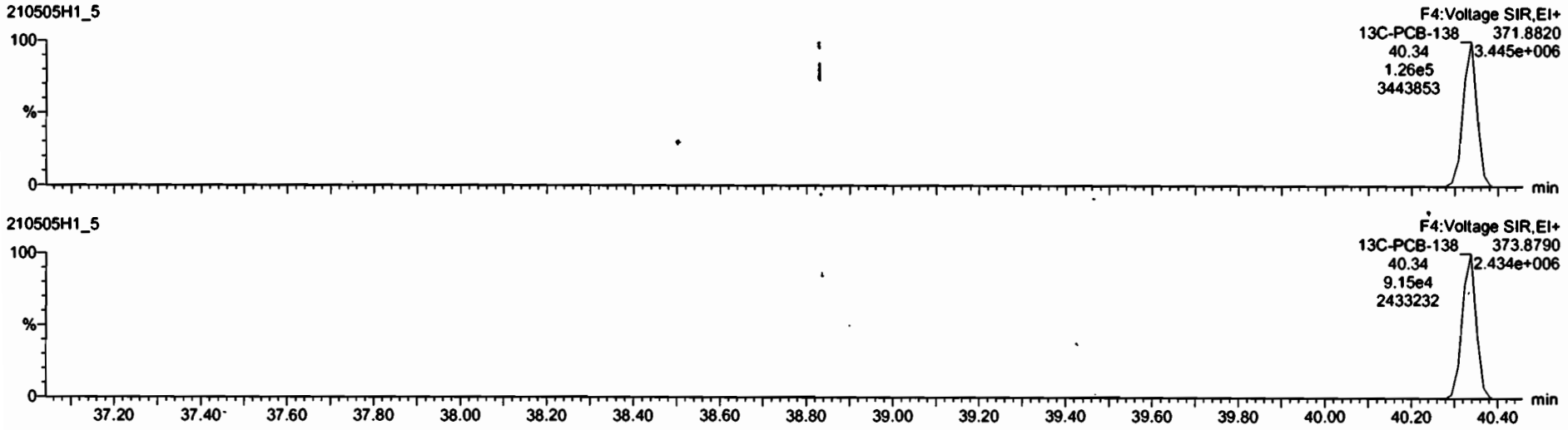
Last Altered: Wednesday, May 05, 2021 1:26:16 PM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:30:59 PM Pacific Daylight Time

Name: 210505H1_5, Date: 05-May-2021, Time: 12:28:19, ID: B1D0210-BLK1 Method Blank 1, Description: Method Blank

13C-PCB-123



13C-PCB-138

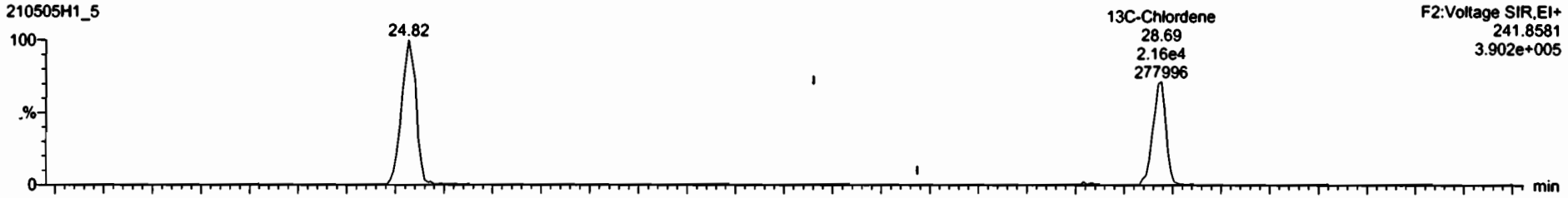


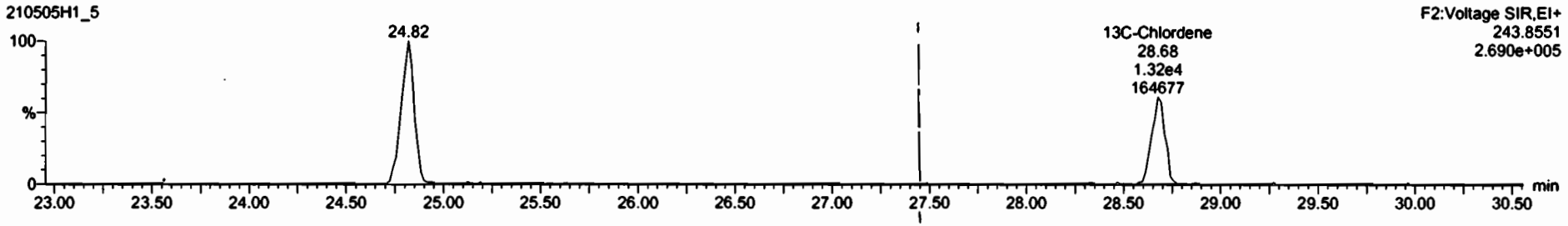
Dataset: U:\vg10.PRO\Results\210505H1\210505H1_5.qld

Last Altered: Wednesday, May 05, 2021 1:26:16 PM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:30:59 PM Pacific Daylight Time

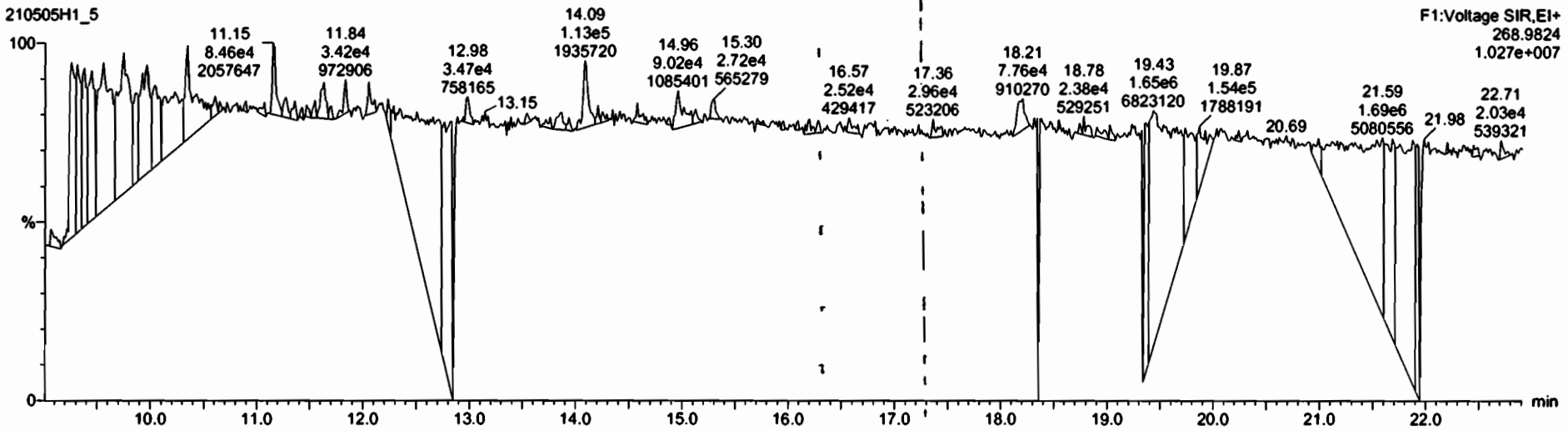
Name: 210505H1_5, Date: 05-May-2021, Time: 12:28:19, ID: B1D0210-BLK1 Method Blank 1, Description: Method Blank

13C-Chlordene





PFK1

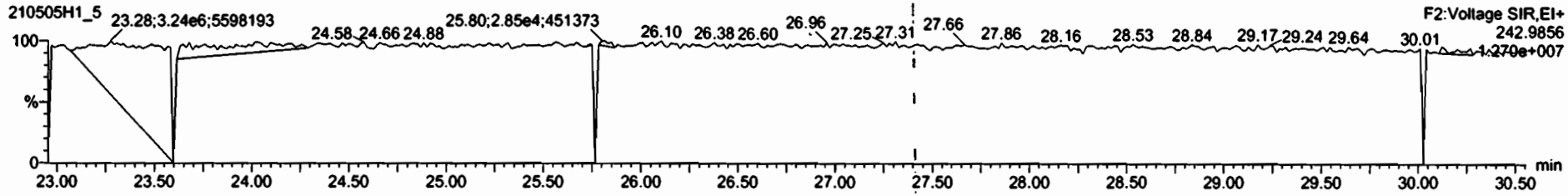


Dataset: U:\vg10.PRO\Results\210505H1\210505H1_5.qld

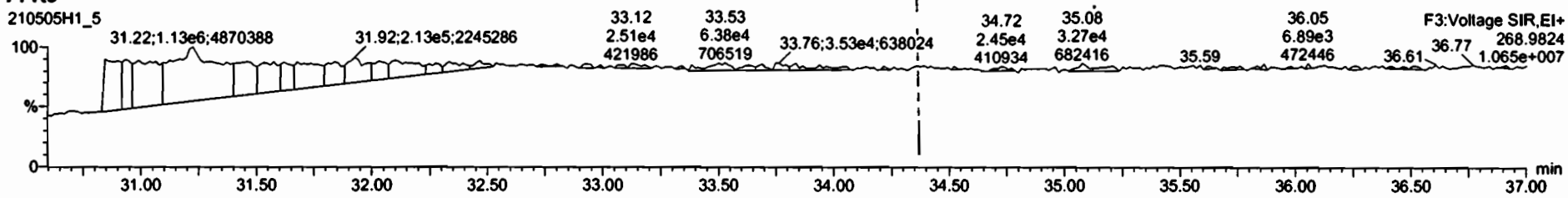
Last Altered: Wednesday, May 05, 2021 1:26:16 PM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:30:59 PM Pacific Daylight Time

Name: 210505H1_5, Date: 05-May-2021, Time: 12:28:19, ID: B1D0210-BLK1 Method Blank 1, Description: Method Blank

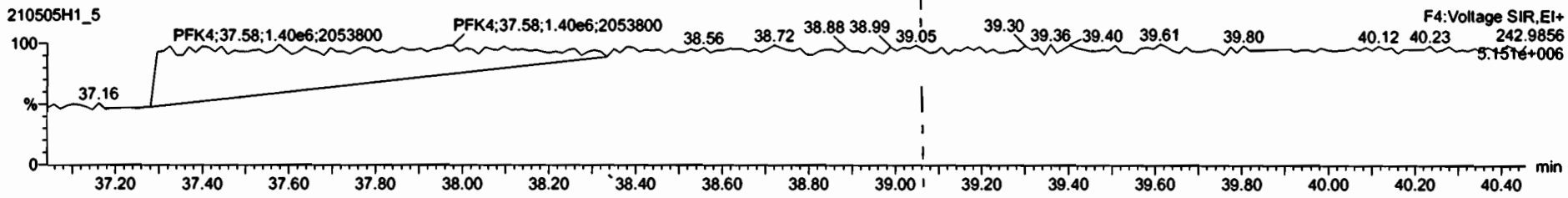
PFK2



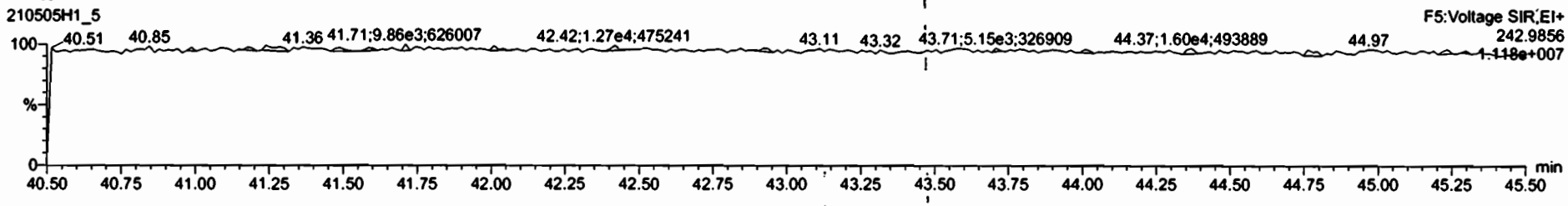
PFK3



PFK4



PFK5



Quantify Sample Summary Report **MassLynx 4.1 SCN815**
Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210505H1\210505H1_3.qld

Last Altered: Thursday, May 06, 2021 10:17:45 Pacific Daylight Time
Printed: Thursday, May 06, 2021 10:19:04 Pacific Daylight Time

~~DF 05/05/21~~
05/06/21

C 05/07/2021

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210505H1_3, Date: 05-May-2021, Time: 10:53:01, ID: B1D0210-BS1 OPR 1, Description: OPR, Task: ST210505H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc	%Rec	DL	EMPC
1	4	Lindane (gamma-...	1.40e5	1.65e5	2.16	NO	0.847	1.000	26.56	1.001	1.000	NO	1006.5		3.54	1010
2	9	Aldrin	1.59e5	1.58e5	1.64	NO	1.12	1.000	30.82	1.001	1.001	NO	901.39		1.04	901
3	10	Oxychlordane	4.46e4	4.74e4	1.73	NO	1.11	1.000	33.38	1.001	1.001	NO	851.12		2.94	851
4	13	trans-Chlordane (g...	4.47e4	4.02e4	1.72	NO	1.19	1.000	35.08	1.001	1.001	NO	930.26		2.53	930
5	14	trans-Nonachlor	4.54e4	4.43e4	1.55	NO	1.09	1.000	35.25	1.000	1.000	NO	941.34		2.58	941
6	15	cis-Chlordane	4.93e4	4.43e4	1.62	NO	1.20	1.000	35.75	1.015	1.016	NO	925.86		2.34	926
7	18	2,4'-DDE	9.22e5	1.01e6	1.54	NO	1.01	1.000	35.72	1.000	1.000	NO	896.97		1.64	897
8	19	4,4'-DDE	6.72e5	7.39e5	1.55	NO	1.03	1.000	36.78	1.000	1.000	NO	880.49		2.06	880
9	20	Dieldrin	7.65e4	7.91e4	1.60	NO	1.05	1.000	37.31	1.001	1.001	NO	918.34		1.87	918
10	22	cis-Nonachlor	4.36e4	4.31e4	1.54	NO	1.05	1.000	38.99	1.001	1.000	NO	959.12		3.36	959

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210505H1\210505H1_3.qld

Last Altered: Thursday, May 06, 2021 10:17:45 Pacific Daylight Time
Printed: Thursday, May 06, 2021 10:19:15 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210505H1_3, Date: 05-May-2021, Time: 10:53:01, ID: B1D0210-BS1 OPR 1, Description: OPR, Task: ST210505H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	24	2,4'-DDD	6.35e5	6.92e5	1.56	NO	1.03	1.000	37.93	1.000	1.000	NO	893.80		2.76	894
2	25	2,4'-DDT	3.45e5	3.48e5	1.55	NO	1.02	1.000	39.05	1.000	1.000	NO	974.88		5.25	975
3	26	4,4'-DDD	6.02e5	5.88e5	1.53	NO	1.10	1.000	39.18	1.000	1.000	NO	929.06		2.75	929
4	27	4,4'-DDT	2.83e5	2.79e5	1.52	NO	1.11	1.000	40.25	1.000	1.001	NO	914.84		5.56	915
5	36	13C6-Lindane (ga...	1.65e5	1.12e6	0.81	NO	0.190	1.000	26.52	1.020	1.019	NO	772.57	77.3	7.51	
6	40	13C12-Aldrin	1.58e5	1.12e6	1.54	NO	0.152	1.000	30.77	1.183	1.181	NO	922.79	92.3	2.00	
7	41	13C10-Oxychlorda...	4.74e4	1.12e6	1.59	NO	0.0441	1.000	33.35	1.282	1.280	NO	957.31	95.7	6.89	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210505H1\210505H1_3.qld

Last Altered: Thursday, May 06, 2021 10:17:45 Pacific Daylight Time
Printed: Thursday, May 06, 2021 10:19:23 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210505H1_3, Date: 05-May-2021, Time: 10:53:01, ID: B1D0210-BS1 OPR 1, Description: OPR, Task: ST210505H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred RRT	CheckRRT	Conc	%Rec	DL	EMPC
1	43	13C10-trans-Chlor...	4.02e4	1.12e6	1.54	NO	0.0390	1.000	35.05	1.348	1.344	NO	919.18	91.9	7.79	
2	44	13C10-trans-Nona...	4.43e4	7.94e5	1.56	NO	0.0772	1.000	35.24	0.983	0.983	NO	722.12	72.2	3.04	
3	46	13C12-2,4'-DDE	1.01e6	7.94e5	1.52	NO	1.84	1.000	35.70	0.996	0.995	NO	693.85	69.4	0.818	
4	47	13C12-4,4'-DDE	7.39e5	7.94e5	1.60	NO	1.31	1.000	36.77	1.025	1.026	NO	712.56	71.3	1.15	
5	48	13C12-Dieldrin	7.91e4	7.94e5	1.57	NO	0.177	1.000	37.28	1.040	1.040	NO	562.15	56.2	1.63	
6	50	13C10-cis-Nonach...	4.31e4	7.94e5	1.69	NO	0.0908	1.000	38.96	1.086	1.087	NO	597.71	59.8	3.18	
7	52	13C12-2,4'-DDD	6.92e5	7.94e5	1.61	NO	1.21	1.000	37.92	1.057	1.057	NO	718.00	71.8	1.45	
8	53	13C12-2,4'-DDT	3.48e5	7.94e5	1.54	NO	0.662	1.000	39.03	1.088	1.089	NO	661.64	66.2	2.65	
9	54	13C12-4,4'-DDD	5.88e5	7.94e5	1.60	NO	0.950	1.000	39.17	1.092	1.092	NO	779.54	78.0	1.85	
10	55	13C12-4,4'-DDT	2.79e5	7.94e5	1.56	NO	0.455	1.000	40.24	1.122	1.122	NO	773.14	77.3	3.87	
11	62	13C-PCB-15	1.12e6	1.12e6	1.55	NO	1.00	1.000	26.01	1.000	1.000	NO	1000.0	100	0.762	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210505H1\210505H1_3.qld

Last Altered: Thursday, May 06, 2021 10:17:45 Pacific Daylight Time
Printed: Thursday, May 06, 2021 10:19:28 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210505H1_3, Date: 05-May-2021, Time: 10:53:01, ID: B1D0210-BS1 OPR 1, Description: OPR, Task: ST210505H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	63	13C-PCB-60	7.94e5	7.94e5	0.79	NO	1.00	1.000	35.86	1.000	1.000	NO	1000.0	100	1.44	

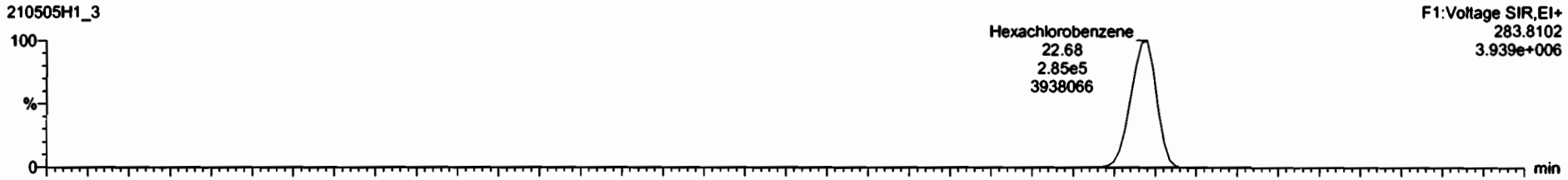
Dataset: U:\vg10.PRO\Results\210505H1\210505H1_3.qld

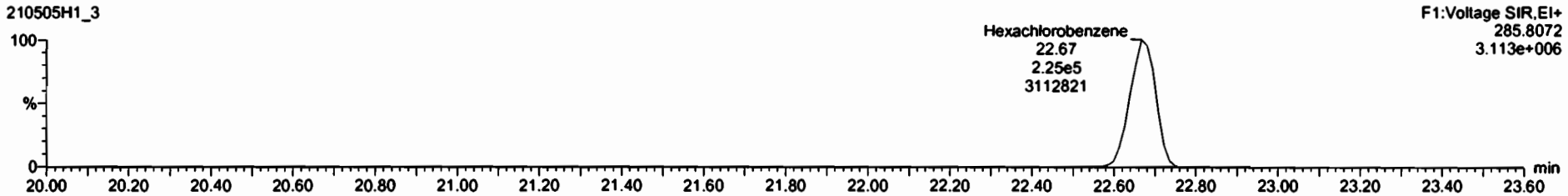
Last Altered: Wednesday, May 05, 2021 11:42:40 AM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:30:50 PM Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

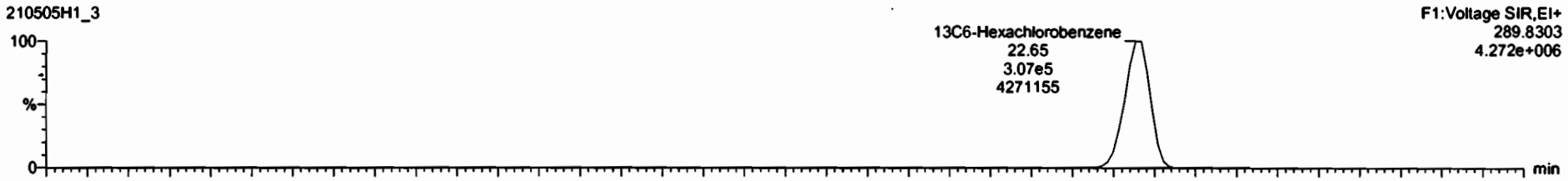
Name: 210505H1_3, Date: 05-May-2021, Time: 10:53:01, ID: B1D0210-BS1 OPR 1, Description: OPR

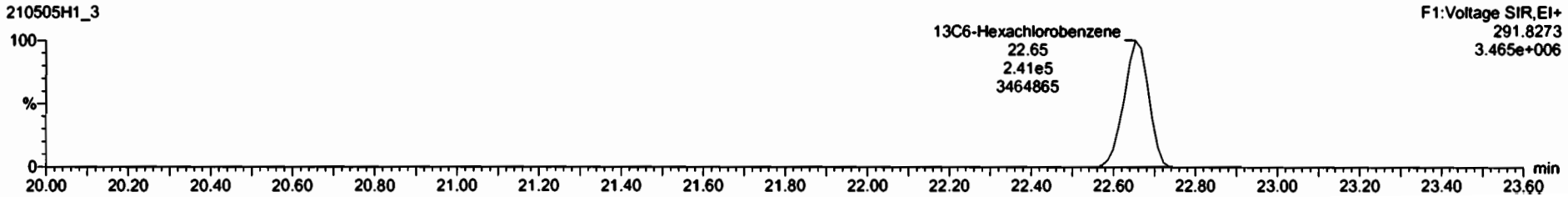
Hexachlorobenzene





13C6-Hexachlorobenzene



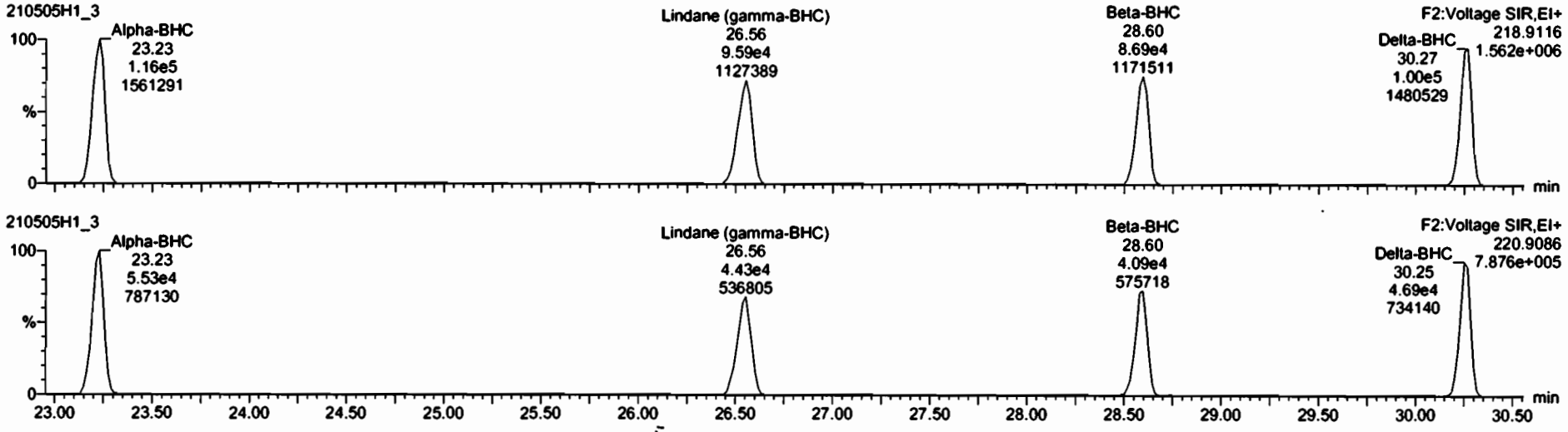


Dataset: U:\vg10.PRO\Results\210505H1\210505H1_3.qld

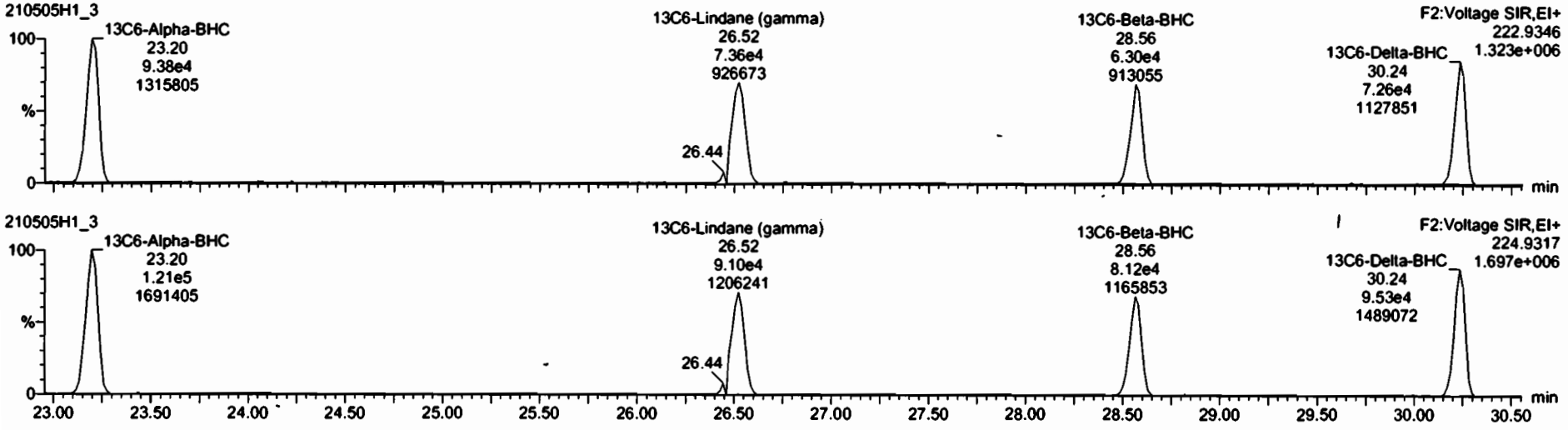
Last Altered: Wednesday, May 05, 2021 11:42:40 AM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:30:50 PM Pacific Daylight Time

Name: 210505H1_3, Date: 05-May-2021, Time: 10:53:01, ID: B1D0210-BS1 OPR 1, Description: OPR

BHC Totals



BHC-isotopes

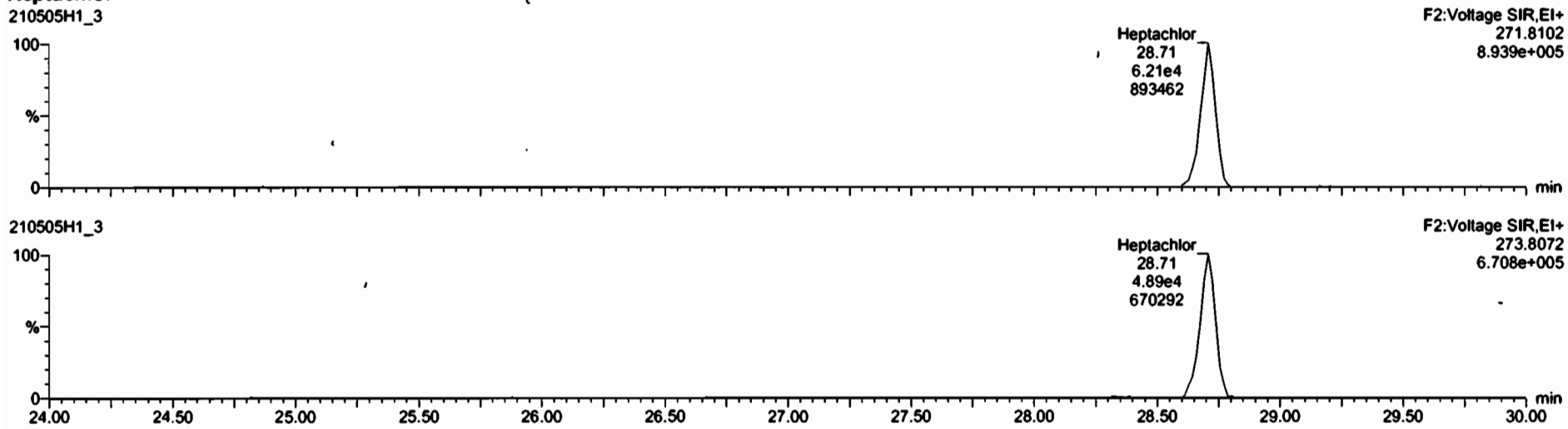


Dataset: U:\vg10.PRO\Results\210505H1\210505H1_3.qld

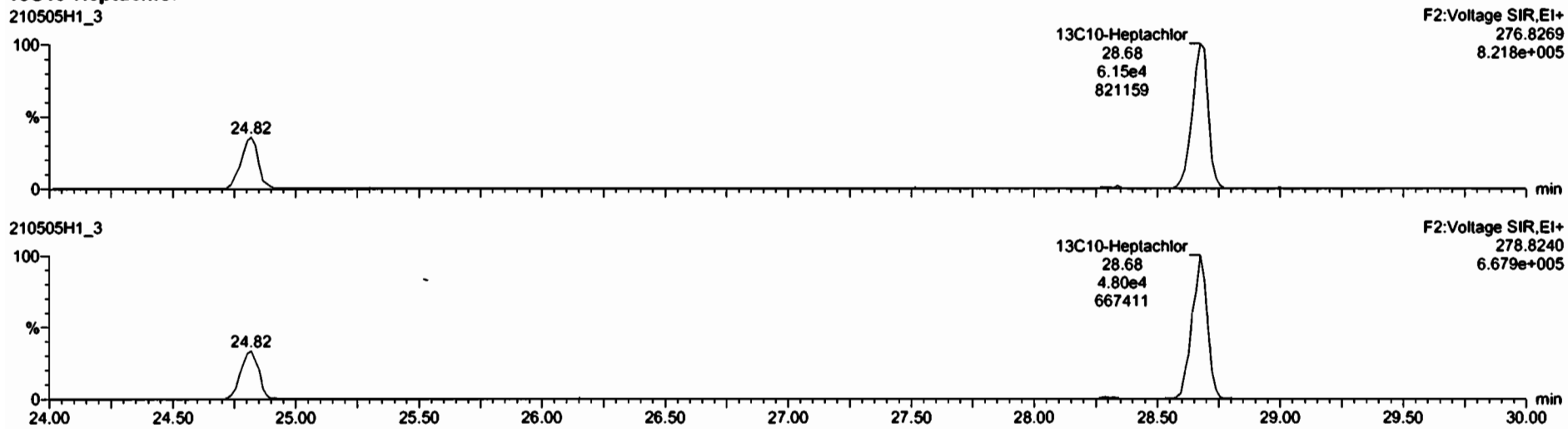
Last Altered: Wednesday, May 05, 2021 11:42:40 AM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:30:50 PM Pacific Daylight Time

Name: 210505H1_3, Date: 05-May-2021, Time: 10:53:01, ID: B1D0210-BS1 OPR 1, Description: OPR

Heptachlor



13C10-Heptachlor

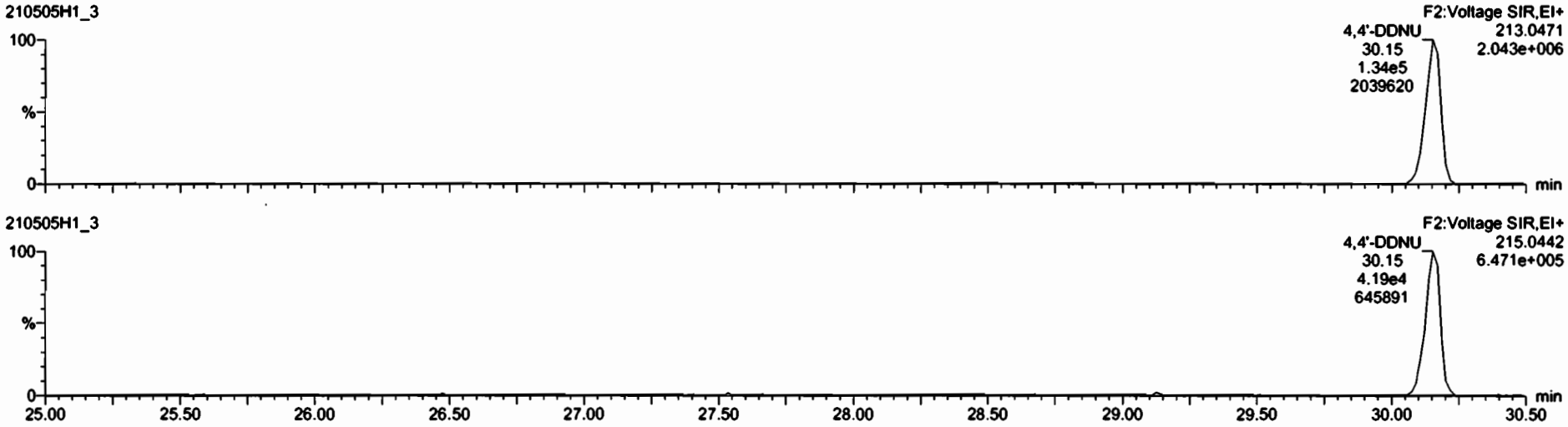


Dataset: U:\vg10.PRO\Results\210505H1\210505H1_3.qld

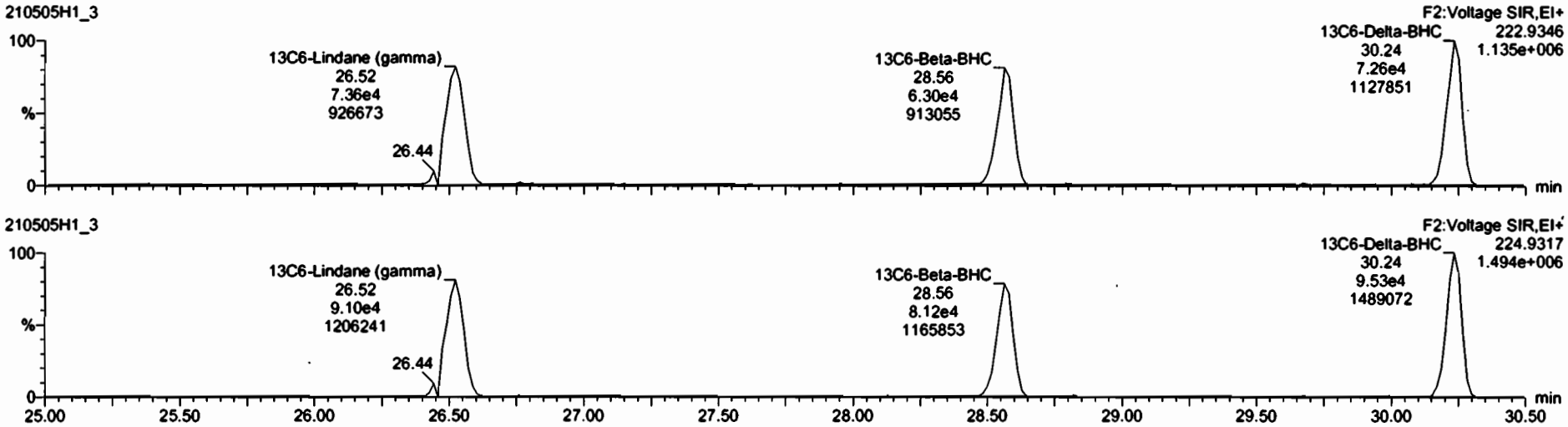
Last Altered: Wednesday, May 05, 2021 11:42:40 AM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:30:50 PM Pacific Daylight Time

Name: 210505H1_3, Date: 05-May-2021, Time: 10:53:01, ID: B1D0210-BS1 OPR 1, Description: OPR

4,4'-DDNU



13C6-Delta-BHC

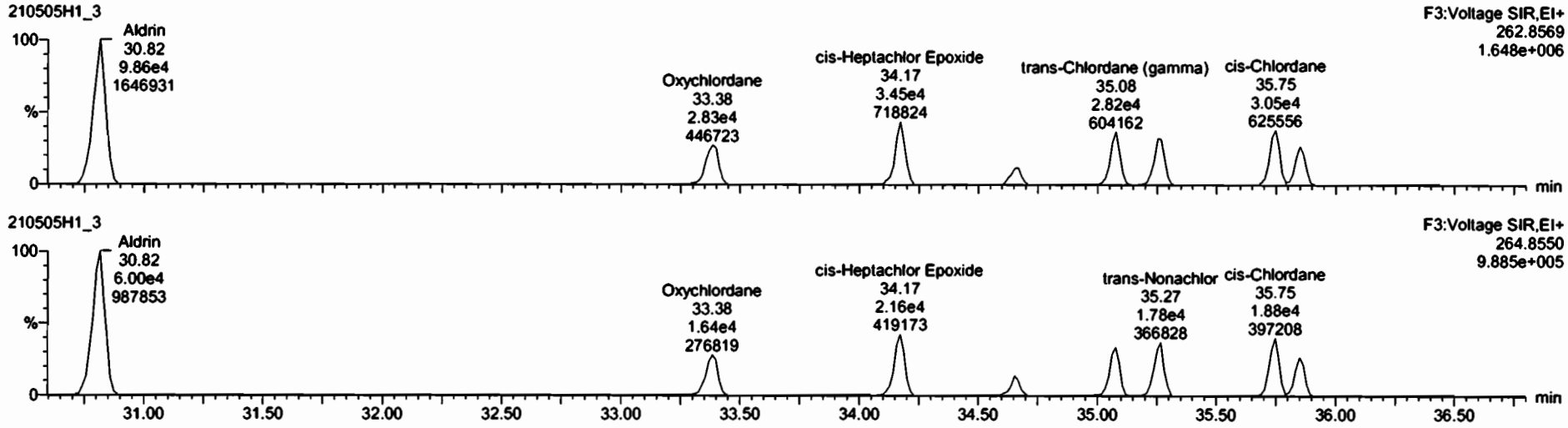


Dataset: U:\vg10.PRO\Results\210505H1\210505H1_3.qld

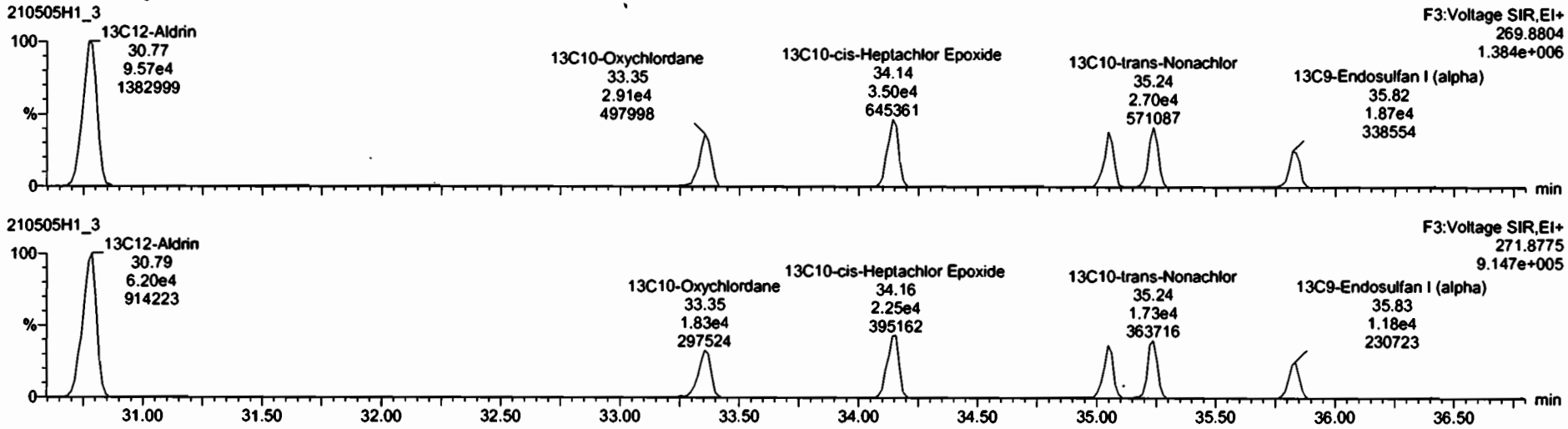
Last Altered: Wednesday, May 05, 2021 11:42:40 AM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:30:50 PM Pacific Daylight Time

Name: 210505H1_3, Date: 05-May-2021, Time: 10:53:01, ID: B1D0210-BS1 OPR 1, Description: OPR

Aldrin-EI



Aldrin-EI-isotopes

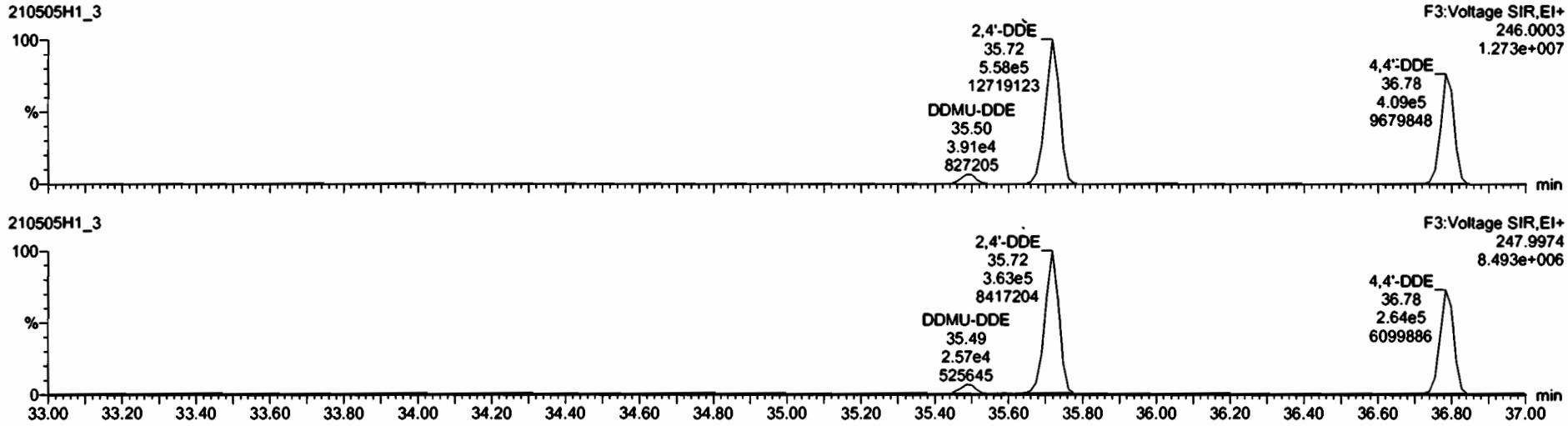


Dataset: U:\vg10.PRO\Results\210505H1\210505H1_3.qld

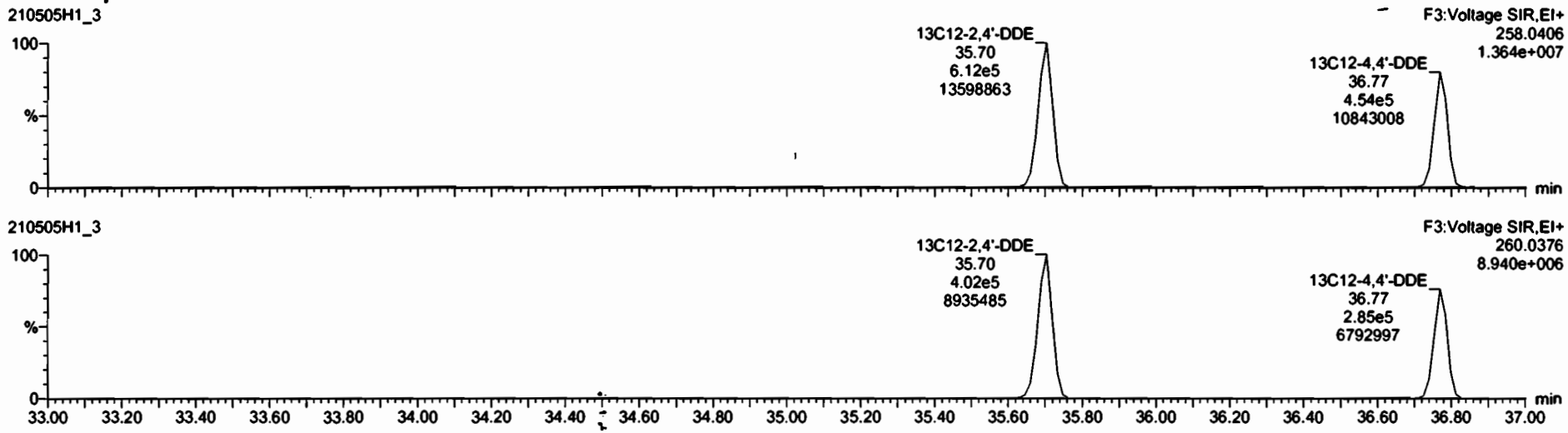
Last Altered: Wednesday, May 05, 2021 11:42:40 AM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:30:50 PM Pacific Daylight Time

Name: 210505H1_3, Date: 05-May-2021, Time: 10:53:01, ID: B1D0210-BS1 OPR 1, Description: OPR

DDMU-DDE



DDE-isotopes

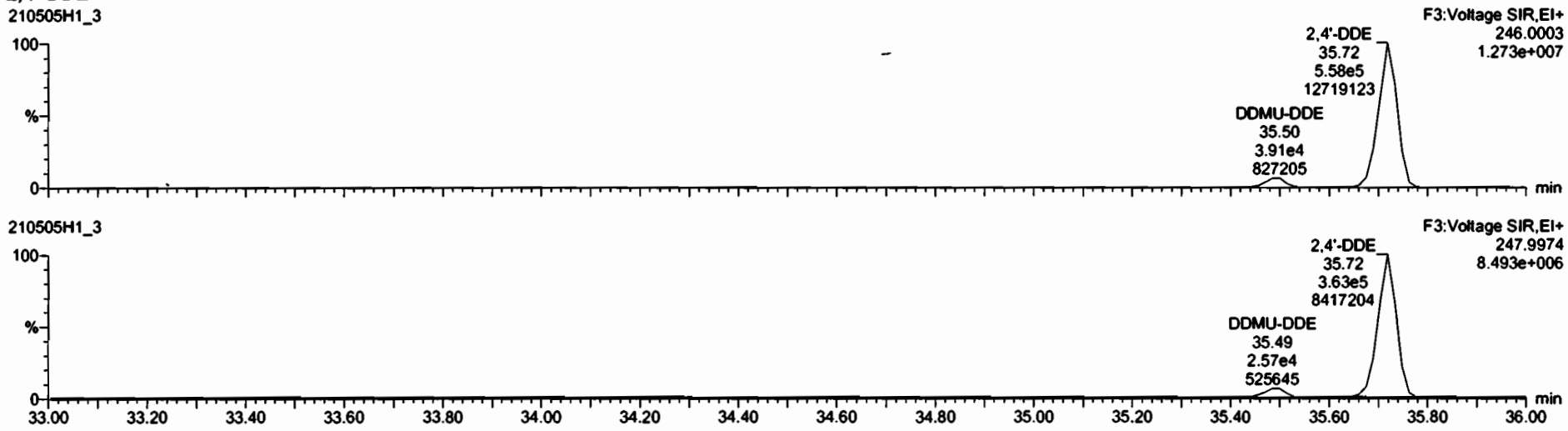


Dataset: U:\vg10.PRO\Results\210505H1\210505H1_3.qld

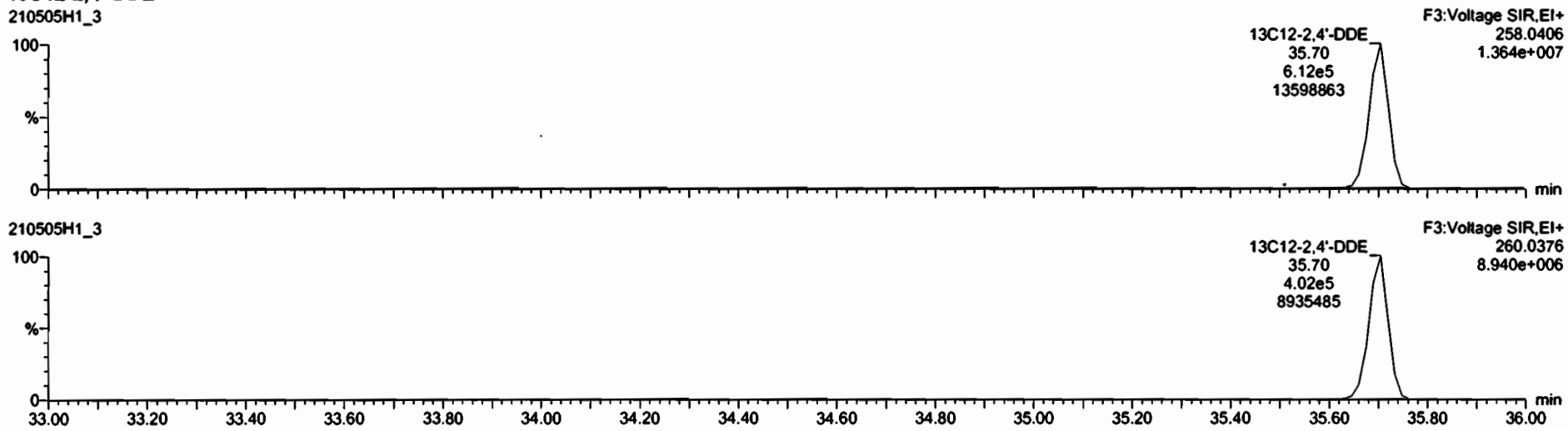
Last Altered: Wednesday, May 05, 2021 11:42:40 AM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:30:50 PM Pacific Daylight Time

Name: 210505H1_3, Date: 05-May-2021, Time: 10:53:01, ID: B1D0210-BS1 OPR 1, Description: OPR

2,4'-DDE



13C12-2,4'-DDE

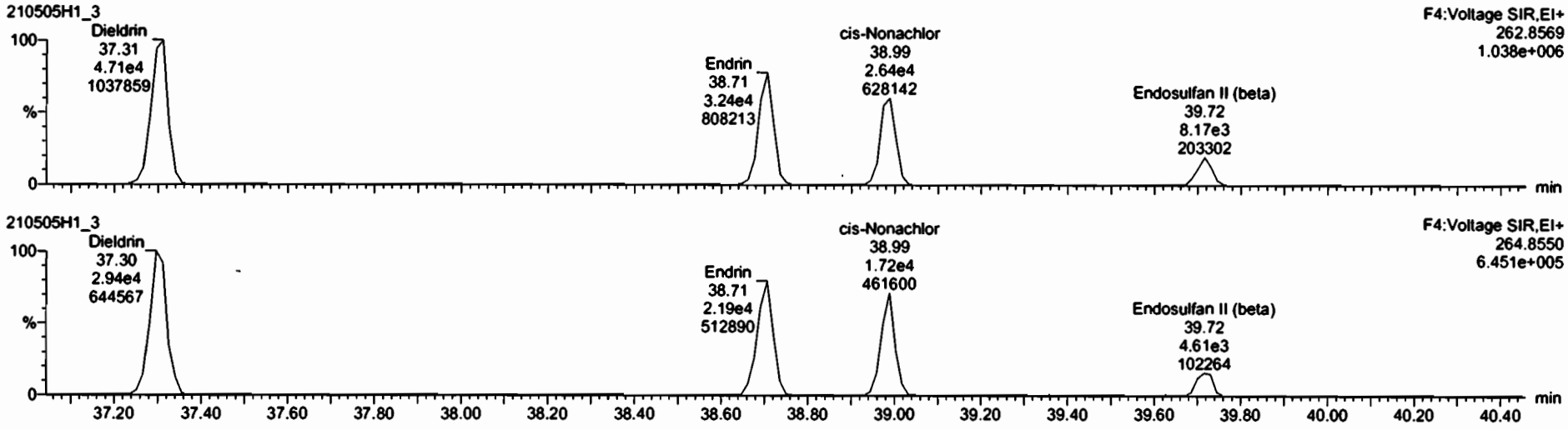


Dataset: U:\vg10.PRO\Results\210505H1\210505H1_3.qld

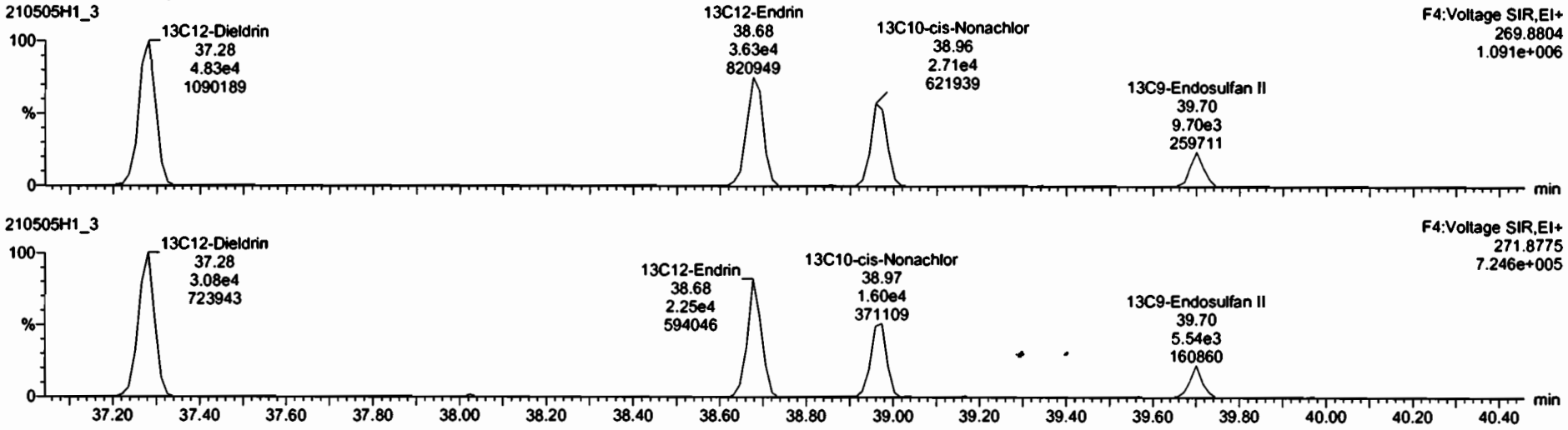
Last Altered: Wednesday, May 05, 2021 11:42:40 AM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:30:50 PM Pacific Daylight Time

Name: 210505H1_3, Date: 05-May-2021, Time: 10:53:01, ID: B1D0210-BS1 OPR 1, Description: OPR

Dieldrin-EII



Dieldrin-EII-isotopes

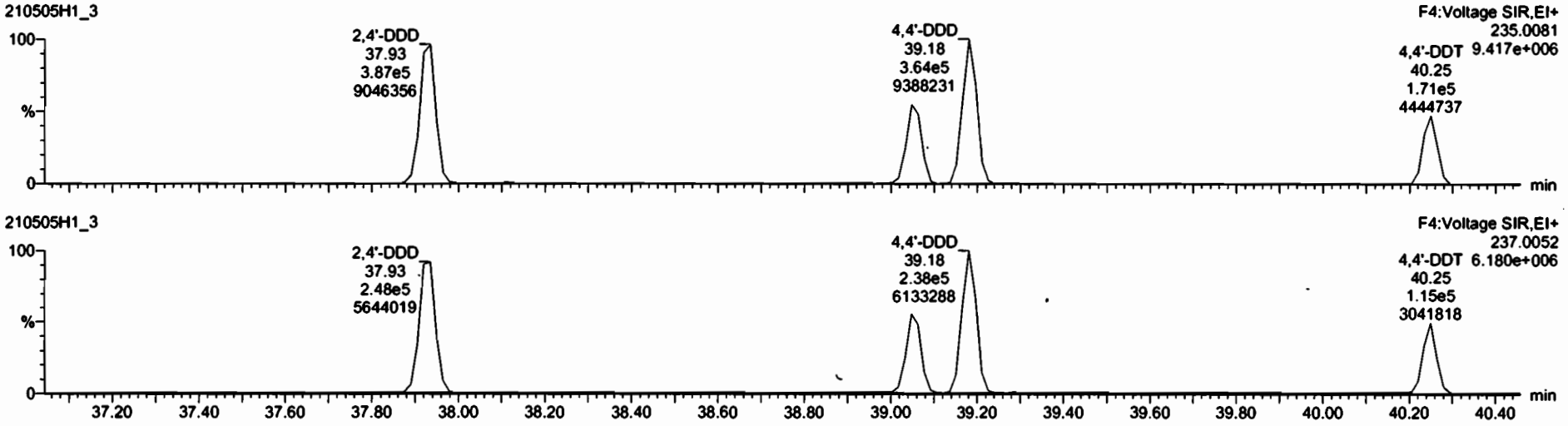


Dataset: U:\vg10.PRO\Results\210505H1\210505H1_3.qld

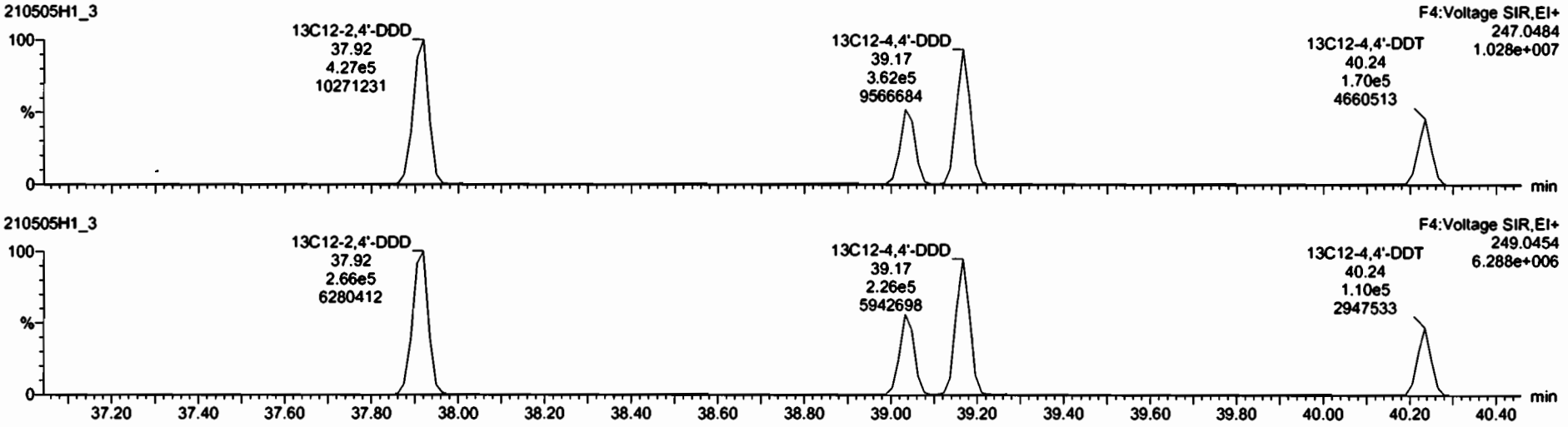
Last Altered: Wednesday, May 05, 2021 11:42:40 AM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:30:50 PM Pacific Daylight Time

Name: 210505H1_3, Date: 05-May-2021, Time: 10:53:01, ID: B1D0210-BS1 OPR 1, Description: OPR

DDD-DDT



DDD-DDT-isotopes

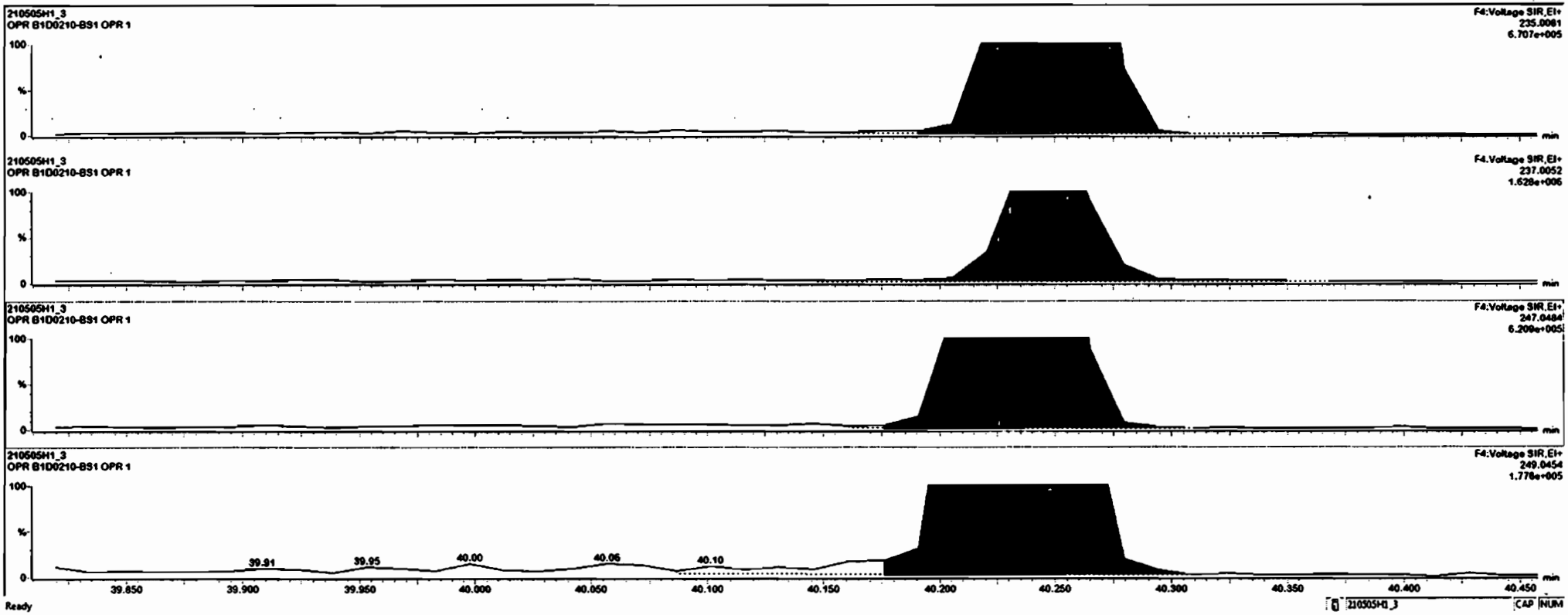


TargetLynx - 210505H1_3.qld * : Chromatogram

File Edit View Display Processing Window Help

210505H1_3 - B1D0210-BS1 OPR 1 - OPR

	#	Name	Resp	BAREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
50	50	13C10-cis-Nonachlor	4.31e4	7.94e5	1.65	NO	0.09	1.0000	38.98	38.98	1.086	1.087	NO	597.7	59.8	3.18	
51	51	13C9-Endosulfan II	1.52e4	7.94e5	1.75	NO	0.03	1.0000	39.70	39.71	1.107	1.107	NO	642.7	64.3	9.67	
52	52	13C12-2,4'-DDD	6.92e5	7.94e5	1.61	NO	1.21	1.0000	37.92	37.90	1.057	1.057	NO	718.0	71.8	1.45	
53	53	13C12-2,4'-DDT	3.48e5	7.94e5	1.54	NO	0.66	1.0000	39.02	39.06	1.088	1.089	NO	661.6	66.2	2.66	
54	54	13C12-4,4'-DDD	5.88e5	7.94e5	1.60	NO	0.95	1.0000	39.17	39.18	1.092	1.092	NO	779.5	78.0	1.25	
55	55	13C12-4,4'-DDT	2.79e5	7.94e5	1.56	NO	0.45	1.0000	40.24	40.24	1.122	1.122	NO	772.1	77.3	3.87	
56	56	13C9-Endosulfan Sulfate	1.93e4	7.94e5	1.72	NO	0.04	1.0000	41.43	41.44	1.155	1.156	NO	668.4	66.8	8.66	
57	57	13C12-Methoxychlor	2.95e6	7.94e5	19.45	NO	0.43	1.0000	43.28	43.28	1.207	1.207	NO	8629	86.3	6.19	
58	58	13C10-Mirex	1.87e5	7.94e5	1.58	NO	0.30	1.0000	43.87	44.03	1.223	1.228	NO	778.6	77.9	1.37	



Ready

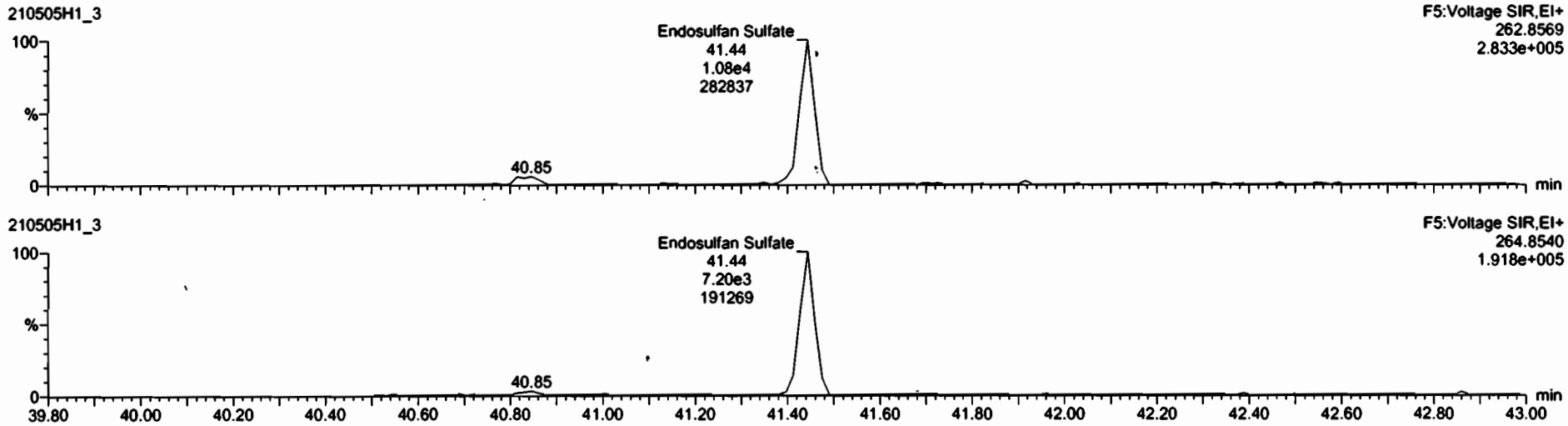
210505H1_3 CAP NUM

Dataset: U:\vg10.PRO\Results\210505H1\210505H1_3.qld

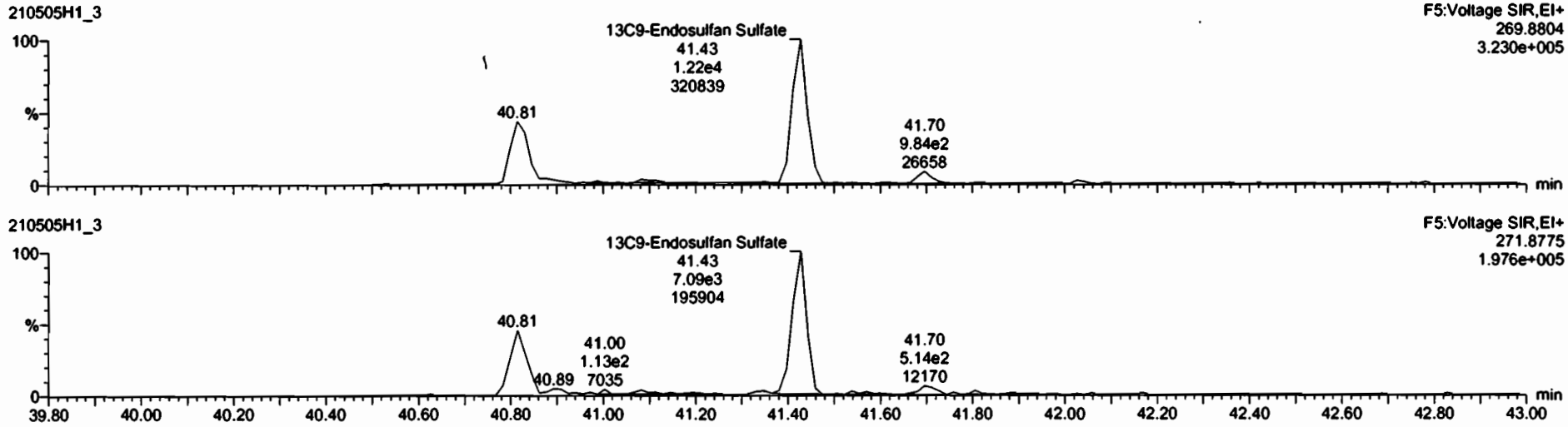
Last Altered: Wednesday, May 05, 2021 11:42:40 AM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:30:50 PM Pacific Daylight Time

Name: 210505H1_3, Date: 05-May-2021, Time: 10:53:01, ID: B1D0210-BS1 OPR 1, Description: OPR

Endosulfan Sulfate



13C9-Endosulfan Sulfate

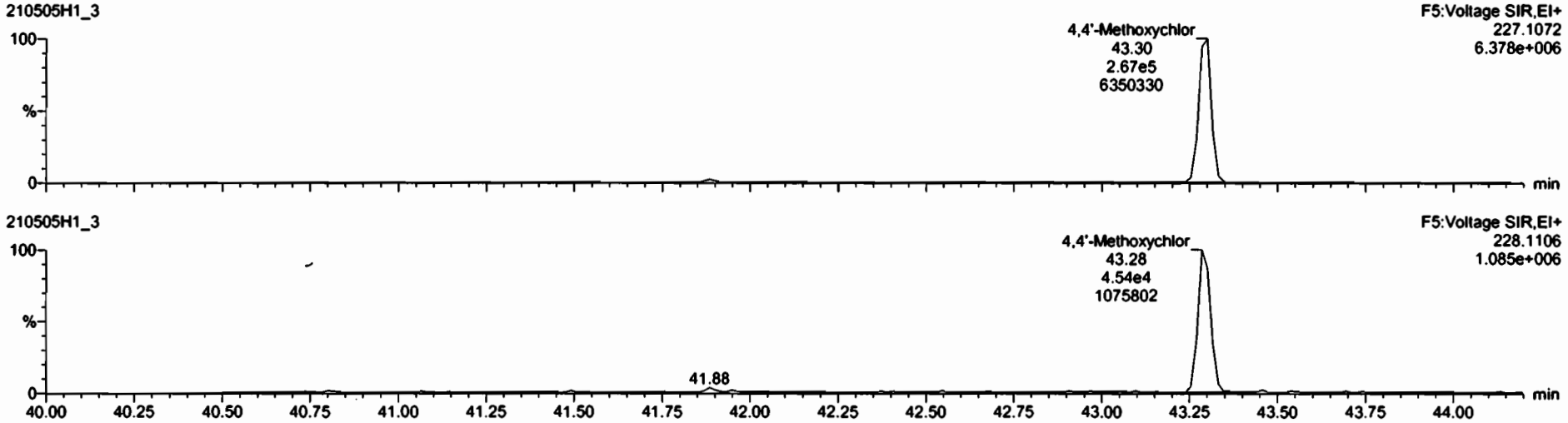


Dataset: U:\vg10.PRO\Results\210505H1\210505H1_3.qld

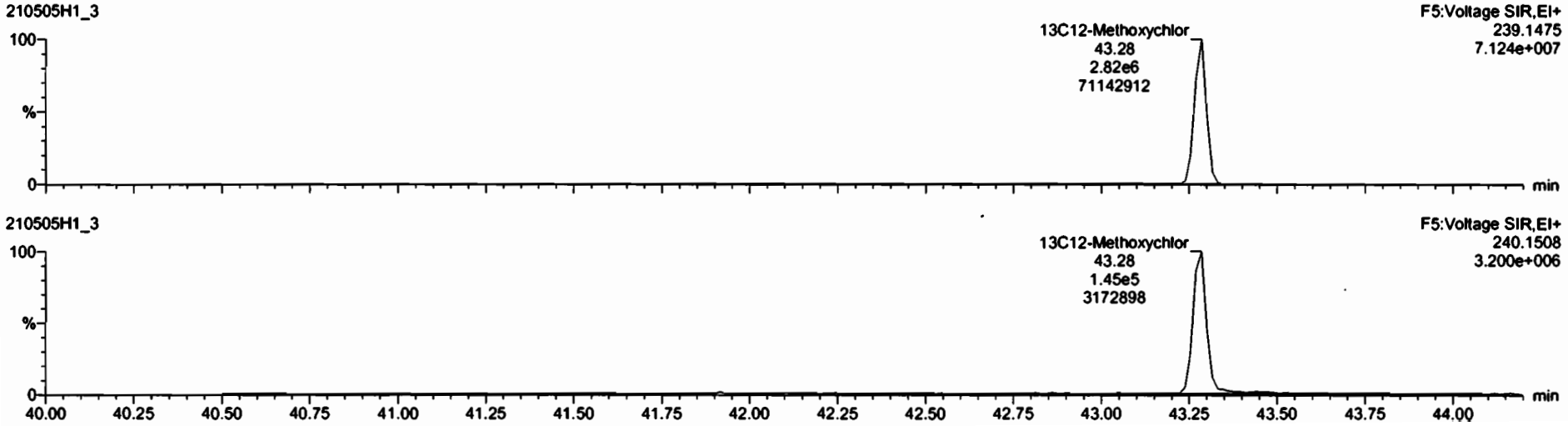
Last Altered: Wednesday, May 05, 2021 11:42:40 AM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:30:50 PM Pacific Daylight Time

Name: 210505H1_3, Date: 05-May-2021, Time: 10:53:01, ID: B1D0210-BS1 OPR 1, Description: OPR

4,4'-Methoxychlor



13C12-Methoxychlor

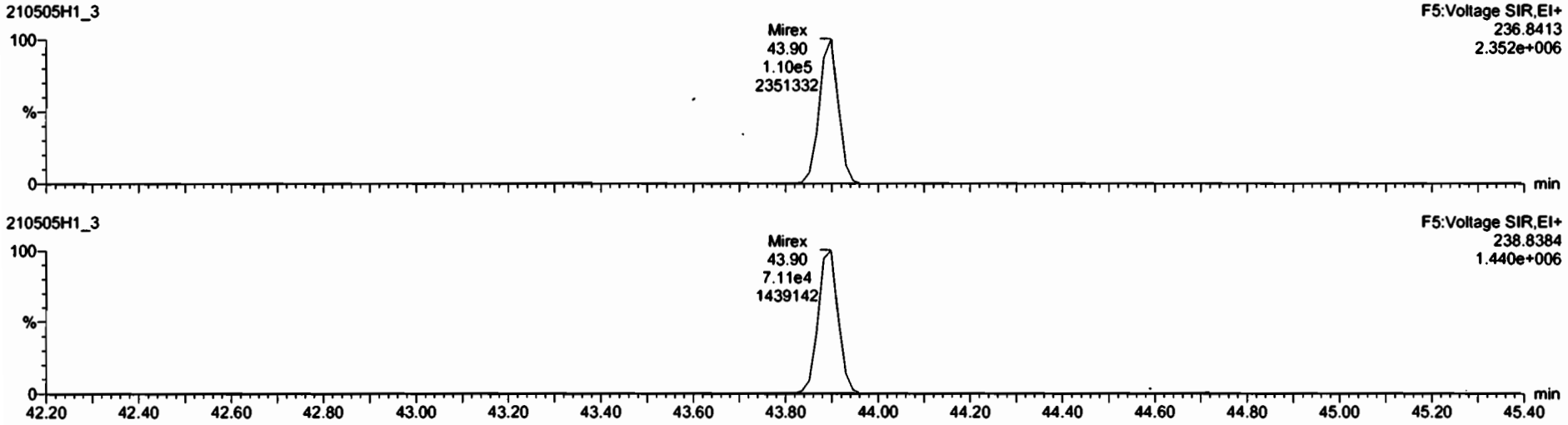


Dataset: U:\vg10.PRO\Results\210505H1\210505H1_3.qld

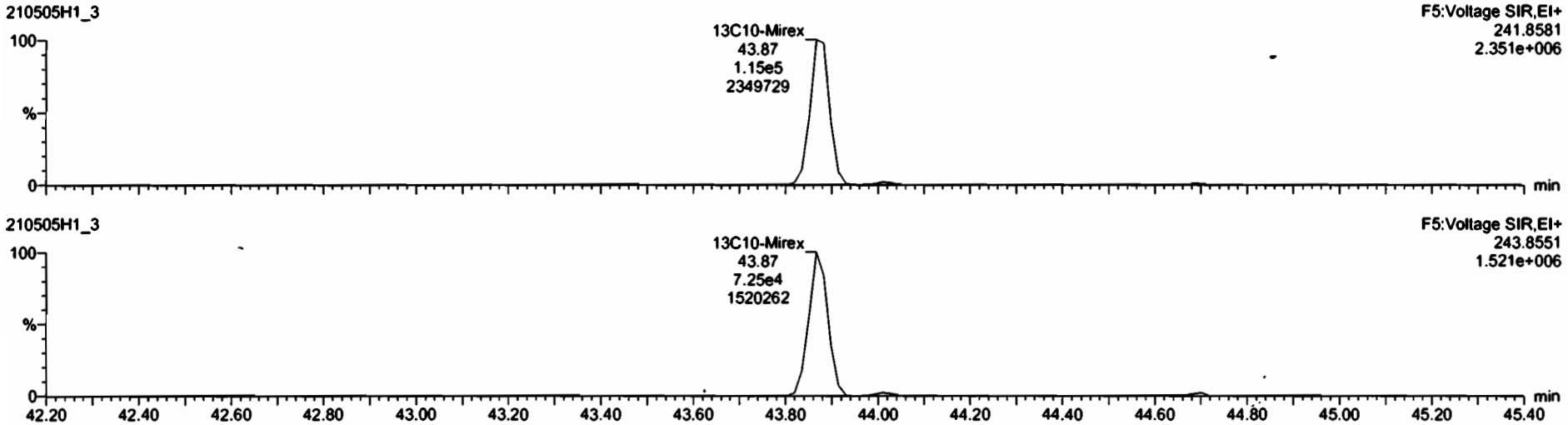
Last Altered: Wednesday, May 05, 2021 11:42:40 AM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:30:50 PM Pacific Daylight Time

Name: 210505H1_3, Date: 05-May-2021, Time: 10:53:01, ID: B1D0210-BS1 OPR 1, Description: OPR

Mirex



13C10-Mirex

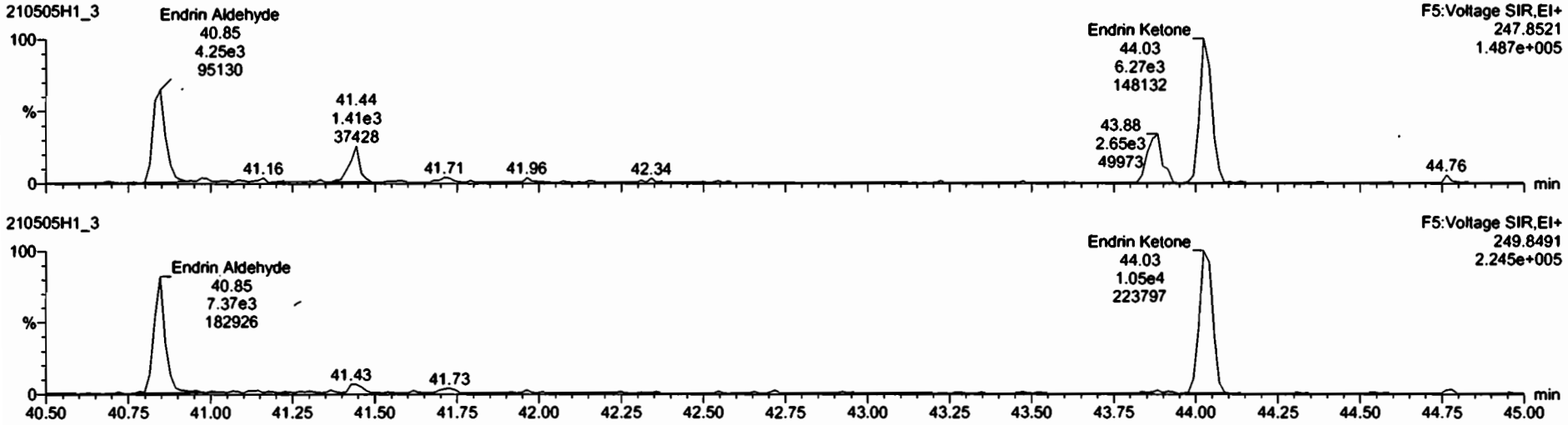


Dataset: U:\vg10.PRO\Results\210505H1\210505H1_3.qld

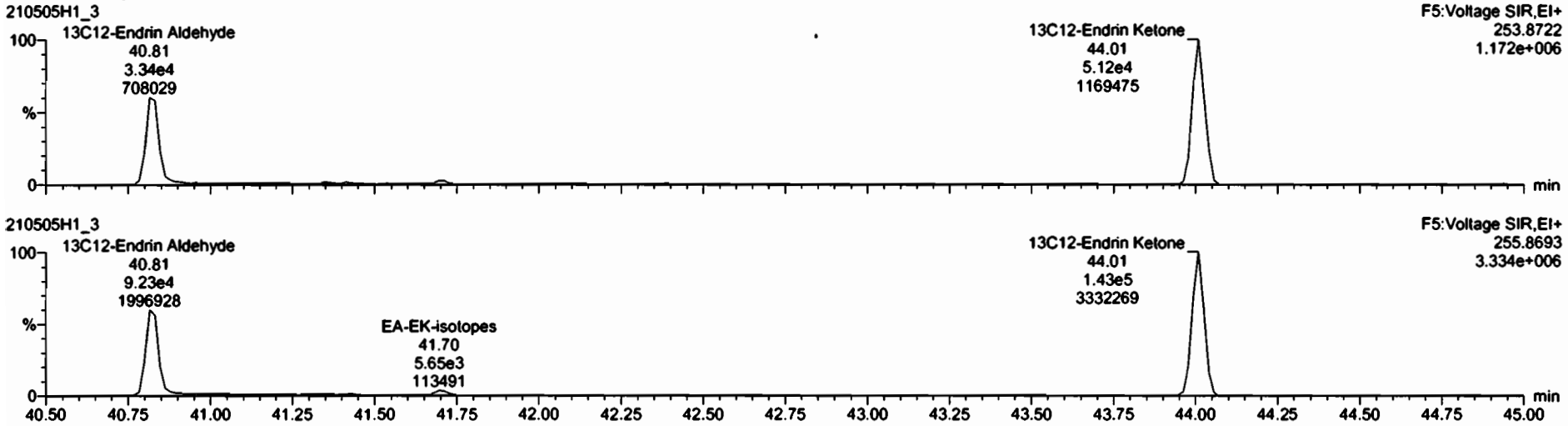
Last Altered: Wednesday, May 05, 2021 11:42:40 AM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:30:50 PM Pacific Daylight Time

Name: 210505H1_3, Date: 05-May-2021, Time: 10:53:01, ID: B1D0210-BS1 OPR 1, Description: OPR

EA-EK



EA-EK-isotopes

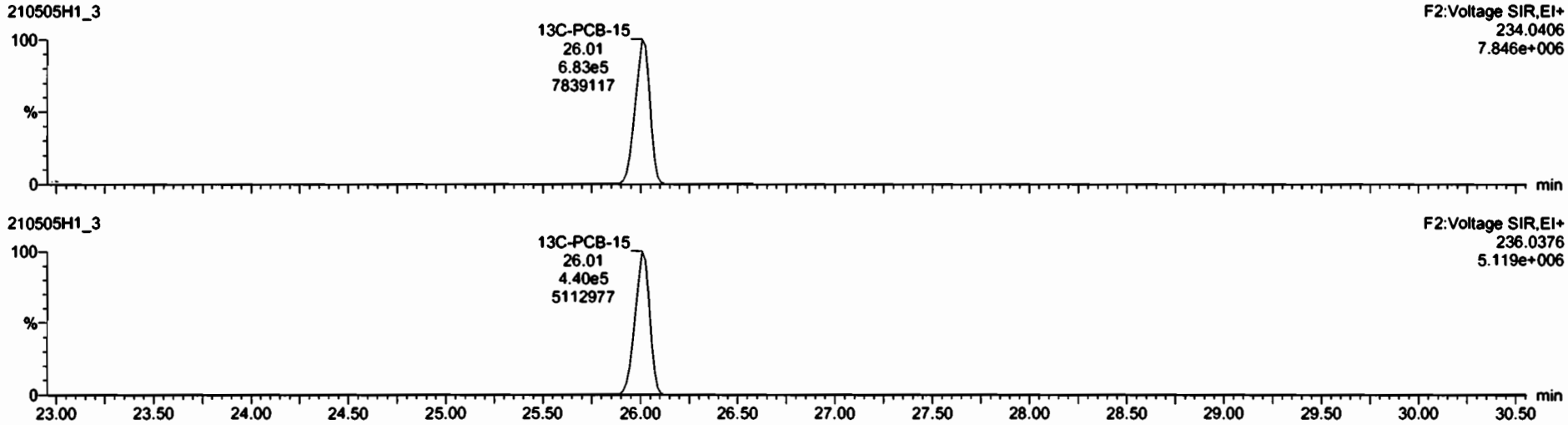


Dataset: U:\vg10.PRO\Results\210505H1\210505H1_3.qld

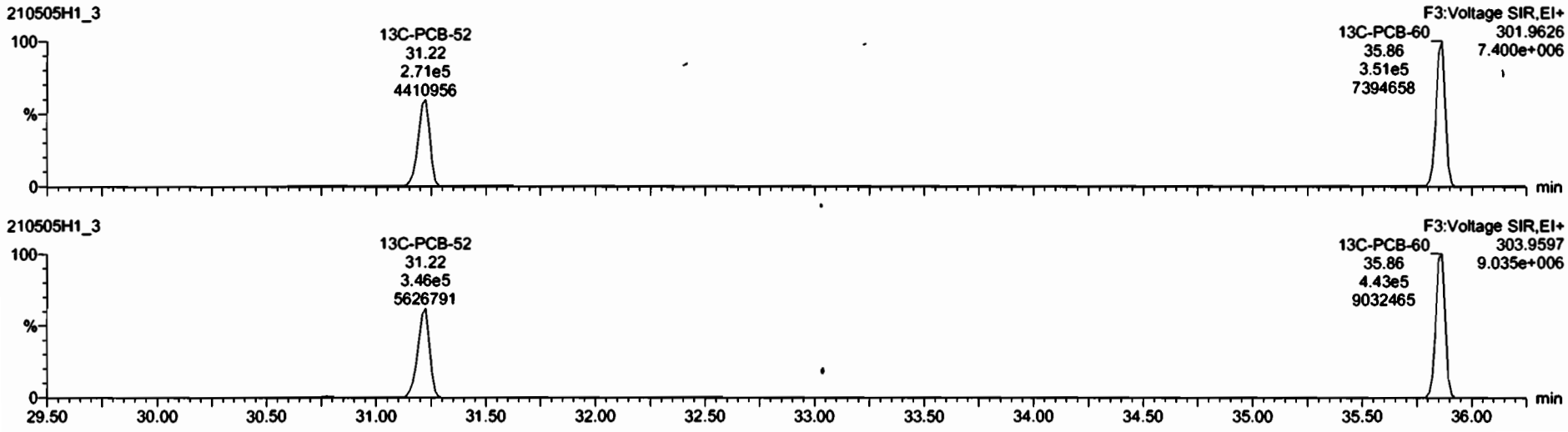
Last Altered: Wednesday, May 05, 2021 11:42:40 AM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:30:50 PM Pacific Daylight Time

Name: 210505H1_3, Date: 05-May-2021, Time: 10:53:01, ID: B1D0210-BS1 OPR 1, Description: OPR

13C-PCB-15



13C-PCB-60

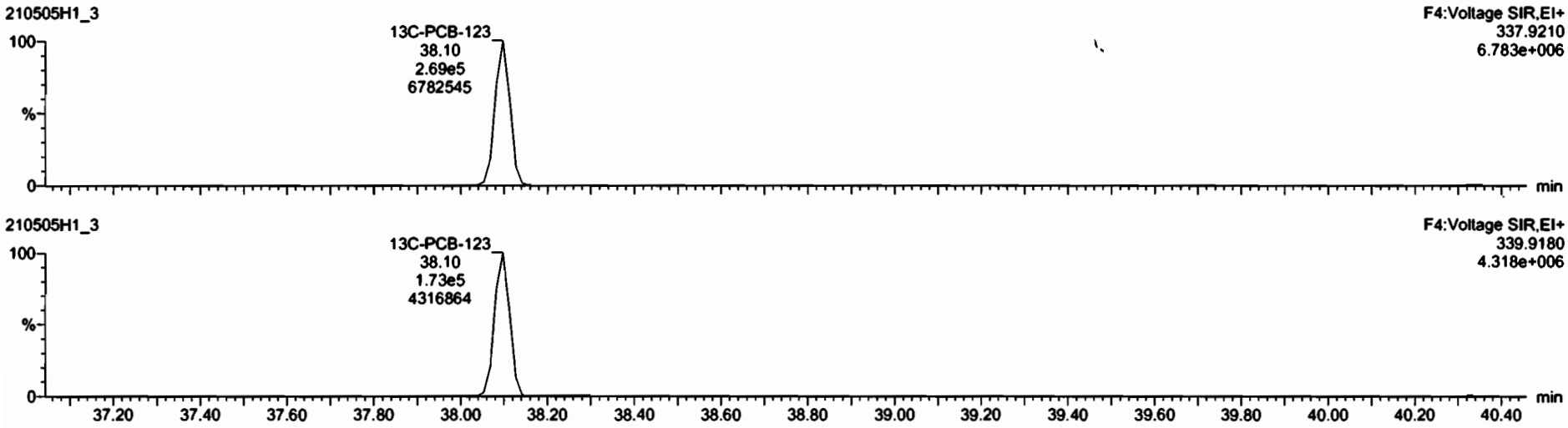


Dataset: U:\vg10.PRO\Results\210505H1\210505H1_3.qld

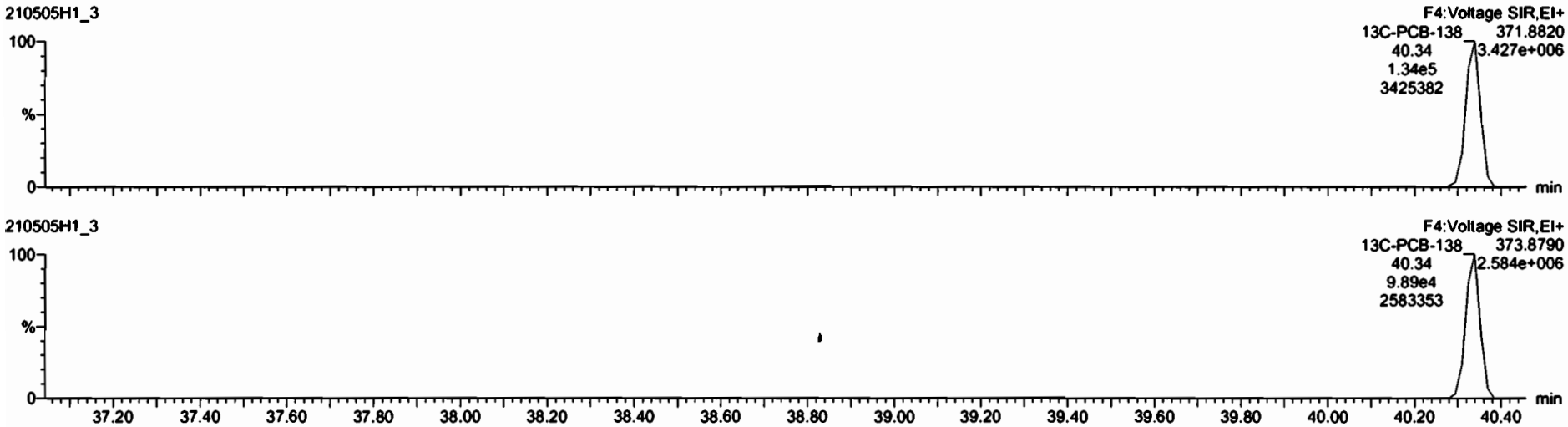
Last Altered: Wednesday, May 05, 2021 11:42:40 AM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:30:50 PM Pacific Daylight Time

Name: 210505H1_3, Date: 05-May-2021, Time: 10:53:01, ID: B1D0210-BS1 OPR 1, Description: OPR

13C-PCB-123



13C-PCB-138

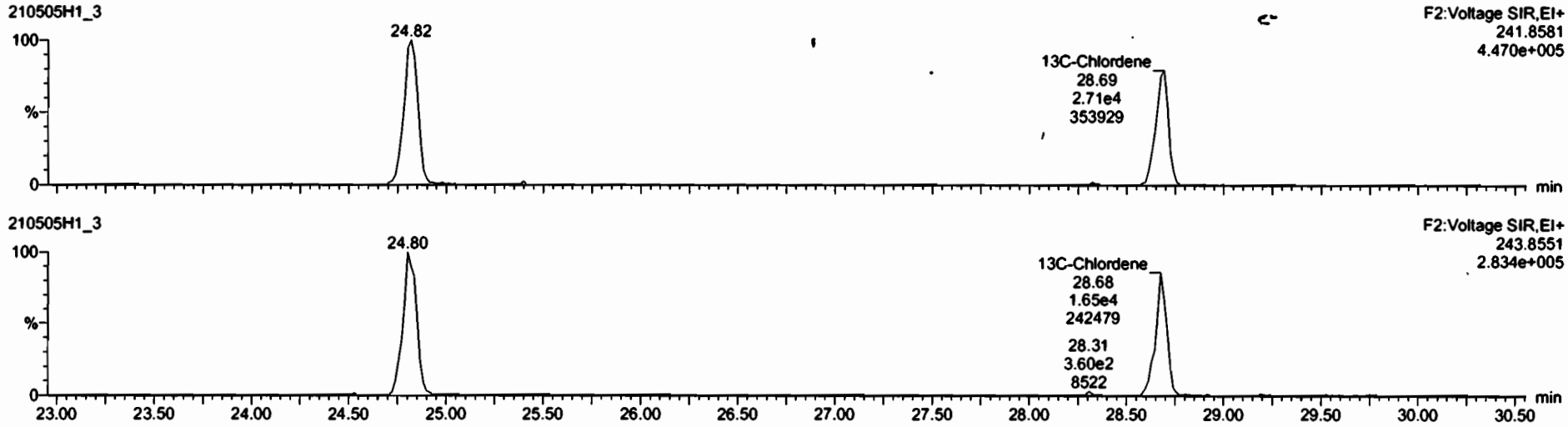


Dataset: U:\vg10.PRO\Results\210505H1\210505H1_3.qld

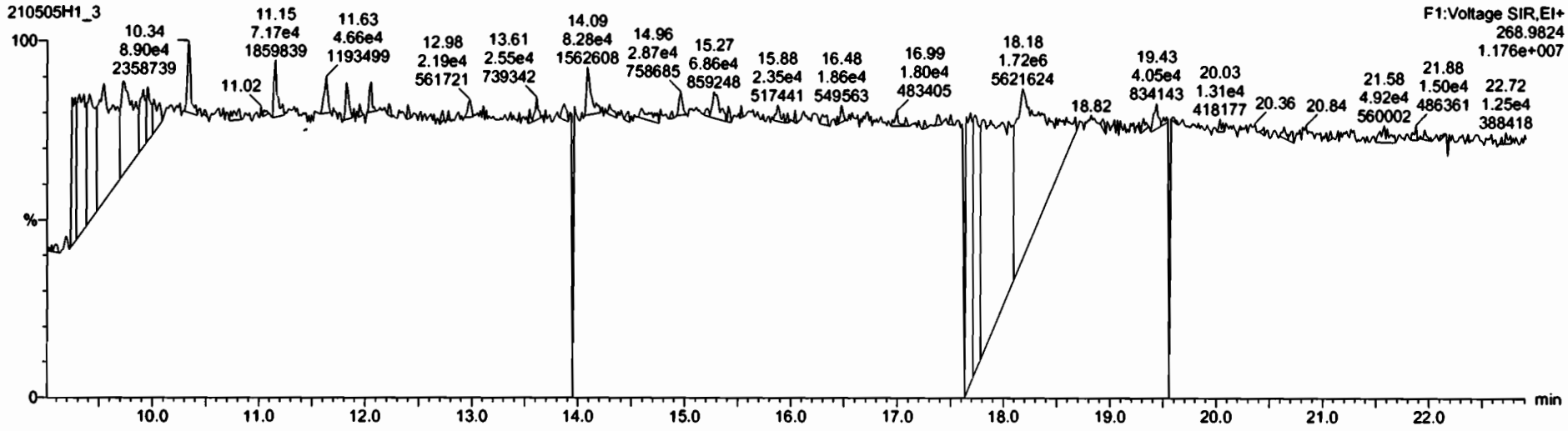
Last Altered: Wednesday, May 05, 2021 11:42:40 AM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:30:50 PM Pacific Daylight Time

Name: 210505H1_3, Date: 05-May-2021, Time: 10:53:01, ID: B1D0210-BS1 OPR 1, Description: OPR

13C-Chlordene



PFK1

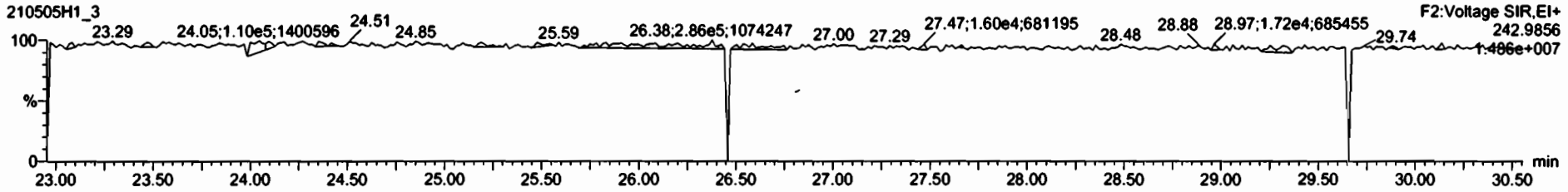


Dataset: U:\vg10.PRO\Results\210505H1\210505H1_3.qld

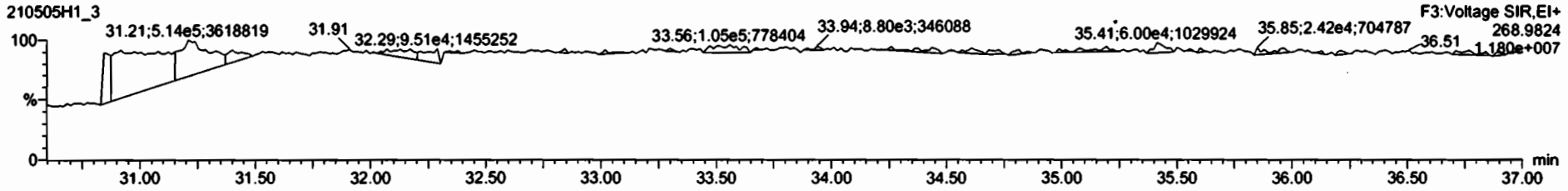
Last Altered: Wednesday, May 05, 2021 11:42:40 AM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:30:50 PM Pacific Daylight Time

Name: 210505H1_3, Date: 05-May-2021, Time: 10:53:01, ID: B1D0210-BS1 OPR 1, Description: OPR

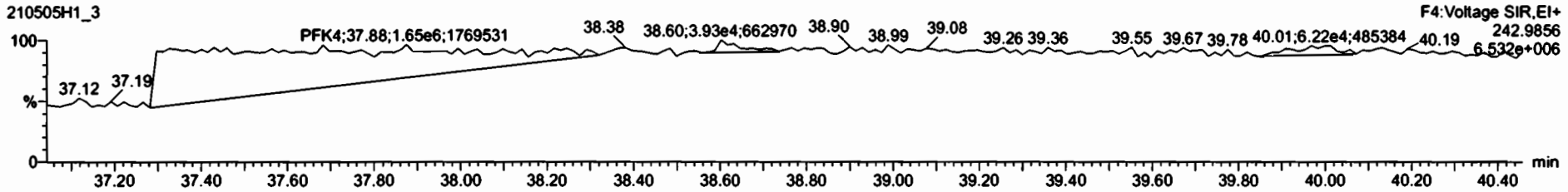
PFK2



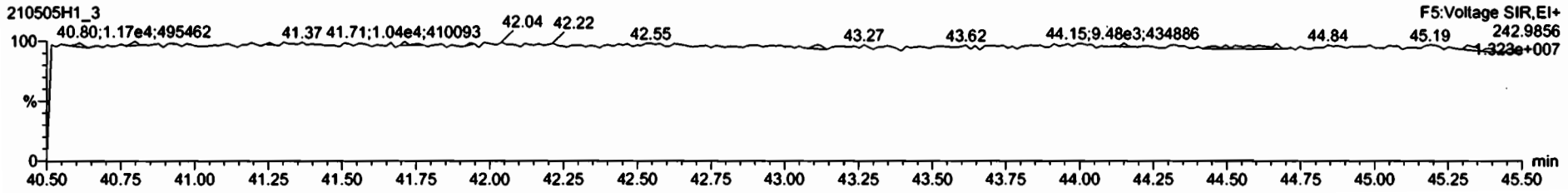
PFK3



PFK4



PFK5



Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_6.qld

Last Altered: Friday, April 16, 2021 11:05:11 Pacific Daylight Time
Printed: Friday, April 16, 2021 11:06:39 Pacific Daylight Time

∝ 04/28/21
DF 04/16/21 CMS/03/2021

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_6, Date: 14-Apr-2021, Time: 13:51:53, ID: 2103216-01RE1 USMPDI-058RAB-00-10-210317 1.13, Description: USMPDI-058RAB-00-10-210317, Task: ST210414H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	4	Lindane (gamma-...		3.13e5		NO	0.860	1.016			1.000	YES			4.88	
2	9	Aldrin		2.62e5		NO	1.09	1.016			1.001	YES			1.13	
3	10	Oxychlordane		8.04e4		NO	1.06	1.016			1.001	YES			3.50	
4	13	trans-Chlordane (g...	1.66e3	6.38e4	1.22	NO	1.14	1.016	35.06	1.000	1.001	NO	22.581		3.36	22.6
5	14	trans-Nonachlor	2.51e3	7.29e4	1.84	NO	1.06	1.016	35.25	1.000	1.000	NO	32.066		3.57	32.1
6	15	cis-Chlordane	2.39e3	7.29e4	1.48	NO	1.16	1.016	35.75	1.014	1.016	NO	27.760		3.25	27.8
7	18	2,4'-DDE	2.50e4	1.85e6	1.31	NO	1.02	1.016	35.70	1.000	1.000	NO	12.941		1.01	12.9
8	19	4,4'-DDE	1.59e6	1.36e6	1.51	NO	1.04	1.016	36.77	1.000	1.000	NO	1109.5		1.32	1110
9	20	Dieldrin	3.56e3	1.47e5	1.73	NO	1.03	1.016	37.29	1.001	1.001	NO	23.059		1.86	23.1
10	22	cis-Nonachlor	1.50e3	7.87e4	3.48	YES	1.00	1.016	38.96	1.000	1.000	NO	18.769		3.87	10.7

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_6.qld

Last Altered: Friday, April 16, 2021 11:05:11 Pacific Daylight Time
Printed: Friday, April 16, 2021 11:07:02 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_6, Date: 14-Apr-2021, Time: 13:51:53, ID: 2103216-01RE1 USMPDI-058RAB-00-10-210317 1.13, Description: USMPDI-058RAB-00-10-210317, Task: ST210414H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	24	2,4'-DDD	4.14e5	1.66e6	1.63	NO	1.07	1.016	37.90	1.000	1.000	NO	230.34		1.92	230
2	25	2,4'-DDT	4.66e4	9.76e5	1.35	NO	1.05	1.016	39.03	1.000	1.000	NO	44.836		3.28	44.8
3	26	4,4'-DDD	1.07e6	1.32e6	1.63	NO	1.16	1.016	39.15	1.000	1.000	NO	686.64		2.15	687
4	27	4,4'-DDT	4.81e5	8.16e5	1.59	NO	1.13	1.016	40.22	1.000	1.001	NO	512.08		3.41	512
5	36	13C6-Lindane (ga...	3.13e5	2.25e6	0.79	NO	0.194	1.016	26.57	1.020	1.019	NO	705.35	71.7	2.67	
6	40	13C12-Aldrin	2.62e5	2.25e6	1.62	NO	0.154	1.016	30.80	1.182	1.181	NO	742.06	75.4	2.14	
7	41	13C10-Oxychlorda...	8.04e4	2.25e6	1.56	NO	0.0404	1.016	33.35	1.280	1.280	NO	868.54	88.3	8.14	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_6.qld

Last Altered: Friday, April 16, 2021 11:05:11 Pacific Daylight Time
Printed: Friday, April 16, 2021 11:07:12 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_6, Date: 14-Apr-2021, Time: 13:51:53, ID: 2103216-01RE1 USMPDI-058RAB-00-10-210317 1.13, Description: USMPDI-058RAB-00-10-210317, Task: ST210414H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	43	13C10-trans-Chlor...	6.38e4	2.25e6	1.48	NO	0.0358	1.016	35.05	1.345	1.344	NO	777.91	79.0	9.19	
2	44	13C10-trans-Nona...	7.29e4	1.35e6	1.54	NO	0.0638	1.016	35.24	0.983	0.983	NO	834.59	84.8	4.40	
3	46	13C12-2,4'-DDE	1.85e6	1.35e6	1.58	NO	1.43	1.016	35.69	0.996	0.995	NO	944.42	96.0	0.698	
4	47	13C12-4,4'-DDE	1.36e6	1.35e6	1.57	NO	0.995	1.016	36.75	1.025	1.026	NO	998.24	101	1.01	
5	48	13C12-Dieldrin	1.47e5	1.35e6	1.56	NO	0.146	1.016	37.26	1.039	1.040	NO	736.42	74.8	1.80	
6	50	13C10-cis-Nonach...	7.87e4	1.35e6	1.72	NO	0.0791	1.016	38.94	1.086	1.087	NO	726.98	73.9	3.32	
7	52	13C12-2,4'-DDD	1.66e6	1.35e6	1.60	NO	1.35	1.016	37.89	1.057	1.057	NO	895.02	91.0	1.58	
8	53	13C12-2,4'-DDT	9.76e5	1.35e6	1.59	NO	0.962	1.016	39.02	1.088	1.089	NO	741.23	75.3	2.22	
9	54	13C12-4,4'-DDD	1.32e6	1.35e6	1.59	NO	1.12	1.016	39.14	1.092	1.092	NO	855.44	86.9	1.90	
10	55	13C12-4,4'-DDT	8.16e5	1.35e6	1.64	NO	0.735	1.016	40.20	1.121	1.122	NO	811.73	82.5	2.91	
11	62	13C-PCB-15	2.25e6	2.25e6	1.55	NO	1.00	1.016	26.06	1.000	1.000	NO	984.07	100	0.413	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_6.qld

Last Altered: Friday, April 16, 2021 11:05:11 Pacific Daylight Time
Printed: Friday, April 16, 2021 11:07:17 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_6, Date: 14-Apr-2021, Time: 13:51:53, ID: 2103216-01RE1 USMPDI-058RAB-00-10-210317 1.13, Description: USMPDI-058RAB-00-10-210317, Task: ST210414H1_1

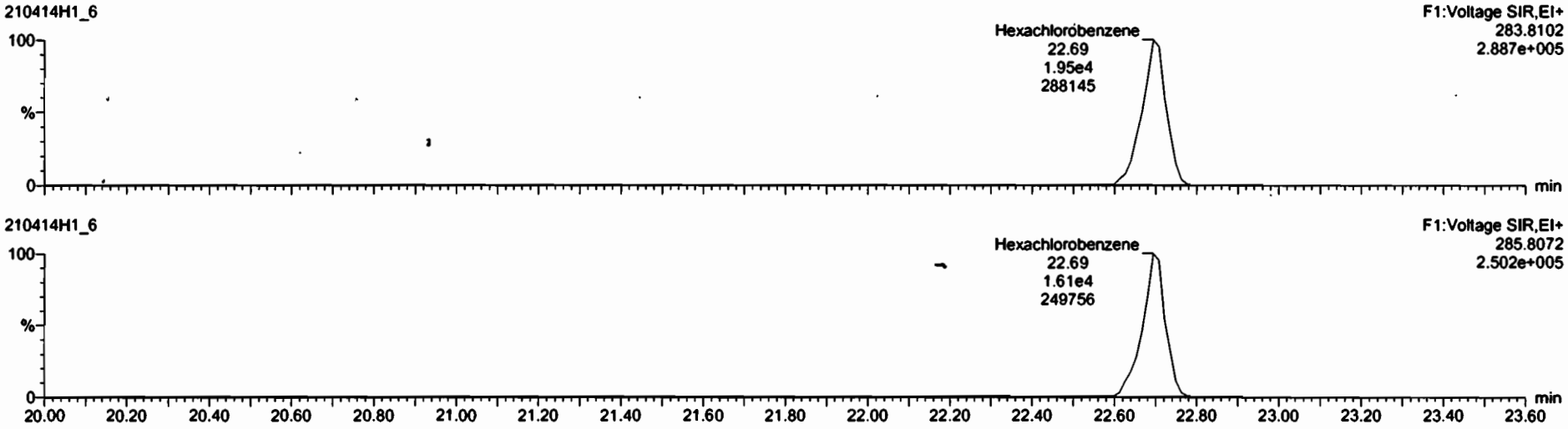
	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	63 13C-PCB-60	1.35e6	1.35e6	0.84	NO	1.00	1.016	35.85	1.000	1.000	NO	984.07	100	0.594	

Dataset: Untitled

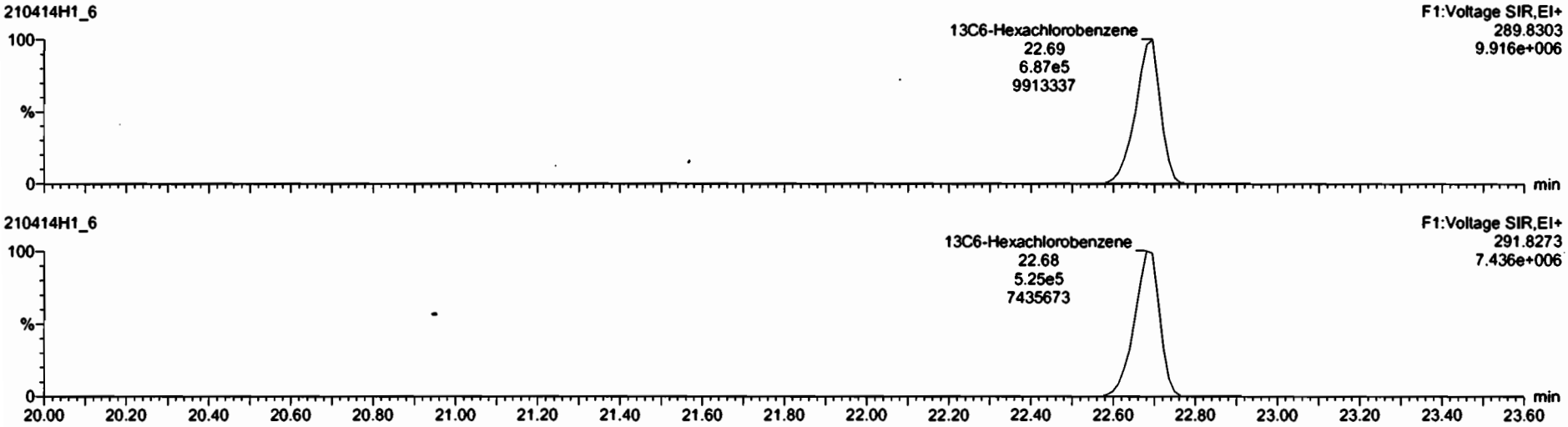
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_6, Date: 14-Apr-2021, Time: 13:51:53, ID: 2103216-01RE1 USMPDI-058RAB-00-10-210317 1.13, Description: USMPDI-058RAB-00-10-210317

Hexachlorobenzene



13C6-Hexachlorobenzene

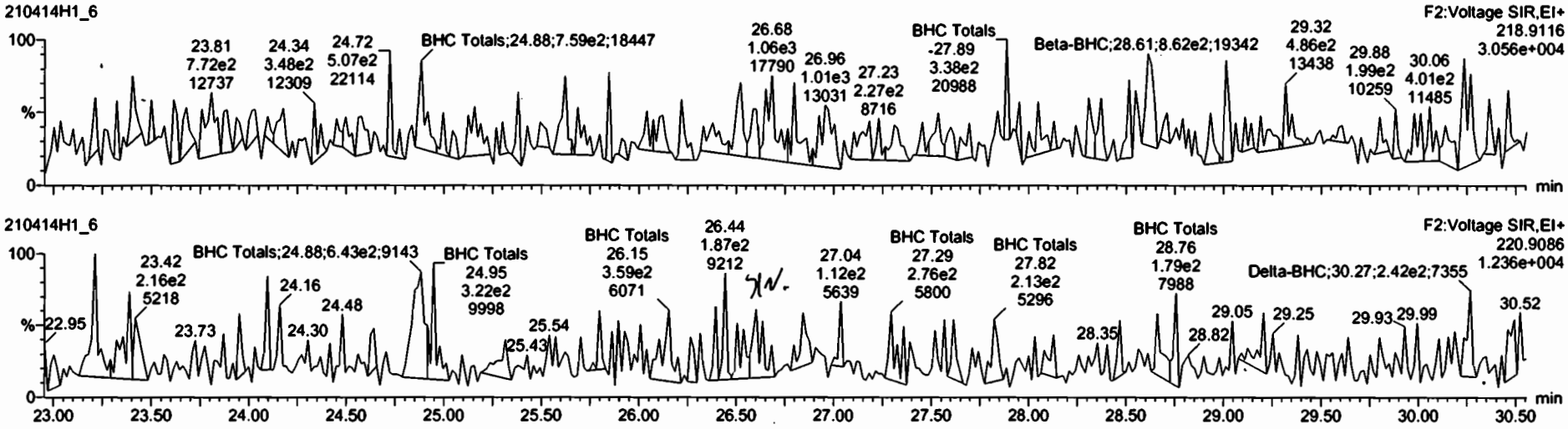


Dataset: Untitled

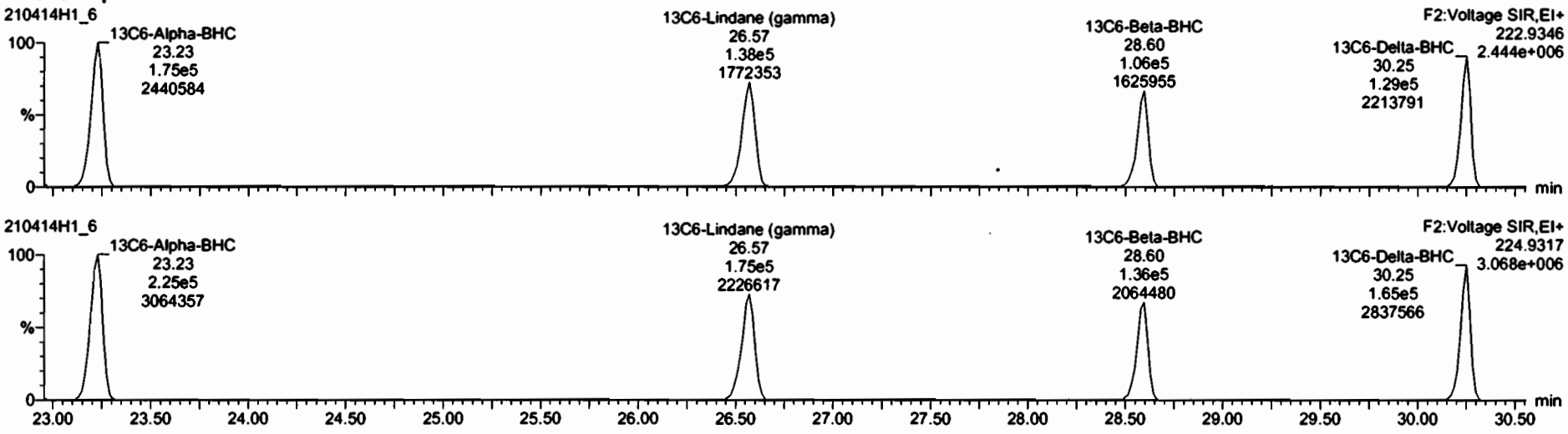
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_6, Date: 14-Apr-2021, Time: 13:51:53, ID: 2103216-01RE1 USMPDI-058RAB-00-10-210317 1.13, Description: USMPDI-058RAB-00-10-210317

BHC Totals



BHC-isotopes

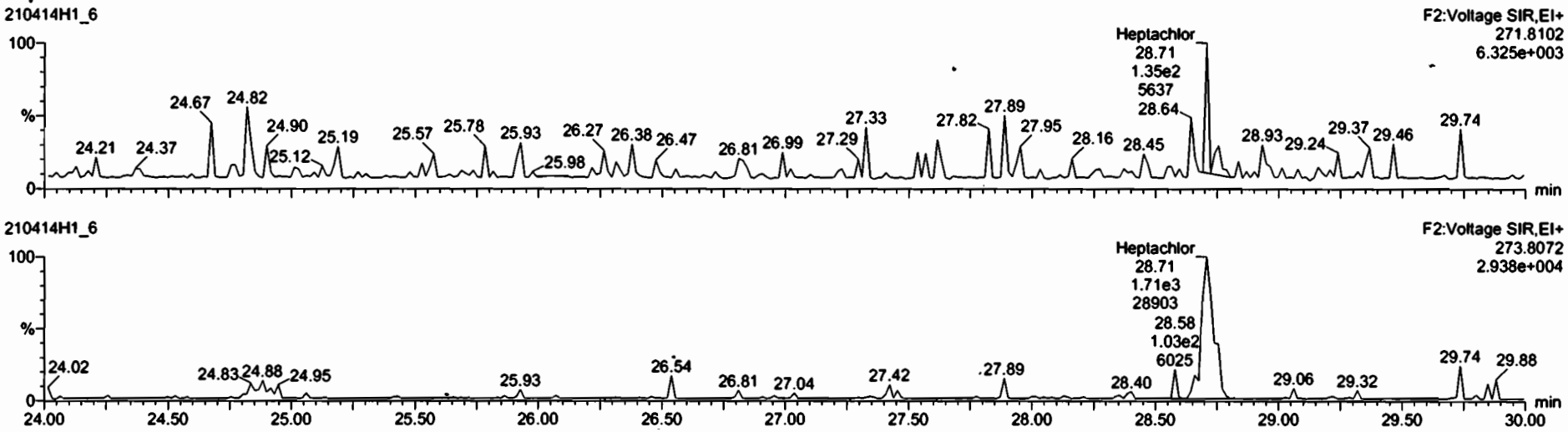


Dataset: Untitled

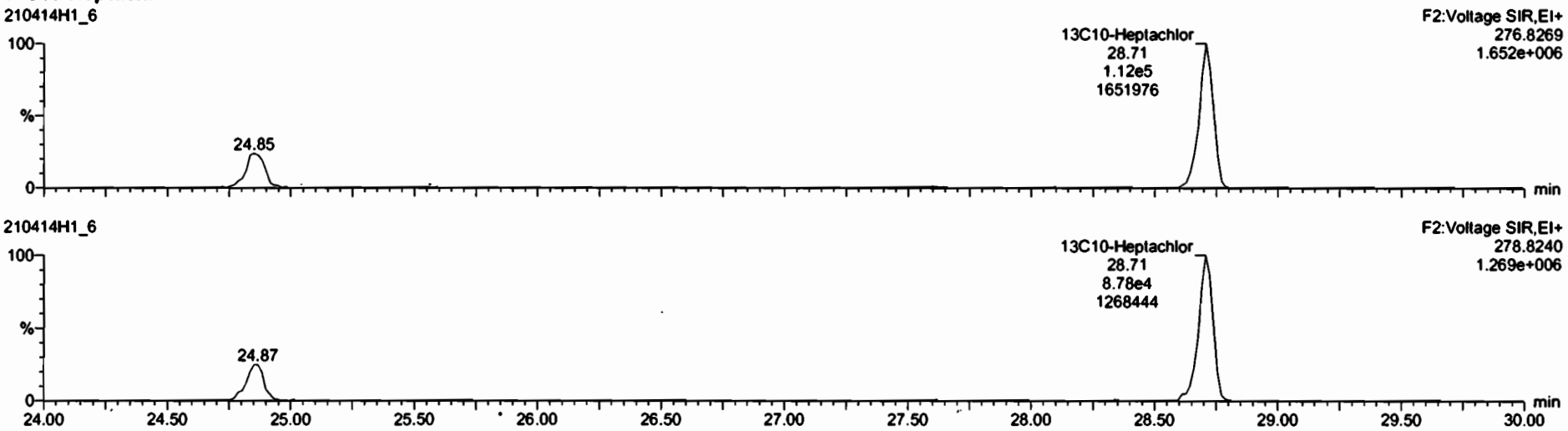
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_6, Date: 14-Apr-2021, Time: 13:51:53, ID: 2103216-01RE1 USMPDI-058RAB-00-10-210317 1.13, Description: USMPDI-058RAB-00-10-210317

Heptachlor



13C10-Heptachlor

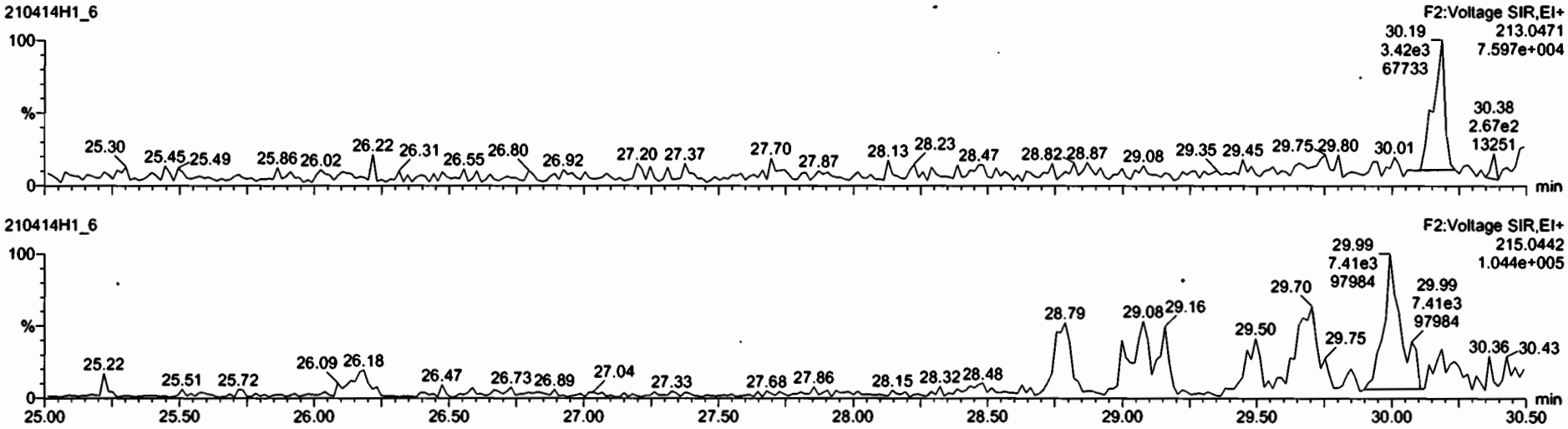


Dataset: Untitled

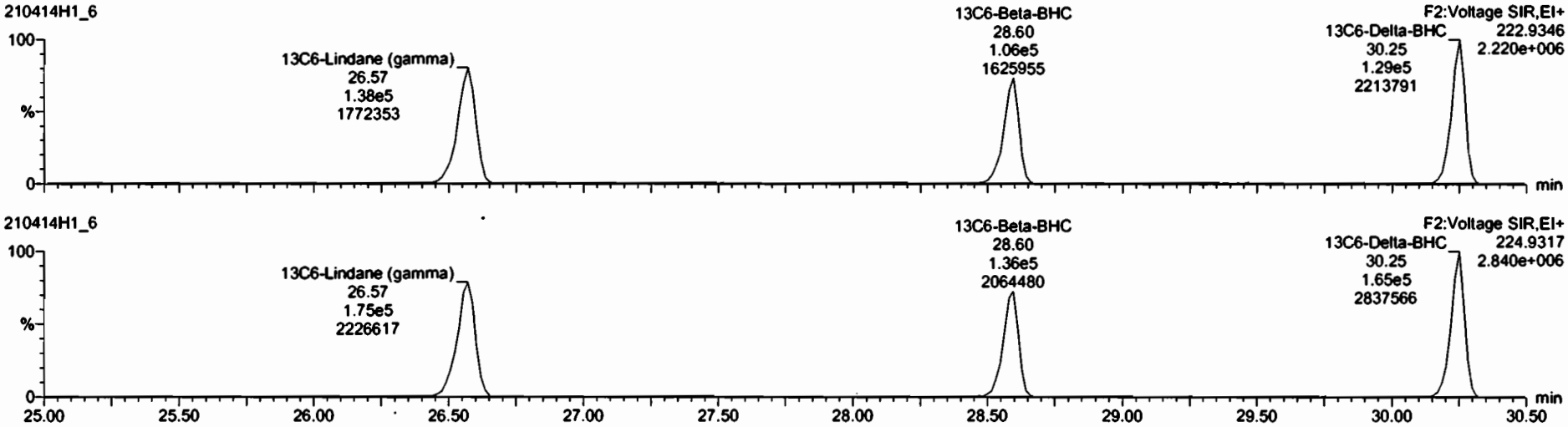
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_6, Date: 14-Apr-2021, Time: 13:51:53, ID: 2103216-01RE1 USMPDI-058RAB-00-10-210317 1.13, Description: USMPDI-058RAB-00-10-210317

4,4'-DDNU



13C6-Delta-BHC

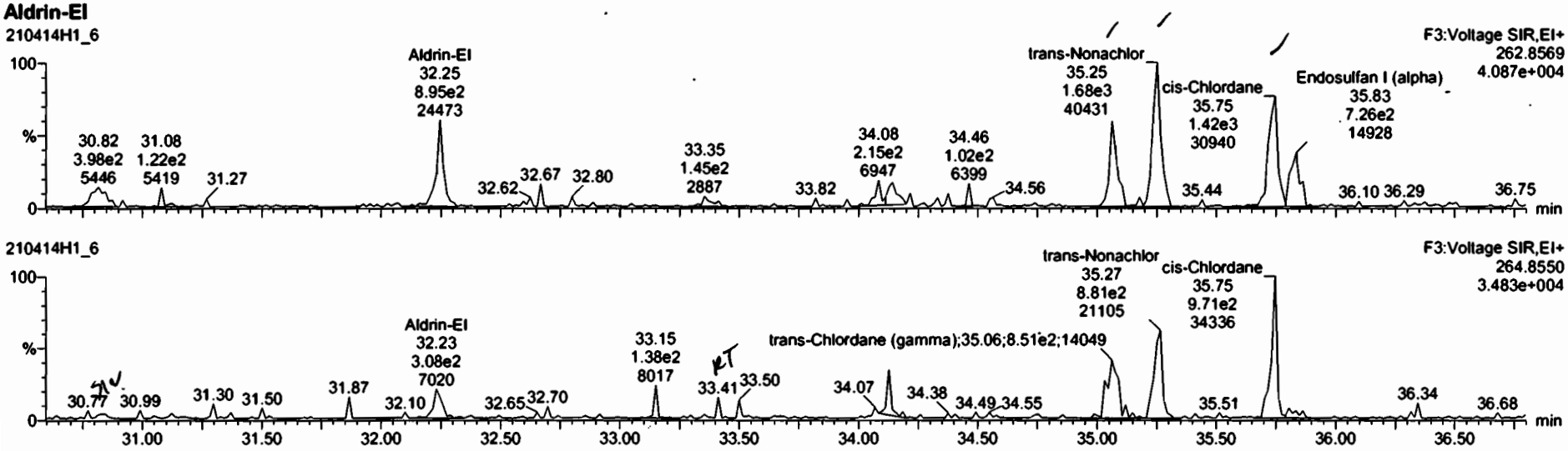


Dataset: Untitled

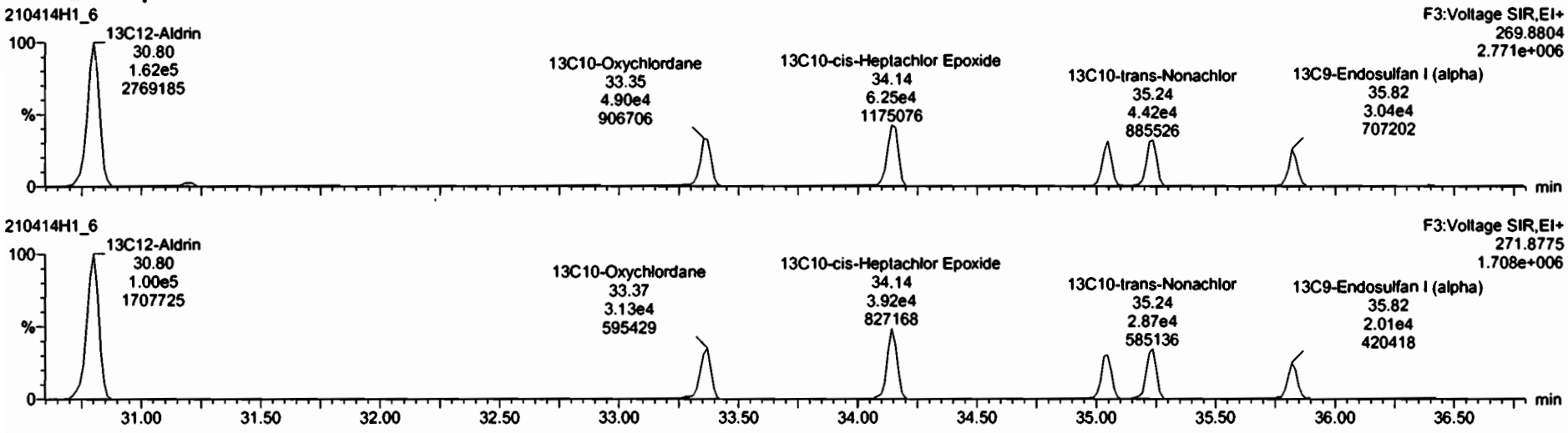
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_6, Date: 14-Apr-2021, Time: 13:51:53, ID: 2103216-01RE1 USMPDI-058RAB-00-10-210317 1.13, Description: USMPDI-058RAB-00-10-210317

Aldrin-EI



Aldrin-EI-isotopes

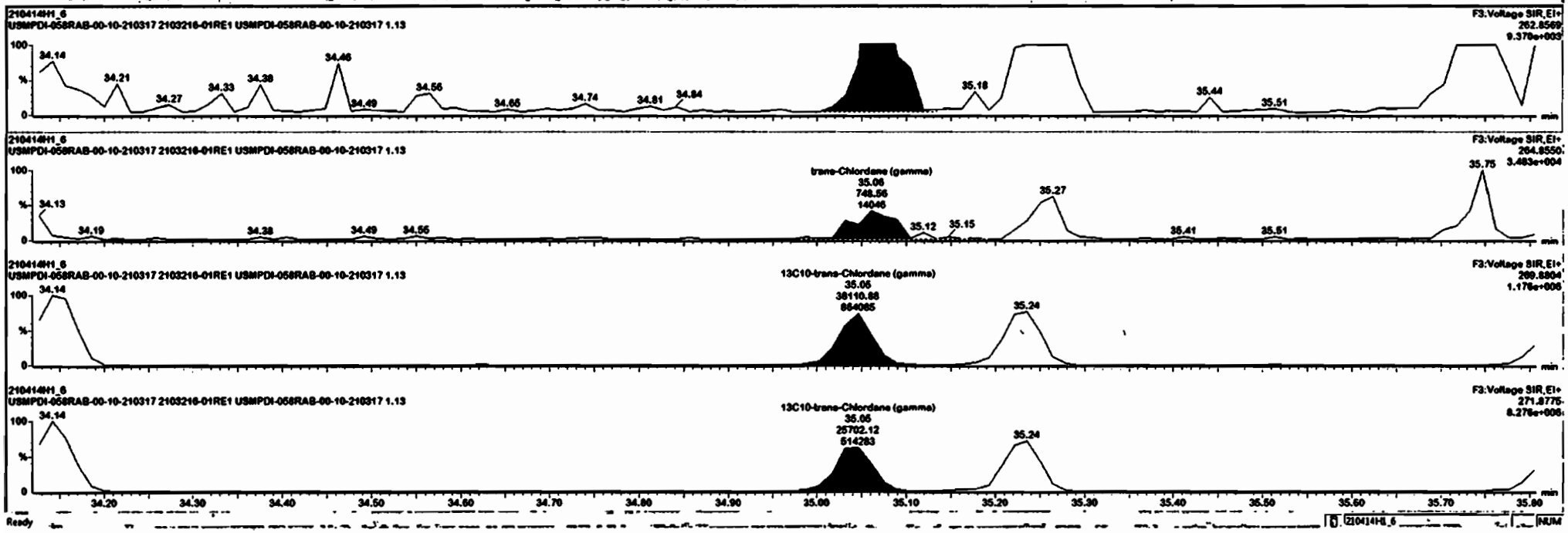


TargetLynx - 210414H1_6.qld * - [Chromatogram]

File Edit View Display Processing Window Help

210414H1_6 - 2103216-01RE1 USMPDI-058RAB-00-10-210317 1.13 - USMPDI-058RAB-00-10-210317

	#	Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1	Hexachlorobutadiene	1.03e5	1.82e6	0.09	YES	0.10	1.0162	10.01	10.02	1.001	1.002	NO	5432		1.02	790
2	2	Hexachlorobenzene	3.56e4	1.21e6	1.21	NO	0.98	1.0162	22.69	22.71	1.000	1.000	NO	29.42		0.0426	29.4
3	3	Alpha-BHC	6.79e2	4.00e5	0.64	YES	0.83	1.0162	23.21	23.26	0.999	1.001	NO	2.021		3.64	1.17
4	4	Lindane (gamma-BHC)		3.13e5		NO	0.86	1.0162		26.58		1.000	YES			4.88	
5	5	Beta-BHC	1.07e3	2.42e5	4.16	YES	1.00	1.0162	28.61	28.62	1.001	1.001	NO	4.352		4.53	2.60
6	6	Delta-BHC	1.22e3	2.93e5	4.03	YES	0.91	1.0162	30.24	30.28	0.999	1.001	NO	4.497		3.68	2.75
7	7	Heptachlor	1.84e3	2.00e5	0.08	YES	1.10	1.0162	28.71	28.74	1.000	1.001	NO	8.256		0.759	1.09
8	8	4,4'-DDNU		2.93e5		NO	1.25	1.0162		30.19		0.998	YES			2.32	
9	9	Aldrin		2.62e5		NO	1.09	1.0162		30.83		1.001	YES			1.13	
10	10	Oxychlordane		8.04e4		NO	1.06	1.0162		33.39		1.001	YES			3.50	
11	11	cis-Heptachlor Epoxide	5.23e2	1.02e5	1.12	YES	1.06	1.0162	34.14	34.18	1.000	1.001	NO	4.702		2.68	4.09
12	12	trans-Heptachlor Epoxide		1.02e5		NO	0.29	1.0162		34.68		1.016	YES			9.93	
13	13	trans-Chlordane (gamma)	1.66e3	6.36e4	1.22	NO	1.14	1.0162	35.06	35.08	1.000	1.001	NO	22.58		3.36	22.6
14	14	trans-Nonachlor	2.56e3	7.29e4	1.91	NO	1.06	1.0162	35.25	35.24	1.000	1.000	NO	32.70		3.57	32.7
15	15	cis-Chlordane	2.39e3	7.29e4	1.47	NO	1.16	1.0162	35.75	35.79	1.015	1.016	NO	27.78		3.25	27.8

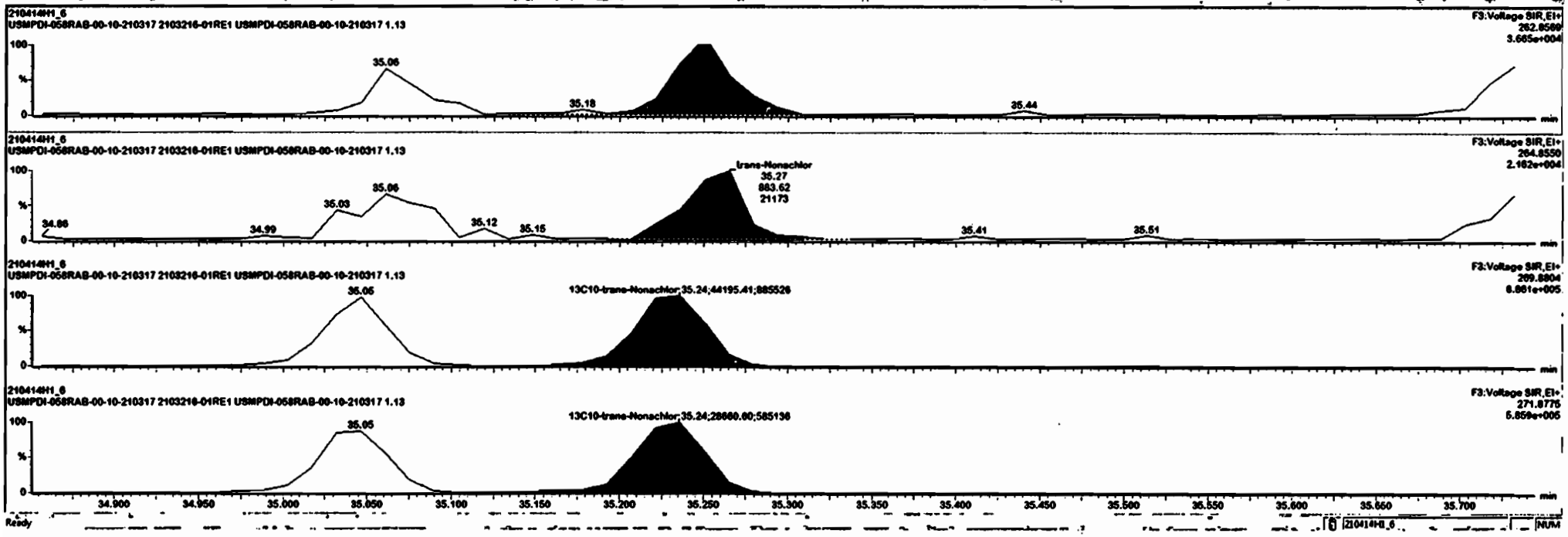


TargetLynx - 210414H1_6.qld * - [Chromatogram]

File Edit View Display Processing Window Help

210414H1_6 2103216-01RE1 USMPDI-058RAB-00-10-210317 1.13 - USMPDI-058RAB-00-10-210317

		Name	Resp	IS AREA	RA	Qlty	RRF	Wt/Vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1	Hexachlorobutadiene	1.03e5	1.62e6	0.09	YES	0.10	1.0162	10.01	10.02	1.001	1.002	NO	5432		1.82	790
2	2	Hexachlorobenzene	3.56e4	1.21e6	1.21	NO	0.98	1.0162	22.69	22.71	1.000	1.000	NO	29.42		0.0428	29.4
3	3	Alpha-BHC	6.79e2	4.60e5	0.64	YES	0.83	1.0162	23.21	23.26	0.999	1.001	NO	2.021		3.64	1.17
4	4	Lindane (gamma-BHC)		3.13e5		NO	0.86	1.0162		26.58		1.000	YES			4.88	
5	5	Beta-BHC	1.07e3	2.42e5	4.16	YES	1.00	1.0162	28.61	28.62	1.001	1.001	NO	4.352		4.53	2.60
6	6	Delta-BHC	1.22e3	2.93e5	4.03	YES	0.91	1.0162	30.24	30.28	0.999	1.001	NO	4.497		3.68	2.75
7	7	Heptachlor	1.84e3	2.00e5	0.68	YES	1.10	1.0162	28.71	28.74	1.000	1.001	NO	8.258		0.750	1.09
8	8	4,4'-DDMU		2.93e5		NO	1.25	1.0162		30.19		0.998	YES			2.32	
9	9	Aldrin		2.62e5		NO	1.09	1.0162		30.83		1.001	YES			1.13	
10	10	Oxychlordane		8.04e4		NO	1.06	1.0162		33.39		1.001	YES			3.50	
11	11	cis-Heptachlor Epoxide	5.23e2	1.02e5	1.12	YES	1.06	1.0162	34.14	34.18	1.000	1.001	NO	4.702		2.68	4.09
12	12	trans-Heptachlor Epoxide		1.02e5		NO	0.29	1.0162		34.68		1.016	YES			9.93	
13	13	trans-Chlordane (gamma)	1.66e3	6.38e4	1.22	NO	1.14	1.0162	35.06	35.08	1.000	1.001	NO	22.58		3.36	22.6
14	14	trans-Nonachlor	2.51e3	7.29e4	1.84	NO	1.06	1.0162	35.25	35.24	1.000	1.000	NO	32.07		3.57	32.1
15	15	cis-Chlordane	2.39e3	7.29e4	1.47	NO	1.16	1.0162	35.75	35.79	1.015	1.016	NO	27.78		3.25	27.8



Ready

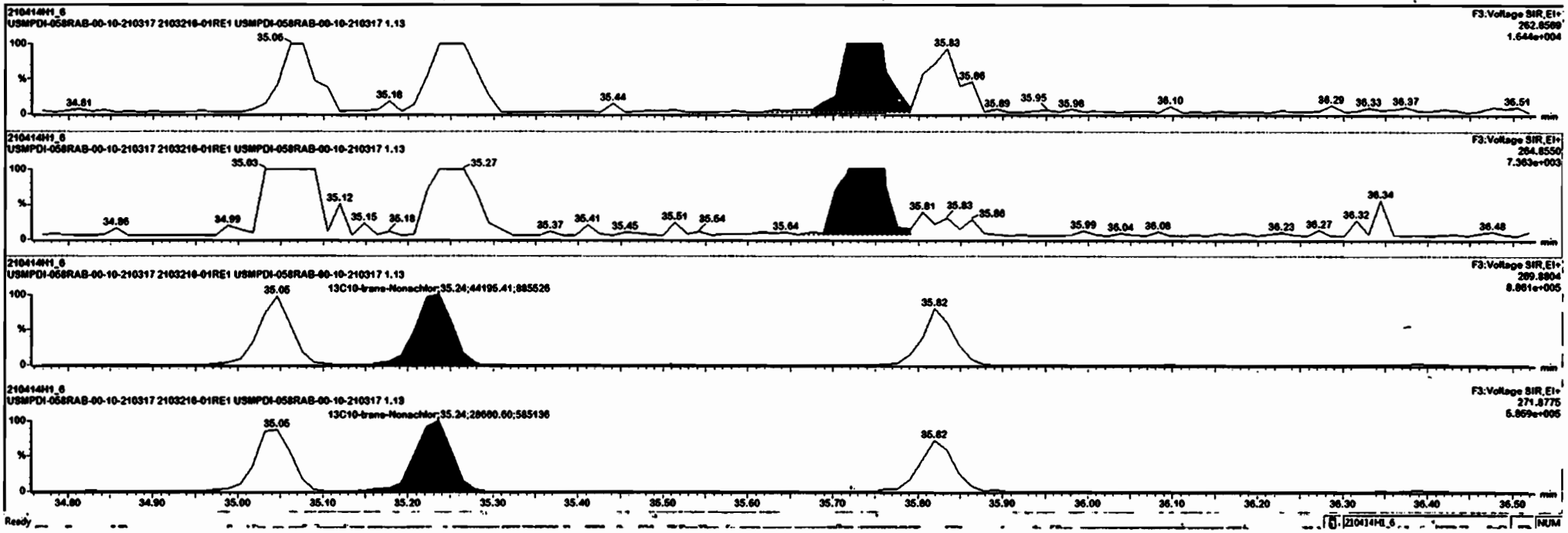
210414H1_6 NUM

TargetLynx - 210414H1_6.qld * - [Chromatogram]

File Edit View Display Processing Window Help

210414H1_6 - 2103216-01RE1 USMPDI-058RAB-00-10-210317 1.13 USMPDI-058RAB-00-10-210317

	#	Name	Resp	IS AREA	RA	Sy	RRF	wt/vol	RT	Pred RT	ART	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
1	1	Hexachlorobutadiene	1.03e5	1.82e6	0.09	YES	0.10	1.0162	10.01	10.02	1.001	1.002	NO	5432		1.62	790
2	2	Hexachlorobenzene	3.56e4	1.21e6	1.21	NO	0.98	1.0162	22.69	22.71	1.000	1.000	NO	29.42		0.0426	29.4
3	3	Alpha-BHC	6.79e2	4.00e5	0.84	YES	0.83	1.0162	23.21	23.20	0.999	1.001	NO	2.021		3.64	1.17
4	4	Lindane (gamma-BHC)		3.13e5		NO	0.86	1.0162		26.58		1.000	YES			4.88	
5	5	Beta-BHC	1.07e3	2.42e5	4.16	YES	1.00	1.0162	28.61	28.62	1.001	1.001	NO	4.352		4.53	2.80
6	6	Delta-BHC	1.22e3	2.93e5	4.03	YES	0.91	1.0162	30.24	30.28	0.999	1.001	NO	4.497		3.66	2.75
7	7	Heptachlor	1.84e3	2.00e5	0.06	YES	1.10	1.0162	28.71	28.74	1.000	1.001	NO	8.256		0.759	1.09
8	8	4,4'-DDMU		2.93e5		NO	1.25	1.0162		30.19		0.998	YES			2.32	
9	9	Aldrin		2.62e5		NO	1.09	1.0162		30.83		1.001	YES			1.13	
10	10	Oxychlordane		8.04e4		NO	1.06	1.0162		33.39		1.001	YES			3.50	
11	11	cis-Heptachlor Epoxide	5.23e2	1.02e5	1.12	YES	1.06	1.0162	34.14	34.18	1.000	1.001	NO	4.702		2.68	4.09
12	12	trans-Heptachlor Epoxide		1.02e5		NO	0.29	1.0162		34.68		1.010	YES			9.93	
13	13	trans-Chlordane (gamma)	1.66e3	6.36e4	1.22	NO	1.14	1.0162	35.06	35.06	1.000	1.001	NO	22.58		3.36	22.6
14	14	trans-Nonachlor	2.51e3	7.29e4	1.84	NO	1.06	1.0162	35.25	35.24	1.000	1.000	NO	32.07		3.57	32.1
15	15	cis-Chlordane	2.39e3	7.29e4	1.48	NO	1.16	1.0162	35.75	35.79	1.014	1.016	NO	27.76		3.25	27.8



Ready

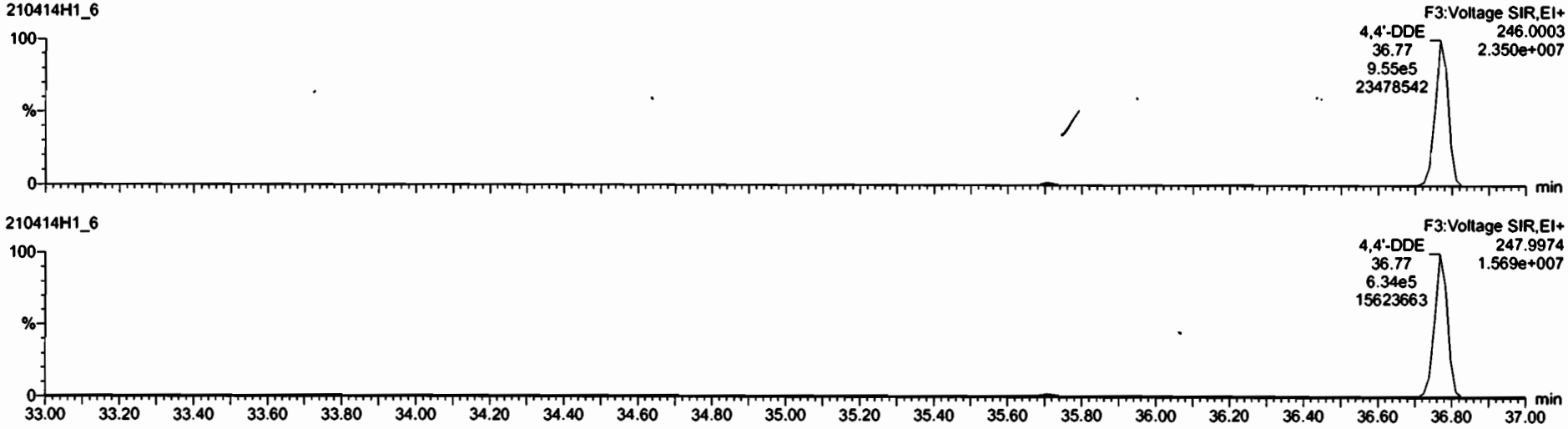
210414H1_6 NUM

Dataset: Untitled

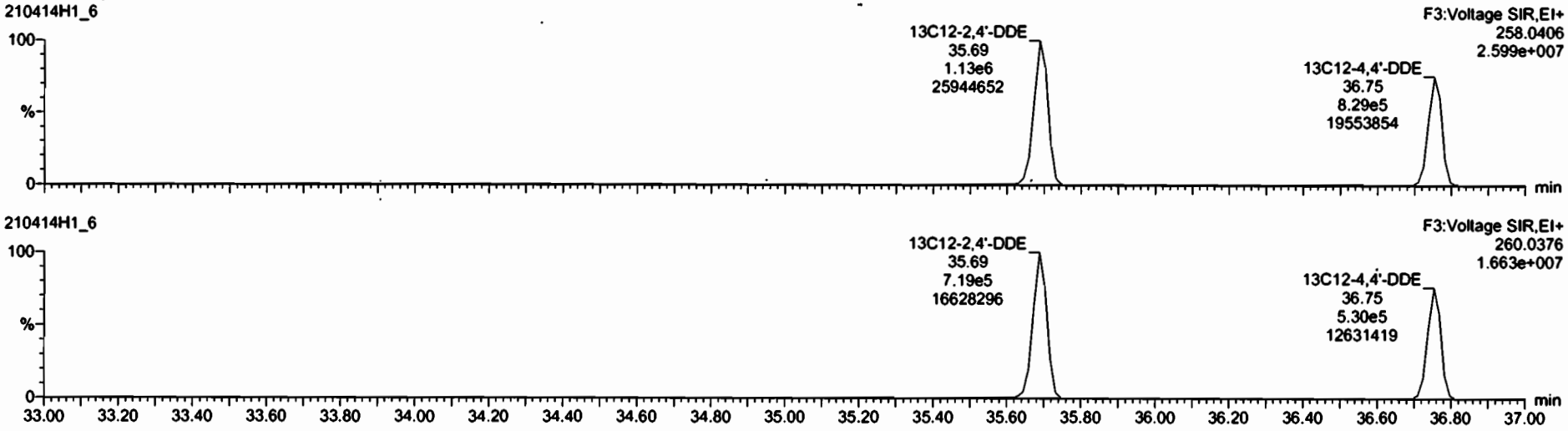
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_6, Date: 14-Apr-2021, Time: 13:51:53, ID: 2103216-01RE1 USMPDI-058RAB-00-10-210317 1.13, Description: USMPDI-058RAB-00-10-210317

DDMU-DDE



DDE-isotopes

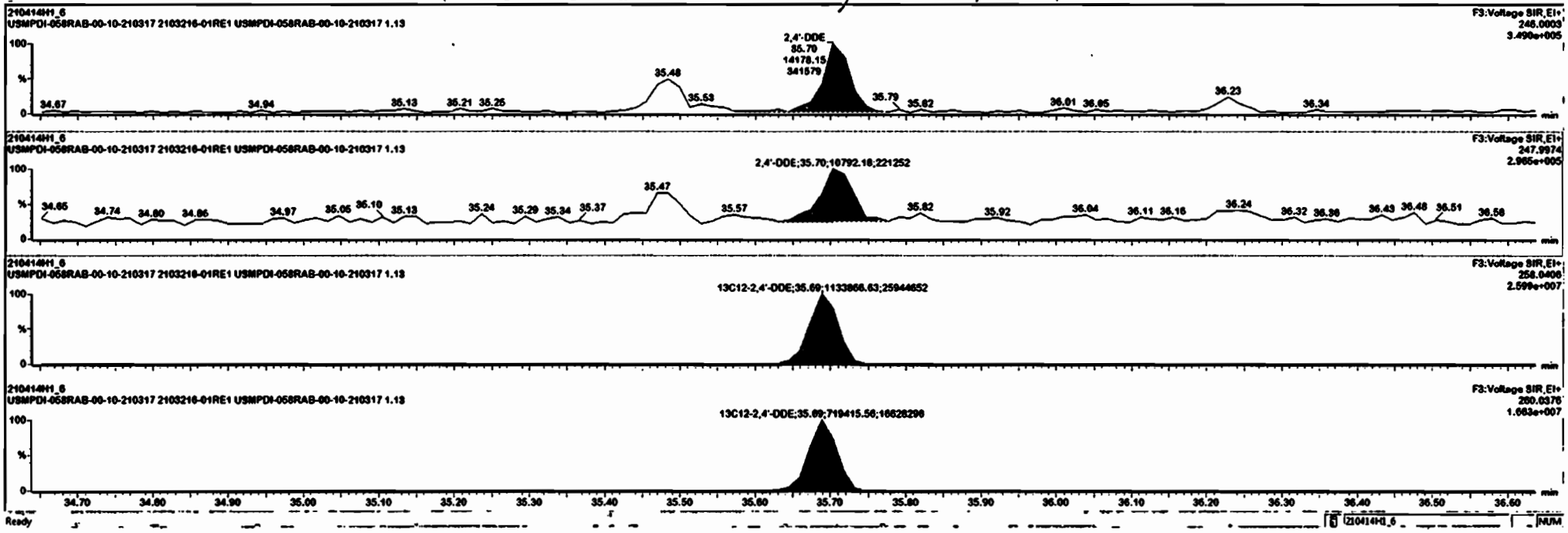


TargetLynx - 210414H1_6.qld * - [Chromatogram]

File Edit View Display Processing Window Help

210414H1_6 - 210317 0 RE1 USMPDI-058RAB-00-10-210317 1.13 - USMPDI-058RAB-00-10-210317

		Name	Resp	IS AREA	RA	a/y	RRF	w1/w1	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
13	13	trans-Chlordene (gamma)	1.66e3	6.36e4	1.22	NO	1.14	1.0162	35.06	35.06	1.000	1.001	NO	22.58		3.36	22.6
14	14	trans-Nonachlor	2.51e3	7.29e4	1.84	NO	1.86	1.0162	35.25	35.24	1.000	1.000	NO	32.07		3.57	32.1
15	15	cis-Chlordene	2.39e3	7.29e4	1.48	NO	1.16	1.0162	35.75	35.79	1.014	1.016	NO	27.76		3.25	27.8
16	16	Endosulfan I (alpha)	8.46e2	5.05e4	6.06	YES	1.23	1.0162	35.83	35.85	1.000	1.001	NO	13.46		3.82	4.86
17	17	4,4'-ODMU	8.47e4	1.85e6	3.24	NO		1.0162	35.48	35.47	0.994	0.994	NO	109.8		1.02	110
18	18	2,4'-DDE	2.50e4	1.85e6	1.31	NO	1.02	1.0162	35.70	35.69	1.000	1.000	NO	12.94		1.01	12.9
19	19	4,4'-DDE	1.59e6	1.36e6	1.51	NO	1.04	1.0162	36.77	36.75	1.000	1.000	NO	1110		1.32	1110
20	20	Dieldrin	3.66e3	1.47e5	1.71	NO	1.03	1.0162	37.29	37.30	1.001	1.001	NO	23.70		1.86	23.7
21	21	Endrin	6.79e2	1.16e5	1.69	NO	1.01	1.0162	38.67	38.70	1.000	1.001	NO	5.718		2.32	5.72
22	22	cis-Nonachlor	1.42e3	7.87e4	4.49	YES	1.00	1.0162	38.96	38.94	1.000	1.000	NO	17.73		3.37	8.40
23	23	Endosulfan II (beta)	5.32e2	2.48e4	2.86	YES	1.07	1.0162	39.67	39.67	1.000	1.000	NO	19.67		10.6	13.0
24	24	2,4'-DDD	4.14e5	1.66e6	1.63	NO	1.07	1.0162	37.99	37.89	1.000	1.000	NO	230.3		1.92	230
25	25	2,4'-DDT	4.52e4	9.76e5	1.41	NO	1.05	1.0162	39.03	39.02	1.000	1.000	NO	43.55		3.26	43.6
26	26	4,4'-DDD	1.07e6	1.32e6	1.63	NO	1.16	1.0162	39.15	39.14	1.000	1.000	NO	686.6		2.15	687
27	27	4,4'-DDT	4.81e5	8.16e5	1.59	NO	1.13	1.0162	40.22	40.24	1.000	1.001	NO	512.1		3.41	512



Ready

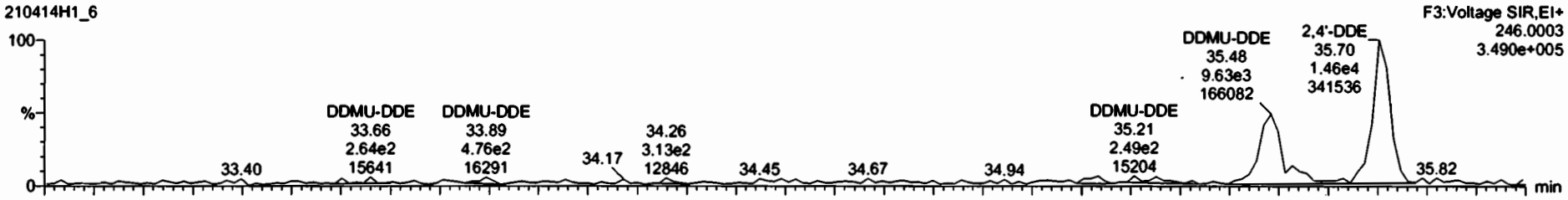
210414H1_6 NUM

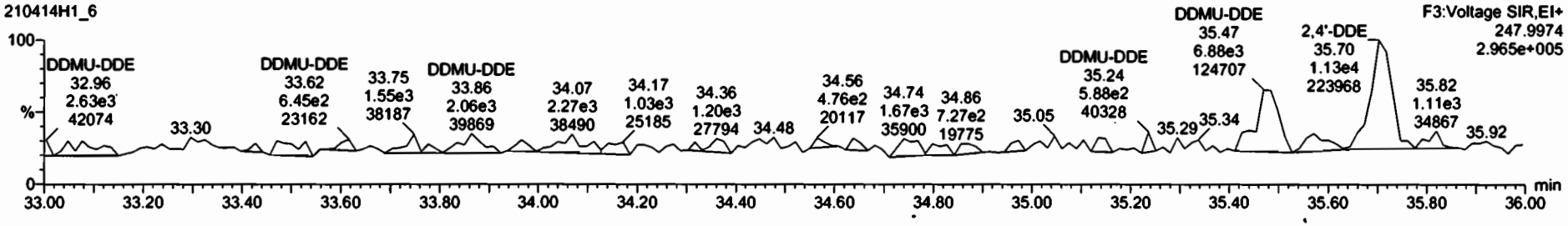
Dataset: Untitled

Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

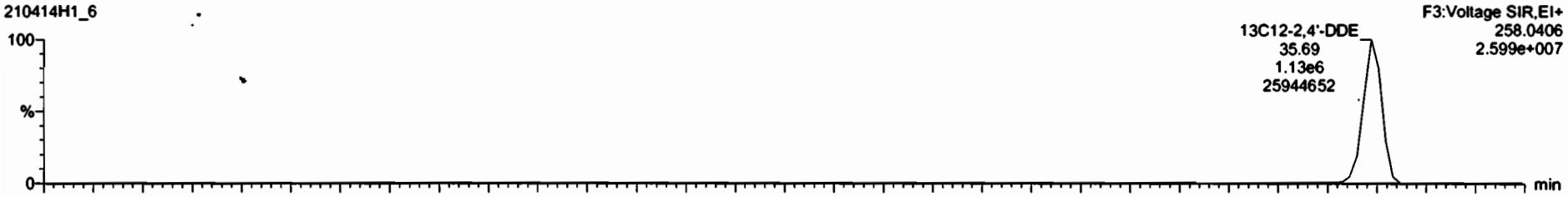
Name: 210414H1_6, Date: 14-Apr-2021, Time: 13:51:53, ID: 2103216-01RE1 USMPDI-058RAB-00-10-210317 1.13, Description: USMPDI-058RAB-00-10-210317

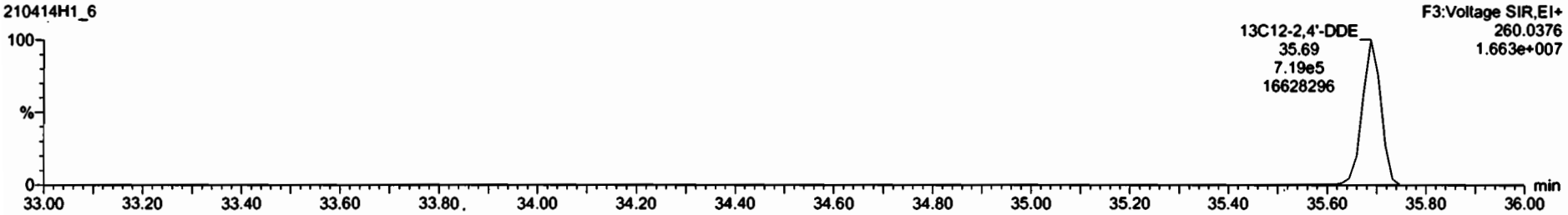
2,4'-DDE





13C12-2,4'-DDE



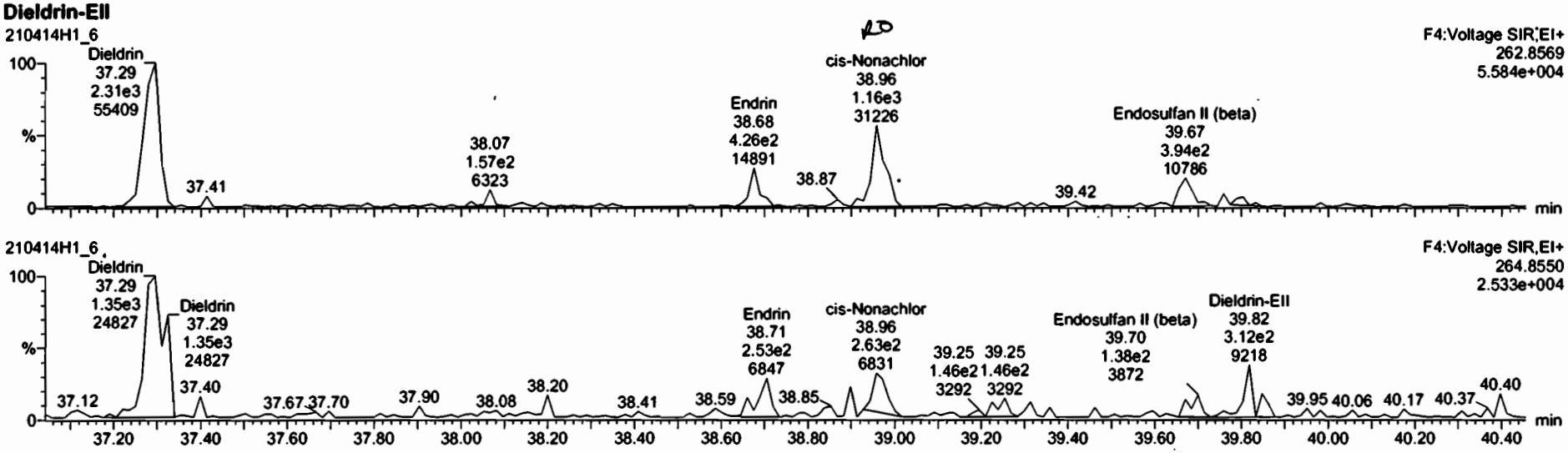


Dataset: Untitled

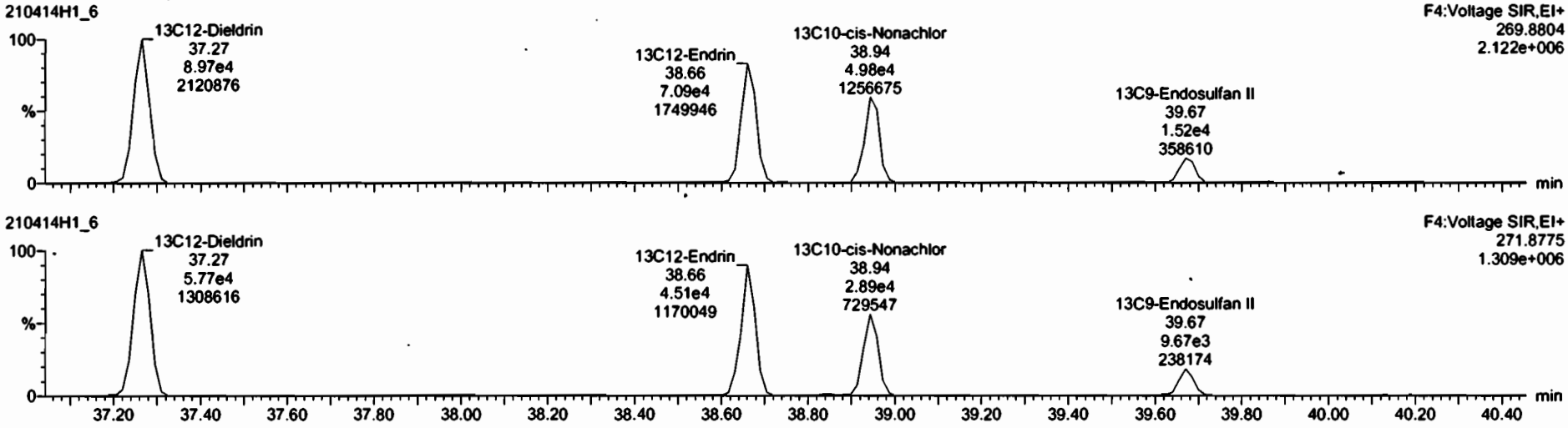
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_6, Date: 14-Apr-2021, Time: 13:51:53, ID: 2103216-01RE1 USMPDI-058RAB-00-10-210317 1.13, Description: USMPDI-058RAB-00-10-210317

Dieldrin-EII



Dieldrin-EII-isotopes

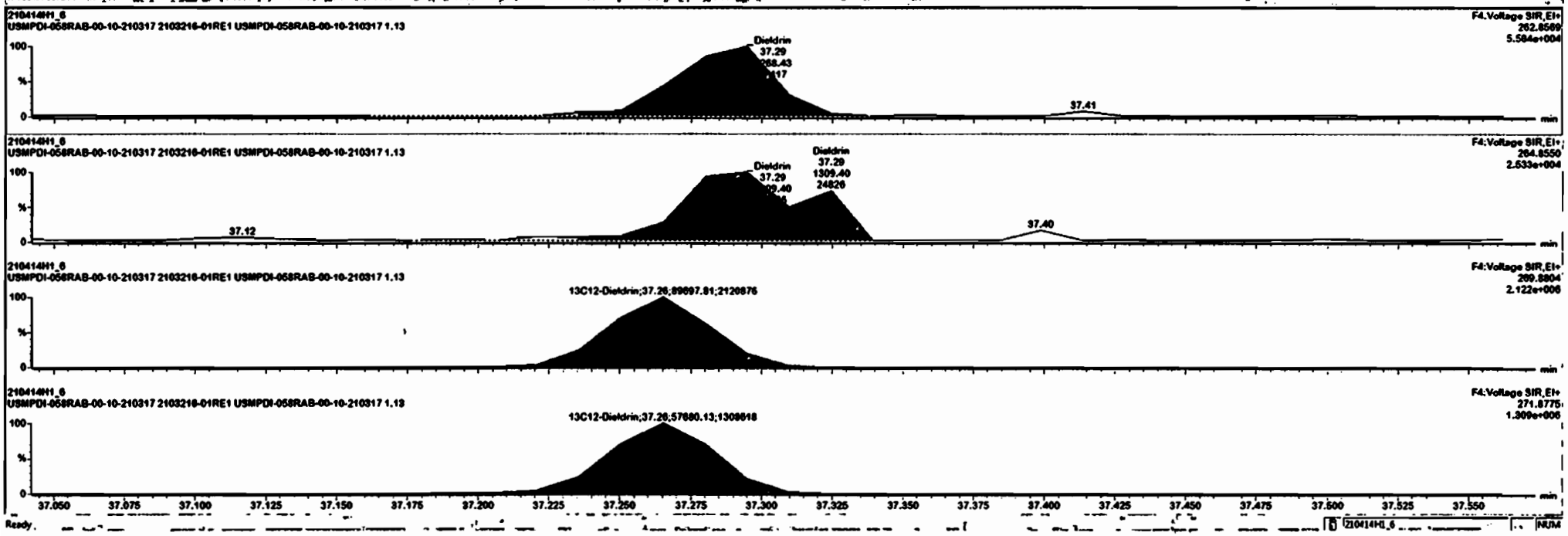


TargetLynx - 210414H1_6.qld * - [Chromatogram]

File Edit View Display Processing Window Help

210414H1_6 - 2103216-01RE1 USMPDI-058RAB-00-10-210317 1.13 - USMPDI-058RAB-00-10-210317

	#	Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
13	13	trans-Chlordane (gamma)	1.66e3	6.38e4	1.22	NO	1.14	1.0162	35.06	35.08	1.000	1.001	NO	22.58		3.36	22.6
14	14	trans-Nonachlor	2.51e3	7.29e4	1.84	NO	1.06	1.0162	35.25	35.24	1.000	1.000	NO	32.07		3.57	32.1
15	15	cis-Chlordane	2.39e3	7.29e4	1.48	NO	1.16	1.0162	35.75	35.79	1.014	1.016	NO	27.76		3.25	27.8
16	16	Endosulfan I (alpha)	8.46e2	5.05e4	6.06	YES	1.23	1.0162	35.83	35.85	1.000	1.001	NO	13.40		3.82	4.86
17	17	4,4'-DDMU	8.47e4	1.85e6	3.24	NO		1.0162	35.48	35.47	0.994	0.994	NO	109.8		1.02	110
18	18	2,4'-DDE	2.50e4	1.85e6	1.31	NO	1.02	1.0162	35.70	35.69	1.000	1.000	NO	12.94		1.01	12.9
19	19	4,4'-DDE	1.59e6	1.36e6	1.51	NO	1.04	1.0162	36.77	36.75	1.000	1.000	NO	1110		1.32	1110
20	20	Dieldrin	3.58e3	1.47e5	1.73	NO	1.03	1.0162	37.29	37.30	1.001	1.001	NO	23.20		1.86	23.2
21	21	Endrin	6.79e2	1.16e5	1.69	NO	1.01	1.0162	38.67	38.70	1.000	1.001	NO	5.718		2.32	5.72
22	22	cis-Nonachlor	1.42e3	7.87e4	4.40	YES	1.00	1.0162	38.96	38.94	1.000	1.000	NO	17.73		3.37	8.40
23	23	Endosulfan II (beta)	5.32e2	2.48e4	2.86	YES	1.07	1.0162	39.67	39.67	1.000	1.000	NO	19.67		10.6	13.0
24	24	2,4'-DDD	4.14e5	1.66e6	1.63	NO	1.07	1.0162	37.90	37.89	1.000	1.000	NO	230.3		1.92	230
25	25	2,4'-DDT	4.52e4	9.76e5	1.41	NO	1.05	1.0162	39.03	39.02	1.000	1.000	NO	43.55		3.28	43.6
26	26	4,4'-DDD	1.07e6	1.32e6	1.63	NO	1.16	1.0162	39.15	39.14	1.000	1.000	NO	686.6		2.15	687
27	27	4,4'-DDT	4.81e5	8.16e5	1.59	NO	1.13	1.0162	40.22	40.24	1.000	1.001	NO	512.1		3.41	512

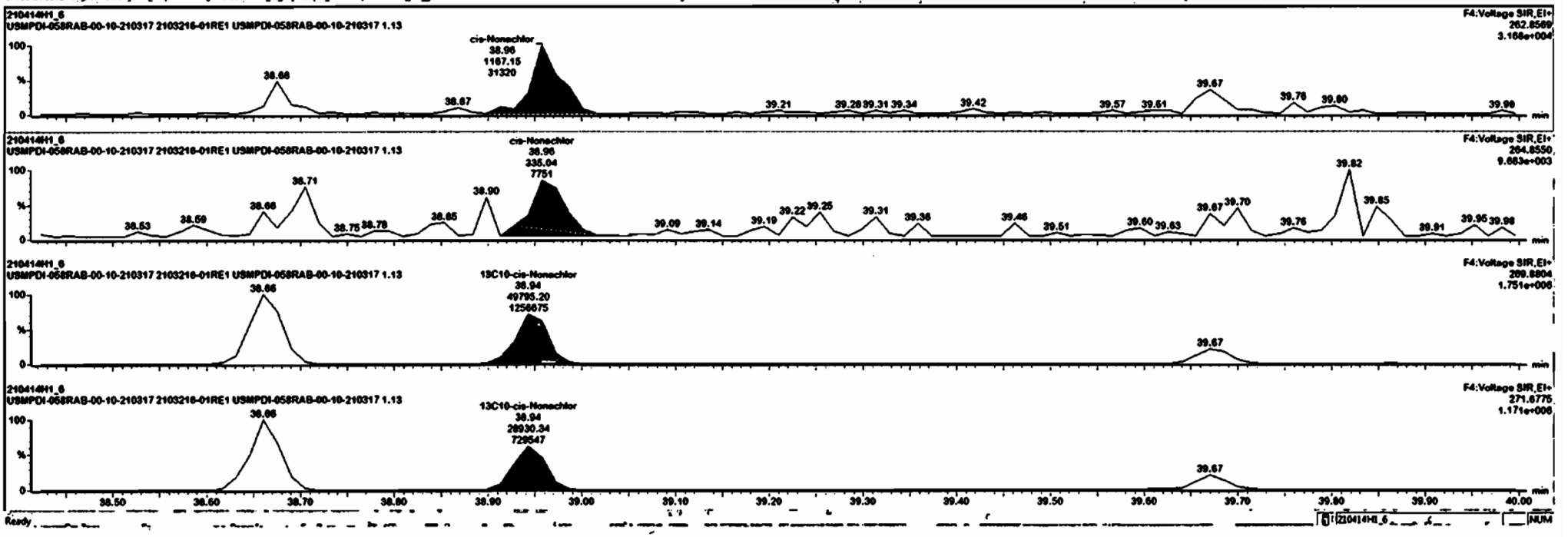


TargetLynx - 210414H1_6.qld * - [Chromatogram]

File Edit View Display Processing Window Help

210414H1_6 - 2103216-01RE1 USMPDI-058RAB-00-10-210317 1.13 - USMPDI-058RAB-00-10-210317

	#	Name	Resp	S/N AREA	RA	qly	RRF	wtVal	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	%MC
13	13	trans-Chlordane (gamma)	1.66e3	6.36e4	1.22	NO	1.14	1.0162	35.06	35.06	1.000	1.001	NO	22.58		3.36	22.6
14	14	trans-Nonachlor	2.51e3	7.29e4	1.84	NO	1.06	1.0162	35.25	35.24	1.000	1.000	NO	32.07		3.57	32.1
15	15	cis-Chlordane	2.39e3	7.29e4	1.48	NO	1.16	1.0162	35.75	35.79	1.014	1.016	NO	27.76		3.25	27.8
16	16	Endosulfan I (alpha)	6.46e2	5.05e4	6.06	YES	1.23	1.0162	35.83	35.85	1.000	1.001	NO	13.40		3.82	4.86
17	17	4,4'-DDMU	8.47e4	1.85e6	3.24	NO		1.0162	35.48	35.47	0.994	0.994	NO	109.8		1.02	110
18	18	2,4'-DDE	2.50e4	1.85e6	1.31	NO	1.02	1.0162	35.70	35.69	1.000	1.000	NO	12.94		1.01	12.9
19	19	4,4'-DDE	1.59e6	1.36e6	1.51	NO	1.04	1.0162	36.77	36.75	1.000	1.000	NO	1110		1.32	1110
20	20	Dieldrin	3.58e3	1.47e5	1.73	NO	1.03	1.0162	37.29	37.30	1.001	1.001	NO	25.20		1.86	23.2
21	21	Endrin	6.79e2	1.16e5	1.69	NO	1.01	1.0162	38.67	38.70	1.000	1.001	NO	5.718		2.32	5.72
22	22	cis-Nonachlor	1.50e3	7.87e4	3.48	YES	1.00	1.0162	38.96	38.94	1.000	1.000	NO	18.77		3.37	19.7
23	23	Endosulfan II (beta)	5.32e2	2.48e4	2.86	YES	1.07	1.0162	39.67	39.67	1.000	1.000	NO	19.67		10.8	13.0
24	24	2,4'-DDD	4.14e5	1.66e6	1.63	NO	1.07	1.0162	37.90	37.89	1.000	1.000	NO	230.3		1.92	230
25	25	2,4'-DDT	4.52e4	9.76e5	1.41	NO	1.05	1.0162	39.03	39.02	1.000	1.000	NO	43.55		3.28	43.6
26	26	4,4'-DDD	1.07e6	1.32e6	1.63	NO	1.16	1.0162	39.15	39.14	1.000	1.000	NO	686.6		2.15	687
27	27	4,4'-DDT	4.81e5	8.16e5	1.59	NO	1.13	1.0162	40.22	40.24	1.000	1.001	NO	512.1		3.41	512



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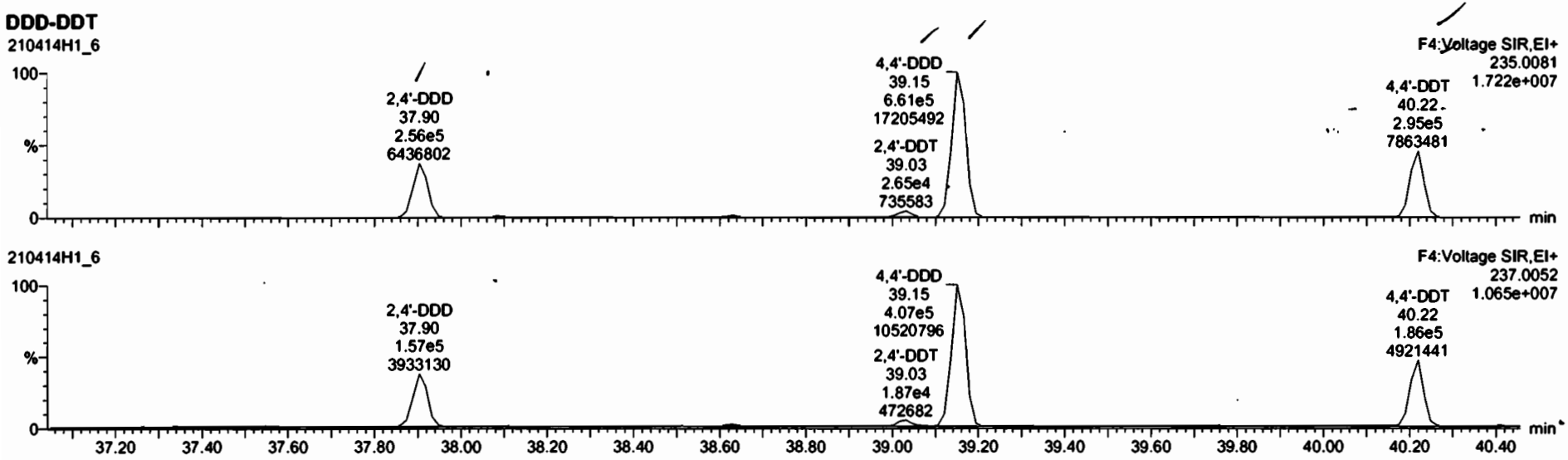
Name: 210414H1_6, Date: 14-Apr-2021, Time: 13:51:53, ID: 2103216-01RE1 USMPDI-058RAB-00-10-210317 1.13, Description: USMPDI-058RAB-00-10-210317

DDD-DDT



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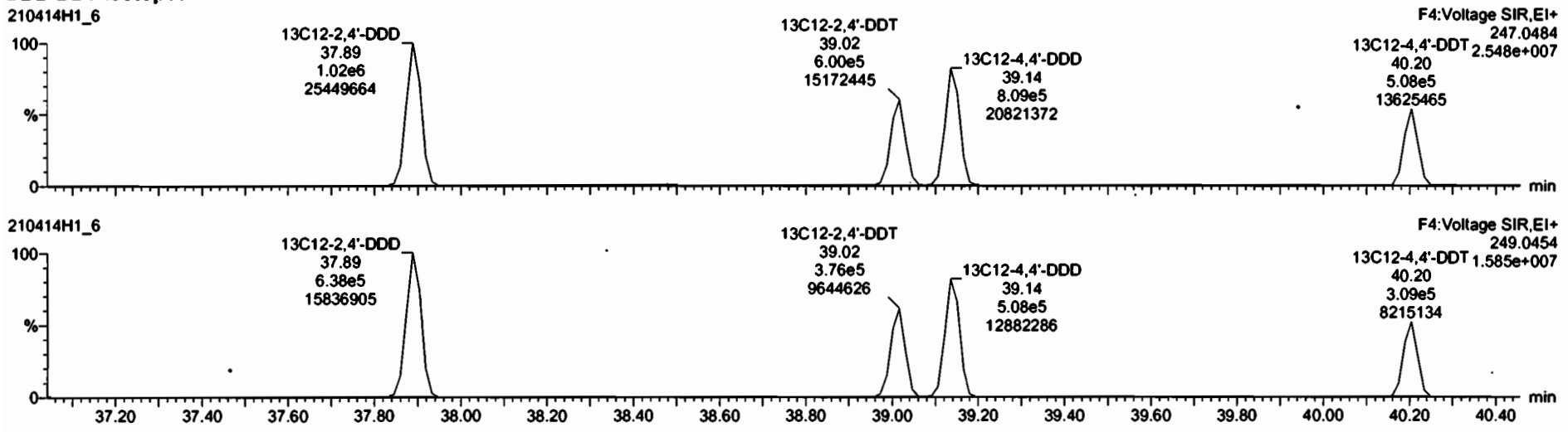
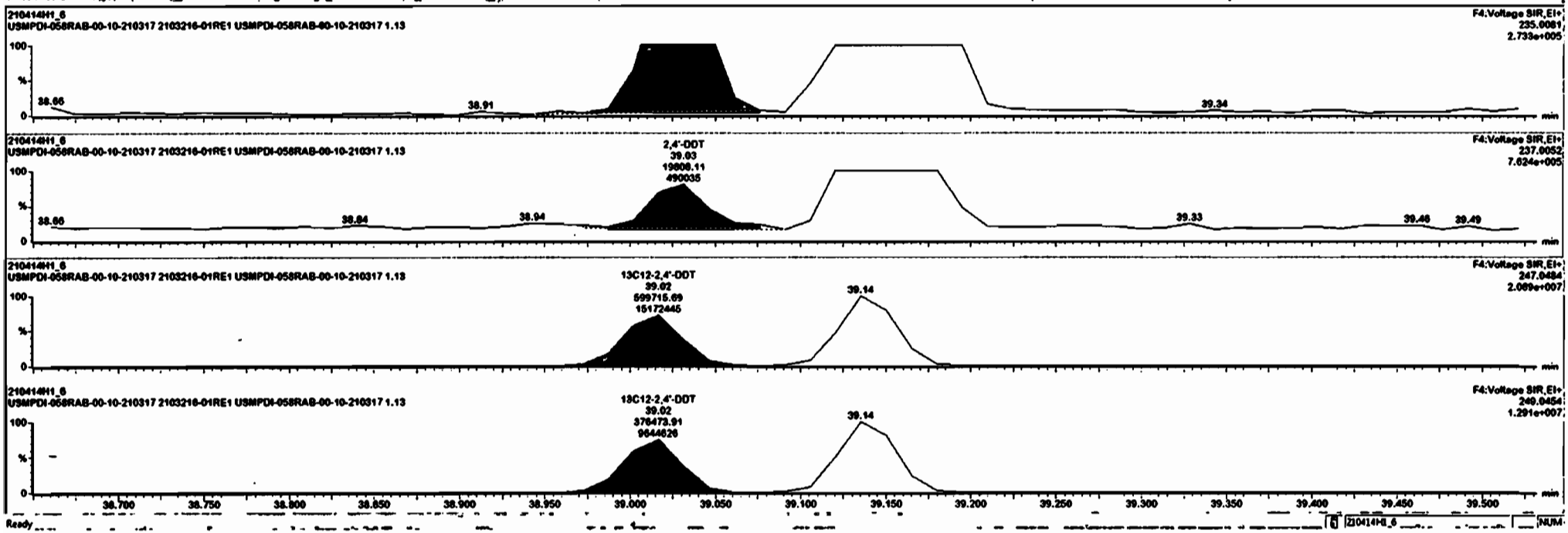


TargetLynx - 210414H1_6.qld * - [Chromatogram]

File Edit View Display Processing Window Help

210414H1_6 - 2103216-01RE1 USMPDI-058RAB-00-10-210317 1.13 USMPDI-058RAB-00-10-210317

	#	Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
13	13	trans-Chlordane (gamma)	1.66e3	6.38e4	1.22	NO	1.14	1.0162	35.06	35.06	1.000	1.001	NO	22.58		3.36	22.6
14	14	trans-Nonachlor	2.51e3	7.29e4	1.84	NO	1.06	1.0162	35.25	35.24	1.000	1.000	NO	32.07		3.57	32.1
15	15	cis-Chlordane	2.39e3	7.29e4	1.48	NO	1.16	1.0162	35.75	35.79	1.014	1.016	NO	27.76		3.25	27.8
16	16	Endosulfan I (alpha)	8.46e2	5.05e4	6.06	YES	1.23	1.0162	35.83	35.85	1.000	1.001	NO	13.40		3.82	4.86
17	17	4,4'-DDMU	8.47e4	1.85e6	3.24	NO		1.0162	35.48	35.47	0.994	0.994	NO	109.8		1.02	110
18	18	2,4'-DDE	2.50e4	1.85e6	1.31	NO	1.02	1.0162	35.70	35.69	1.000	1.000	NO	12.94		1.01	12.9
19	19	4,4'-DDE	1.59e6	1.36e6	1.51	NO	1.04	1.0162	36.77	36.75	1.000	1.000	NO	1110		1.32	1110
20	20	Dieldrin	3.58e3	1.47e5	1.73	NO	1.03	1.0162	37.29	37.30	1.001	1.001	NO	23.20		1.86	23.2
21	21	Endrin	6.79e2	1.16e5	1.69	NO	1.01	1.0162	38.67	38.70	1.000	1.001	NO	5.718		2.32	5.72
22	22	cis-Nonachlor	1.50e3	7.87e4	3.48	YES	1.00	1.0162	38.96	38.94	1.000	1.000	NO	16.77		3.37	10.7
23	23	Endosulfan II (beta)	5.32e2	2.48e4	2.86	YES	1.07	1.0162	39.67	39.67	1.000	1.000	NO	19.67		10.6	13.0
24	24	2,4'-DDD	4.14e5	1.66e6	1.63	NO	1.07	1.0162	37.90	37.89	1.000	1.000	NO	230.3		1.92	230
25	25	2,4'-DDT	4.66e4	9.76e5	1.35	NO	1.05	1.0162	39.03	39.02	1.000	1.000	NO	44.84		3.28	44.8
26	26	4,4'-DDD	1.07e6	1.32e6	1.63	NO	1.16	1.0162	39.15	39.14	1.000	1.000	NO	686.6		2.15	687
27	27	4,4'-DDT	4.81e5	8.16e5	1.59	NO	1.13	1.0162	40.22	40.24	1.000	1.001	NO	512.1		3.41	512



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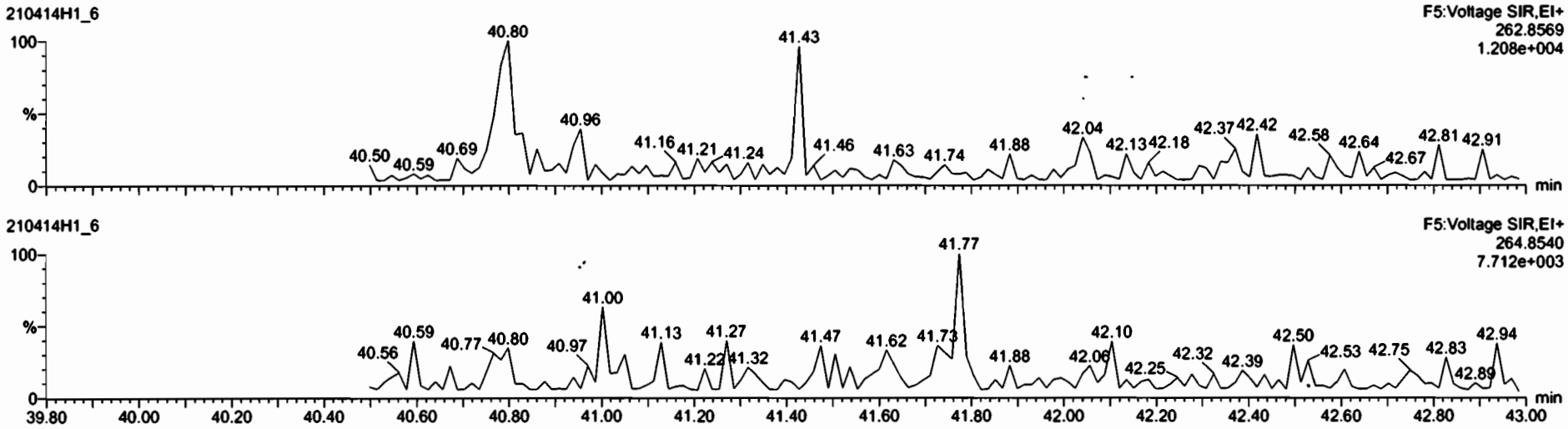
Name: 210414H1_6, Date: 14-Apr-2021, Time: 13:51:53, ID: 2103216-01RE1 USMPDI-058RAB-00-10-210317 1.13, Description: USMPDI-058RAB-00-10-210317

Endosulfan Sulfate



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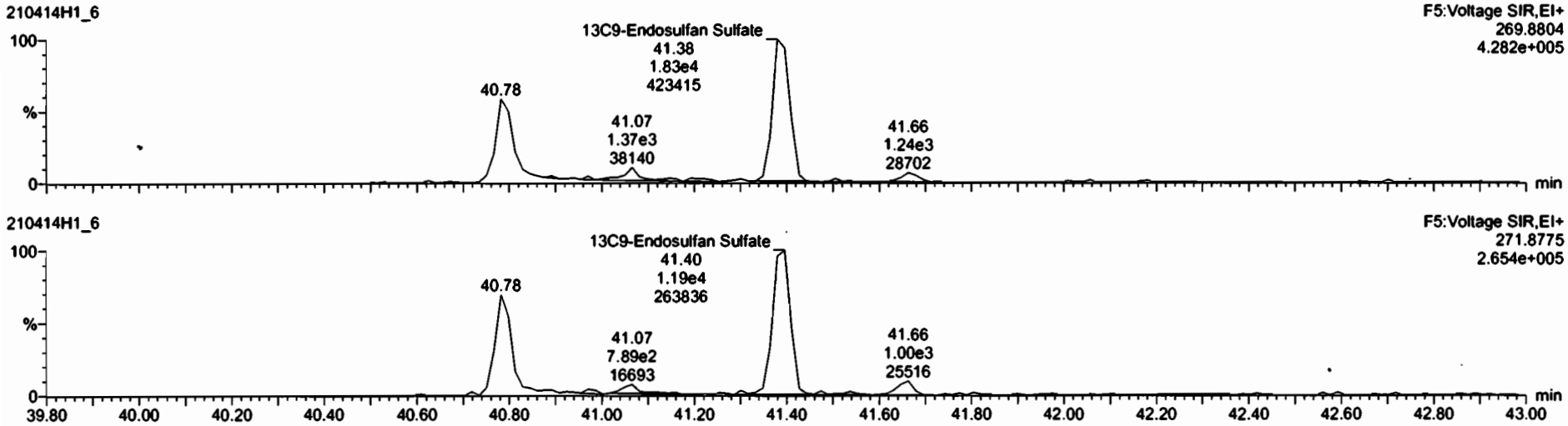

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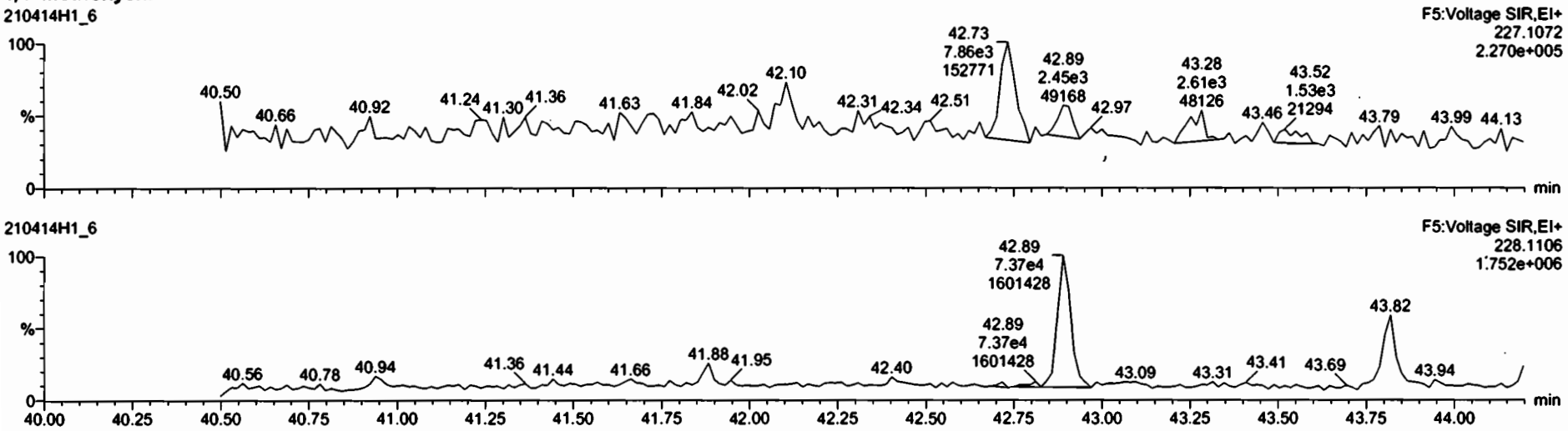
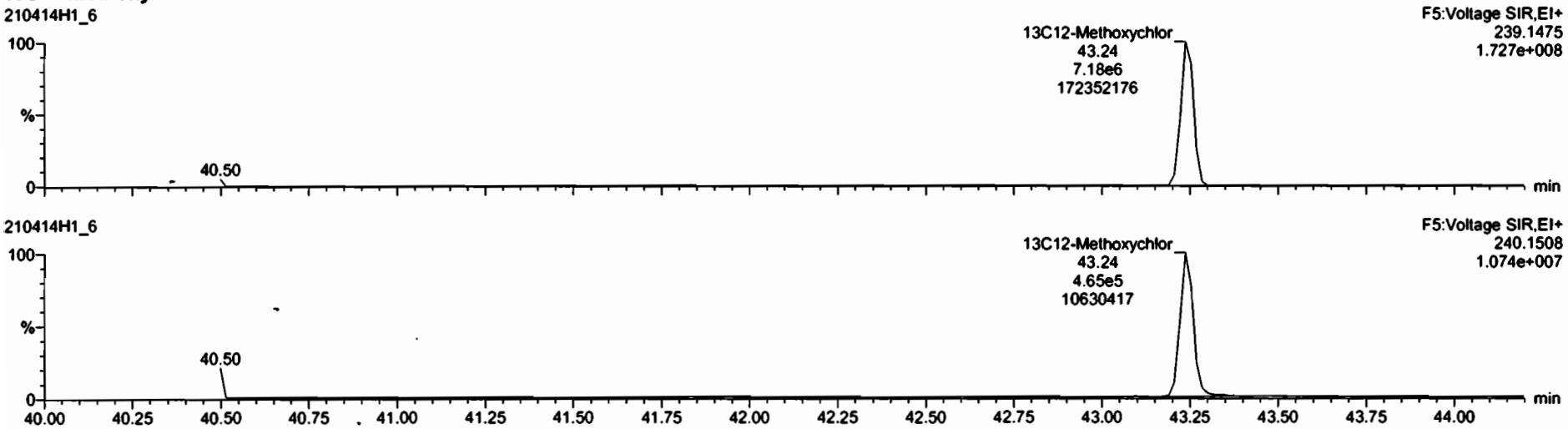
4,4'-Methoxychlor



13C12-Methoxychlor



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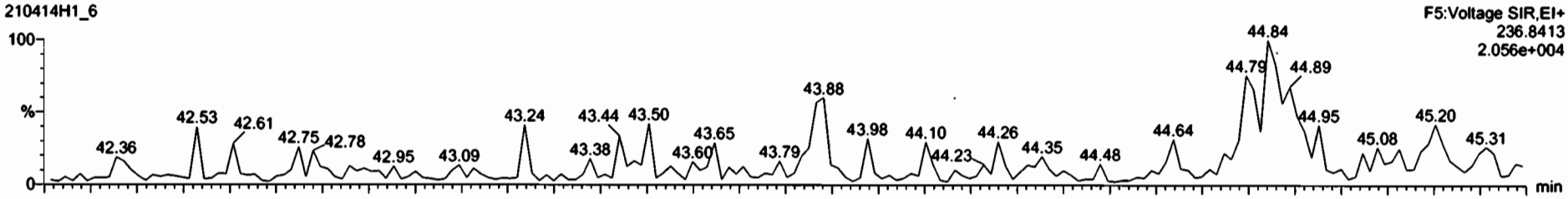
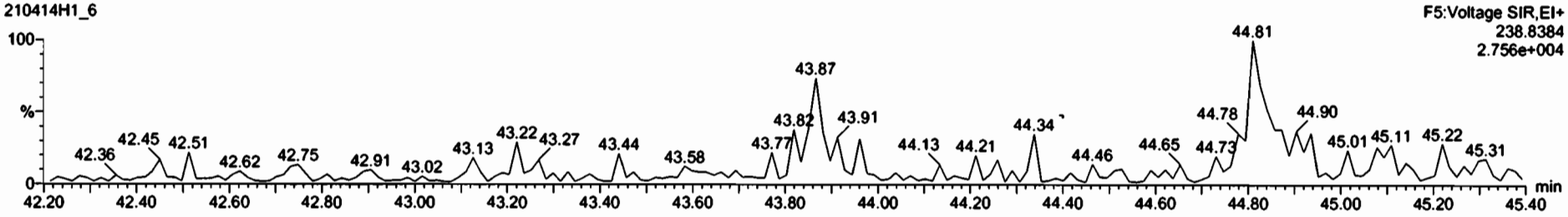
Mirex





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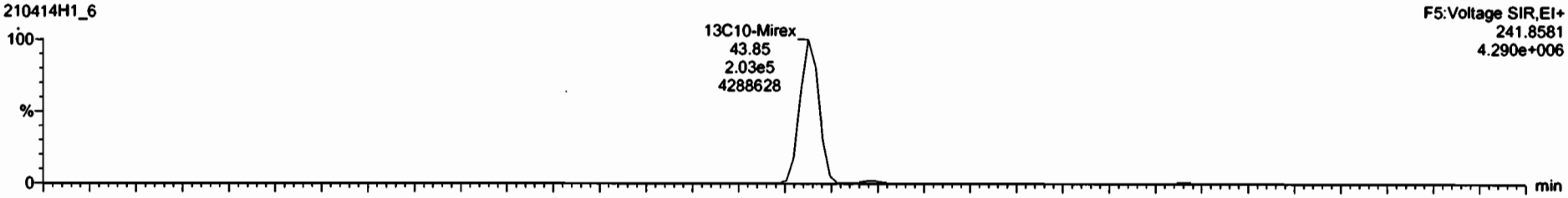

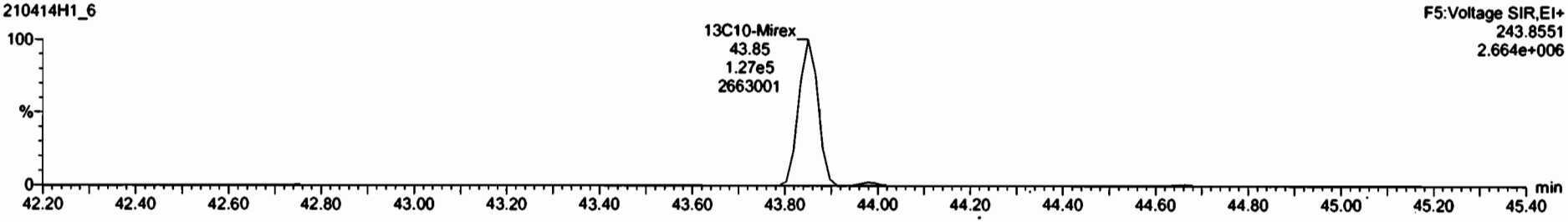

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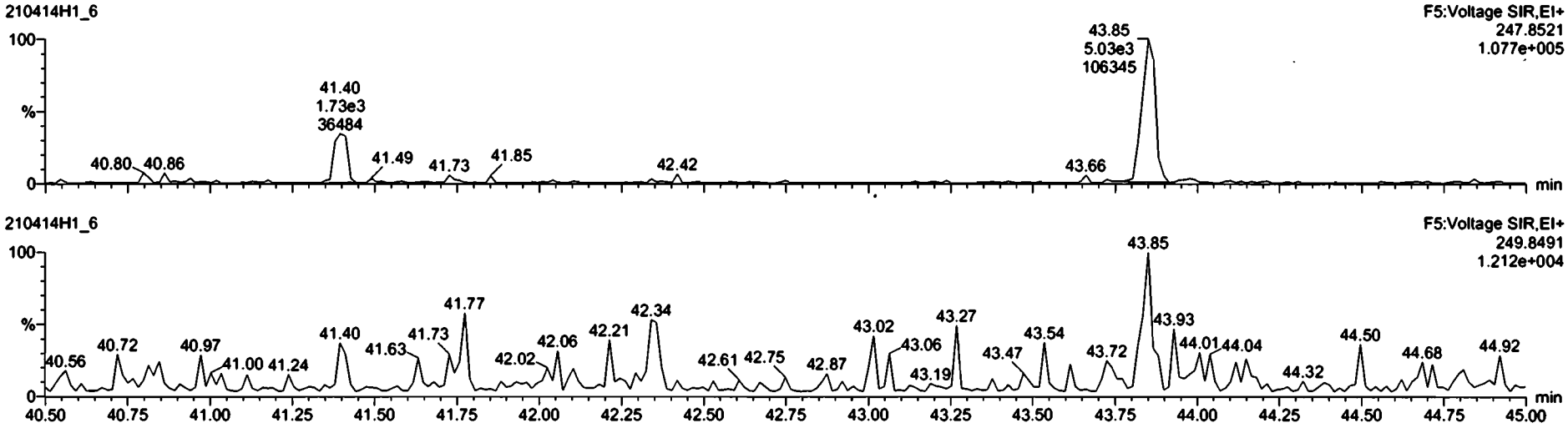
EA-EK



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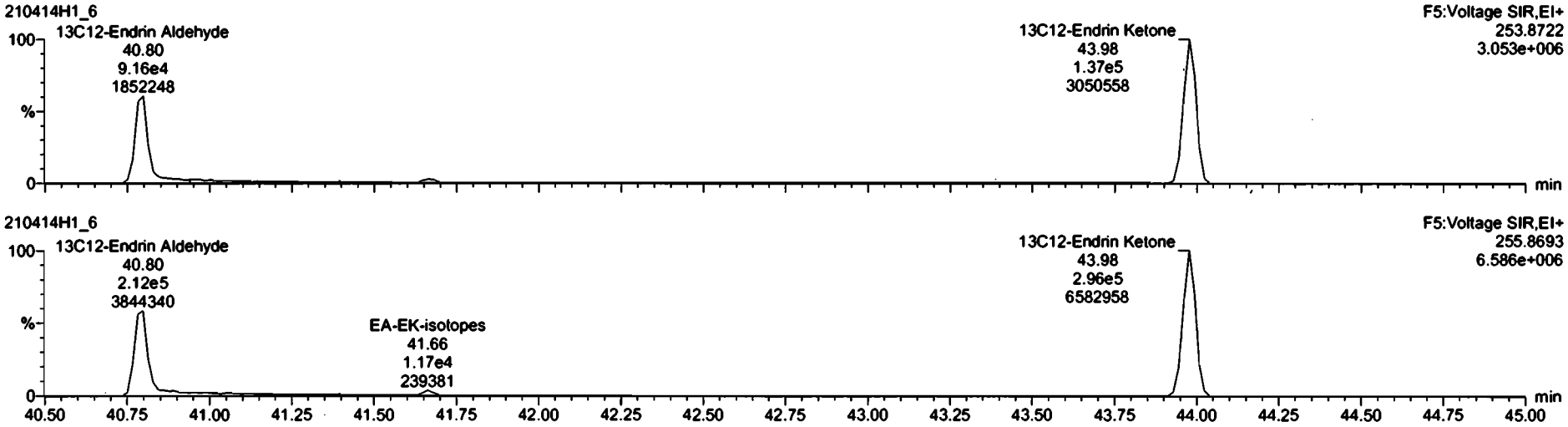

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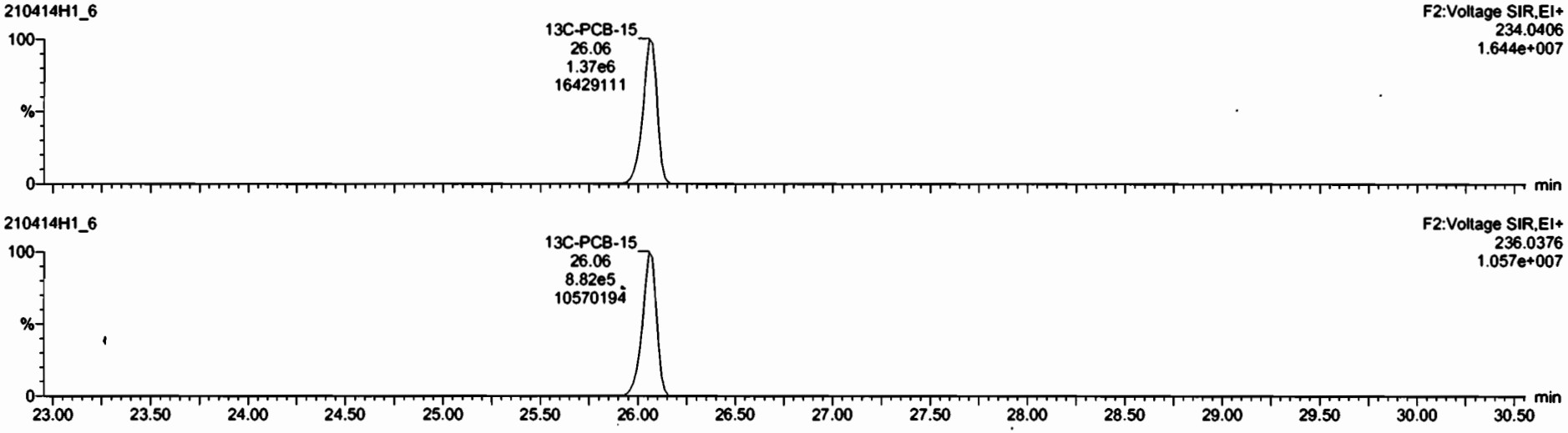

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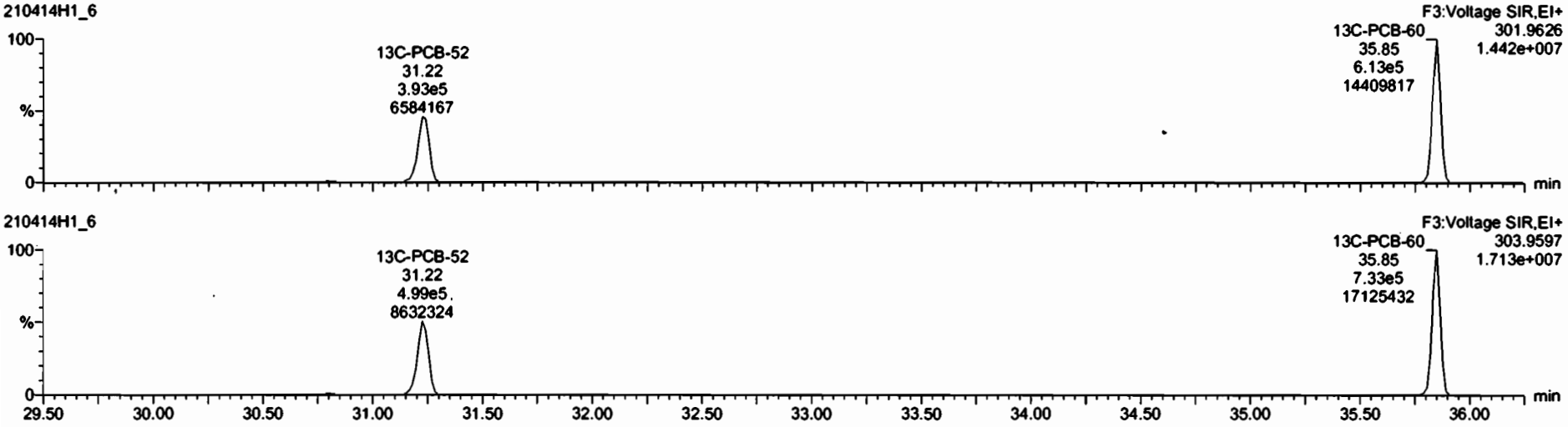

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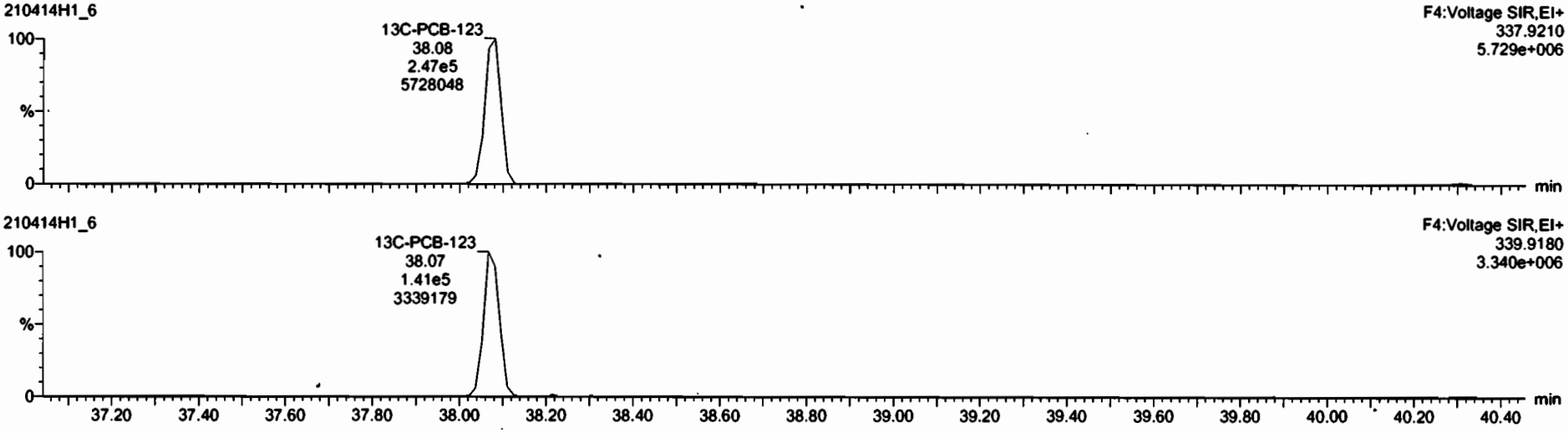
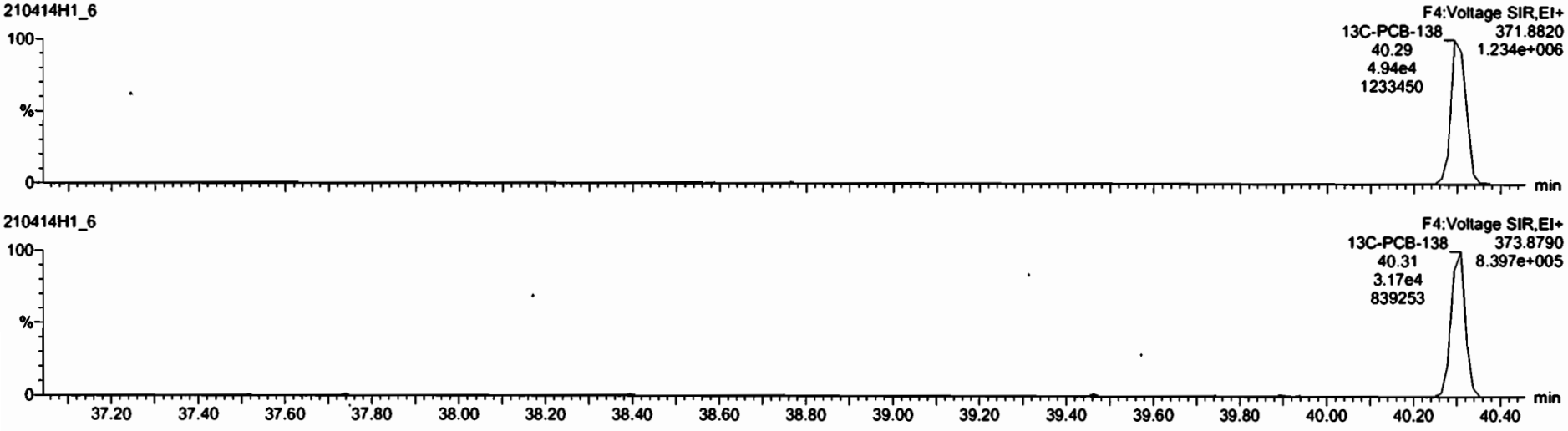


13C-PCB-138



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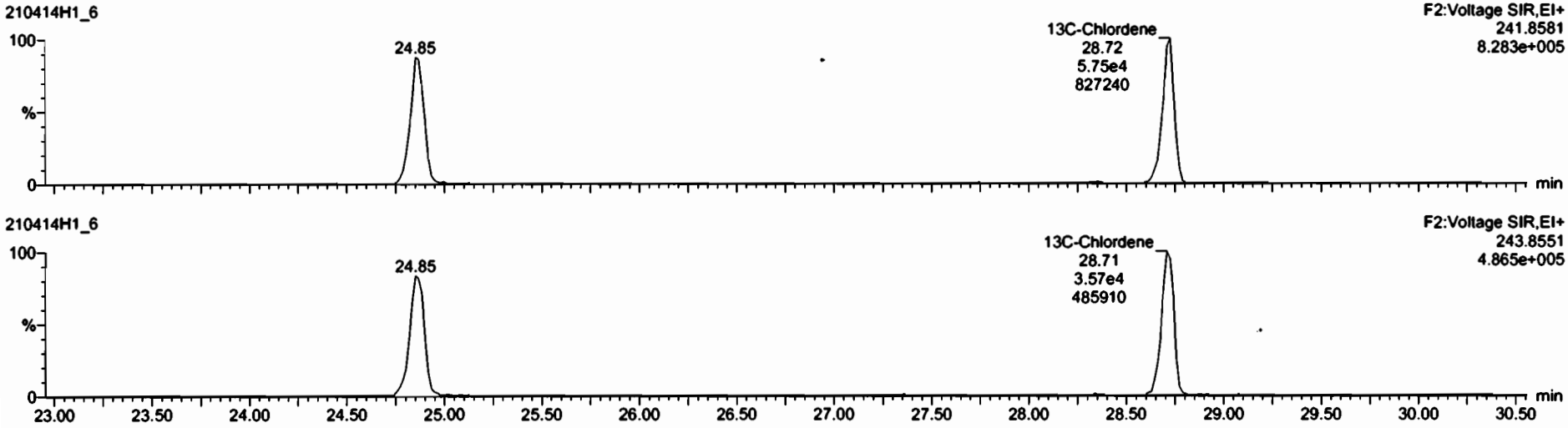
13C-Chlordene



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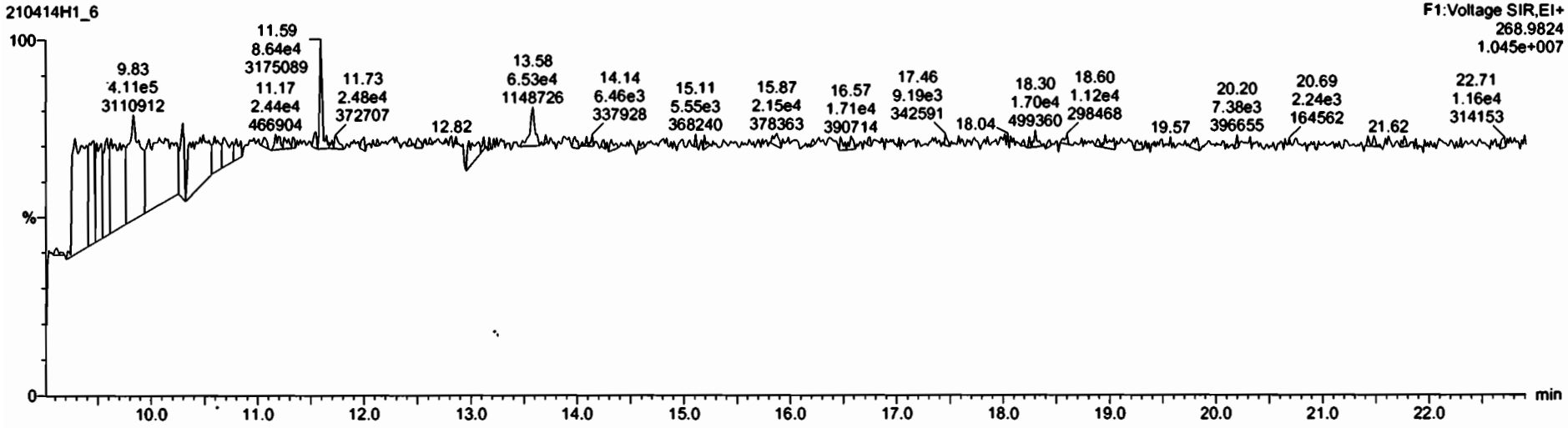

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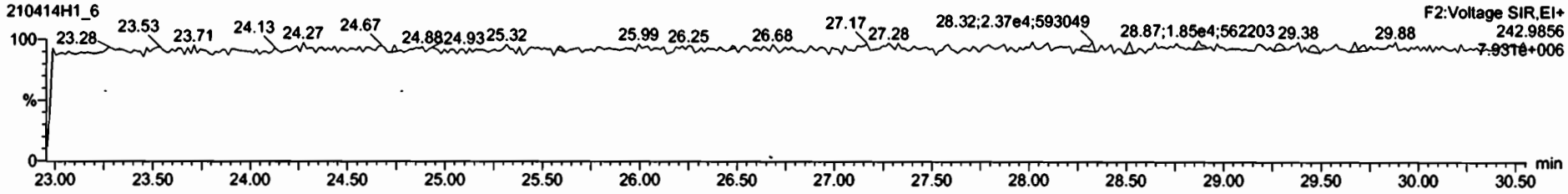
PFK2



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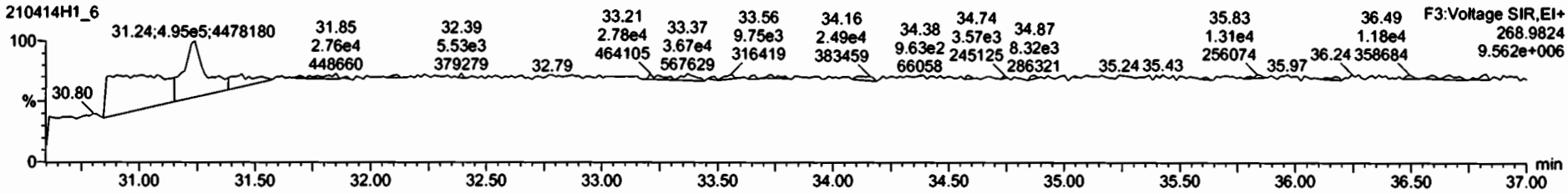

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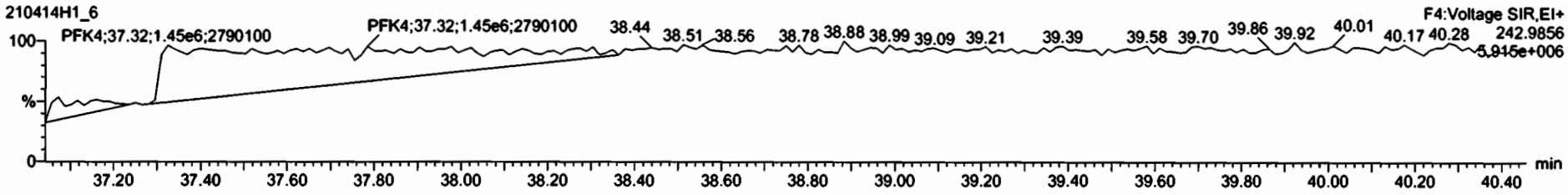

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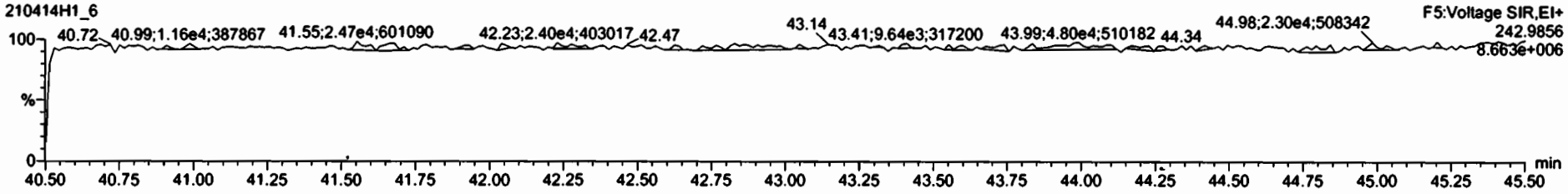

Vista Analytical Laboratory

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Printed: Monday, April 19, 2021 15:25:31 Pacific Daylight Time

oc 04/28/21
04/19/21
DF 04/19/21
*E SEE DIL
C 05/03/2021

Method: Untitled 12 Apr 2021 14:28:49
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Name: 210415H1_15, Date: 15-Apr-2021, Time: 20:55:46, ID: 2103216-02RE1 USMPDI-058RAB-10-20-210317 1.37, Description: USMPDI-058RAB-10-20-210317, Task: ST210415H1_1

	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	4 Lindane (gamma-...	2.13e3	2.83e5	2.33	NO	0.860	1.150	26.62	1.001	1.000	NO	7.6155		2.03	7.62
2	9 Aldrin	1.53e4	6.75e4	1.48	NO	1.09	1.150	30.84	1.001	1.001	NO	179.94		4.90	180
3	10 Oxychlordane		4.59e4		NO	1.06	1.150			1.001	YES			6.30	
4	13 trans-Chlordane (g...	1.05e4	3.56e4	1.64	NO	1.14	1.150	35.08	1.001	1.001	NO	226.49		7.66	226
5	14 trans-Nonachlor	3.06e3	3.58e4	1.24	NO	1.06	1.150	35.27	1.001	1.000	NO	70.077		7.26	70.1
6	15 cis-Chlordane	9.55e3	3.58e4	1.62	NO	1.16	1.150	35.75	1.014	1.015	NO	198.90		6.60	199
7	18 2,4'-DDE	3.79e5	1.00e6	1.55	NO	1.02	1.150	35.72	1.000	1.000	NO	320.27		1.13	320
8	19 4,4'-DDE	1.32e6	6.18e5	1.57	NO	1.04	1.150	36.78	1.000	1.000	NO	1784.0		1.73	1780
9	20 Dieldrin	1.73e4	7.36e4	1.46	NO	1.03	1.150	37.31	1.001	1.001	NO	198.53		8.02	199
10	22 cis-Nonachlor		3.08e4		NO	1.00	1.150			1.000	YES			16.1	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_15.qld

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Name: 210415H1_15, Date: 15-Apr-2021, Time: 20:55:46, ID: 2103216-02RE1 USMPDI-058RAB-10-20-210317 1.37, Description: USMPDI-058RAB-10-20-210317, Task: ST210415H1_1

	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	24 2,4'-DDD	7.05e6	7.01e5	1.59	NO	1.07	1.150	37.90	1.000	1.000	NO	8196.4 * E		3.36	8200
2	25 2,4'-DDT	2.12e5	2.73e5	1.55	NO	1.05	1.150	39.03	1.000	1.000	NO	645.68		8.67	646
3	26 4,4'-DDD	1.23e7	4.27e5	1.58	NO	1.16	1.150	39.15	1.000	1.000	NO	21552 * E		4.72	21600
4	27 4,4'-DDT	8.98e5	1.67e5	1.57	NO	1.13	1.150	40.22	1.000	1.001	NO	4116.9		12.1	4120
5	36 13C6-Lindane (ga...	2.83e5	1.84e6	0.79	NO	0.194	1.150	26.59	1.019	1.019	NO	689.73	79.3	2.71	
6	40 13C12-Aldrin	6.75e4	1.84e6	1.53	NO	0.154	1.150	30.82	1.181	1.181	NO	207.26	23.8	2.81	
7	41 13C10-Oxychlorda...	4.59e4	1.84e6	1.53	NO	0.0404	1.150	33.37	1.279	1.280	NO	537.09	61.8	10.7	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_15.qld

Last Altered: Monday, April 19, 2021 15:24:50 Pacific Daylight Time
Printed: Monday, April 19, 2021 15:26:02 Pacific Daylight Time

Method: Untitled 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210415H1_15, Date: 15-Apr-2021, Time: 20:55:46, ID: 2103216-02RE1 USMPDI-058RAB-10-20-210317 1.37, Description: USMPDI-058RAB-10-20-210317, Task: ST210415H1_1

	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	43 13C10-trans-Chlor...	3.56e4	1.84e6	1.46	NO	0.0358	1.150	35.05	1.343	1.344	NO	469.53	54.0	12.1	
2	44 13C10-trans-Nona...	3.58e4	6.78e5	1.61	NO	0.0638	1.150	35.24	0.983	0.983	NO	720.69	82.9	10.4	
3	46 13C12-2,4'-DDE	1.00e6	6.78e5	1.56	NO	1.43	1.150	35.70	0.996	0.995	NO	898.59	103	1.90	
4	47 13C12-4,4'-DDE	6.18e5	6.78e5	1.61	NO	0.995	1.150	36.77	1.025	1.026	NO	796.80	91.7	2.74	
5	48 13C12-Dieldrin	7.36e4	6.78e5	1.43	NO	0.146	1.150	37.28	1.040	1.040	NO	645.53	74.3	11.1	
6	50 13C10-cis-Nonach...	3.08e4	6.78e5	1.49	NO	0.0791	1.150	38.94	1.086	1.087	NO	498.68	57.4	20.5	
7	52 13C12-2,4'-DDD	7.01e5	6.78e5	1.52	NO	1.35	1.150	37.89	1.056	1.057	NO	664.86	76.5 *	4.77	
8	53 13C12-2,4'-DDT	2.73e5	6.78e5	1.65	NO	0.962	1.150	39.02	1.088	1.089	NO	363.88	41.9	6.71	
9	54 13C12-4,4'-DDD	4.27e5	6.78e5	1.59	NO	1.12	1.150	39.14	1.091	1.092	NO	487.09	56.0 *	5.74	
10	55 13C12-4,4'-DDT	1.67e5	6.78e5	1.68	NO	0.735	1.150	40.20	1.121	1.122	NO	292.36	33.6	8.78	
11	62 13C-PCB-15	1.84e6	1.84e6	1.58	NO	1.00	1.150	26.09	1.000	1.000	NO	869.37	100	0.706	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_15.qld

Last Altered: Monday, April 19, 2021 15:24:50 Pacific Daylight Time
Printed: Monday, April 19, 2021 15:26:28 Pacific Daylight Time

Method: Untitled 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210415H1_15, Date: 15-Apr-2021, Time: 20:55:46, ID: 2103216-02RE1 USMPDI-058RAB-10-20-210317 1.37, Description: USMPDI-058RAB-10-20-210317, Task: ST210415H1_1

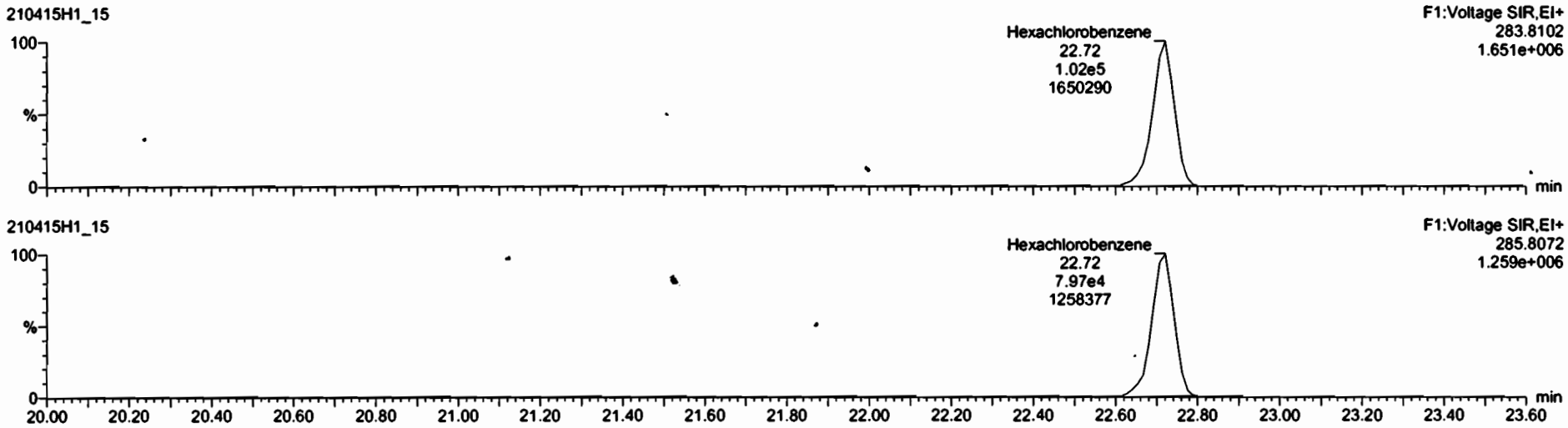
	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	63	13C-PCB-60	6.78e5	6.78e5	0.83	NO	1.00	1.150	35.86	1.000	1.000	NO	869.37	100	0.962	

Dataset: Untitled

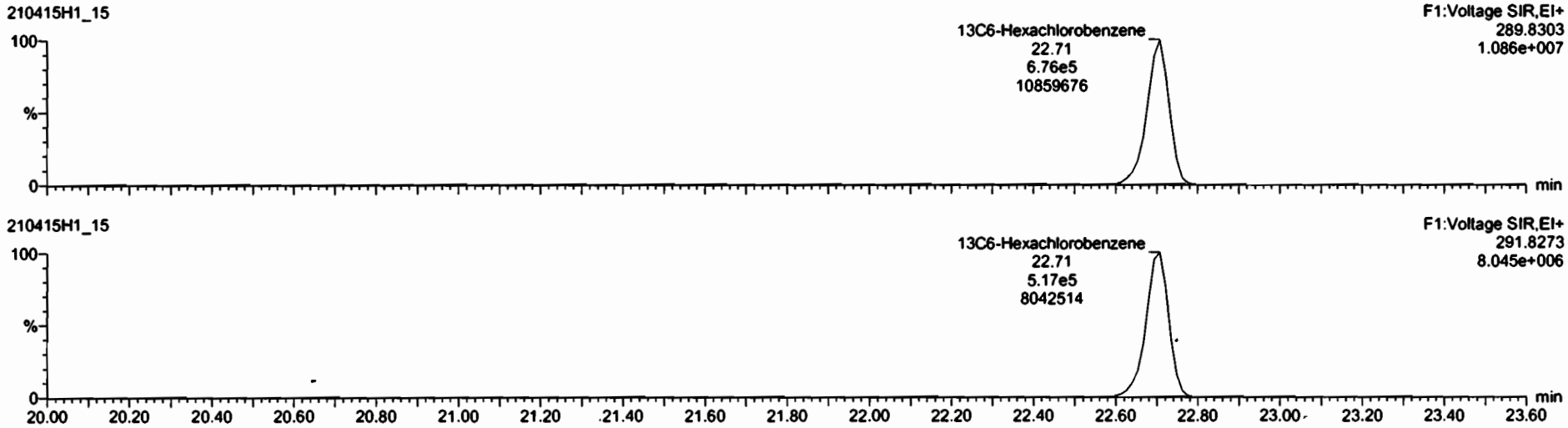
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_15, Date: 15-Apr-2021, Time: 20:55:46, ID: 2103216-02RE1 USMPDI-058RAB-10-20-210317 1.37, Description: USMPDI-058RAB-10-20-210317

Hexachlorobenzene



13C6-Hexachlorobenzene



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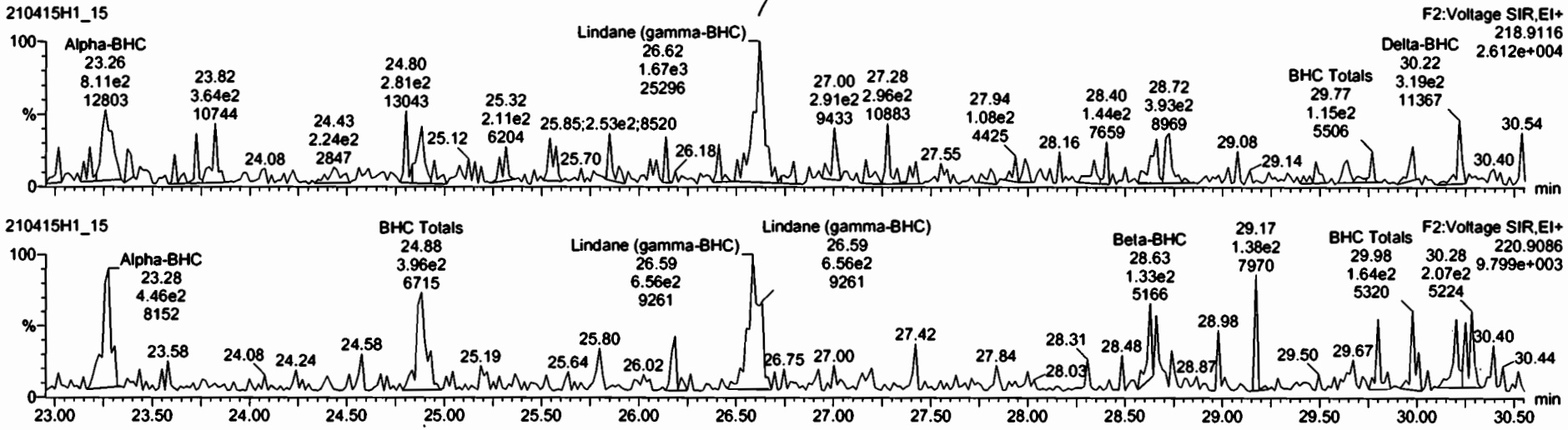
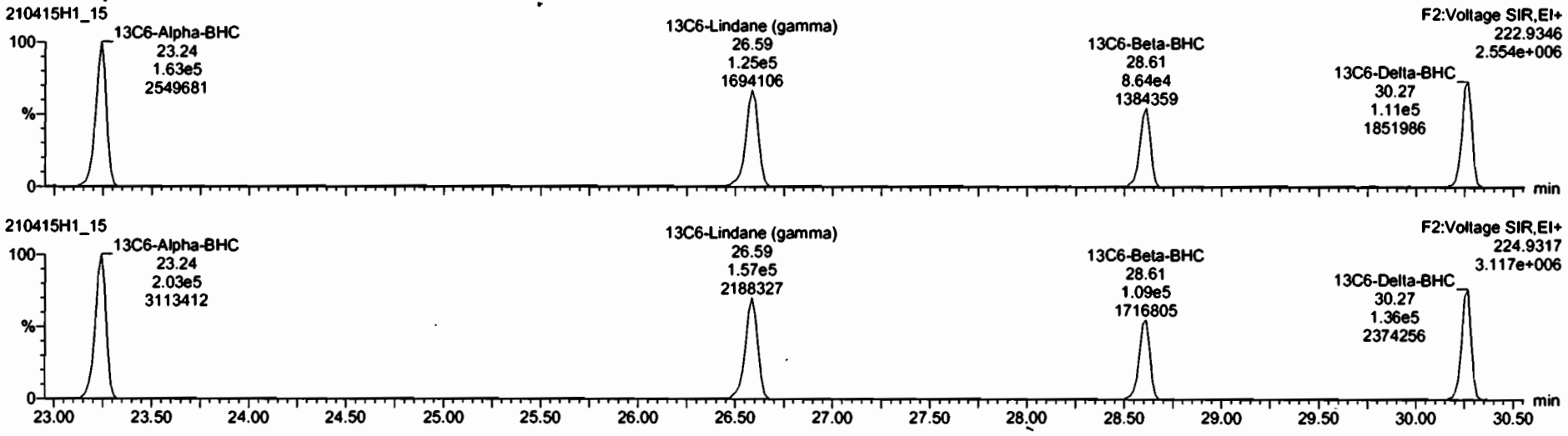
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

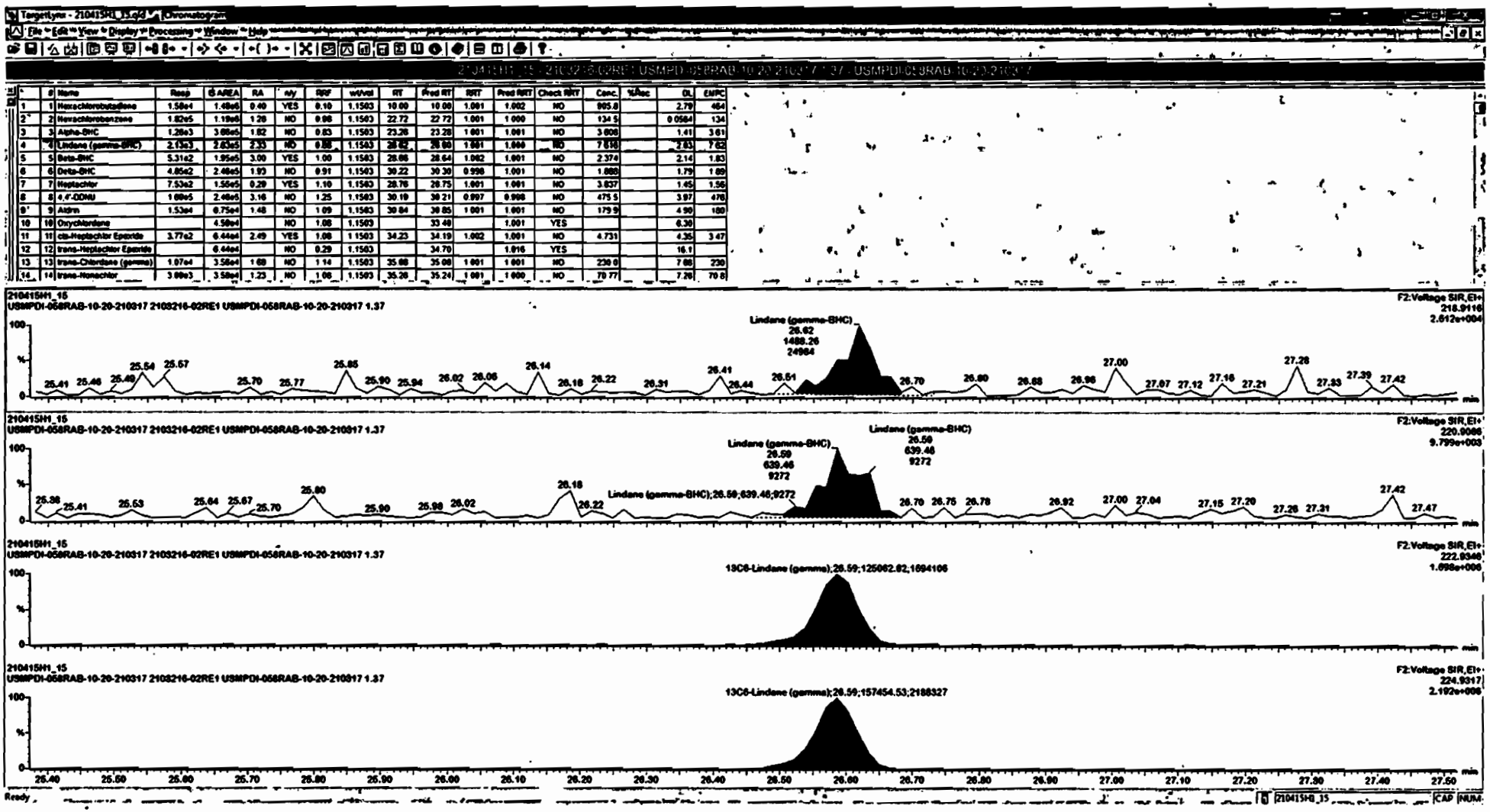
Name: 210415H1_15, Date: 15-Apr-2021, Time: 20:55:46, ID: 2103216-02RE1 USMPDI-058RAB-10-20-210317 1.37, Description: USMPDI-058RAB-10-20-210317

BHC Totals



BHC-isotopes



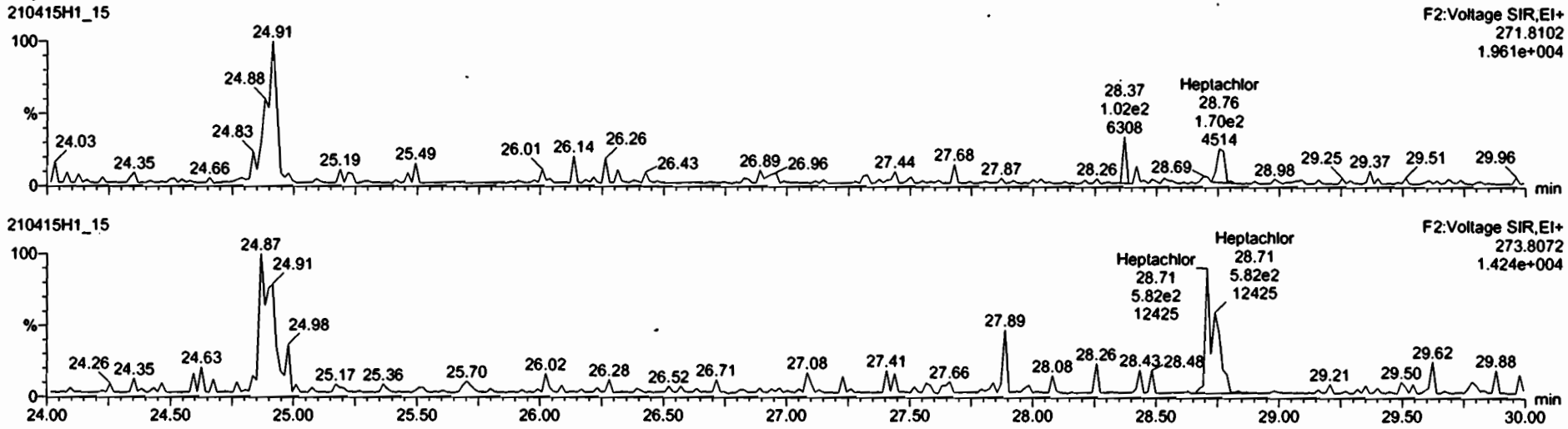

Lindane (gamma-BHC)
26.62
1488.26
24984
Lindane (gamma-BHC)
26.59
639.46
9272
Lindane (gamma-BHC)
26.59
639.46
9272
Lindane (gamma-BHC);26.59;639.46;9272
13C6-Lindane (gamma);26.59;125062.62;1694106
13C6-Lindane (gamma);26.59;157454.53;2188327

Dataset: Untitled

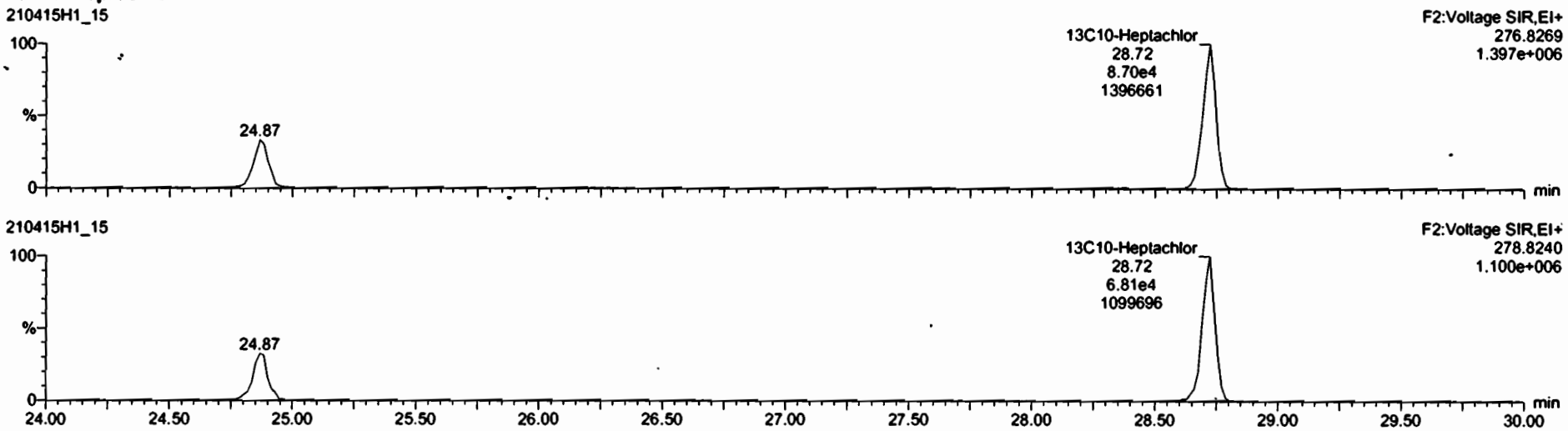
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_15, Date: 15-Apr-2021, Time: 20:55:46, ID: 2103216-02RE1 USMPDI-058RAB-10-20-210317 1.37, Description: USMPDI-058RAB-10-20-210317

Heptachlor



13C10-Heptachlor



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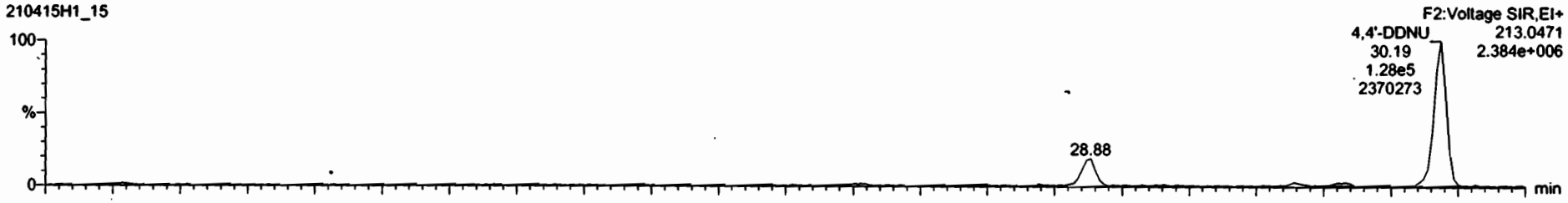
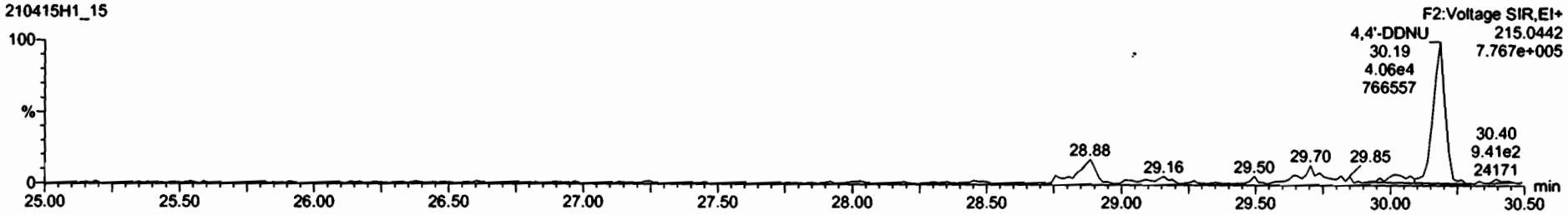
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

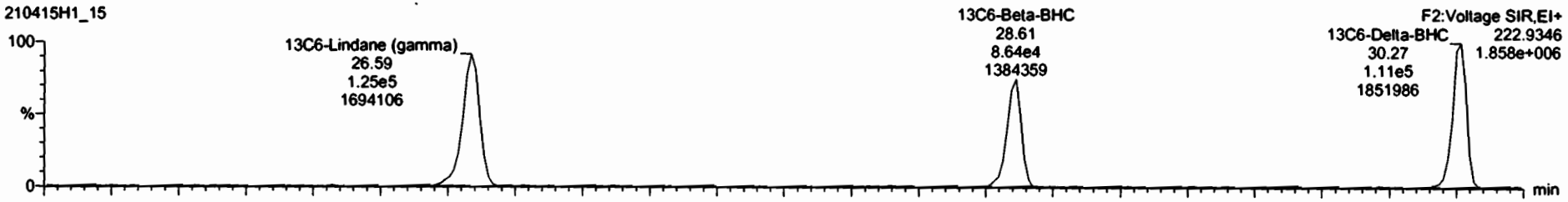
Name: 210415H1_15, Date: 15-Apr-2021, Time: 20:55:46, ID: 2103216-02RE1 USMPDI-058RAB-10-20-210317 1.37, Description: USMPDI-058RAB-10-20-210317

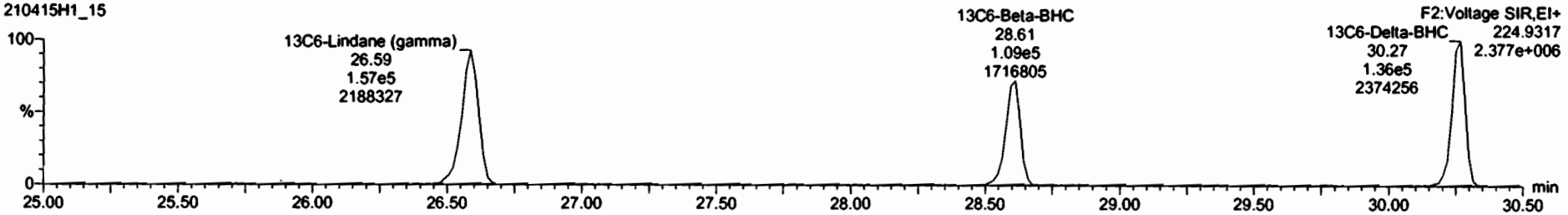
4,4'-DDNU





13C6-Delta-BHC



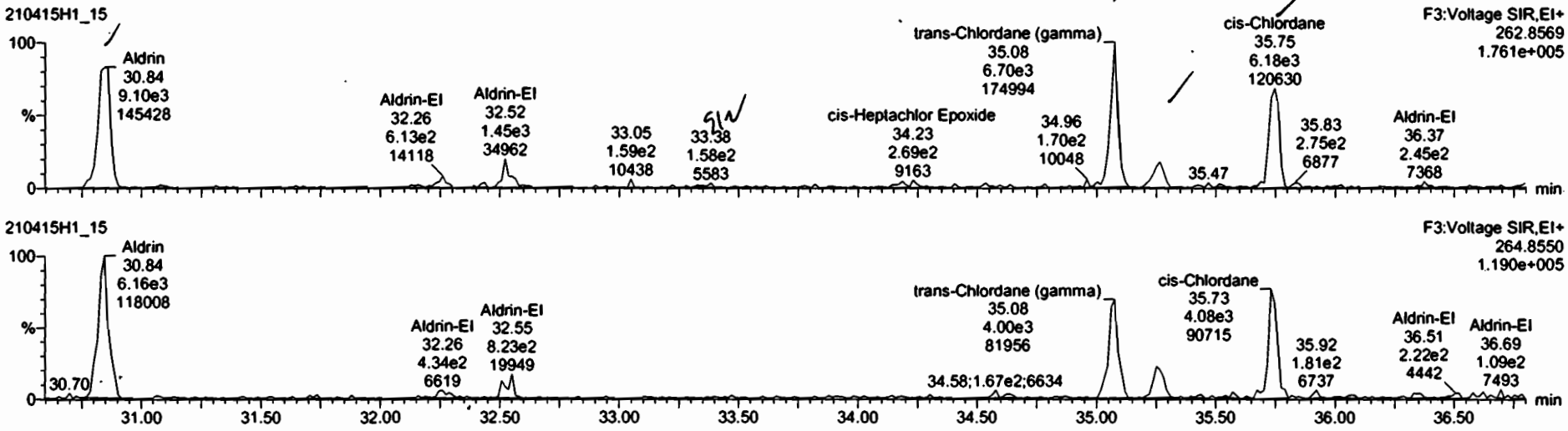


Dataset: Untitled

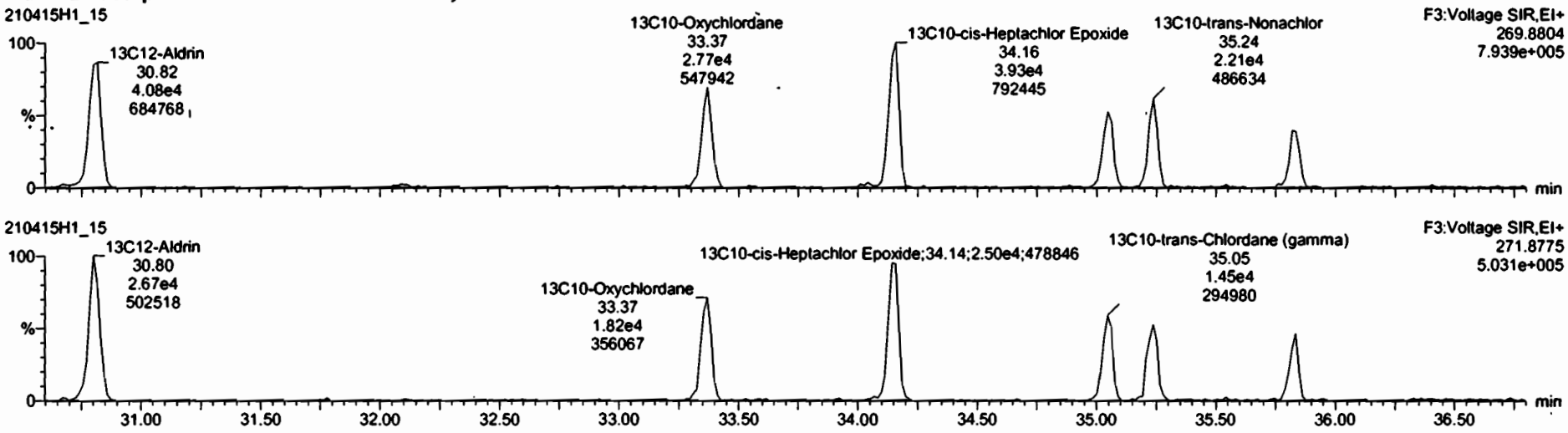
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_15, Date: 15-Apr-2021, Time: 20:55:46, ID: 2103216-02RE1 USMPDI-058RAB-10-20-210317 1.37, Description: USMPDI-058RAB-10-20-210317

Aldrin-EI



Aldrin-EI-isotopes

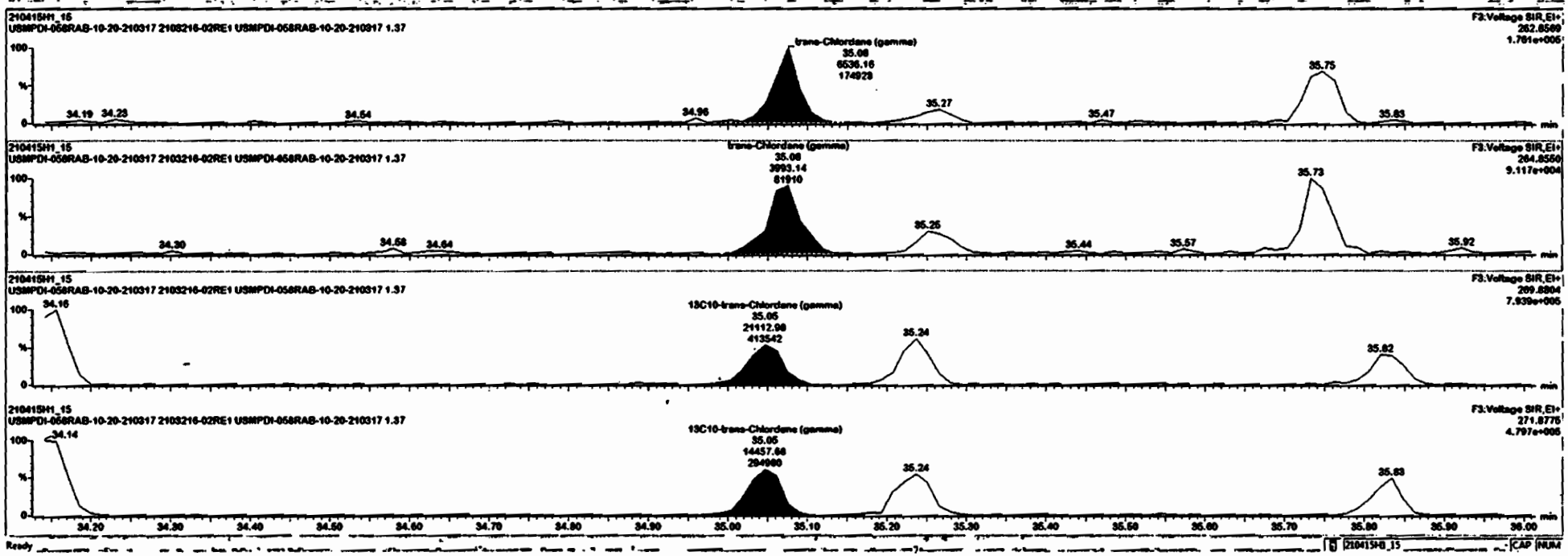


TargetLynx - 210415H1_15.qld * - [Chromatogram]

File Edit View Display Processing Window Help

210415H1_15 - 2103216-02RE1 USMPDI-058RAB-10-20-210317 1.37 - USMPDI-058RAB-10-20-210317

	#	Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
1	1	Hexachlorobutadiene	1.58e4	1.48e6	0.40	YES	0.10	1.1503	10.00	10.00	1.001	1.002	NO	905.8		2.79	464
2	2	Hexachlorobenzene	1.82e5	1.19e6	1.28	NO	0.98	1.1503	22.72	22.72	1.001	1.000	NO	134.5		0.0564	134
3	3	Alpha-BHC	1.26e3	3.68e5	1.82	NO	0.83	1.1503	23.26	23.26	1.001	1.001	NO	3.608		1.41	3.61
4	4	Lindane (gamma-BHC)	2.13e3	2.83e5	2.33	NO	0.86	1.1503	26.62	26.60	1.001	1.000	NO	7.616		2.03	7.62
5	5	Beta-BHC	5.31e2	1.95e5	3.00	YES	1.00	1.1503	28.66	28.64	1.002	1.001	NO	2.374		2.14	1.83
6	6	Delta-BHC	4.85e2	2.46e5	1.93	NO	0.91	1.1503	30.22	30.30	0.998	1.001	NO	1.888		1.79	1.89
7	7	Heptachlor	7.53e2	1.55e5	0.29	YES	1.10	1.1503	28.76	28.75	1.001	1.001	NO	3.637		1.45	1.56
8	8	4,4'-DDNU	1.60e5	2.46e5	3.16	NO	1.25	1.1503	30.19	30.21	0.997	0.998	NO	475.5		3.97	476
9	9	Aldrin	1.53e4	6.75e4	1.48	NO	1.09	1.1503	30.84	30.85	1.001	1.001	NO	179.9		4.90	180
10	10	Oxychlordane		4.59e4		NO	1.08	1.1503		33.40		1.001	YES			6.30	
11	11	cis-Heptachlor Epoxide	3.77e2	6.44e4	2.49	YES	1.08	1.1503	34.23	34.19	1.002	1.001	NO	4.731		4.35	3.47
12	12	trans-Heptachlor Epoxide		6.44e4		NO	0.29	1.1503		34.70		1.016	YES			16.1	
13	13	trans-Chlordane (gamma)	1.05e4	3.58e4	1.64	NO	1.14	1.1503	35.08	35.08	1.001	1.001	NO	226.5		7.68	226
14	14	trans-Nonachlor	3.00e3	3.58e4	1.23	NO	1.08	1.1503	35.26	35.24	1.001	1.000	NO	70.77		7.26	70.8



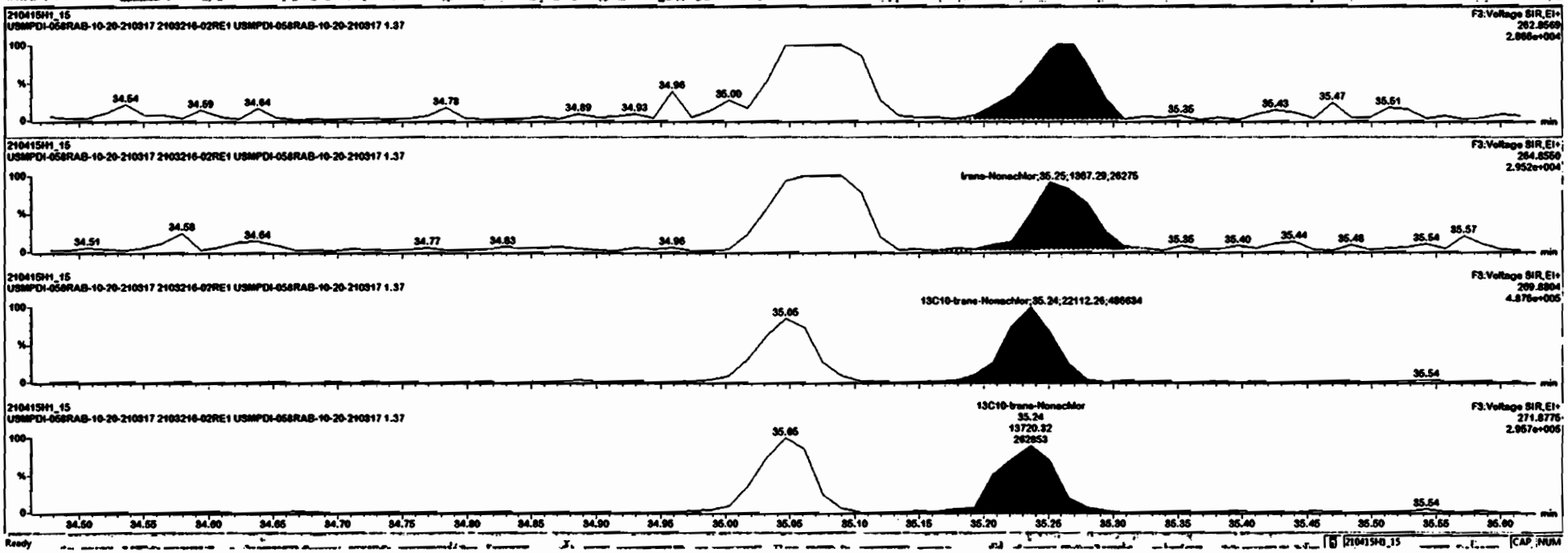
Ready 210415H1_15 CAP NUM

TargetLynx - 210415H1_15.qld - Chromatogram

File Edit View Display Processing Window Help

210415H1_15 - 2103216-02RE1 USMPDI-058RAB-10-20-210317 1.37 - USMPDI-058RAB-10-20-210317

	#	Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
2	2	Hexachlorobenzene	1.82e5	1.19e6	1.28	NO	0.98	1.1503	22.72	22.72	1.001	1.000	NO	134.5		0.0564	134
3	3	Alpha-BHC	1.26e3	3.66e5	1.82	NO	0.83	1.1503	23.26	23.28	1.001	1.001	NO	3.608		1.41	3.61
4	4	Lindane (gamma-BHC)	2.13e3	2.83e5	2.33	NO	0.88	1.1503	26.62	26.60	1.001	1.000	NO	7.616		2.03	7.62
5	5	Beta-BHC	5.31e2	1.95e5	3.00	YES	1.00	1.1503	28.66	28.64	1.002	1.001	NO	2.374		2.14	1.83
6	6	Delta-BHC	4.85e2	2.46e5	1.93	NO	0.91	1.1503	30.22	30.30	0.998	1.001	NO	1.888		1.79	1.89
7	7	Heptachlor	7.53e2	1.55e5	0.29	YES	1.10	1.1503	28.76	28.75	1.001	1.001	NO	3.837		1.45	1.58
8	8	4,4'-DDNU	1.69e5	2.46e5	3.16	NO	1.25	1.1503	30.19	30.21	0.997	0.998	NO	475.5		3.97	476
9	9	Aldrin	1.53e4	6.75e4	1.48	NO	1.09	1.1503	30.84	30.85	1.001	1.001	NO	179.9		4.90	180
10	10	Oxychlordane		4.59e4		NO	1.06	1.1503		33.40		1.001	YES			6.30	
11	11	cis-Heptachlor Epoxide	3.77e2	6.44e4	2.49	YES	1.08	1.1503	34.23	34.19	1.002	1.001	NO	4.731		4.35	3.47
12	12	trans-Heptachlor Epoxide		6.44e4		NO	0.29	1.1503		34.70		1.016	YES			16.1	
13	13	trans-Chlordane (gamma)	1.05e4	3.56e4	1.64	NO	1.14	1.1503	35.08	35.08	1.001	1.001	NO	226.5		7.66	226
14	14	trans-Nonachlor	3.66e3	3.56e4	1.24	NO	1.08	1.1503	35.27	35.24	1.001	1.000	NO	70.08		7.28	70.1
15	15	cis-Chlordane	1.03e4	3.58e4	1.52	NO	1.16	1.1503	35.75	35.79	1.015	1.016	NO	213.7		6.60	214

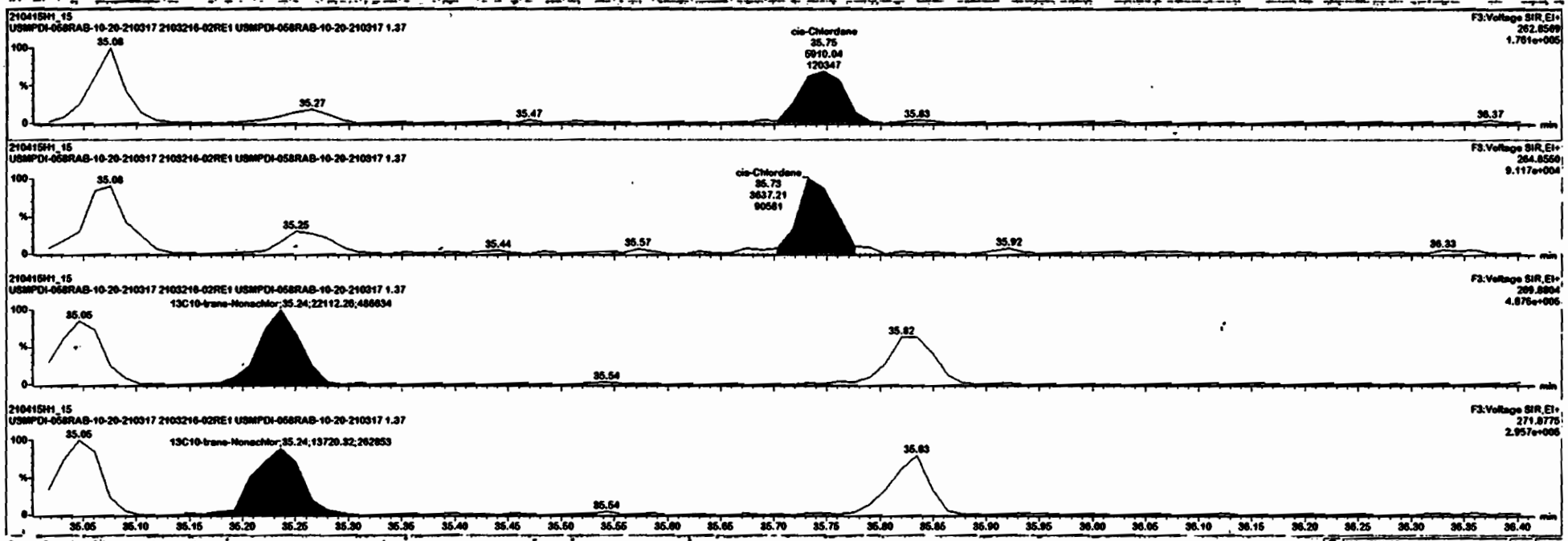


TargetLynx - 210415H1_15.qld - Chromatogram

File Edit View Display Processing Window Help

210415H1_15 - 2103216-02RE1 USMPDI-058RAB-10-20-210317 1.37 USMPDI-058RAB-10-20-210317

	#	Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
14	14	trans-Nonachlor	3.06e3	3.58e4	1.24	NO	1.08	1.1503	35.27	35.24	1.001	1.000	NO				
15	15	cis-Chlordane	9.55e3	3.58e4	1.62	NO	1.16	1.1503	35.75	35.77	1.014	1.015	NO				
16	16	Endosulfan I (alpha)	-	2.58e4		NO	1.23	1.1503		35.85		1.001	YES				
17	17	4,4'-DDMU	1.36e6	1.00e6	3.18	NO		1.1503	35.50	35.49	0.994	0.994	NO				
18	18	2,4'-DDE	3.79e5	1.00e6	1.55	NO	1.02	1.1503	35.72	35.70	1.000	1.000	NO				
19	19	4,4'-DDE	1.32e6	6.18e5	1.57	NO	1.04	1.1503	36.78	36.77	1.000	1.000	NO				
20	20	Dieldrin	1.83e4	7.36e4	1.40	NO	1.03	1.1503	37.31	37.32	1.001	1.001	NO				
21	21	Endrin	4.18e2	5.01e4	0.80	YES	1.01	1.1503	38.72	38.70	1.002	1.001	NO				
22	22	cis-Nonachlor	1.89e3	3.00e4	1.73	NO	1.00	1.1503	38.97	38.94	1.001	1.000	NO				
23	23	Endosulfan II (beta)	3.71e2	1.12e4	2.17	YES	1.07	1.1503	39.69	39.67	1.000	1.000	NO				
24	24	2,4'-DDD	7.05e6	7.01e5	1.59	NO	1.07	1.1503	37.90	37.89	1.000	1.000	NO				
25	25	2,4'-DDT	2.08e5	2.73e5	1.57	NO	1.05	1.1503	39.03	39.02	1.000	1.000	NO				
26	26	4,4'-DDD	1.23e7	4.27e5	1.58	NO	1.16	1.1503	39.15	39.14	1.000	1.000	NO				
27	27	4,4'-DDT	8.98e5	1.67e5	1.57	NO	1.13	1.1503	40.22	40.24	1.000	1.001	NO				



Custom Reporting: Select reports to generate

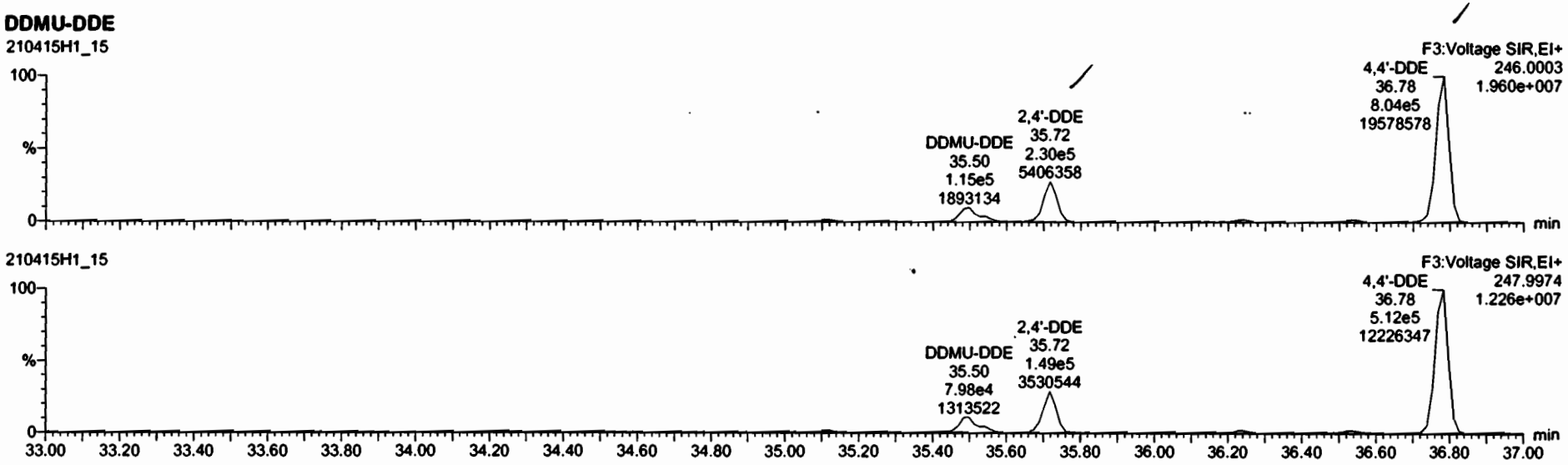
210415H1_15 CAP NUM

Dataset: Untitled

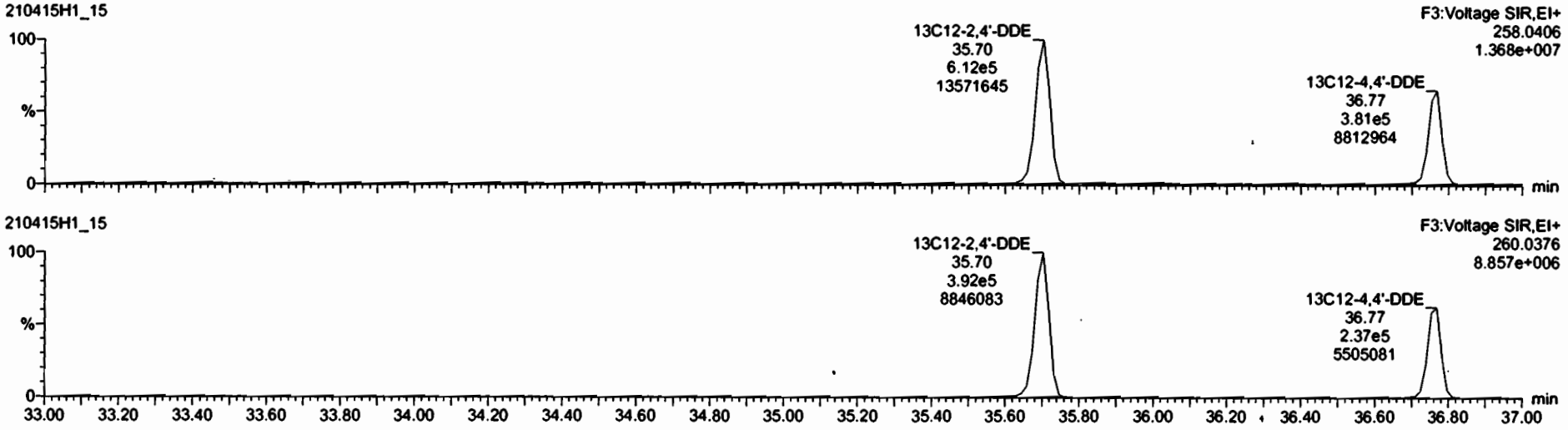
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_15, Date: 15-Apr-2021, Time: 20:55:46, ID: 2103216-02RE1 USMPDI-058RAB-10-20-210317 1.37, Description: USMPDI-058RAB-10-20-210317

DDMU-DDE



DDE-isotopes



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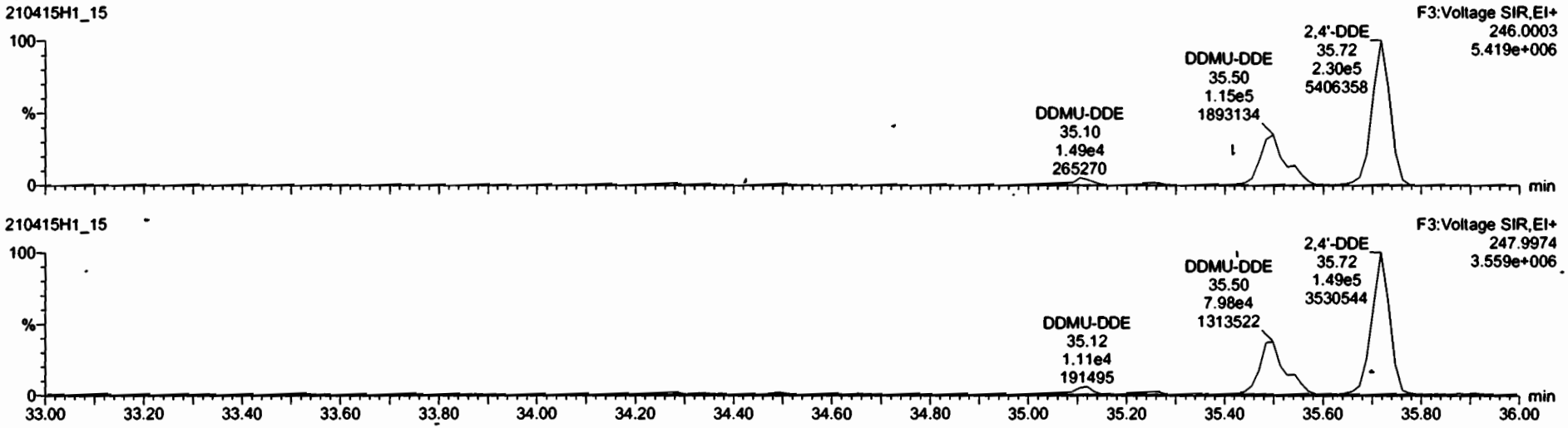
Name: 210415H1_15, Date: 15-Apr-2021, Time: 20:55:46, ID: 2103216-02RE1 USMPDI-058RAB-10-20-210317 1.37, Description: USMPDI-058RAB-10-20-210317

2,4'-DDE



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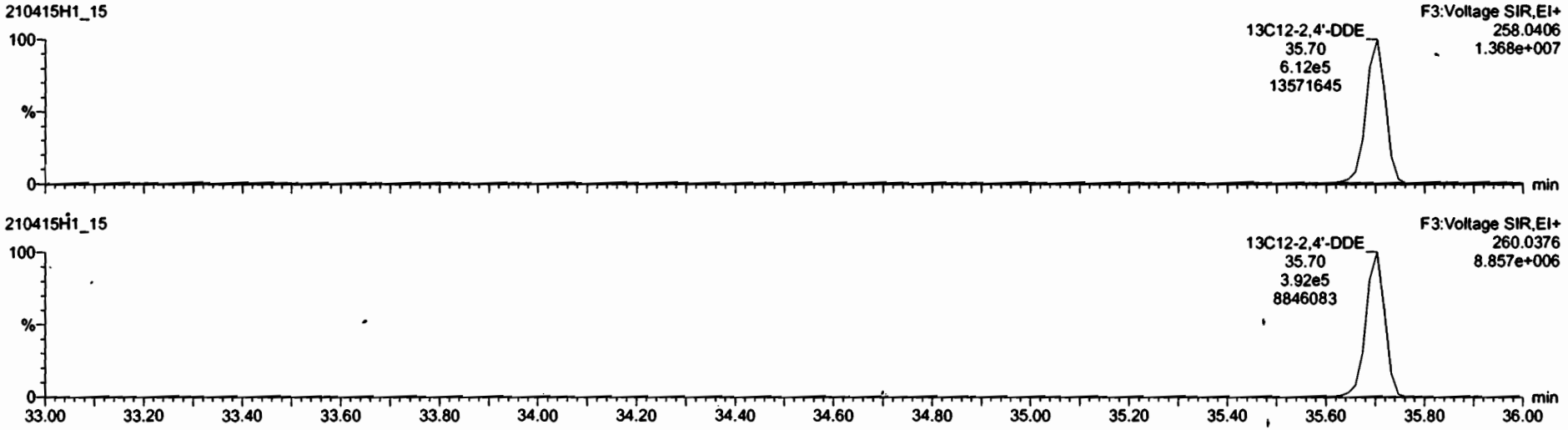

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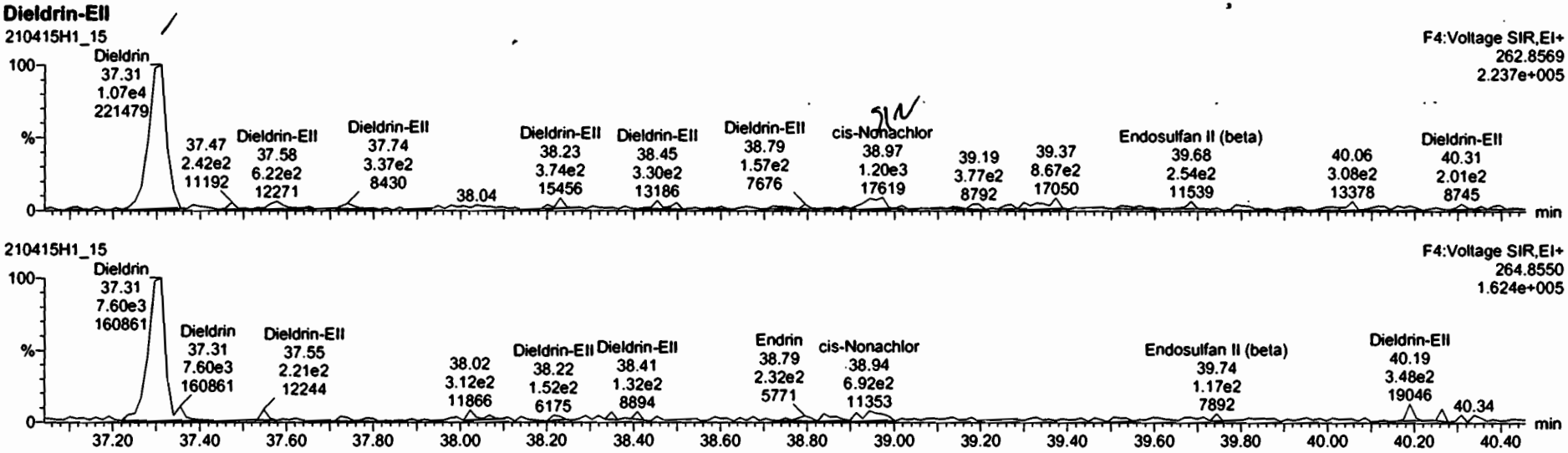
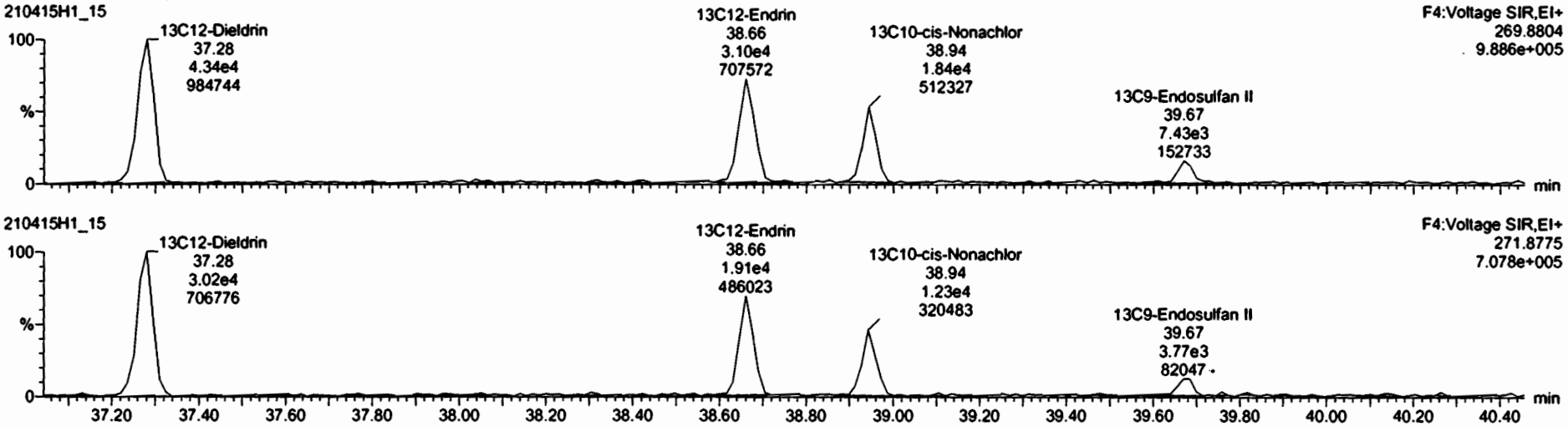
Name: 210415H1_15, Date: 15-Apr-2021, Time: 20:55:46, ID: 2103216-02RE1 USMPDI-058RAB-10-20-210317 1.37, Description: USMPDI-058RAB-10-20-210317

Dieldrin-EII



Dieldrin-EII-isotopes

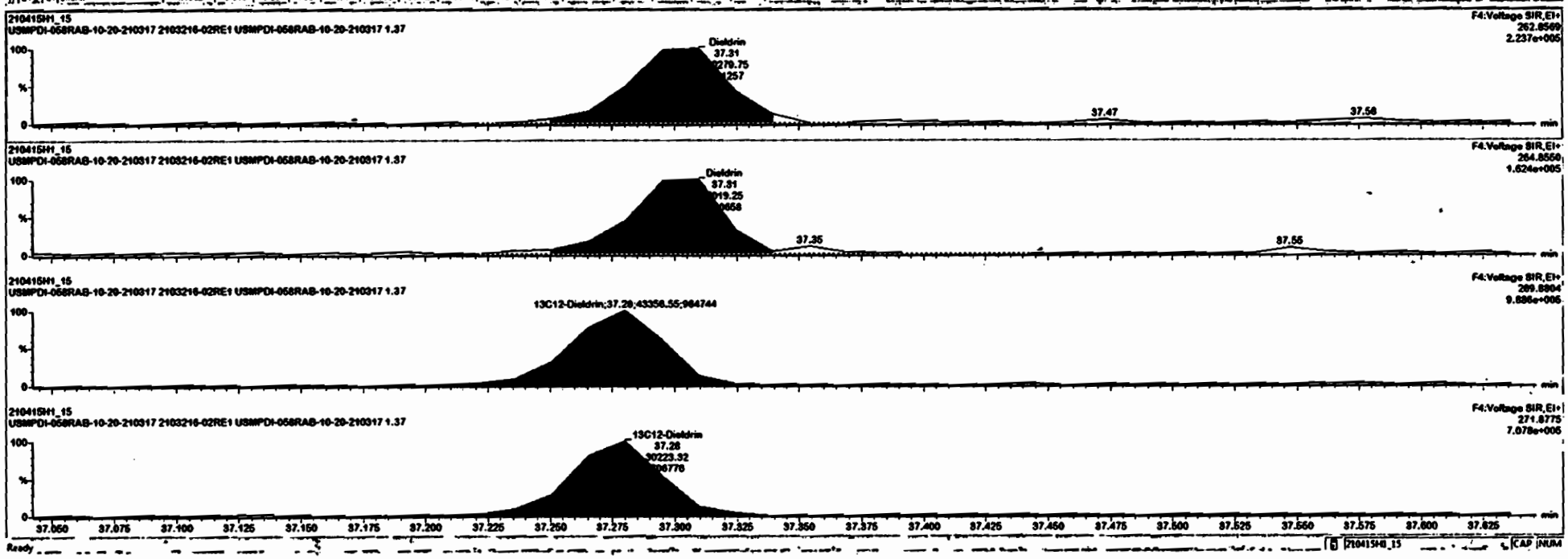


Targetlynx - 210415H1_15.qld - Chromatogram

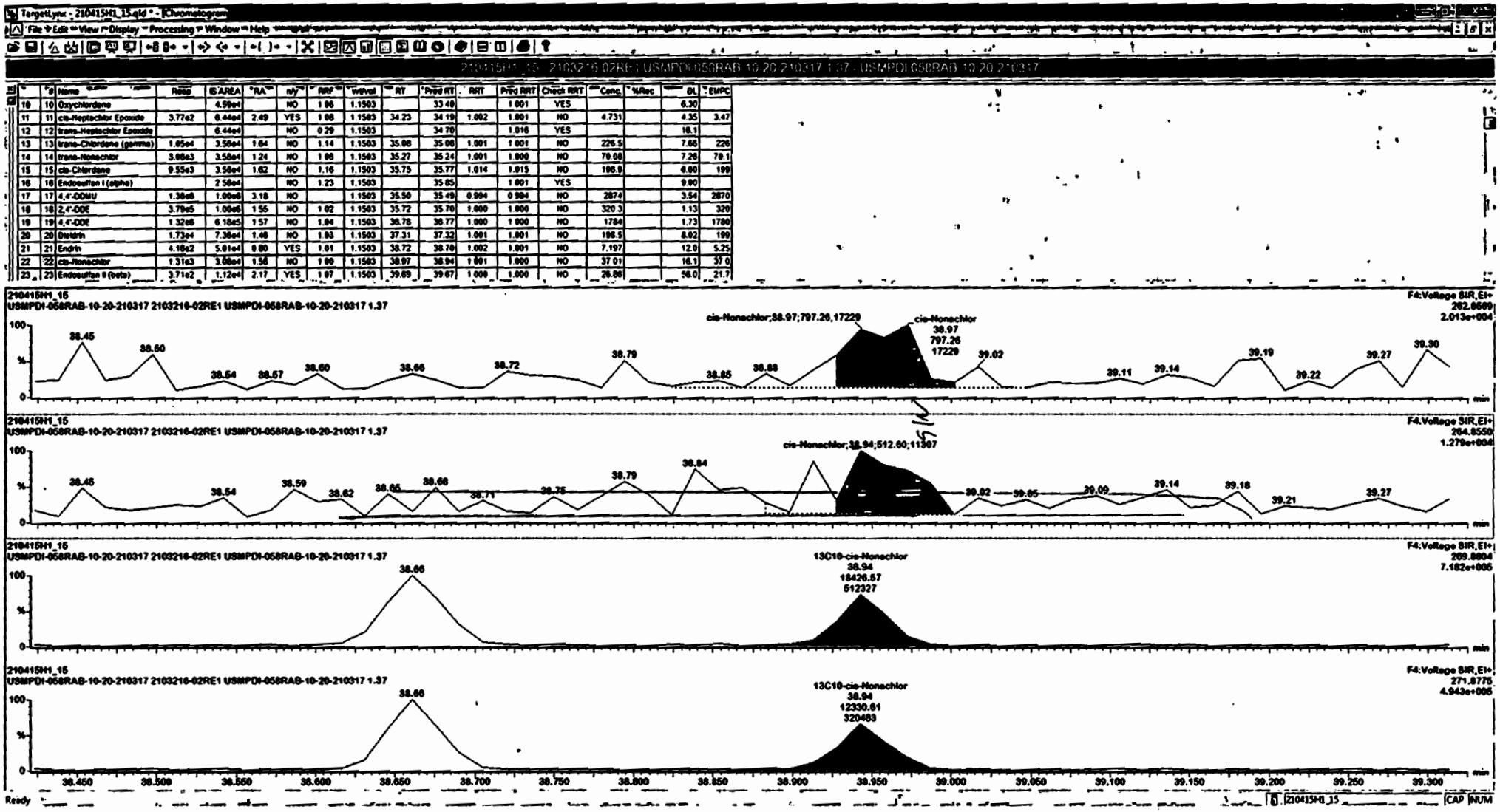
File Edit View Display Processing Window Help

210415H1_15 - 2103216-02RE1 USMPDI-058RAB-10-20-210317 1.37 - USMPDI-058RAB-10-20-210317

	#	Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred.RT	s RRT	Pred.RRT	Check RRT	Conc	%Rec	DL	EMPC
8	8	4,4'-DDMU	1.69e5	2.46e5	3.16	NO	1.25	1.1503	30.19	30.21	0.997	0.998	NO	475.5		3.97	476
9	9	Aldrin	1.53e4	6.75e4	1.48	NO	1.09	1.1503	30.84	30.85	1.001	1.001	NO	179.9		4.90	180
10	10	Oxychlordane		4.59e4		NO	1.08	1.1503		33.40		1.001	YES			6.30	
11	11	cis-Heptachlor Epoxide	3.77e2	6.44e4	2.49	YES	1.08	1.1503	34.23	34.19	1.002	1.001	NO	4.731		4.35	3.47
12	12	trans-Heptachlor Epoxide		6.44e4		NO	0.29	1.1503		34.70		1.016	YES			16.1	
13	13	trans-Chlordane (gamma)	1.05e4	3.58e4	1.64	NO	1.14	1.1503	35.08	35.08	1.001	1.001	NO	226.5		7.68	226
14	14	trans-Nonachlor	3.06e3	3.58e4	1.24	NO	1.08	1.1503	35.27	35.24	1.001	1.000	NO	70.08		7.28	70.1
15	15	cis-Chlordane	9.55e3	3.58e4	1.62	NO	1.16	1.1503	35.75	35.77	1.014	1.015	NO	198.9		6.60	199
16	16	Endosulfan I (alpha)		2.58e4		NO	1.23	1.1503		35.85		1.001	YES			9.90	
17	17	4,4'-DDMU	1.36e6	1.00e6	3.18	NO		1.1503	35.50	35.49	0.994	0.994	NO	2874		3.54	2870
18	18	2,4'-DDE	3.79e5	1.00e6	1.55	NO	1.02	1.1503	35.72	35.70	1.000	1.000	NO	320.3		1.13	320
19	19	4,4'-DDE	1.32e6	6.18e5	1.57	NO	1.04	1.1503	36.78	36.77	1.000	1.000	NO	1784		1.73	1780
20	20	Dieldrin	1.73e4	7.38e4	1.48	NO	1.03	1.1503	37.31	37.32	1.001	1.001	NO	198.5		8.02	198
21	21	Endrin	4.18e2	5.01e4	0.80	YES	1.01	1.1503	38.72	38.70	1.002	1.001	NO	7.197		12.0	5.25



Ready 210415H1_15 CAP NUM



		Name	Resp	S/AREA	%A	n/y	RRF	Retval	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
10	10	Oxychlordane		4.59e4		NO	1.06	1.1503		33.49		1.001	YES			6.30	
11	11	cis-Heptachlor Epoxide	3.77e2	6.44e4	2.49	YES	1.06	1.1503	34.23	34.19	1.002	1.001	NO	4.731		4.35	3.47
12	12	trans-Heptachlor Epoxide		6.44e4		NO	0.29	1.1503		34.70		1.016	YES			16.1	
13	13	trans-Chlordane (gamma)	1.65e4	3.58e4	1.64	NO	1.14	1.1503	35.08	35.08	1.001	1.001	NO	226.5		7.66	226
14	14	trans-Nonachlor	5.66e3	3.58e4	1.24	NO	1.06	1.1503	35.27	35.24	1.001	1.000	NO	70.08		7.26	70.1
15	15	cis-Chlordane	9.55e3	3.58e4	1.62	NO	1.16	1.1503	35.75	35.77	1.014	1.015	NO	106.9		6.66	199
16	16	Endosulfan I (alpha)		2.58e4		NO	1.23	1.1503		35.85		1.001	YES			9.90	
17	17	4,4'-DDMU	1.36e6	1.00e6	3.18	NO		1.1503	35.50	35.49	0.994	0.994	NO	2874		3.54	2870
18	18	2,4'-DDE	3.79e5	1.00e6	1.56	NO	1.02	1.1503	35.72	35.70	1.000	1.000	NO	320.3		1.13	320
19	19	4,4'-DDE	1.32e6	6.18e5	1.57	NO	1.04	1.1503	36.78	36.77	1.000	1.000	NO	1784		1.73	1780
20	20	Dieldrin	1.73e4	7.36e4	1.46	NO	1.03	1.1503	37.31	37.32	1.001	1.001	NO	196.5		8.02	199
21	21	Endrin	4.18e2	5.01e4	0.89	YES	1.01	1.1503	38.72	38.70	1.002	1.001	NO	7.197		12.0	5.25
22	22	cis-Nonachlor	1.31e3	3.08e4	1.56	NO	1.06	1.1503	38.97	38.94	1.001	1.000	NO	37.01		16.1	37.0
23	23	Endosulfan II (beta)	3.71e2	1.12e4	2.17	YES	1.07	1.1503	39.69	39.67	1.000	1.000	NO	26.86		56.0	21.7

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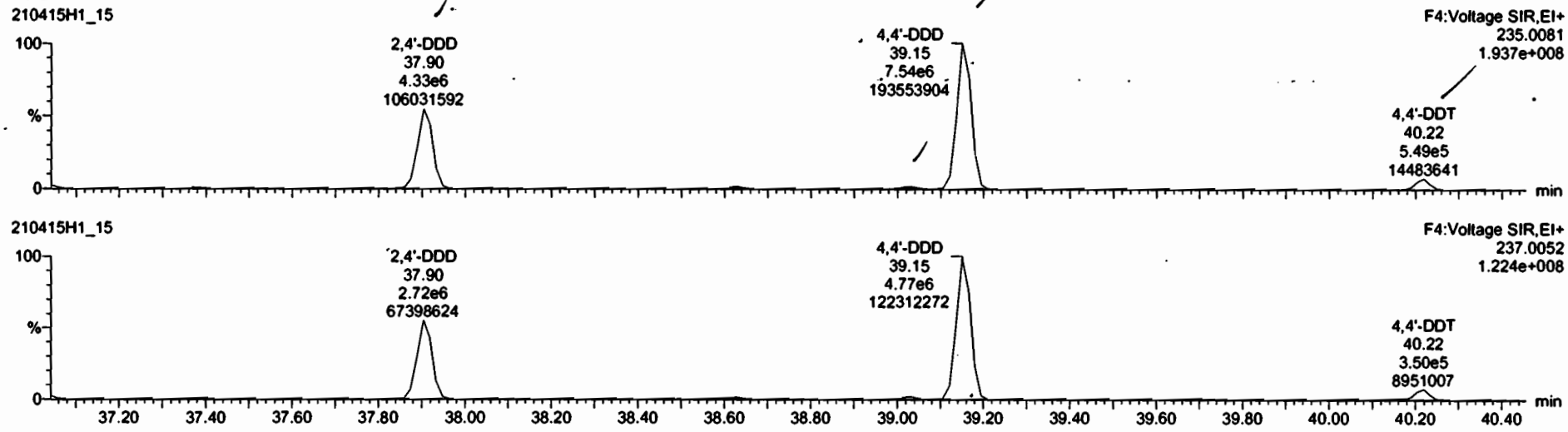
Name: 210415H1_15, Date: 15-Apr-2021, Time: 20:55:46, ID: 2103216-02RE1 USMPDI-058RAB-10-20-210317 1.37, Description: USMPDI-058RAB-10-20-210317

DDD-DDT



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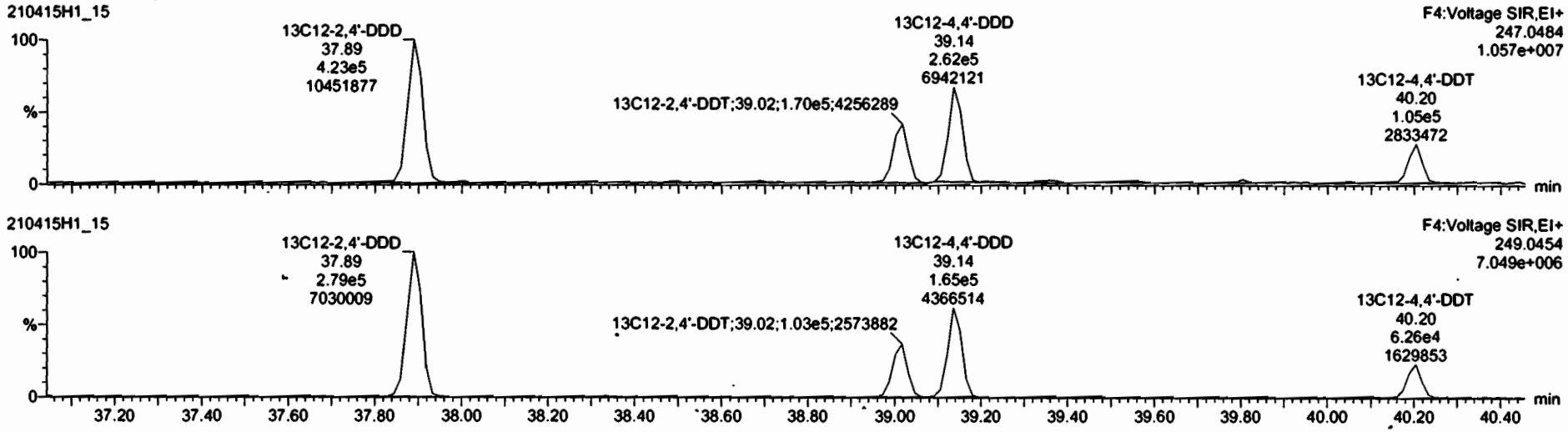

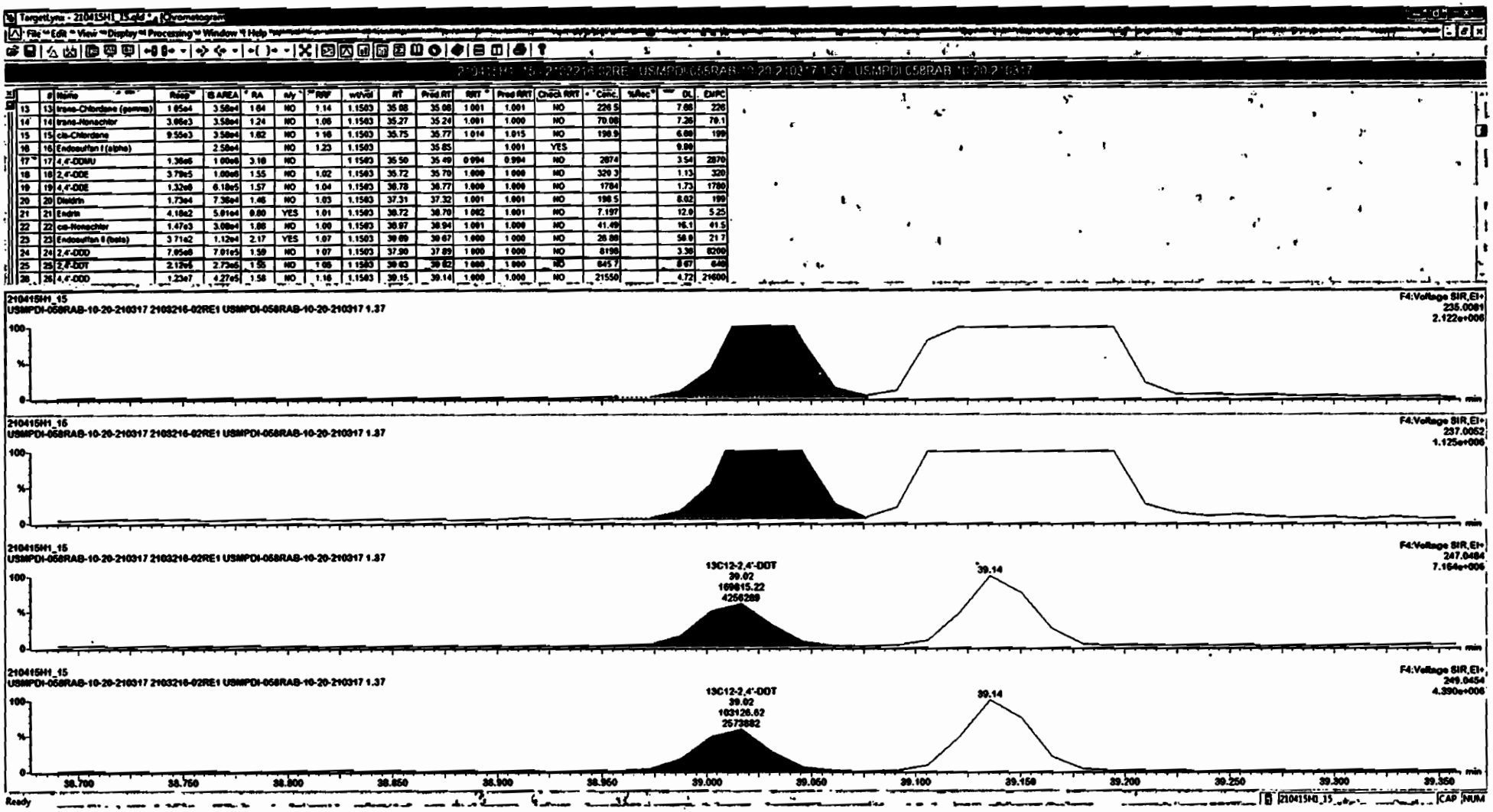

	#	Name	Resp	IS AREA	RA	Flag	RRF	w/v/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
13	13	trans-Chlordane (gamma)	1.05e4	3.58e4	1.64	NO	1.14	1.1503	35.08	35.08	1.001	1.001	NO	226.5		7.86	226
14	14	trans-Nonachlor	3.96e3	3.58e4	1.24	NO	1.06	1.1503	35.27	35.24	1.001	1.000	NO	70.08		7.26	70.1
15	15	cis-Chlordane	9.55e3	3.58e4	1.82	NO	1.16	1.1503	35.75	35.77	1.014	1.015	NO	198.9		6.88	199
16	16	Endosulfan I (alpha)		2.58e4		NO	1.23	1.1503		35.85		1.001	YES			9.86	
17	17	4,4'-DDMU	1.36e6	1.00e6	3.10	NO		1.1503	35.50	35.49	0.994	0.994	NO	2874		3.54	2870
18	18	2,4'-DDE	3.79e5	1.00e6	1.55	NO	1.02	1.1503	35.72	35.70	1.000	1.000	NO	320.3		1.13	320
19	19	4,4'-DDE	1.32e6	6.18e5	1.57	NO	1.04	1.1503	36.78	36.77	1.000	1.000	NO	1784		1.73	1780
20	20	Dieldrin	1.73e4	7.36e4	1.46	NO	1.03	1.1503	37.31	37.32	1.001	1.001	NO	198.5		6.02	199
21	21	Endrin	4.18e2	5.91e4	0.80	YES	1.01	1.1503	38.72	38.70	1.002	1.001	NO	7.197		12.0	5.25
22	22	cis-Nonachlor	1.47e3	3.08e4	1.08	NO	1.00	1.1503	38.97	38.94	1.001	1.000	NO	41.49		16.1	41.5
23	23	Endosulfan II (beta)	3.71e2	1.12e4	2.17	YES	1.07	1.1503	39.09	39.07	1.000	1.000	NO	26.89		58.9	21.7
24	24	2,4'-DDD	7.05e6	7.01e5	1.59	NO	1.07	1.1503	37.90	37.89	1.000	1.000	NO	8196		3.38	8200
25	25	2,4'-DDT	2.12e6	2.73e5	1.55	NO	1.06	1.1503	39.63	39.62	1.000	1.000	NO	645.7		8.67	646
26	26	4,4'-DDD	1.23e7	4.27e5	1.58	NO	1.16	1.1503	39.15	39.14	1.000	1.000	NO	21550		4.72	21600

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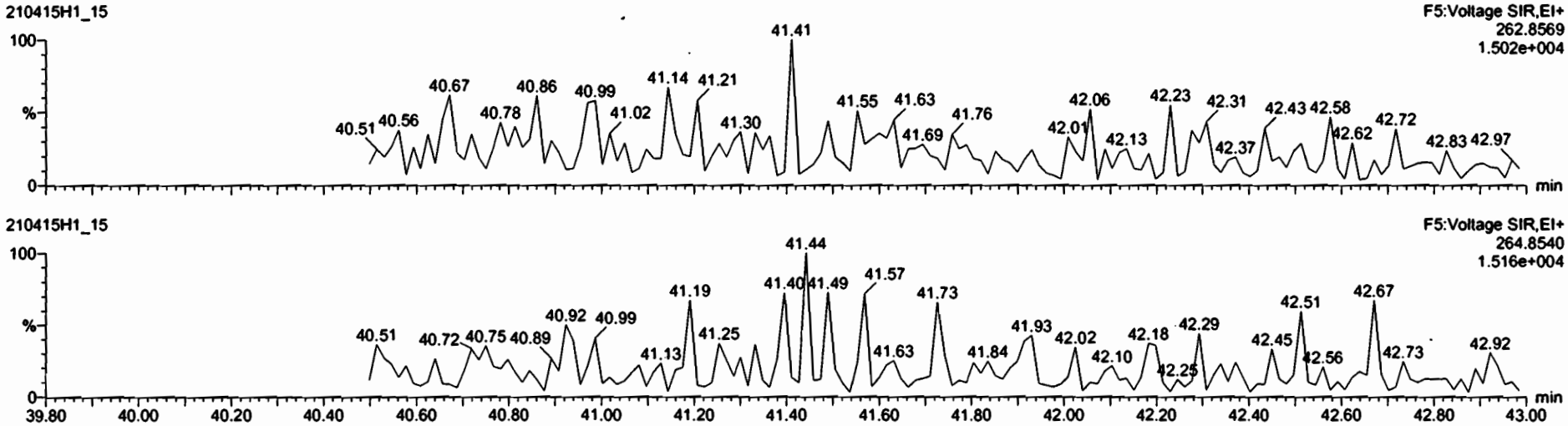
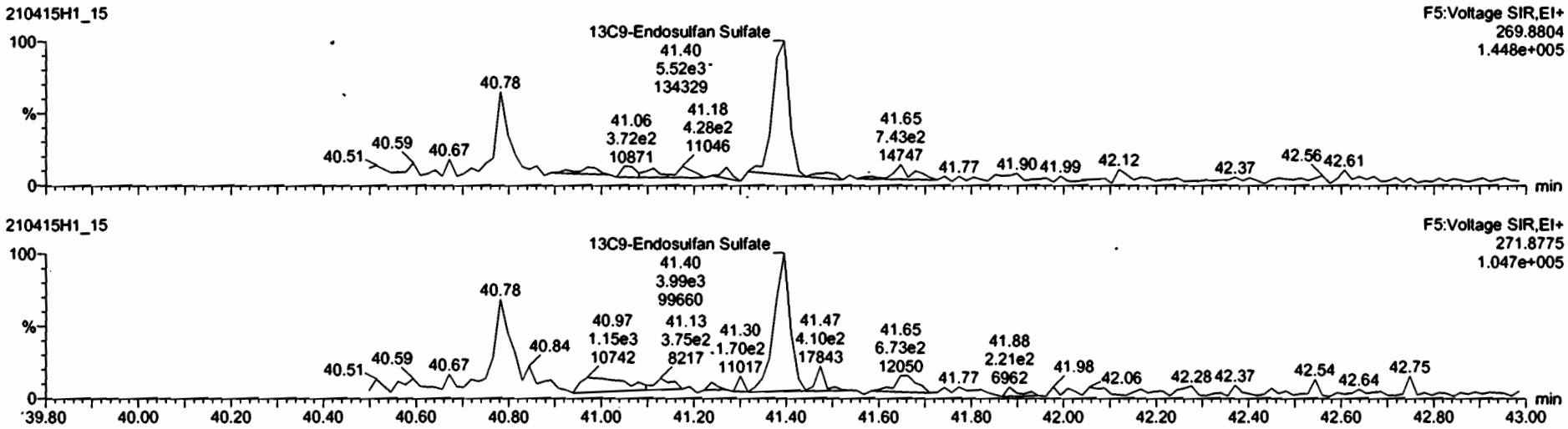
Endosulfan Sulfate



13C9-Endosulfan Sulfate



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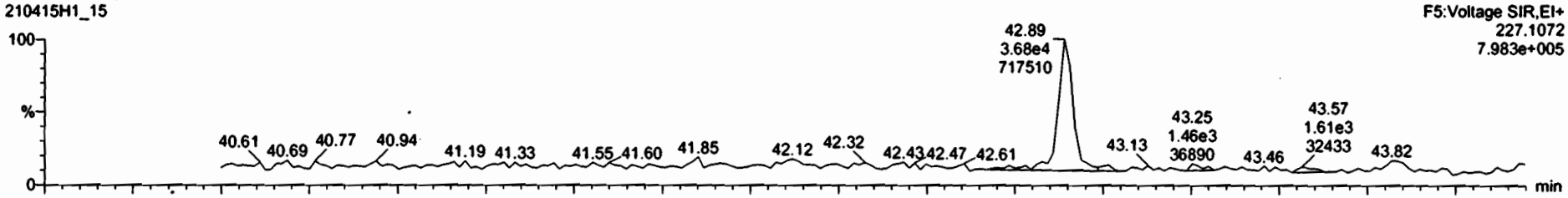
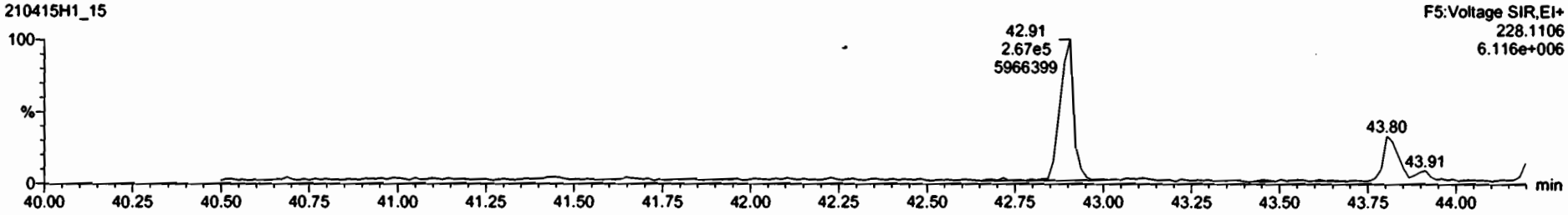
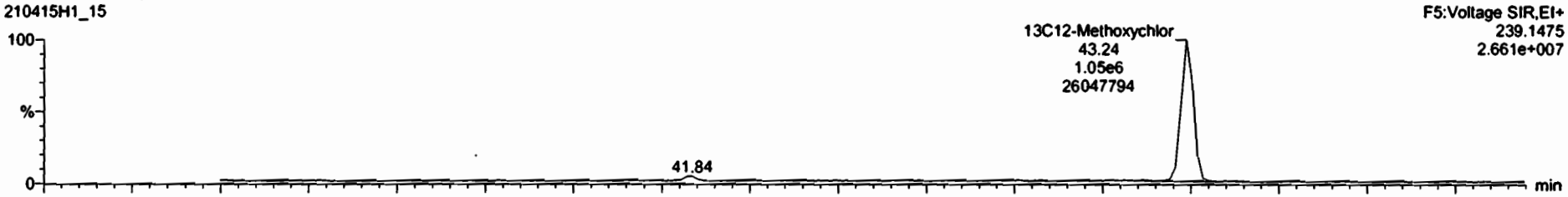
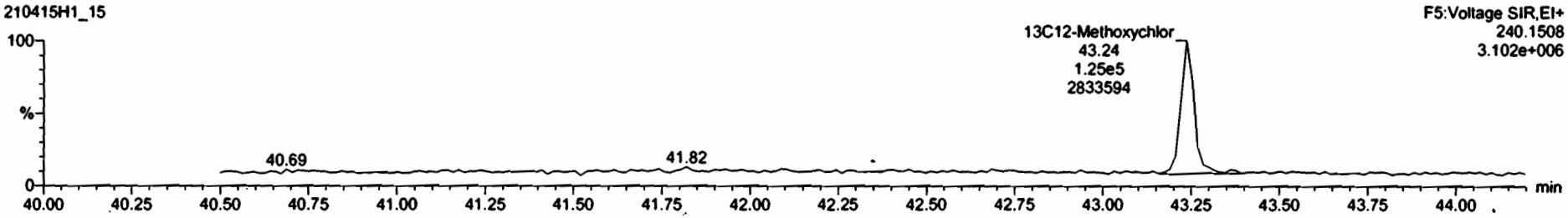
4,4'-Methoxychlor





13C12-Methoxychlor





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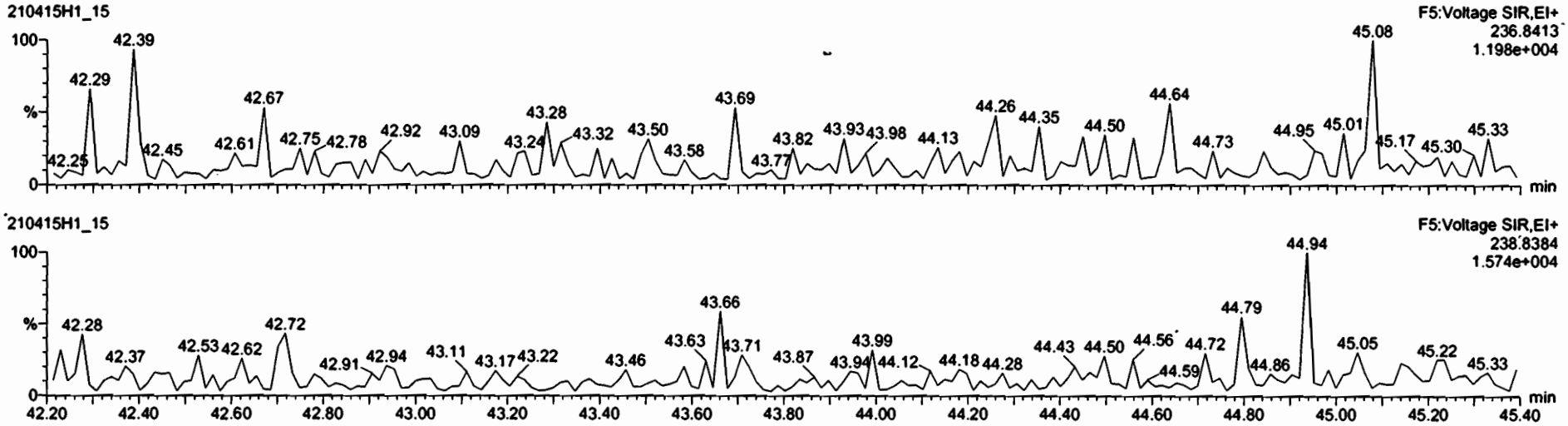
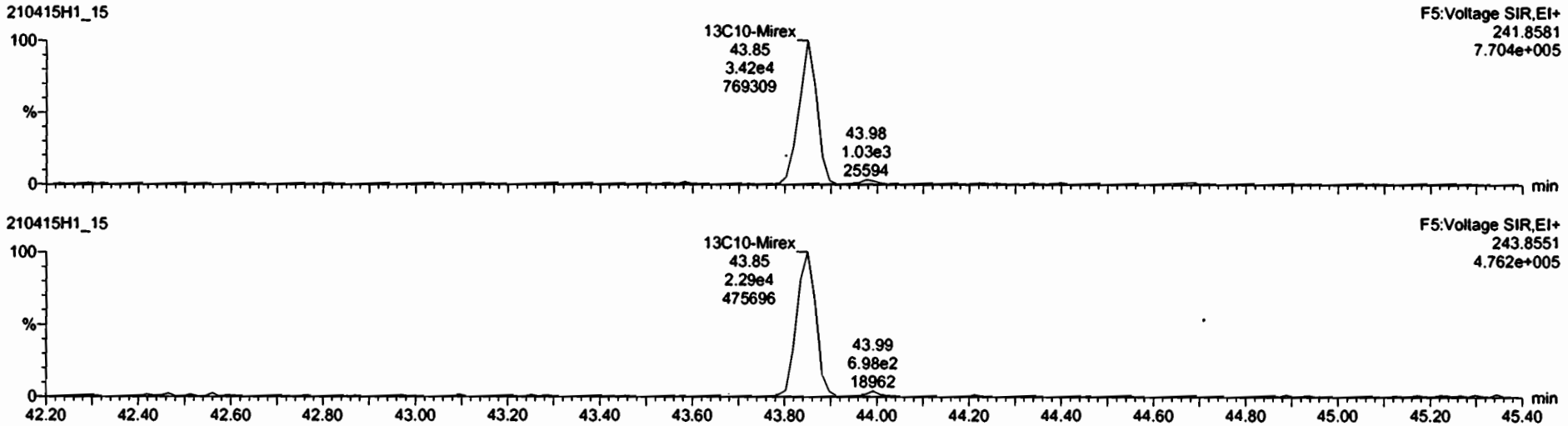
Mirex



13C10-Mirex



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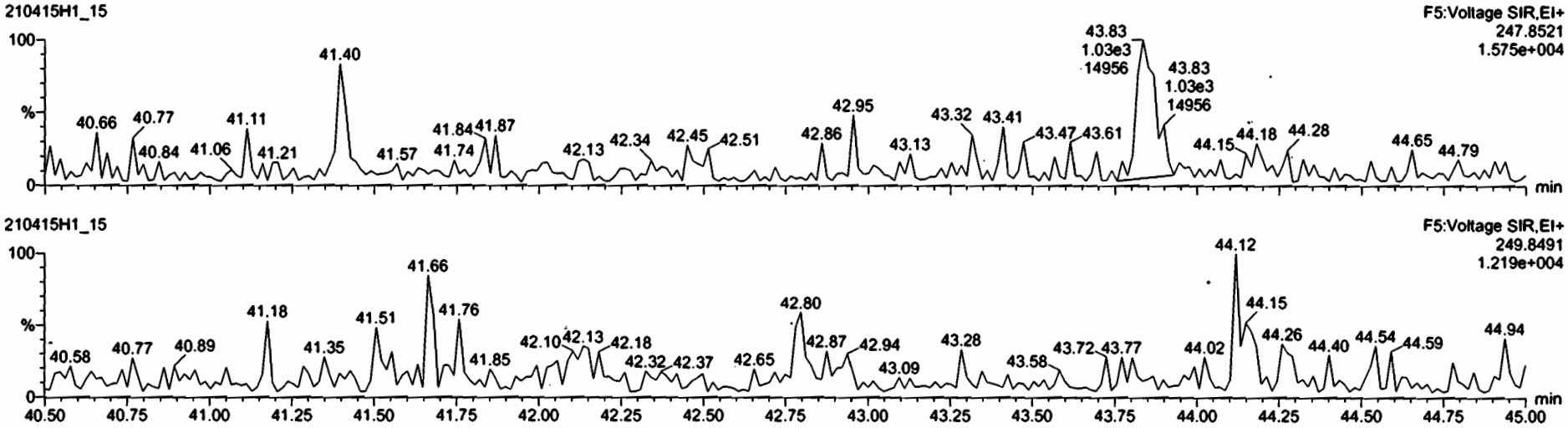
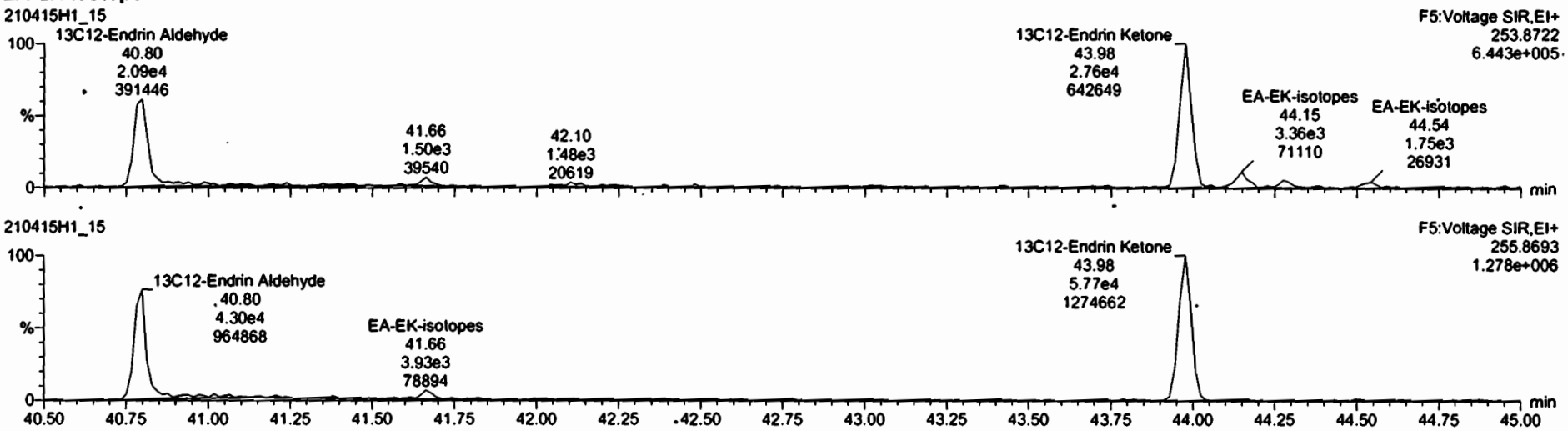
EA-EK



EA-EK-isotopes



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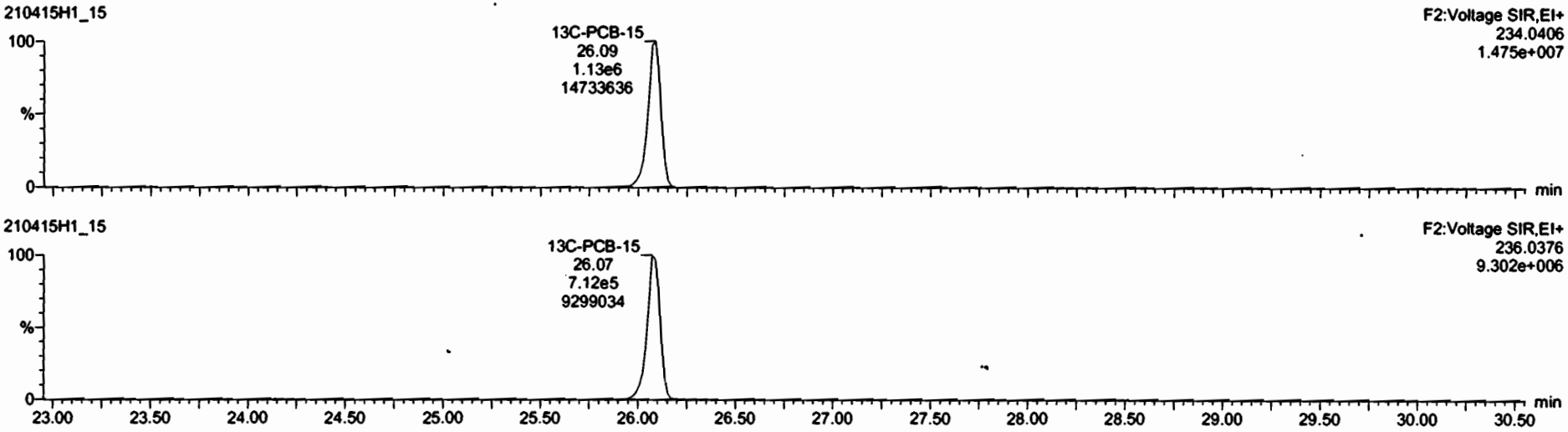
13C-PCB-15



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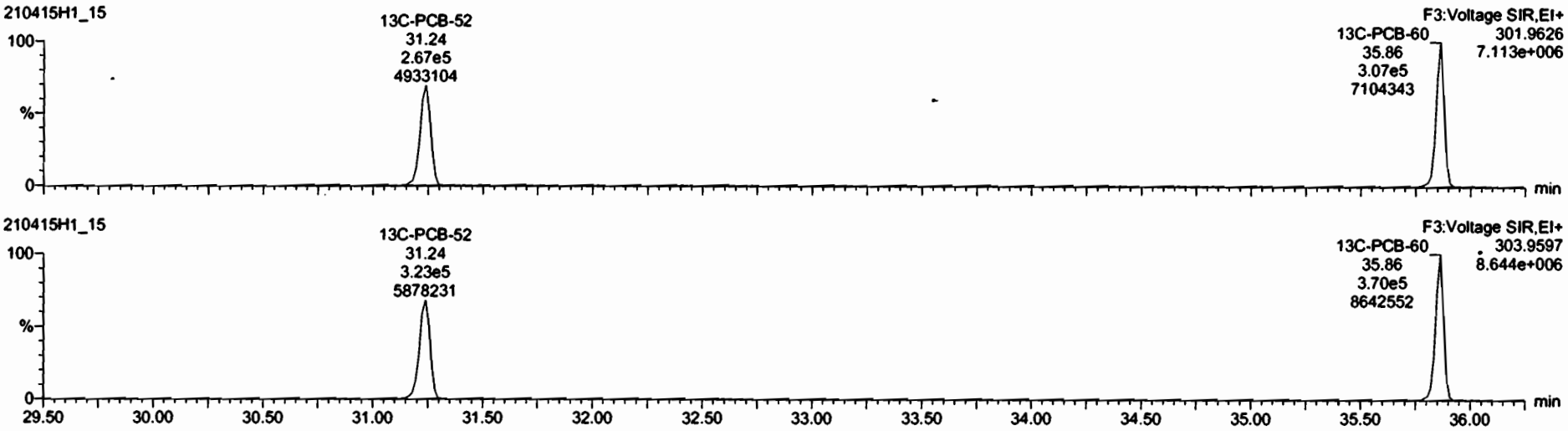

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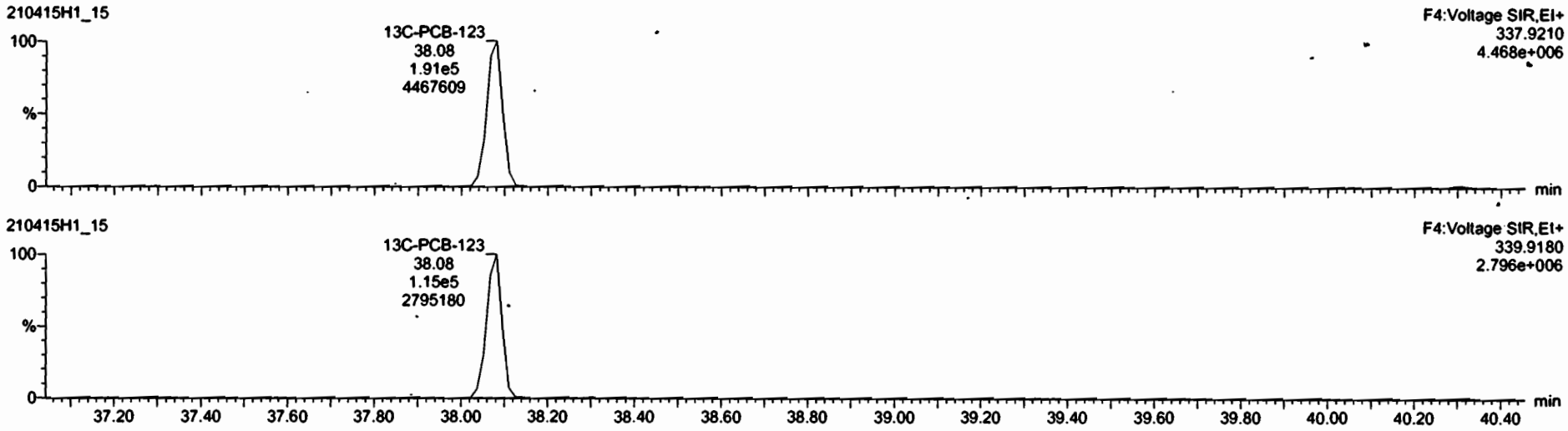
13C-PCB-123



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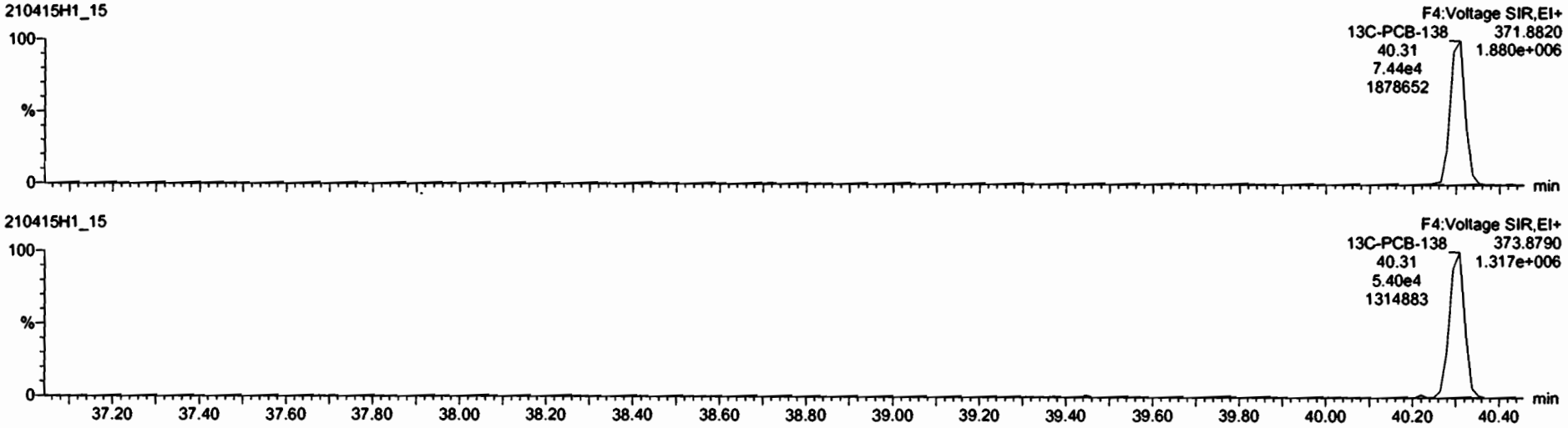

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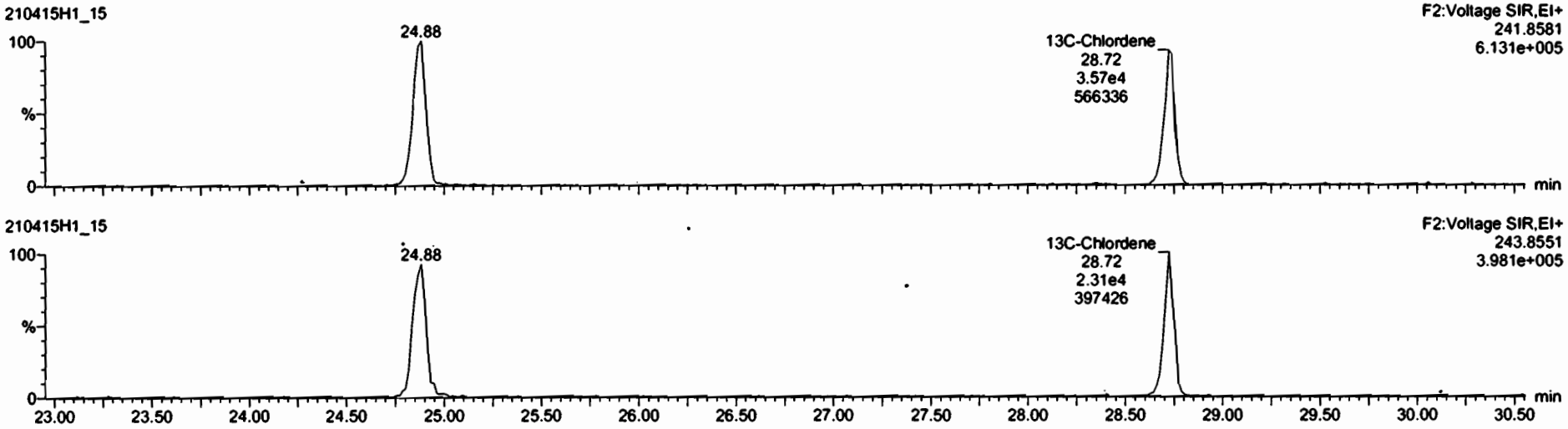
13C-Chlordene



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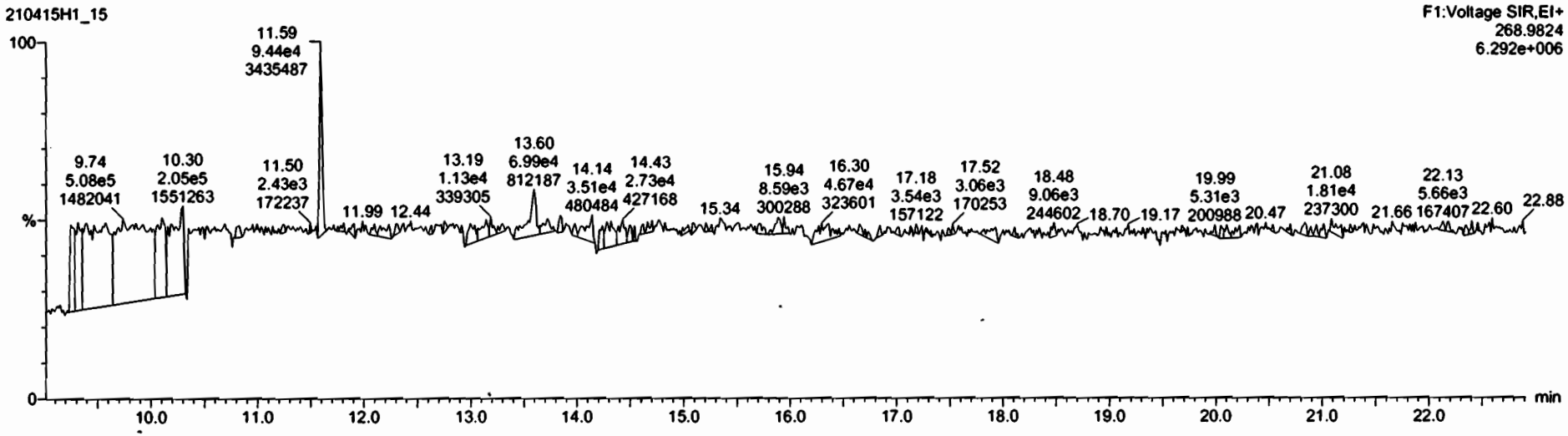

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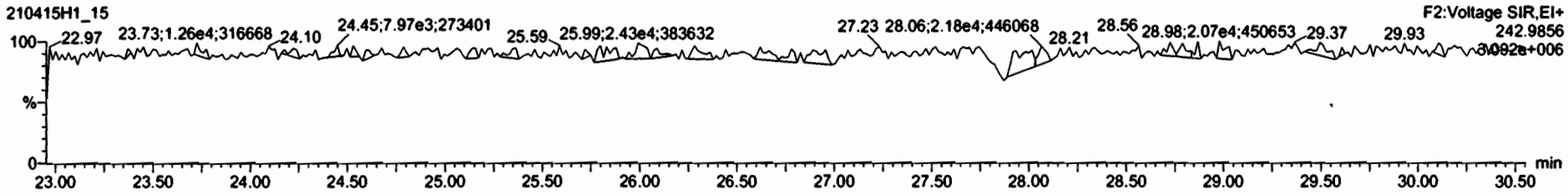
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_15, Date: 15-Apr-2021, Time: 20:55:46, ID: 2103216-02RE1 USMPDI-058RAB-10-20-210317 1.37, Description: USMPDI-058RAB-10-20-210317

PFK2



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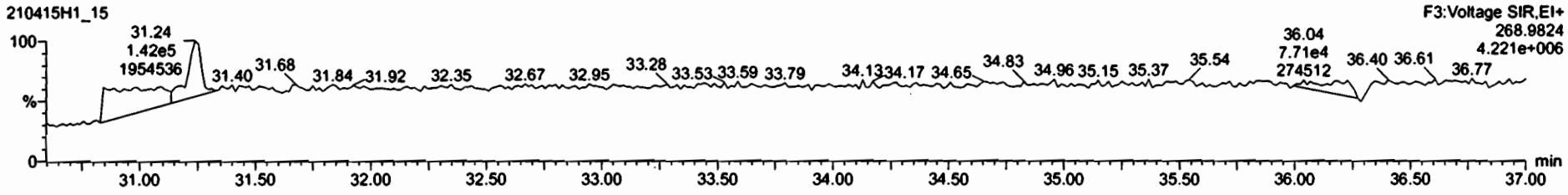
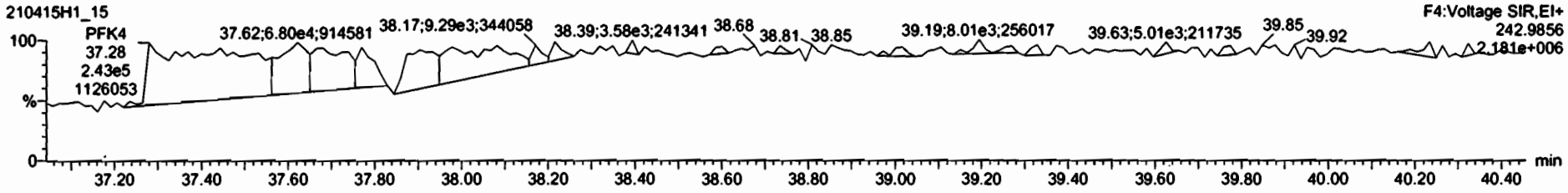


PFK4



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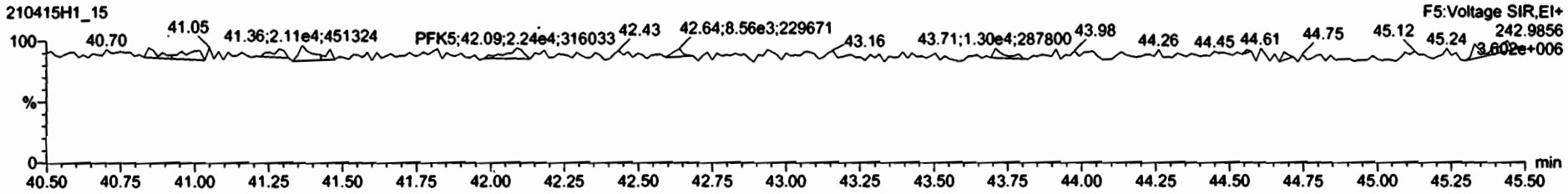


Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210420H5\210420H5_15.qld

Last Altered: Wednesday, April 21, 2021 14:57:03 Pacific Daylight Time
Printed: Wednesday, April 21, 2021 14:57:25 Pacific Daylight Time

OC 04/28/21
DF 04/21/21

CT 05/03/2021

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210420H5_15, Date: 21-Apr-2021, Time: 05:37:22, ID: 2103216-02RE1@10X USMPDI-058RAB-10-20-210317 1.37, Description: USMPDI-058RAB-10-20-210317,
Task: ICAL210420H5

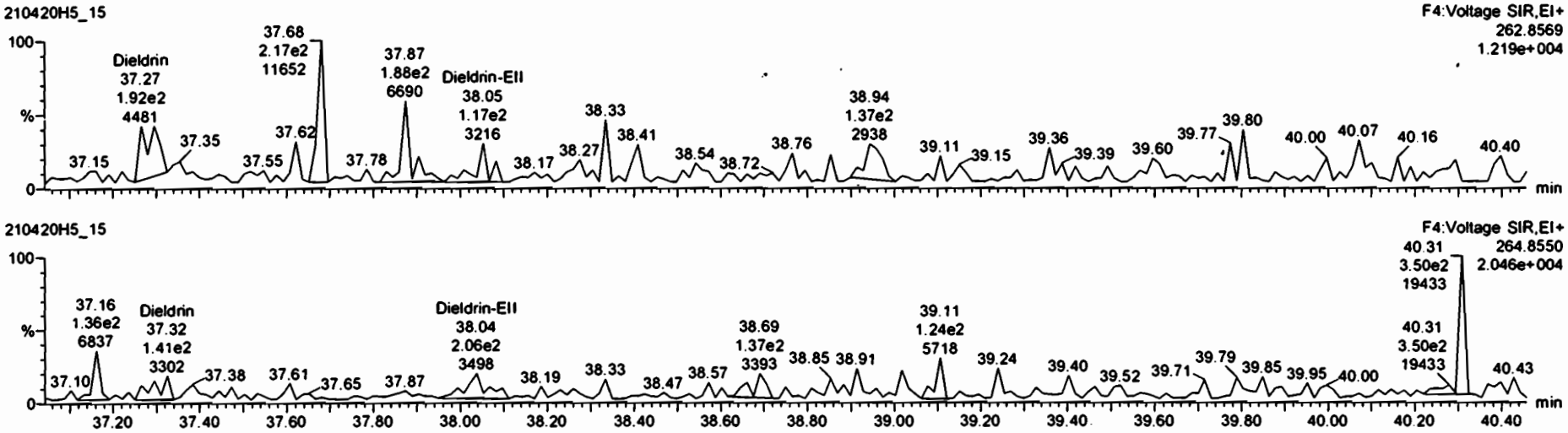
	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	24	2,4'-DDD	1.98e5	2.15e4	1.61	NO	1.03	1.150	37.90	1.000	1.000	NO	7796.4		58.2	7800
2	26	4,4'-DDD	2.83e5	1.08e4	1.62	NO	1.10	1.150	39.15	1.000	1.000	NO	20700		116	20700
3	52	13C12-2,4'-DDD	2.15e4	2.09e4	1.88	NO	1.21	1.150	37.89	1.057	1.057	NO	737.65	84.8	98.5	
4	54	13C12-4,4'-DDD	1.08e4	2.09e4	1.58	NO	0.950	1.150	39.14	1.092	1.092	NO	472.66	54.4	126	
5	63	13C-PCB-60	2.09e4	2.09e4	0.76	NO	1.00	1.150	35.85	1.000	1.000	NO	869.37	100	21.1	

Dataset: Untitled

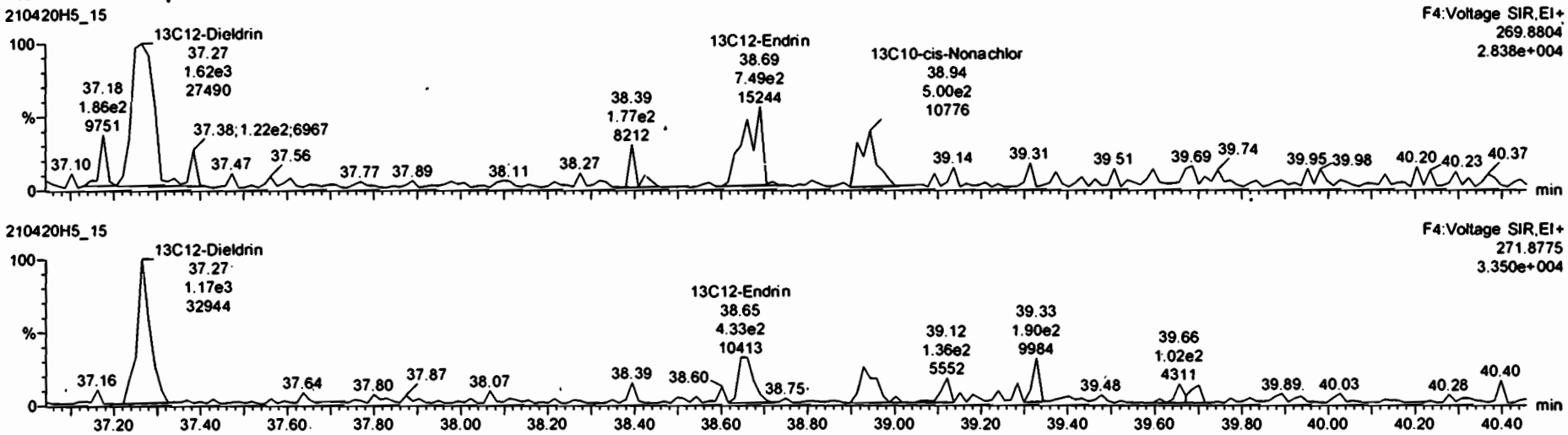
Last Altered: Wednesday, April 21, 2021 14:00:25 Pacific Daylight Time
Printed: Wednesday, April 21, 2021 14:01:05 Pacific Daylight Time

Name: 210420H5_15, Date: 21-Apr-2021, Time: 05:37:22, ID: 2103216-02RE1@10X USMPDI-058RAB-10-20-210317 1.37, Description: USMPDI-058RAB-10-20-210317

Dieldrin-EII



Dieldrin-EII-isotopes



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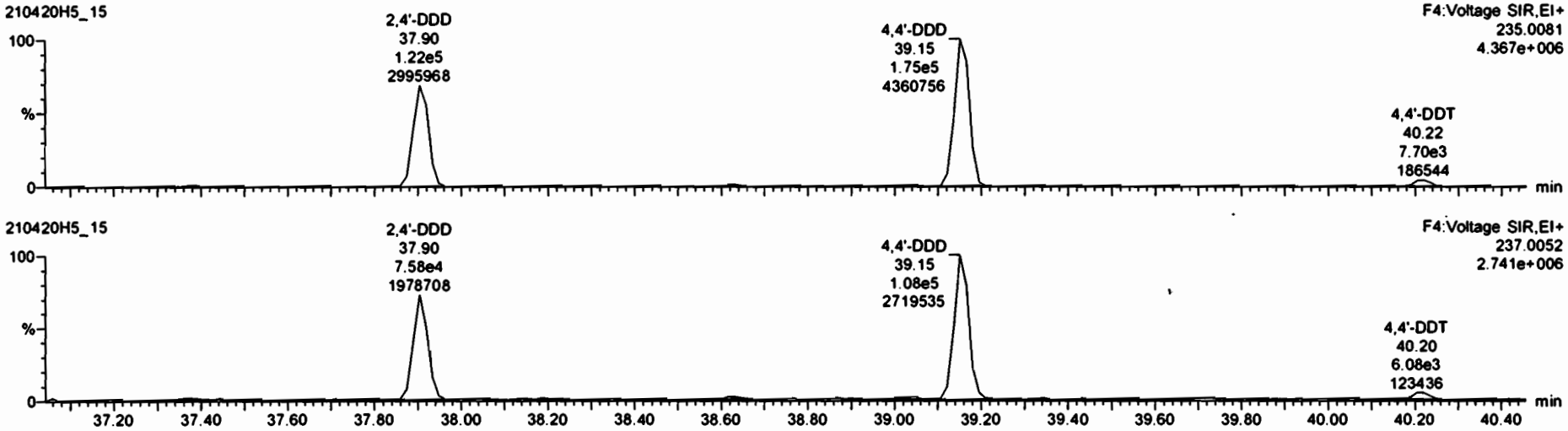
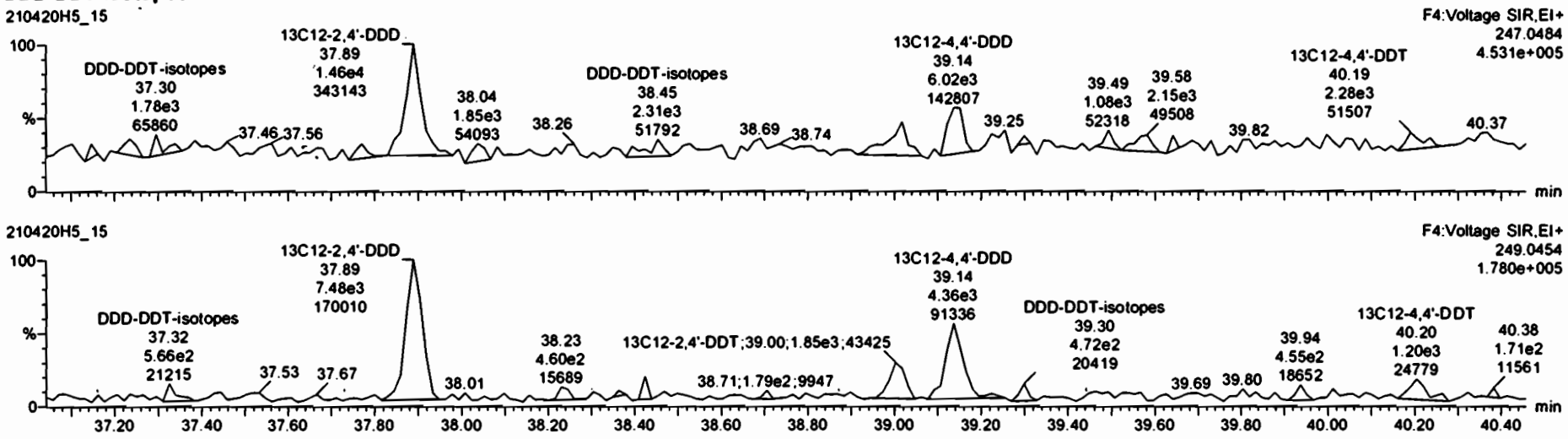
Last Altered: Wednesday, April 21, 2021 14:00:25 Pacific Daylight Time
Printed: Wednesday, April 21, 2021 14:01:05 Pacific Daylight Time

Name: 210420H5_15, Date: 21-Apr-2021, Time: 05:37:22, ID: 2103216-02RE1@10X USMPDI-058RAB-10-20-210317 1.37, Description: USMPDI-058RAB-10-20-210317

DDD-DDT



DDD-DDT-isotopes

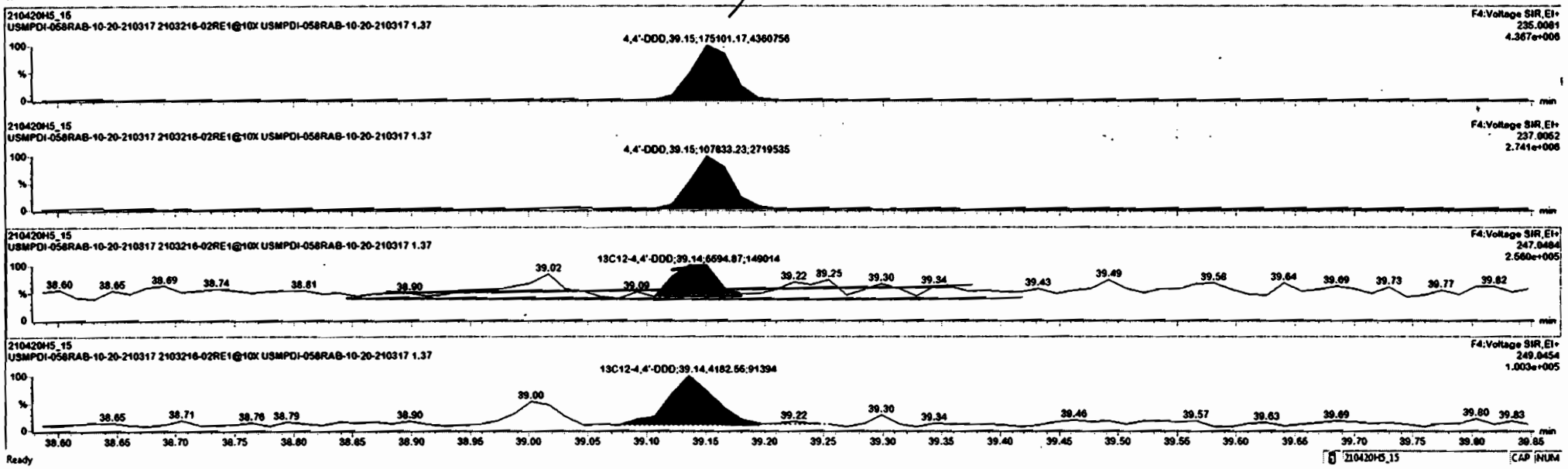


TargetLynx - 210420H5_15.qld * - [Chromatogram]

File Edit View Display Processing Window Help

210420H5_15 - 2103216-02RE1@10X USMPDI-058RAB-10-20 210317 1 37 - USMPDI-058RAB-10-20-210317

	Name	Conc.	DL	%Rec	EMPC	Abs Resp	RRF	RT	#	ISR	RA	Y/N	RRT	Acq Date	Acq.Time	1st Chr Name	ID	Sample Text	Factor	SWI	Cal.File
14	trans-Nonachlor		92.7				1 090		14	44		NO		21-Apr-21	05 37 22	1959 224	2103216-02...	USMPDI-058RAB...	0 0	1.15	db-50...
15	cis-Chlordane	195.411	84 0		158.682	3.285e2	1.203	35.75	15	44	1 078	YES	1 015	21-Apr-21	05:37 22	1959 224	2103216-02...	USMPDI-058RAB...	0 0	1.15	db-50...
16	Endosulfan I (alpha)		125				1 213		16	45		NO		21-Apr-21	05:37 22	1959 224	2103216-02...	USMPDI-058RAB...	0 0	1.15	db-50...
17	4,4'-DDMU	2640 48	30 2		2640 48	4.894e4		35.48	17	46	3 269	NO	0.994	21-Apr-21	05:37 22	3997 107	2103216-02...	USMPDI-058RAB...	0 0	1 15	db-50...
18	2,4'-DDE	302 467	28 2		302 467	1.387e4	1.014	35 76	18	46	1 524	NO	1 000	21-Apr-21	05:37 22	16163 732	2103216-02...	USMPDI-058RAB...	0 0	1 15	db-50...
19	4,4'-DDE	1529 03	49 4		1529 03	4.274e4	1.034	36 77	19	47	1 548	NO	1 000	21-Apr-21	05:37 22	16163 732	2103216-02...	USMPDI-058RAB...	0 0	1 15	db-50...
20	Dieldrin	98 4458	124		98 4458	3.326e2	1 954	37 26	20	48	1 366	NO	1 000	21-Apr-21	05:37 22	3197 527	2103216-02...	USMPDI-058RAB...	0 0	1 15	db-50...
21	Endrin		264				0 979		21	49		NO		21-Apr-21	05:37 22	3197 527	2103216-02...	USMPDI-058RAB...	0 0	1 15	db-50...
22	cis-Nonachlor		317				1 955		22	50		NO		21-Apr-21	05:37 22	3197 527	2103216-02...	USMPDI-058RAB...	0 0	1 15	db-50...
23	Endosulfan II (beta)								23	51		NO		21-Apr-21	05:37 22	3197 527	2103216-02...	USMPDI-058RAB	0 0	1 15	db-50...
24	2,4'-DDD	7588 43	58 7		7588 43	1.978e5	1 026	37 90	24	52	1 610	NO	1 000	21-Apr-21	05:37 22	19660 748	2103216-02...	USMPDI-058RAB	0 0	1 15	db-50...
25	2,4'-DDT	558 999	220		439 733	4.787e3	1 018	39 03	25	53	0 807	YES	1 000	21-Apr-21	05:37 22	19660 748	2103216-02...	USMPDI-058RAB...	0 0	1 15	db-50...
26	4,4'-DDD	20899.7	116		20899.7	2.829e5	1 163	39 15	26	54	1 624	NO	1 000	21-Apr-21	05:37 22	19660 748	2103216-02...	USMPDI-058RAB...	0 0	1 15	db-50...
27	4,4'-DDT *	3297 13	358		3297 13	1.378e4	1 109	40 22	27	55	1 295	NO	1 001	21-Apr-21	05:37 22	19660 748	2103216-02	USMPDI-058RAB	0 0	1 15	db-50...
28	Endosulfan Sulfate		460				1 037		28	56		NO		21-Apr-21	05:37 22	2635 224	2103216-02...	USMPDI-058RAB...	0 0	1 15	db-50...
29	4,4'-Methoxychlor								29	57		NO		21-Apr-21	05:37 22	36721 063	2103216-02...	USMPDI-058RAB...	0 0	1 15	db-50...
30	Mirex		177				1 022		30	58		NO		21-Apr-21	05 37 22	2348 414	2103216-02...	USMPDI-058RAB...	0 0	1.15	db-50...
31	Endrin Aldehyde		905				1 184		31	59		NO		21-Apr-21	05:37 22	2679 426	2103216-02...	USMPDI-058RAB...	0 0	1 15	db-50...
32	Endrin Ketone		1000				1 040		32	60		NO		21-Apr-21	05:37 22	2679 426	2103216-02...	USMPDI-058RAB...	0 0	1 15	db-50...
33	13C4-Hexachlorobutadiene	2526.54	2 53	29.085		6.636e4	0 197	9 94	33	62	1 330	NO	0 361	21-Apr-21	05:37 22	493 717	2103216-02...	USMPDI-058RAB...	0 0	1 15	db-50...



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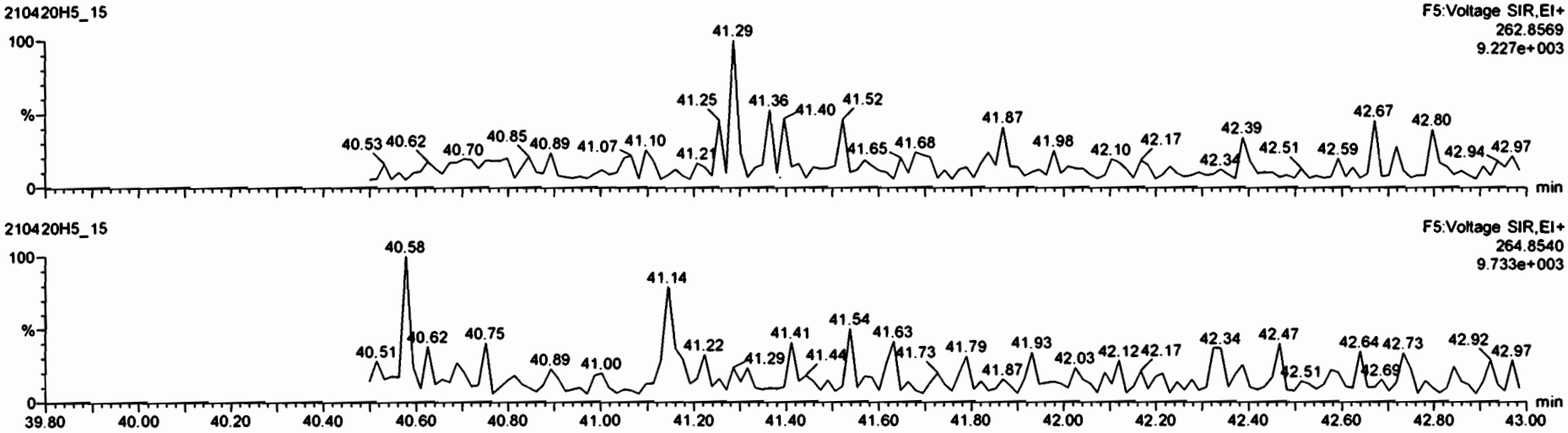
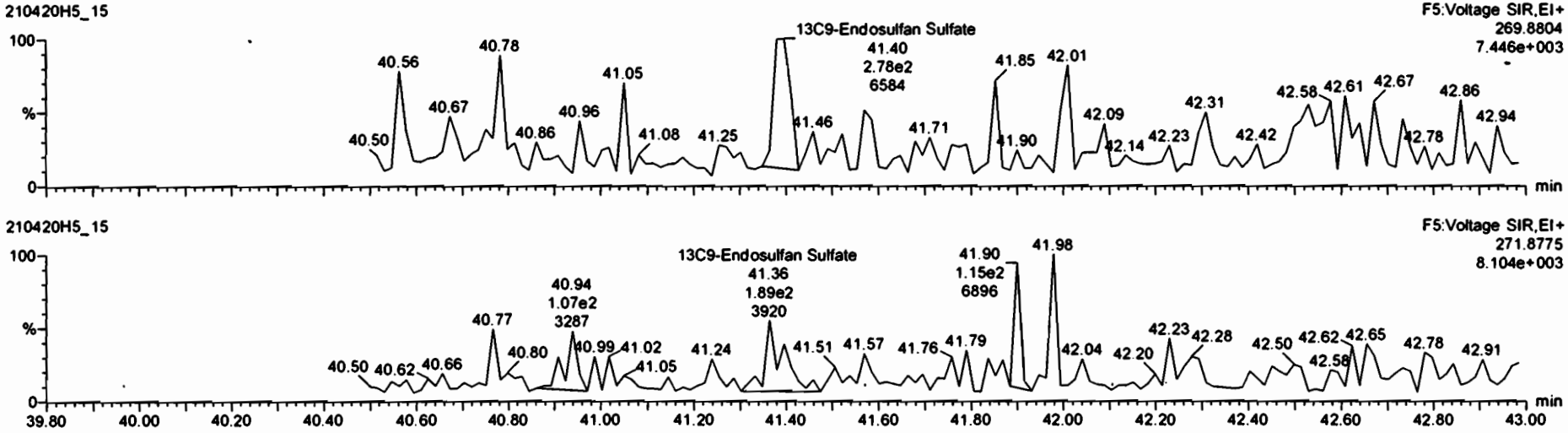
Last Altered: Wednesday, April 21, 2021 14:00:25 Pacific Daylight Time
Printed: Wednesday, April 21, 2021 14:01:05 Pacific Daylight Time

Name: 210420H5_15, Date: 21-Apr-2021, Time: 05:37:22, ID: 2103216-02RE1@10X USMPDI-058RAB-10-20-210317 1.37, Description: USMPDI-058RAB-10-20-210317

Endosulfan Sulfate



13C9-Endosulfan Sulfate



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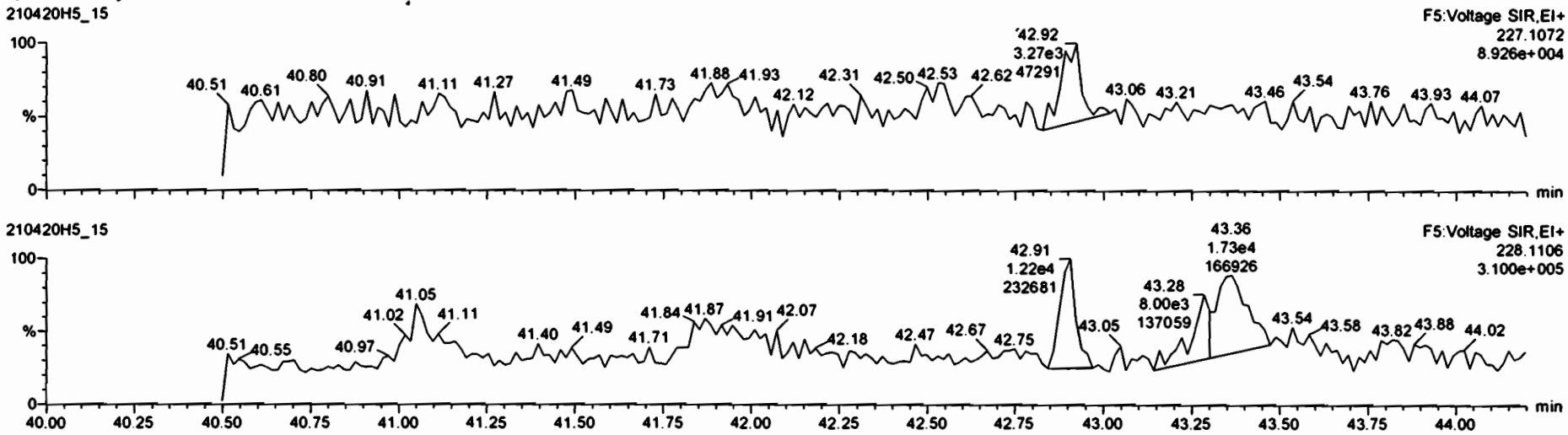
4,4'-Methoxychlor



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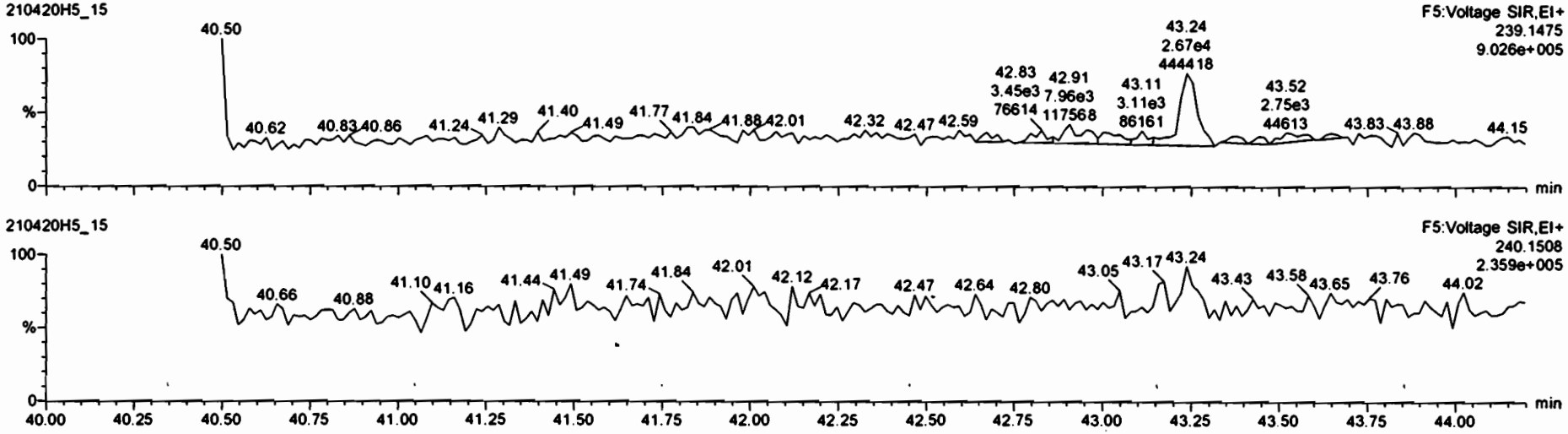

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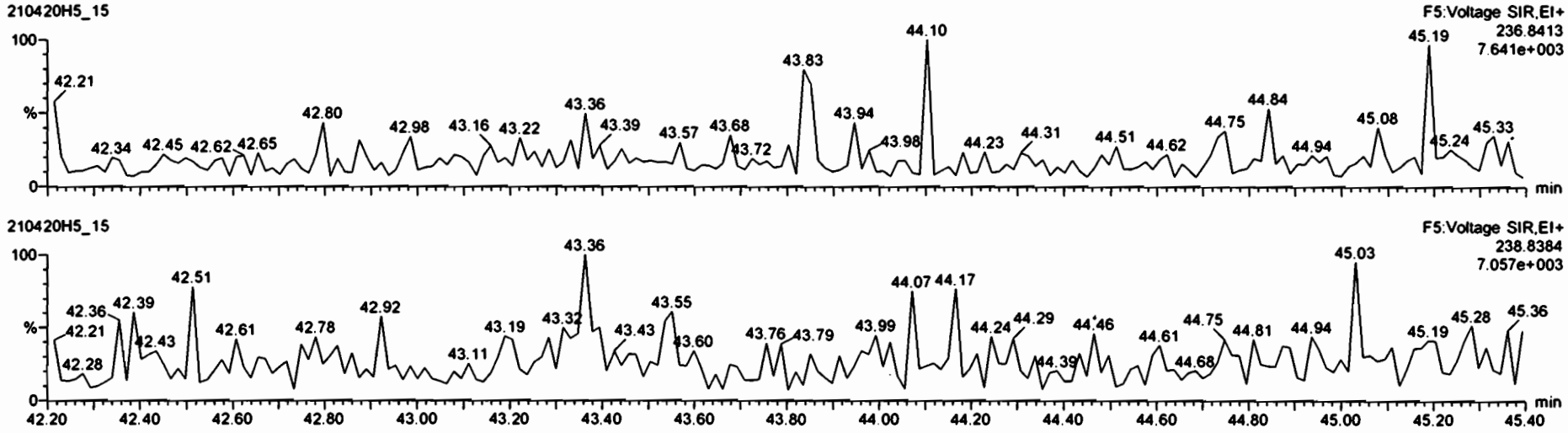
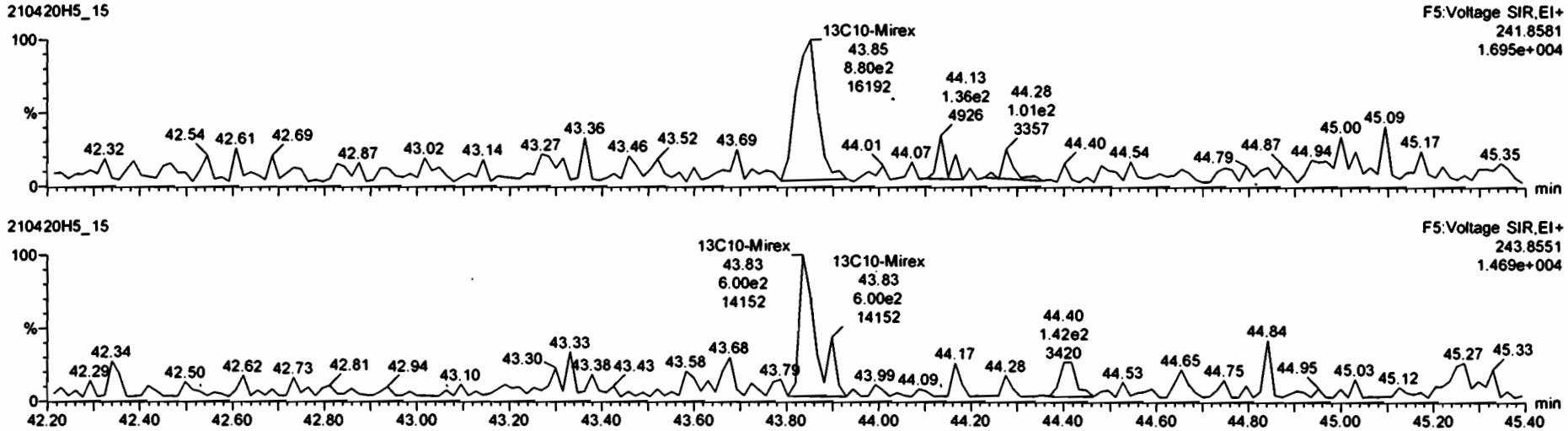
Mirex



13C10-Mirex



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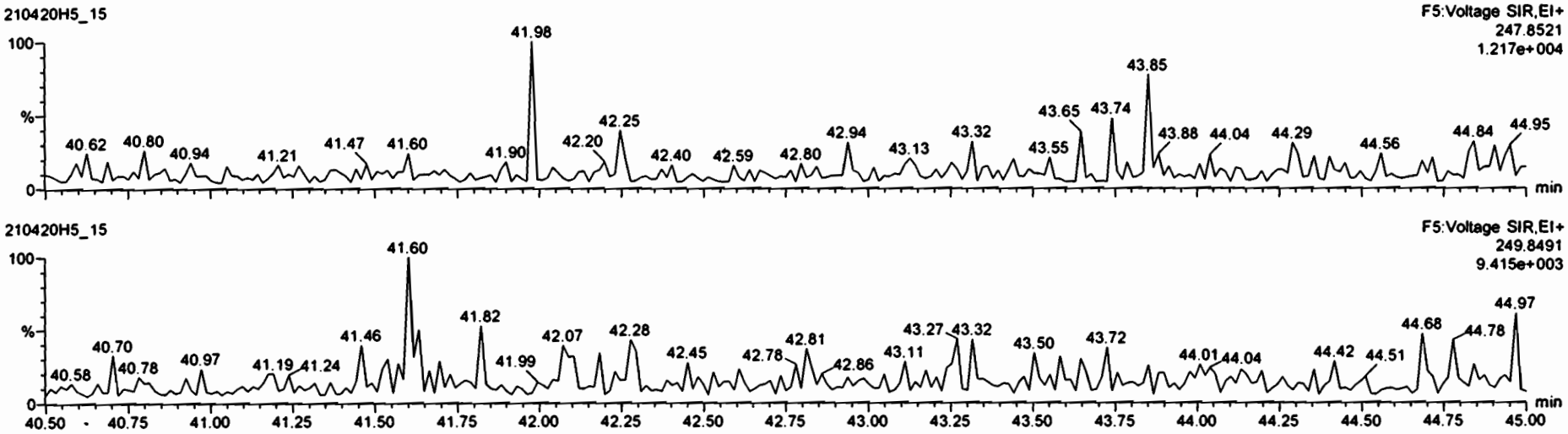
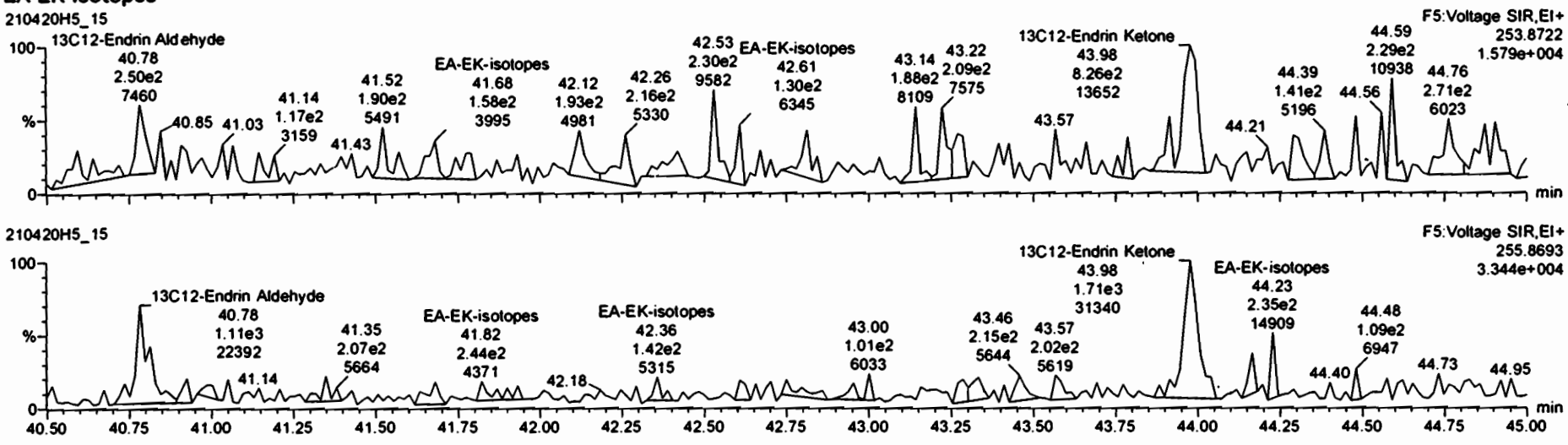
EA-EK



EA-EK-isotopes



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Last Altered: Wednesday, April 21, 2021 14:00:25 Pacific Daylight Time
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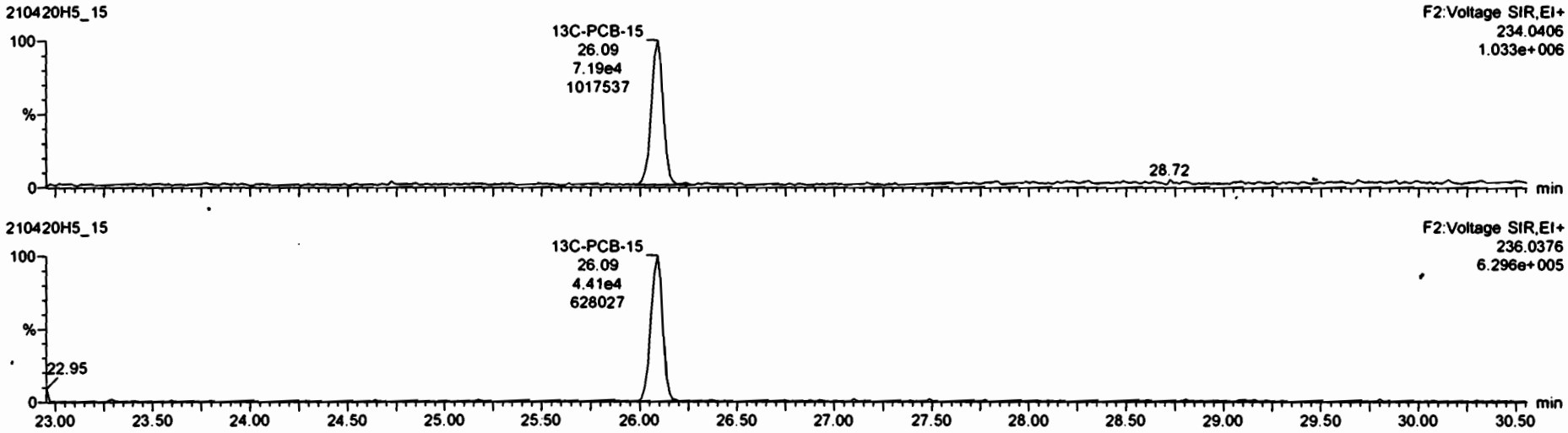
13C-PCB-15



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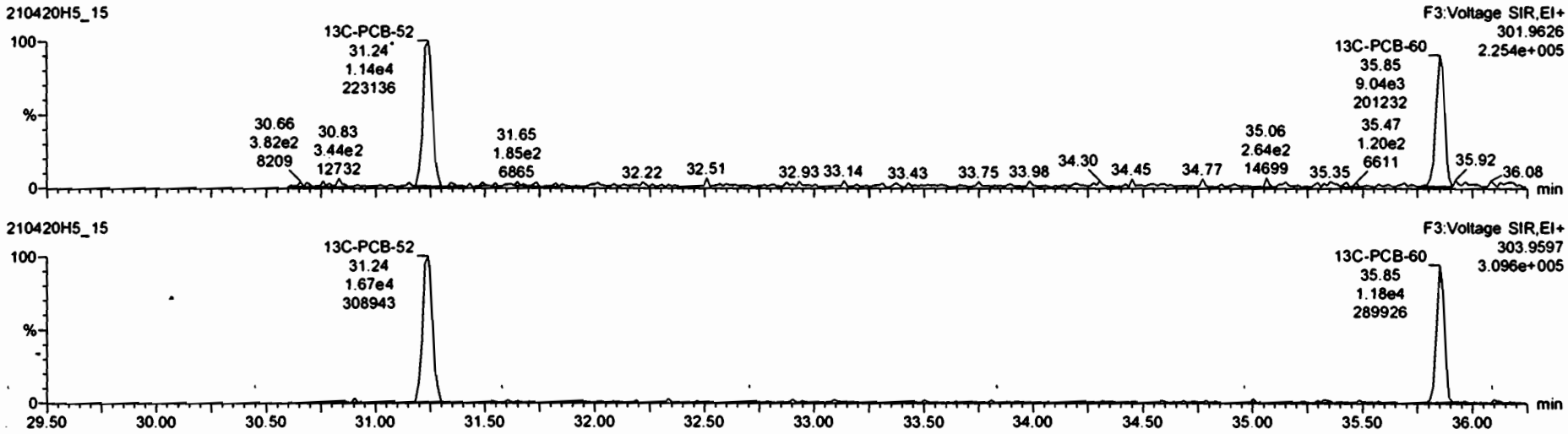

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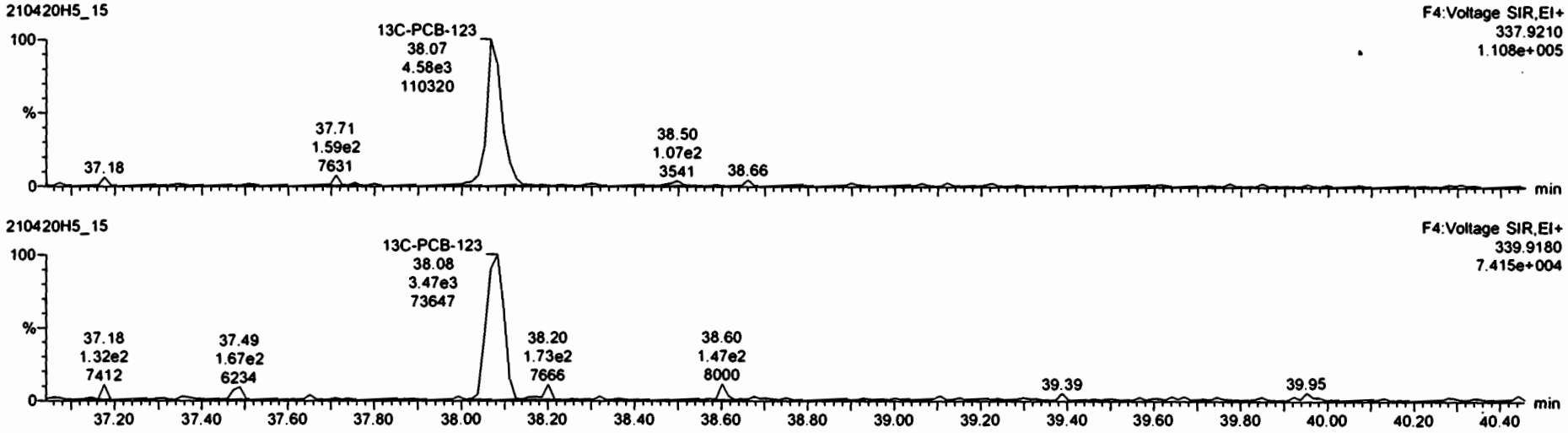

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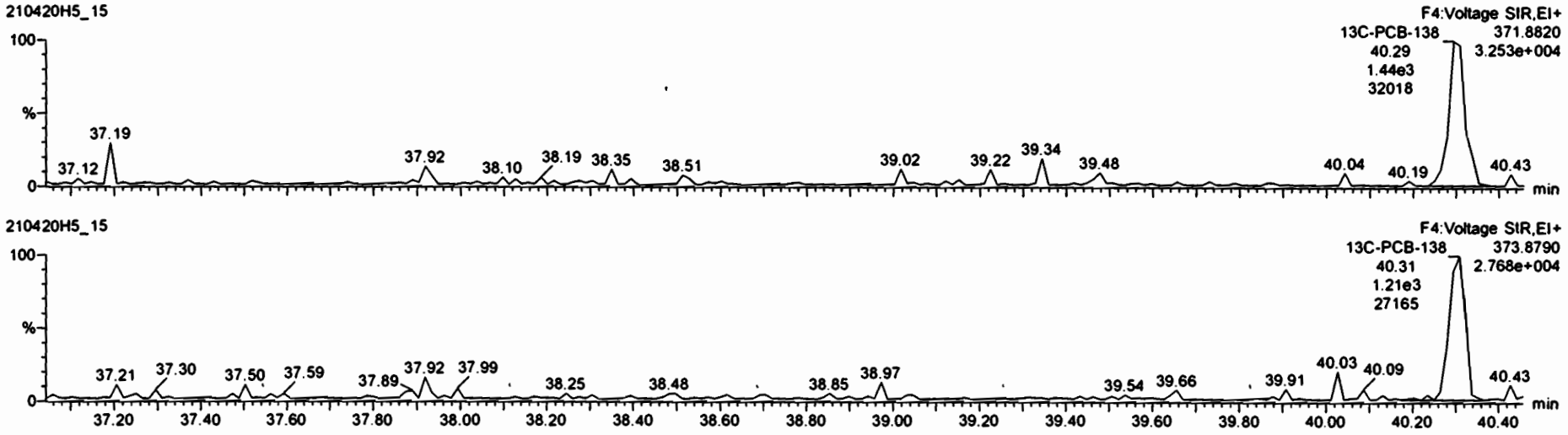

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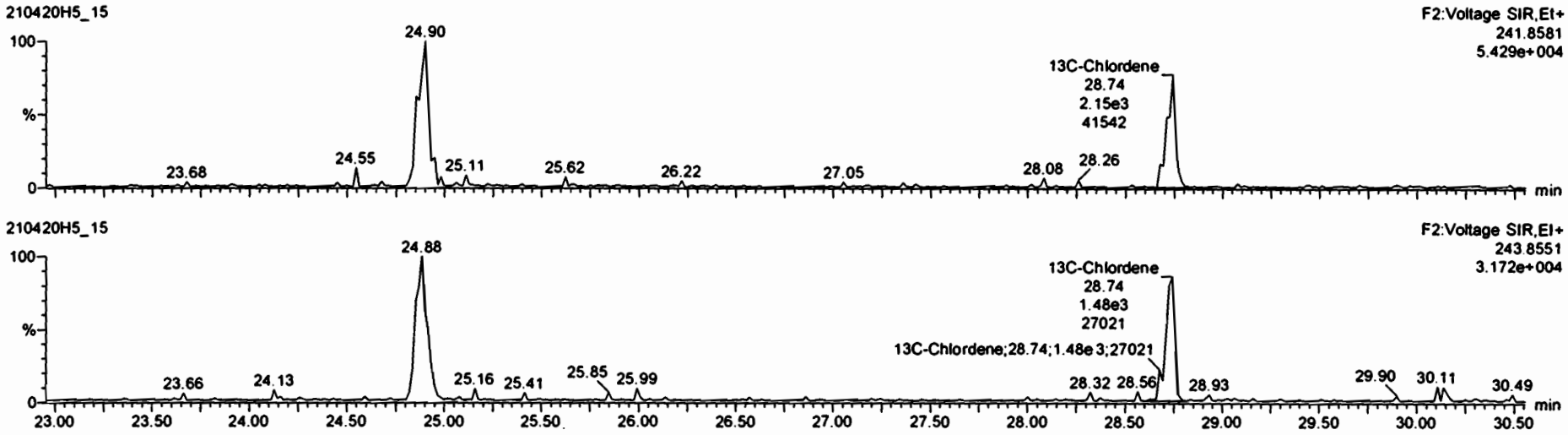
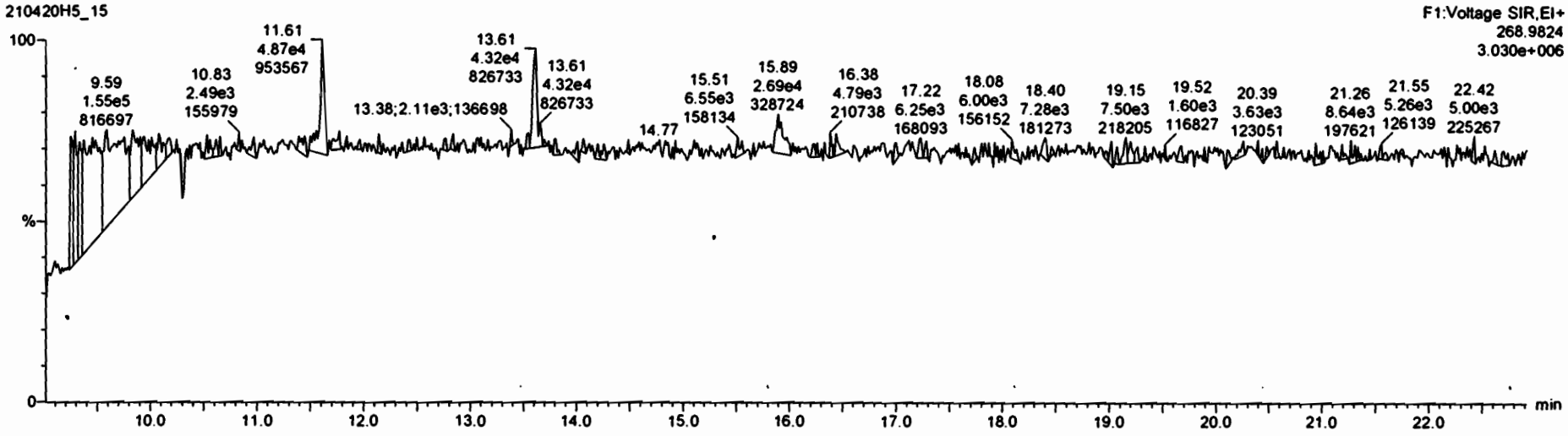
Printed: Wednesday, April 21, 2021 14:01:05 Pacific Daylight Time

Name: 210420H5_15, Date: 21-Apr-2021, Time: 05:37:22, ID: 2103216-02RE1@10X USMPDI-058RAB-10-20-210317 1.37, Description: USMPDI-058RAB-10-20-210317

13C-Chlordene



PFK1



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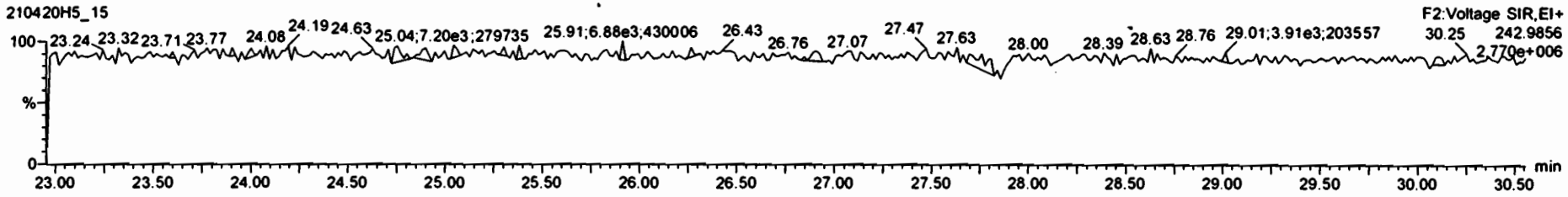
Printed: Wednesday, April 21, 2021 14:01:05 Pacific Daylight Time

Name: 210420H5_15, Date: 21-Apr-2021, Time: 05:37:22, ID: 2103216-02RE1@10X USMPDI-058RAB-10-20-210317 1.37, Description: USMPDI-058RAB-10-20-210317

PFK2



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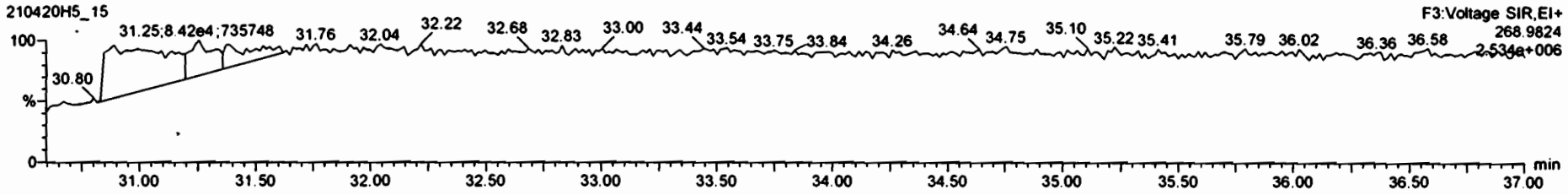
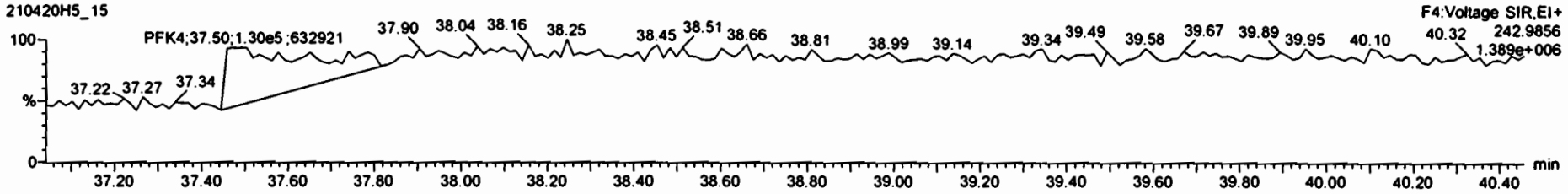
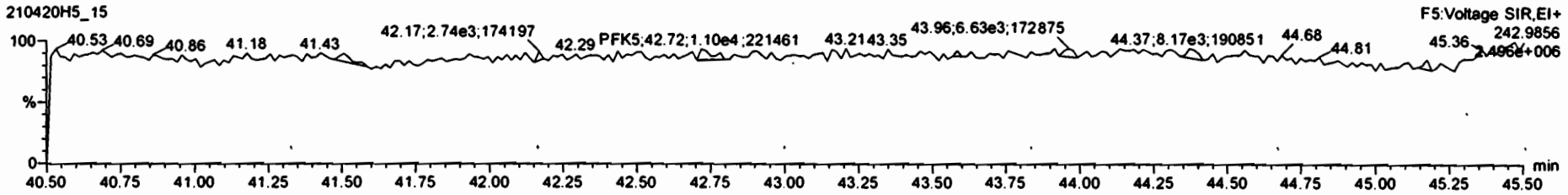


PFK4



PFK5



Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_14.qld

Last Altered: Tuesday, May 04, 2021 11:48:53 Pacific Daylight Time
Printed: Tuesday, May 04, 2021 11:50:55 Pacific Daylight Time

DF 05/04/21

CT 05/04/2021

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Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

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2	9	Aldrin		3.72e4		NO	1.09	1.097			1.001	YES			5.69	
3	10	Oxychlordane		3.73e4		NO	1.06	1.097			1.001	YES			5.07	
4	13	trans-Chlordane (g...		2.70e4		NO	1.14	1.097			1.001	YES			5.58	
5	14	trans-Nonachlor		2.61e4		NO	1.06	1.097			1.000	YES			6.57	
6	15	cis-Chlordane		2.61e4		NO	1.16	1.097			1.016	YES			5.98	
7	18	2,4'-DDE		7.50e5		NO	1.02	1.097			1.000	YES			1.86	
8	19	4,4'-DDE	7.72e3	4.39e5	1.16	YES	1.04	1.097	36.78	1.000	1.000	NO	15.449		3.05	13.6
9	20	Dieldrin		5.28e4		NO	1.03	1.097			1.001	YES			7.50	
10	22	cis-Nonachlor		2.12e4		NO	1.00	1.097			1.000	YES			18.0	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_14.qld

Last Altered: Tuesday, May 04, 2021 11:48:53 Pacific Daylight Time
Printed: Tuesday, May 04, 2021 11:51:10 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210415H1_14, Date: 15-Apr-2021, Time: 20:07:28, ID: 2103216-03RE1 USMPDI-058RAB-20-26.2-210317 1.56, Description: USMPDI-058RAB-20-26.2-210317, Task: ST210415H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc	%Rec	DL	EMPC
1	24	2,4'-DDD	2.66e4	3.09e5	1.40	NO	1.07	1.097	37.90	1.000	1.000	NO	73.834		6.86	73.8
2	25	2,4'-DDT		1.82e5		NO	1.05	1.097			1.000	YES			10.2	
3	26	4,4'-DDD	5.55e4	2.86e5	1.59	NO	1.16	1.097	39.15	1.000	1.000	NO	152.05		6.09	152
4	27	4,4'-DDT		1.06e5		NO	1.13	1.097			1.001	YES			15.9	
5	36	13C6-Lindane (ga...	2.33e5	1.54e6	0.79	NO	0.194	1.097	26.60	1.020	1.019	NO	711.21	78.0	3.23	
6	40	13C12-Aldrin	3.72e4	1.54e6	1.49	NO	0.154	1.097	30.80	1.181	1.181	NO	142.79	15.7	3.05	
7	41	13C10-Oxychlorda...	3.73e4	1.54e6	1.60	NO	0.0404	1.097	33.37	1.279	1.280	NO	545.74	59.9	11.6	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_14.qld

Last Altered: Tuesday, May 04, 2021 11:48:53 Pacific Daylight Time
Printed: Tuesday, May 04, 2021 11:51:21 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210415H1_14, Date: 15-Apr-2021, Time: 20:07:28, ID: 2103216-03RE1 USMPDI-058RAB-20-26.2-210317 1.56, Description: USMPDI-058RAB-20-26.2-210317, Task: ST210415H1_1

	#	Name	Resp	IS Area	RA	In/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	43	13C10-trans-Chlor...	2.70e4	1.54e6	1.53	NO	0.0358	1.097	35.05	1.343	1.344	NO	445.97	48.9	13.1	
2	44	13C10-trans-Nona...	2.61e4	5.11e5	1.56	NO	0.0638	1.097	35.22	0.982	0.983	NO	730.18	80.1	12.6	
3	46	13C12-2,4'-DDE	7.50e5	5.11e5	1.59	NO	1.43	1.097	35.70	0.996	0.995	NO	933.30	102	2.31	
4	47	13C12-4,4'-DDE	4.39e5	5.11e5	1.60	NO	0.995	1.097	36.77	1.025	1.026	NO	786.61	86.3	3.33	
5	48	13C12-Dieldrin	5.28e4	5.11e5	1.75	NO	0.146	1.097	37.28	1.039	1.040	NO	644.44	70.7	16.3	
6	50	13C10-cis-Nonach...	2.12e4	5.11e5	1.78	NO	0.0791	1.097	38.94	1.086	1.087	NO	476.82	52.3	30.1	
7	52	13C12-2,4'-DDD	3.09e5	5.11e5	1.59	NO	1.35	1.097	37.89	1.056	1.057	NO	406.61	44.6	5.21	
8	53	13C12-2,4'-DDT	1.82e5	5.11e5	1.63	NO	0.962	1.097	39.00	1.087	1.089	NO	338.13	37.1	7.32	
9	54	13C12-4,4'-DDD	2.86e5	5.11e5	1.63	NO	1.12	1.097	39.14	1.091	1.092	NO	453.88	49.8	6.27	
10	55	13C12-4,4'-DDT	1.06e5	5.11e5	1.74	NO	0.735	1.097	40.19	1.121	1.122	NO	257.65	28.3	9.59	
11	62	13C-PCB-15	1.54e6	1.54e6	1.58	NO	1.00	1.097	26.09	1.000	1.000	NO	911.59	100	0.784	

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_14.qld

Last Altered: Tuesday, May 04, 2021 11:48:53 Pacific Daylight Time
Printed: Tuesday, May 04, 2021 11:51:25 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210415H1_14, Date: 15-Apr-2021, Time: 20:07:28, ID: 2103216-03RE1 USMPDI-058RAB-20-26.2-210317 1.56, Description: USMPDI-058RAB-20-26.2-210317, Task: ST210415H1_1

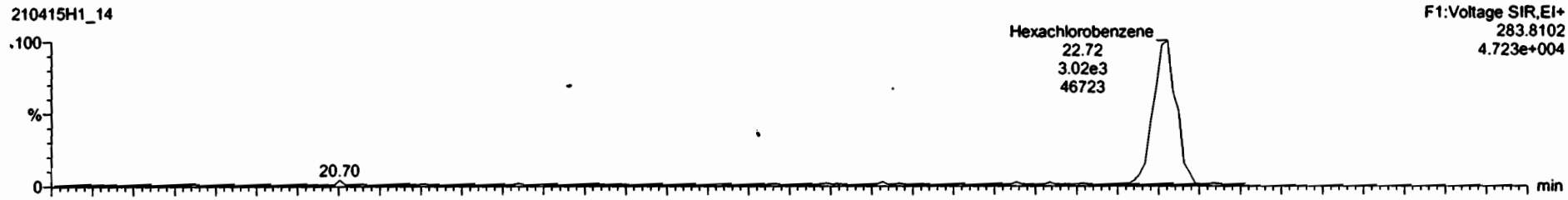
	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc	%Rec	DL	EMPC
1	63	13C-PCB-60	5.11e5	5.11e5	0.79	NO	1.00	1.097	35.86	1.000	1.000	NO	911.59	100	1.43	

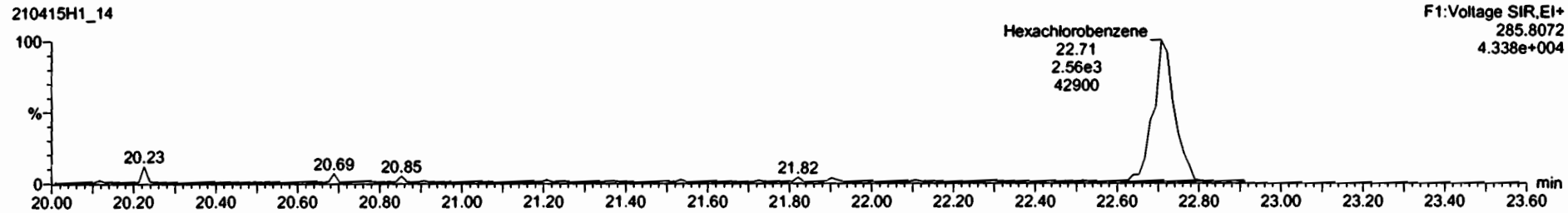
Dataset: Untitled

Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

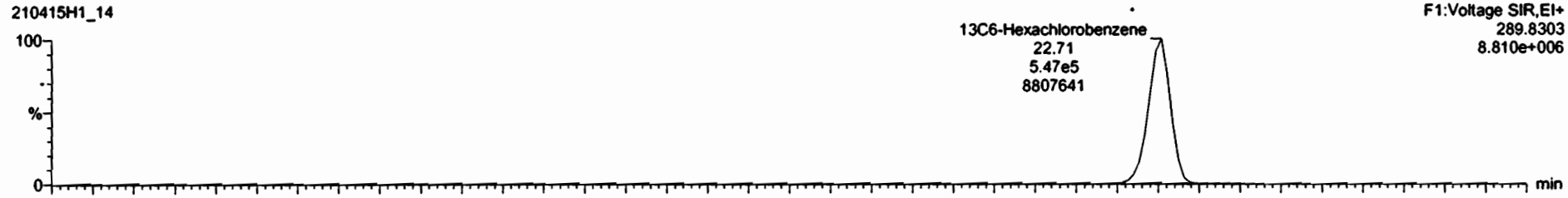
Name: 210415H1_14, Date: 15-Apr-2021, Time: 20:07:28, ID: 2103216-03RE1 USMPDI-058RAB-20-26.2-210317 1.56, Description: USMPDI-058RAB-20-26.2-210317

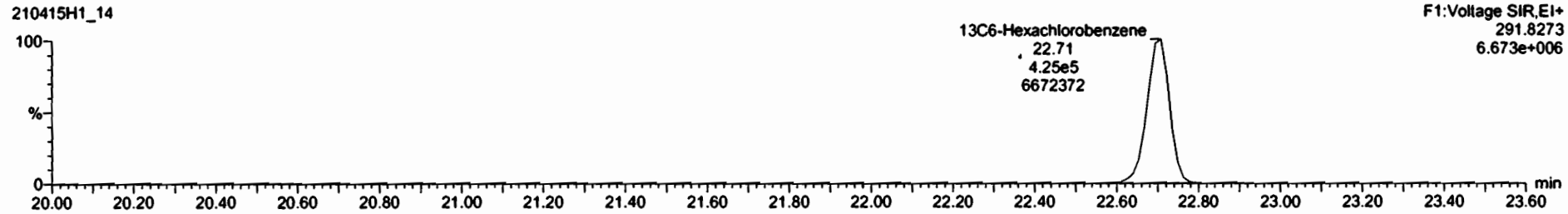
Hexachlorobenzene





13C6-Hexachlorobenzene



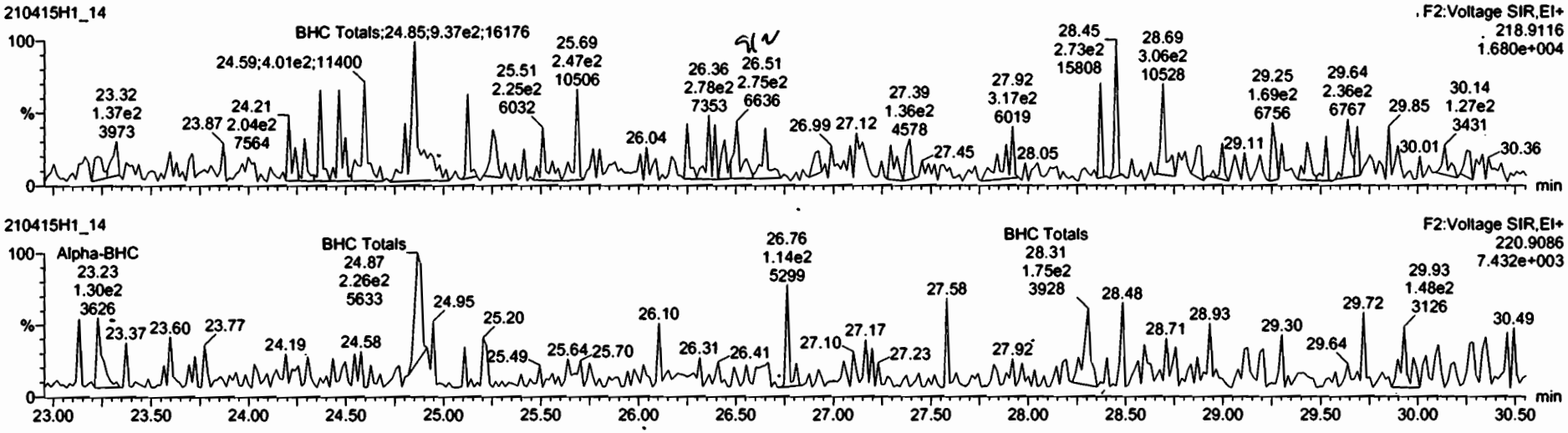


Dataset: Untitled

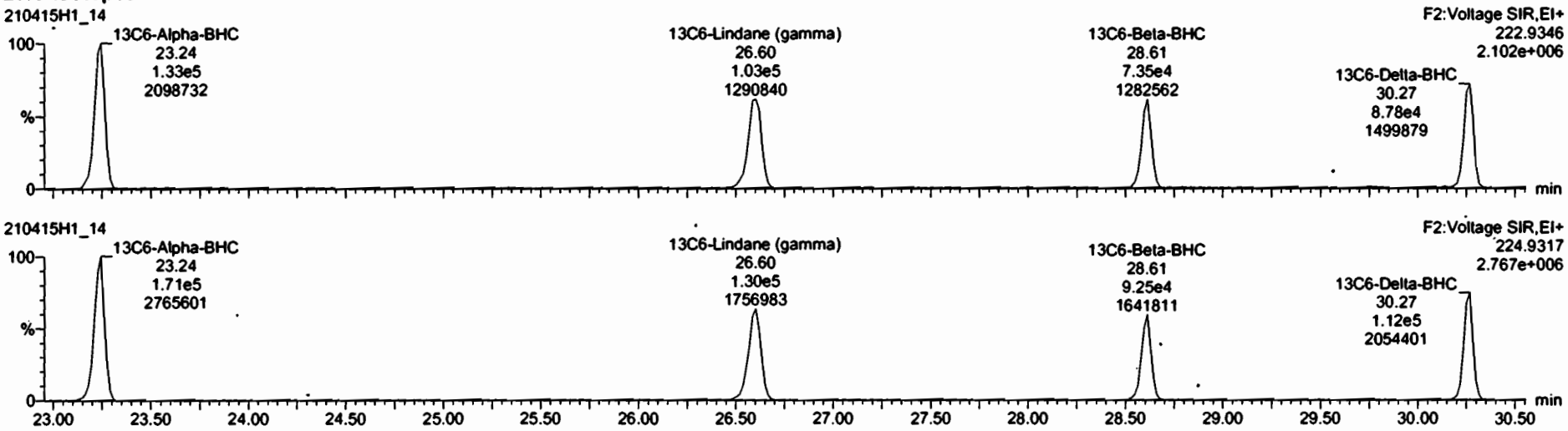
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_14, Date: 15-Apr-2021, Time: 20:07:28, ID: 2103216-03RE1 USMPDI-058RAB-20-26.2-210317 1.56, Description: USMPDI-058RAB-20-26.2-210317

BHC Totals



BHC-isotopes

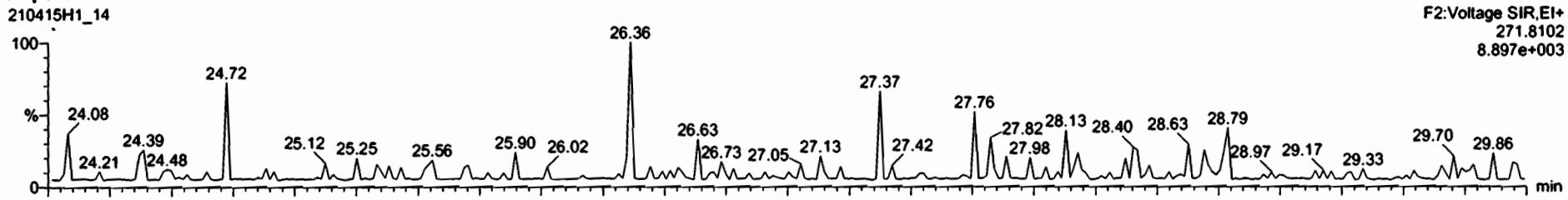


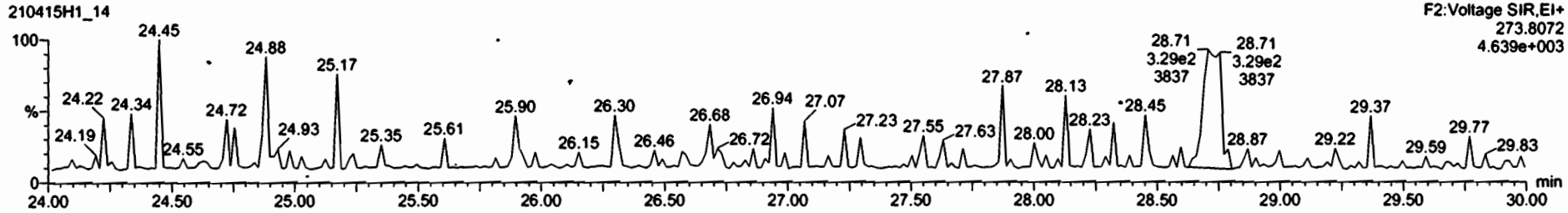
Dataset: Untitled

Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

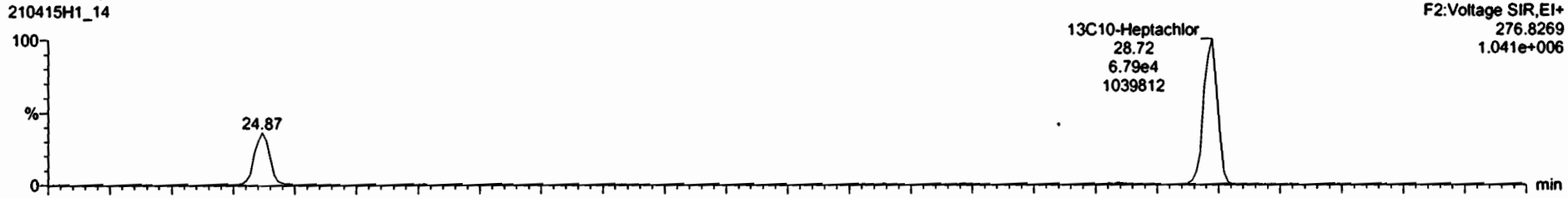
Name: 210415H1_14, Date: 15-Apr-2021, Time: 20:07:28, ID: 2103216-03RE1 USMPDI-058RAB-20-26.2-210317 1.56, Description: USMPDI-058RAB-20-26.2-210317

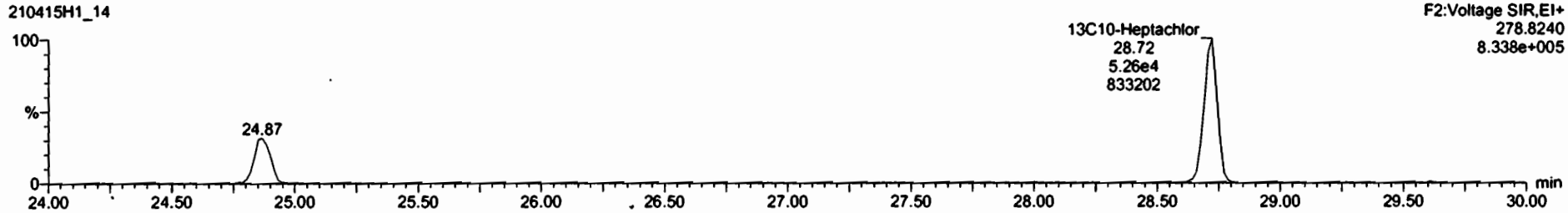
Heptachlor





13C10-Heptachlor



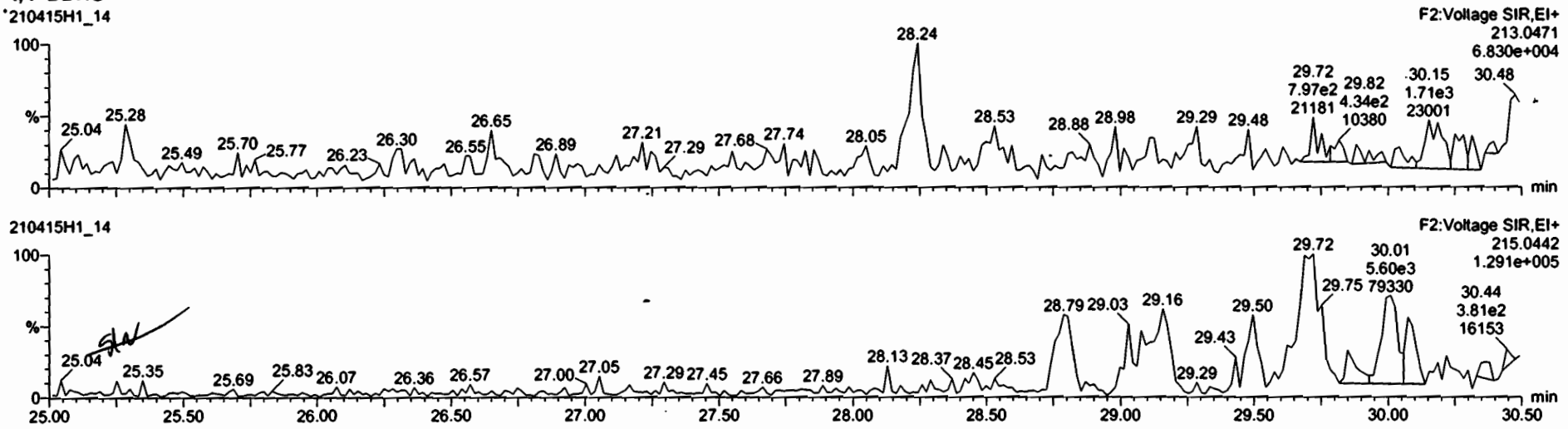


Dataset: Untitled

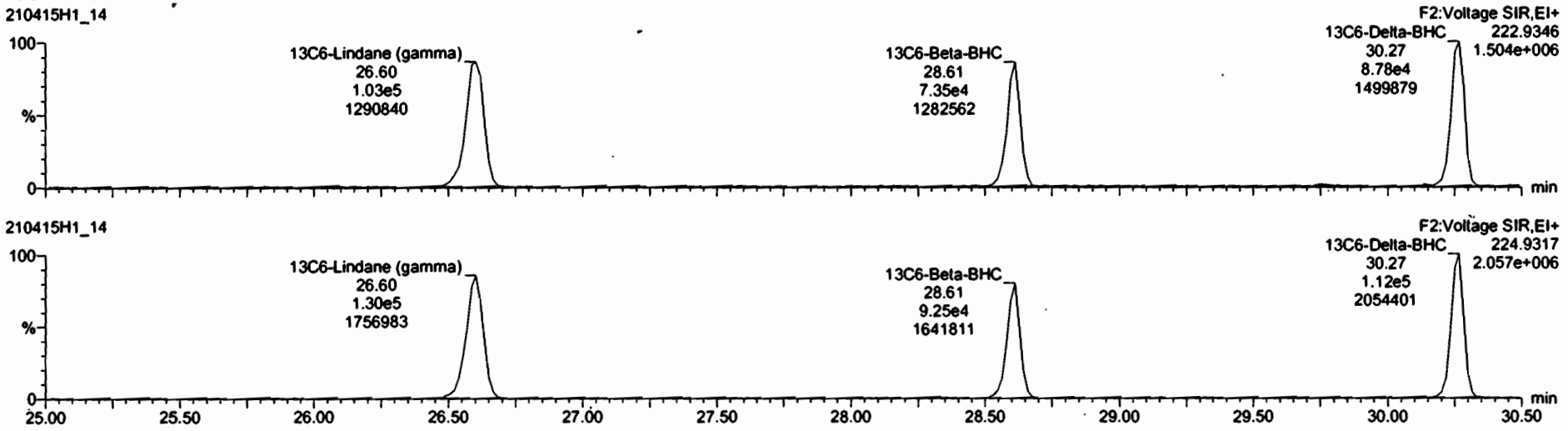
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_14, Date: 15-Apr-2021, Time: 20:07:28, ID: 2103216-03RE1 USMPDI-058RAB-20-26.2-210317 1.56, Description: USMPDI-058RAB-20-26.2-210317

4,4'-DDNU



13C6-Delta-BHC

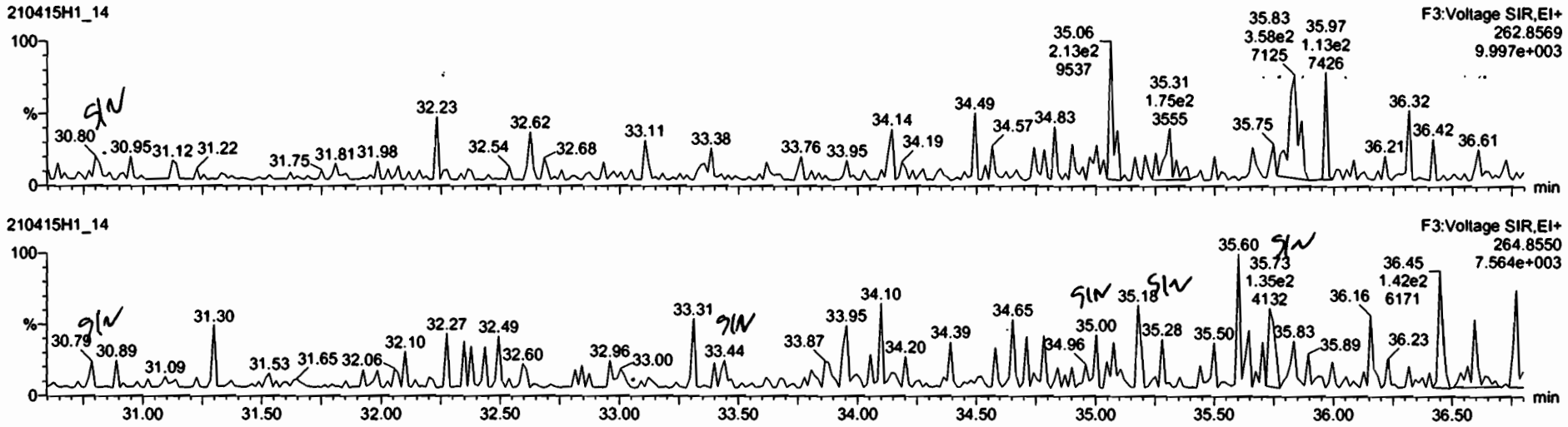


Dataset: Untitled

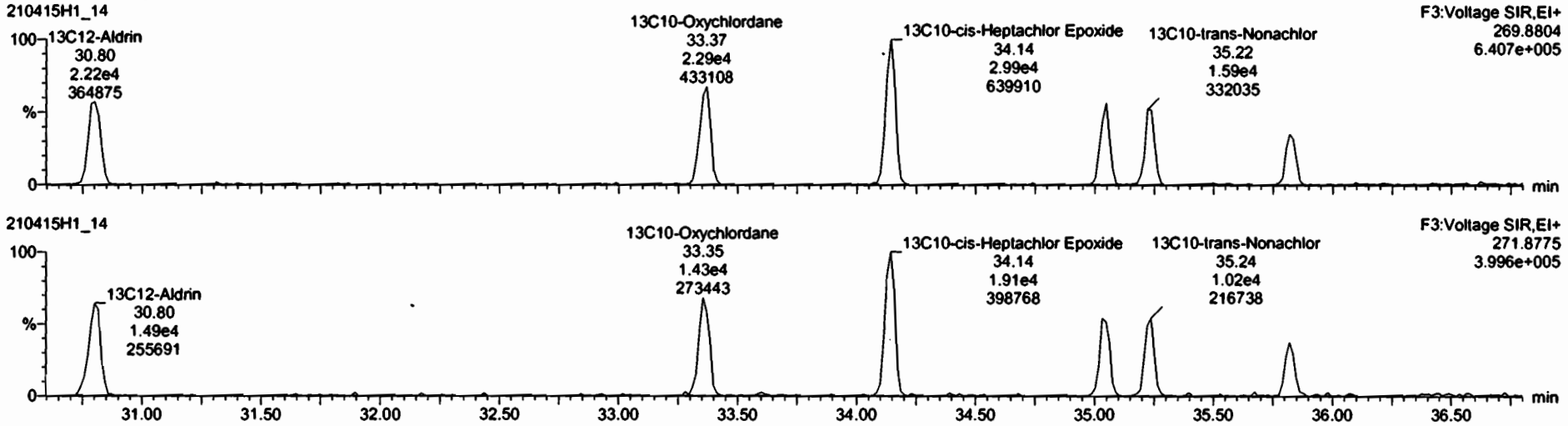
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_14, Date: 15-Apr-2021, Time: 20:07:28, ID: 2103216-03RE1 USMPDI-058RAB-20-26.2-210317 1.56, Description: USMPDI-058RAB-20-26.2-210317

Aldrin-EI



Aldrin-EI-isotopes

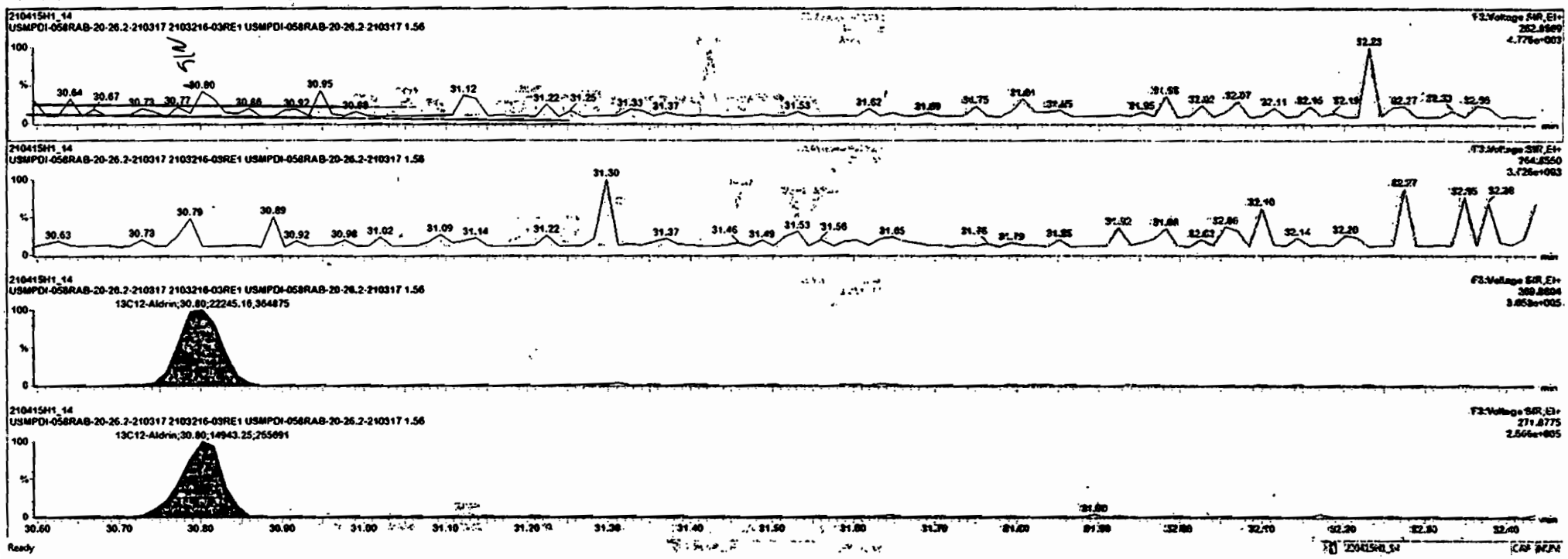


TargetLynx - 210415H1_14.qld - [Chromatogram]

File Edit View Display Processing Window Help

210415H1_14 - 2103216-03RE1 USMPDI-058RAB-20-26.2-210317 1.56 - USMPDI-058RAB-20-26.2-210317

	#	Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EUPC
1	1	Hexachlorobutadiene	1.46e4	1.40e6	0.29	YES	0.10	1.0970	9.98	9.99	1.001	1.002	NO	945.3		2.27	378
2	2	Hexachlorobenzene	5.57e3	9.72e5	1.19	NO	0.98	1.0970	22.72	22.72	1.001	1.000	NO	5.314		0.0542	5.31
3	3	Alpha-BHC	2.74e2	3.04e5	1.11	YES	0.83	1.0970	23.23	23.28	0.999	1.001	NO	0.9941		1.60	0.776
4	4	Lindane (gamma-BHC)		2.33e5		NO	0.86	1.0970		26.61		1.000	YES			2.54	
5	5	Beta-BHC		1.86e5		NO	1.00	1.0970		28.64		1.001	YES			2.21	
6	6	Delta-BHC		2.00e5		NO	0.91	1.0970		30.30		1.001	YES			2.06	
7	7	Heptachlor		1.20e5		NO	1.10	1.0970		28.75		1.001	YES			1.36	
8	8	4,4'-DDNU	3.27e3	2.00e5	0.20	YES	1.25	1.0970	30.04	30.21	0.993	0.998	NO	11.93		5.21	2.60
9	9	Aldrin		3.72e4		NO	1.09	1.0970		30.80		1.001	YES			5.69	
10	10	Oxychlordane		3.73e4		NO	1.05	1.0970		33.40		1.001	YES			5.07	
11	11	cis-Heptachlor Epoxide		4.90e4		NO	1.08	1.0970		34.18		1.001	YES			3.36	
12	12	trans-Heptachlor Epoxide		4.90e4		NO	0.25	1.0970		34.69		1.016	YES			12.4	
13	13	trans-Chlordane (gamma)		2.70e4		NO	1.14	1.0970		35.08		1.001	YES			5.58	
14	14	trans-Nonachlor		2.61e4		NO	1.08	1.0970		35.22		1.000	YES			6.57	

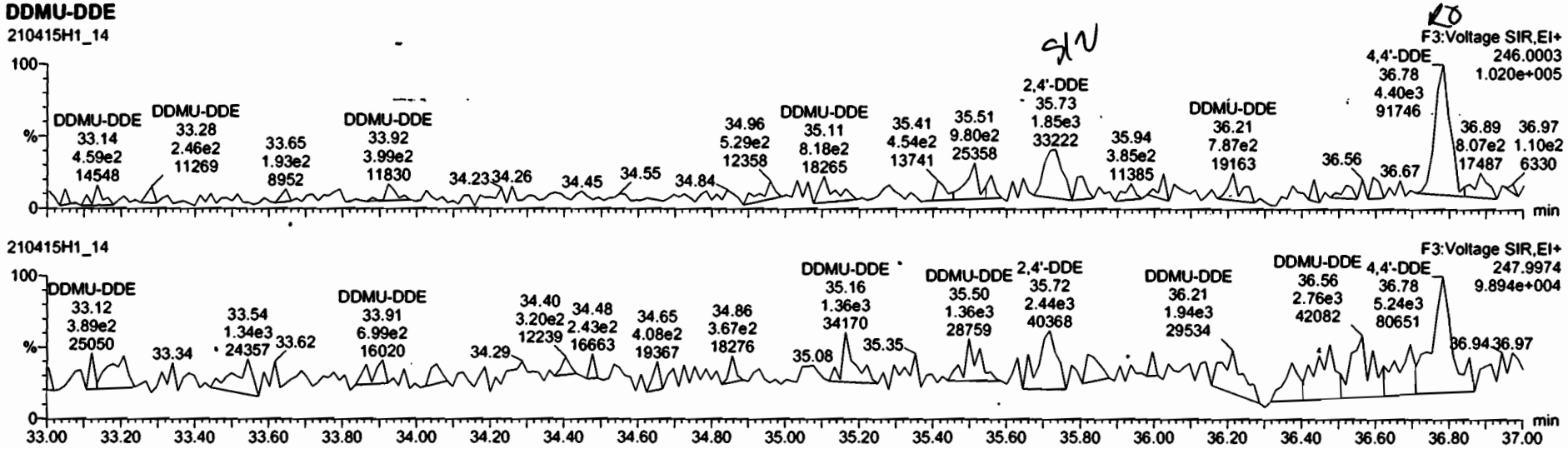


Dataset: Untitled

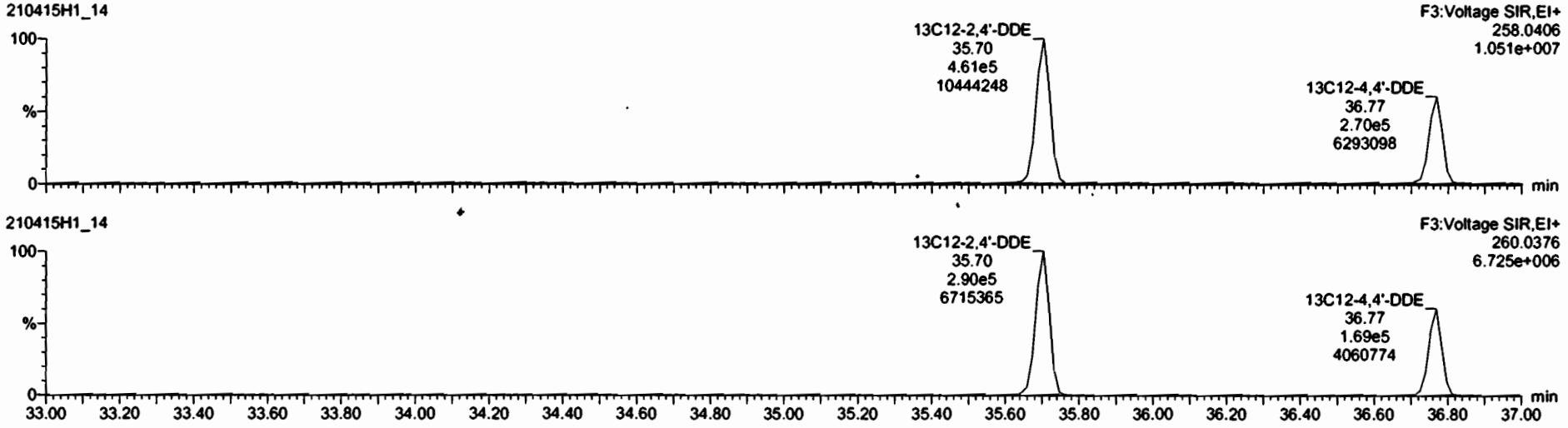
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_14, Date: 15-Apr-2021, Time: 20:07:28, ID: 2103216-03RE1 USMPDI-058RAB-20-26.2-210317 1.56, Description: USMPDI-058RAB-20-26.2-210317

DDMU-DDE



DDE-isotopes

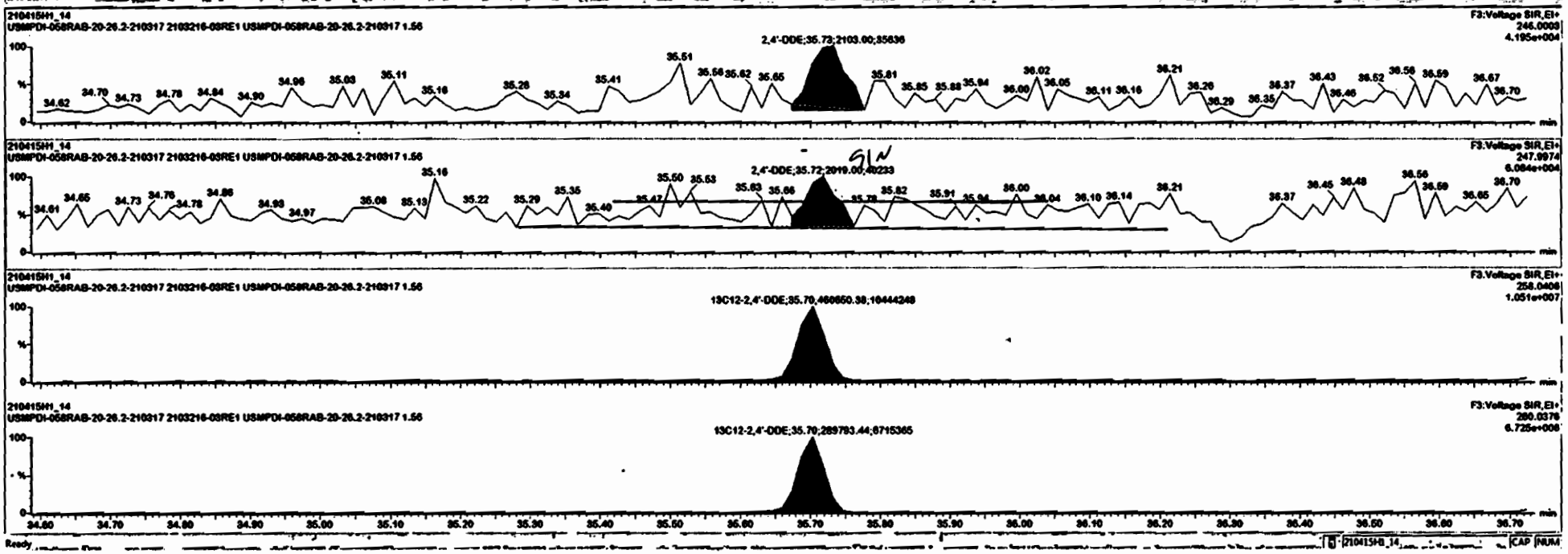


TargetLynx - 210415H1_14 Chromatogram

File Edit View Display Processing Window Help

210415H1_14 2103216-03RE1 USMPDI-058RAB-20-26.2-210317 1.56 - USMPDI-058RAB-20-26.2-210317

	#	Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred.RT	RRT	Pred.RRT	Check RRT	Conc	%Rec	DL	EMPC
6	6	Delta-BHC		2.00e5		NO	0.91	1.0970		30.30		1.001	YES			2.06	
7	7	Heptachlor		1.20e5		NO	1.10	1.0970		28.75		1.001	YES			1.36	
8	8	4,4'-DDMU	4.44e3	2.00e5	0.62	YES	1.25	1.0970	30.15	30.21	0.998	0.998	NO	16.18		5.21	8.20
9	9	Aldrin		3.72e4		NO	1.09	1.0970		30.83		1.001	YES			5.69	
10	10	Oxychlordane		3.73e4		NO	1.06	1.0970		33.40		1.001	YES			5.07	
11	11	cis-Heptachlor Epoxide		4.90e4		NO	1.06	1.0970		34.18		1.001	YES			3.36	
12	12	trans-Heptachlor Epoxide		4.90e4		NO	0.29	1.0970		34.68		1.016	YES			12.4	
13	13	trans-Chlordane (gamma)		2.70e4		NO	1.14	1.0970		35.08		1.001	YES			5.58	
14	14	trans-Nonachlor		2.61e4		NO	1.06	1.0970		35.22		1.000	YES			6.57	
15	15	cis-Chlordane		2.61e4		NO	1.16	1.0970		35.77		1.016	YES			5.98	
16	16	Endosulfan I (alpha)		1.83e4		NO	1.23	1.0970		35.85		1.001	YES			8.37	
17	17	4,4'-DDMU	7.04e3	7.50e5	2.30	YES		1.0970	35.50	35.49	0.994	0.994	NO	20.87		5.25	19.2
18	18	2,4'-DDE	4.12e3	7.50e5	1.04	YES	1.02	1.0970	35.73	35.70	1.001	1.000	NO	4.887		1.88	4.09
19	19	4,4'-DDE	7.72e3	4.39e5	1.16	YES	1.04	1.0970	36.78	36.77	1.000	1.000	NO	15.45		3.05	13.6



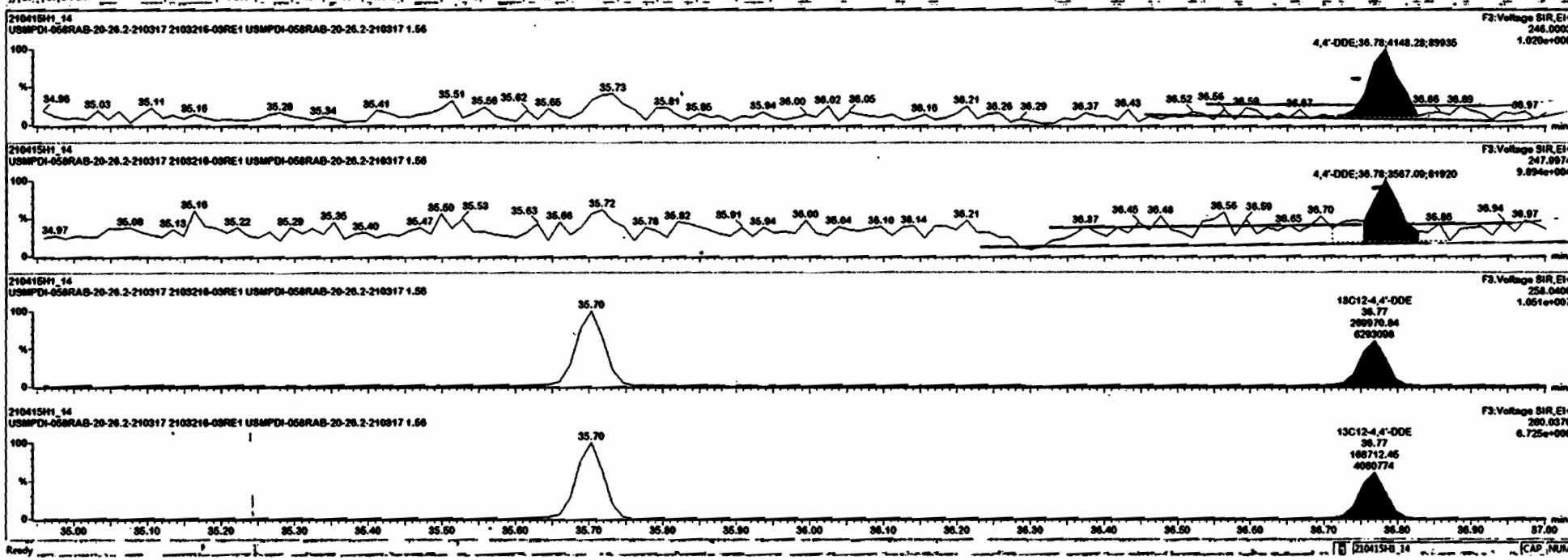
Ready 210415H1_14 CAP NUM

TargetLynx - 210415H1_14 - Chromatograph

File Edit View Display Processing Window Help

210415H1_14 2103216-03RE1 USMPDI-058RAB-20-26.2-210317 1.56 - USMPDI-058RAB-20-26.2-210317

	#	Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
7	7	Heptachlor		1.20e5		NO	1.10	1.0970		28.75		1.001	YES			1.36	
8	8	4,4'-DDMU	4.44e3	2.08e5	0.62	YES	1.25	1.0970	30.15	30.21	0.996	0.998	NO	16.18		5.21	8.20
9	9	Aldrin		3.72e4		NO	1.09	1.0970		30.83		1.001	YES			5.69	
10	10	Oxychlordane		3.73e4		NO	1.08	1.0970		33.40		1.001	YES			5.07	
11	11	cis-Heptachlor Epoxide		4.98e4		NO	1.08	1.0970		34.18		1.001	YES			3.36	
12	12	trans-Heptachlor Epoxide		4.98e4		NO	0.29	1.0970		34.68		1.016	YES			12.4	
13	13	trans-Chlordane (gamma)		2.70e4		NO	1.14	1.0970		35.08		1.001	YES			5.58	
14	14	trans-Nonachlor		2.61e4		NO	1.08	1.0970		35.22		1.000	YES			6.57	
15	15	cis-Chlordane		2.61e4		NO	1.16	1.0970		35.77		1.016	YES			5.98	
16	16	Endosulfan I (alpha)		1.83e4		NO	1.23	1.0970		35.85		1.001	YES			8.37	
17	17	4,4'-DDMU	7.04e3	7.50e5	2.30	YES		1.0970	35.50	35.49	0.994	0.994	NO	20.87		5.25	19.2
18	18	2,4'-DDE	4.12e3	7.50e5	1.04	YES	1.02	1.0970	35.73	35.70	1.001	1.000	NO	4.887		1.86	4.09
19	19	4,4'-DDE	7.72e3	4.38e5	1.16	YES	1.04	1.0970	36.78	36.77	1.000	1.000	NO	15.45		3.05	13.6
20	20	Dieldrin		5.28e4		NO	1.03	1.0970		37.32		1.001	YES			7.50	



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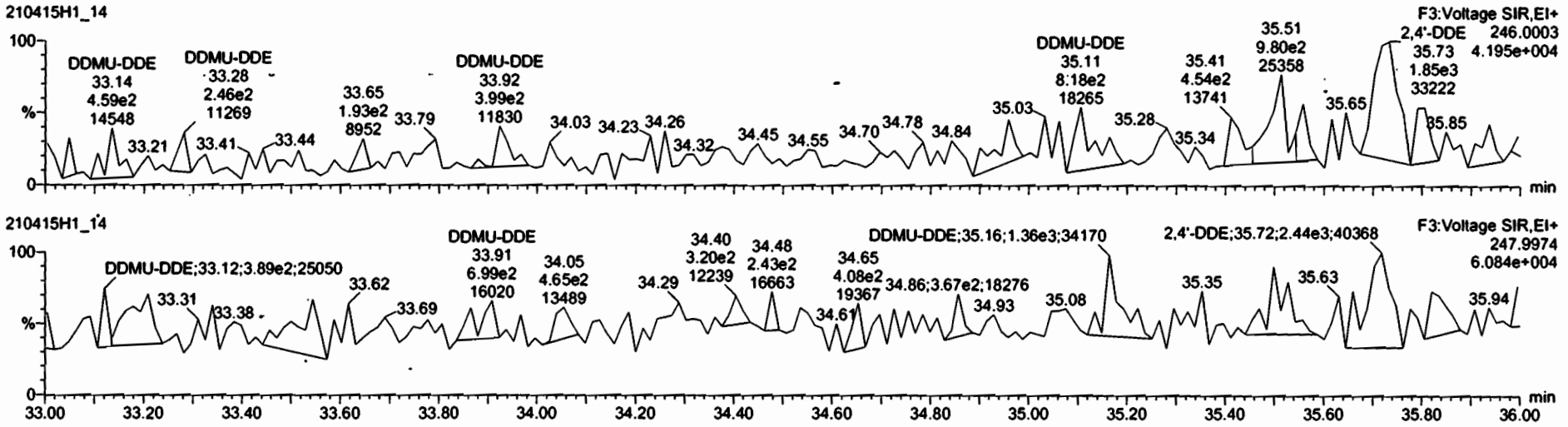
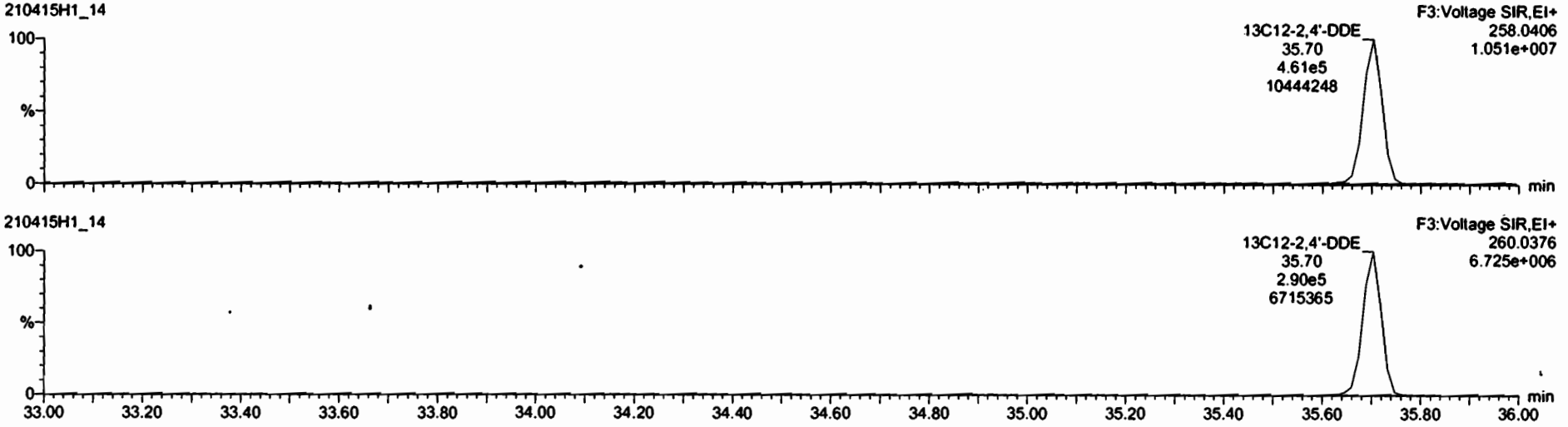
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_14, Date: 15-Apr-2021, Time: 20:07:28, ID: 2103216-03RE1 USMPDI-058RAB-20-26.2-210317 1.56, Description: USMPDI-058RAB-20-26.2-210317

2,4'-DDE



13C12-2,4'-DDE



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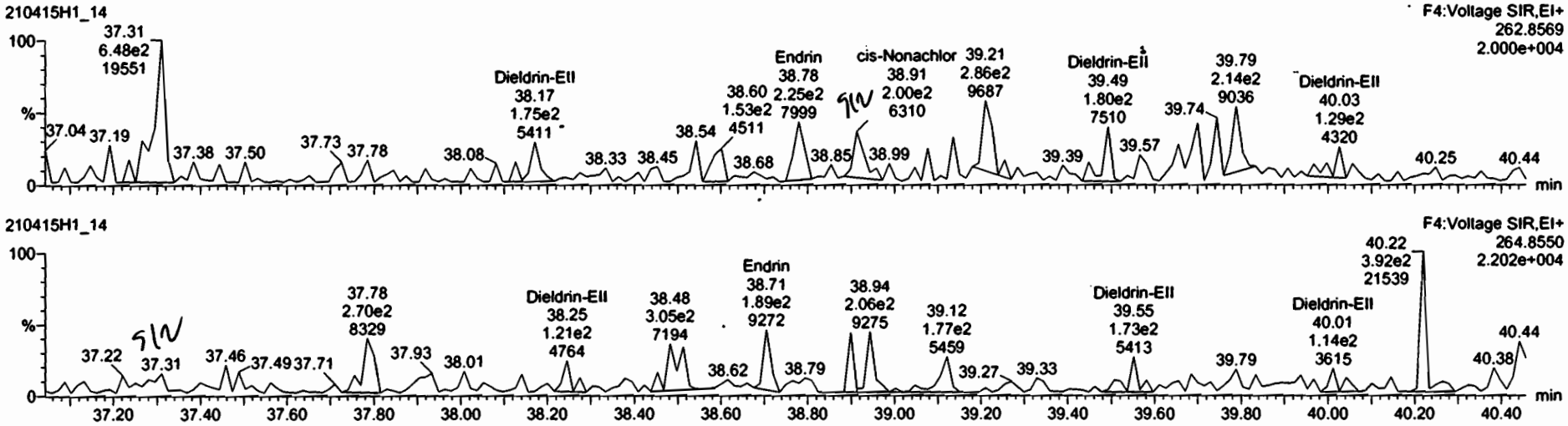
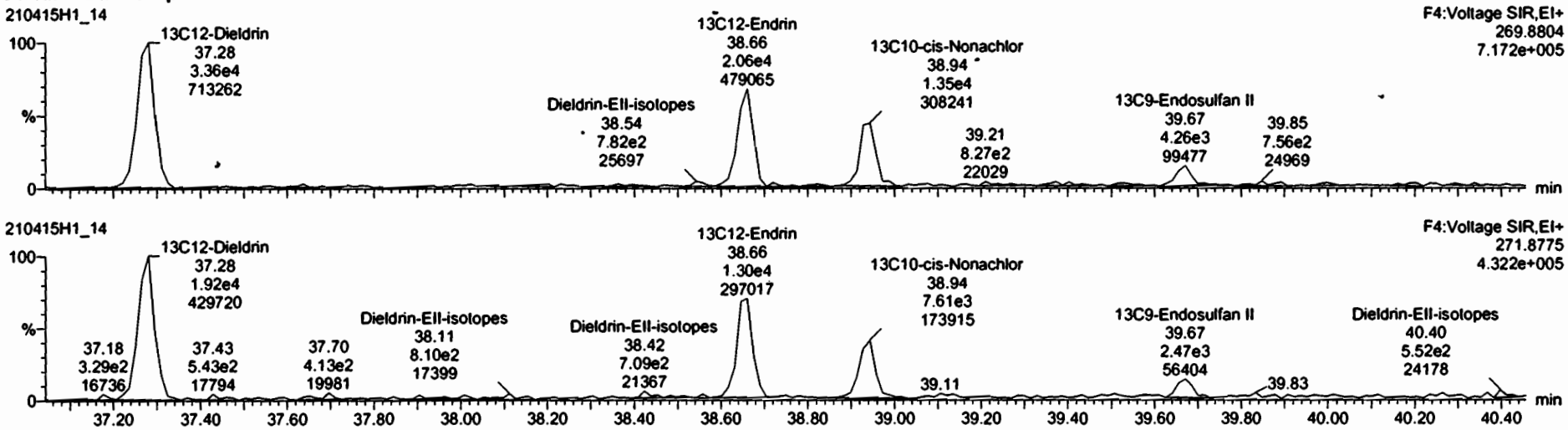
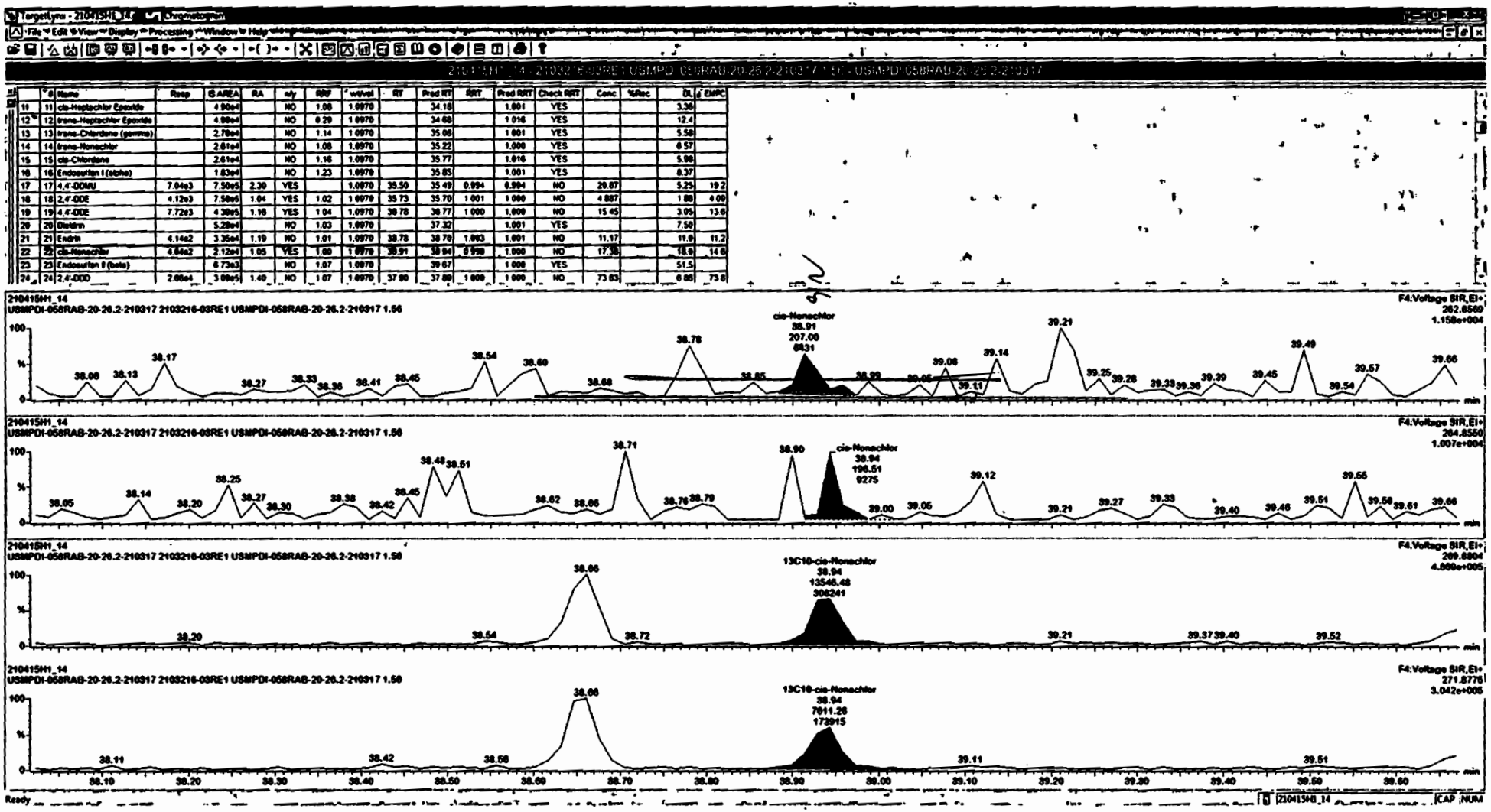
Name: 210415H1_14, Date: 15-Apr-2021, Time: 20:07:28, ID: 2103216-03RE1 USMPDI-058RAB-20-26.2-210317 1.56, Description: USMPDI-058RAB-20-26.2-210317

Dieldrin-EII



Dieldrin-EII-isotopes

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Chromatogram
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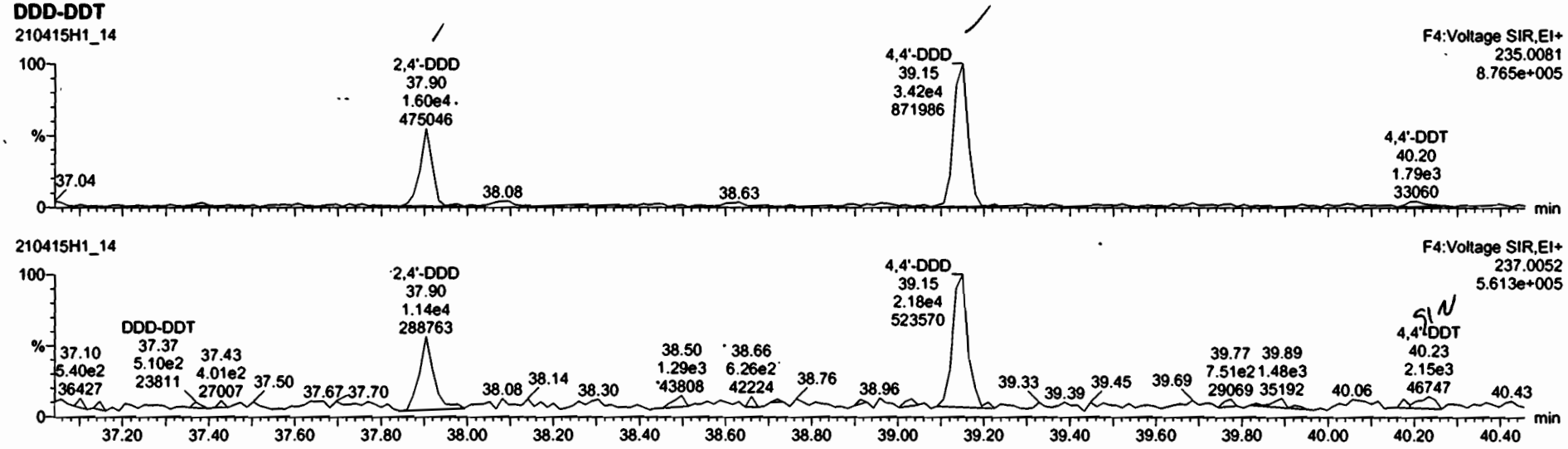
CAP NUM

Dataset: Untitled

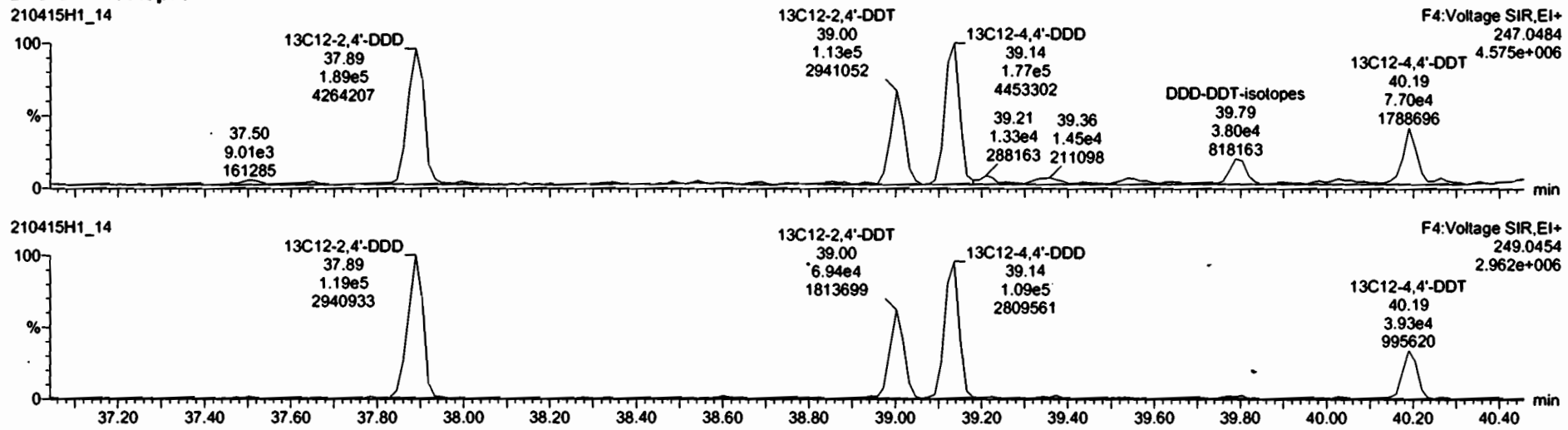
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

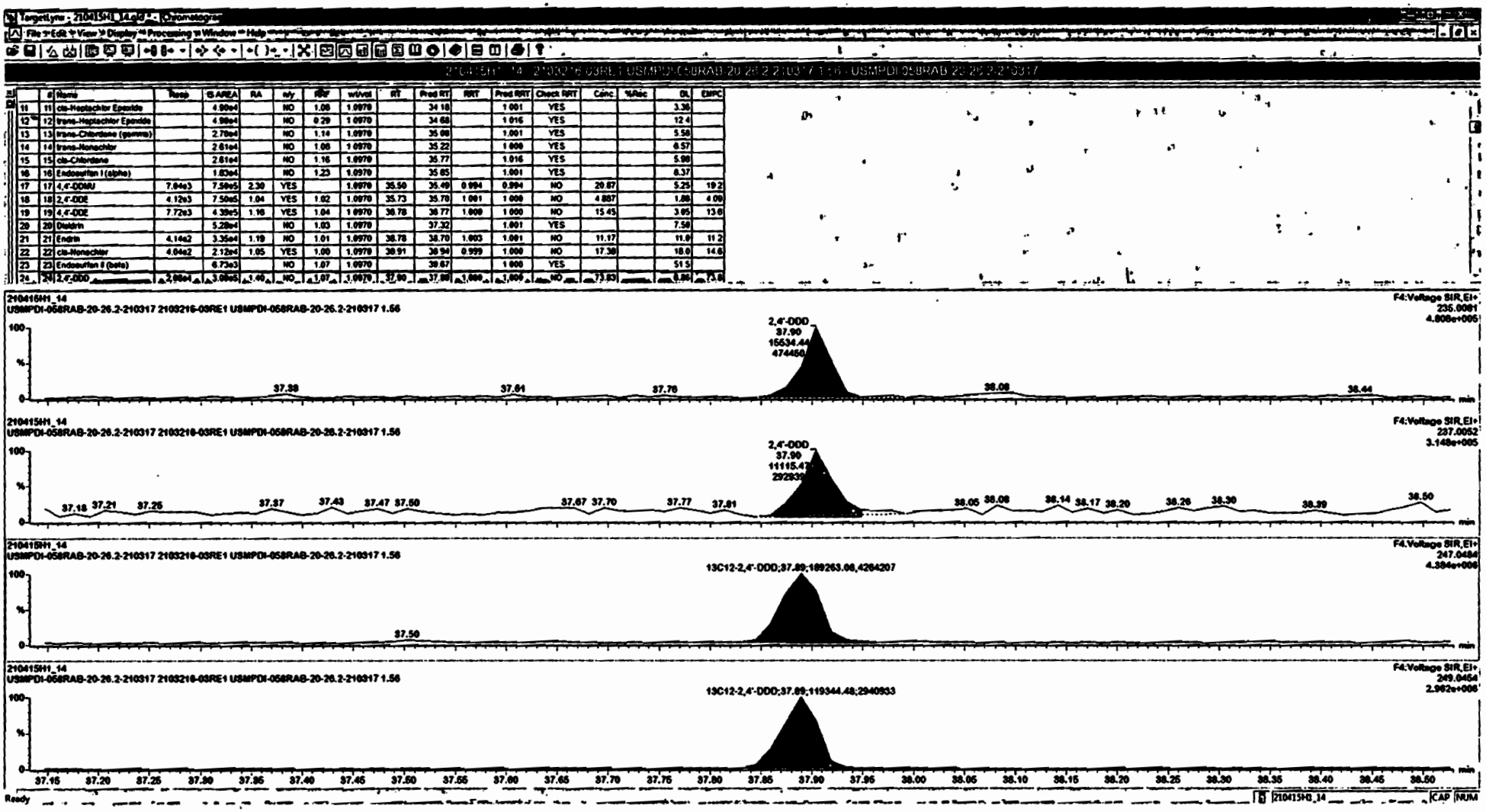
Name: 210415H1_14, Date: 15-Apr-2021, Time: 20:07:28, ID: 2103216-03RE1 USMPDI-058RAB-20-26.2-210317 1.56, Description: USMPDI-058RAB-20-26.2-210317

DDD-DDT

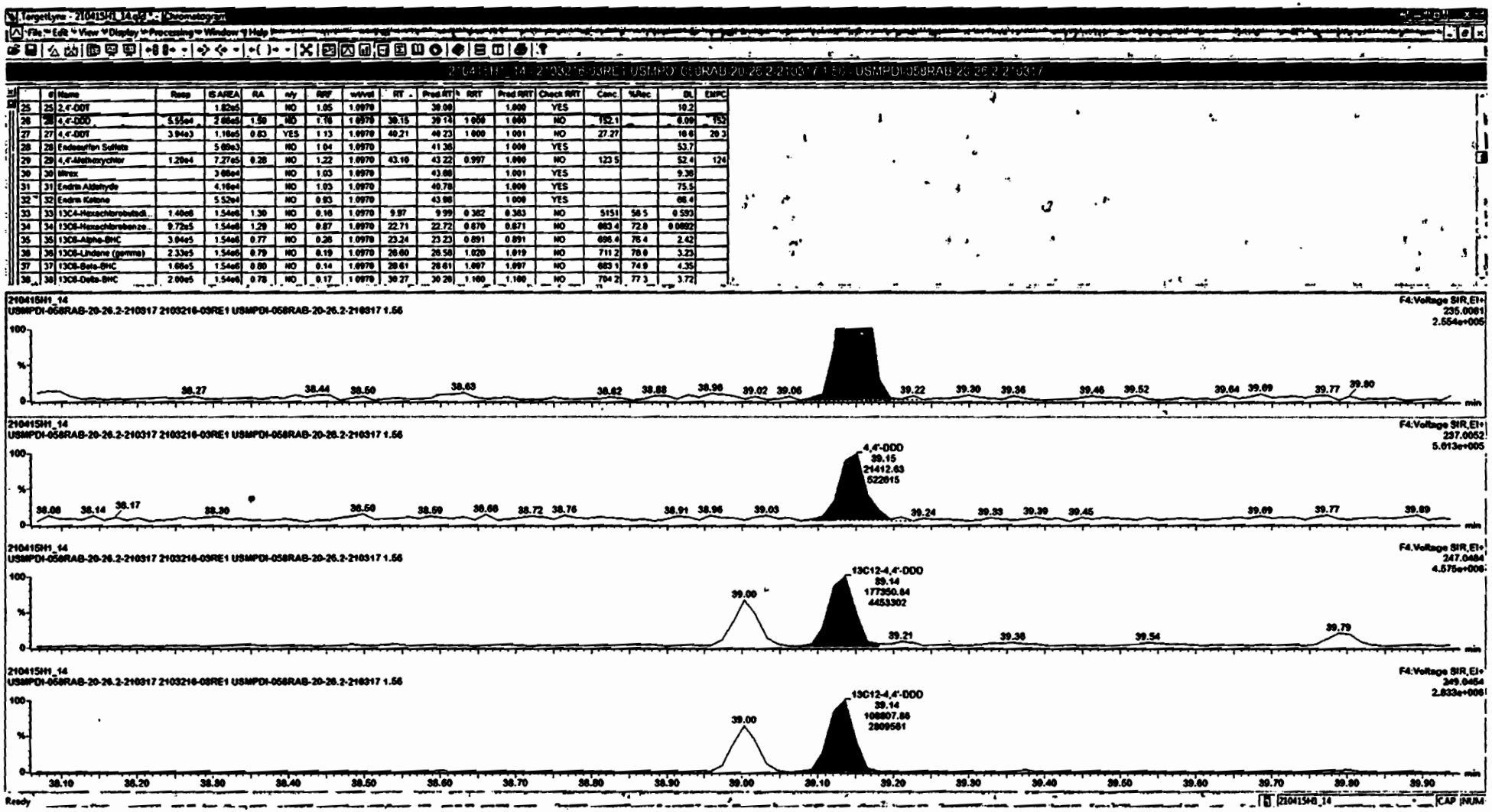


DDD-DDT-isotopes





	#	Name	Resp	S AREA	RA	e/y	RRF	w/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
11	11	cis-Heptachlor Epoxide		4.90e4		NO	1.08	1.0970		34.18		1.001	YES			3.36	
12	12	trans-Heptachlor Epoxide		4.90e4		NO	0.29	1.0970		34.68		1.016	YES			12.4	
13	13	trans-Chlordane (gamma)		2.78e4		NO	1.14	1.0970		35.08		1.001	YES			5.56	
14	14	trans-Nonachlor		2.61e4		NO	1.08	1.0970		35.22		1.000	YES			6.57	
15	15	cis-Chlordane		2.61e4		NO	1.16	1.0970		35.77		1.016	YES			5.98	
16	16	Endosulfan I (alpha)		1.83e4		NO	1.23	1.0970		35.85		1.001	YES			8.37	
17	17	4,4'-DDMU	7.84e3	7.56e5	2.30	YES		1.0970	35.50	35.49	0.994	0.994	NO	20.87		5.25	19.2
18	18	2,4'-DDE	4.12e3	7.50e5	1.04	YES	1.02	1.0970	35.73	35.78	1.001	1.000	NO	4.887		1.88	4.09
19	19	4,4'-DDE	7.72e3	4.39e5	1.16	YES	1.04	1.0970	36.78	36.77	1.000	1.000	NO	15.45		3.95	13.6
20	20	Dieldrin		5.28e4		NO	1.03	1.0970		37.32		1.001	YES			7.56	
21	21	Endrin	4.14e2	3.35e4	1.19	NO	1.01	1.0970	38.78	38.70	1.003	1.001	NO	11.17		11.9	11.2
22	22	cis-Nonachlor	4.04e2	2.12e4	1.05	YES	1.00	1.0970	38.91	38.94	0.999	1.000	NO	17.38		18.0	14.6
23	23	Endosulfan II (beta)		6.73e3		NO	1.07	1.0970		39.67		1.000	YES			51.5	
24	24	2,4'-DDD	2.86e4	3.08e5	1.40	NO	1.07	1.0970	37.90	37.90	1.000	1.000	NO	73.83		8.86	73.8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Name Resp IS AREA RA rdy RRF wt/vol RT Prod RT RRT Prod RRT Check RRT Conc %Rec DL EMPC
25 2,4'-DDT 1.82e5 NO 1.05 1.0970 38.98 1.000 YES 10.2
26 4,4'-DDD 5.55e4 2.66e5 1.50 NO 1.16 1.0970 39.15 39.14 1.004 1.000 NO 152.1 8.09 153
27 4,4'-DDT 3.94e3 1.16e5 0.83 YES 1.13 1.0970 40.21 40.23 1.000 1.001 NO 27.27 10.6 20.3
28 Endosulfan Sulfate 5.69e3 1.000 YES 41.36 53.7
29 4,4'-Methoxychlor 1.20e4 7.27e5 0.28 NO 1.22 1.0970 43.10 43.22 0.997 1.000 NO 123.5 52.4 124
30 Mirex 3.66e4 NO 1.03 1.0970 43.88 1.001 YES 9.38
31 Endrin Aldehyde 4.16e4 NO 1.03 1.0970 40.78 1.000 YES 75.5
32 Endrin Ketone 5.52e4 NO 0.93 1.0970 43.88 1.000 YES 66.4
33 13C4-Hexachlorobutadi... 1.40e6 1.54e6 1.30 NO 0.16 1.0970 9.97 9.99 0.362 0.363 NO 5151 56.5 0.593
34 13C6-Hexachlorobenze... 9.72e5 1.54e6 1.29 NO 0.87 1.0970 22.71 22.72 0.870 0.871 NO 663.4 72.8 0.0892
35 13C6-Alpha-BHC 3.04e5 1.54e6 0.77 NO 0.26 1.0970 23.24 23.23 0.891 0.891 NO 696.4 76.4 2.42
36 13C6-Lindane (gamma) 2.33e5 1.54e6 0.79 NO 0.19 1.0970 26.60 26.58 1.020 1.019 NO 711.2 78.0 3.23
37 13C6-Beta-BHC 1.66e5 1.54e6 0.80 NO 0.14 1.0970 28.61 28.61 1.097 1.097 NO 683.1 74.9 4.35
38 13C6-Delta-BHC 2.00e5 1.54e6 0.78 NO 0.17 1.0970 30.27 30.28 1.160 1.160 NO 704.2 77.3 3.72
210415H1_14
USMPDI-058RAB-20-26.2-210317 2103216-03RE1 USMPDI-058RAB-20-26.2-210317 1.56
F4:Voltage SIR,EI+
235.0061
2.554e+005
38.27 38.44 38.50 38.63 38.82 38.88 38.96 39.02 39.06 39.22 39.30 39.36 39.46 39.52 39.64 39.69 39.77 39.80
210415H1_14
USMPDI-058RAB-20-26.2-210317 2103216-03RE1 USMPDI-058RAB-20-26.2-210317 1.56
F4:Voltage SIR,EI+
237.0052
5.613e+005
4,4'-DDD
39.15
21412.63
522615
38.08 38.14 38.17 38.30 38.50 38.59 38.66 38.72 38.76 38.91 38.96 39.03 39.24 39.33 39.39 39.45 39.69 39.77 39.89
210415H1_14
USMPDI-058RAB-20-26.2-210317 2103216-03RE1 USMPDI-058RAB-20-26.2-210317 1.56
F4:Voltage SIR,EI+
247.0484
4.575e+006
13C12-4,4'-DDD
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177350.84
4453302
39.00 39.21 39.36 39.54 39.79
210415H1_14
USMPDI-058RAB-20-26.2-210317 2103216-03RE1 USMPDI-058RAB-20-26.2-210317 1.56
F4:Voltage SIR,EI+
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39.00
38.10 38.20 38.30 38.40 38.50 38.60 38.70 38.80 38.90 39.00 39.10 39.20 39.30 39.40 39.50 39.60 39.70 39.80 39.90
Ready
210415H1_14
CAP NUM

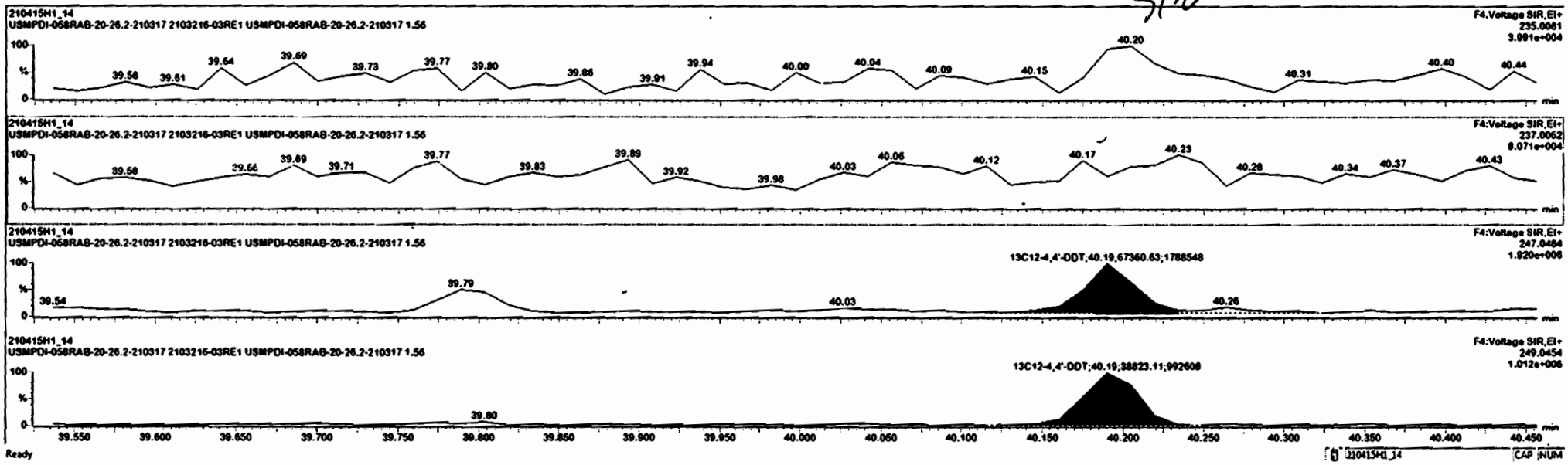
TargetLynx : 210415H1_14.qld : [Chromatogram]

File Edit View Display Processing Window Help

210415H1_14 2103216-03RE1 USMPDI-058RAB-20-26.2-210317 1.56 - USMPDI-058RAB-20-26.2-210317

	#	Name	Resp	B AREA	RA	n/y	RRF	wt/vol	RT	Prod.RT	RRT	Prod RRT	Check RRT	Conc	%Rec	DL	EMPC
23	23	Endosulfan II(beta)		6.73e3		NO	1.07	1.0970		39.67		1.000	YES			51.5	
24	24	2,4'-DDD	2.66e4	3.09e5	1.40	NO	1.07	1.0970	37.80	37.89	1.000	1.000	NO	73.83		6.86	73.8
25	25	2,4'-DDT		1.62e5		NO	1.05	1.0970		39.00		1.000	YES			10.2	
26	26	4,4'-DDD	5.55e4	2.66e5	1.55	NO	1.16	1.0970	39.15	39.14	1.000	1.000	NO	152.1		6.09	152
27	27	4,4'-DDT		1.06e5		NO	1.13	1.0970		40.23		1.001	YES			15.9	
28	28	Endosulfan Sulfate		5.95e3		NO	1.04	1.0970		41.38		1.000	YES			53.7	
29	29	4,4'-Methoxychlor	1.20e4	7.27e5	0.25	NO	1.22	1.0970	43.10	43.22	0.997	1.000	NO	123.5		52.4	124
30	30	Mirex		3.86e4		NO	1.03	1.0970		43.68		1.001	YES			9.36	
31	31	Endrin Aldehyde		4.16e4		NO	1.03	1.0970		40.78		1.000	YES			75.5	
32	32	Endrin Ketone		5.52e4		NO	0.93	1.0970		43.56		1.000	YES			58.4	
33	33	13C4-Hexachlorobutadi...	1.40e5	1.54e6	1.30	NO	0.16	1.0970	9.97	9.99	0.382	0.383	NO	5151	56.5	0.593	
34	34	13C6-Hexachlorobenze...	9.72e5	1.54e6	1.29	NO	0.87	1.0970	22.71	22.72	0.870	0.871	NO	663.4	72.8	0.0892	
35	35	13C6-Alpha-BHC	3.04e5	1.54e6	0.77	NO	0.26	1.0970	23.24	23.23	0.891	0.891	NO	696.4	76.4	2.42	
36	36	13C6-Lindane (gamma)	2.33e5	1.54e6	0.75	NO	0.19	1.0970	26.60	26.58	1.020	1.019	NO	711.2	78.0	3.23	
37	37	13C6-Beta-BHC	1.86e5	1.54e6	0.80	NO	0.14	1.0970	28.61	28.61	1.097	1.097	NO	683.1	74.9	4.35	
38	38	13C6-Delta-BHC	2.06e5	1.54e6	0.78	NO	0.17	1.0970	30.27	30.26	1.160	1.160	NO	704.2	77.3	3.72	
39	39	13C10-Heptachlor	1.20e5	1.54e6	1.29	NO	0.15	1.0970	28.72	28.74	1.101	1.102	NO	480.4	52.7	1.16	
40	40	13C12-Aldrin	3.72e4	1.54e6	1.45	NO	0.15	1.0970	30.85	30.82	1.181	1.181	NO	142.8	15.7	3.05	
41	41	13C10-Oxychlordane	3.73e4	1.54e6	1.60	NO	0.04	1.0970	33.37	33.38	1.279	1.280	NO	545.7	59.9	11.6	
42	42	13C10-cis-Heptachlor E...	4.90e4	1.54e6	1.56	NO	0.05	1.0970	34.14	34.17	1.309	1.310	NO	587.8	64.5	9.52	

SIN



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210415H1_14 CAP NUM

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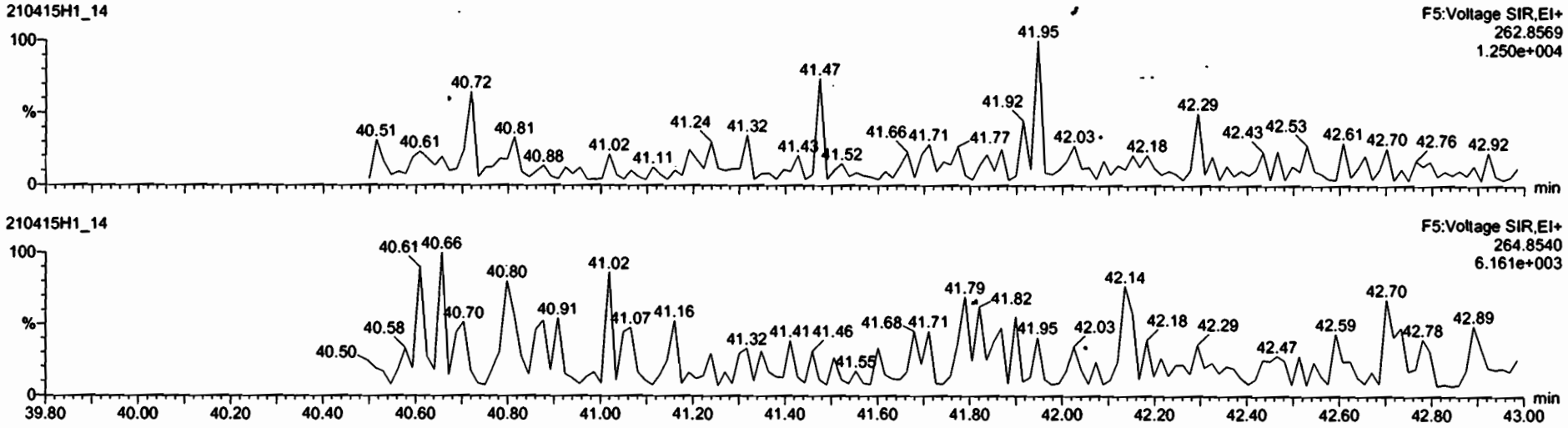
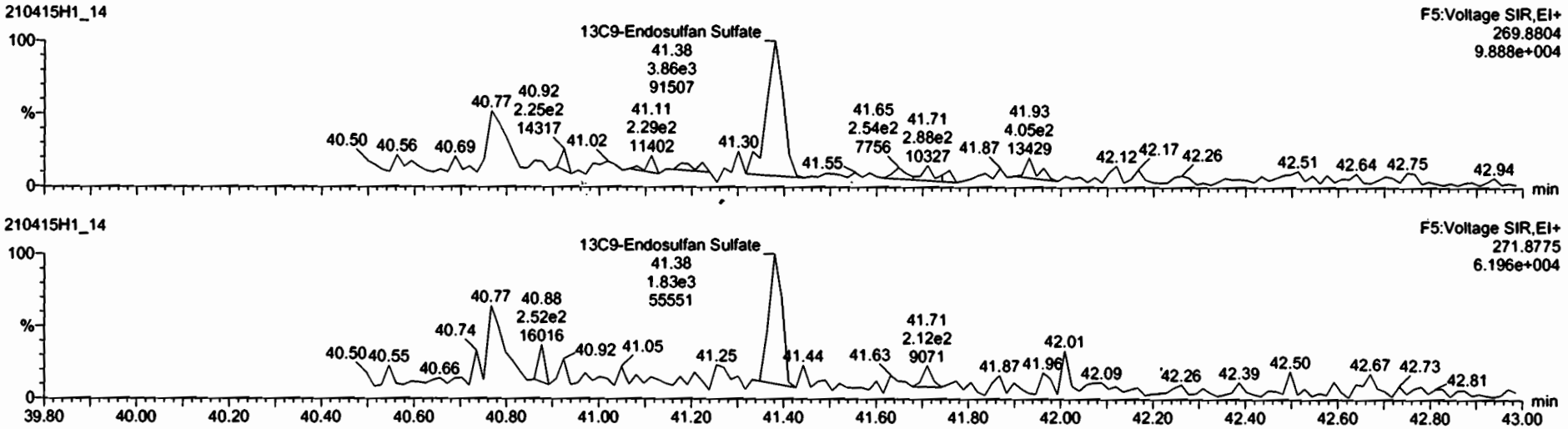
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_14, Date: 15-Apr-2021, Time: 20:07:28, ID: 2103216-03RE1 USMPDI-058RAB-20-26.2-210317 1.56, Description: USMPDI-058RAB-20-26.2-210317

Endosulfan Sulfate



13C9-Endosulfan Sulfate



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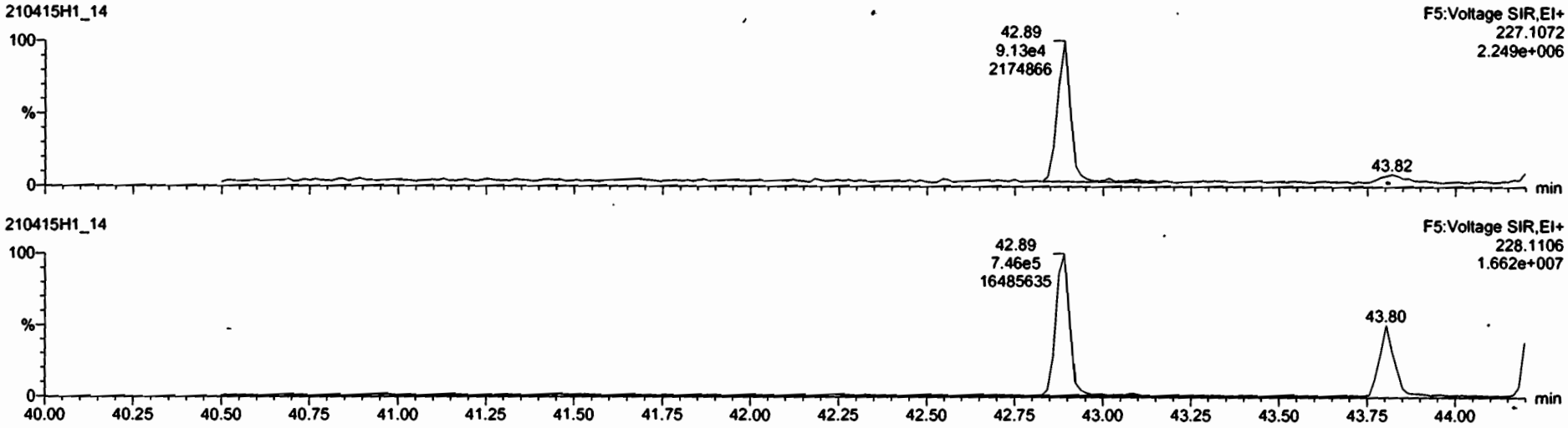
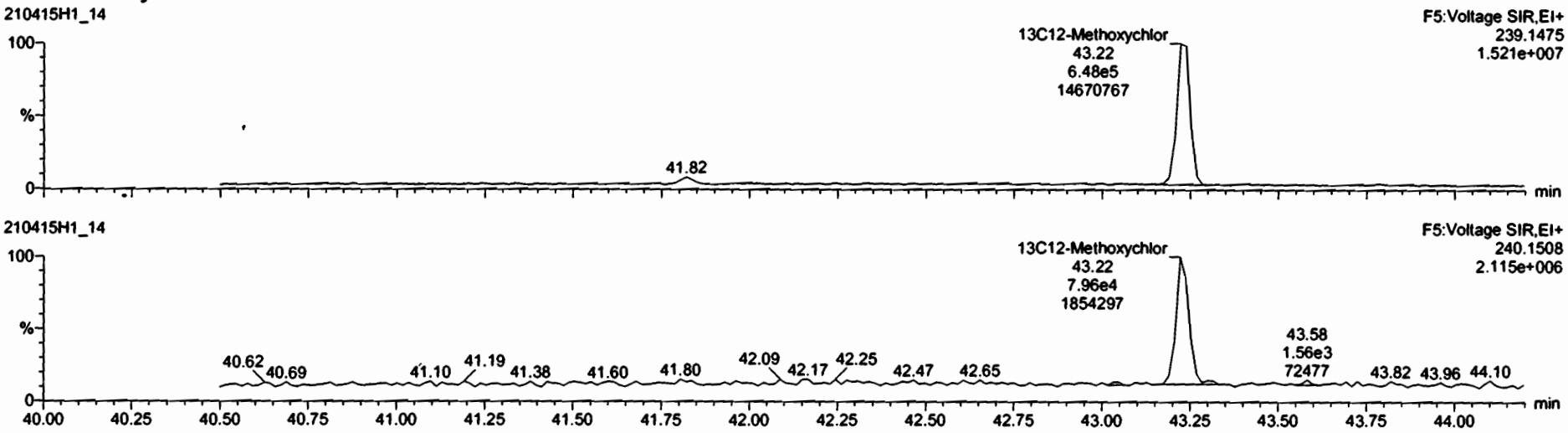
4,4'-Methoxychlor



13C12-Methoxychlor



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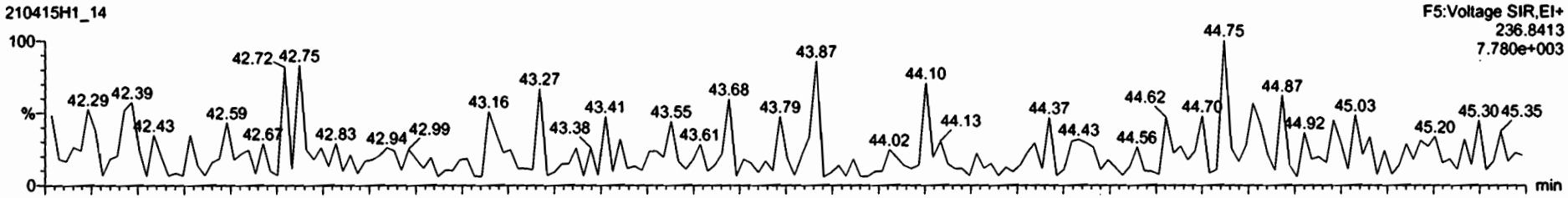
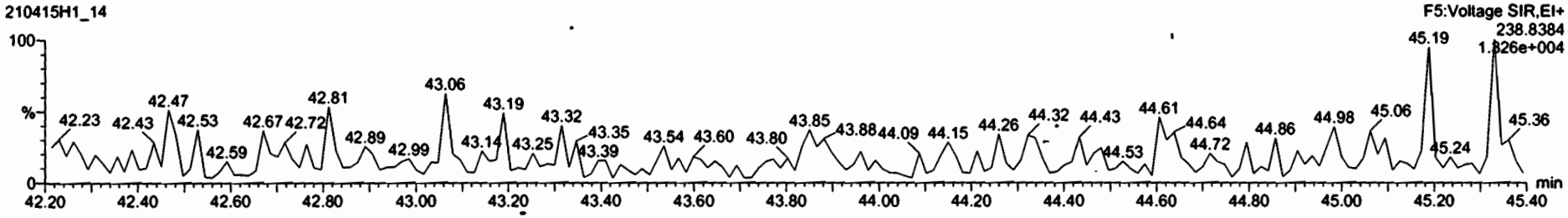
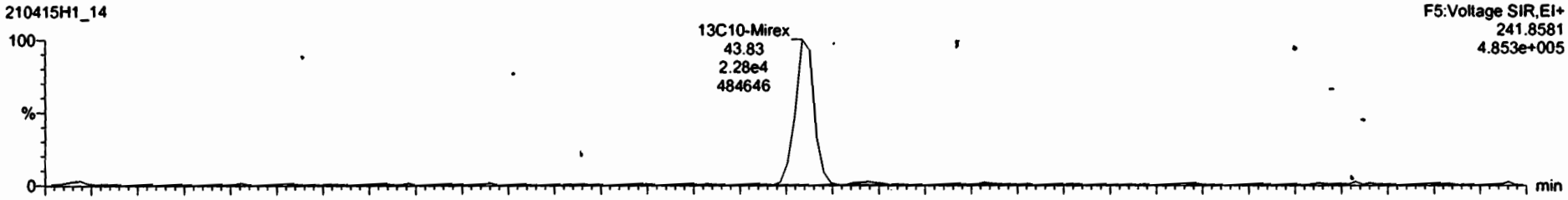
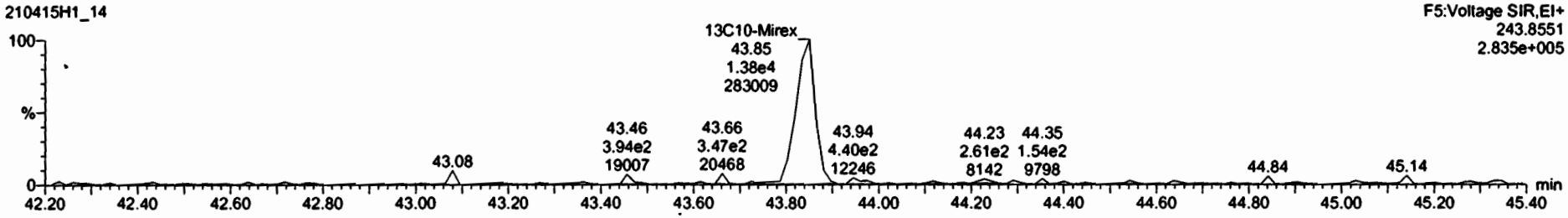
Mirex





13C10-Mirex





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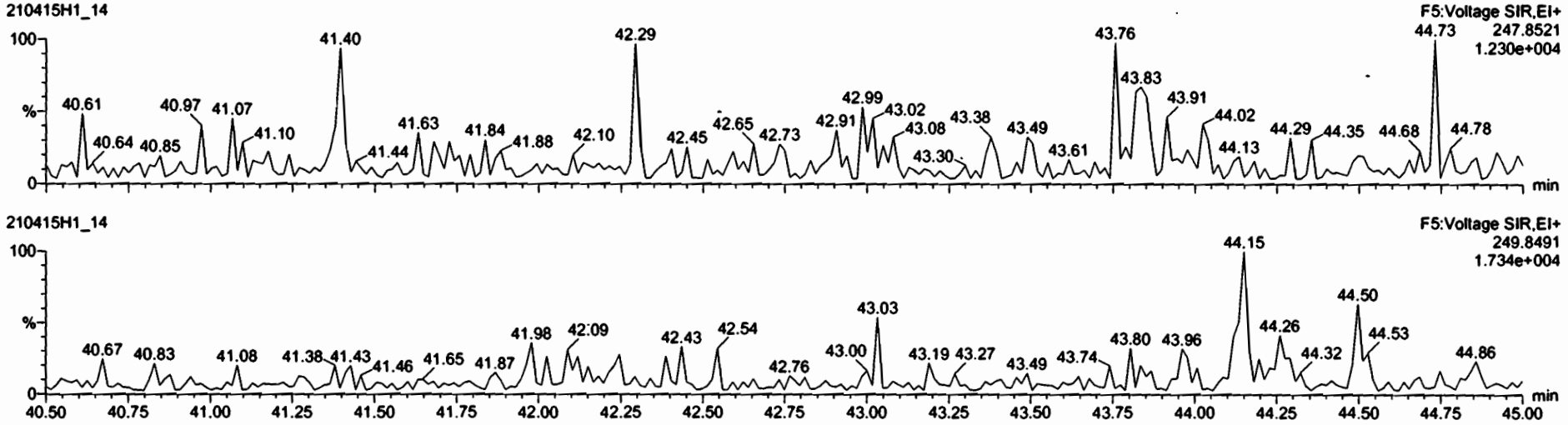
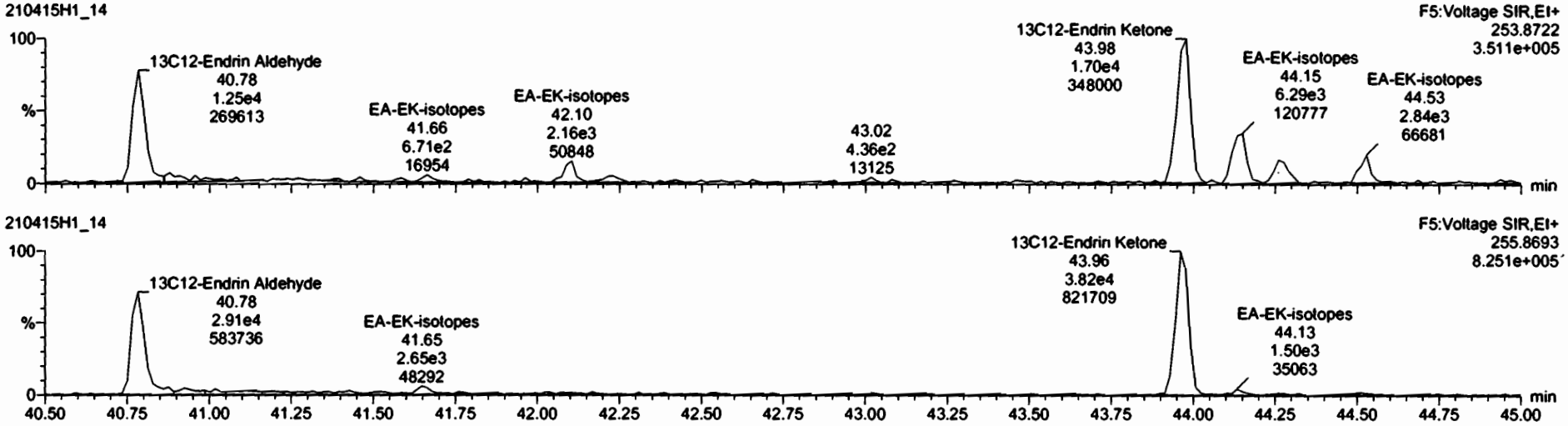
EA-EK



EA-EK-isotopes



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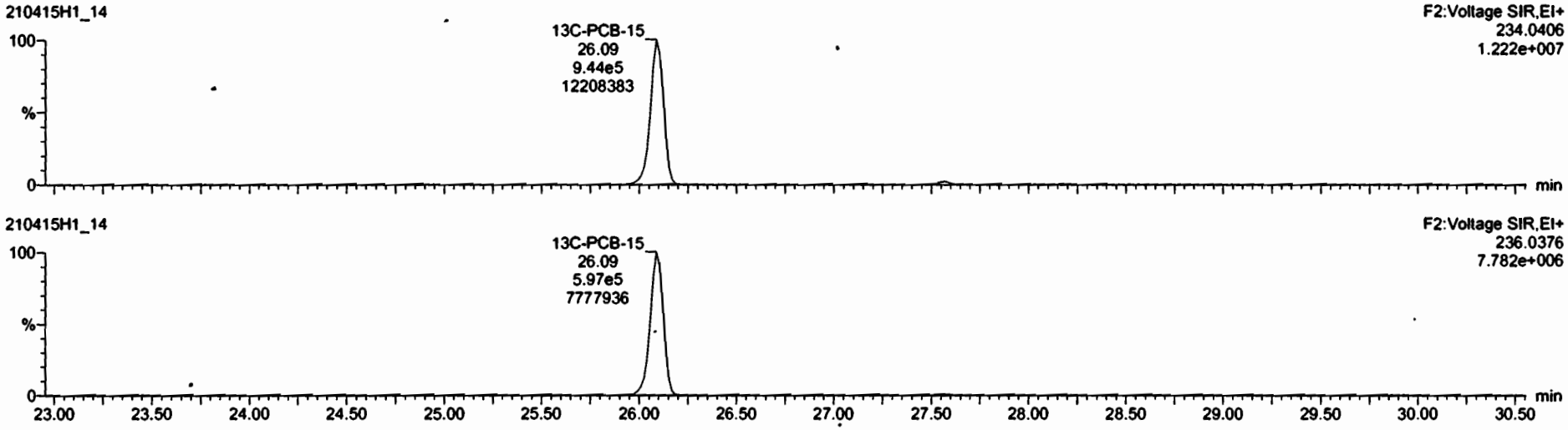
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_14, Date: 15-Apr-2021, Time: 20:07:28, ID: 2103216-03RE1 USMPDI-058RAB-20-26.2-210317 1.56, Description: USMPDI-058RAB-20-26.2-210317

13C-PCB-15



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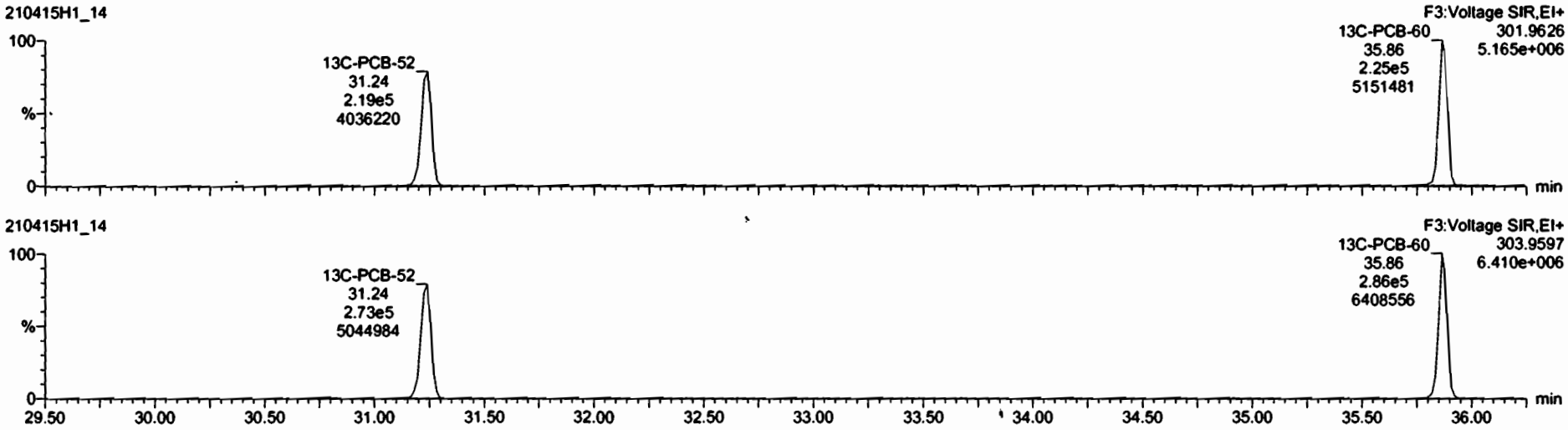

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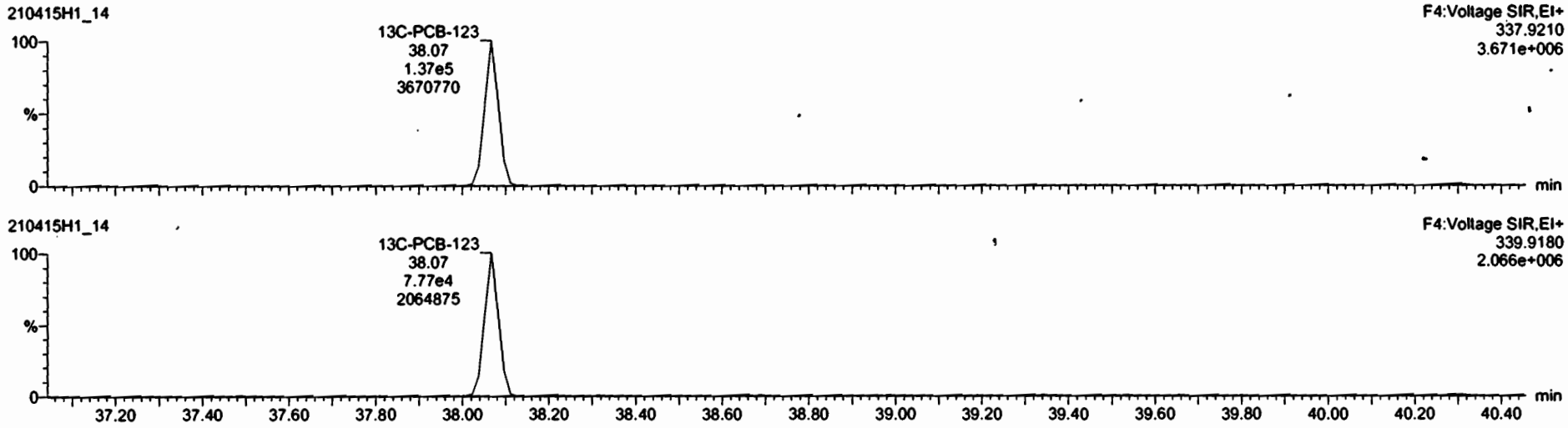
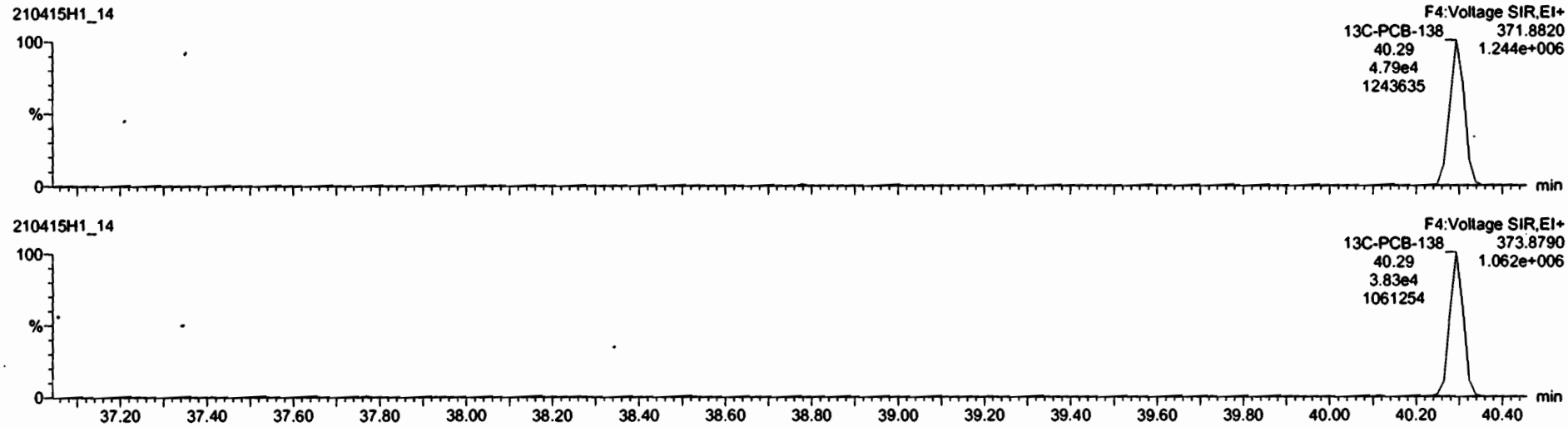
Name: 210415H1_14, Date: 15-Apr-2021, Time: 20:07:28, ID: 2103216-03RE1 USMPDI-058RAB-20-26.2-210317 1.56, Description: USMPDI-058RAB-20-26.2-210317

13C-PCB-123



13C-PCB-138



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Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

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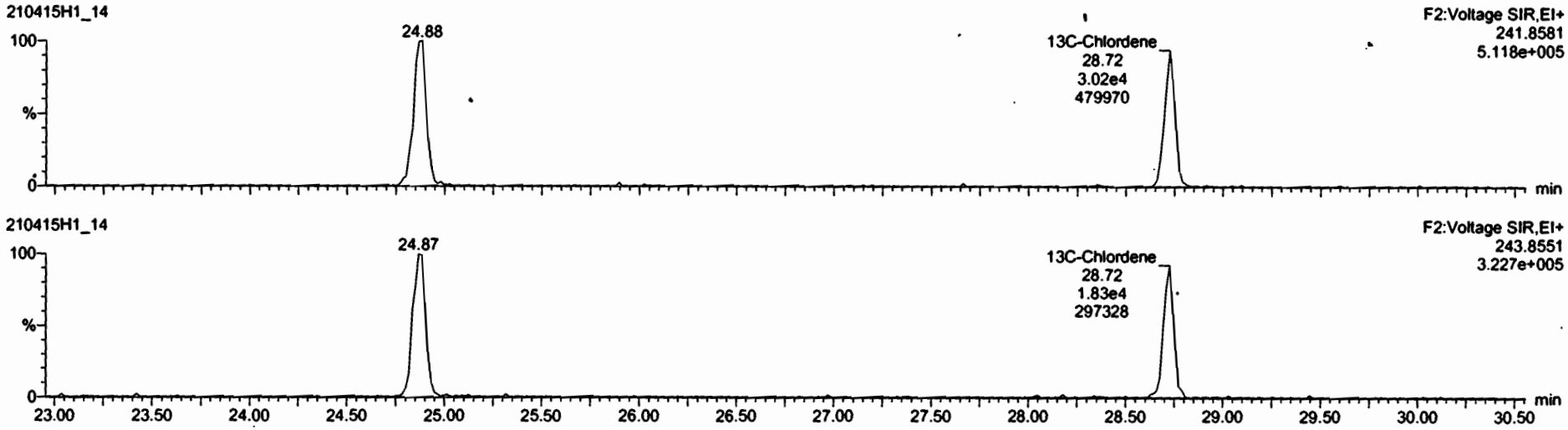
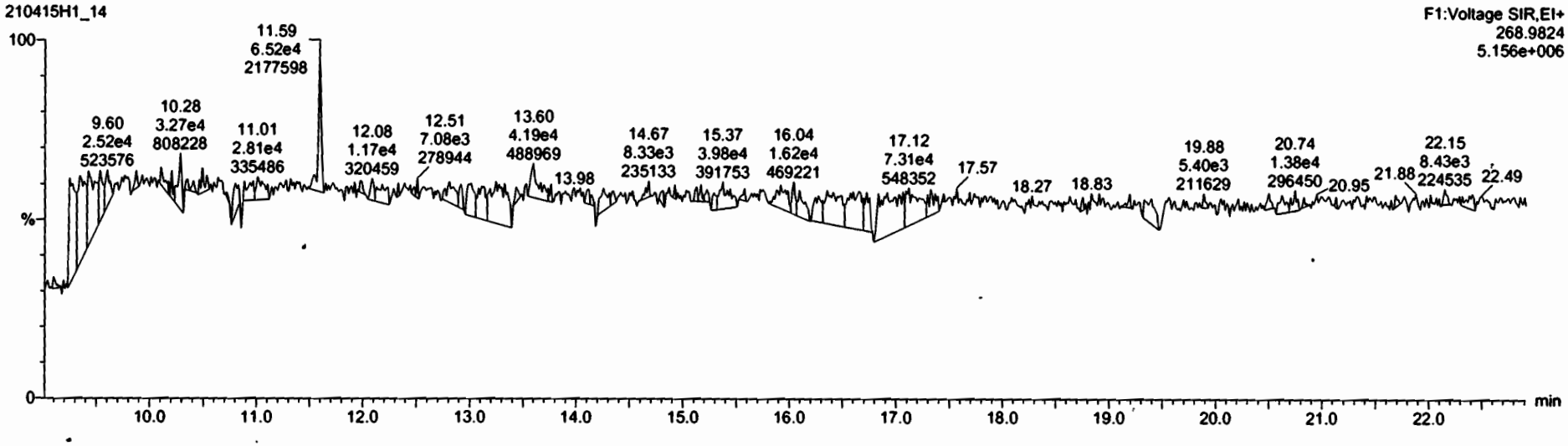
13C-Chlordene



PFK1



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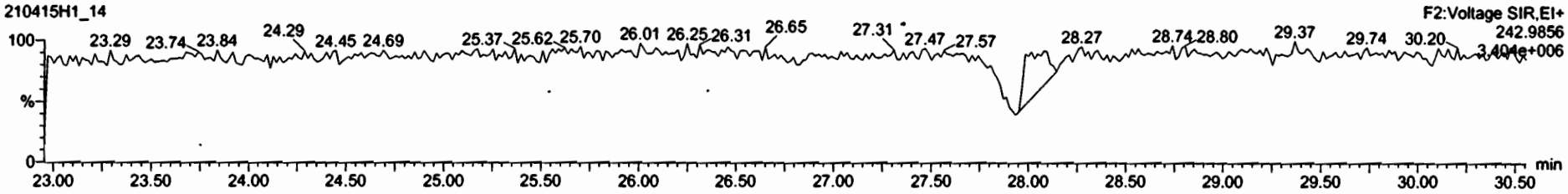
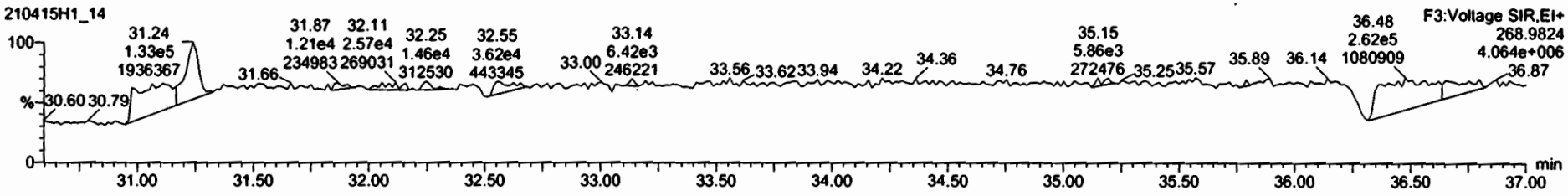
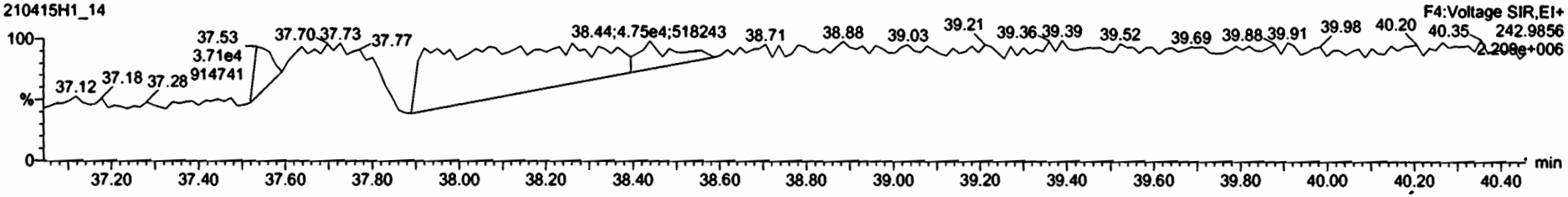
PFK2



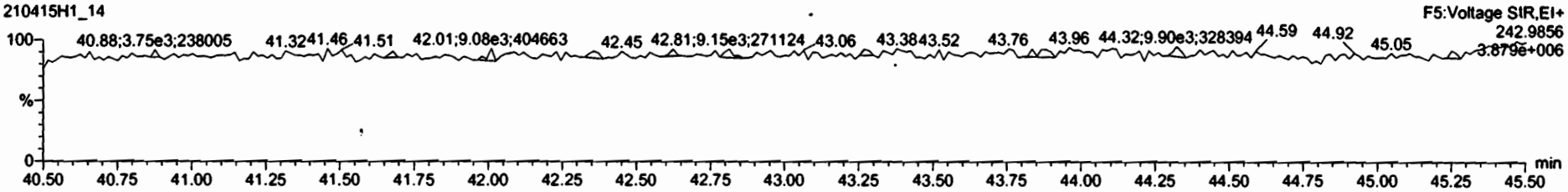
PFK3



PFK4



PFK5



Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_13.qld

Last Altered: Monday, April 19, 2021 14:15:35 Pacific Daylight Time
Printed: Monday, April 19, 2021 14:16:05 Pacific Daylight Time

∝ 04/28/21
04/19/21
D# 04/17/21
CTG 5/03/2021

Method: Untitled 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210415H1_13, Date: 15-Apr-2021, Time: 19:19:07, ID: 2103216-04RE1 USMPDI-059RAB-00-10-210318 1.19, Description: USMPDI-059RAB-00-10-210318, Task: ST210415H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	4	Lindane (gamma-...		2.48e5		NO	0.860	1.051			1.000	YES			2.57	
2	9	Aldrin		1.40e5		NO	1.09	1.051			1.001	YES			1.43	
3	10	Oxychlordane		3.86e4		NO	1.06	1.051			1.001	YES			4.62	
4	13	trans-Chlordane (g...	1.83e3	2.69e4	1.27	NO	1.14	1.051	35.06	1.001	1.001	NO	56.936		6.08	56.9
5	14	trans-Nonachlor	2.51e3	2.71e4	1.93	NO	1.06	1.051	35.25	1.001	1.000	NO	83.278		6.68	83.3
6	15	cis-Chlordane	2.72e3	2.71e4	2.00	YES	1.16	1.051	35.73	1.015	1.015	NO	81.909		6.07	69.8
7	18	2,4'-DDE	1.34e4	8.64e5	1.34	NO	1.02	1.051	35.70	1.000	1.000	NO	14.416		1.45	14.4
8	19	4,4'-DDE	7.34e5	4.98e5	1.52	NO	1.04	1.051	36.77	1.000	1.000	NO	1350.4		2.43	1350
9	20	Dieldrin	2.09e3	6.03e4	1.69	NO	1.03	1.051	37.29	1.001	1.001	NO	31.983		6.14	32.0
10	22	cis-Nonachlor	8.75e2	2.22e4	1.86	NO	1.00	1.051	38.96	1.000	1.000	NO	37.468		15.3	37.5

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_13.qld

Last Altered: Monday, April 19, 2021 14:15:35 Pacific Daylight Time
Printed: Monday, April 19, 2021 14:16:33 Pacific Daylight Time

Method: Untitled 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210415H1_13, Date: 15-Apr-2021, Time: 19:19:07, ID: 2103216-04RE1 USMPDI-059RAB-00-10-210318 1.19, Description: USMPDI-059RAB-00-10-210318, Task: ST210415H1_1

	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	24 2,4'-DDD	1.01e5	5.16e5	1.52	NO	1.07	1.051	37.90	1.000	1.000	NO	175.35		3.46	175
2	25 2,4'-DDT	1.85e4	1.90e5	1.40	NO	1.05	1.051	39.02	1.000	1.000	NO	88.435		9.72	88.4
3	26 4,4'-DDD	2.75e5	3.15e5	1.56	NO	1.16	1.051	39.15	1.000	1.000	NO	714.30		4.91	714
4	27 4,4'-DDT	1.46e5	1.09e5	1.37	NO	1.13	1.051	40.20	1.000	1.001	NO	1120.3		16.1	1120
5	36 13C6-Lindane (ga...	2.48e5	1.80e6	0.80	NO	0.194	1.051	26.57	1.019	1.019	NO	675.61	71.0	2.67	
6	40 13C12-Aldrin	1.40e5	1.80e6	1.51	NO	0.154	1.051	30.80	1.181	1.181	NO	479.78	50.4	1.21	
7	41 13C10-Oxychlorda...	3.86e4	1.80e6	1.52	NO	0.0404	1.051	33.35	1.279	1.280	NO	504.45	53.0	4.63	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_13.qld

Last Altered: Monday, April 19, 2021 14:15:35 Pacific Daylight Time
Printed: Monday, April 19, 2021 14:16:57 Pacific Daylight Time

Method: Untitled 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210415H1_13, Date: 15-Apr-2021, Time: 19:19:07, ID: 2103216-04RE1 USMPDI-059RAB-00-10-210318 1.19, Description: USMPDI-059RAB-00-10-210318, Task: ST210415H1_1

	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	43 13C10-trans-Chlor...	2.69e4	1.80e6	1.40	NO	0.0358	1.051	35.03	1.344	1.344	NO	397.09	41.7	5.22	
2	44 13C10-trans-Nona...	2.71e4	5.62e5	1.48	NO	0.0638	1.051	35.22	0.982	0.983	NO	718.82	75.6	5.82	
3	46 13C12-2,4'-DDE	8.64e5	5.62e5	1.58	NO	1.43	1.051	35.69	0.996	0.995	NO	1019.7	107	1.89	
4	47 13C12-4,4'-DDE	4.98e5	5.62e5	1.60	NO	0.995	1.051	36.75	1.025	1.026	NO	847.73	89.1	2.72	
5	48 13C12-Dieldrin	6.03e4	5.62e5	1.44	NO	0.146	1.051	37.26	1.039	1.040	NO	698.13	73.4	4.78	
6	50 13C10-cis-Nonach...	2.22e4	5.62e5	1.63	NO	0.0791	1.051	38.94	1.086	1.087	NO	474.90	49.9	8.84	
7	52 13C12-2,4'-DDD	5.16e5	5.62e5	1.54	NO	1.35	1.051	37.89	1.057	1.057	NO	645.65	67.9	4.94	
8	53 13C12-2,4'-DDT	1.90e5	5.62e5	1.63	NO	0.962	1.051	39.00	1.088	1.089	NO	334.94	35.2	6.95	
9	54 13C12-4,4'-DDD	3.15e5	5.62e5	1.67	NO	1.12	1.051	39.13	1.092	1.092	NO	474.88	49.9	5.95	
10	55 13C12-4,4'-DDT	1.09e5	5.62e5	1.55	NO	0.735	1.051	40.20	1.121	1.122	NO	252.09	26.5	9.10	
11	62 13C-PCB-15	1.80e6	1.80e6	1.57	NO	1.00	1.051	26.07	1.000	1.000	NO	951.25	100	0.628	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_13.qld

Last Altered: Monday, April 19, 2021 14:15:35 Pacific Daylight Time
Printed: Monday, April 19, 2021 14:17:04 Pacific Daylight Time

Method: Untitled 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210415H1_13, Date: 15-Apr-2021, Time: 19:19:07, ID: 2103216-04RE1 USMPDI-059RAB-00-10-210318 1.19, Description: USMPDI-059RAB-00-10-210318, Task: ST210415H1_1

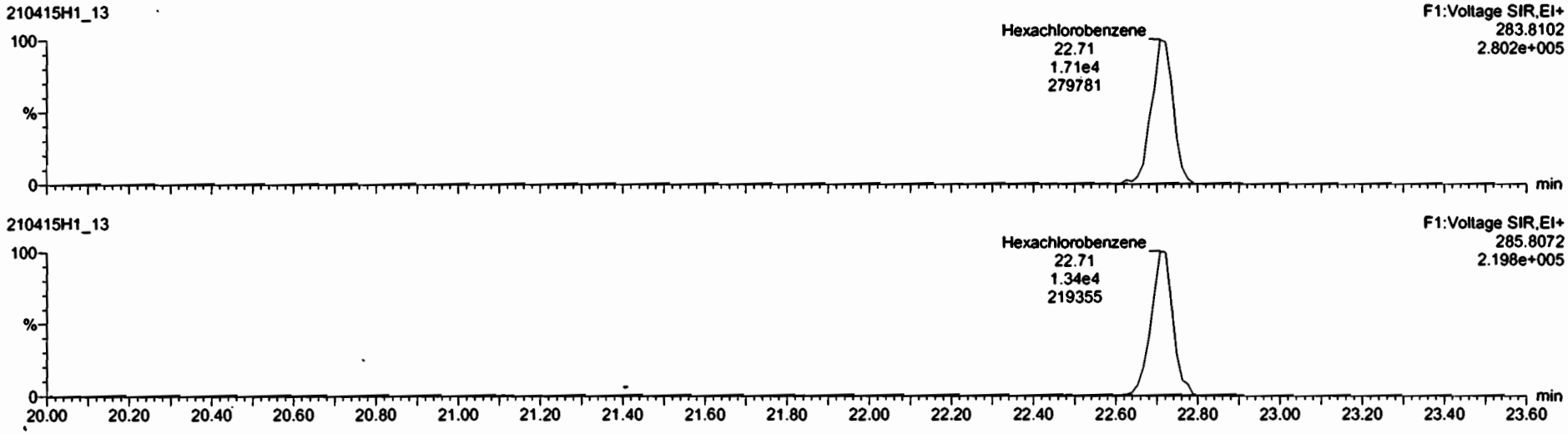
	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	63 13C-PCB-60	5.62e5	5.62e5	0.81	NO	1.00	1.051	35.85	1.000	1.000	NO	951.25	100	1.02	

Dataset: Untitled

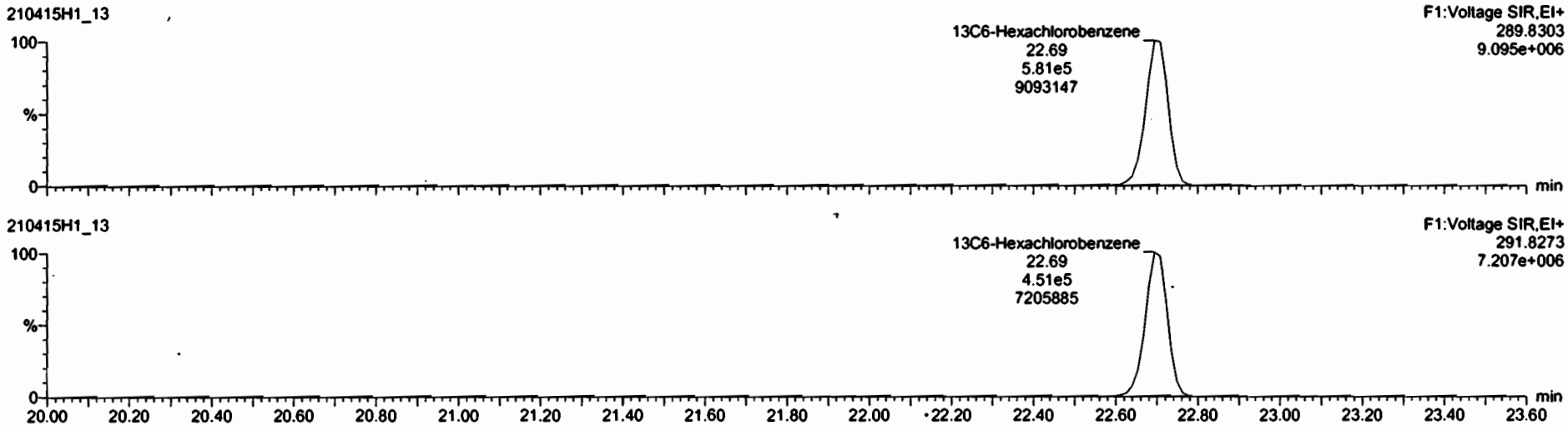
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_13, Date: 15-Apr-2021, Time: 19:19:07, ID: 2103216-04RE1 USMPDI-059RAB-00-10-210318 1.19, Description: USMPDI-059RAB-00-10-210318

Hexachlorobenzene



13C6-Hexachlorobenzene



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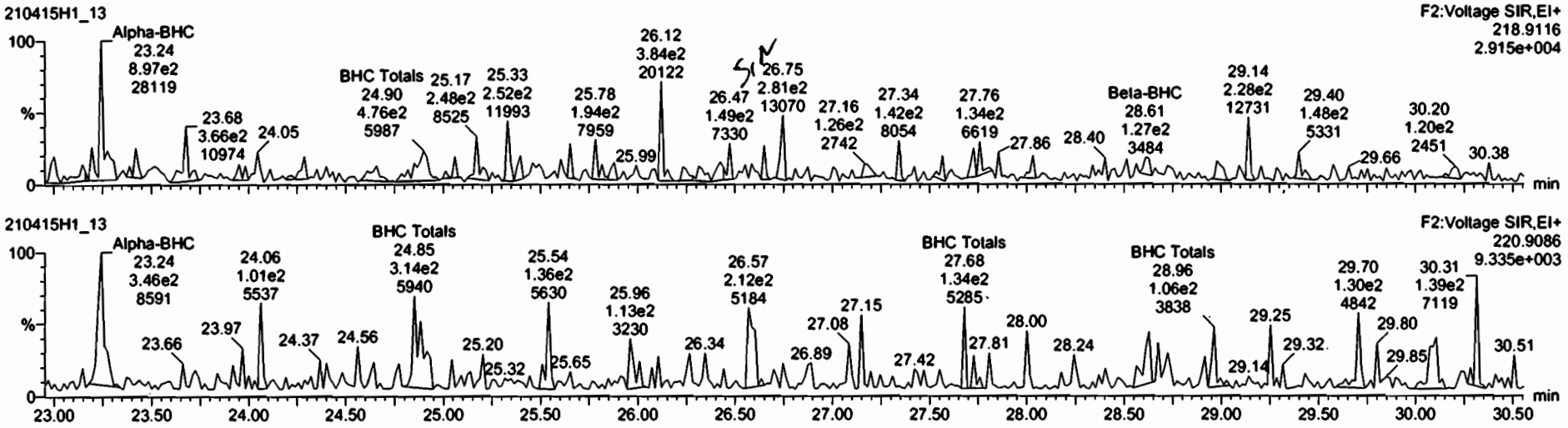
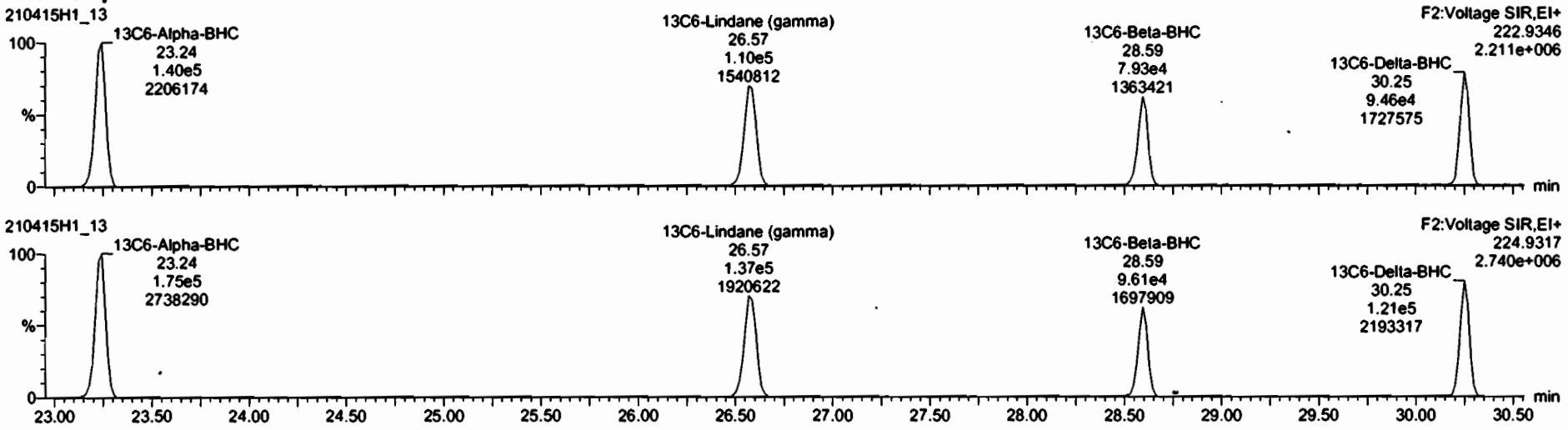
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_13, Date: 15-Apr-2021, Time: 19:19:07, ID: 2103216-04RE1 USMPDI-059RAB-00-10-210318 1.19, Description: USMPDI-059RAB-00-10-210318

BHC Totals



BHC-isotopes



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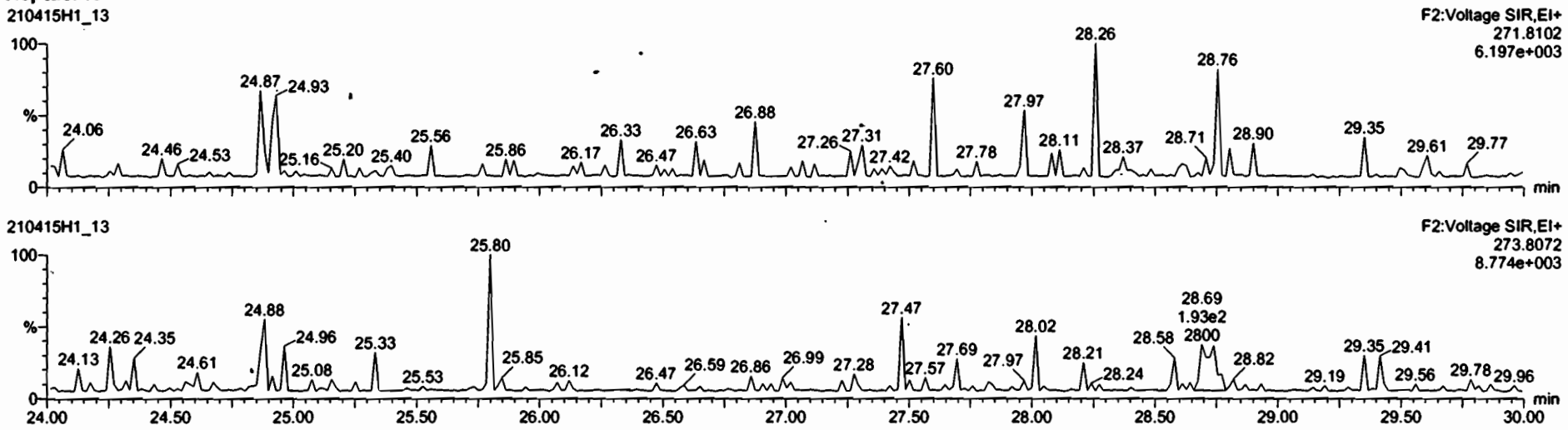
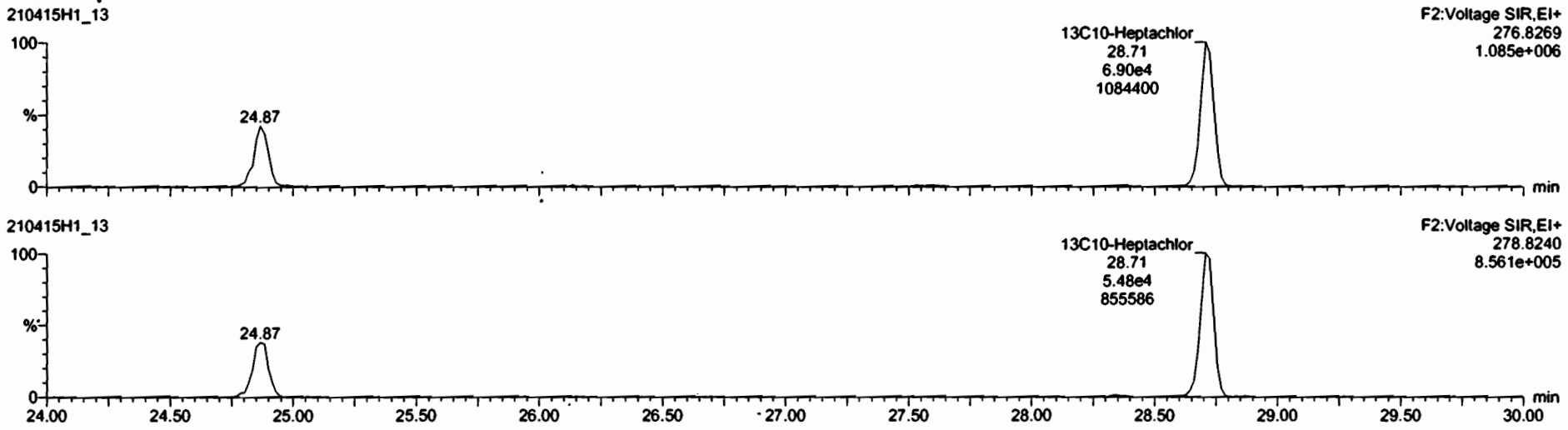
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_13, Date: 15-Apr-2021, Time: 19:19:07, ID: 2103216-04RE1 USMPDI-059RAB-00-10-210318 1.19, Description: USMPDI-059RAB-00-10-210318

Heptachlor



13C10-Heptachlor



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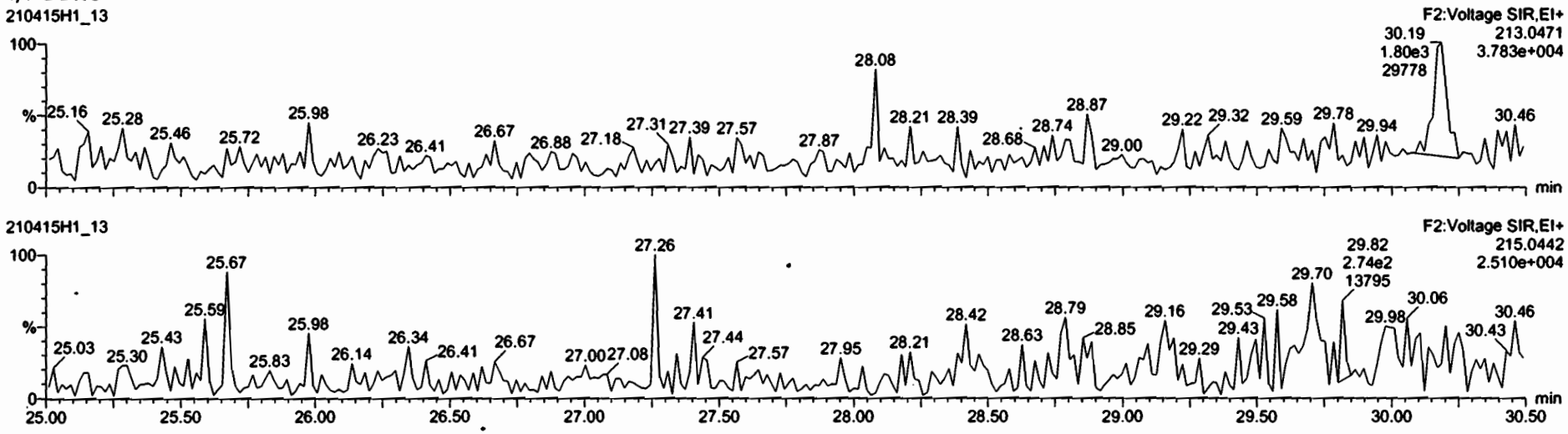
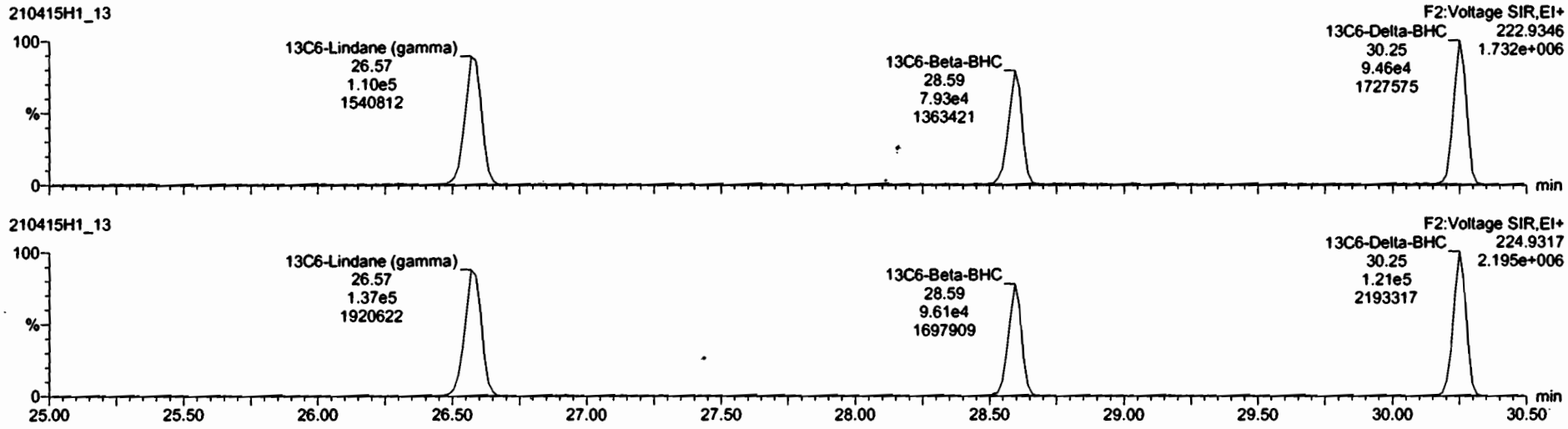
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_13, Date: 15-Apr-2021, Time: 19:19:07, ID: 2103216-04RE1 USMPDI-059RAB-00-10-210318 1.19, Description: USMPDI-059RAB-00-10-210318

4,4'-DDNU



13C6-Delta-BHC



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Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

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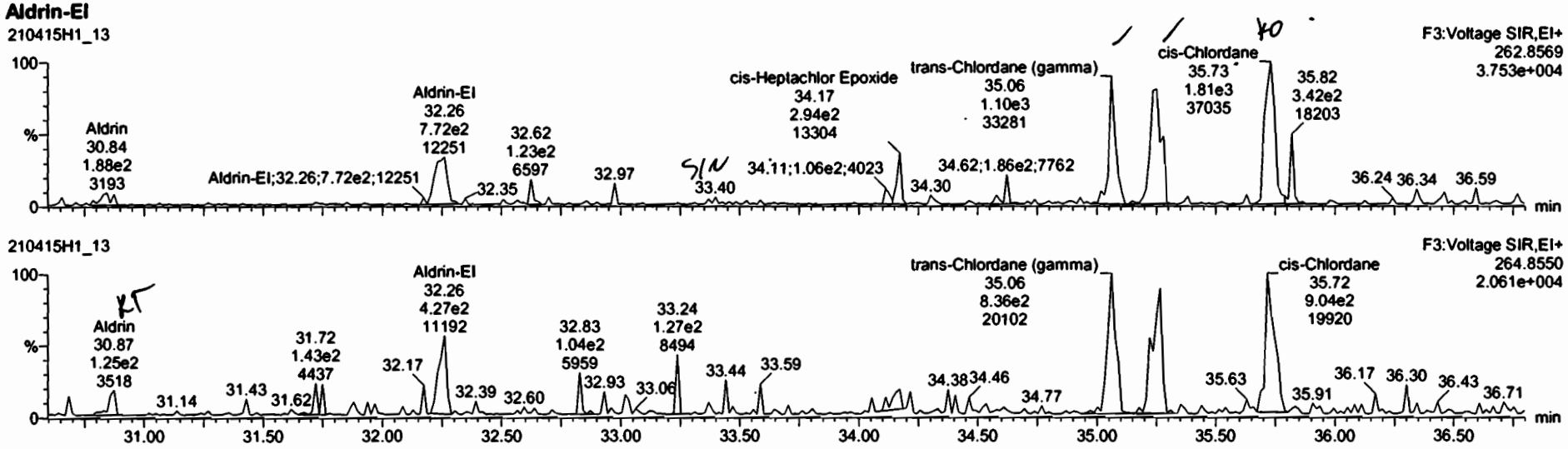
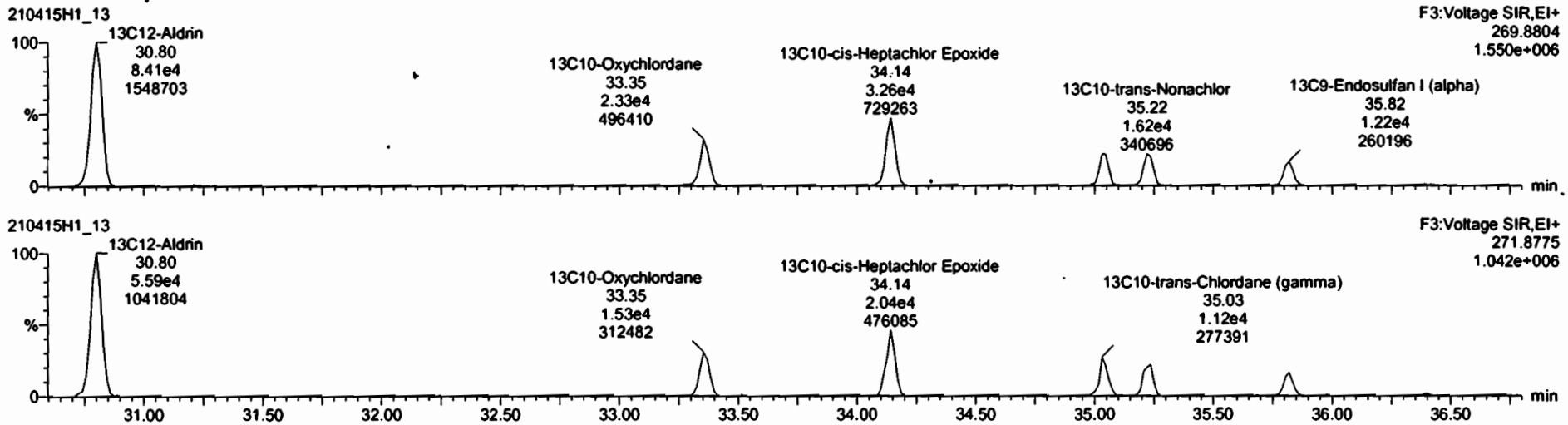
Aldrin-EI



Aldrin-EI-isotopes

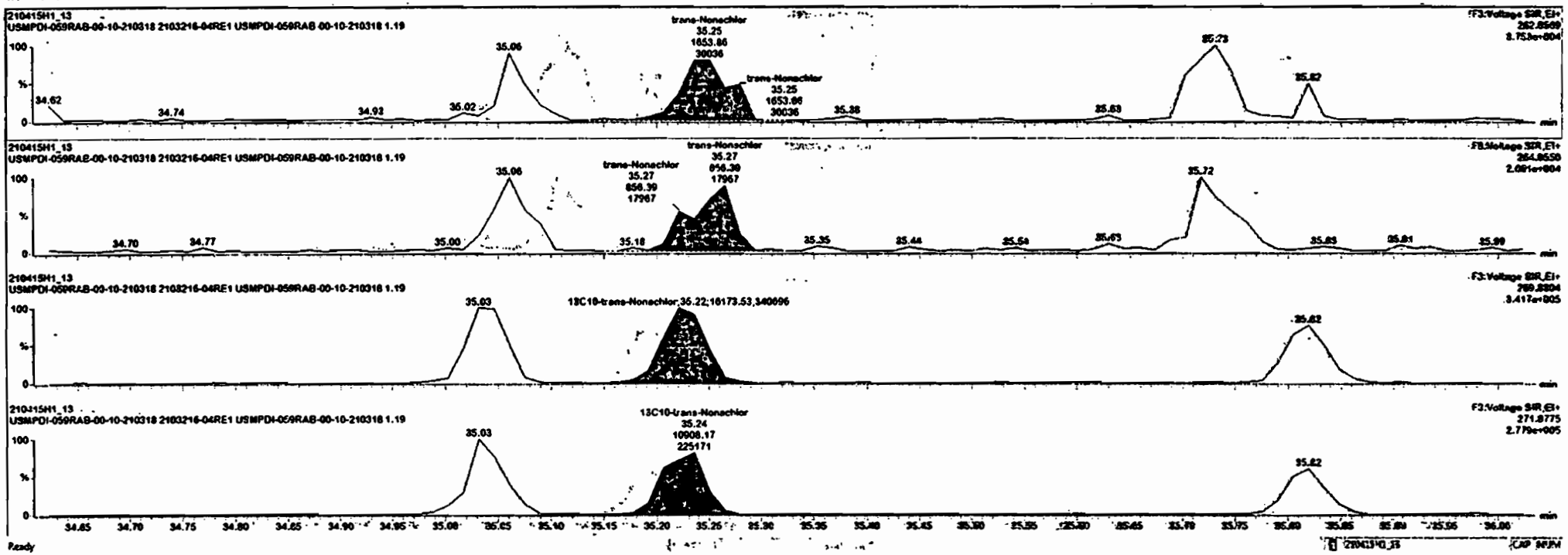


TargetLynx - 210415H1_13.qld - [Chromatogram]

File Edit View Display Processing Window Help

210415H1_13 2103216-04RE1 USMPDI-059RAB-00-10-210318 1.19 USMPDI-059RAB-00-10-210318 1.19

	#	Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
2	2	Hexachlorobenzene	3.05e4	1.03e6	1.27	NO	0.98	1.0512	22.71	22.71	1.001	1.000	NO	28.63		0.0652	28.6
3	3	Alpha-BHC	1.24e3	3.15e5	0.59	NO	0.83	1.0512	23.24	23.22	1.000	1.001	NO	4.537		1.86	4.54
4	4	Lindane (gamma-BHC)	3.33e2	2.46e5	0.57	YES	0.86	1.0512	26.65	26.58	1.003	1.000	NO	1.486		2.57	0.801
5	5	Beta-BHC	2.66e2	1.75e5	0.91	YES	1.00	1.0512	28.61	28.62	1.001	1.001	NO	1.454		2.54	1.03
6	6	Delta-BHC		2.15e5		NO	0.91	1.0512		30.28		1.001	YES			2.14	
7	7	Heptachlor		1.24e5		NO	1.19	1.0512		28.74		1.001	YES			1.24	
8	8	4,4'-DDMU		2.15e5		NO	1.25	1.0512		30.19		0.998	YES			3.49	
9	9	Aldrin		1.48e5		NO	1.09	1.0512		30.63		1.001	YES			1.43	
10	10	Oxychlordane		2.66e4		NO	1.06	1.0512		33.39		1.001	YES			4.82	
11	11	cis-Heptachlor Epoxide	4.33e2	5.30e4	2.13	YES	1.08	1.0512	34.17	34.18	1.001	1.001	NO	7.223		3.16	5.91
12	12	trans-Heptachlor Epoxide		5.30e4		NO	0.25	1.0512		34.68		1.016	YES			11.7	
13	13	trans-Chlordane (gamma)	1.83e3	2.66e4	1.27	NO	1.14	1.0512	35.06	35.07	1.001	1.001	NO	56.94		6.08	58.9
14	14	trans-Nonachlor	2.51e3	2.71e4	1.93	NO	1.08	1.0512	35.25	35.22	1.001	1.000	NO	83.28		6.68	83.3
15	15	cis-Chlordane	2.72e3	2.71e4	2.00	YES	1.18	1.0512	35.73	35.77	1.015	1.016	NO	81.81		6.07	89.8

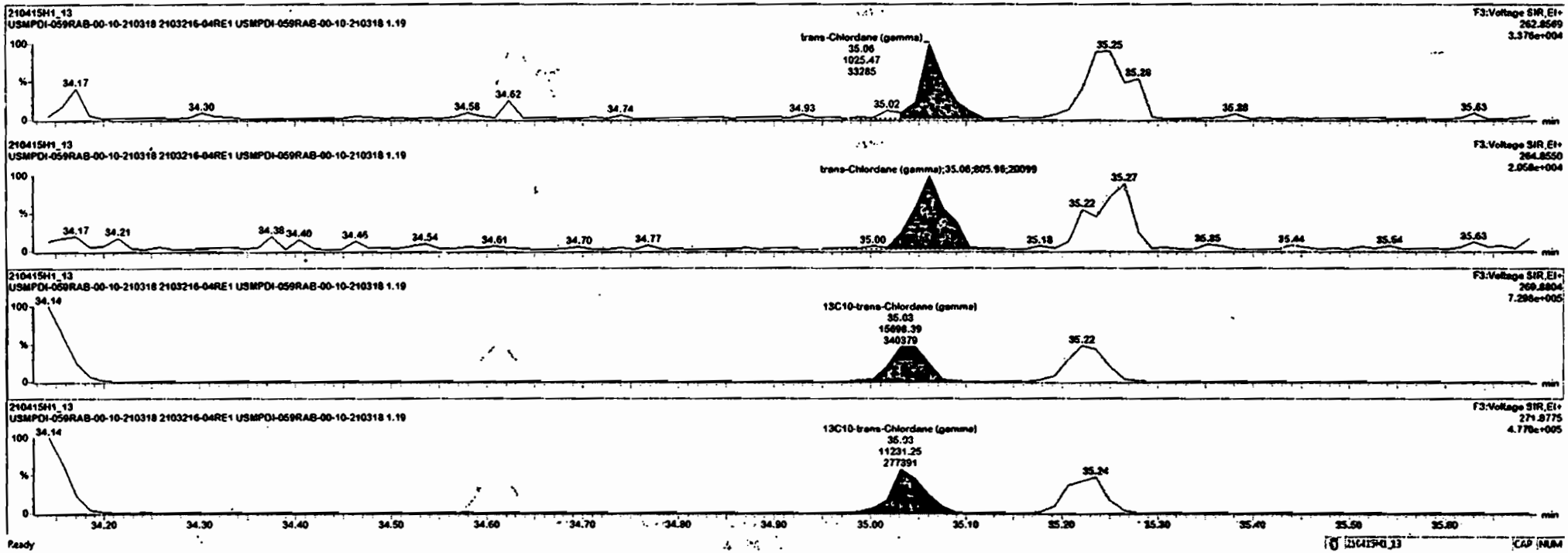


TargetLynx - 210415H1_13.qld * - Chromatogram

File Edit View Display Processing Window Help

210415H1_13: 2103216-04RE1 USMPDI-059RAB-00-10-210318 1.19 USMPDI-059RAB-00-10-210318

	#	Name	Resp	S AREA	RA	nY	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
1	1	Hexachlorobutadiene	1.56e4	1.43e6	0.29	YES	0.10	1.0512	9.96	9.99	1.001	1.002	NO	1017		2.53	415
2	2	Hexachlorobenzene	3.05e4	1.03e6	1.27	NO	0.95	1.0512	22.71	22.71	1.001	1.000	NO	28.63		0.0662	22.6
3	3	Alpha-BHC	1.24e3	3.15e5	2.59	NO	0.83	1.0512	23.24	23.28	1.000	1.001	NO	4.537		1.86	4.54
4	4	Lindane (gamma-BHC)	3.33e2	2.48e5	0.57	YES	0.86	1.0512	26.65	26.58	1.003	1.000	NO	1.429		2.57	0.601
5	5	Beta-BHC	2.66e2	1.75e5	0.91	YES	1.00	1.0512	28.61	28.62	1.001	1.001	NO	1.454		2.54	1.03
6	6	Delta-BHC		2.15e5		NO	0.91	1.0512		30.28		1.001	YES			2.14	
7	7	Heptachlor		1.24e5		NC	1.10	1.0512		26.74		1.001	YES			1.24	
8	8	4,4'-DDMU		2.15e5		NO	1.25	1.0512		30.19		0.998	YES			3.49	
9	9	Aldrin		1.40e5		NC	1.09	1.0512		30.82		1.001	YES			1.43	
10	10	Oxychlordane		3.66e4		NO	1.06	1.0512		33.39		1.001	YES			4.67	
11	11	cis-Heptachlor Epoxide	4.33e2	5.30e4	2.13	YES	1.08	1.0512	34.17	34.18	1.001	1.001	NO	7.223		3.46	5.91
12	12	trans-Heptachlor Epoxide		5.30e4		NO	0.29	1.0512		34.68		1.016	YES			11.7	
13	13	trans-Chlordane (gamma)	1.83e3	2.99e4	1.27	NO	1.14	1.0512	35.06	35.07	1.001	1.001	NO	58.94		6.08	58.9
14	14	trans-Nonachlor	2.55e3	2.71e4	1.90	NO	1.06	1.0512	35.25	35.22	1.001	1.000	NO	84.67		6.68	84.7



Ready

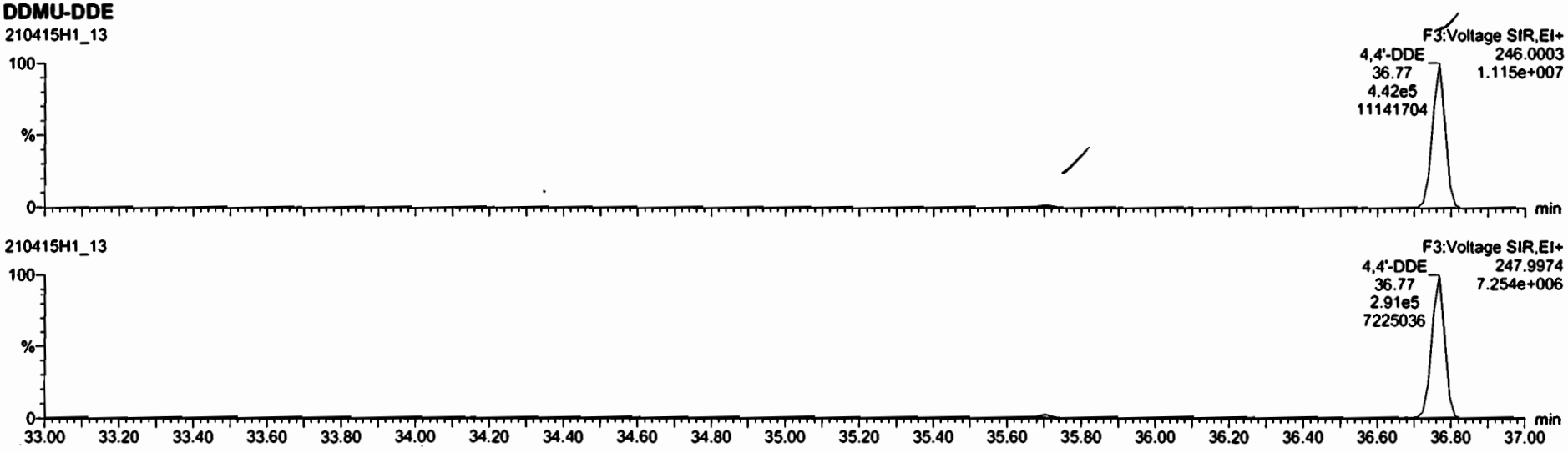
210415H1_13 CAP NUM

Dataset: Untitled

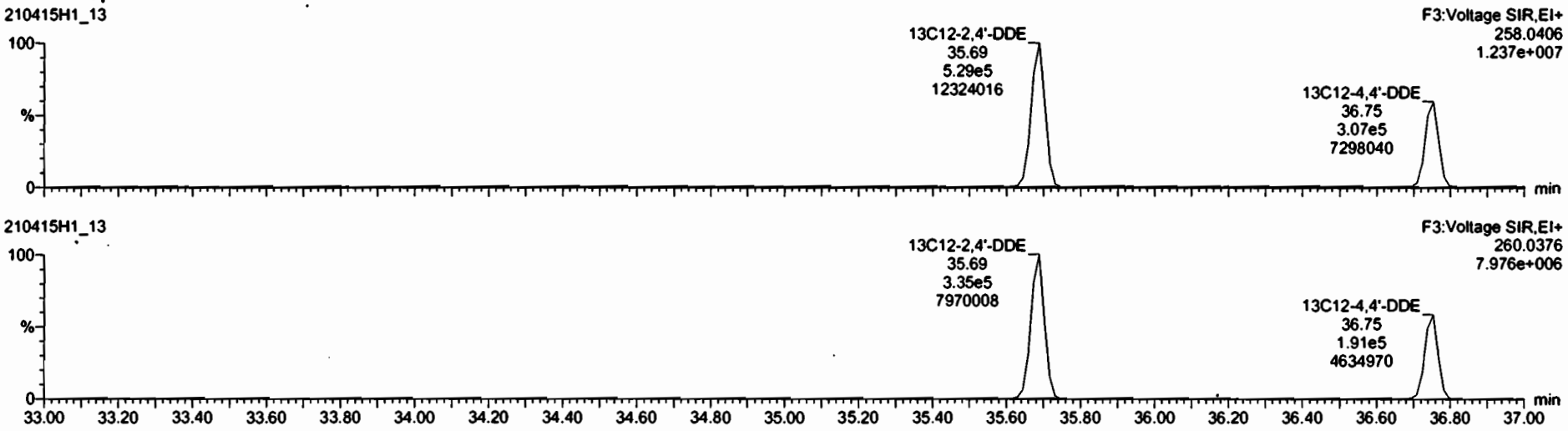
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_13, Date: 15-Apr-2021, Time: 19:19:07, ID: 2103216-04RE1 USMPDI-059RAB-00-10-210318 1.19, Description: USMPDI-059RAB-00-10-210318

DDMU-DDE



DDE-isotopes

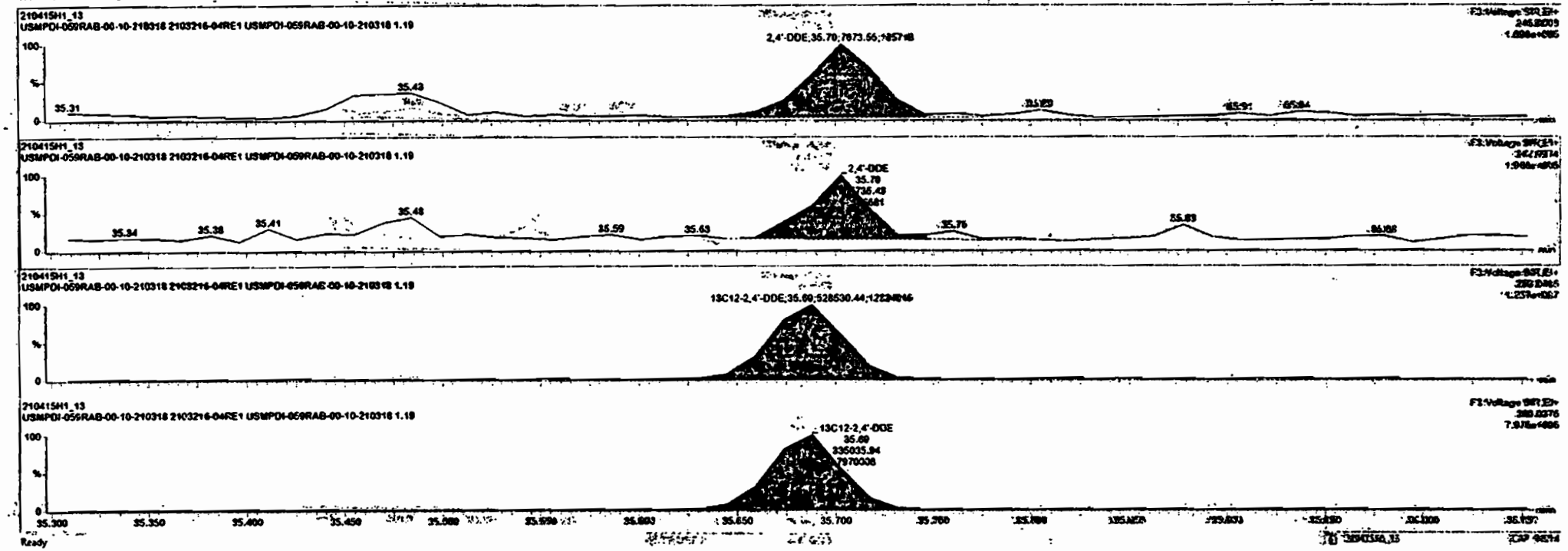


TargetLynx - 210415H1_13.qld - [Chromatogram]

File Edit View Display Processing Window Help

210415H1_13 2103216-04RE1 USMPDI-059RAB-00-10-210318 1.19

	#	Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
14	14	trans-Nonachlor	2.51e3	2.71e4	1.93	NO	1.06	1.0512	35.25	35.22	1.001	1.000	NO	82.25		6.58	83.3
15	15	cis-Chlordane	2.72e3	2.71e4	2.00	YES	1.16	1.0512	35.73	35.76	1.015	1.015	NO	81.91		6.07	69.8
16	16	Endosulfan I (alpha)		1.97e4		NO	1.23	1.0512		35.85		1.001	YES			7.22	
17	17	4,4'-DDMU	4.94e4	8.84e5	3.11	NO		1.0512	35.48	35.47	0.994	0.994	NO	132.8		1.99	133
18	18	2,4'-DDE	7.34e4	6.84e5	1.34	NO	1.02	1.0512	35.70	35.69	1.000	1.000	NO	14.42		1.45	14.4
19	19	4,4'-DDE	7.34e5	4.98e5	1.52	NO	1.04	1.0512	36.77	36.75	1.000	1.000	NO	1350		2.43	1350
20	20	Dieldrin	2.15e3	6.03e4	1.42	NO	1.03	1.0512	37.29	37.30	1.001	1.001	NO	32.99		6.14	33.0
21	21	Endrin		3.73e4		NO	1.01	1.0512		38.70		1.001	YES			8.87	
22	22	cis-Nonachlor	9.63e2	2.22e4	1.25	NO	1.00	1.0512	38.96	38.94	1.000	1.000	NO	41.27		15.3	41.3
23	23	Endosulfan II (beta)	4.59e2	7.82e3	2.38	YES	1.07	1.0512	39.65	39.67	1.000	1.000	NO	52.61		39.2	39.7
24	24	2,4'-DDD	1.01e5	5.16e5	1.52	NO	1.07	1.0512	37.50	37.89	1.000	1.000	NO	175.3		3.46	175
25	25	2,4'-DDT	1.85e4	1.90e5	1.40	NO	1.05	1.0512	39.02	39.00	1.000	1.000	NO	88.43		9.72	88.4
26	26	4,4'-DDD	2.75e5	3.15e5	1.56	NO	1.18	1.0512	39.15	39.13	1.000	1.000	NO	714.3		4.91	714
27	27	4,4'-DDT	1.46e5	1.09e5	1.37	NO	1.13	1.0512	40.20	40.24	1.000	1.001	NO	1120		16.1	1120



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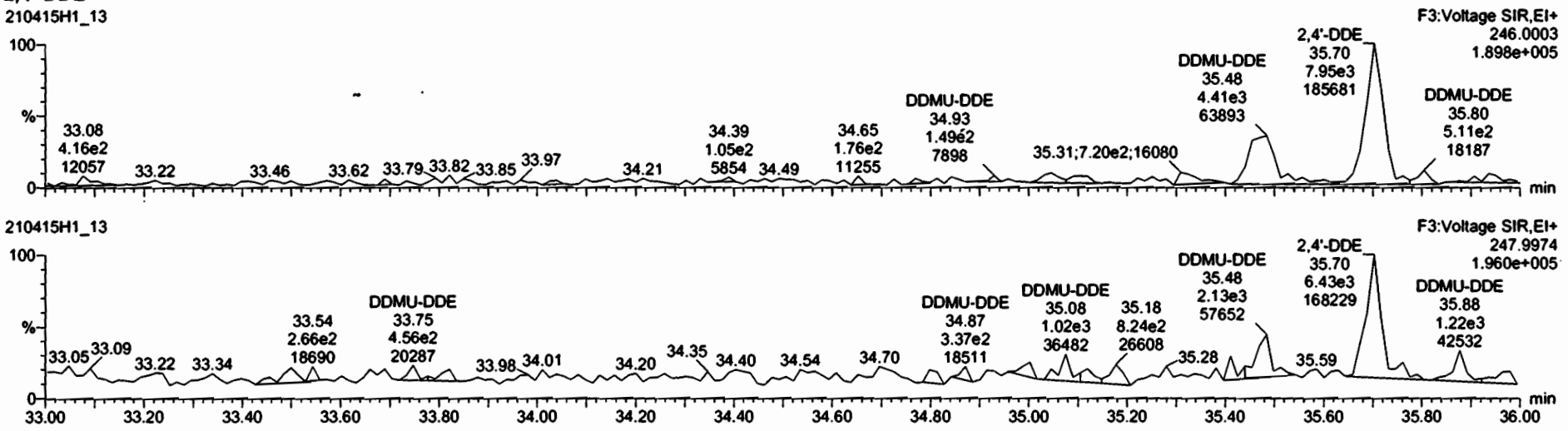
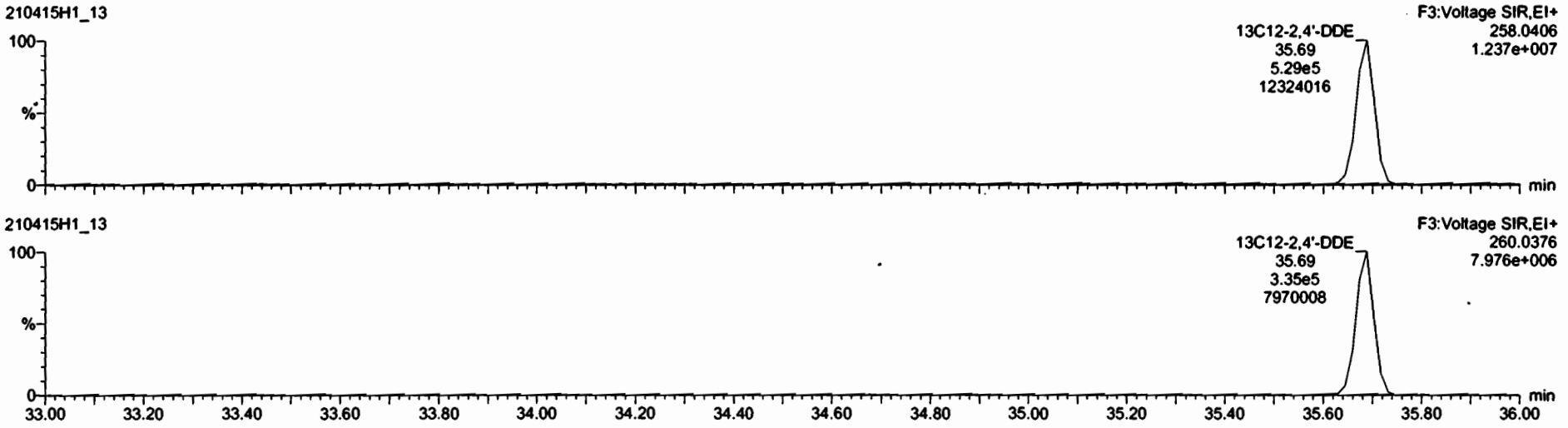
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_13, Date: 15-Apr-2021, Time: 19:19:07, ID: 2103216-04RE1 USMPDI-059RAB-00-10-210318 1.19, Description: USMPDI-059RAB-00-10-210318

2,4'-DDE



13C12-2,4'-DDE



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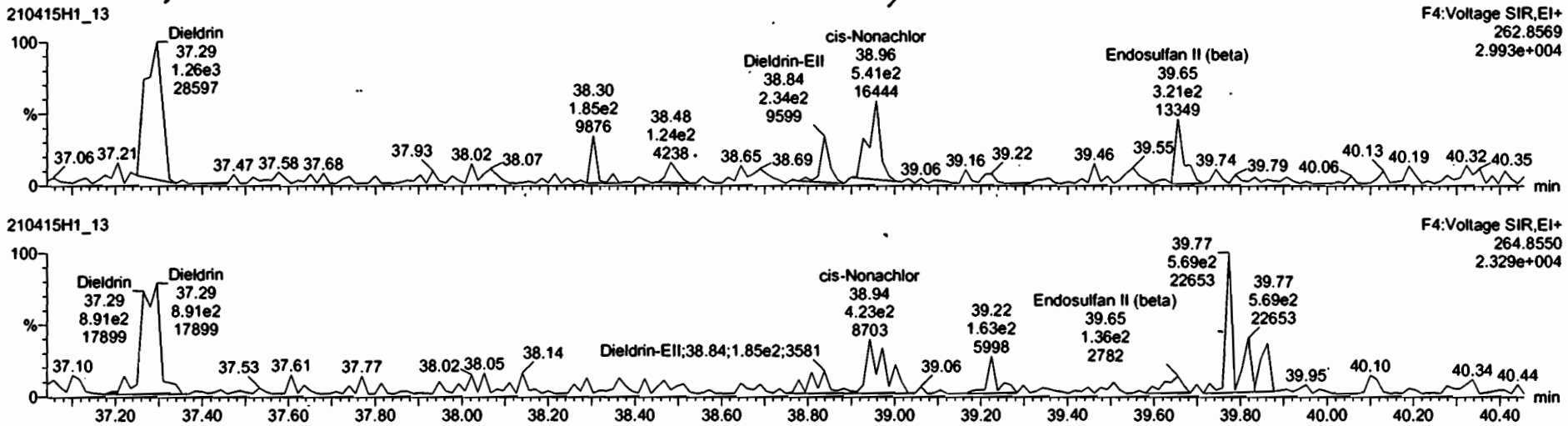
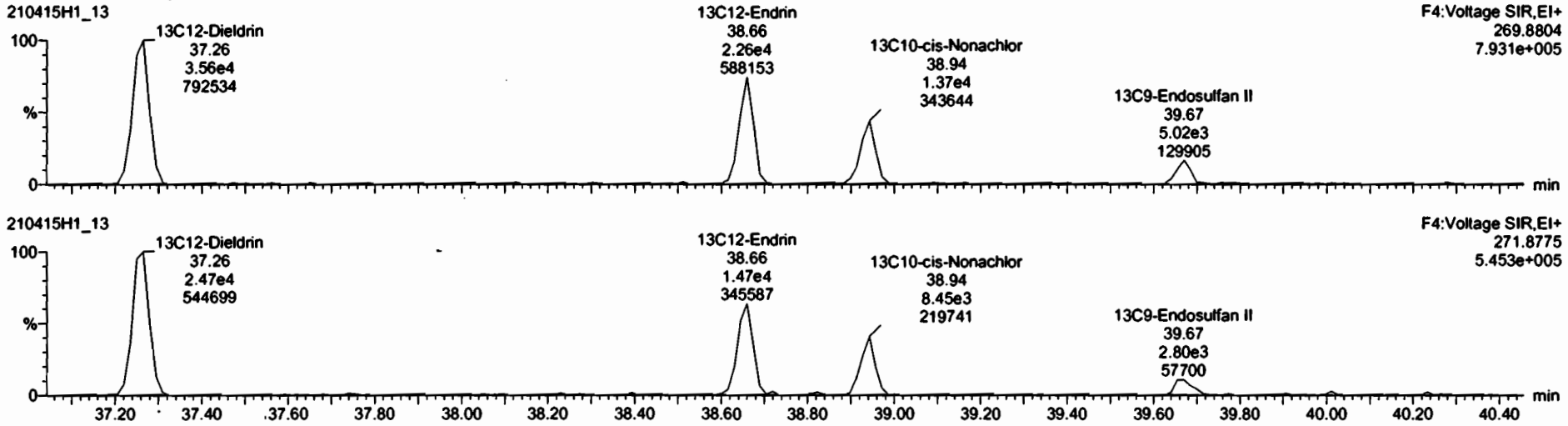
Dieldrin-EII



Dieldrin-EII-isotopes

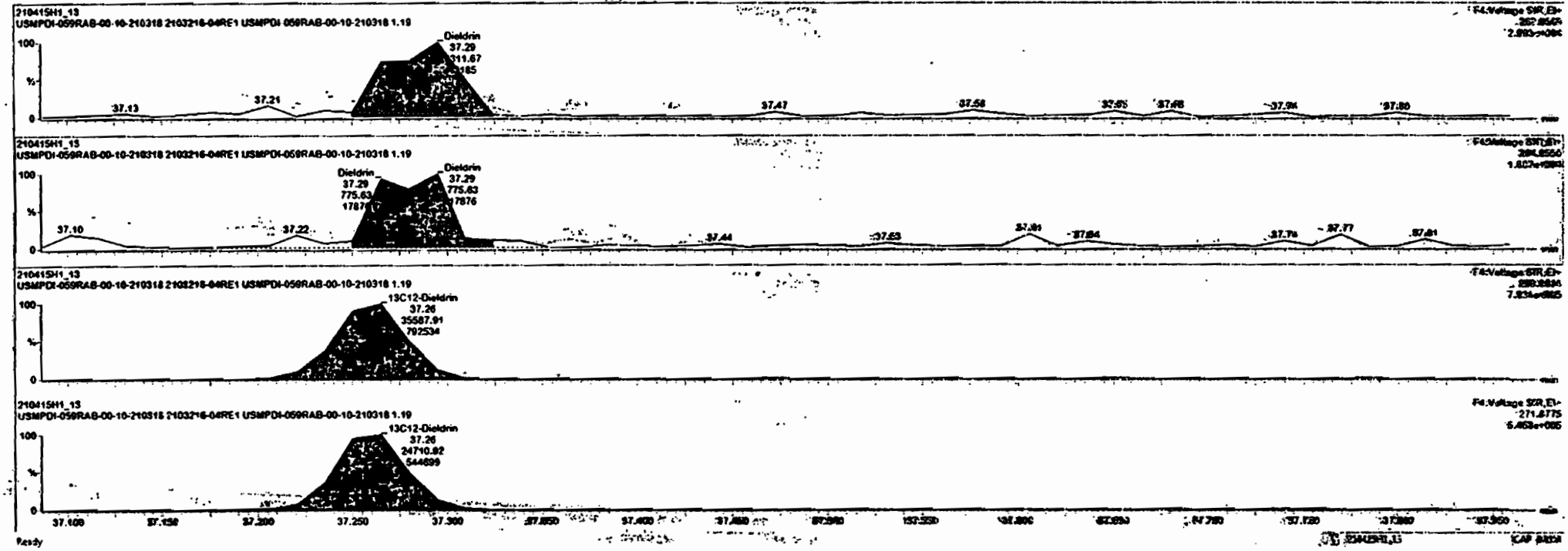


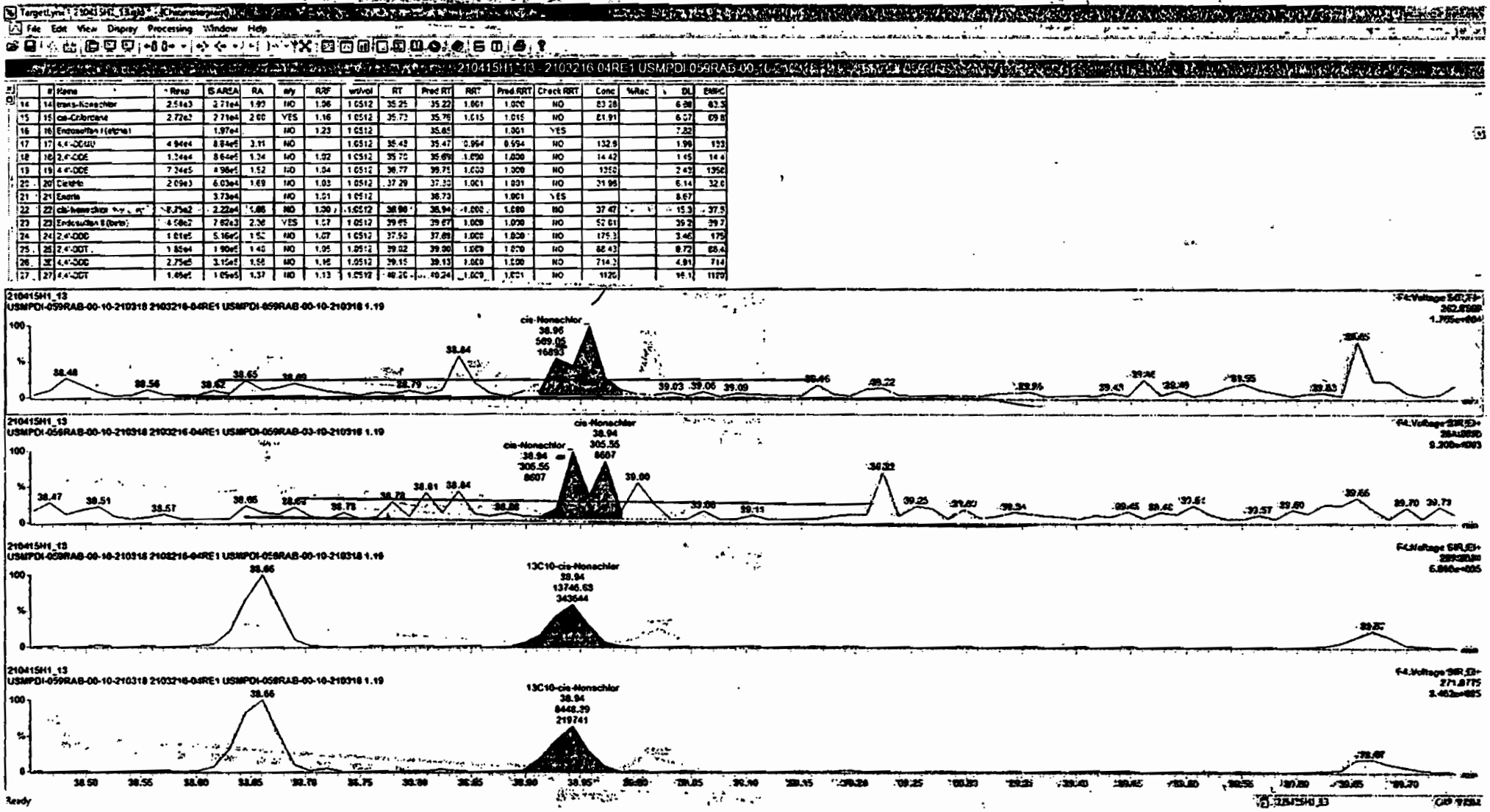
TargetLynx - 210415H1_13.qrd - [Chromatogram]

File Edit View Display Processing Window Help

210415H1_13 - 2103216-04RE1 USMPDI-059RAB-00-10-210318 1.19

		Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	BMPC
14	14	trans-Nonachlor	2.51e3	2.71e4	1.93	NO	1.06	1.0512	35.25	35.22	1.001	1.000	NO	83.29		6.66	83.3
15	15	cis-Chlordane	2.72e3	2.71e4	2.00	YES	1.16	1.0512	35.73	35.75	1.015	1.015	NO	91.91		6.37	69.8
16	16	Endosulfan I (alpha)		1.37e4		NO	1.23	1.0512		35.85		1.021	YES			7.62	
17	17	4,4'-DDMU	4.84e4	8.84e5	3.11	NO		1.0512	35.48	35.47	0.994	0.994	NO	132.8		1.99	133
18	18	2,4'-DDE	1.34e4	8.64e5	1.34	NO	1.02	1.0512	35.70	35.69	1.000	1.000	NO	14.42		1.45	14.4
19	19	4,4'-DDE	7.34e5	4.98e5	1.52	NO	1.04	1.0512	36.77	36.75	1.000	1.000	NO	1253		2.43	1358
20	20	Dieldrin	2.08e3	6.03e4	1.69	NO	1.03	1.0512	37.29	37.30	1.001	1.001	NO	31.98		6.14	32.0
21	21	Endrin		3.73e4		NO	1.01	1.0512		38.72		1.001	YES			5.87	
22	22	cis-Nonachlor	9.53e2	2.22e4	1.28	NO	1.00	1.0512	38.96	38.94	1.000	1.000	NO	41.27		15.3	41.3
23	23	Endosulfan II (beta)	4.58e2	7.07e3	2.36	YES	1.07	1.0512	39.65	39.67	1.000	1.000	NO	52.61		35.2	29.7
24	24	2,4'-DDD	1.01e5	5.16e5	1.52	NO	1.07	1.0512	37.50	37.69	1.000	1.000	NO	175.3		2.46	175
25	25	2,4'-DDT	1.85e4	1.90e5	1.40	NO	1.05	1.0512	39.02	39.00	1.000	1.000	NO	86.43		8.72	85.4
26	26	4,4'-DDD	2.75e5	3.15e5	1.58	NO	1.16	1.0512	39.15	39.13	1.000	1.000	NO	714.3		4.91	714
27	27	4,4'-DDT	1.48e5	1.09e5	1.37	NO	1.13	1.0512	40.20	40.24	1.000	1.001	NO	1120		16.1	1120





	#	Name	Resp	S AREA	RA	sfy	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
14	14	trans-Nonachlor	2.51e3	2.71e4	1.97	NO	1.06	1.0512	35.25	35.22	1.001	1.000	NO	83.28		6.98	83.5
15	15	cis-Chlordane	2.72e3	2.71e4	2.00	YES	1.16	1.0512	35.73	35.76	1.015	1.015	NO	91.91		6.07	69.8
16	16	Endosulfan I (alpha)		1.97e4		NO	1.23	1.0512		35.85		1.001	YES			7.22	
17	17	4,4'-DDD	4.94e4	8.84e5	3.11	NO		1.0512	35.42	35.47	0.994	0.994	NO	132.9		1.99	133
18	18	2,4'-DDE	1.24e4	8.64e5	1.24	NO	1.02	1.0512	35.75	35.69	1.020	1.020	NO	14.42		1.45	14.4
19	19	4,4'-DDE	7.24e5	4.96e5	1.52	NO	1.04	1.0512	36.77	36.75	1.000	1.000	NO	1350		2.43	1350
20	20	Dieldrin	2.09e3	6.03e4	1.69	NO	1.03	1.0512	37.29	37.30	1.001	1.001	NO	31.95		6.14	32.0
21	21	Endrin		3.73e4		NO	1.01	1.0512		38.73		1.001	YES			8.67	
22	22	cis-Nonachlor [illegible]	8.75e2	2.22e4	1.66	NO	1.00	1.0512	38.90	38.94	1.000	1.000	NO	37.47		15.3	37.5
23	23	Endosulfan II (beta)	4.58e2	7.62e3	2.36	YES	1.07	1.0512	39.65	39.67	1.009	1.009	NO	52.61		39.2	39.7
24	24	2,4'-DDD	1.01e5	5.16e5	1.52	NO	1.07	1.0512	37.53	37.69	1.009	1.009	NO	175.3		3.46	175
25	25	2,4'-DDT	1.85e4	1.90e5	1.40	NO	1.05	1.0512	39.02	39.00	1.009	1.009	NO	88.43		8.72	88.4
26	26	4,4'-DDD	2.75e5	3.15e5	1.58	NO	1.16	1.0512	39.15	39.13	1.000	1.000	NO	714.3		4.91	714
27	27	4,4'-DDT	1.46e5	1.05e5	1.37	NO	1.13	1.0512	40.26	40.24	1.000	1.001	NO	1125		16.1	1129

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Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
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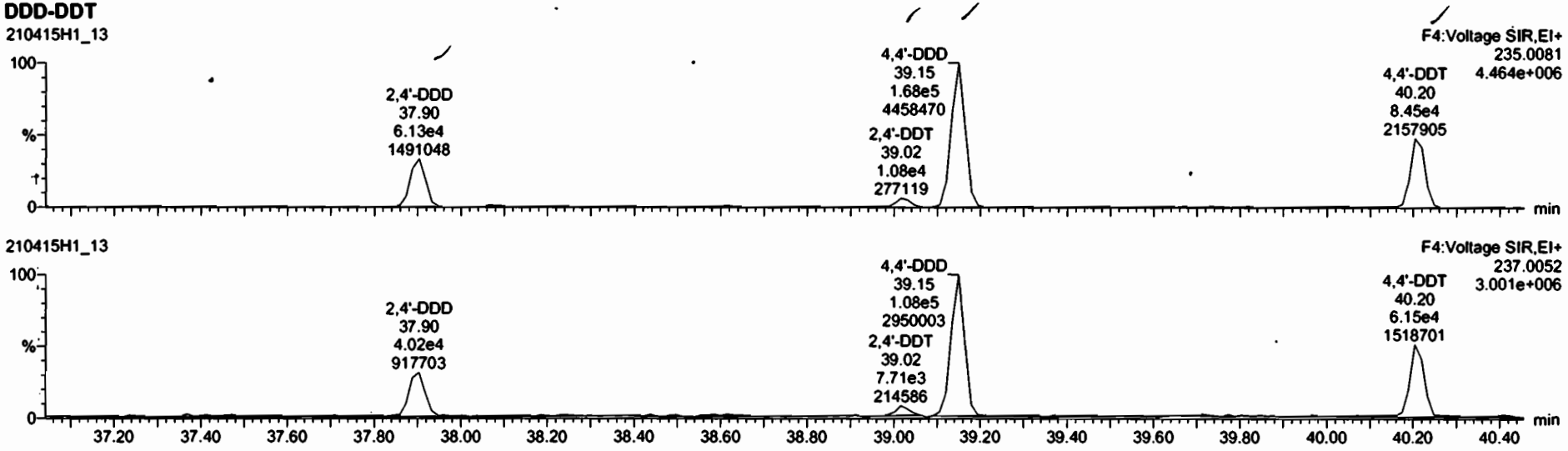
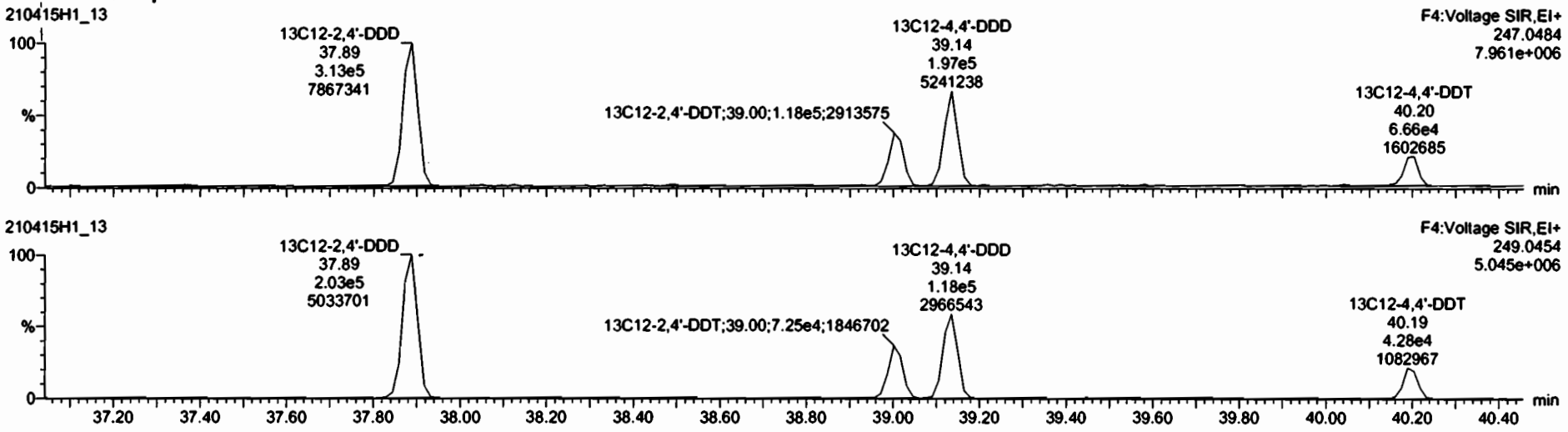
Name: 210415H1_13, Date: 15-Apr-2021, Time: 19:19:07, ID: 2103216-04RE1 USMPDI-059RAB-00-10-210318 1.19, Description: USMPDI-059RAB-00-10-210318

DDD-DDT



DDD-DDT-isotopes



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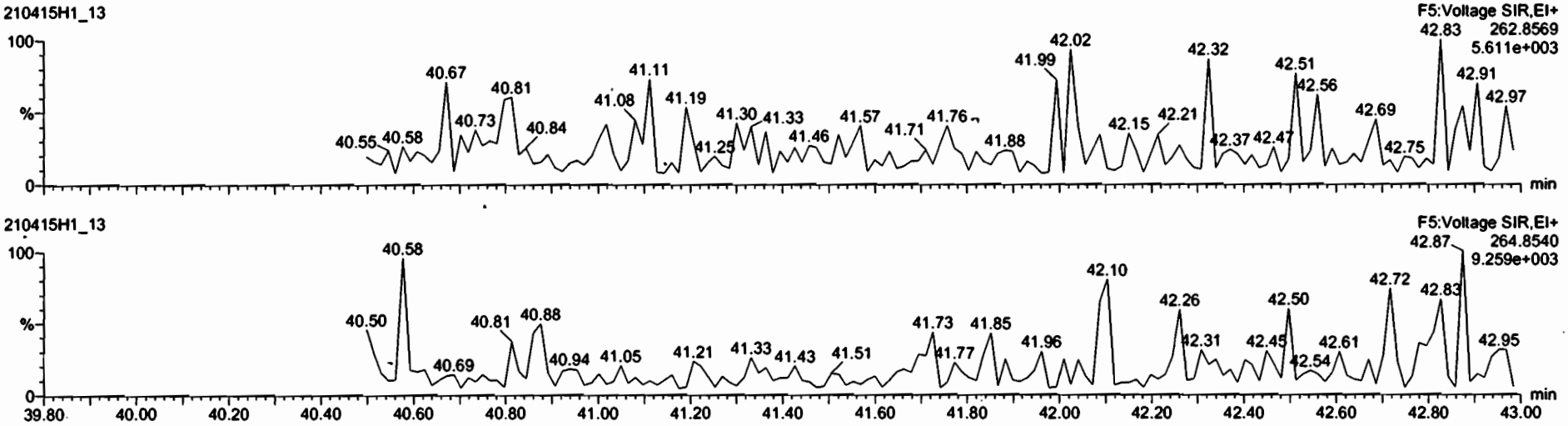
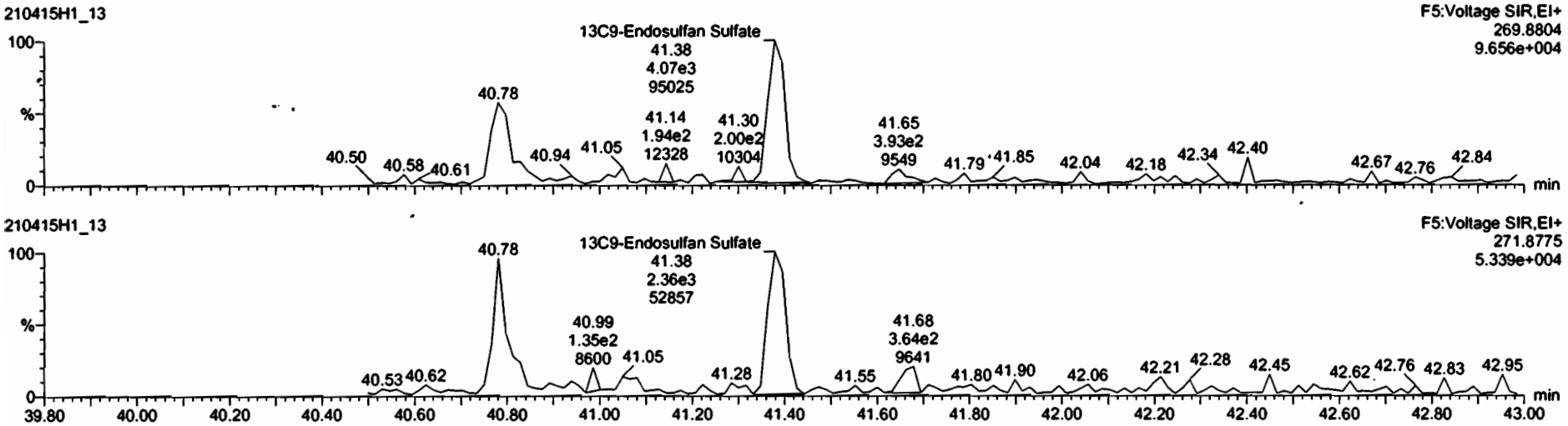
Endosulfan Sulfate



13C9-Endosulfan Sulfate



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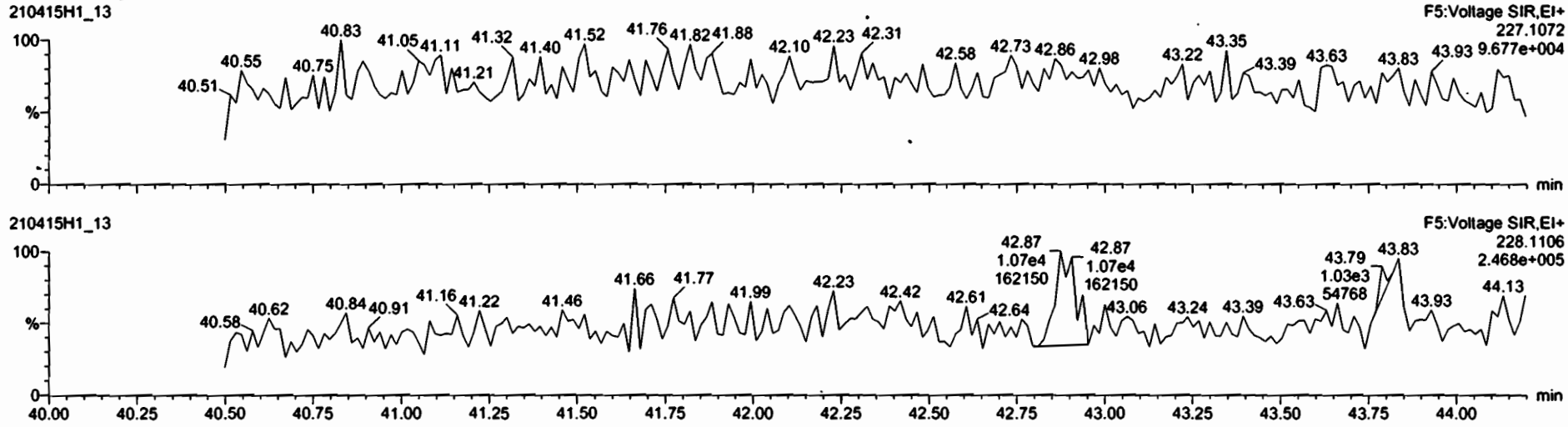
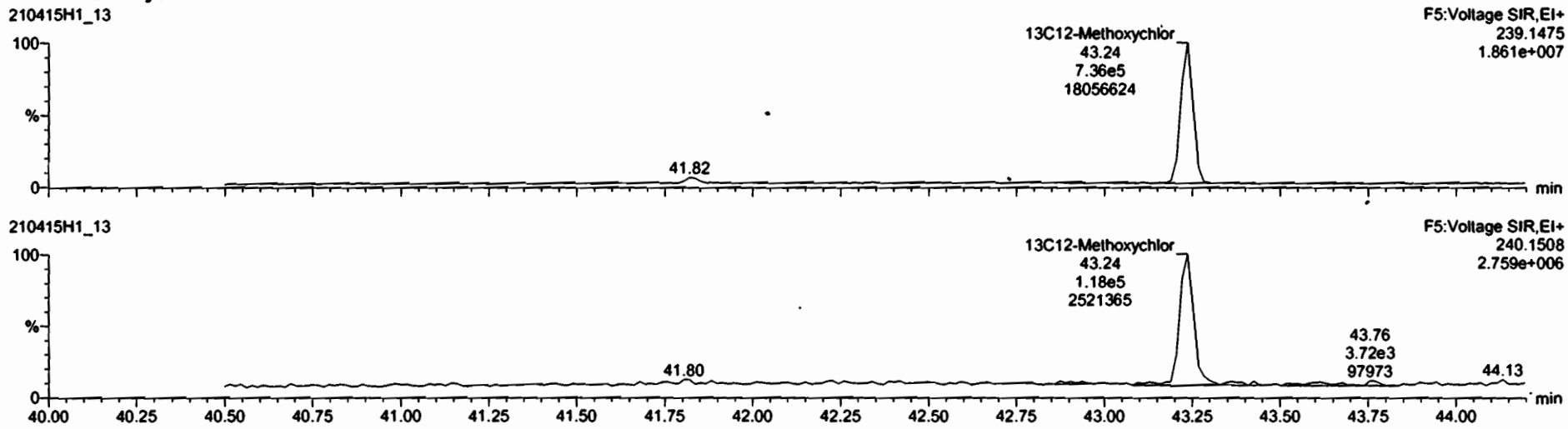
4,4'-Methoxychlor



13C12-Methoxychlor



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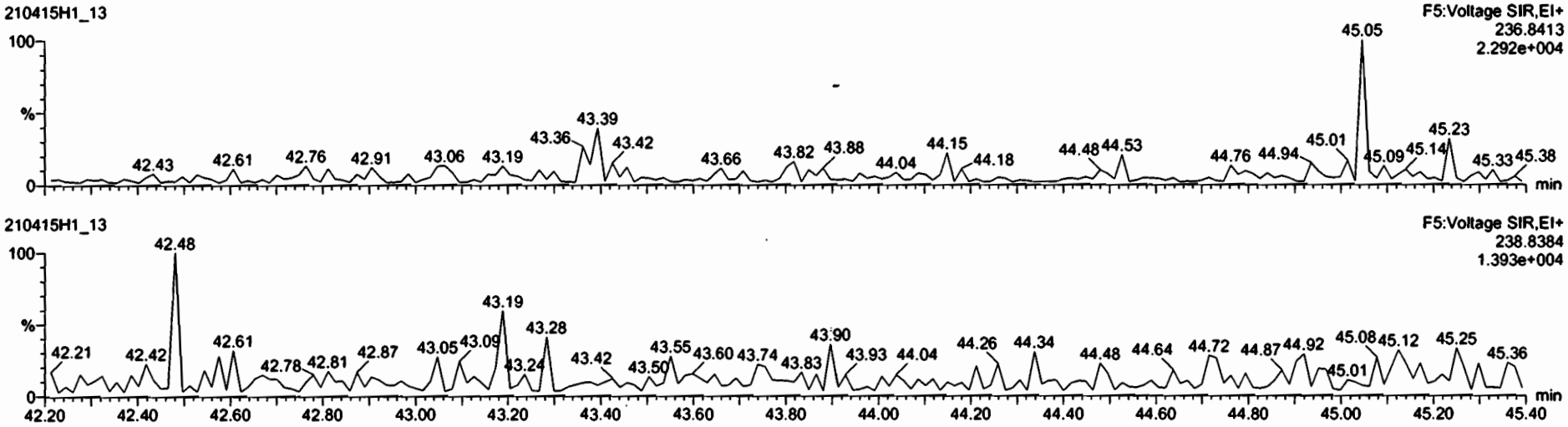
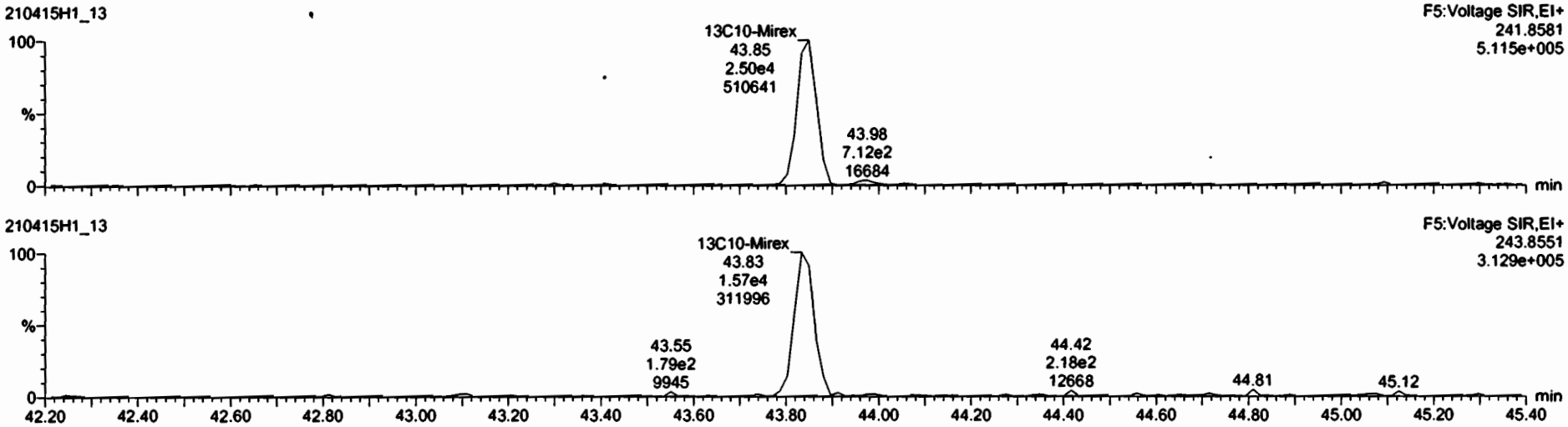
Mirex



13C10-Mirex



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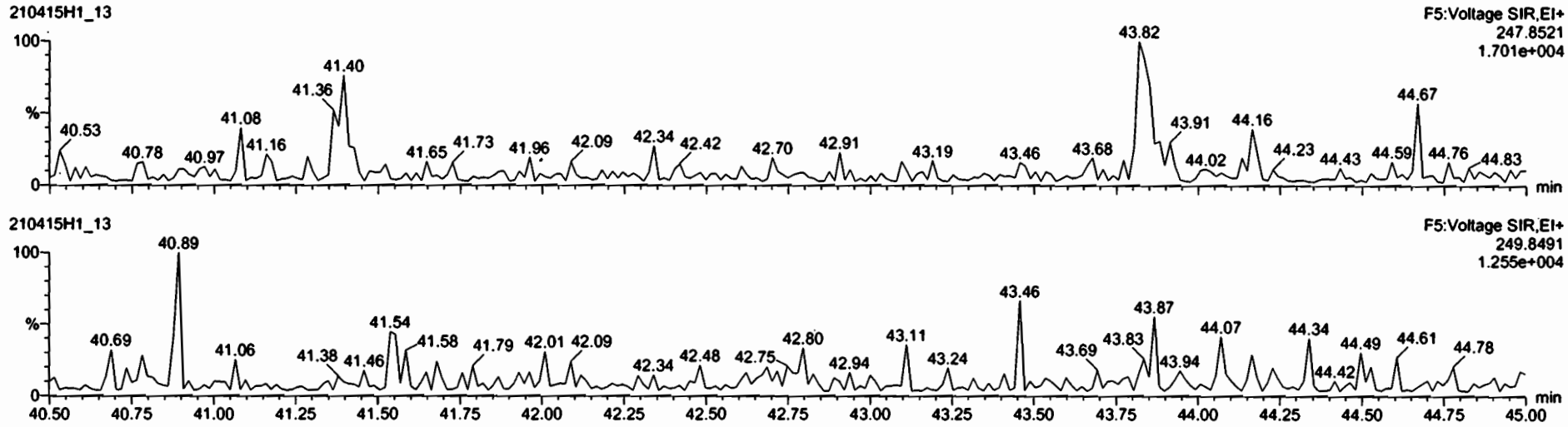
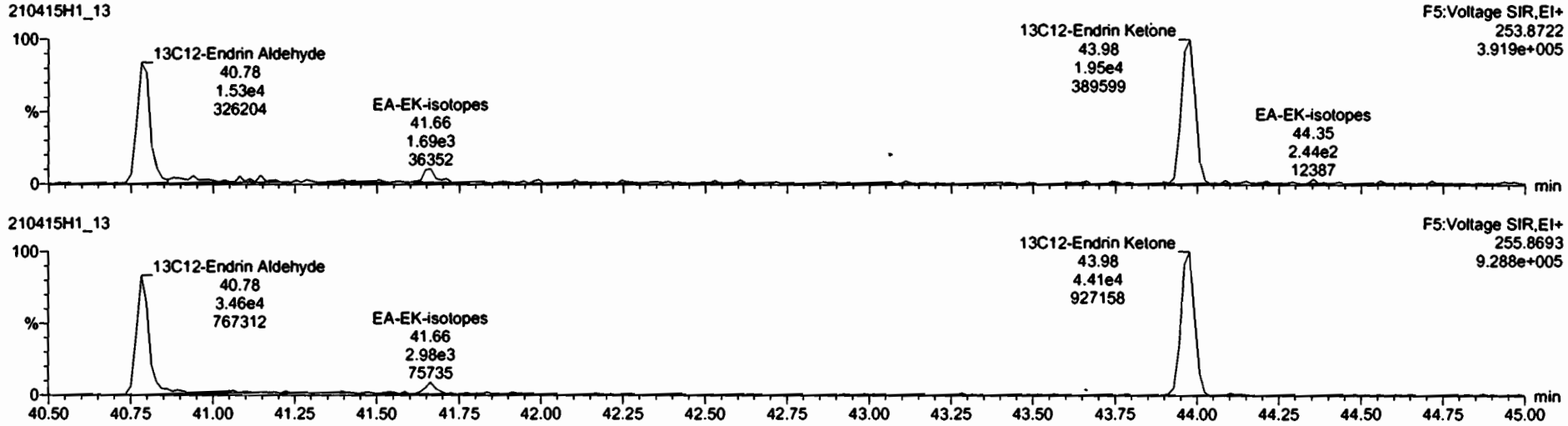
Name: 210415H1_13, Date: 15-Apr-2021, Time: 19:19:07, ID: 2103216-04RE1 USMPDI-059RAB-00-10-210318 1.19, Description: USMPDI-059RAB-00-10-210318

EA-EK



EA-EK-isotopes



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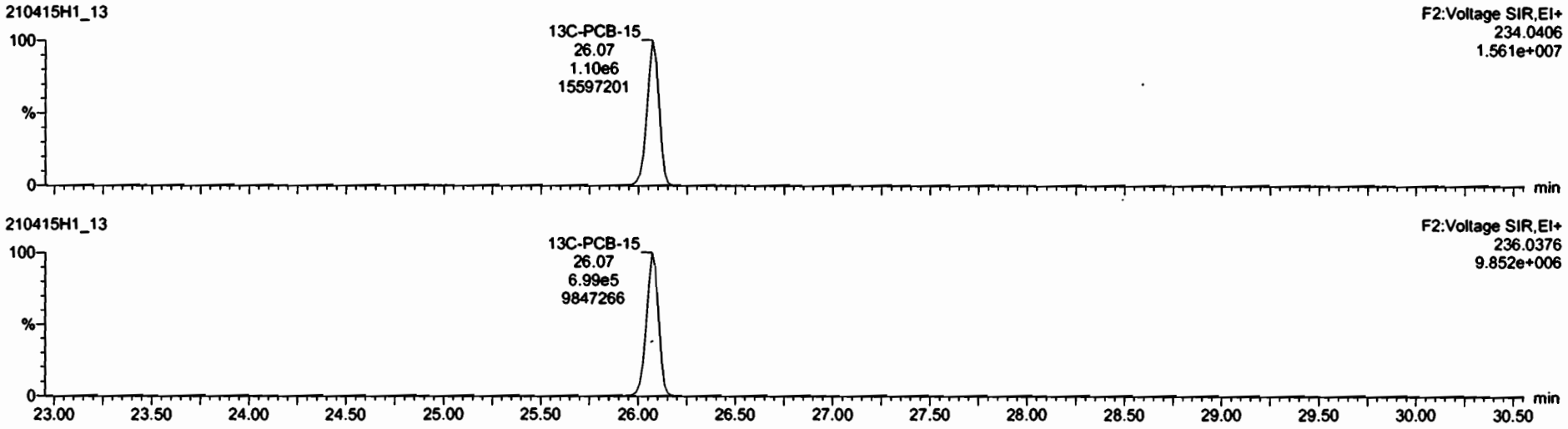
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_13, Date: 15-Apr-2021, Time: 19:19:07, ID: 2103216-04RE1 USMPDI-059RAB-00-10-210318 1.19, Description: USMPDI-059RAB-00-10-210318

13C-PCB-15



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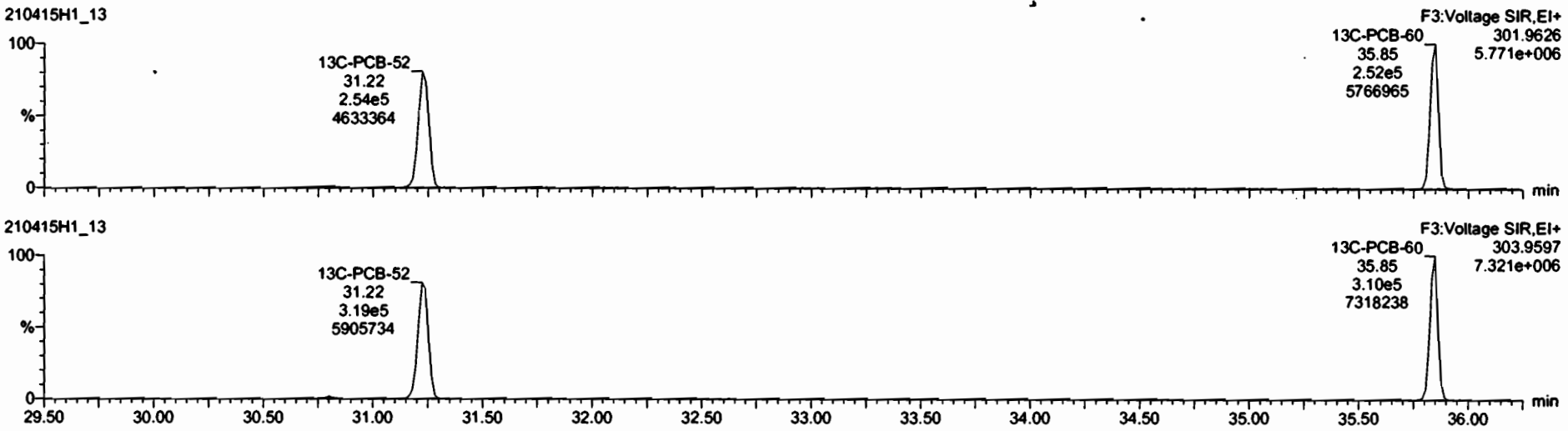

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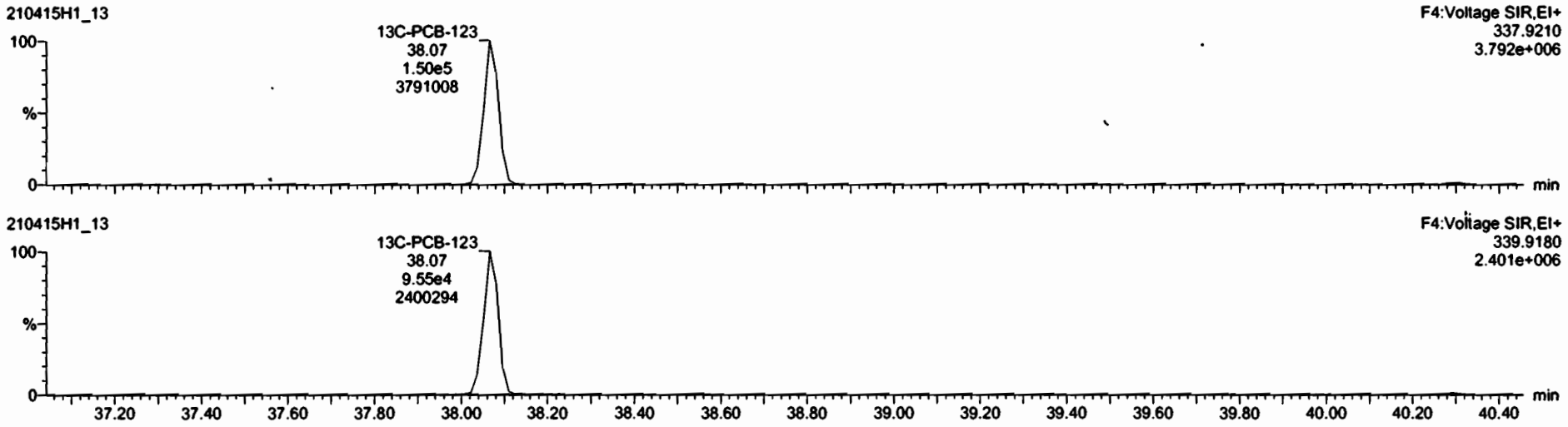
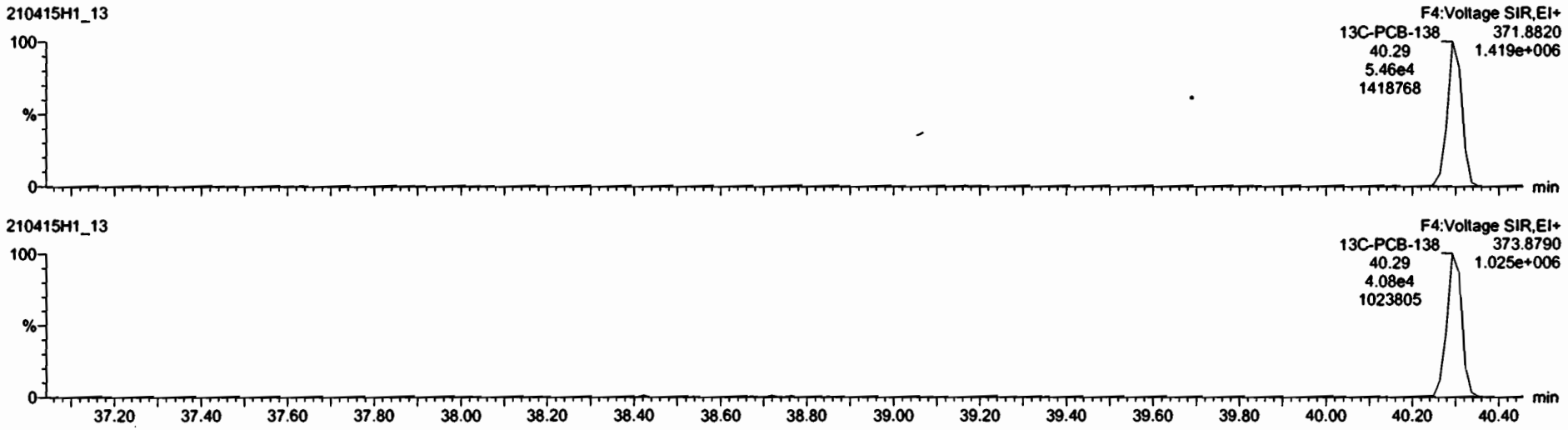
Name: 210415H1_13, Date: 15-Apr-2021, Time: 19:19:07, ID: 2103216-04RE1 USMPDI-059RAB-00-10-210318 1.19, Description: USMPDI-059RAB-00-10-210318

13C-PCB-123



13C-PCB-138



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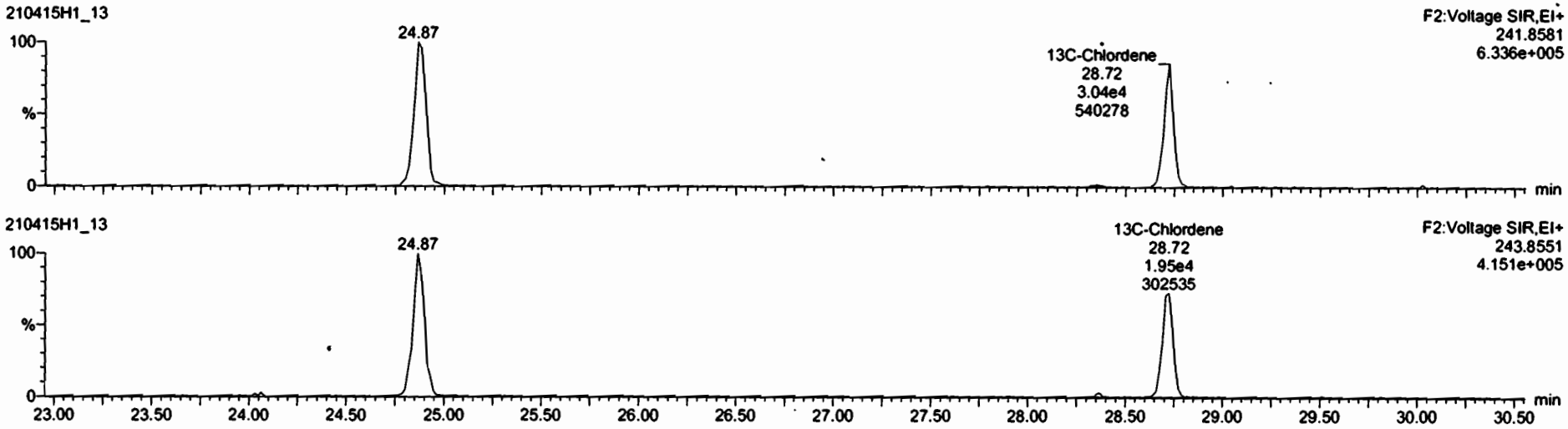
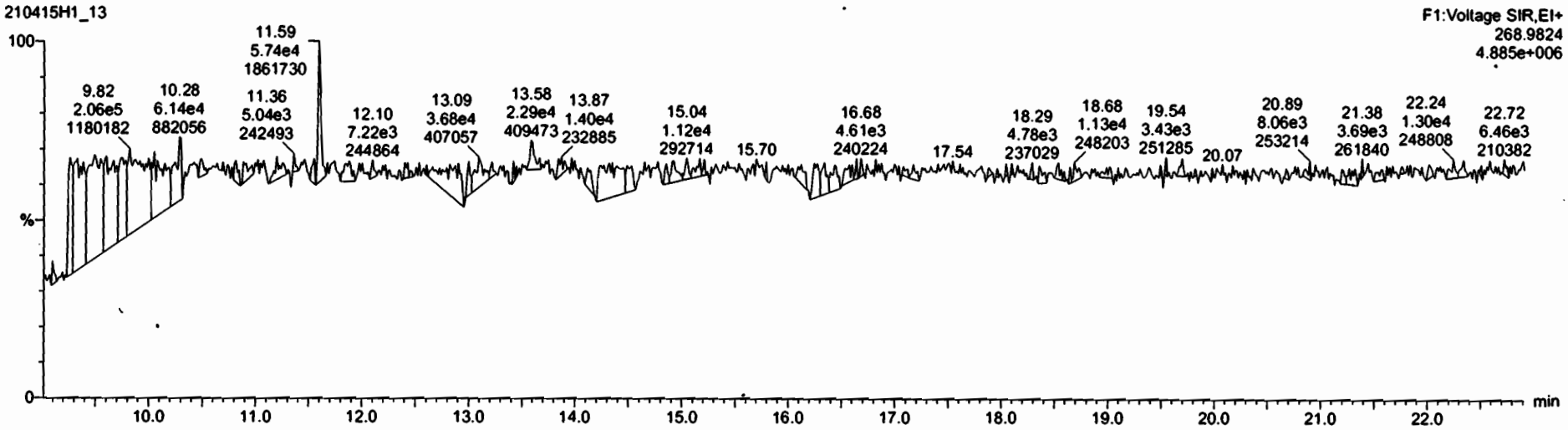
Name: 210415H1_13, Date: 15-Apr-2021, Time: 19:19:07, ID: 2103216-04RE1 USMPDI-059RAB-00-10-210318 1.19, Description: USMPDI-059RAB-00-10-210318

13C-Chlordene



PFK1



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Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
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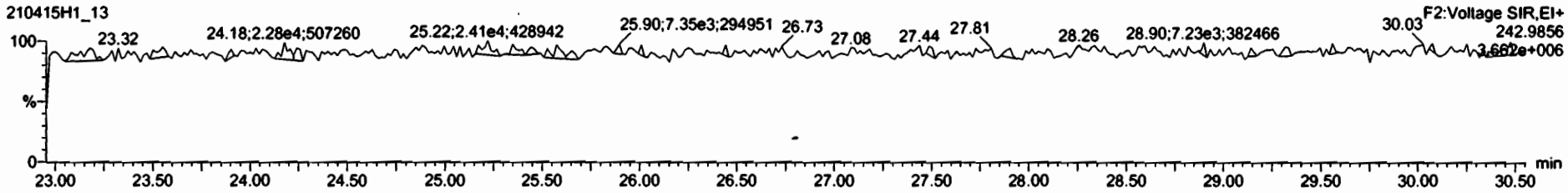
Name: 210415H1_13, Date: 15-Apr-2021, Time: 19:19:07, ID: 2103216-04RE1 USMPDI-059RAB-00-10-210318 1.19, Description: USMPDI-059RAB-00-10-210318

PFK2



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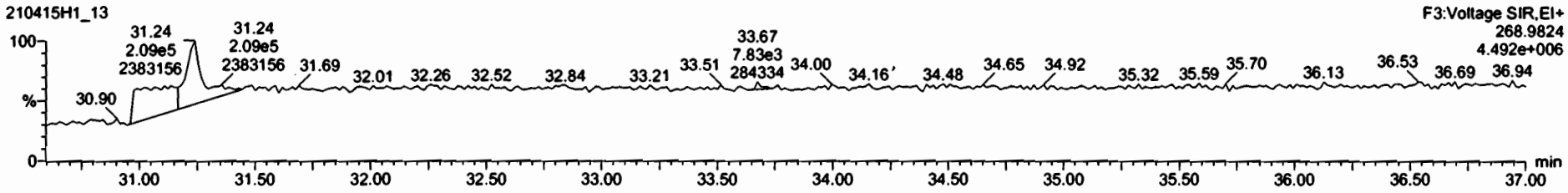

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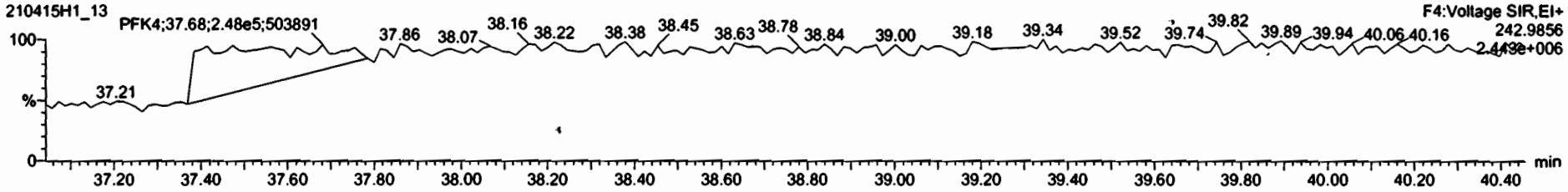

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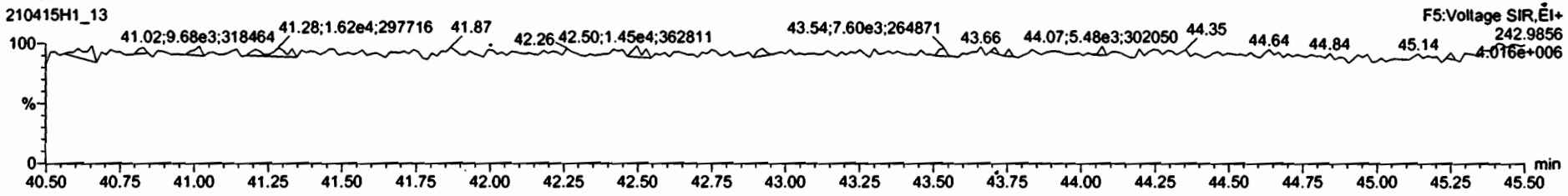

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_12.qld

Last Altered: Monday, April 19, 2021 13:05:36 Pacific Daylight Time
Printed: Monday, April 19, 2021 13:05:53 Pacific Daylight Time

OC 04/28/21
04/19/21
TF 04/17/21

C 05/03/2021

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210415H1_12, Date: 15-Apr-2021, Time: 18:30:47, ID: 2103216-05RE1 USMPDI-059RAB-10-20-210318 1.27, Description: USMPDI-059RAB-10-20-210318, Task: ST210415H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	4	Lindane (gamma-...		2.15e5		NO	0.860	1.029			1.000	YES			2.80	
2	9	Aldrin		1.34e5		NO	1.09	1.029			1.001	YES			2.18	
3	10	Oxychlordane		3.27e4		NO	1.06	1.029			1.001	YES			8.04	
4	13	trans-Chlordane (g...	6.66e2	2.29e4	1.37	NO	1.14	1.029	35.05	1.000	1.001	NO	24.848		9.19	24.8
5	14	trans-Nonachlor		2.23e4		NO	1.06	1.029			1.000	YES			10.8	
6	15	cis-Chlordane		2.23e4		NO	1.16	1.029			1.016	YES			9.78	
7	18	2,4'-DDE	1.75e4	7.27e5	1.40	NO	1.02	1.029	35.69	1.000	1.000	NO	22.880		1.87	22.9
8	19	4,4'-DDE	1.15e5	4.20e5	1.55	NO	1.04	1.029	36.75	1.000	1.000	NO	256.26		2.99	256
9	20	Dieldrin	1.46e3	4.99e4	0.75	YES	1.03	1.029	37.28	1.001	1.001	NO	27.732		8.89	19.5
10	22	cis-Nonachlor		1.76e4		NO	1.00	1.029			1.000	YES			21.1	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_12.qld

Last Altered: Monday, April 19, 2021 13:05:36 Pacific Daylight Time
Printed: Monday, April 19, 2021 13:06:11 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210415H1_12, Date: 15-Apr-2021, Time: 18:30:47, ID: 2103216-05RE1 USMPDI-059RAB-10-20-210318 1.27, Description: USMPDI-059RAB-10-20-210318, Task: ST210415H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	24	2,4'-DDD	1.54e5	4.34e5	1.53	NO	1.07	1.029	37.89	1.000	1.000	NO	323.89		5.34	324
2	25	2,4'-DDT	1.25e4	1.46e5	1.21	NO	1.05	1.029	39.02	1.000	1.000	NO	79.202		15.9	79.2
3	26	4,4'-DDD	4.60e5	2.70e5	1.51	NO	1.16	1.029	39.13	1.000	1.000	NO	1423.1		8.34	1420
4	27	4,4'-DDT	3.41e4	9.79e4	1.51	NO	1.13	1.029	40.20	1.000	1.001	NO	299.27		22.6	299
5	36	13C6-Lindane (ga...	2.15e5	1.74e6	0.78	NO	0.194	1.029	26.57	1.020	1.019	NO	621.18	63.9	3.02	
6	40	13C12-Aldrin	1.34e5	1.74e6	1.57	NO	0.154	1.029	30.79	1.182	1.181	NO	485.93	50.0	1.51	
7	41	13C10-Oxychlorda...	3.27e4	1.74e6	1.61	NO	0.0404	1.029	33.35	1.280	1.280	NO	452.44	46.5	5.76	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_12.qld

Last Altered: Monday, April 19, 2021 13:05:36 Pacific Daylight Time
Printed: Monday, April 19, 2021 13:06:32 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210415H1_12, Date: 15-Apr-2021, Time: 18:30:47, ID: 2103216-05RE1 USMPDI-059RAB-10-20-210318 1.27, Description: USMPDI-059RAB-10-20-210318, Task: ST210415H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	43	13C10-trans-Chlor...	2.29e4	1.74e6	1.48	NO	0.0358	1.029	35.03	1.344	1.344	NO	357.38	36.8	6.50	
2	44	13C10-trans-Nona...	2.23e4	5.15e5	1.59	NO	0.0638	1.029	35.22	0.983	0.983	NO	660.34	67.9	6.94	
3	46	13C12-2,4'-DDE	7.27e5	5.15e5	1.57	NO	1.43	1.029	35.67	0.996	0.995	NO	956.65	98.4	2.63	
4	47	13C12-4,4'-DDE	4.20e5	5.15e5	1.58	NO	0.995	1.029	36.74	1.025	1.026	NO	797.76	82.1	3.79	
5	48	13C12-Dieldrin	4.99e4	5.15e5	1.63	NO	0.146	1.029	37.25	1.040	1.040	NO	643.59	66.2	5.22	
6	50	13C10-cis-Nonach...	1.76e4	5.15e5	1.61	NO	0.0791	1.029	38.93	1.086	1.087	NO	418.80	43.1	9.65	
7	52	13C12-2,4'-DDD	4.34e5	5.15e5	1.56	NO	1.35	1.029	37.87	1.057	1.057	NO	605.52	62.3	5.92	
8	53	13C12-2,4'-DDT	1.46e5	5.15e5	1.51	NO	0.962	1.029	39.00	1.088	1.089	NO	286.53	29.5	8.32	
9	54	13C12-4,4'-DDD	2.70e5	5.15e5	1.66	NO	1.12	1.029	39.12	1.092	1.092	NO	453.09	46.6	7.12	
10	55	13C12-4,4'-DDT	9.79e4	5.15e5	1.71	NO	0.735	1.029	40.19	1.122	1.122	NO	251.34	25.9	10.9	
11	62	13C-PCB-15	1.74e6	1.74e6	1.58	NO	1.00	1.029	26.06	1.000	1.000	NO	972.25	100	0.968	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_12.qld

Last Altered: Monday, April 19, 2021 13:05:36 Pacific Daylight Time
Printed: Monday, April 19, 2021 13:07:12 Pacific Daylight Time

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Name: 210415H1_12, Date: 15-Apr-2021, Time: 18:30:47, ID: 2103216-05RE1 USMPDI-059RAB-10-20-210318 1.27, Description: USMPDI-059RAB-10-20-210318, Task: ST210415H1_1

	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	63 13C-PCB-60	5.15e5	5.15e5	0.82	NO	1.00	1.029	35.83	1.000	1.000	NO	972.25	100	1.34	

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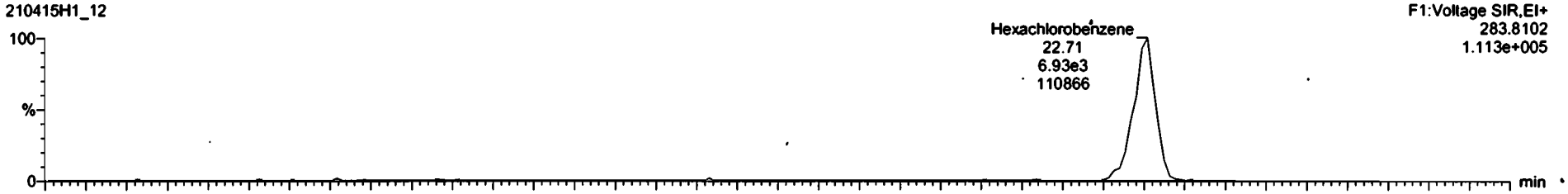
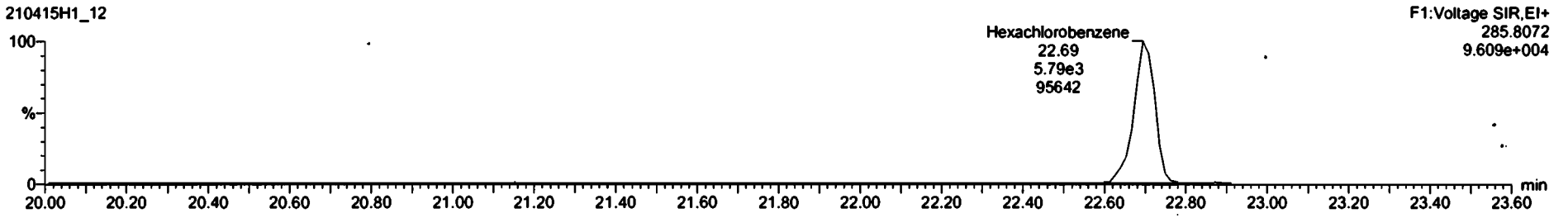
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

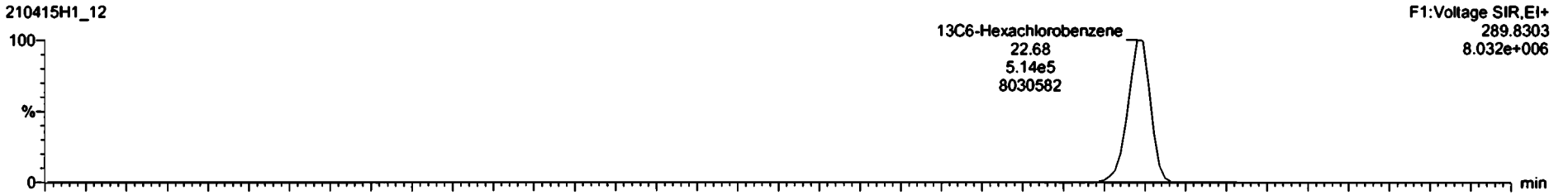
Name: 210415H1_12, Date: 15-Apr-2021, Time: 18:30:47, ID: 2103216-05RE1 USMPDI-059RAB-10-20-210318 1.27, Description: USMPDI-059RAB-10-20-210318

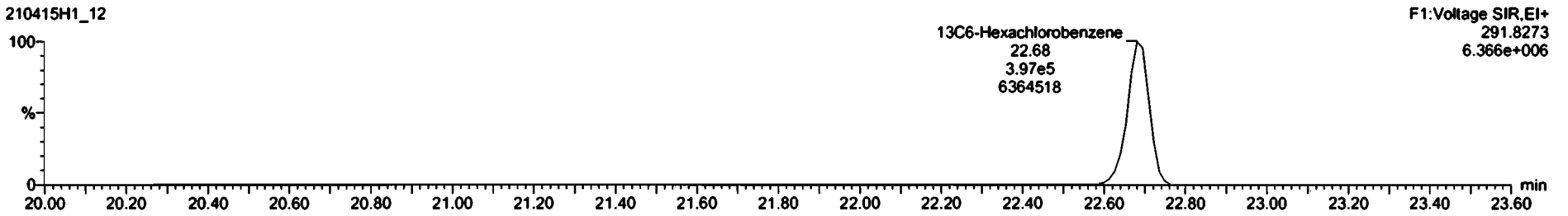
Hexachlorobenzene





13C6-Hexachlorobenzene





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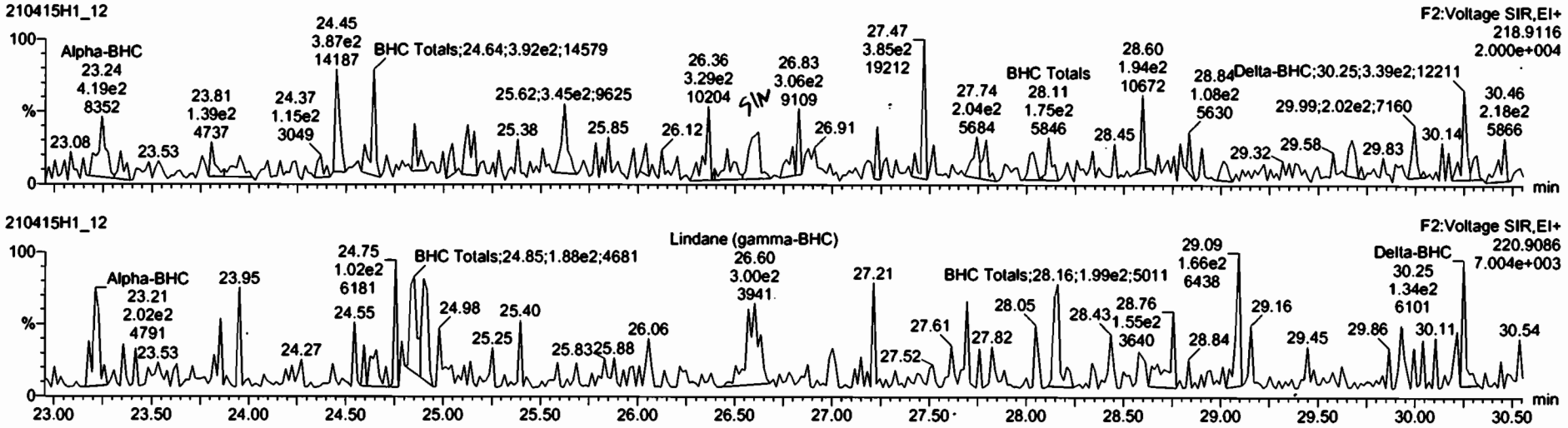
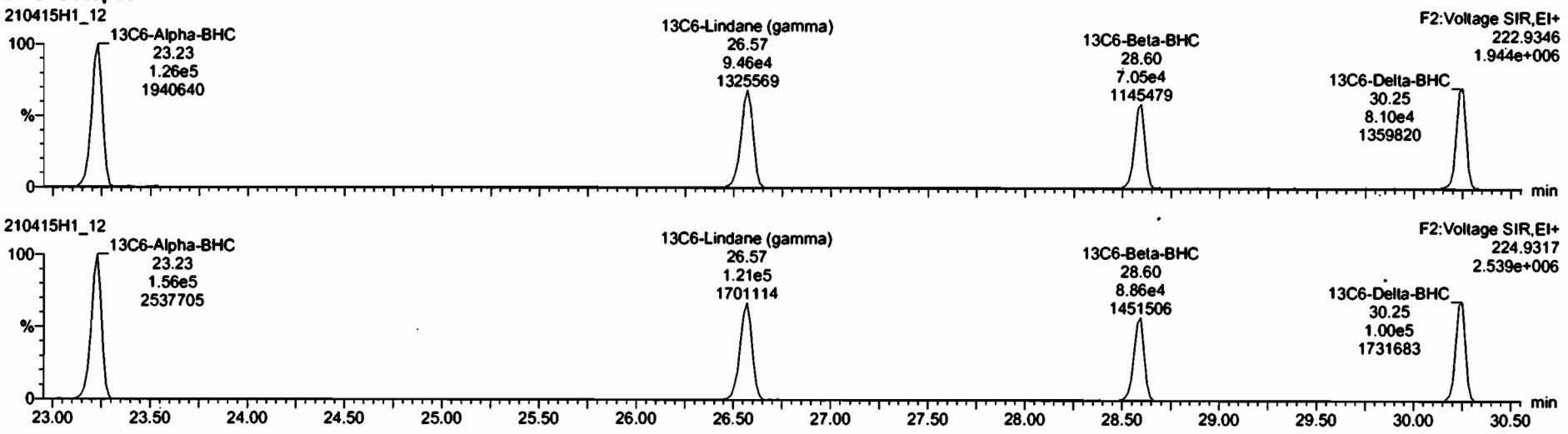
Name: 210415H1_12, Date: 15-Apr-2021, Time: 18:30:47, ID: 2103216-05RE1 USMPDI-059RAB-10-20-210318 1.27, Description: USMPDI-059RAB-10-20-210318

BHC Totals



BHC-isotopes



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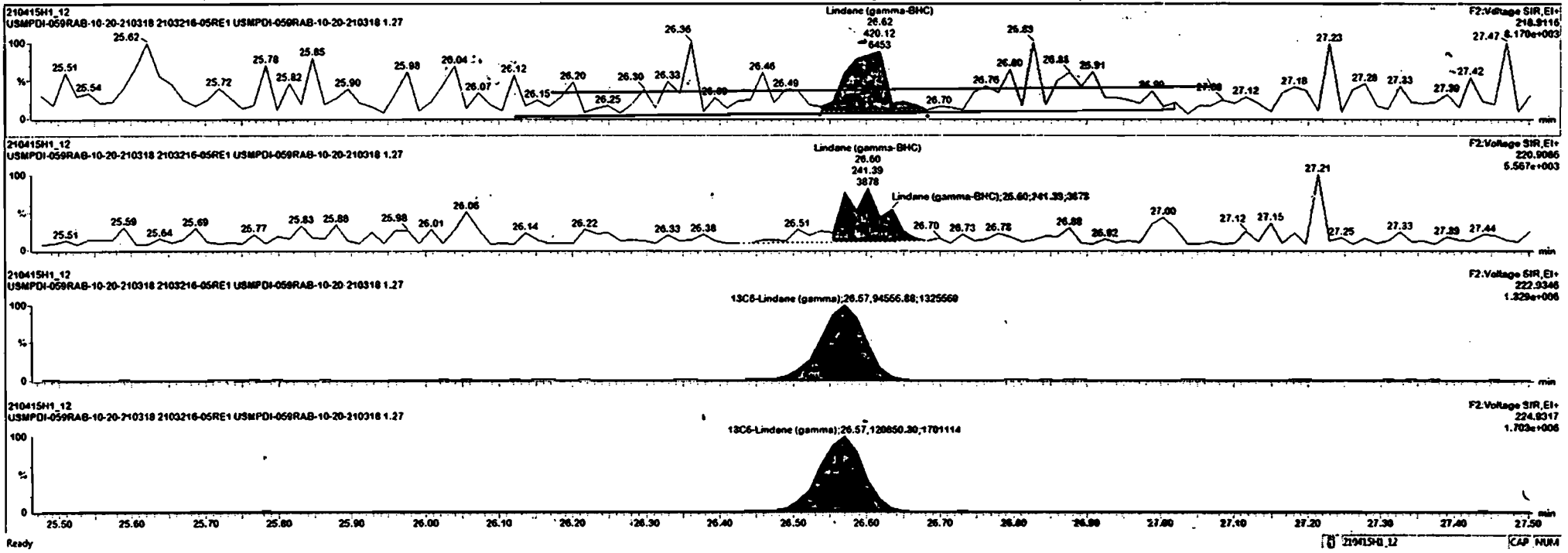
210415H1_12 - 2103216-05RE1,USMPDI-059RAB-10-20-210318 1.27, USMPDI-059RAB-10-20-210318

	#	Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
1	1	Hexachlorobutadiene	1.87e4	1.49e6	0.26	YES	0.10	1.0285	9.98	9.99	1.000	1.002	NO	1195		1.87	474
2	2	Hexachlorobenzene	1.27e4	9.11e5	1.20	NO	0.98	1.0285	22.71	22.69	1.000	1.000	NO	13.80		0.0621	13.8
3	3	Alpha-BHC	6.21e2	2.62e5	2.67	NO	0.83	1.0285	23.24	23.26	1.001	1.001	NO	2.585		2.02	2.59
4	4	Lindane (gamma-BHC)	6.62e2	2.15e5	1.74	NO	0.86	1.0285	26.62	26.58	1.002	1.000	NO	3.473		2.80	3.47
5	5	Beta-BHC		1.55e5		NO	1.00	1.0285		28.62		1.001	YES			2.21	
6	6	Delta-BHC	4.73e2	1.61e5	2.52	NO	0.91	1.0285	30.25	30.26	1.000	1.001	NO	2.798		2.43	2.80
7	7	Heptachlor		1.07e5		NO	1.10	1.0285		28.74		1.001	YES			0.875	
8	8	4,4'-DDMU	2.65e3	1.61e5	5.15	YES	1.25	1.0285	30.17	30.19	0.997	0.998	NO	15.67		6.94	10.5
9	9	Aldrin	4.59e2	1.34e5	1.56	NO	1.09	1.0285	30.62	30.62	1.001	1.001	NO	2.051		2.18	3.05
10	10	Oxychlordane		3.27e4		NO	1.06	1.0285		33.39		1.001	YES			8.04	
11	11	cis-Heptachlor Epoxide		4.17e4		NO	1.38	1.0285		34.16		1.001	YES			5.70	
12	12	trans-Heptachlor Epoxide		4.17e4		NO	0.29	1.0285		34.67		1.016	YES			21.1	
13	13	trans-Chlordane (gamma)	7.64e2	2.26e5	1.13	YES	1.14	1.0285	35.05	35.07	1.000	1.001	NO	25.25		6.15	25.5
14	14	trans-Nonachlor	5.09e2	2.23e5	3.67	YES	1.08	1.0285	35.24	35.22	1.000	1.000	NO	20.93		10.8	11.5



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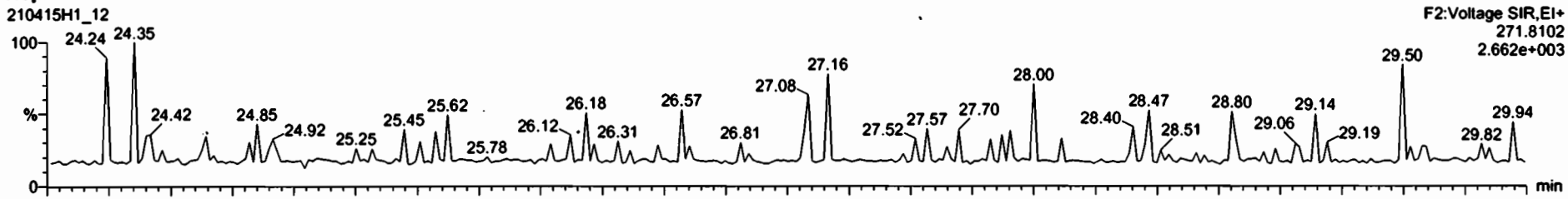
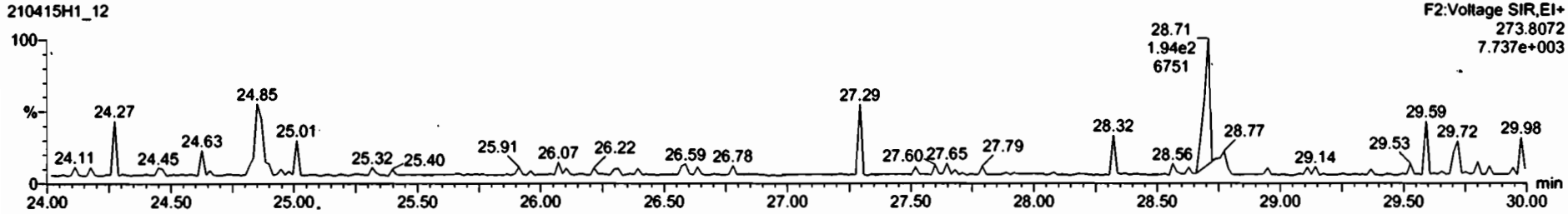
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

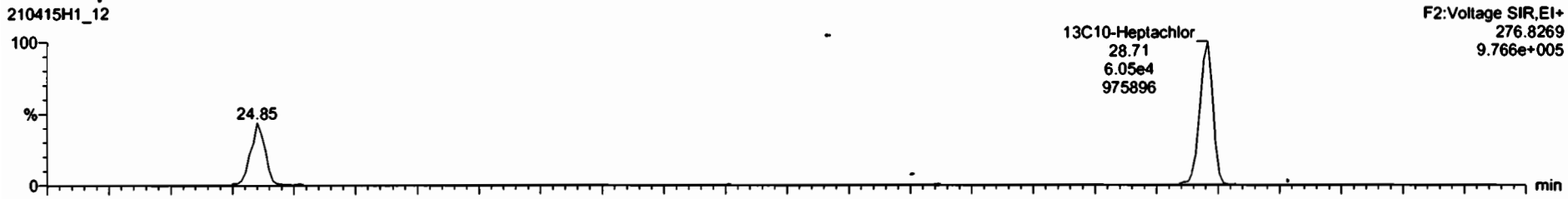
Name: 210415H1_12, Date: 15-Apr-2021, Time: 18:30:47, ID: 2103216-05RE1 USMPDI-059RAB-10-20-210318 1.27, Description: USMPDI-059RAB-10-20-210318

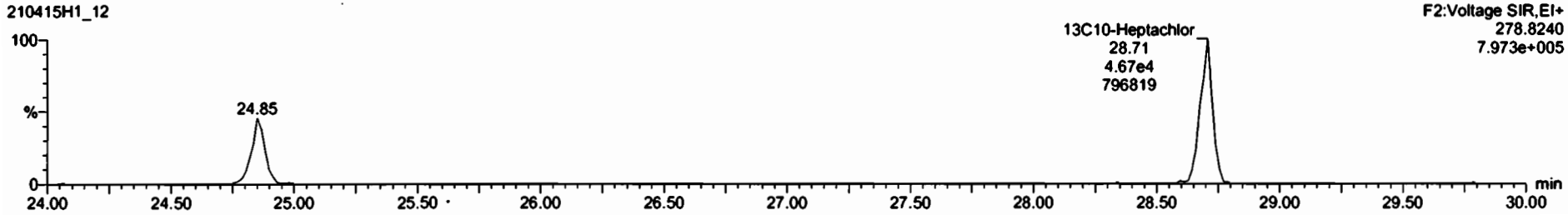
Heptachlor





13C10-Heptachlor



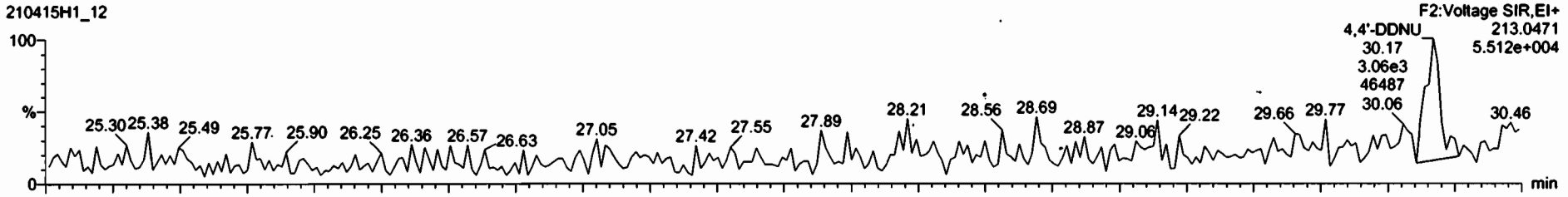


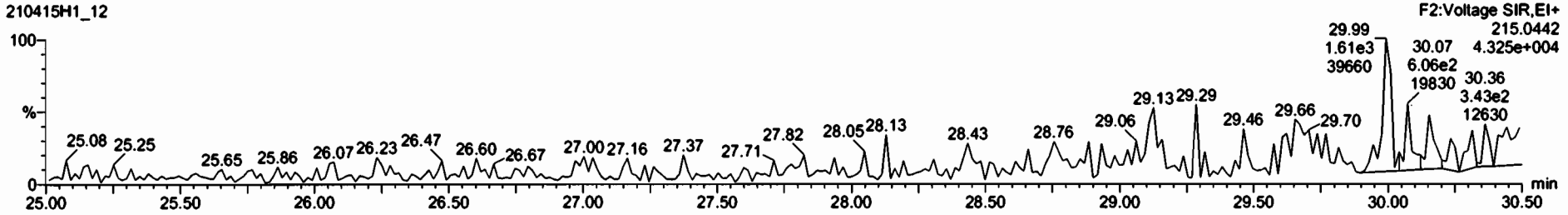
Dataset: Untitled

Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

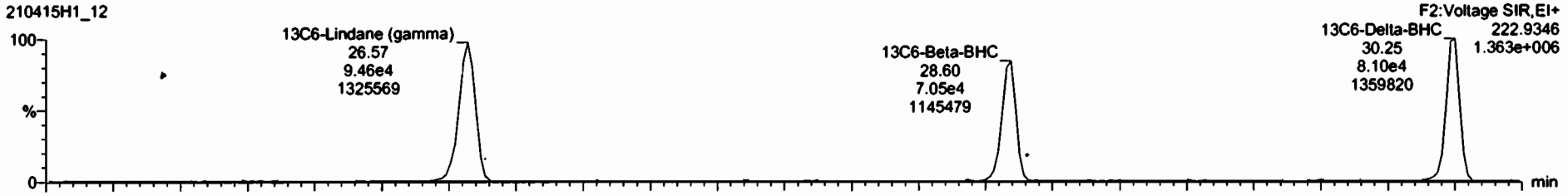
Name: 210415H1_12, Date: 15-Apr-2021, Time: 18:30:47, ID: 2103216-05RE1 USMPDI-059RAB-10-20-210318 1.27, Description: USMPDI-059RAB-10-20-210318

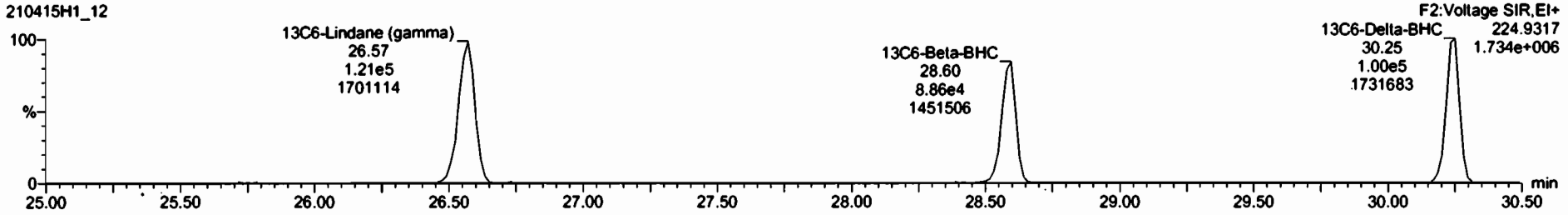
4,4'-DDNU





13C6-Delta-BHC





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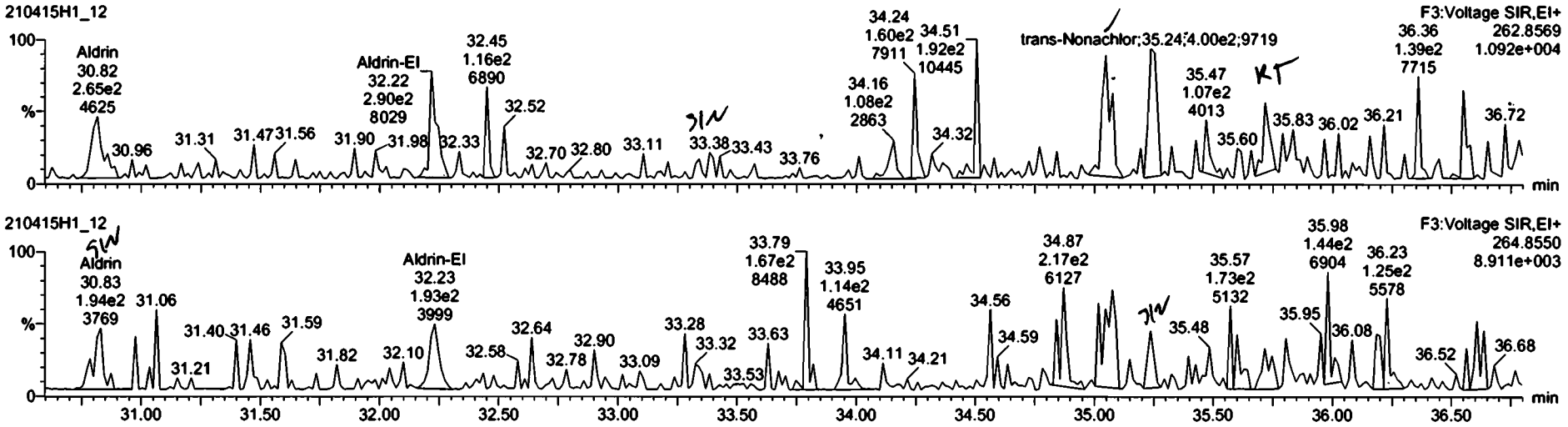
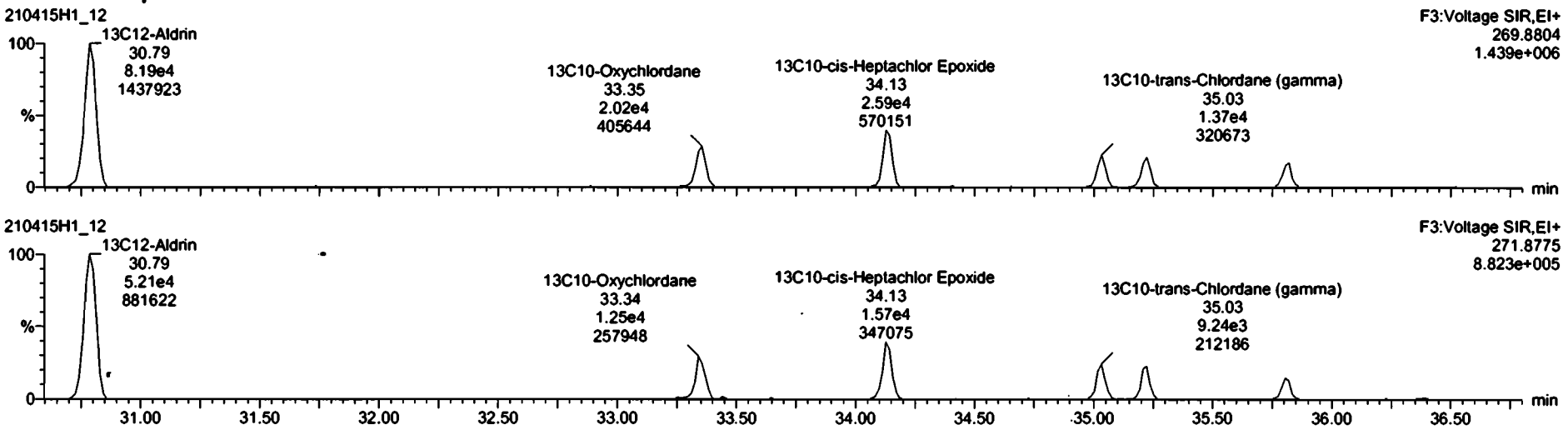
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_12, Date: 15-Apr-2021, Time: 18:30:47, ID: 2103216-05RE1 USMPDI-059RAB-10-20-210318 1.27, Description: USMPDI-059RAB-10-20-210318

Aldrin-EI



Aldrin-EI-isotopes

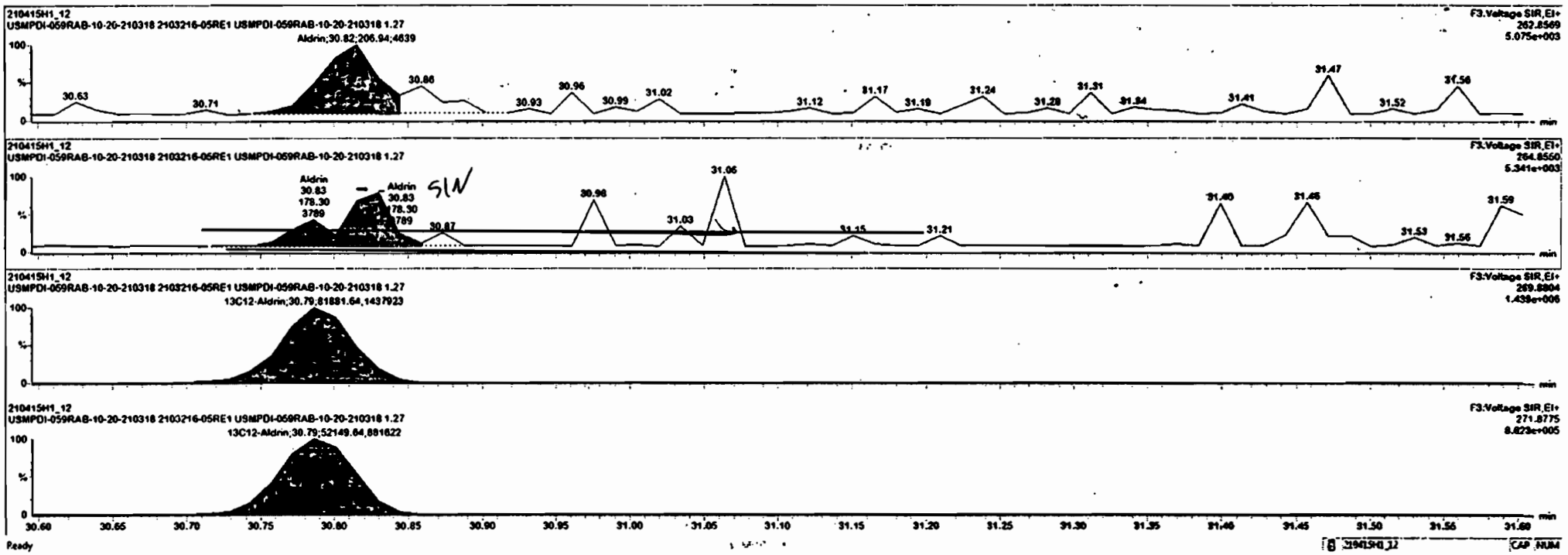


TargetLynx - 210415H1_12.qld : [Chromatogram]

File Edit View Display Processing Window Help

210415H1_12 : 2103216-05RE1 USMPDI-059RAB-10-20-210318 1.27 , USMPDI-059RAB-10-20-210318

	#	Name	Resp	IS AREA	RA	n/y	RRF	w/vol	RT	Pred.RT	RRT	Pred.RRT	Check RRT	Conc	%Rec	DL	EMPC
1	1	Hexachlorobutadiene	1.67e4	1.49e6	0.28	YES	0.10	1.0285	9.98	9.99	1.001	1.002	NO	1195		1.27	474
2	2	Hexachlorobenzene	1.27e4	9.11e5	1.20	NO	0.96	1.0285	22.71	22.69	1.001	1.000	NO	13.86		0.0621	13.8
3	3	Alpha-BHC	6.21e2	2.62e5	2.67	NO	0.83	1.0285	23.24	23.26	1.001	1.001	NO	2.585		2.22	2.59
4	4	Lindane (gamma-BHC)	6.62e2	2.15e5	1.74	NO	0.86	1.0285	26.62	26.58	1.002	1.000	NO	3.473		2.20	3.47
5	5	Beta-BHC		1.59e5		NO	1.00	1.0285		28.62		1.001	YES			2.81	
6	6	Delta-BHC	4.73e2	1.81e5	2.62	NO	0.91	1.0285	30.25	30.26	1.000	1.001	NO	2.795		2.63	2.80
7	7	Heptachlor		1.07e5		NO	1.10	1.0285		28.74		1.001	YES			0.875	
8	8	4,4'-DDMU	3.65e3	1.81e5	5.15	YES	1.25	1.0285	30.17	30.19	0.997	0.998	NO	15.67		4.94	13.5
9	9	Aldrin	3.85e2	1.34e5	1.16	YES	1.08	1.0285	30.82	30.82	1.001	1.001	NO	2.560		2.18	2.29
10	10	Oxychlordane		3.27e4		NO	1.36	1.0285		33.39		1.001	YES			8.04	
11	11	cis-Heptachlor Epoxide		4.17e4		NO	1.28	1.0285		34.16		1.001	YES			5.70	
12	12	trans-heptachlor Epoxide		4.17e4		NO	0.25	1.0285		34.67		1.015	YES			21.1	
13	13	trans-Chlordane (gamma)	5.66e2	2.26e4	1.37	NO	1.14	1.0285	35.05	35.07	1.000	1.001	NO	24.85		9.19	24.8
14	14	trans-Nonachlor	5.19e2	2.23e4	3.69	YES	1.08	1.0285	35.24	35.22	1.000	1.000	NO	21.25		10.8	11.6



Ready

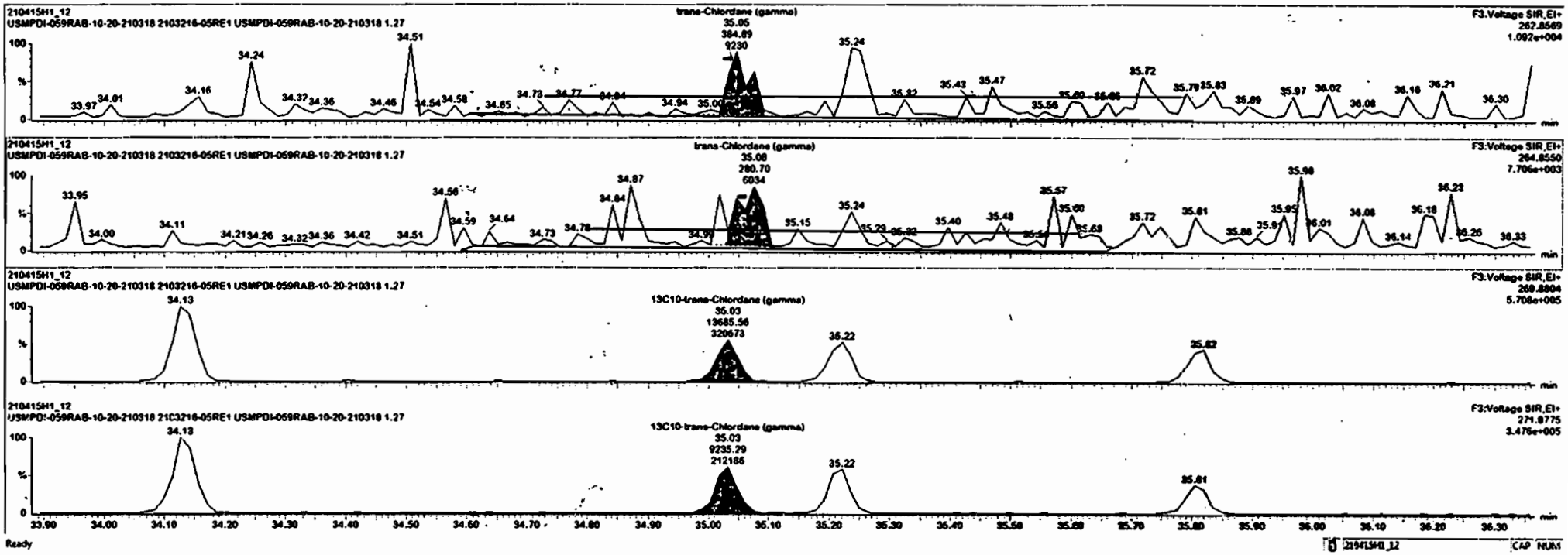
210415H1_12 CAP NUM

TargetLynx - 210415H1_12.qld - [Chromatogram]

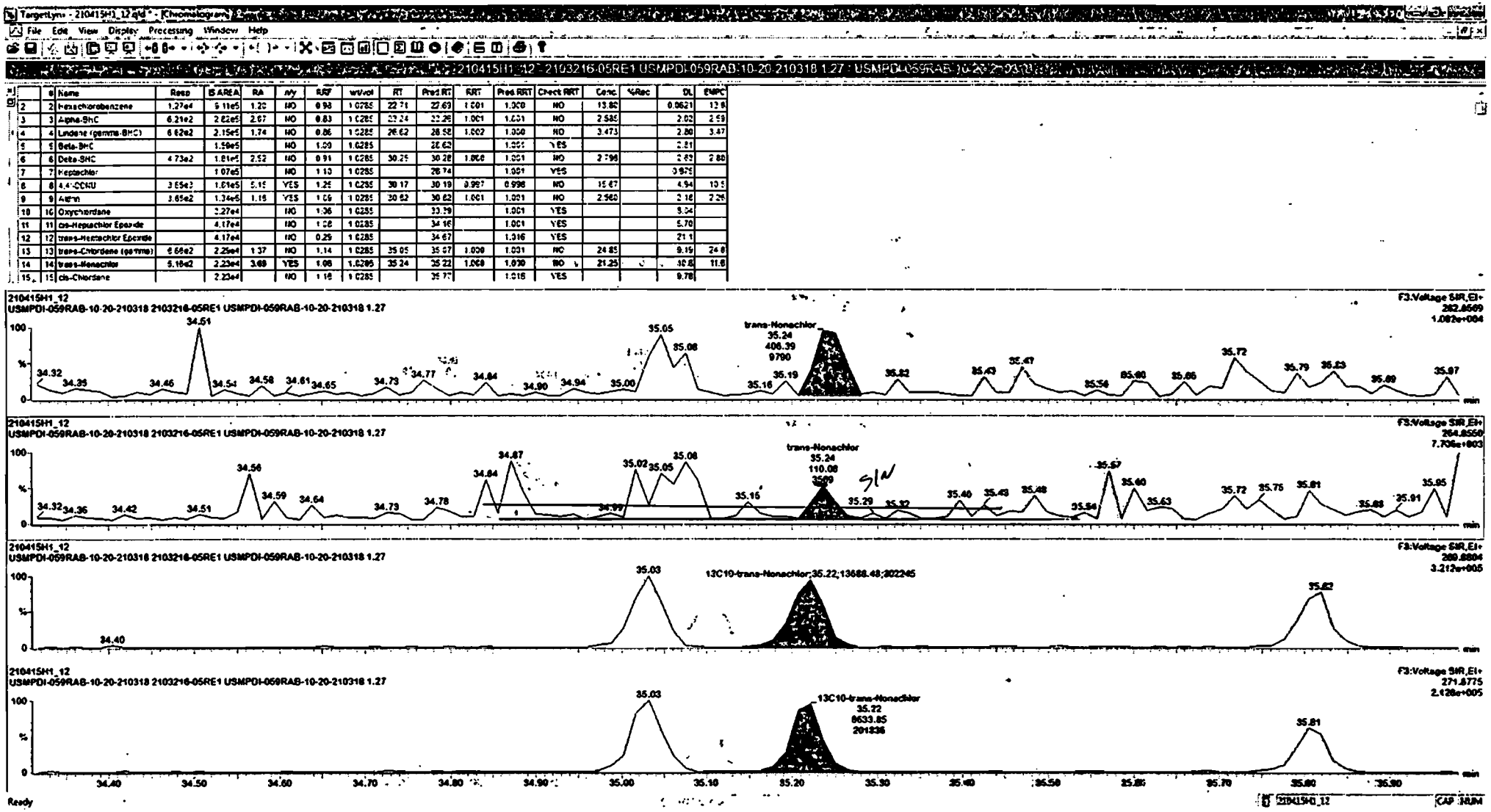
File Edit View Display Processing Window Help

210415H1_12, 2103216-05RE1 USMPDI-059RAB-10-20-210318 1.27 - USMPDI-059RAB-10-20-210318

	#	Name	Resp	IS AREA	RA	m/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
1	1	Hexachlorobutadiene	1.67e4	1.49e6	0.28	YES	0.19	1.0285	9.90	9.89	1.001	1.002	NO	1195		1.27	474
2	2	Hexachlorobenzene	1.27e4	9.11e5	1.20	NO	0.96	1.0285	22.71	22.69	1.001	1.000	NO	13.80		0.0621	13.8
3	3	Alpha-BHC	6.21e2	2.62e5	2.67	NO	0.83	1.0285	23.24	23.26	1.001	1.001	NO	2.585		2.02	2.59
4	4	Lindane (gamma-BHC)	6.67e2	2.15e5	1.74	NO	0.86	1.0285	26.52	26.52	1.002	1.000	NO	3.473		2.20	3.47
5	5	Beta-BHC		1.59e5		NO	1.00	1.0285		28.62		1.001	YES			2.81	
6	6	Delta-BHC	4.73e2	1.81e5	2.52	NO	0.91	1.0285	30.25	30.26	1.000	1.001	NO	2.798		2.63	2.80
7	7	Heptachlor		1.07e5		NO	1.10	1.0285		30.74		1.001	YES			0.875	
8	8	4,4'-DDMU	3.55e3	1.81e5	5.15	YES	1.25	1.0285	30.17	30.19	0.997	0.998	NO	15.87		4.94	10.5
9	9	Aldrin	3.85e2	1.34e5	1.15	YES	1.09	1.0285	30.82	30.82	1.001	1.001	NO	2.560		2.16	2.29
10	10	Oxychlordane		3.27e4		NO	1.00	1.0285		33.39		1.001	YES			8.04	
11	11	cis-Heptachlor Epoxide		4.17e4		NO	1.00	1.0285		34.16		1.001	YES			5.70	
12	12	trans-Heptachlor Epoxide		4.17e4		NO	0.29	1.0285		34.67		1.016	YES			21.1	
13	13	trans-Chlordane (gamma)	6.66e2	2.29e4	1.37	NO	1.14	1.0285	35.05	35.07	1.000	1.001	NO	24.85		9.18	24.8
14	14	trans-Nonachlor	5.16e2	2.23e4	3.69	YES	1.00	1.0285	35.24	35.22	1.000	1.000	NO	21.25		10.6	11.6



Ready



	#	Name	Resp	IS AREA	RA	m/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
2	2	Hexachlorobenzene	1.27e4	9.11e5	1.20	NO	0.98	1.0285	22.71	22.69	1.001	1.000	NO	13.82		0.0621	12.9
3	3	Alpha-BHC	6.21e2	2.82e5	2.67	NO	0.83	1.0285	22.24	22.26	1.001	1.001	NO	2.585		2.02	2.59
4	4	Lindane (gamma-BHC)	6.62e2	2.15e5	1.74	NO	0.86	1.0285	26.62	26.58	1.002	1.000	NO	3.473		2.80	3.47
5	5	Beta-BHC		1.59e5		NO	1.00	1.0285		28.62		1.001	YES			2.81	
6	6	Delta-BHC	4.73e2	1.81e5	2.52	NO	0.91	1.0285	30.25	30.28	1.000	1.001	NO	2.798		2.62	2.80
7	7	Heptachlor		1.07e5		NO	1.10	1.0285		28.74		1.001	YES			3.975	
8	8	4,4'-DDMU	3.65e3	1.61e5	5.15	YES	1.25	1.0285	30.17	30.19	0.997	0.998	NO	15.67		4.94	10.5
9	9	Aldrin	3.65e2	1.34e5	1.16	YES	1.05	1.0285	30.62	30.62	1.001	1.001	NO	2.560		2.16	2.29
10	10	Oxychlordane		3.27e4		NO	1.36	1.0285		33.19		1.001	YES			5.04	
11	11	cis-Heptachlor Epoxide		4.17e4		NO	1.08	1.0285		34.16		1.001	YES			5.70	
12	12	trans-Heptachlor Epoxide		4.17e4		NO	0.25	1.0285		34.67		1.016	YES			21.1	
13	13	trans-Chlordane (gamma)	6.66e2	2.25e4	1.37	NO	1.14	1.0285	35.05	35.07	1.000	1.001	NO	24.85		9.15	24.8
14	14	trans-Nonachlor	5.16e2	2.23e4	3.69	YES	1.08	1.0285	35.24	35.22	1.000	1.000	NO	21.25		10.8	11.8
15	15	cis-Chlordane		2.23e4		NO	1.16	1.0285		35.77		1.016	YES			9.78	

Dataset: Untitled

Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
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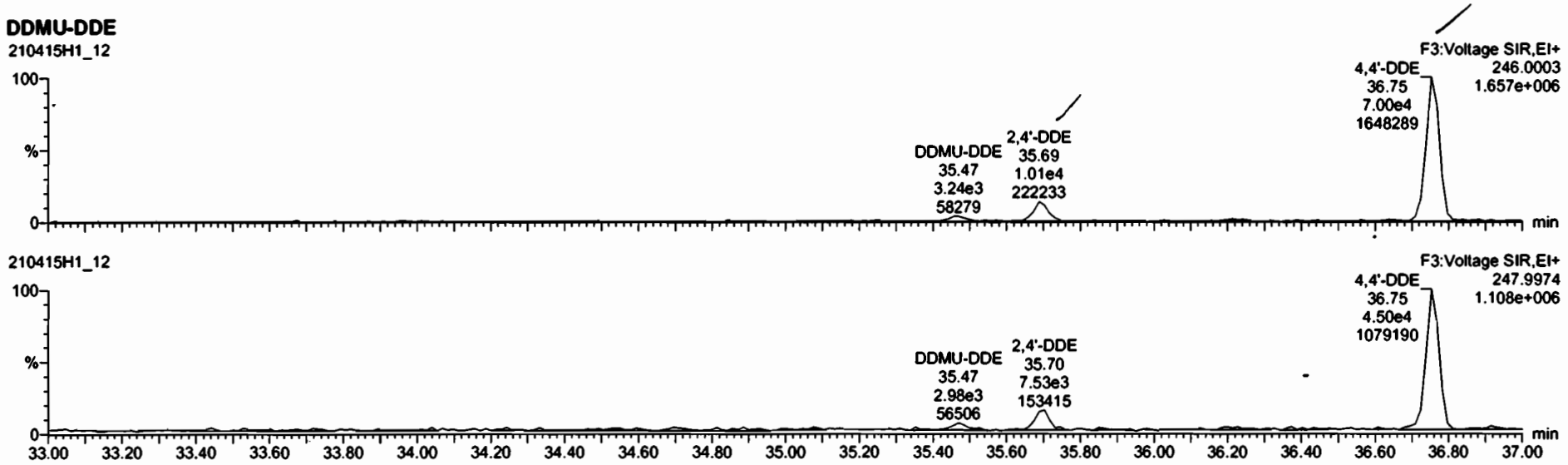
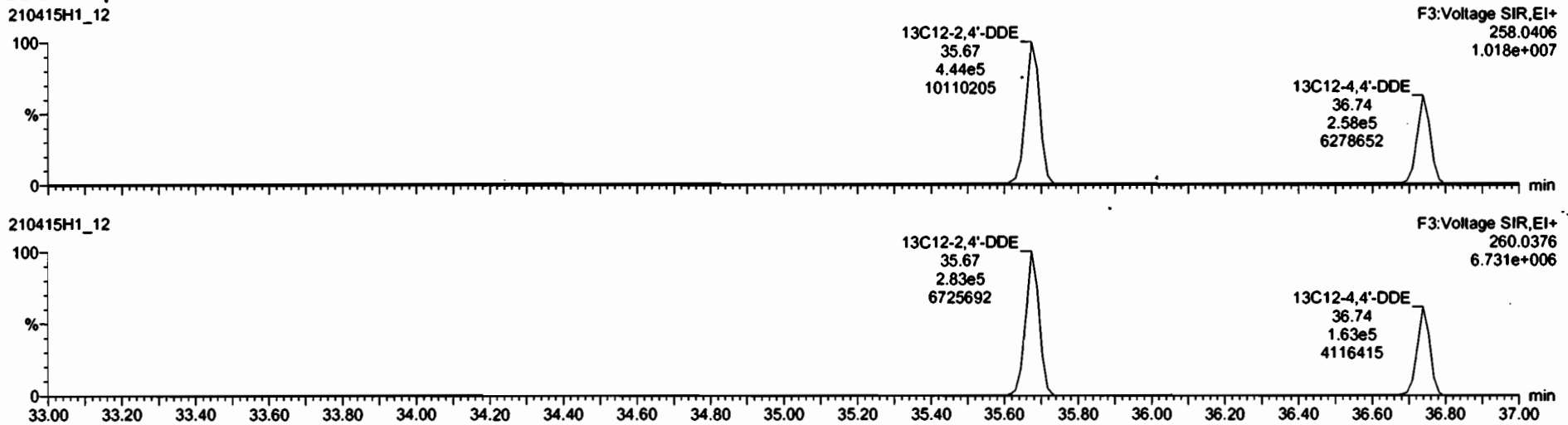
Name: 210415H1_12, Date: 15-Apr-2021, Time: 18:30:47, ID: 2103216-05RE1 USMPDI-059RAB-10-20-210318 1.27, Description: USMPDI-059RAB-10-20-210318

DDMU-DDE



DDE-isotopes

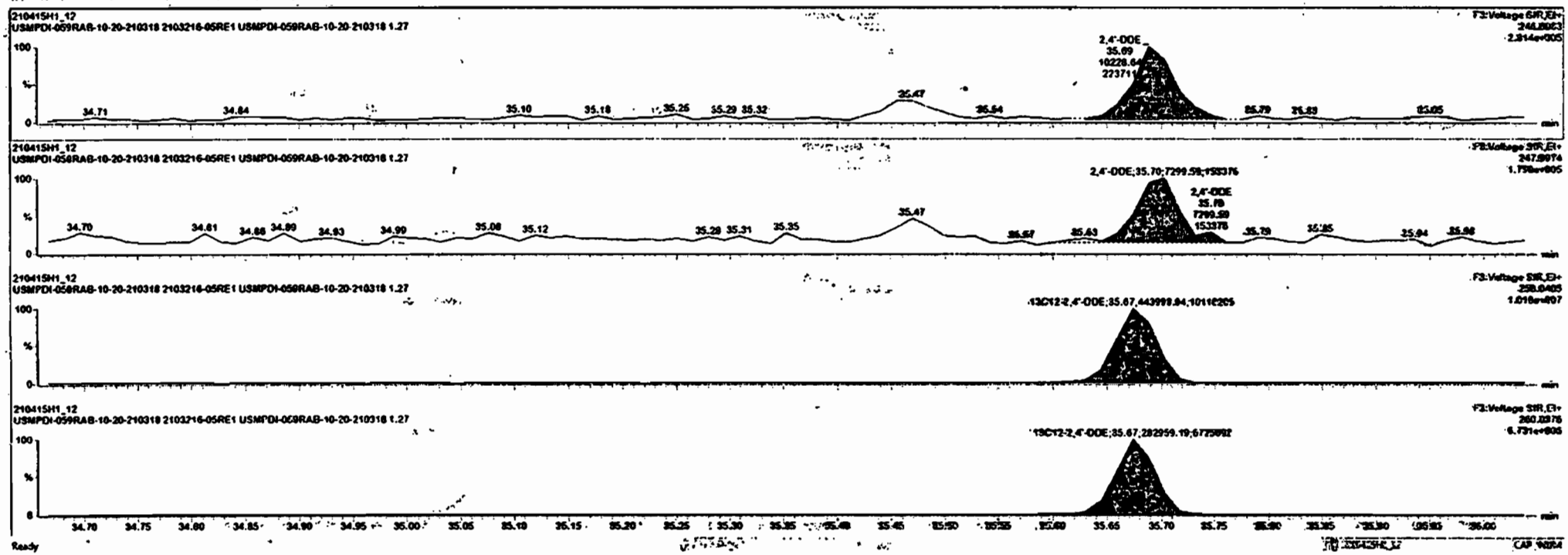


Target Lynx : 210415H1_12.qld : Chromatogram1

File Edit View Display Processing Window Help

210415H1_12 2103216-05RE1 USMPDI-059RAB-10-20-210318 1.27 USMPDI-059RAB-10-20-210318

		Name	Resp	S/N	%A	m/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
16	16	Endosulfan I (alpha)		1.68e4		NO	1.23	1.0285		35.65		1.001	YES			12.1	
17	17	4,4'-DDMU	4.37e4	7.27e5	2.96	NO		1.0285	35.47	35.45	0.994	0.994	NO	142.5		4.36	142
18	18	2,4'-DDE	1.75e4	7.27e5	1.48	NO	1.82	1.0285	35.69	35.67	1.000	1.000	NO	22.88		1.87	22.9
19	19	4,4'-DDE	1.15e5	4.20e6	1.55	NO	1.34	1.0285	36.75	36.74	1.030	1.030	NO	266.3		2.99	266
20	20	Dieldrin	1.48e3	4.99e4	0.75	YES	1.03	1.0285	37.28	37.29	1.045	1.045	NO	27.72		8.89	19.5
21	21	Endrin		2.35e4		NO	1.01	1.0285		38.68		1.084	YES			12.5	
22	22	cis-Nonachlor	2.65e2	1.76e4	0.48	YES	1.00	1.0285	36.91	36.93	1.035	1.035	NO	14.66		21.1	7.75
23	23	Endosulfan II (beta)	3.96e2	8.43e3	1.79	NO	1.07	1.0285	39.69	39.65	1.001	1.008	NO	11.99		6.42	11.9
24	24	2,4'-DDD	1.54e5	4.34e6	1.53	NO	1.07	1.0285	37.69	37.67	1.000	1.058	NO	327.9		5.34	324
25	25	2,4'-DDT	1.25e4	1.49e5	1.21	NO	1.05	1.0285	39.02	39.00	1.050	1.050	NO	77.43		19.8	77.4
26	26	4,4'-DDD	4.60e5	2.70e6	1.51	NO	1.16	1.0285	39.13	39.12	1.000	1.000	NO	1423		8.34	1429
27	27	4,4'-DDT	3.41e4	9.79e4	1.51	NO	1.13	1.0285	40.23	40.23	1.000	1.091	NO	298.3		22.6	286
28	28	Endosulfan Sulfate		4.95e3		NO	1.04	1.0285		41.36		1.030	YES			59.5	
29	29	4,4'-Methoxychlor		7.87e5		NO	1.22	1.0285		43.27		1.068	YES			53.0	



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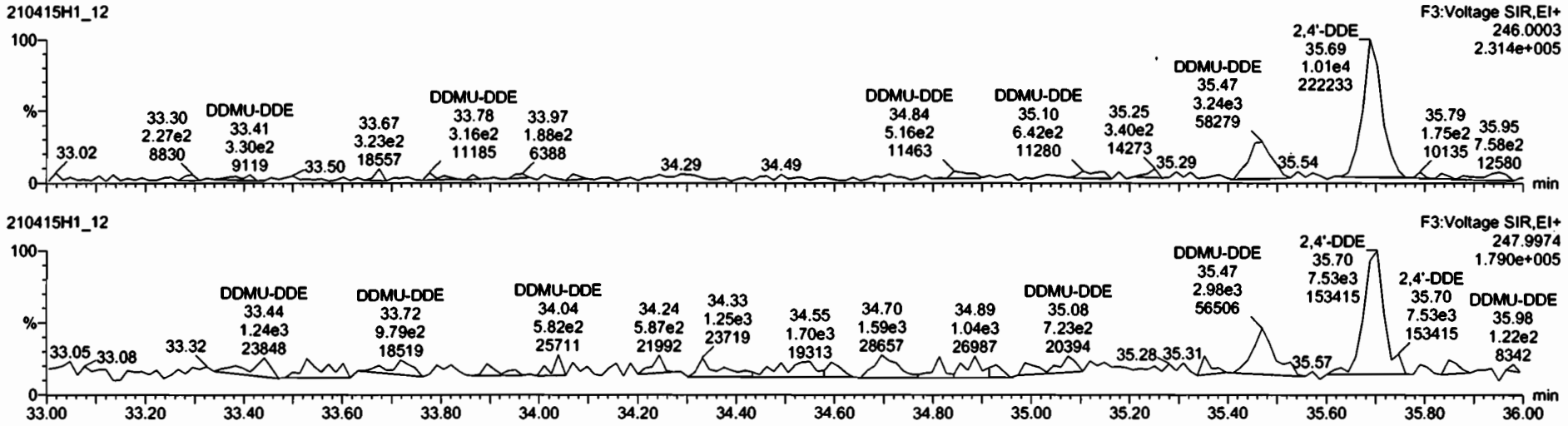
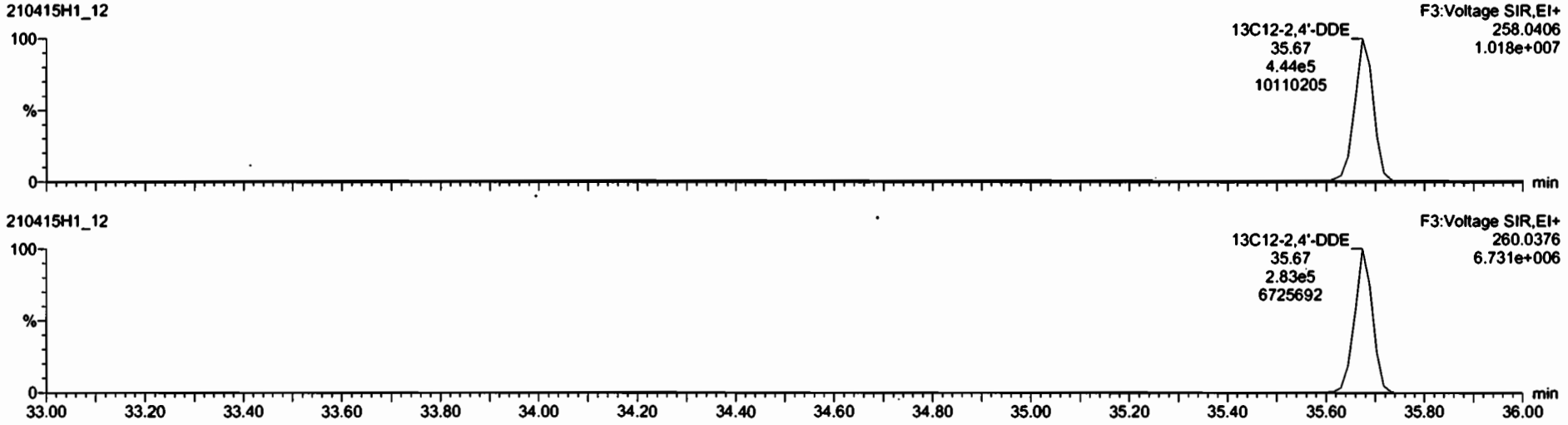
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_12, Date: 15-Apr-2021, Time: 18:30:47, ID: 2103216-05RE1 USMPDI-059RAB-10-20-210318 1.27, Description: USMPDI-059RAB-10-20-210318

2,4'-DDE



13C12-2,4'-DDE



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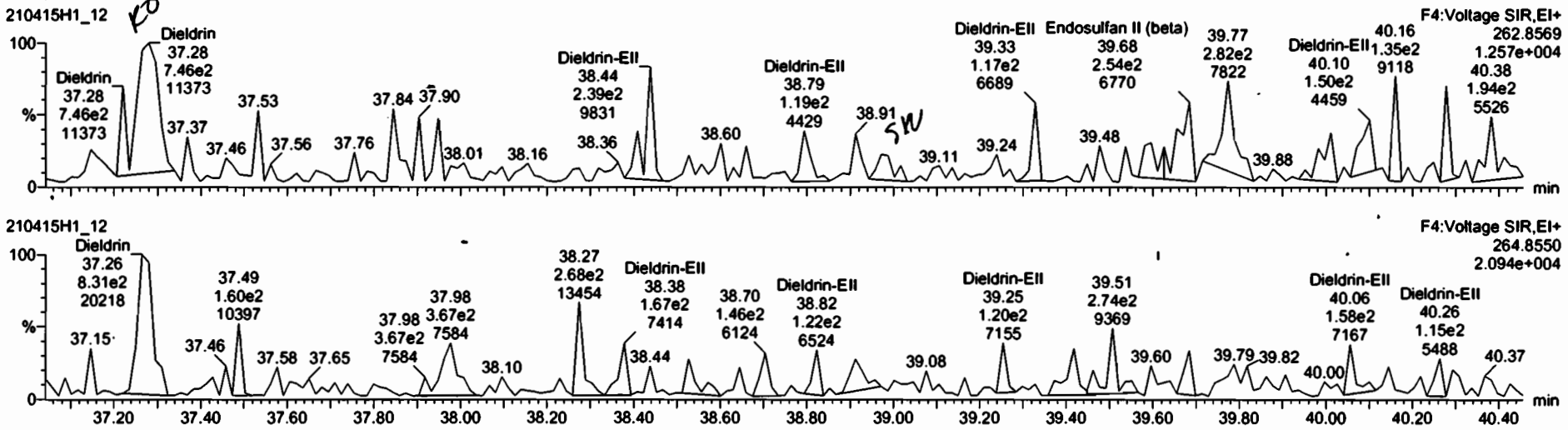
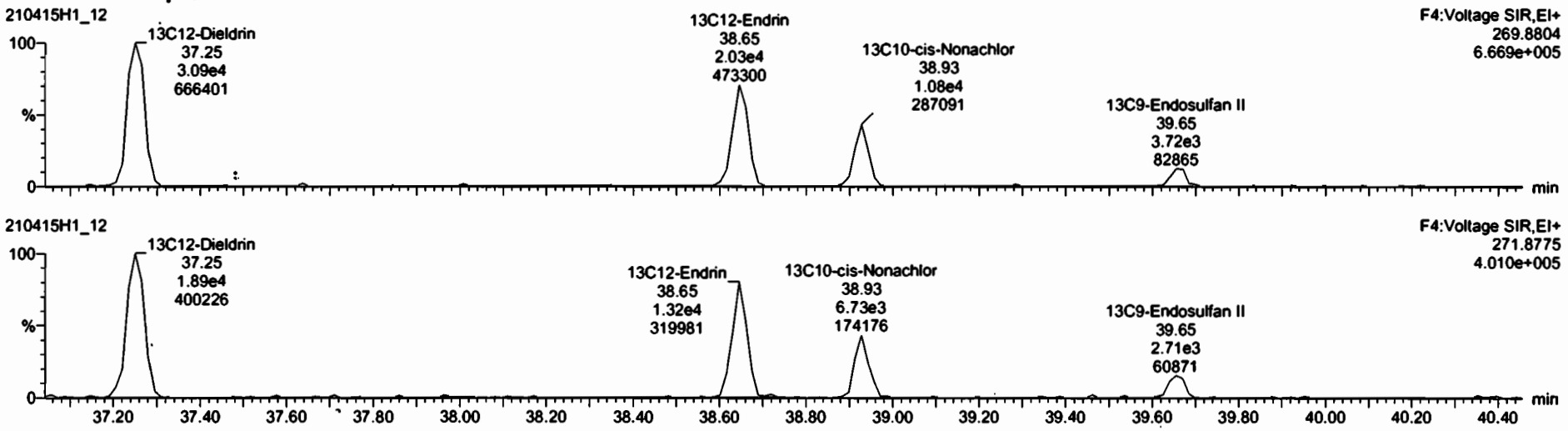
Name: 210415H1_12, Date: 15-Apr-2021, Time: 18:30:47, ID: 2103216-05RE1 USMPDI-059RAB-10-20-210318 1.27, Description: USMPDI-059RAB-10-20-210318

Dieldrin-EII



Dieldrin-EII-isotopes



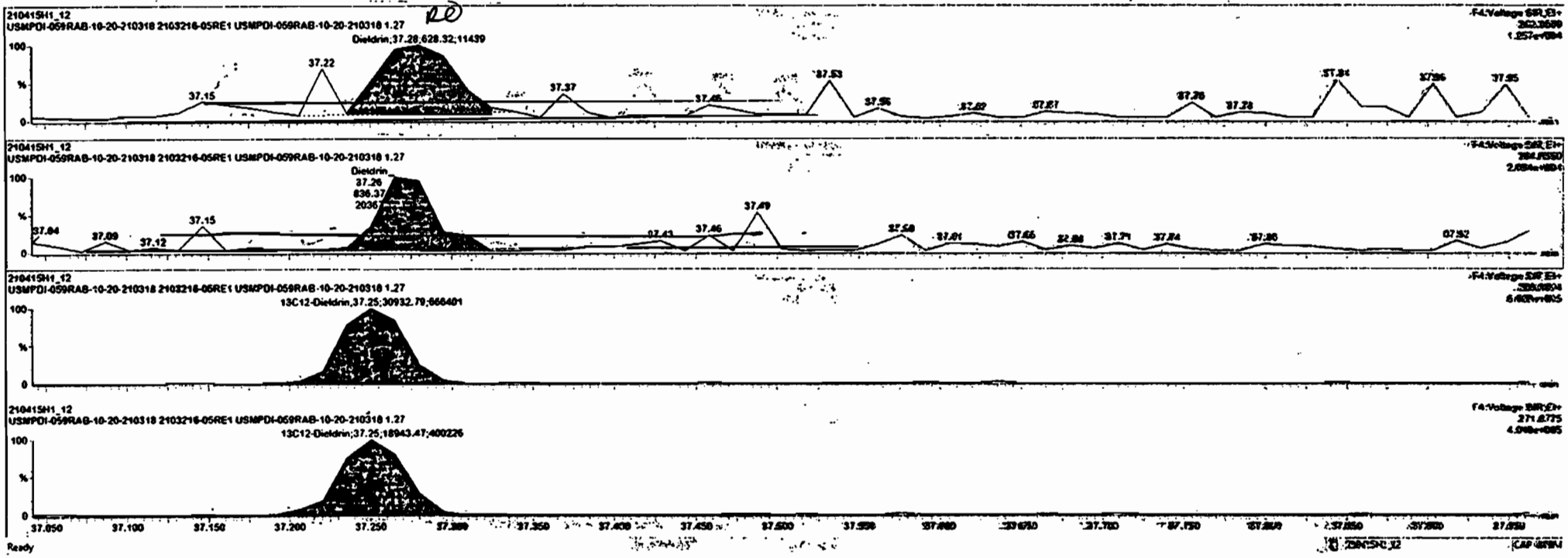
TargetLynx - 210415H1_1.qld * - [Chromatogram]

File Edit View Display Processing Window Help

210415H1_12 2103216-05RE1 USMPDI-059RAB-10-20-210318

	#	Name	Resp	S AREA	RA	n/y	RRF	w/v/vol	RT	Pred RT	ART	Pred ART	Check ART	Conc	%Rec	DL	ESTC
16	16	Endosulfan I (alpha)		1.66e4		NO	1.23	1 0285		35.65		1.001	YES			12 1	
17	17	4,4'-DDMU	4.37e4	7.27e5	2.96	NO		1 0285	35 47	35.46	0.994	0 994	NO	142.5		4.36	142
18	18	2,4'-DDE	1.75e4	7.27e5	1.48	NO	1.02	1 0285	35 69	35.67	1.000	1.000	NO	22.88		1.57	22.9
19	19	4,4'-DDE	1.15e5	4.20e5	1.55	NO	1.04	1 0285	36 75	36.74	1.000	1.000	NO	256.3		2.99	256
20	20	Dieldrin	1.48e3	6.89e4	0.75	YES	1.03	1 0285	37.26	37.29	1.001	1.001	NO	27.73		8.86	19.5
21	21	Endrin		2.35e4		NO	1.01	1 0285		38.66		1.001	YES			12 5	
22	22	cis-Nonachlor	2.65e2	1.76e4	0.46	YES	1.00	1 0285	38 91	38.92	1.000	1.000	NO	14 66		21 1	7 75
23	23	Endosulfan II (beta)	3.96e2	6.43e3	1.78	NO	1.07	1 0285	39.69	39.65	1.001	1.000	NO	55 89		64 2	55.9
24	24	2,4'-DDD	1.54e5	4.34e5	1.53	NO	1.07	1 0285	37.89	37.87	1.000	1.000	NO	323.5		5.34	324
25	25	2,4'-DDT	1.25e4	1.49e5	1.21	NO	1.05	1 0285	39 02	39 00	1.000	1.000	NO	77 45		18 0	77.4
26	26	4,4'-DDD	4.69e5	2.70e5	1.51	NO	1.16	1 0285	39 13	39 12	1.000	1.000	NO	1423		8.34	1420
27	27	4,4'-DDT	3.41e4	9.75e4	1.51	NO	1.12	1 0285	40 23	40.23	1.000	1.001	NO	299 3		22 6	299
28	28	Endosulfan Sulfate		4.99e3		NO	1.04	1 0285		41.38		1.000	YES			59 9	
29	29	4,4'-Methoxychlor		7.87e5		NO	1.22	1 0285		45 22		1.000	YES			53 6	

RD



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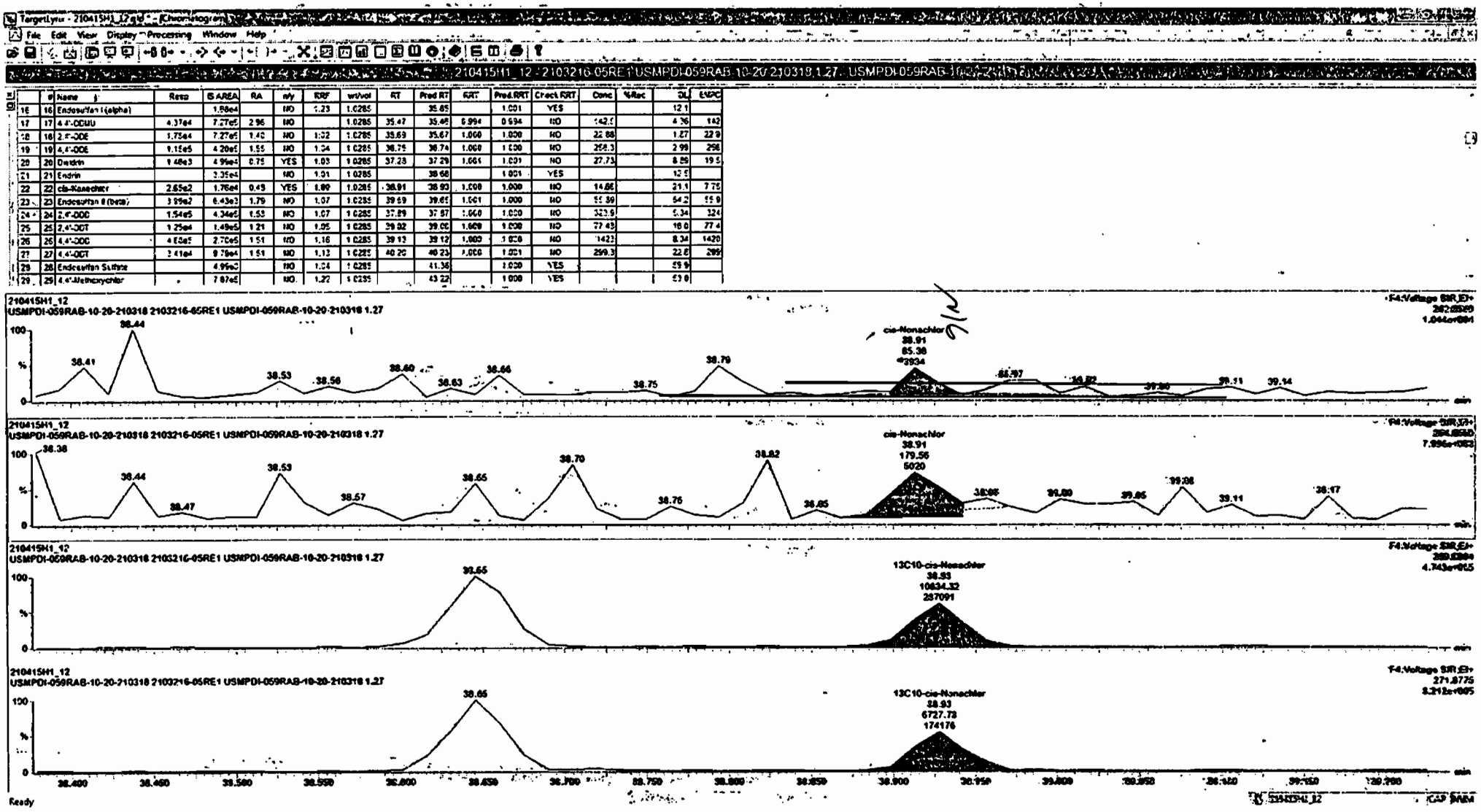
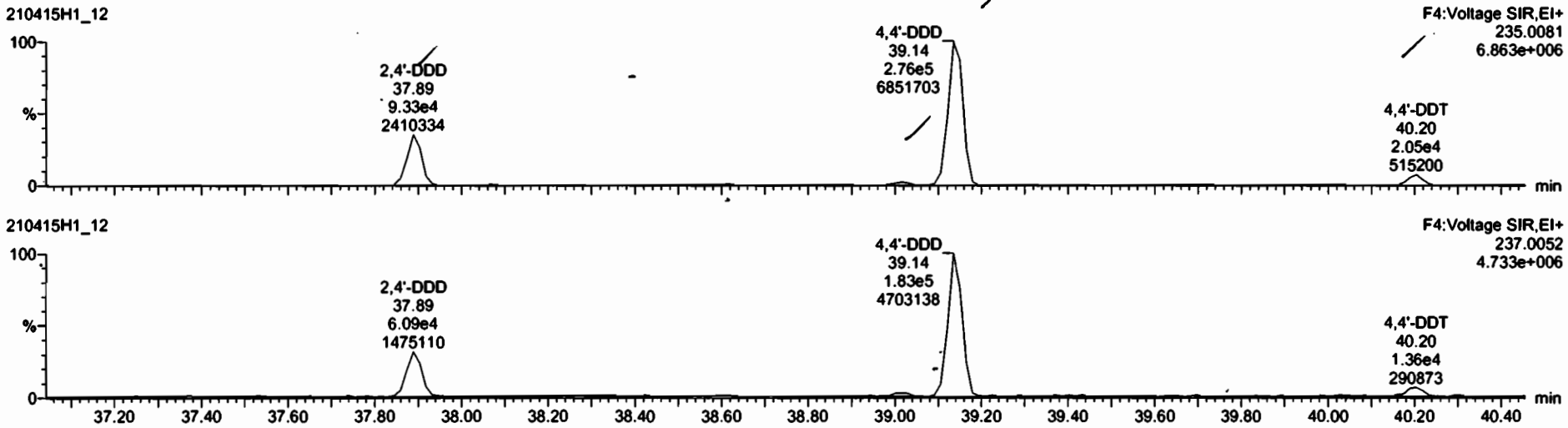

TargetLynx - 210415H1_12.qld - [Chromatogram]
File Edit View Display Processing Window Help
210415H1_12 - 2103216-05RE1 USMPDI-059RAB-10-20-210318 1.27 USMPDI-059RAB-10-20-210318 1.27
210415H1_12
USMPDI-059RAB-10-20-210318 2103216-05RE1 USMPDI-059RAB-10-20-210318 1.27
cis-Nonachlor
38.91
85.36
13C10-cis-Nonachlor
38.93
10634.32
257091
6727.73
174176
Ready

Dataset: Untitled

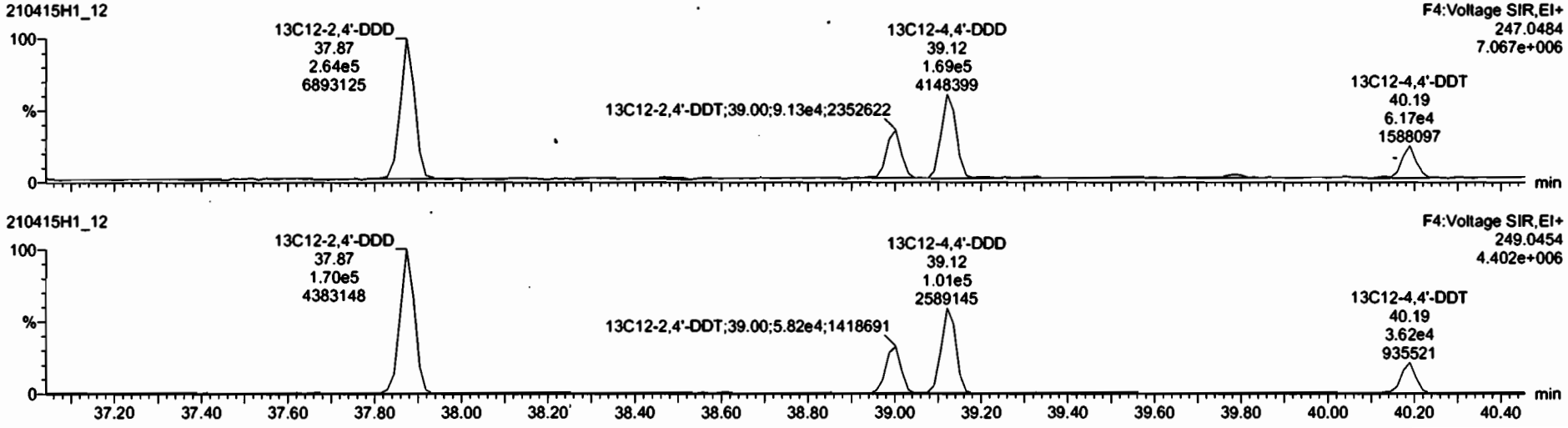
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_12, Date: 15-Apr-2021, Time: 18:30:47, ID: 2103216-05RE1 USMPDI-059RAB-10-20-210318 1.27, Description: USMPDI-059RAB-10-20-210318

DDD-DDT



DDD-DDT-isotopes

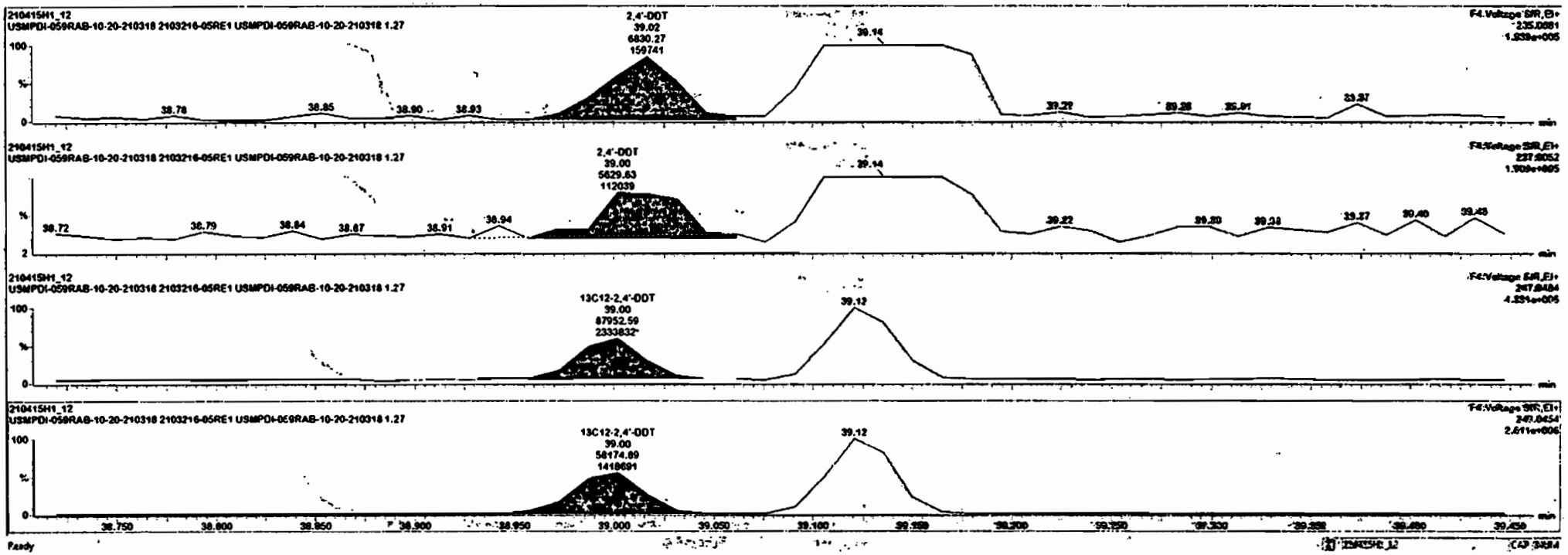


TargetLynx - 210415H1_12.qld : [Chromatogram]

File Edit View Display Processing Window Help

210415H1_12, 2103216-05RE1 USMPDI-059RAB-10-20-210318 1.27, USMPDI-059RAB-10-20-210318 1.27

		Name	Resp	S AREA	RA	a/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
16	16	Endosulfan I (alpha)		1.88e4		NO	1.23	1.0285		35.65		1.001	YES			12.1	
17	17	4,4'-DDMU	4.37e4	7.27e5	2.96	NO		1.0285	35.47	35.45	0.994	0.994	NO	142.5		4.36	142
18	18	2,4'-DDE	1.75e4	7.27e5	1.48	NO	1.02	1.0285	35.69	35.67	1.000	1.000	NO	22.86		1.57	22.9
19	19	4,4'-DDE	1.15e5	4.20e5	1.55	NO	1.04	1.0285	36.75	36.74	1.000	1.000	NO	256.3		2.99	256
20	20	Dieldrin	1.48e3	4.99e4	0.75	YES	1.03	1.0285	37.28	37.28	1.001	1.001	NO	27.73		6.89	19.5
21	21	Endrin		3.25e4		NO	1.01	1.0285		38.68		1.001	YES			12.5	
22	22	cis-Nonachlor	2.65e2	1.76e4	0.48	YES	1.00	1.0285	38.91	38.93	1.000	1.000	NO	14.66		21.1	7.75
23	23	Endosulfan II (beta)	3.96e2	6.43e3	1.76	NO	1.07	1.0285	39.69	39.65	1.001	1.000	NO	55.89		64.2	55.9
24	24	2,4'-DDD	1.54e5	4.34e5	1.53	NO	1.07	1.0285	37.89	37.87	1.000	1.000	NO	323.6		5.34	324
25	25	2,4'-DDT	1.25e4	1.48e5	1.21	NO	1.05	1.0285	39.62	39.68	1.000	1.000	NO	77.43		16.0	77.4
26	26	4,4'-DDD	4.00e5	2.76e5	1.51	NO	1.16	1.0285	39.13	39.12	1.000	1.000	NO	1423		8.34	1420
27	27	4,4'-DDT	3.41e4	9.79e4	1.51	NO	1.12	1.0285	40.25	40.23	1.000	1.001	NO	299.3		22.6	299
28	28	Endosulfan Sulfate		4.95e3		NO	1.04	1.0285		41.36		1.000	YES			59.9	
29	29	4,4'-Methoxychlor		7.87e5		NO	1.22	1.0285		43.22		1.000	YES			53.6	

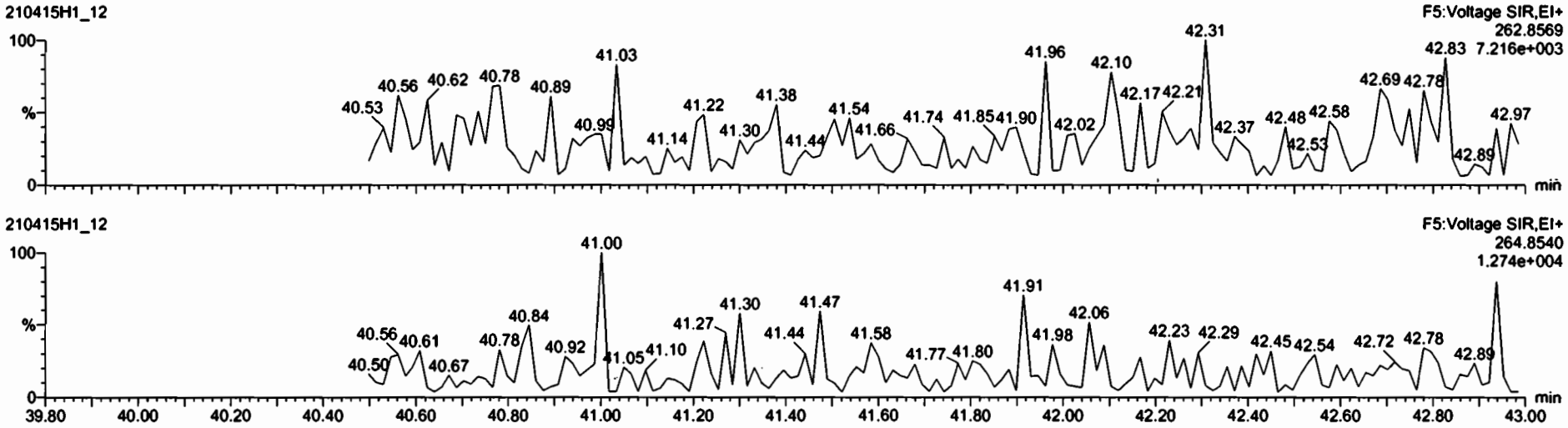


Dataset: Untitled

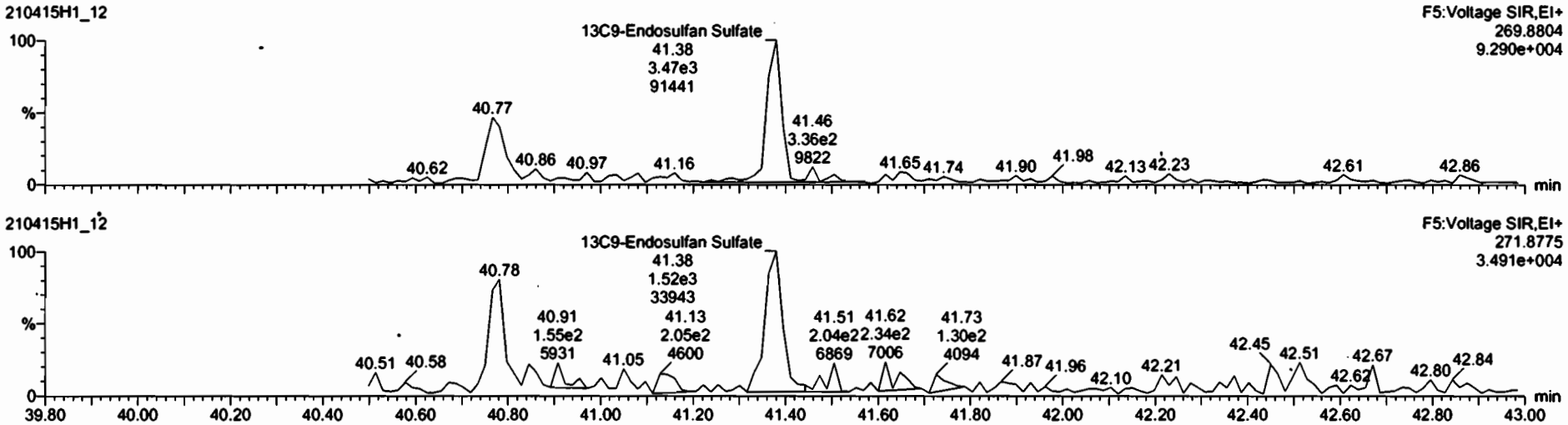
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_12, Date: 15-Apr-2021, Time: 18:30:47, ID: 2103216-05RE1 USMPDI-059RAB-10-20-210318 1.27, Description: USMPDI-059RAB-10-20-210318

Endosulfan Sulfate



13C9-Endosulfan Sulfate

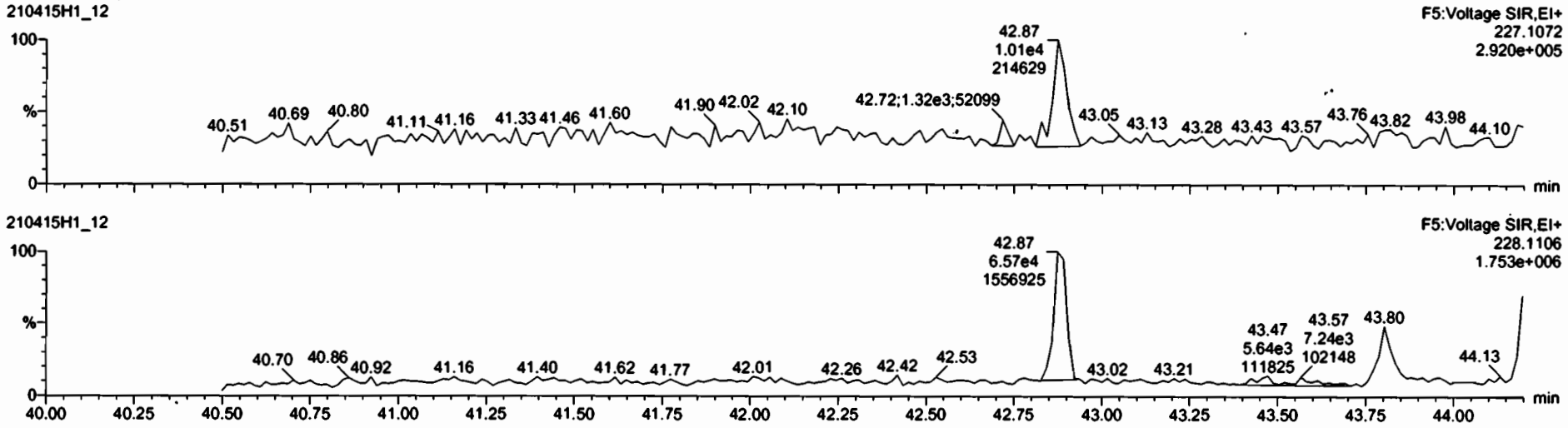


Dataset: Untitled

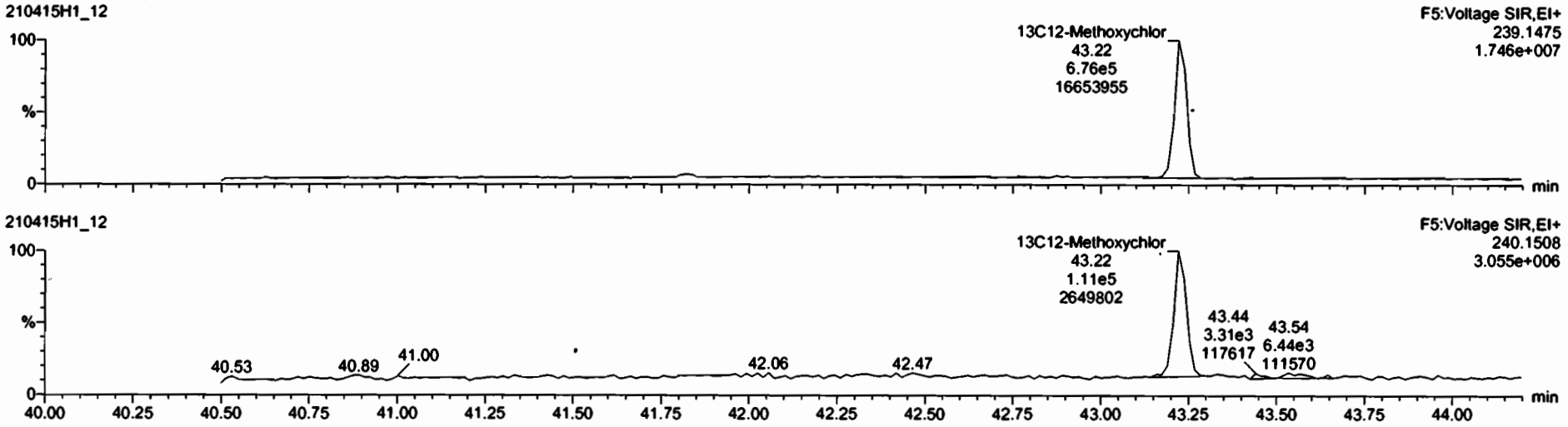
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_12, Date: 15-Apr-2021, Time: 18:30:47, ID: 2103216-05RE1 USMPDI-059RAB-10-20-210318 1.27, Description: USMPDI-059RAB-10-20-210318

4,4'-Methoxychlor



13C12-Methoxychlor



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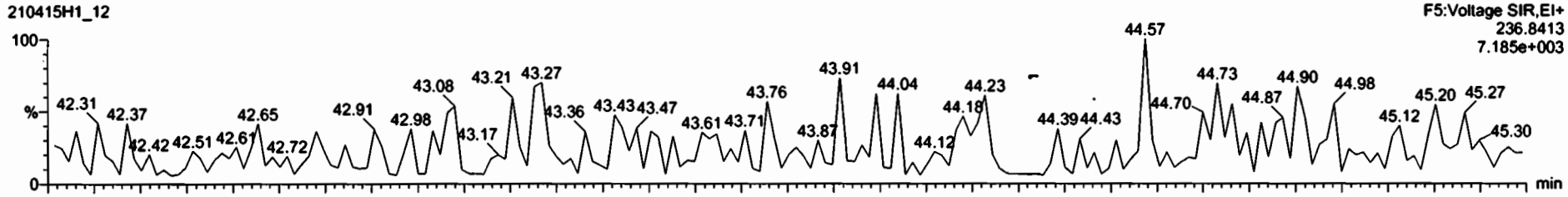
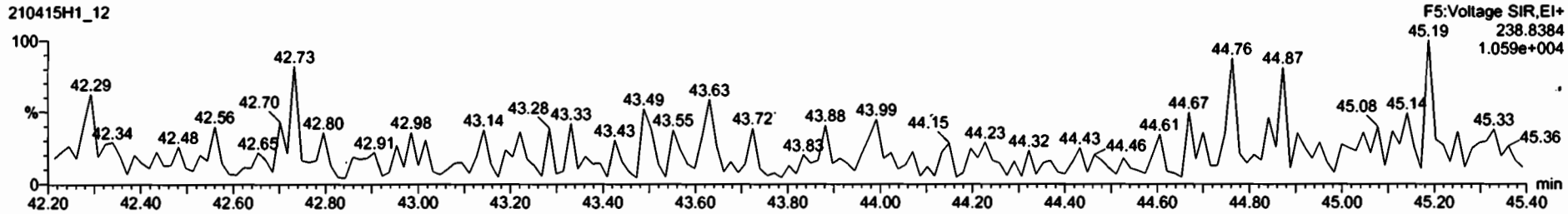
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

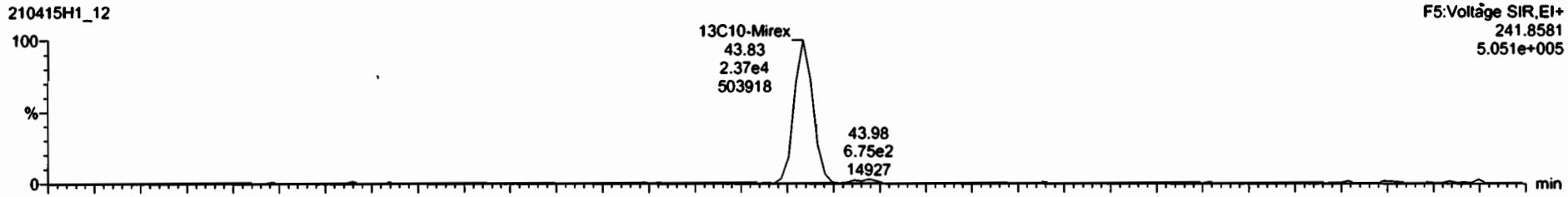
Name: 210415H1_12, Date: 15-Apr-2021, Time: 18:30:47, ID: 2103216-05RE1 USMPDI-059RAB-10-20-210318 1.27, Description: USMPDI-059RAB-10-20-210318

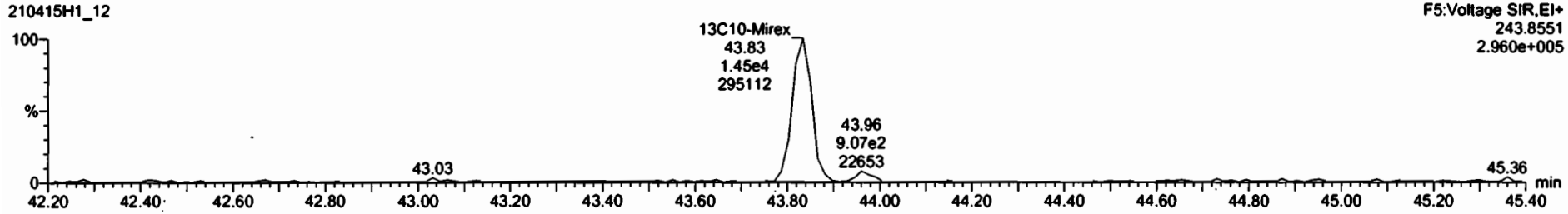
Mirex





13C10-Mirex





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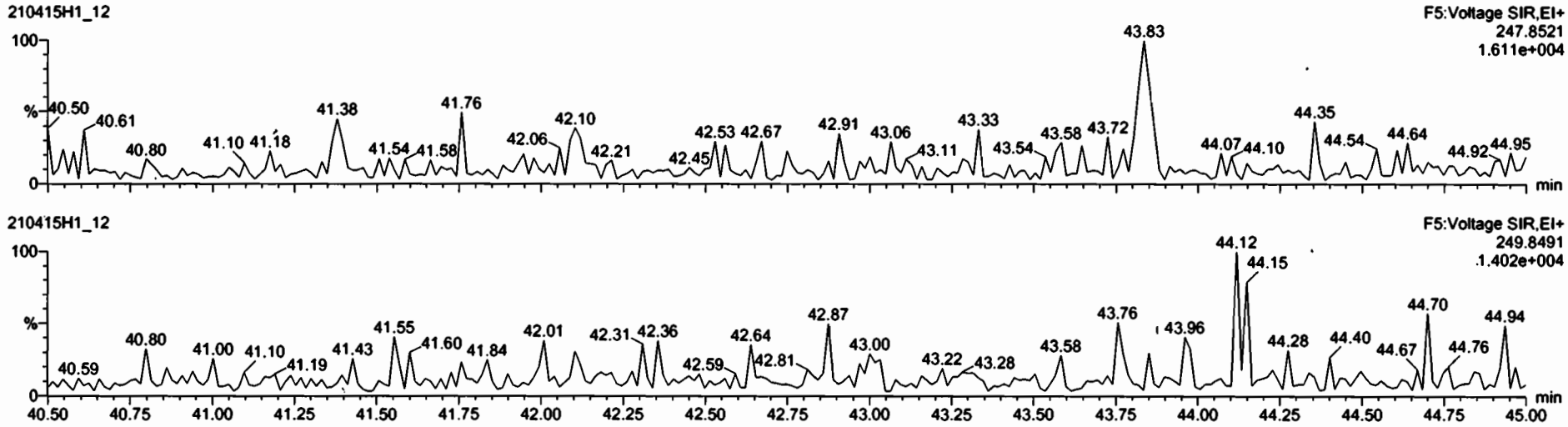
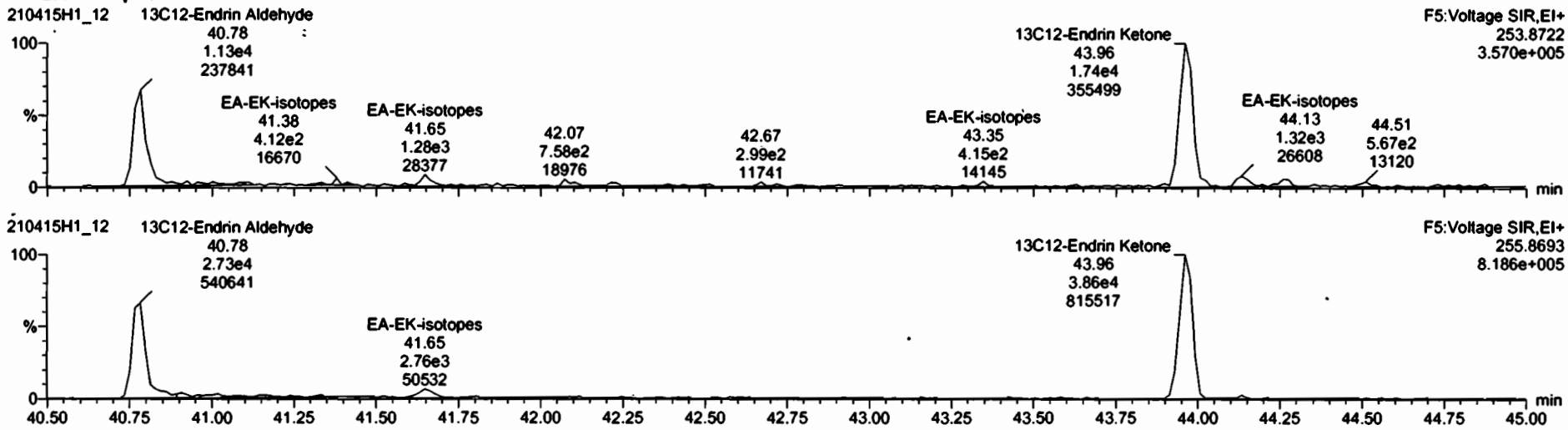
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_12, Date: 15-Apr-2021, Time: 18:30:47, ID: 2103216-05RE1 USMPDI-059RAB-10-20-210318 1.27, Description: USMPDI-059RAB-10-20-210318

EA-EK



EA-EK-isotopes



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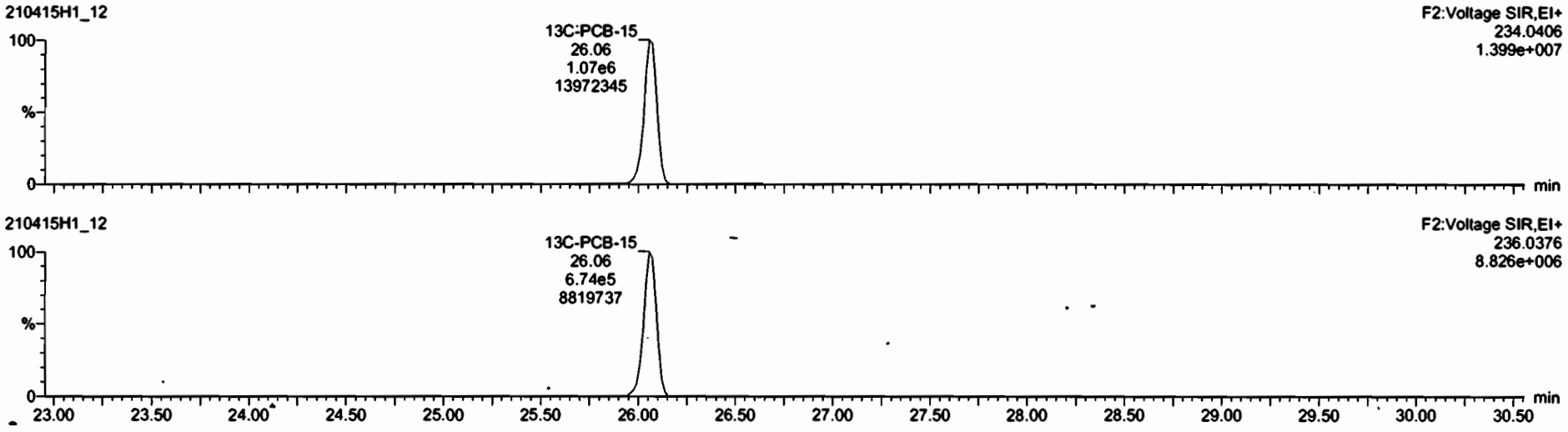
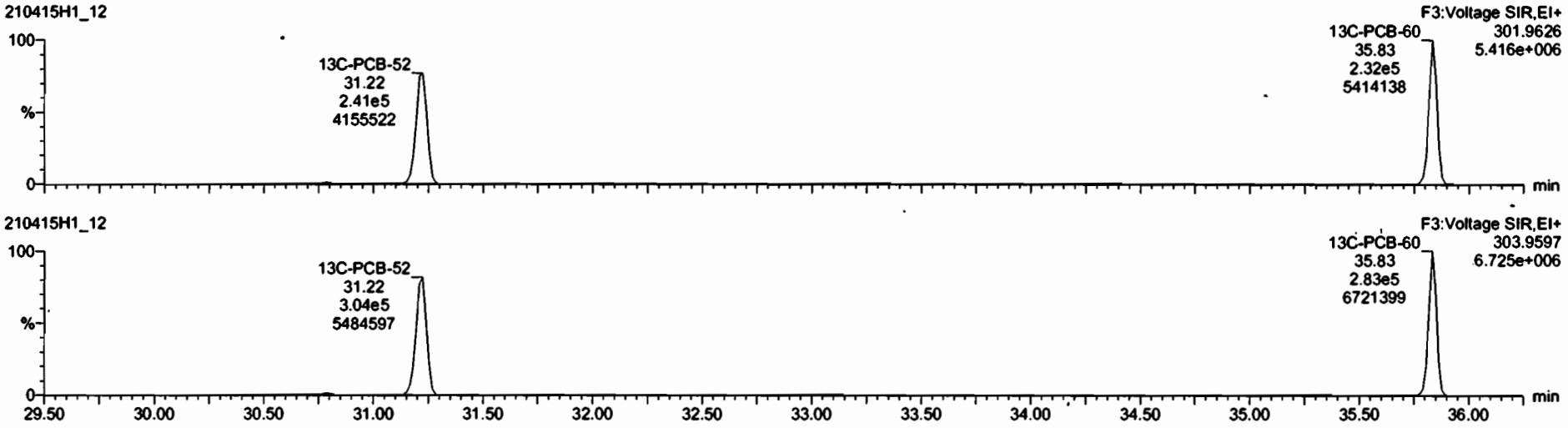
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_12, Date: 15-Apr-2021, Time: 18:30:47, ID: 2103216-05RE1 USMPDI-059RAB-10-20-210318 1.27, Description: USMPDI-059RAB-10-20-210318

13C-PCB-15



13C-PCB-60



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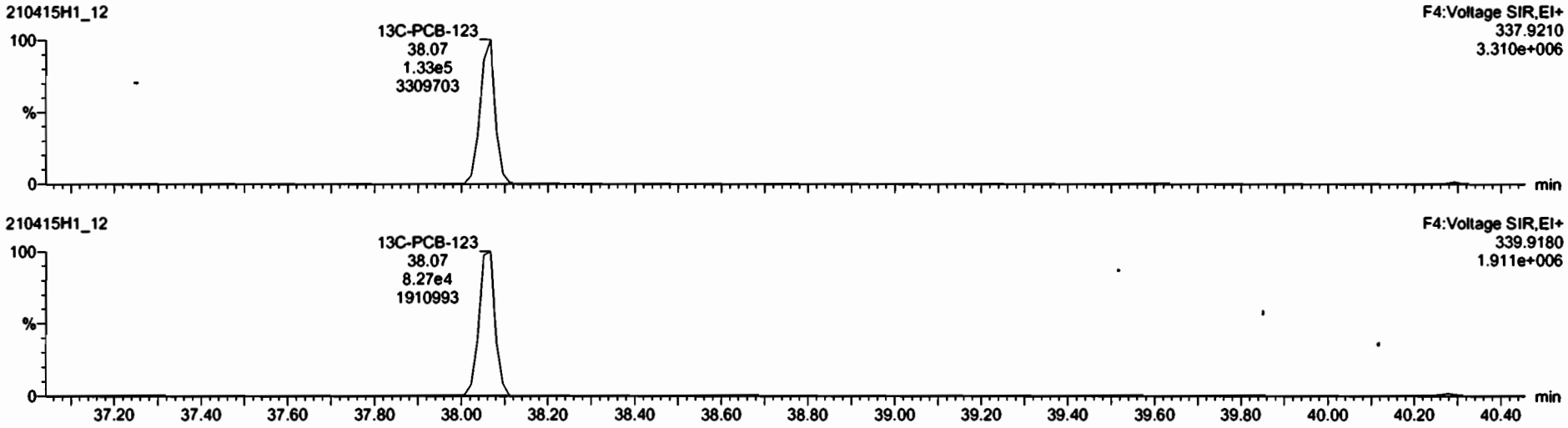
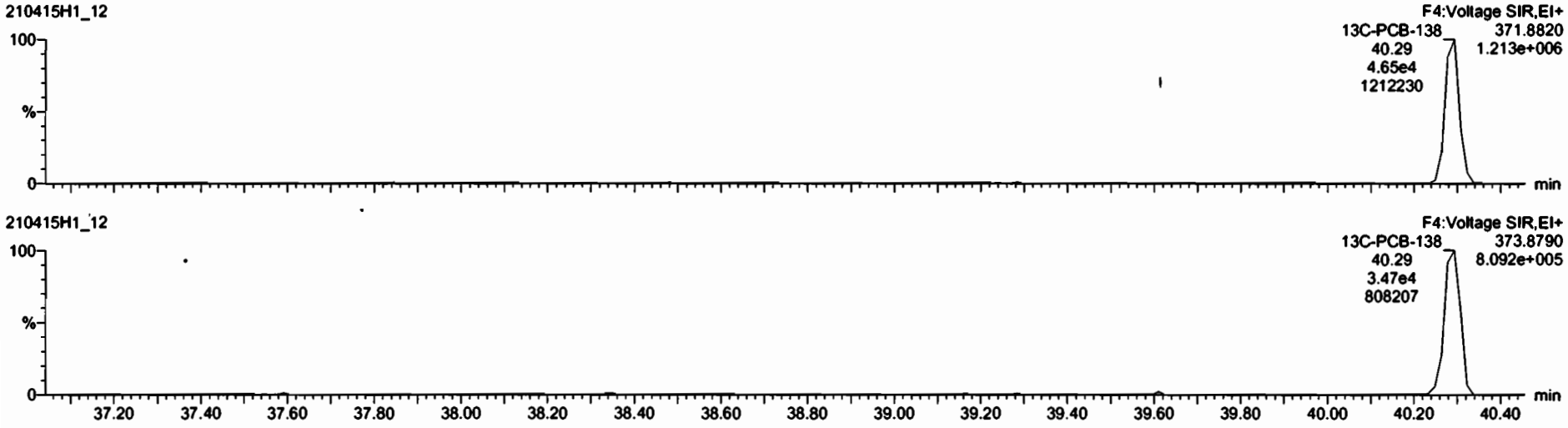
Name: 210415H1_12, Date: 15-Apr-2021, Time: 18:30:47, ID: 2103216-05RE1 USMPDI-059RAB-10-20-210318 1.27, Description: USMPDI-059RAB-10-20-210318

13C-PCB-123



13C-PCB-138



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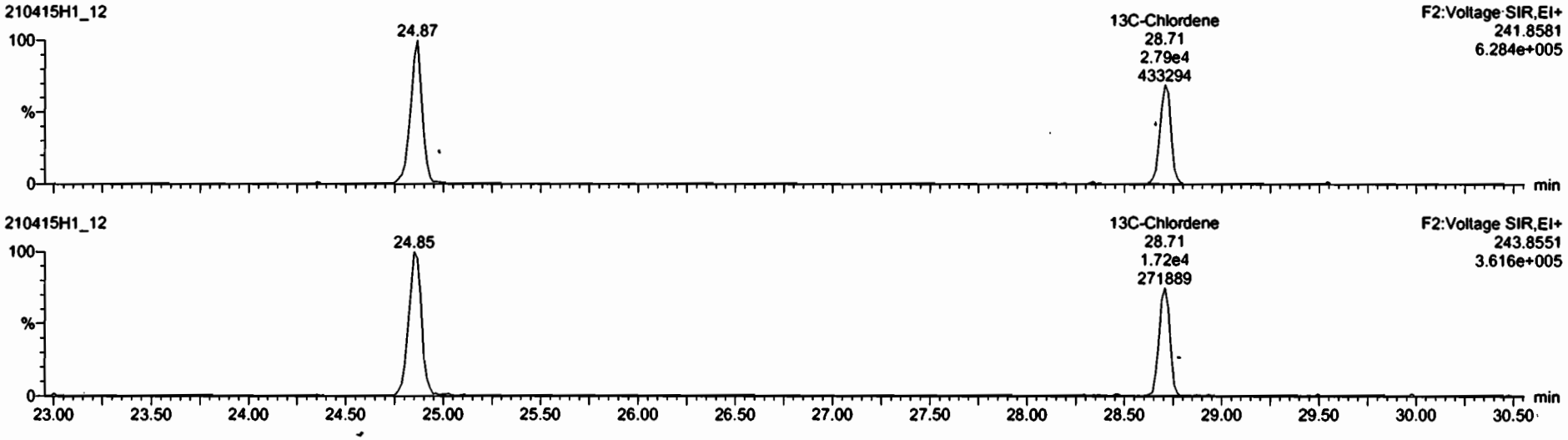
Name: 210415H1_12, Date: 15-Apr-2021, Time: 18:30:47, ID: 2103216-05RE1 USMPDI-059RAB-10-20-210318 1.27, Description: USMPDI-059RAB-10-20-210318

13C-Chlordene



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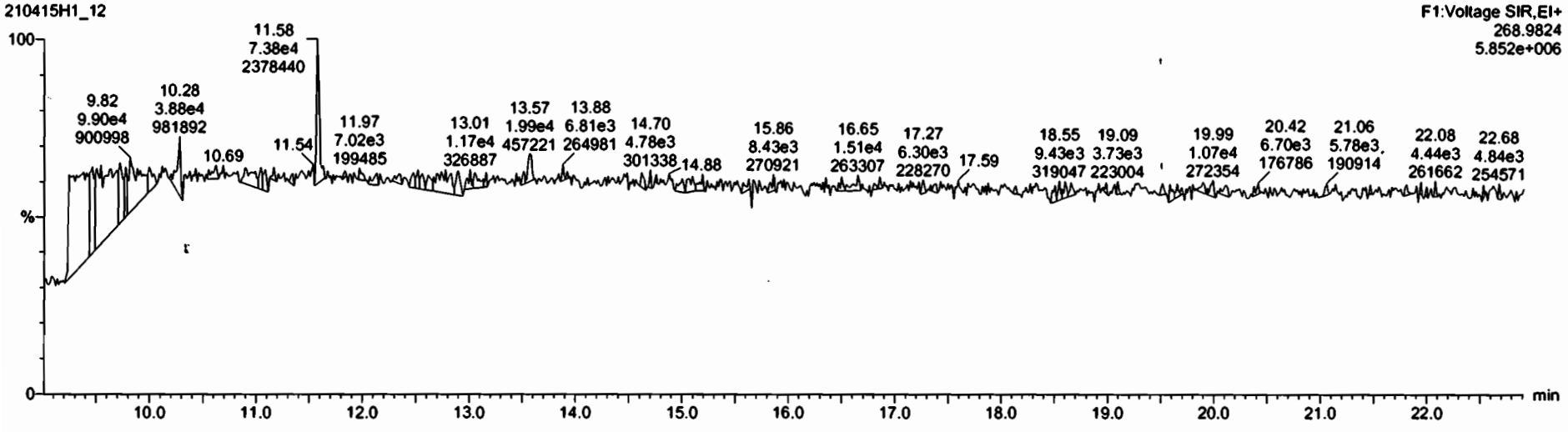

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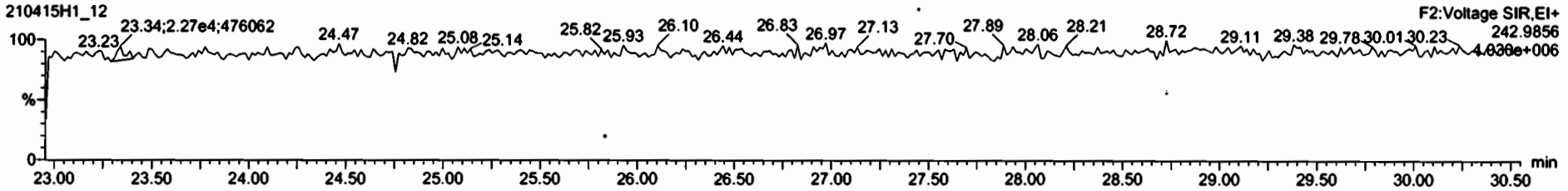
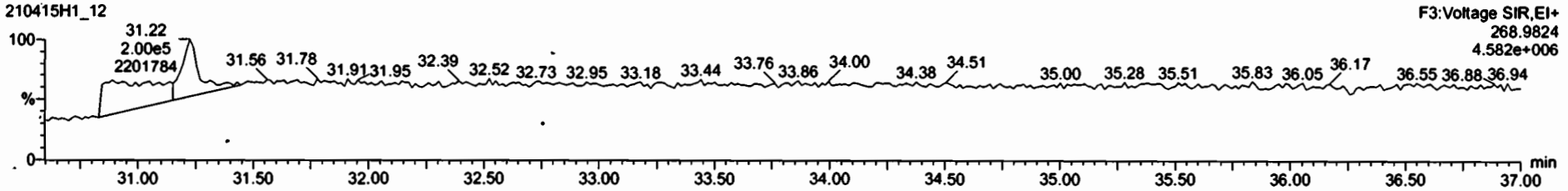
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_12, Date: 15-Apr-2021, Time: 18:30:47, ID: 2103216-05RE1 USMPDI-059RAB-10-20-210318 1.27, Description: USMPDI-059RAB-10-20-210318

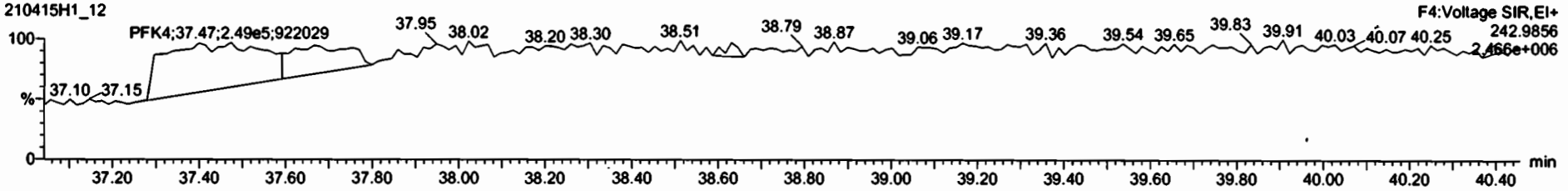
PFK2



PFK3



PFK4



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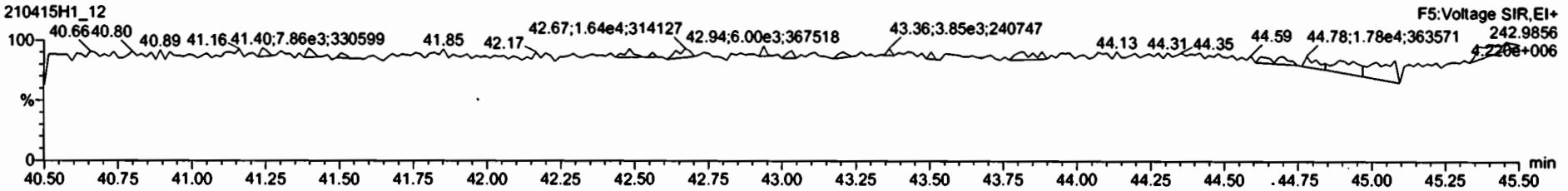

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_11.qld

Last Altered: Monday, April 19, 2021 12:44:00 Pacific Daylight Time
Printed: Monday, April 19, 2021 12:44:29 Pacific Daylight Time

OC 04/28/21
04/19/21
DF 04/17/21 CTO5/03/2021

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210415H1_11, Date: 15-Apr-2021, Time: 17:42:26, ID: 2103216-06RE1 USMPDI-059RAB-20-25.5-210318 1.24, Description: USMPDI-059RAB-20-25.5-210318, Task: ST210415H1_1

	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	4 Lindane (gamma-...		2.51e5		NO	0.860	1.007			1.000	YES			2.88	
2	9 Aldrin		6.98e4		NO	1.09	1.007			1.001	YES			6.02	
3	10 Oxychlordane		3.33e4		NO	1.06	1.007			1.001	YES			10.4	
4	13 trans-Chlordane (g...	9.02e2	2.36e4	0.70	YES	1.14	1.007	35.06	1.001	1.001	NO	33.614		13.9	22.5
5	14 trans-Nonachlor		2.26e4		NO	1.06	1.007			1.000	YES			13.6	
6	15 cis-Chlordane		2.26e4		NO	1.16	1.007			1.016	YES			12.4	
7	18 2,4'-DDE	1.71e4	8.06e5	1.51	NO	1.02	1.007	35.70	1.000	1.000	NO	20.550		2.01	20.5
8	19 4,4'-DDE	1.70e5	4.82e5	1.53	NO	1.04	1.007	36.77	1.000	1.000	NO	338.44		3.29	338
9	20 Dieldrin	2.12e3	5.48e4	1.23	NO	1.03	1.007	37.28	1.000	1.001	NO	37.228		11.7	37.2
10	22 cis-Nonachlor		1.92e4		NO	1.00	1.007			1.000	YES			30.7	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_11.qld

Last Altered: Monday, April 19, 2021 12:39:34 Pacific Daylight Time
Printed: Monday, April 19, 2021 12:41:35 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210415H1_11, Date: 15-Apr-2021, Time: 17:42:26, ID: 2103216-06RE1 USMPDI-059RAB-20-25.5-210318 1.24, Description: USMPDI-059RAB-20-25.5-210318, Task: ST210415H1_1

	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	24 2,4'-DDD	1.49e5	4.91e5	1.57	NO	1.07	1.007	37.90	1.000	1.000	NO	282.91		6.01	283
2	25 2,4'-DDT	1.13e4	1.79e5	1.56	NO	1.05	1.007	39.02	1.000	1.000	NO	59.685		15.4	59.7
3	26 4,4'-DDD	3.60e5	2.80e5	1.57	NO	1.16	1.007	39.15	1.000	1.000	NO	1097.4		9.23	1100
4	27 4,4'-DDT	7.41e4	1.18e5	1.45	NO	1.13	1.007	40.21	1.000	1.001	NO	551.67		24.1	552
5	36 13C6-Lindane (ga...	2.51e5	1.91e6	0.79	NO	0.194	1.007	26.57	1.019	1.019	NO	672.79	67.8	2.97	
6	40 13C12-Aldrin	6.98e4	1.91e6	1.54	NO	0.154	1.007	30.80	1.181	1.181	NO	235.21	23.7	2.89	
7	41 13C10-Oxychlorda...	3.33e4	1.91e6	1.66	NO	0.0404	1.007	33.35	1.279	1.280	NO	427.68	43.1	11.0	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_11.qld

Last Altered: Monday, April 19, 2021 12:39:34 Pacific Daylight Time
Printed: Monday, April 19, 2021 12:41:48 Pacific Daylight Time

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Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210415H1_11, Date: 15-Apr-2021, Time: 17:42:26, ID: 2103216-06RE1 USMPDI-059RAB-20-25.5-210318 1.24, Description: USMPDI-059RAB-20-25.5-210318, Task: ST210415H1_1

	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	43 13C10-trans-Chlor...	2.36e4	1.91e6	1.57	NO	0.0358	1.007	35.03	1.344	1.344	NO	342.44	34.5	12.4	
2	44 13C10-trans-Nona...	2.26e4	5.52e5	1.41	NO	0.0638	1.007	35.22	0.983	0.983	NO	638.68	64.3	15.0	
3	46 13C12-2,4'-DDE	8.06e5	5.52e5	1.59	NO	1.43	1.007	35.69	0.996	0.995	NO	1010.6	102	4.47	
4	47 13C12-4,4'-DDE	4.82e5	5.52e5	1.70	NO	0.995	1.007	36.75	1.025	1.026	NO	871.10	87.8	6.44	
5	48 13C12-Dieldrin	5.48e4	5.52e5	1.63	NO	0.146	1.007	37.27	1.040	1.040	NO	674.01	67.9	14.4	
6	50 13C10-cis-Nonach...	1.92e4	5.52e5	1.62	NO	0.0791	1.007	38.94	1.086	1.087	NO	436.38	44.0	26.5	
7	52 13C12-2,4'-DDD	4.91e5	5.52e5	1.69	NO	1.35	1.007	37.89	1.057	1.057	NO	652.60	65.7	11.3	
8	53 13C12-2,4'-DDT	1.79e5	5.52e5	1.59	NO	0.962	1.007	39.00	1.088	1.089	NO	335.16	33.8	15.8	
9	54 13C12-4,4'-DDD	2.80e5	5.52e5	1.68	NO	1.12	1.007	39.14	1.092	1.092	NO	448.63	45.2	13.6	
10	55 13C12-4,4'-DDT	1.18e5	5.52e5	1.86	NO	0.735	1.007	40.19	1.121	1.122	NO	287.99	29.0	20.7	
11	62 13C-PCB-15	1.91e6	1.91e6	1.58	NO	1.00	1.007	26.07	1.000	1.000	NO	992.66	100	1.74	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_11.qld

Last Altered: Monday, April 19, 2021 12:39:34 Pacific Daylight Time
Printed: Monday, April 19, 2021 12:41:55 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210415H1_11, Date: 15-Apr-2021, Time: 17:42:26, ID: 2103216-06RE1 USMPDI-059RAB-20-25.5-210318 1.24, Description: USMPDI-059RAB-20-25.5-210318, Task: ST210415H1_1

	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	63 13C-PCB-60	5.52e5	5.52e5	0.80	NO	1.00	1.007	35.85	1.000	1.000	NO	992.66	100	1.72	

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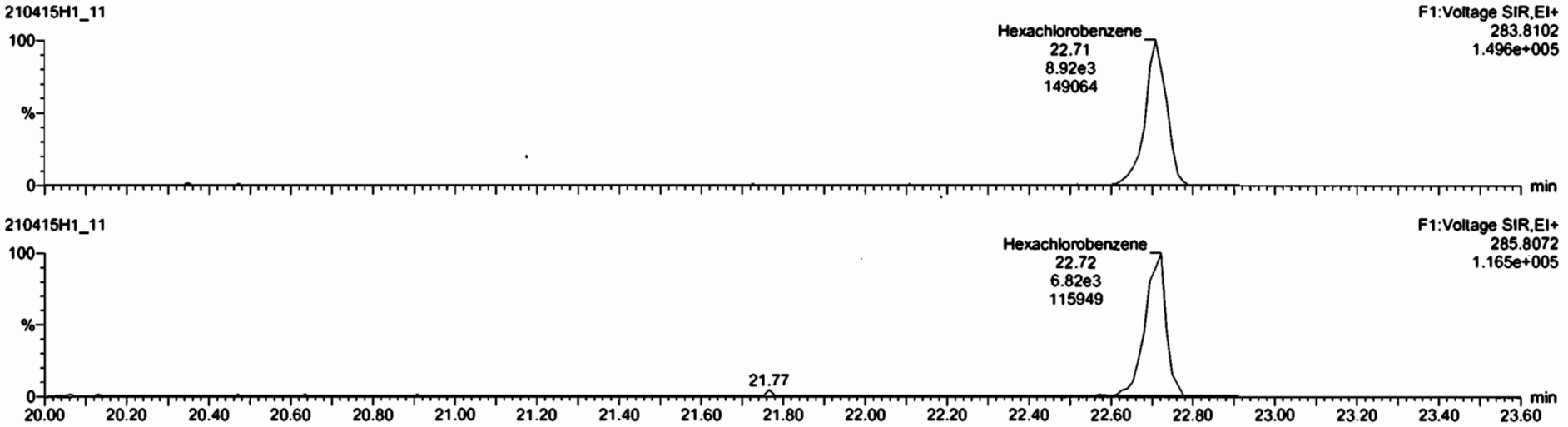
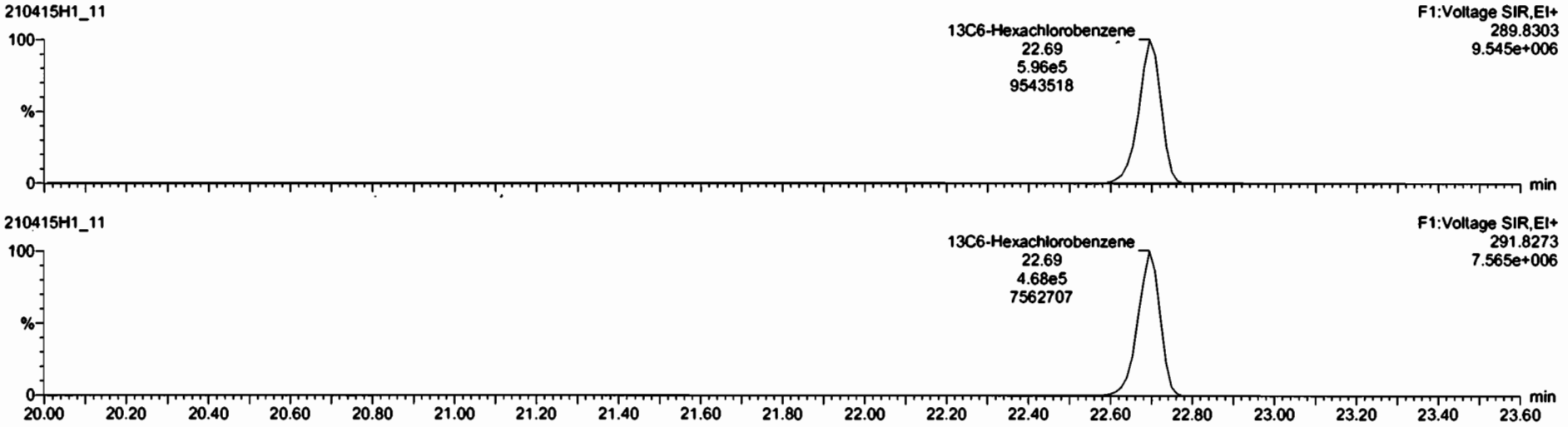
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_11, Date: 15-Apr-2021, Time: 17:42:26, ID: 2103216-06RE1 USMPDI-059RAB-20-25.5-210318 1.24, Description: USMPDI-059RAB-20-25.5-210318

Hexachlorobenzene



13C6-Hexachlorobenzene



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Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

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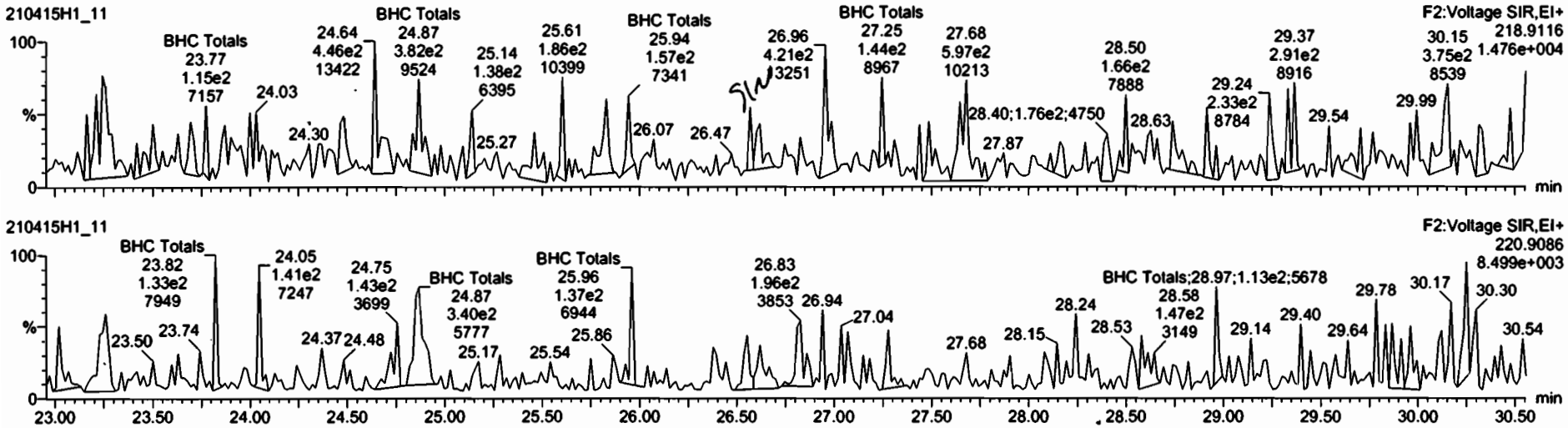
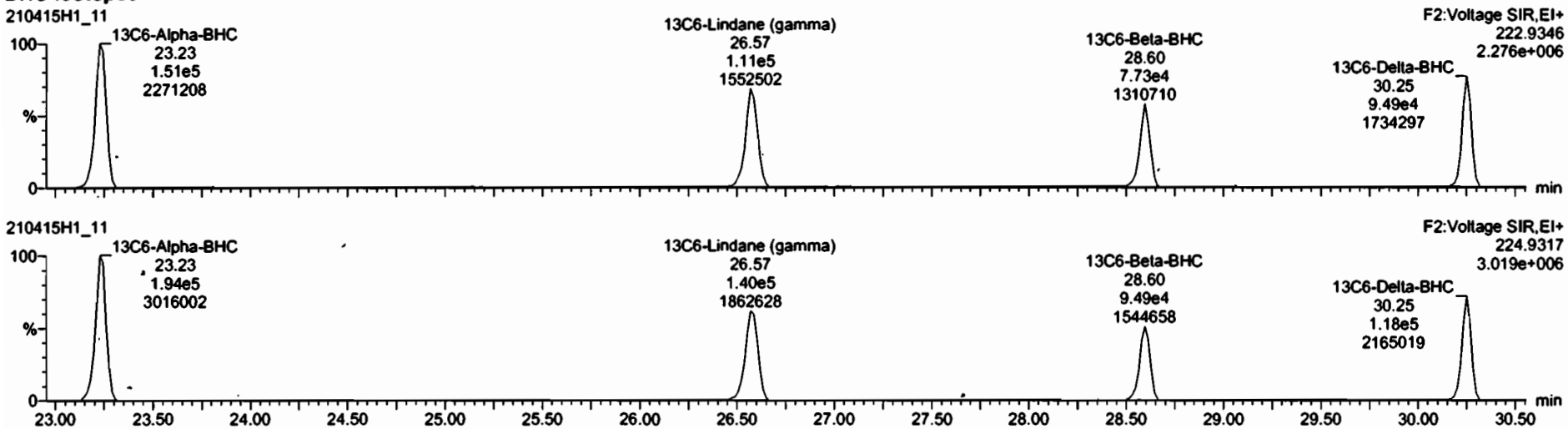
BHC Totals



BHC-isotopes

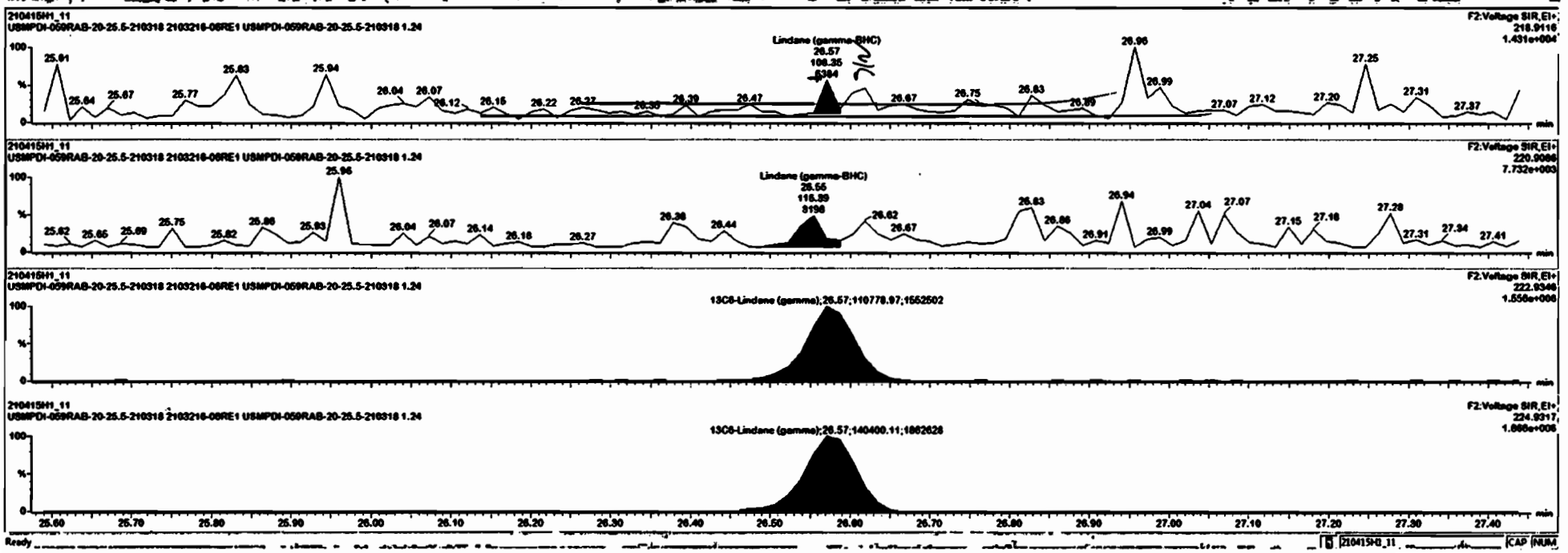


TargetLynx - 210415H1_1.qld - Chromatogram

File Edit View Display Processing Window Help

210415H1_11 - 2103216-06RE1 USMPDI-059RAB-20-25.5-210318 1.24 - USMPDI-059RAB-20-25.5-210318

#	#	Name	Resp	S AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
1	1	Hexachlorobutadiene	2.16e4	1.46e6	0.26	YES	0.10	1.0074	9.98	10.00	1.000	1.002	NO	1441		5.63	530
2	2	Hexachlorobenzene	1.57e4	1.06e6	1.31	NO	0.98	1.0074	22.71	22.70	1.001	1.000	NO	14.93		0.0784	14.9
3	3	Alpha-BHC	1.02e3	3.45e5	2.73	YES	0.83	1.0074	23.24	23.26	1.001	1.001	NO	3.560		2.03	2.94
4	4	Lindane (gamma-BHC)	2.25e2	2.51e5	0.93	YES	0.86	1.0074	26.57	26.58	1.000	1.000	NO	1.033		2.88	0.738
5	5	Beta-BHC		1.72e5		NO	1.00	1.0074		28.62		1.001	YES			2.99	
6	6	Delta-BHC	3.41e2	2.13e5	0.92	YES	0.91	1.0074	30.32	30.28	1.002	1.001	NO	1.749		2.47	1.24
7	7	Heptachlor		1.14e5		NO	1.10	1.0074		28.74		1.001	YES			1.82	
8	8	4,4'-DDNU	7.58e3	2.13e5	2.34	YES	1.25	1.0074	30.19	30.19	0.998	0.998	NO	28.11		6.97	28.0
9	9	Aldrin	5.20e2	6.98e4	0.65	YES	1.09	1.0074	30.83	30.83	1.001	1.001	NO	6.768		6.02	4.37
10	10	Oxychlordane		3.33e4		NO	1.08	1.0074		33.39		1.001	YES			10.4	
11	11	cis-Heptachlor Epoxide		4.51e4		NO	1.08	1.0074		34.18		1.001	YES			7.97	
12	12	trans-Heptachlor Epoxide	2.09e2	4.51e4	0.92	YES	0.29	1.0074	34.62	34.69	1.014	1.016	NO	15.84		29.5	12.5
13	13	trans-Chlordane (gamma)	8.73e2	2.36e4	0.68	YES	1.14	1.0074	35.06	35.07	1.001	1.001	NO	32.26		13.9	21.5
14	14	trans-Nonachlor	5.54e2	2.29e4	2.57	YES	1.08	1.0074	35.24	35.22	1.000	1.000	NO	22.65		13.6	16.2



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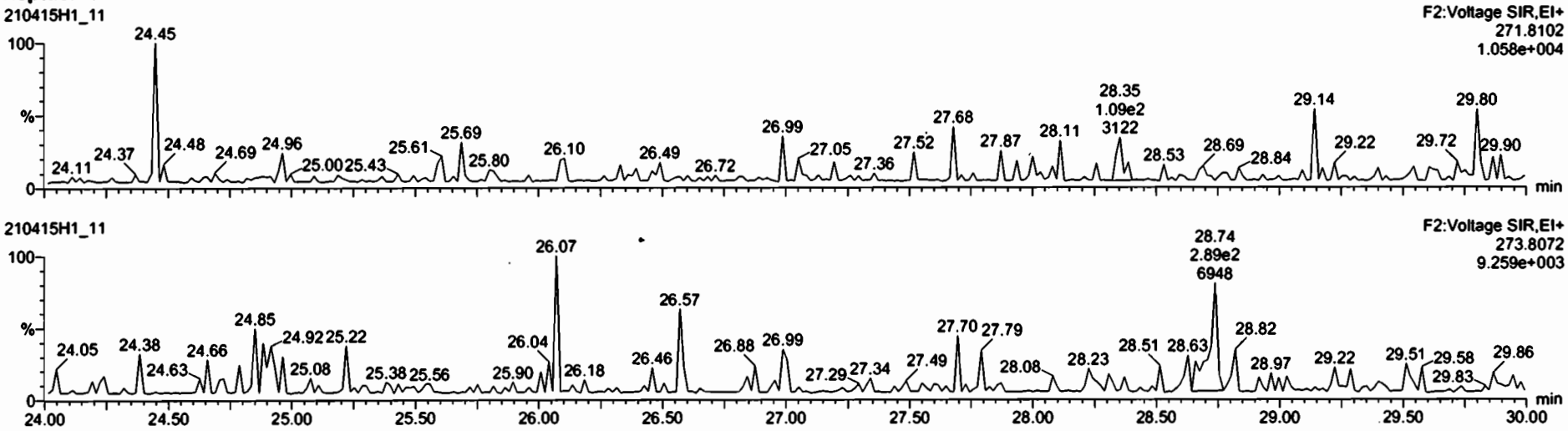
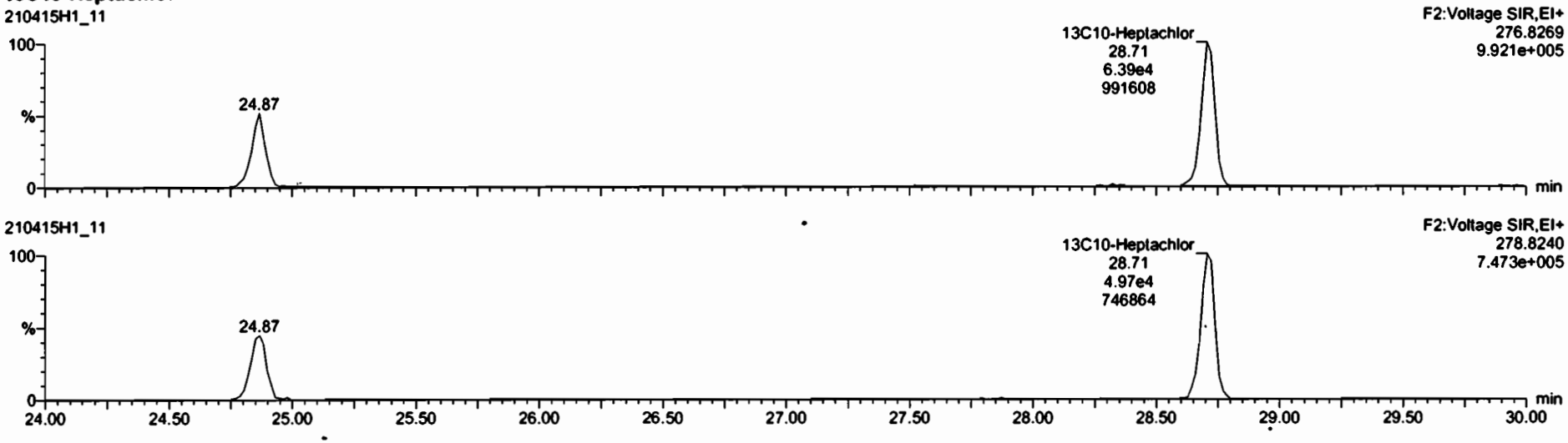
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_11, Date: 15-Apr-2021, Time: 17:42:26, ID: 2103216-06RE1 USMPDI-059RAB-20-25.5-210318 1.24, Description: USMPDI-059RAB-20-25.5-210318

Heptachlor



13C10-Heptachlor



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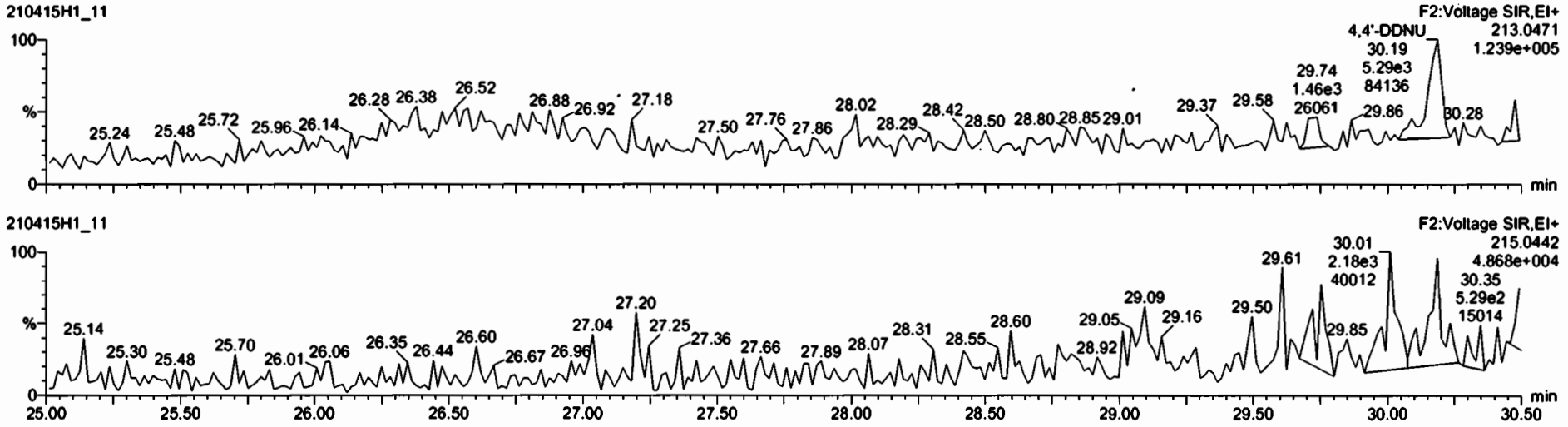
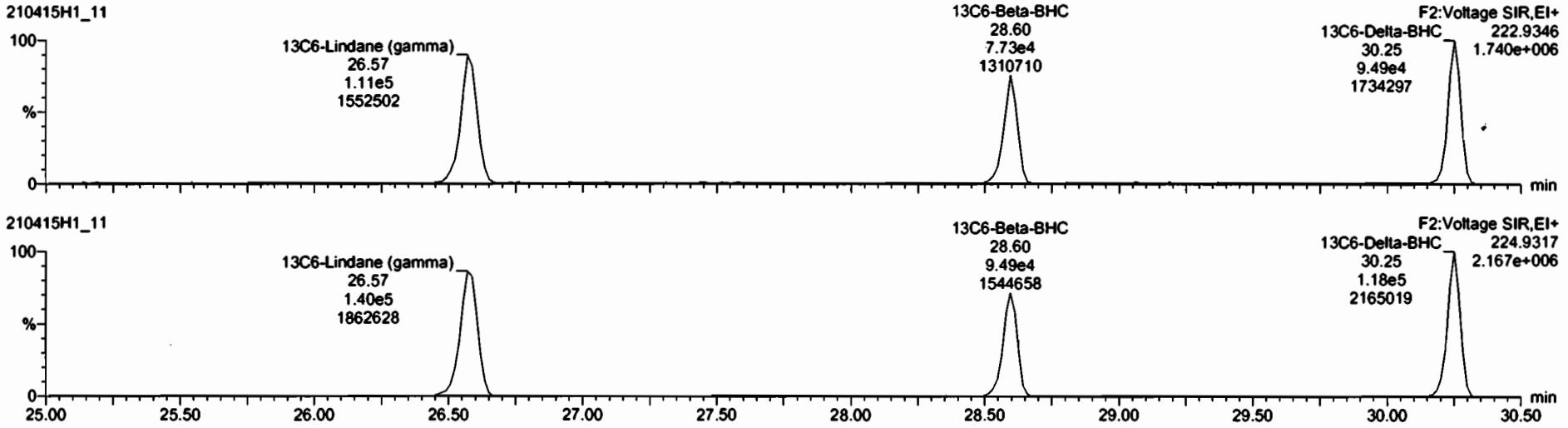
Name: 210415H1_11, Date: 15-Apr-2021, Time: 17:42:26, ID: 2103216-06RE1 USMPDI-059RAB-20-25.5-210318 1.24, Description: USMPDI-059RAB-20-25.5-210318

4,4'-DDNU



13C6-Delta-BHC



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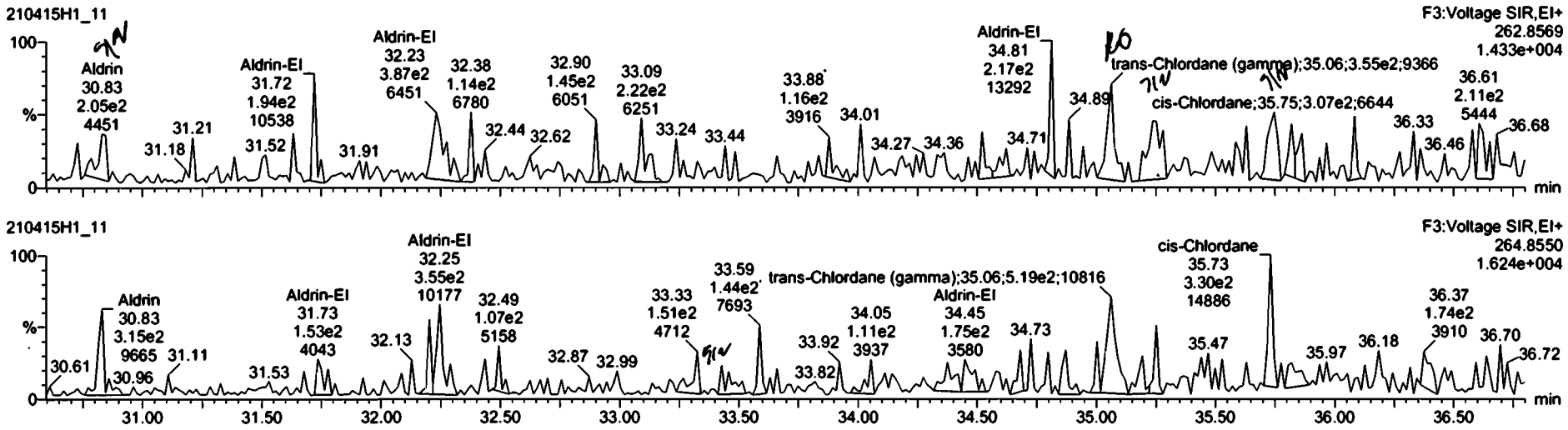
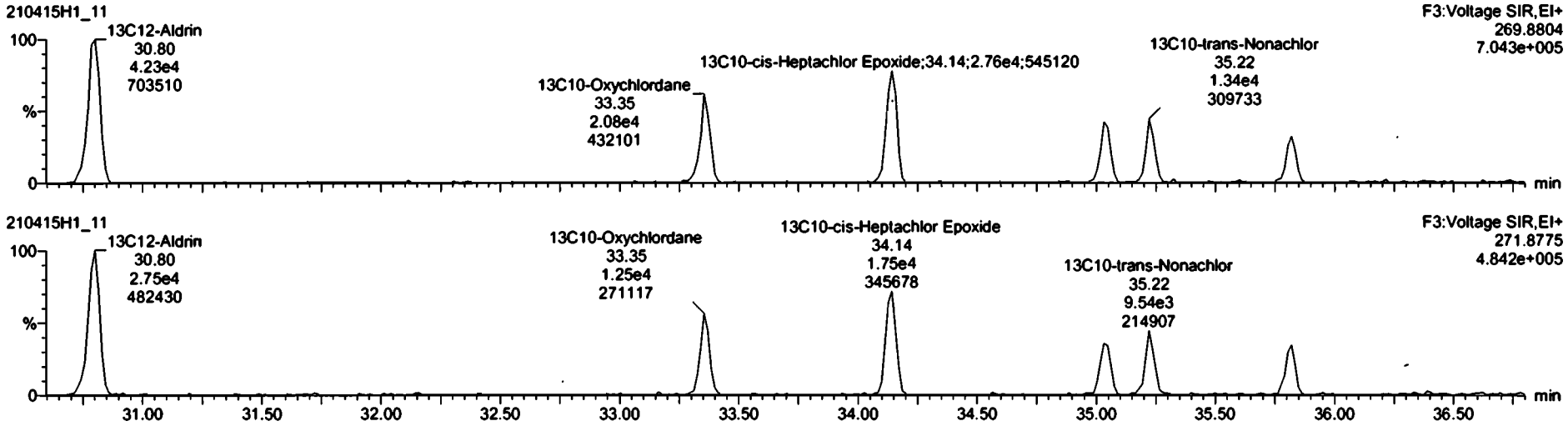
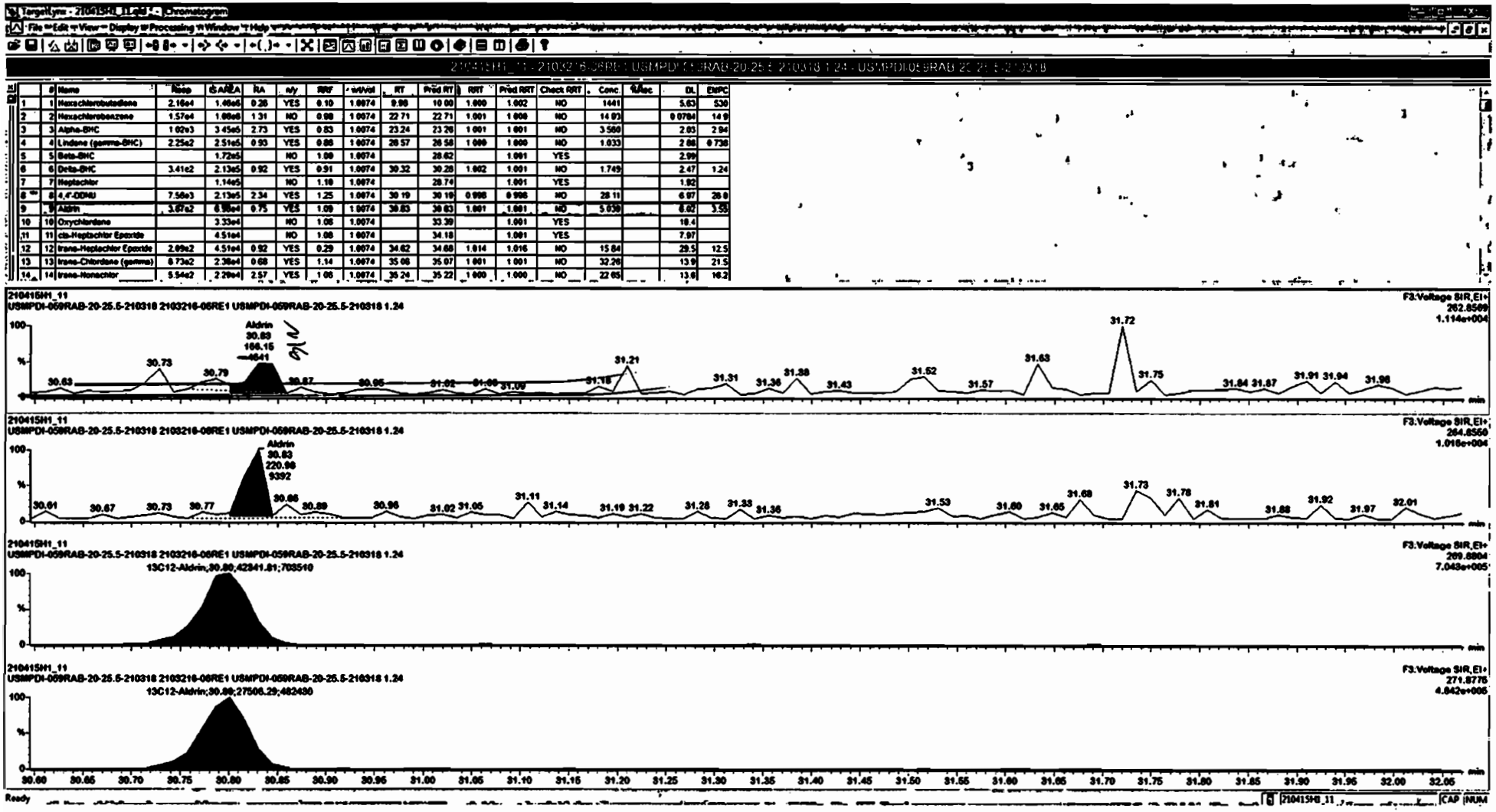
Name: 210415H1_11, Date: 15-Apr-2021, Time: 17:42:26, ID: 2103216-06RE1 USMPDI-059RAB-20-25.5-210318 1.24, Description: USMPDI-059RAB-20-25.5-210318

Aldrin-EI

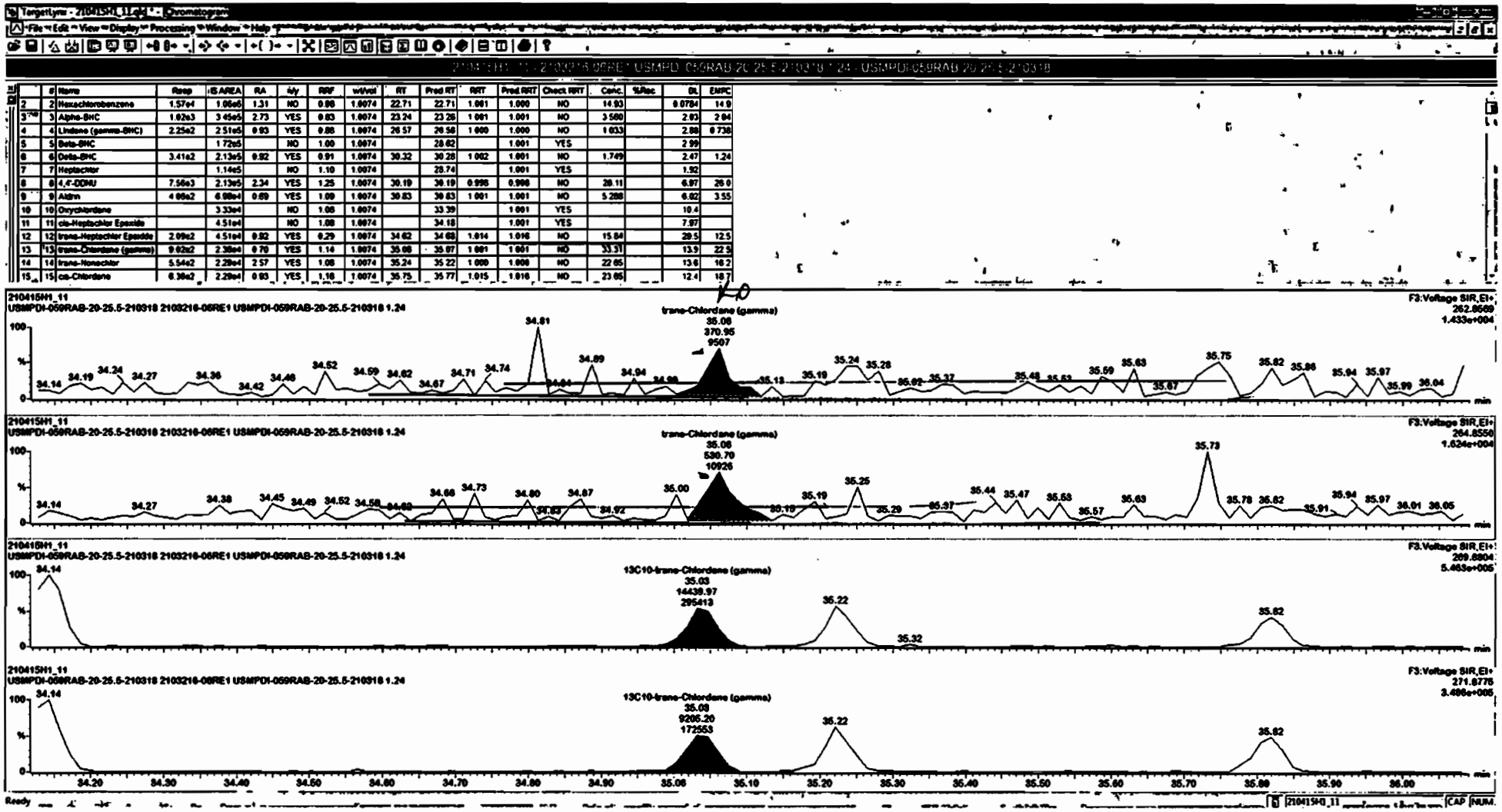


Aldrin-EI-isotopes

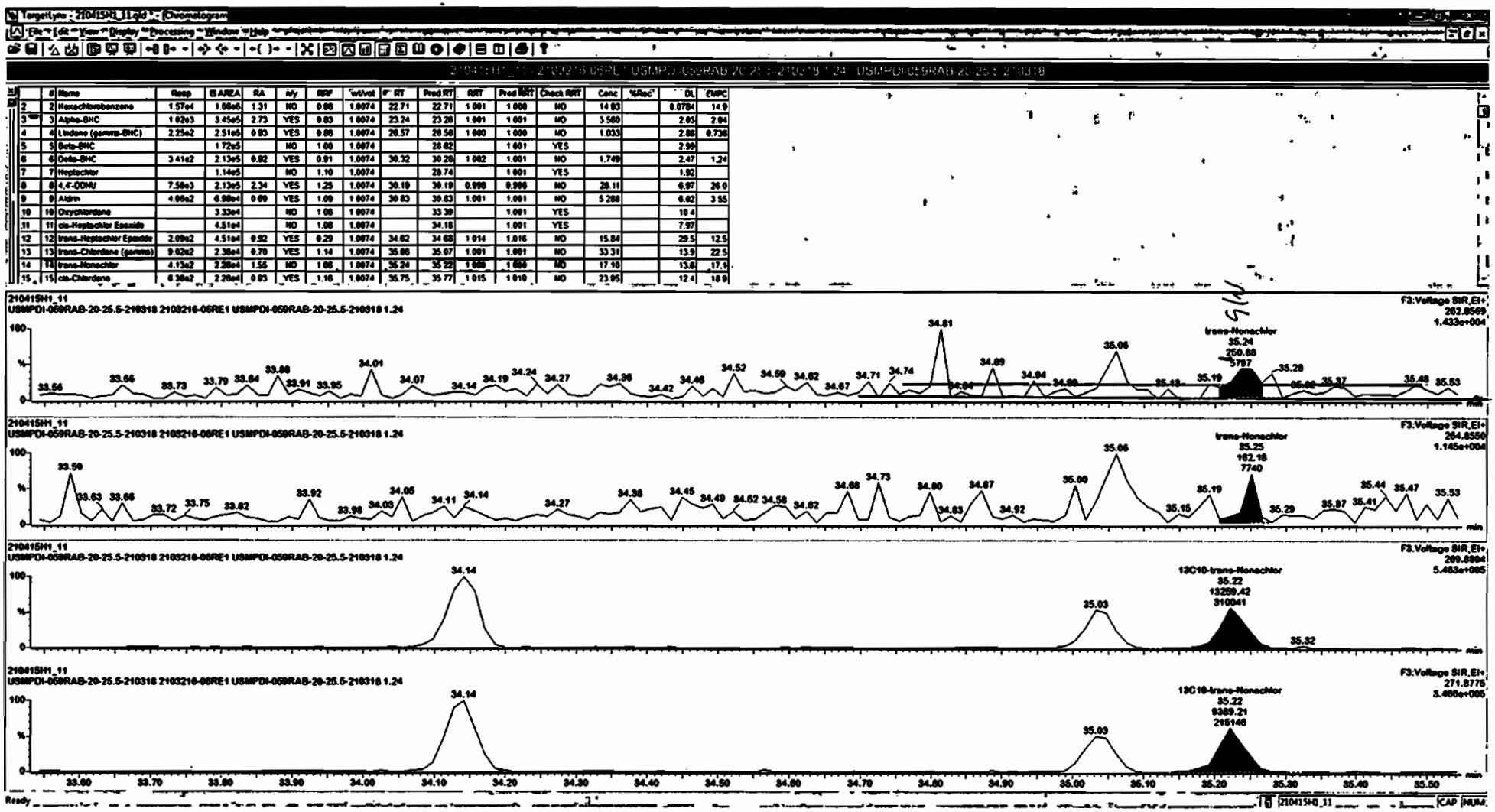




		Name	Resp	AREA	RA	a/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	Exc	DL	EMPC
1	1	Hexachlorobutadiene	2.16e4	1.46e6	0.26	YES	0.10	1.0074	9.98	10.00	1.000	1.002	NO	1441		5.63	530
2	2	Hexachlorobenzene	1.57e4	1.08e6	1.31	NO	0.98	1.0074	22.71	22.71	1.001	1.000	NO	14.93		0.0784	14.9
3	3	Alpha-BHC	1.92e3	3.45e5	2.73	YES	0.83	1.0074	23.24	23.26	1.001	1.001	NO	3.569		2.03	2.94
4	4	Lindane (gamma-BHC)	2.25e2	2.51e5	0.93	YES	0.88	1.0074	26.57	26.58	1.000	1.000	NO	1.033		2.88	0.738
5	5	Beta-BHC		1.72e5		NO	1.09	1.0074		28.62		1.001	YES			2.99	
6	6	Delta-BHC	3.41e2	2.13e5	0.92	YES	0.91	1.0074	30.32	30.28	1.002	1.001	NO	1.749		2.47	1.24
7	7	Heptachlor		1.14e5		NO	1.19	1.0074		28.74		1.001	YES			1.82	
8	8	4,4'-DDMU	7.56e3	2.13e5	2.34	YES	1.25	1.0074	30.19	30.19	0.998	0.998	NO	28.11		6.97	28.8
9	9	Aldrin	3.87e2	6.86e4	0.75	YES	1.09	1.0074	30.83	30.83	1.001	1.001	NO	5.059		6.02	3.55
10	10	Oxychlordane		3.33e4		NO	1.06	1.0074		33.39		1.001	YES			18.4	
11	11	cis-Heptachlor Epoxide		4.51e4		NO	1.08	1.0074		34.18		1.001	YES			7.97	
12	12	trans-Heptachlor Epoxide	2.09e2	4.51e4	0.92	YES	0.29	1.0074	34.62	34.68	1.014	1.016	NO	15.84		29.5	12.5
13	13	trans-Chlordane (gamma)	8.73e2	2.38e4	0.68	YES	1.14	1.0074	35.06	35.07	1.001	1.001	NO	32.26		13.9	21.5
14	14	trans-Nonachlor	5.54e2	2.29e4	2.57	YES	1.06	1.0074	35.24	35.22	1.000	1.000	NO	22.65		13.6	16.2



		Name	Resp	IS AREA	RA	+/-	RRF	w/v/vol	RT	Prod RT	RRT	Prod RRT	Check RRT	Conc.	%Rec	DL	EMPC
2	2	Hexachlorobenzene	1.57e4	1.06e6	1.31	NO	0.98	1.0074	22.71	22.71	1.001	1.000	NO	14.93		0.0784	14.9
3	3	Alpha-BHC	1.02e3	3.45e5	2.73	YES	0.83	1.0074	23.24	23.26	1.001	1.001	NO	3.560		2.83	2.84
4	4	Lindane (gamma-BHC)	2.25e2	2.51e5	0.93	YES	0.86	1.0074	26.57	26.58	1.000	1.000	NO	1.033		2.88	0.738
5	5	Beta-BHC		1.72e5		NO	1.00	1.0074		28.62		1.001	YES			2.99	
6	6	Delta-BHC	3.41e2	2.13e5	0.92	YES	0.91	1.0074	30.32	30.28	1.002	1.001	NO	1.749		2.47	1.24
7	7	Heptachlor		1.14e5		NO	1.10	1.0074		28.74		1.001	YES			1.92	
8	8	4,4'-DDMU	7.58e3	2.13e5	2.34	YES	1.25	1.0074	30.19	30.19	0.996	0.996	NO	28.11		6.97	26.0
9	9	Aldrin	4.99e2	6.98e4	0.69	YES	1.09	1.0074	30.83	30.83	1.001	1.001	NO	5.288		6.02	3.55
10	10	Oxychlordane		3.33e4		NO	1.08	1.0074		33.39		1.001	YES			10.4	
11	11	cis-Heptachlor Epoxide		4.51e4		NO	1.08	1.0074		34.18		1.001	YES			7.97	
12	12	trans-Heptachlor Epoxide	2.09e2	4.51e4	0.92	YES	0.29	1.0074	34.62	34.68	1.014	1.016	NO	15.84		29.5	12.5
13	13	trans-Chlordane (gamma)	9.92e2	2.38e4	0.70	YES	1.14	1.0074	35.08	35.07	1.001	1.001	NO	33.31		13.9	22.9
14	14	trans-Nonachlor	5.54e2	2.29e4	2.57	YES	1.08	1.0074	35.24	35.22	1.000	1.000	NO	22.65		13.6	16.2
15	15	cis-Chlordane	6.38e2	2.29e4	0.93	YES	1.16	1.0074	35.75	35.77	1.015	1.016	NO	23.65		12.4	18.7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Name Resp S AREA RA Mv RRF %Wt/Vol RT Prod RT RRT Prod RRT Check RRT Conc %Rec DL EMPC
2 Hexachlorobenzene 1.57e4 1.06e6 1.31 NO 0.98 1.0074 22.71 22.71 1.001 1.000 NO 14.93 0.0784 14.9
3 Alpha-BHC 1.02e3 3.45e5 2.73 YES 0.83 1.0074 23.24 23.26 1.001 1.001 NO 3.560 2.03 2.94
4 Lindane (gamma-BHC) 2.25e2 2.51e5 0.93 YES 0.86 1.0074 26.57 26.56 1.000 1.000 NO 1.033 2.88 0.738
5 Beta-BHC 1.72e5 NO 1.08 1.0074 26.62 1.001 YES 2.99
6 Delta-BHC 3.41e2 2.13e5 0.92 YES 0.91 1.0074 30.32 30.26 1.002 1.001 NO 1.749 2.47 1.24
7 Heptachlor 1.14e5 NO 1.10 1.0074 28.74 1.001 YES 1.92
8 4,4'-DDMU 7.58e3 2.13e5 2.34 YES 1.25 1.0074 30.19 30.19 0.998 0.998 NO 28.11 6.97 26.0
9 Aldrin 4.66e2 6.98e4 0.69 YES 1.09 1.0074 30.83 30.83 1.001 1.001 NO 5.288 6.82 3.55
10 Oxychlordane 3.33e4 NO 1.08 1.0074 33.39 1.001 YES 10.4
11 cis-Heptachlor Epoxide 4.51e4 NO 1.08 1.0074 34.18 1.001 YES 7.97
12 trans-Heptachlor Epoxide 2.09e2 4.51e4 0.92 YES 0.29 1.0074 34.62 34.68 1.014 1.016 NO 15.84 29.5 12.5
13 trans-Chlordane (gamma) 9.02e2 2.38e4 0.70 YES 1.14 1.0074 35.06 35.07 1.001 1.001 NO 33.31 13.9 22.5
14 trans-Nonachlor 4.13e2 2.28e4 1.55 NO 1.08 1.0074 35.24 35.22 1.000 1.000 NO 17.10 13.6 17.1
15 cis-Chlordane 6.38e2 2.26e4 0.93 YES 1.16 1.0074 35.75 35.77 1.015 1.010 NO 23.95 12.4 18.9
210415H1_11
USMPDI-059RAB-20-25.5-210318 2103216-06RE1 USMPDI-059RAB-20-25.5-210318 1.24
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1.433e+004
trans-Nonachlor
35.24
260.88
5797
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USMPDI-059RAB-20-25.5-210318 2103216-06RE1 USMPDI-059RAB-20-25.5-210318 1.24
F3:Voltage SIR,EI+
264.8550
1.145e+004
trans-Nonachlor
35.25
182.18
7740
210415H1_11
USMPDI-059RAB-20-25.5-210318 2103216-06RE1 USMPDI-059RAB-20-25.5-210318 1.24
F3:Voltage SIR,EI+
269.8804
5.463e+005
13C10-trans-Nonachlor
35.22
13259.42
310041
210415H1_11
USMPDI-059RAB-20-25.5-210318 2103216-06RE1 USMPDI-059RAB-20-25.5-210318 1.24
F3:Voltage SIR,EI+
271.8775
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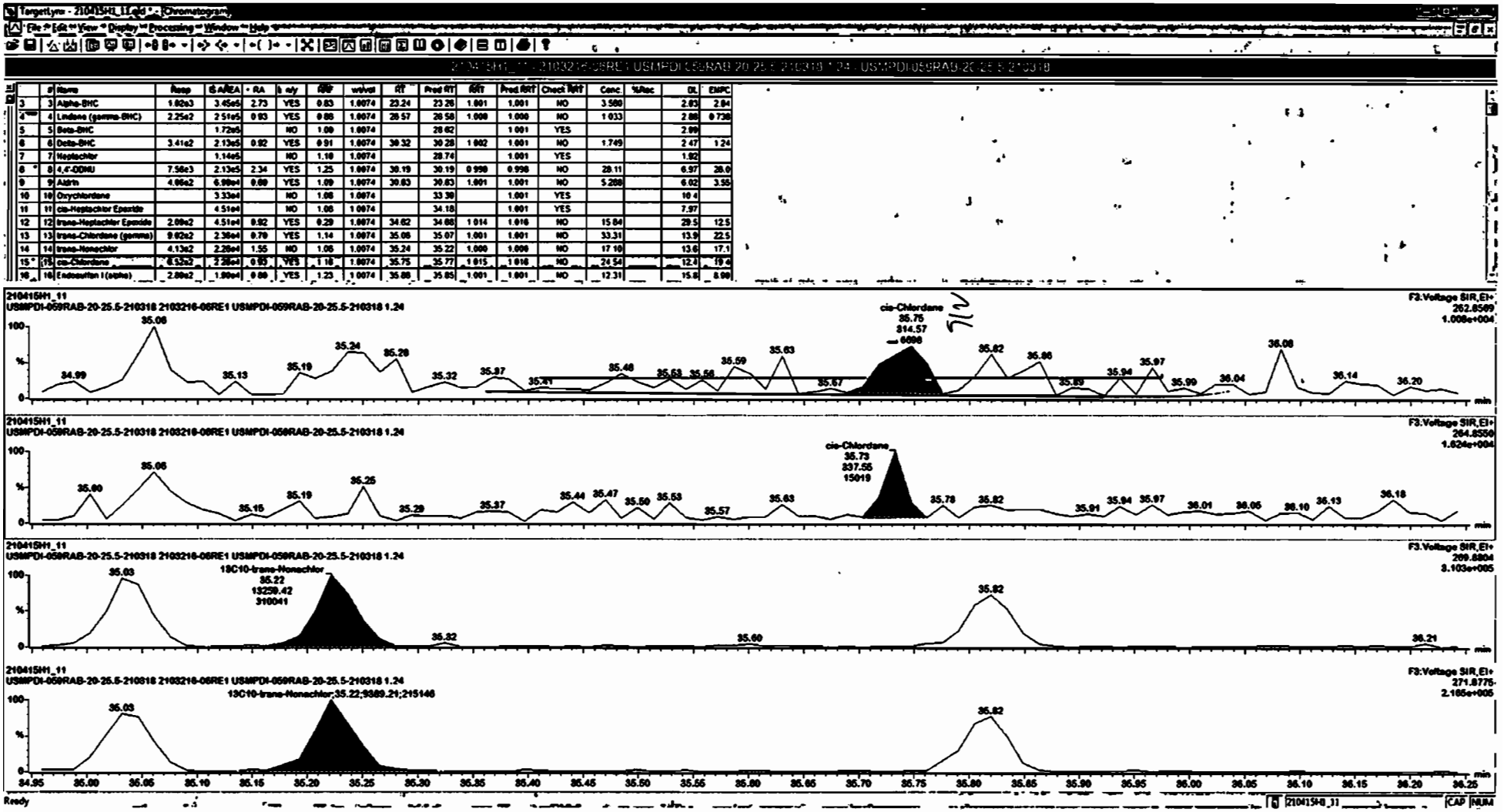
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File Edit View Display Processing Window Help
210415H1_11 : 2103216-05RE1 USMPDI-059RAB-20-25.5-210318 1.24 : USMPDI-059RAB-20-25.5-210318
Name Resp $ AREA RA Is adj RRF wvlvd RT Prod RT RRT Prod RRT Check RRT Conc %Rec DL EMPC
3 Alpha-BHC 1.82e3 3.45e5 2.73 YES 0.83 1.0074 23.24 23.26 1.001 1.001 NO 3.569 2.83 2.84
4 Lindane (gamma-BHC) 2.25e2 2.51e5 0.93 YES 0.86 1.0074 26.57 26.58 1.000 1.000 NO 1.033 2.86 0.736
5 Beta-BHC 1.72e5 NO 1.00 1.0074 26.62 1.001 YES 2.99
6 Delta-BHC 3.41e2 2.13e5 0.92 YES 0.91 1.0074 30.32 30.28 1.002 1.001 NO 1.749 2.47 1.24
7 Heptachlor 1.14e5 NO 1.18 1.0074 28.74 1.001 YES 1.92
8 4,4'-DDMU 7.56e3 2.13e5 2.34 YES 1.25 1.0074 30.19 30.19 0.998 0.998 NO 28.11 6.97 28.0
9 Aldrin 4.06e2 6.99e4 0.89 YES 1.09 1.0074 30.83 30.83 1.001 1.001 NO 5.288 6.02 3.55
10 Oxychlordane 3.33e4 NO 1.08 1.0074 33.39 1.001 YES 10.4
11 cis-Heptachlor Epoxide 4.51e4 NO 1.08 1.0074 34.18 1.001 YES 7.97
12 trans-Heptachlor Epoxide 2.09e2 4.51e4 0.92 YES 0.29 1.0074 34.62 34.68 1.014 1.016 NO 15.84 29.5 12.5
13 trans-Chlordane (gamma) 9.02e2 2.36e4 0.79 YES 1.14 1.0074 35.08 35.07 1.001 1.001 NO 33.31 13.9 22.5
14 trans-Nonachlor 4.13e2 2.28e4 1.55 NO 1.06 1.0074 35.24 35.22 1.000 1.000 NO 17.10 13.6 17.1
15 * 15 cis-Chlordane 8.52e2 2.28e4 0.93 YES 1.18 1.0074 35.75 35.77 1.015 1.016 NO 24.54 12.8 19.4
16 16 Endosulfan I (alpha) 2.89e2 1.90e4 0.89 YES 1.23 1.0074 35.86 35.85 1.001 1.001 NO 12.31 15.8 8.99
210415H1_11
USMPDI-059RAB-20-25.5-210318 2103216-05RE1 USMPDI-059RAB-20-25.5-210318 1.24
F2:Voltage SIR,EI+
262.8569
1.008e+004
cis-Chlordane
35.75
314.57
6098
35.06
34.99
35.13
35.19
35.24
35.28
35.32
35.37
35.41
35.46
35.53
35.56
35.59
35.63
35.67
35.82
35.86
35.89
35.94
35.97
35.99
36.04
36.08
36.14
36.20
min
210415H1_11
USMPDI-059RAB-20-25.5-210318 2103216-05RE1 USMPDI-059RAB-20-25.5-210318 1.24
F3:Voltage SIR,EI+
264.8550
1.624e+004
cis-Chlordane
35.73
337.55
15019
35.00
35.06
35.15
35.19
35.25
35.29
35.37
35.44
35.47
35.50
35.53
35.57
35.63
35.78
35.82
35.91
35.94
35.97
36.01
36.05
36.10
36.13
36.18
min
210415H1_11
USMPDI-059RAB-20-25.5-210318 2103216-05RE1 USMPDI-059RAB-20-25.5-210318 1.24
F3:Voltage SIR,EI+
269.8804
3.103e+005
13C10-trans-Nonachlor
35.22
13259.42
310041
35.03
35.32
35.60
35.82
36.21
min
210415H1_11
USMPDI-059RAB-20-25.5-210318 2103216-05RE1 USMPDI-059RAB-20-25.5-210318 1.24
F3:Voltage SIR,EI+
271.8775
2.165e+005
13C10-trans-Nonachlor;35.22;9389.21;215146
35.03
35.82
34.95
35.00
35.05
35.10
35.15
35.20
35.25
35.30
35.35
35.40
35.45
35.50
35.55
35.60
35.65
35.70
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35.85
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210415H1_11
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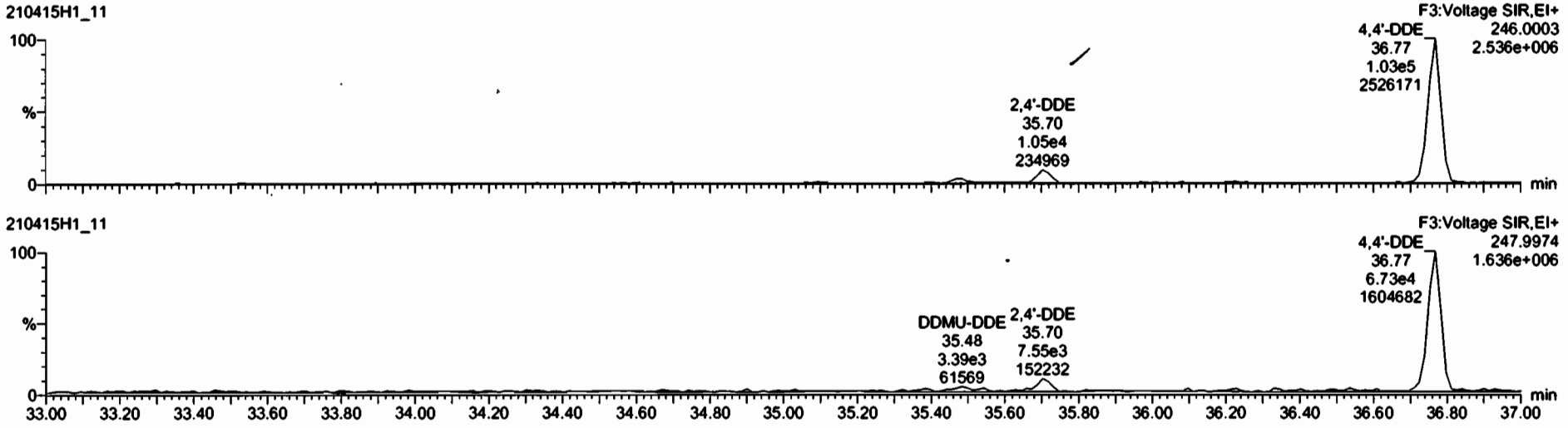
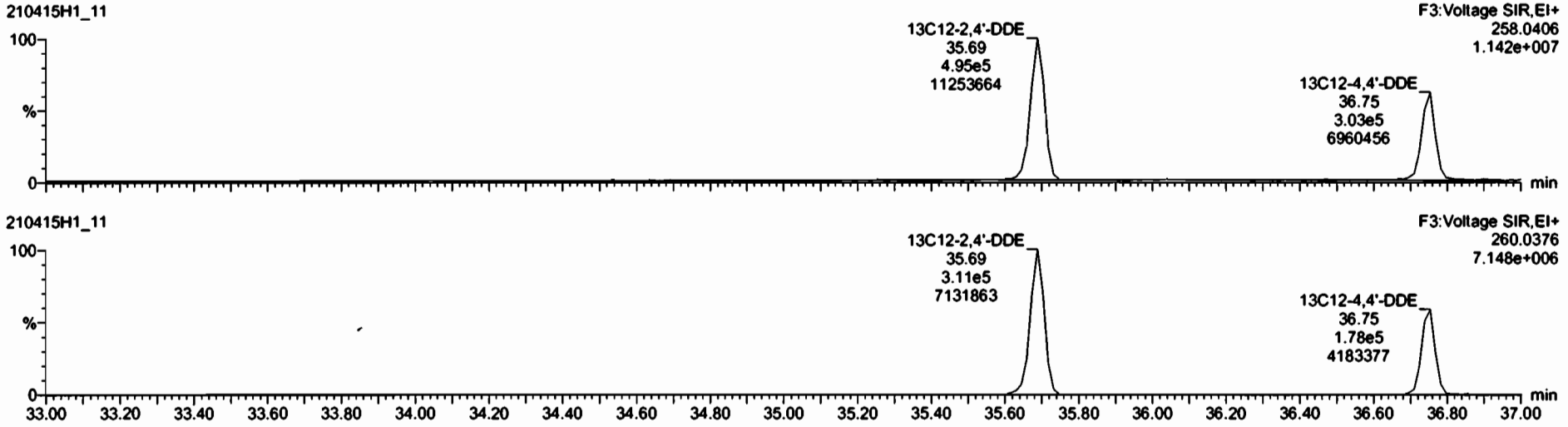
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

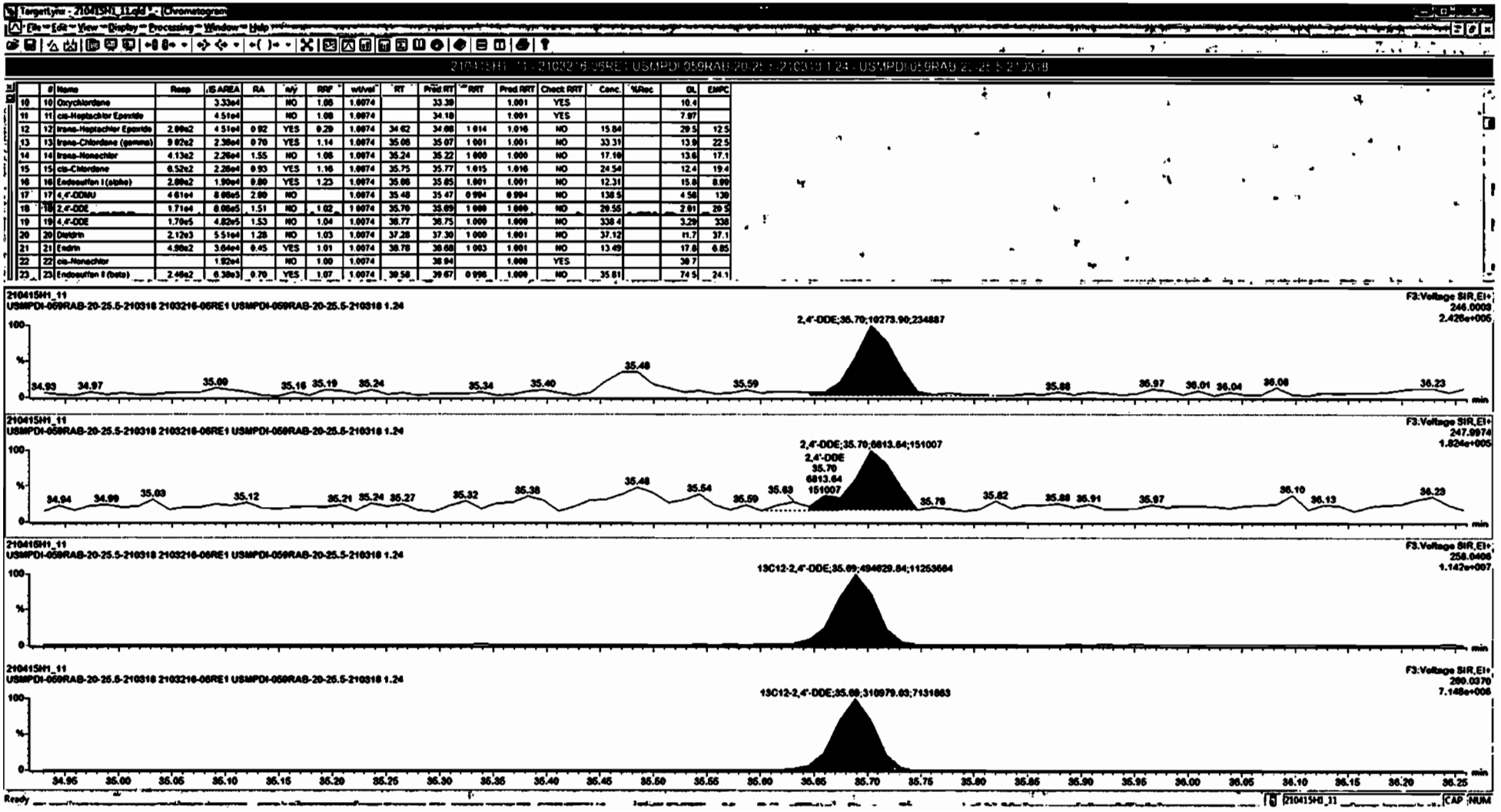
Name: 210415H1_11, Date: 15-Apr-2021, Time: 17:42:26, ID: 2103216-06RE1 USMPDI-059RAB-20-25.5-210318 1.24, Description: USMPDI-059RAB-20-25.5-210318

DDMU-DDE



DDE-isotopes





	#	Name	Resp	IS AREA	RA	a/y	RRF	w/val	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
10	10	Oxychlordane		3.33e4		NO	1.08	1.0074		33.39		1.001	YES			10.4	
11	11	cis-Heptachlor Epoxide		4.51e4		NO	1.08	1.0074		34.18		1.001	YES			7.97	
12	12	trans-Heptachlor Epoxide	2.09e2	4.51e4	0.92	YES	0.29	1.0074	34.62	34.68	1.014	1.016	NO	15.84		29.5	12.5
13	13	trans-Chlordane (gamma)	9.92e2	2.39e4	0.70	YES	1.14	1.0074	35.08	35.07	1.001	1.001	NO	33.31		13.9	22.5
14	14	trans-Nonachlor	4.13e2	2.26e4	1.55	NO	1.06	1.0074	35.24	35.22	1.000	1.000	NO	17.19		13.6	17.1
15	15	cis-Chlordane	6.52e2	2.26e4	0.93	YES	1.16	1.0074	35.75	35.77	1.015	1.016	NO	24.54		12.4	19.4
16	16	Endosulfan I (alpha)	2.09e2	1.90e4	0.80	YES	1.23	1.0074	35.86	35.85	1.001	1.001	NO	12.31		15.8	8.99
17	17	4,4'-DDMU	4.61e4	8.66e5	2.80	NO		1.0074	35.48	35.47	0.994	0.994	NO	138.5		4.58	130
18	18	2,4'-DDE	1.71e4	8.66e5	1.51	NO	1.02	1.0074	35.70	35.69	1.000	1.000	NO	29.55		2.81	29.5
19	19	4,4'-DDE	1.70e5	4.82e5	1.53	NO	1.04	1.0074	36.77	36.75	1.000	1.000	NO	338.4		3.29	338
20	20	Dieldrin	2.12e3	5.51e4	1.28	NO	1.03	1.0074	37.28	37.30	1.000	1.001	NO	37.12		11.7	37.1
21	21	Endrin	4.98e2	3.64e4	0.45	YES	1.01	1.0074	38.78	38.68	1.003	1.001	NO	13.49		17.8	6.85
22	22	cis-Nonachlor		1.92e4		NO	1.00	1.0074		38.94		1.000	YES			39.7	
23	23	Endosulfan II (beta)	2.46e2	6.38e3	0.70	YES	1.07	1.0074	39.58	39.67	0.998	1.000	NO	35.81		74.5	24.1

Dataset: Untitled

Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
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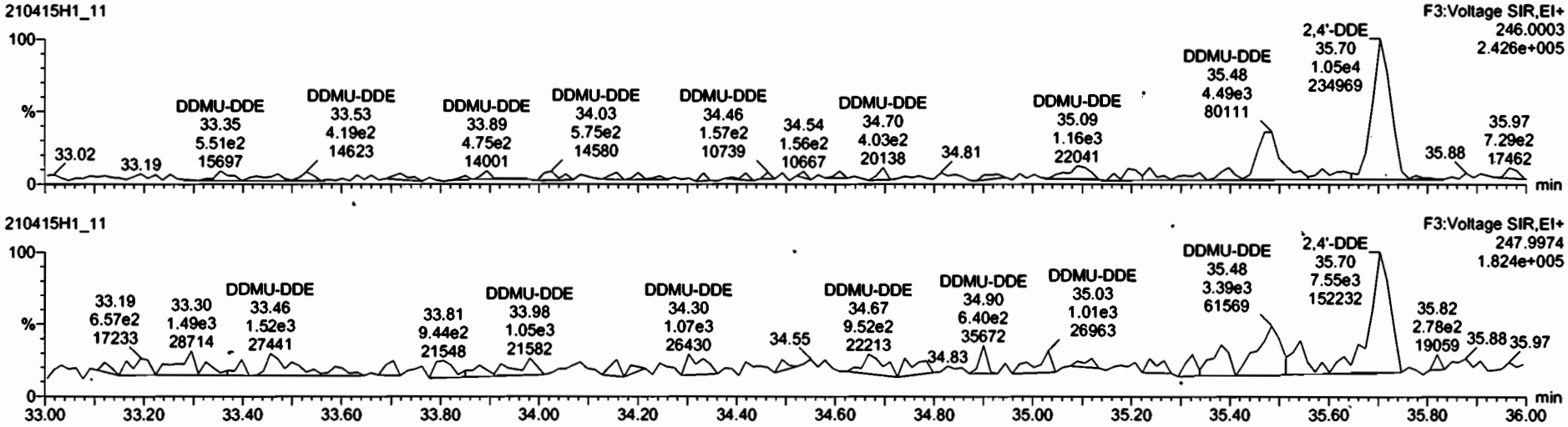
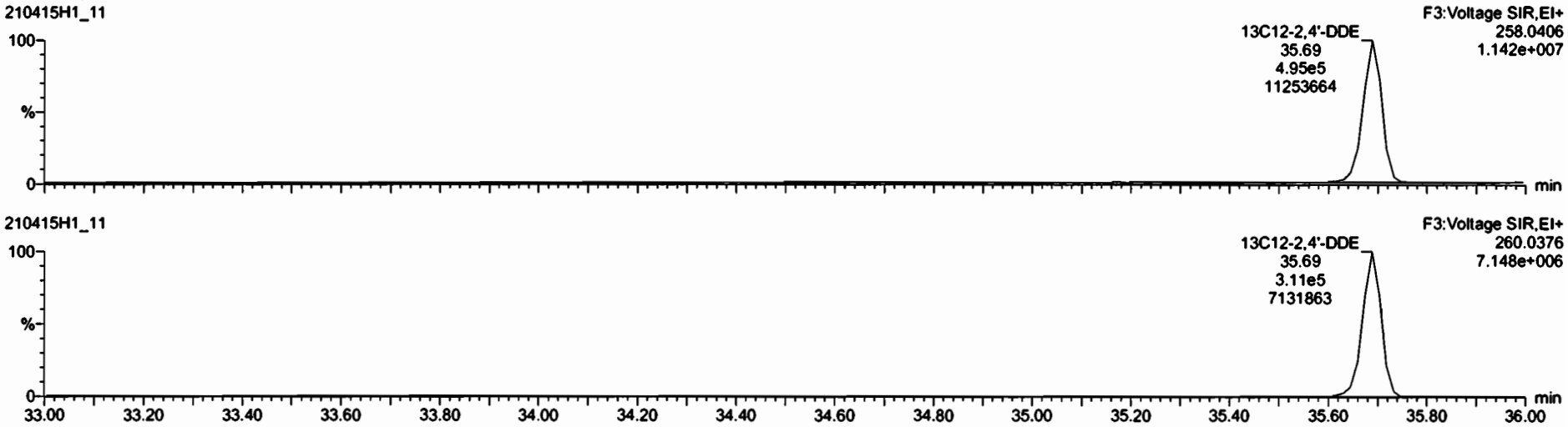
Name: 210415H1_11, Date: 15-Apr-2021, Time: 17:42:26, ID: 2103216-06RE1 USMPDI-059RAB-20-25.5-210318 1.24, Description: USMPDI-059RAB-20-25.5-210318

2,4'-DDE



13C12-2,4'-DDE



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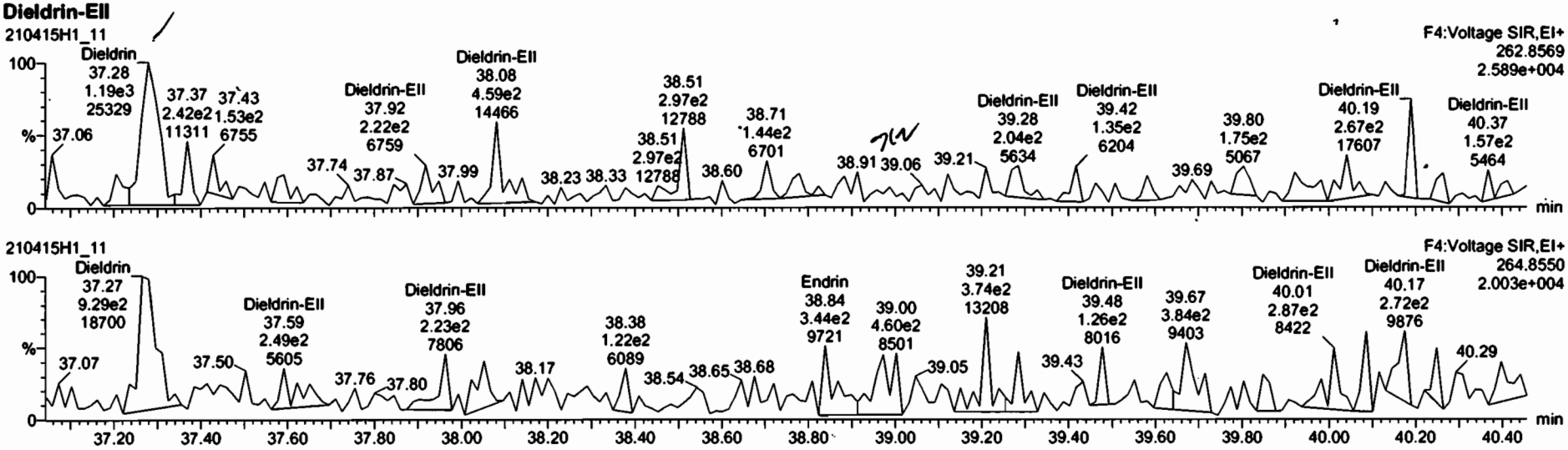
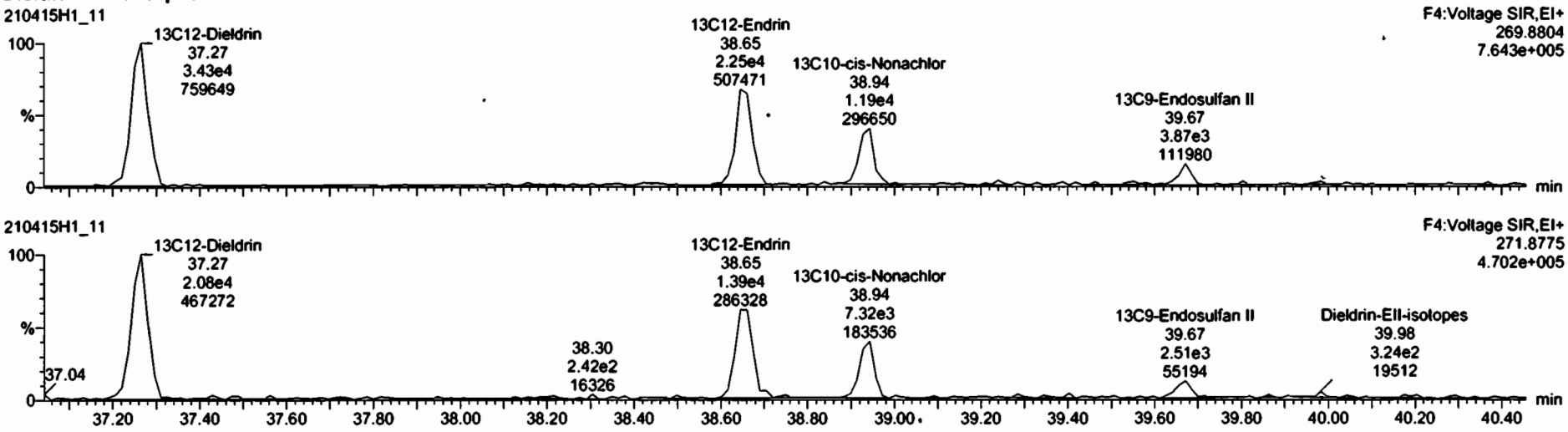
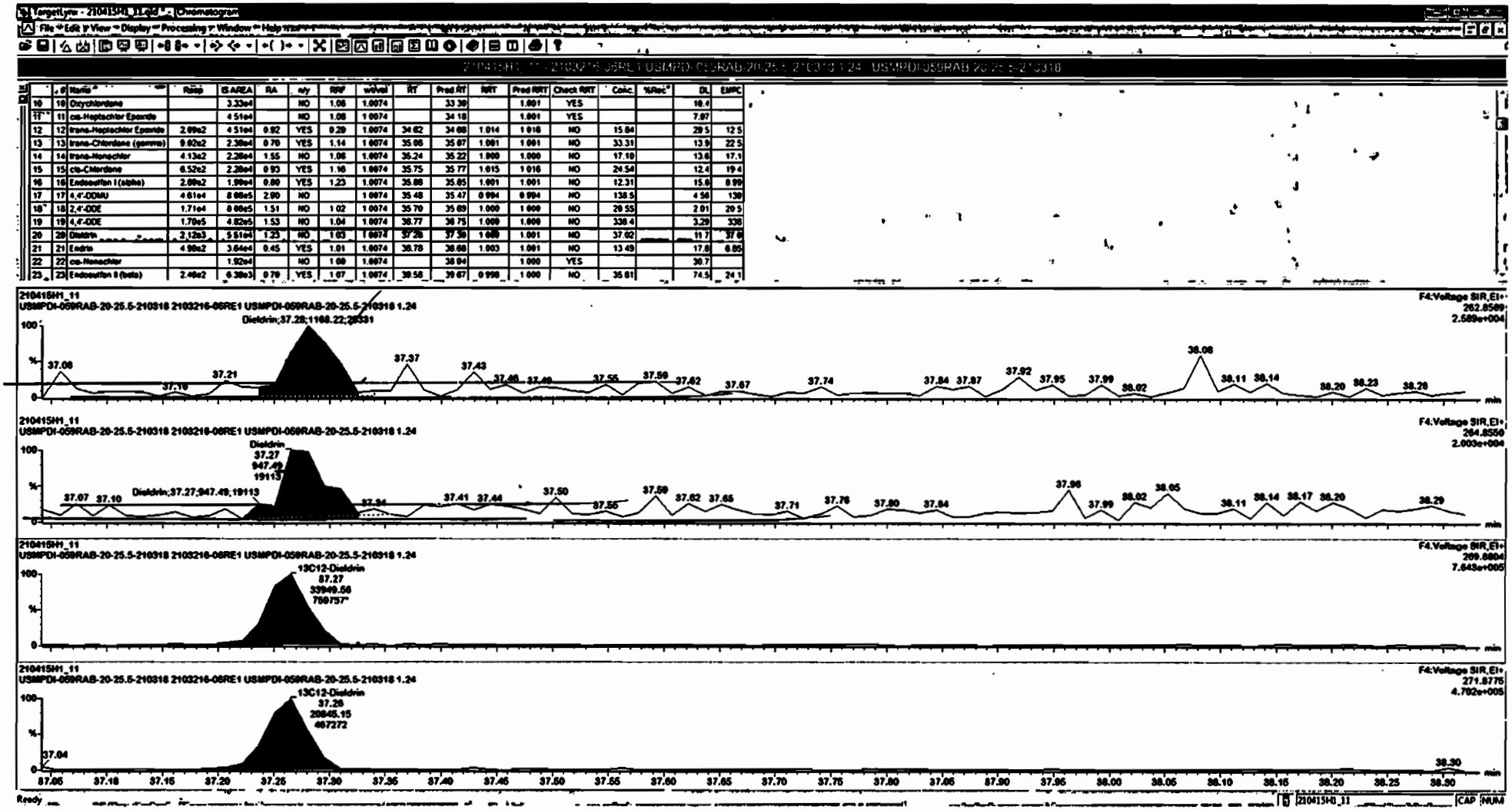
Name: 210415H1_11, Date: 15-Apr-2021, Time: 17:42:26, ID: 2103216-06RE1 USMPDI-059RAB-20-25.5-210318 1.24, Description: USMPDI-059RAB-20-25.5-210318

Dieldrin-EII



Dieldrin-EII-isotopes





		Name	Resp	IS AREA	RA	n/y	RRF	wtVal	RT	Pred RT	RRT	Pred RRT	Check RRT	Calc.	%Rec	DL	EMPC
10	10	Oxychlordane		3.33e4		NO	1.06	1.0074		33.39		1.001	YES			10.4	
11	11	cis-Heptachlor Epoxide		4.51e4		NO	1.06	1.0074		34.18		1.001	YES			7.97	
12	12	trans-Heptachlor Epoxide	2.09e2	4.51e4	0.82	YES	0.29	1.0074	34.62	34.68	1.014	1.016	NO	15.84		29.5	12.5
13	13	trans-Chlordane (gamma)	9.62e2	2.39e4	0.70	YES	1.14	1.0074	35.06	35.07	1.001	1.001	NO	33.31		13.9	22.5
14	14	trans-Nonachlor	4.13e2	2.28e4	1.55	NO	1.06	1.0074	35.24	35.22	1.000	1.000	NO	17.10		13.6	17.1
15	15	cis-Chlordane	6.52e2	2.28e4	0.93	YES	1.16	1.0074	35.75	35.77	1.015	1.016	NO	24.54		12.4	19.4
16	16	Endosulfan I (alpha)	2.09e2	1.99e4	0.89	YES	1.23	1.0074	35.88	35.85	1.001	1.001	NO	12.31		15.8	8.99
17	17	4,4'-DDMU	4.61e4	8.66e5	2.00	NO		1.0074	35.48	35.47	0.994	0.994	NO	138.5		4.56	139
18	18	2,4'-DDE	1.71e4	8.66e5	1.51	NO	1.02	1.0074	35.70	35.69	1.000	1.000	NO	29.55		2.01	29.5
19	19	4,4'-DDE	1.70e5	4.82e5	1.53	NO	1.04	1.0074	36.77	36.75	1.000	1.000	NO	338.4		3.29	338
20	20	Dieldrin	2.12e3	5.51e4	1.25	NO	1.03	1.0074	37.28	37.30	1.008	1.001	NO	37.02		11.7	37.0
21	21	Endrin	4.98e2	3.64e4	0.45	YES	1.01	1.0074	38.78	38.68	1.003	1.001	NO	13.49		17.8	6.85
22	22	cis-Nonachlor		1.92e4		NO	1.00	1.0074		38.94		1.000	YES			30.7	
23	23	Endosulfan II (beta)	2.46e2	6.39e3	0.70	YES	1.07	1.0074	39.58	39.67	0.998	1.000	NO	35.61		74.5	24.1

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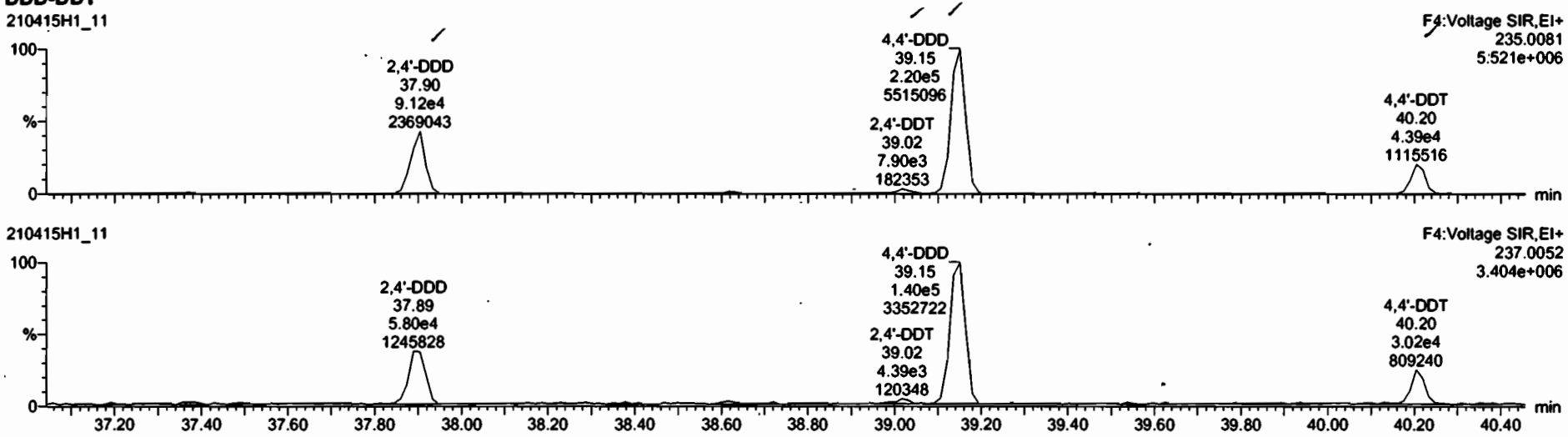
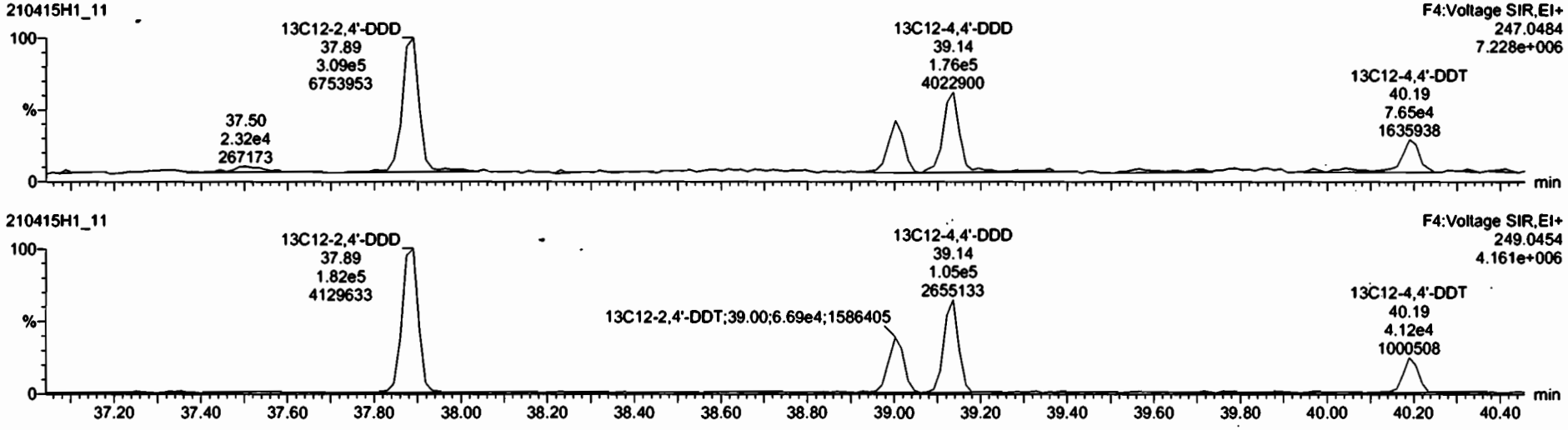
Name: 210415H1_11, Date: 15-Apr-2021, Time: 17:42:26, ID: 2103216-06RE1 USMPDI-059RAB-20-25.5-210318 1.24, Description: USMPDI-059RAB-20-25.5-210318

DDD-DDT



DDD-DDT-isotopes



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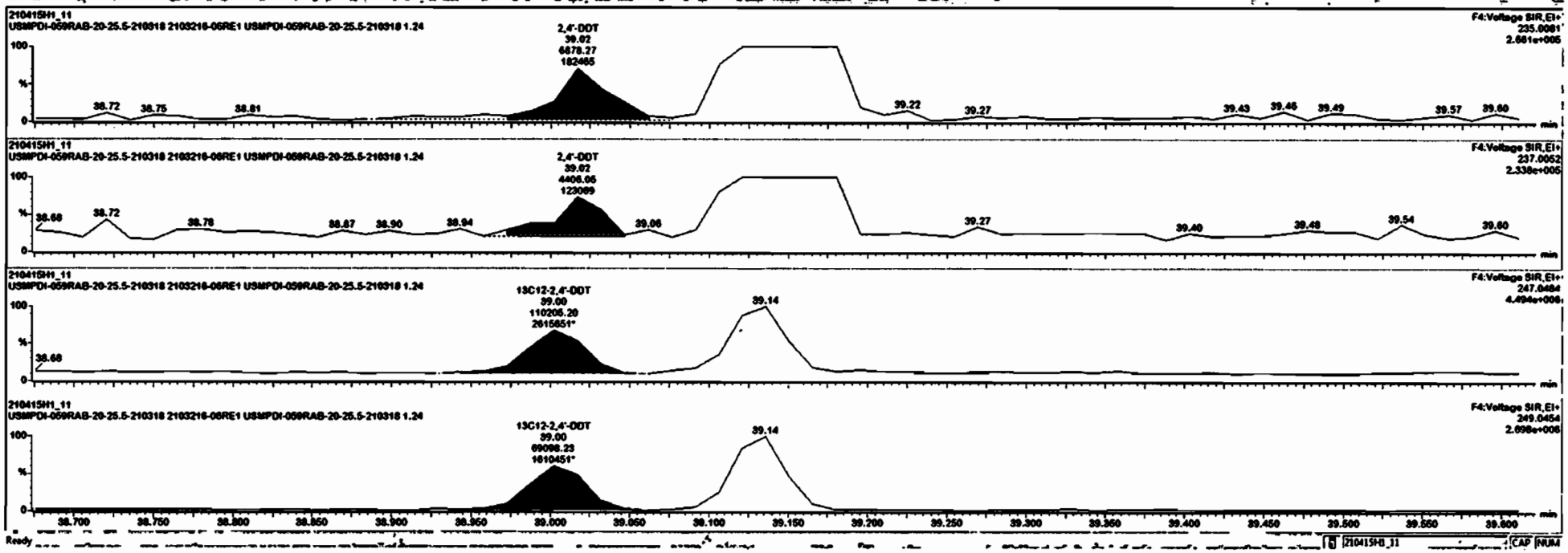
File Edit View Display Processing Window Help

210415H1_11 - 2103216-06RE1 USMPDI-059RAB-20-25.5-210318 1.24 USMPDI-059RAB-20-25.5-210318

	#	Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
20	20	Dieldrin	2.12e3	5.48e4	1.23	NO	1.03	1.0074	37.28	37.30	1.000	1.001	NO	37.23		11.7	37.2
21	21	Endrin	4.98e2	3.64e4	0.45	YES	1.01	1.0074	38.78	38.68	1.003	1.001	NO	13.49		17.8	6.85
22	22	cis-Nonachlor		1.92e4		NO	1.00	1.0074		38.94		1.000	YES			30.7	
23	23	Endosulfan II (beta)	2.46e2	6.38e3	0.70	YES	1.07	1.0074	39.58	39.67	0.998	1.000	NO	35.81		74.5	24.1
24	24	2,4'-DDD	1.49e5	4.91e5	1.57	NO	1.07	1.0074	37.90	37.89	1.000	1.000	NO	282.9		6.01	283
25	25	2,4'-DDT	1.13e4	1.74e5	1.56	NO	1.05	1.0074	39.02	39.00	1.000	1.000	NO	61.34		15.7	61.3
26	26	4,4'-DDD	3.60e5	2.80e5	1.57	NO	1.16	1.0074	39.15	39.14	1.000	1.000	NO	1097		9.23	1100
27	27	4,4'-DDT	7.41e4	1.18e5	1.45	NO	1.13	1.0074	40.21	40.23	1.000	1.001	NO	551.7		24.1	552
28	28	Endosulfan Sulfate		6.13e3		NO	1.04	1.0074		41.38		1.000	YES			117	
29	29	4,4'-Methoxychlor	6.86e3	8.49e5	1.54	NO	1.22	1.0074	43.24	43.24	1.000	1.000	NO	65.76		107	65.8
30	30	Mirex		3.71e4		NO	1.03	1.0074		43.89		1.001	YES			15.6	
31	31	Endrin Aldehyde		3.14e4		NO	1.03	1.0074		40.78		1.000	YES			133	
32	32	Endrin Ketone		5.28e4		NO	0.93	1.0074		43.98		1.000	YES			78.4	
33	33	13C4-Hexachlorobutadi...	1.46e6	1.91e6	1.29	NO	0.16	1.0074	9.98	9.98	0.383	0.383	NO	4711	47.5	0.619	



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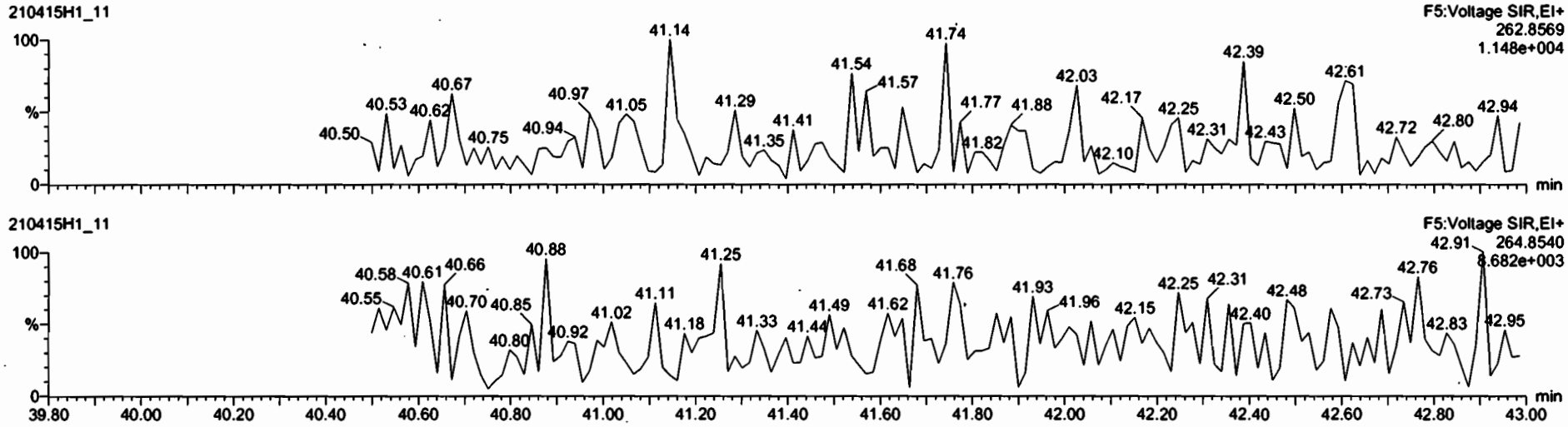
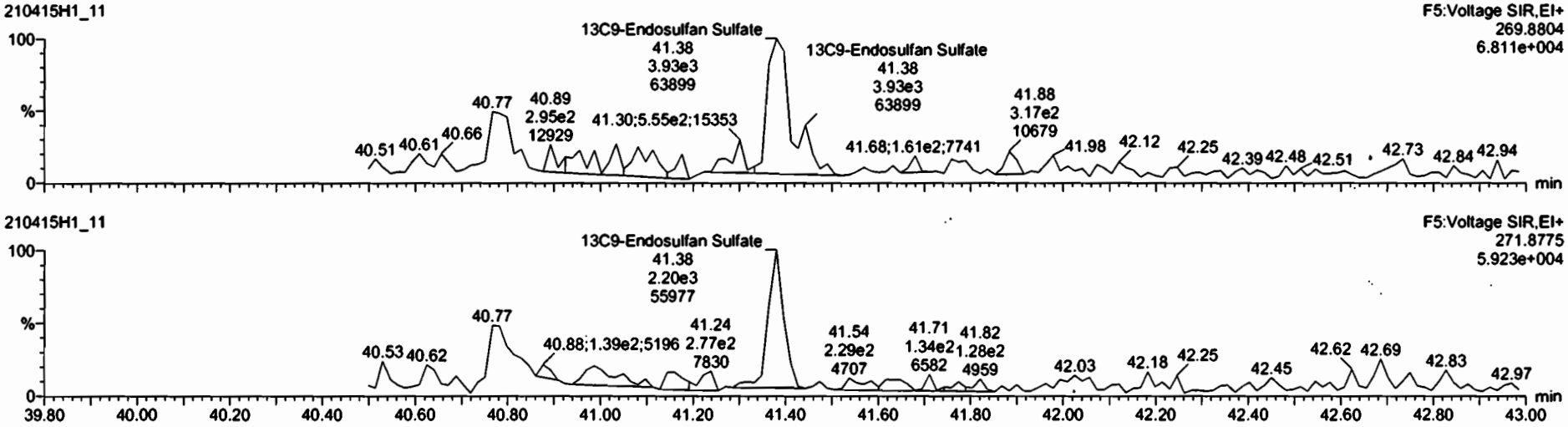
Name: 210415H1_11, Date: 15-Apr-2021, Time: 17:42:26, ID: 2103216-06RE1 USMPDI-059RAB-20-25.5-210318 1.24, Description: USMPDI-059RAB-20-25.5-210318

Endosulfan Sulfate



13C9-Endosulfan Sulfate



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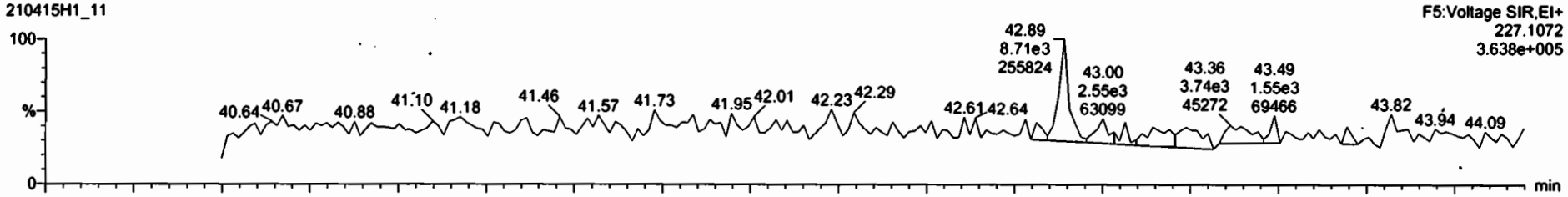
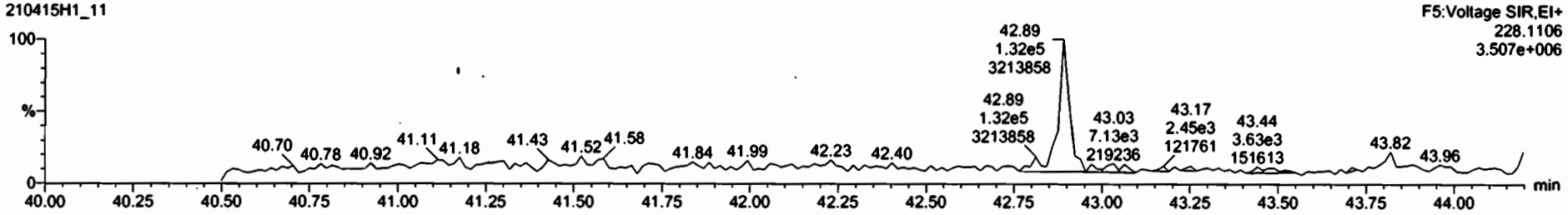
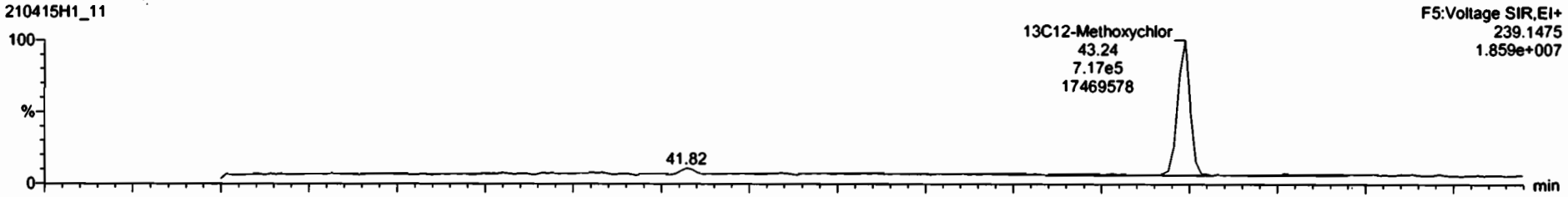
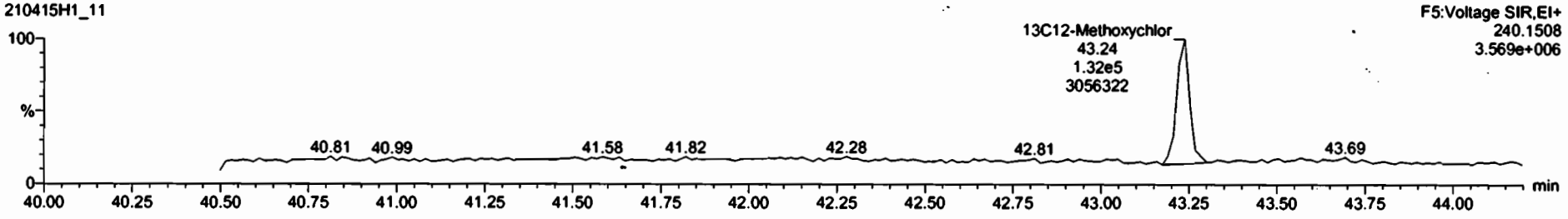
4,4'-Methoxychlor





13C12-Methoxychlor





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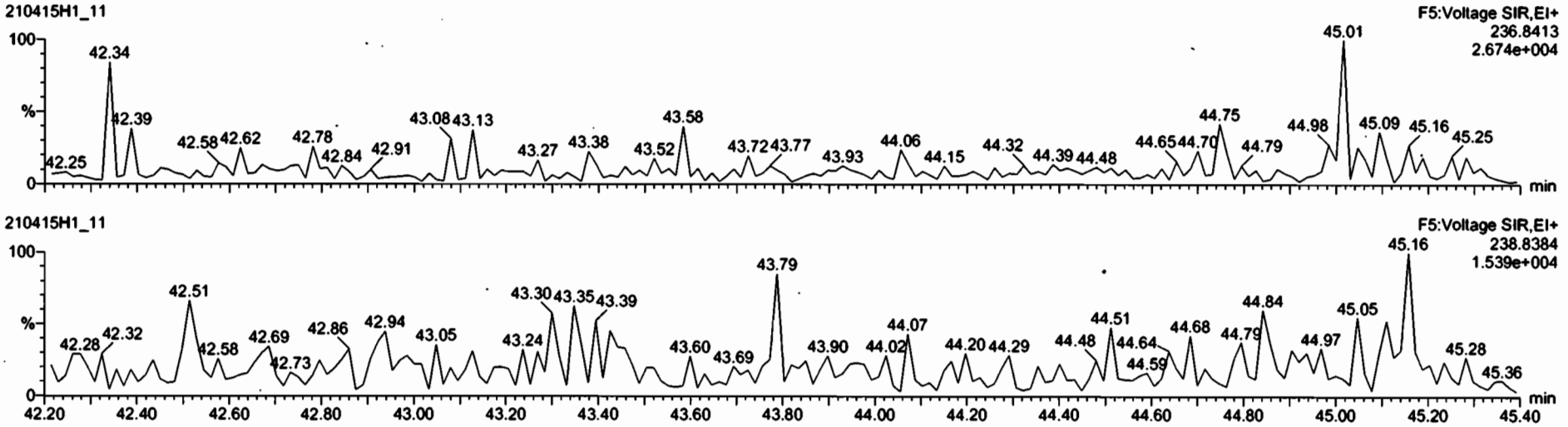
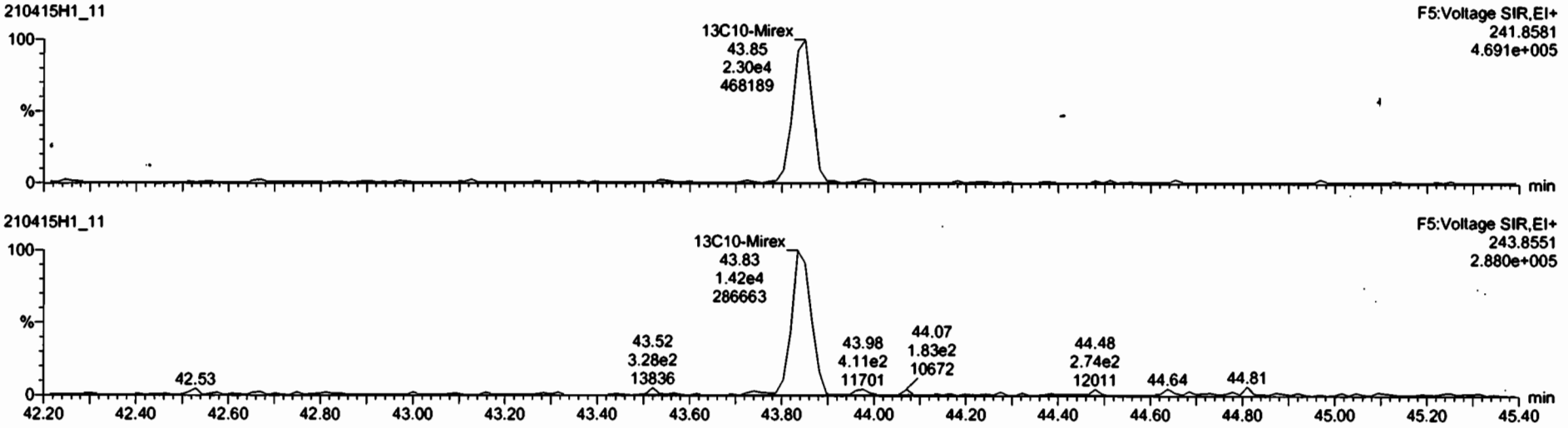
Mirex



13C10-Mirex



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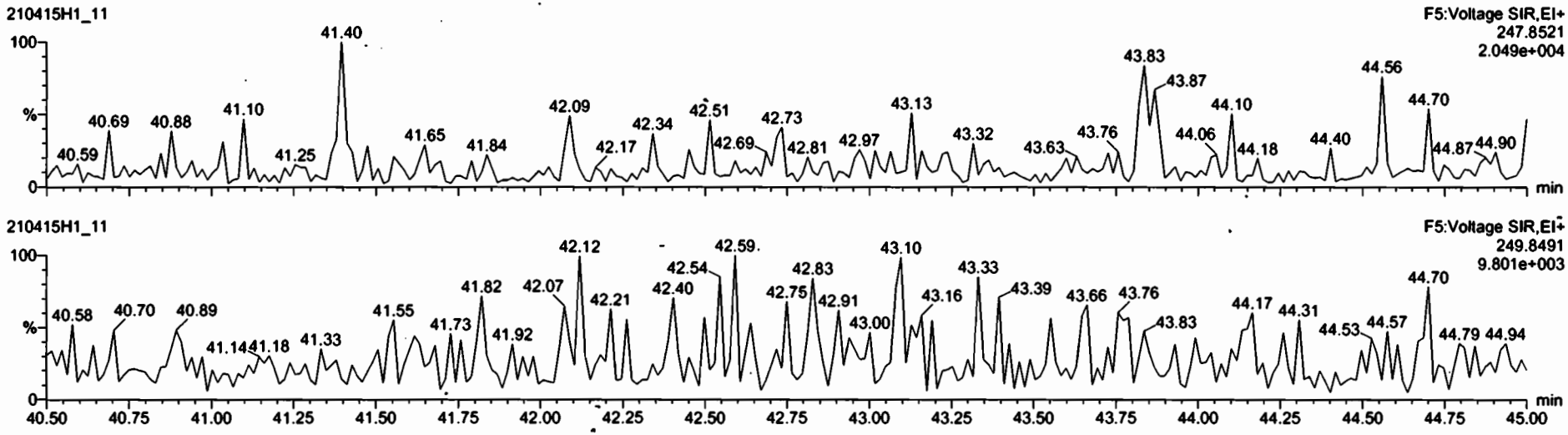
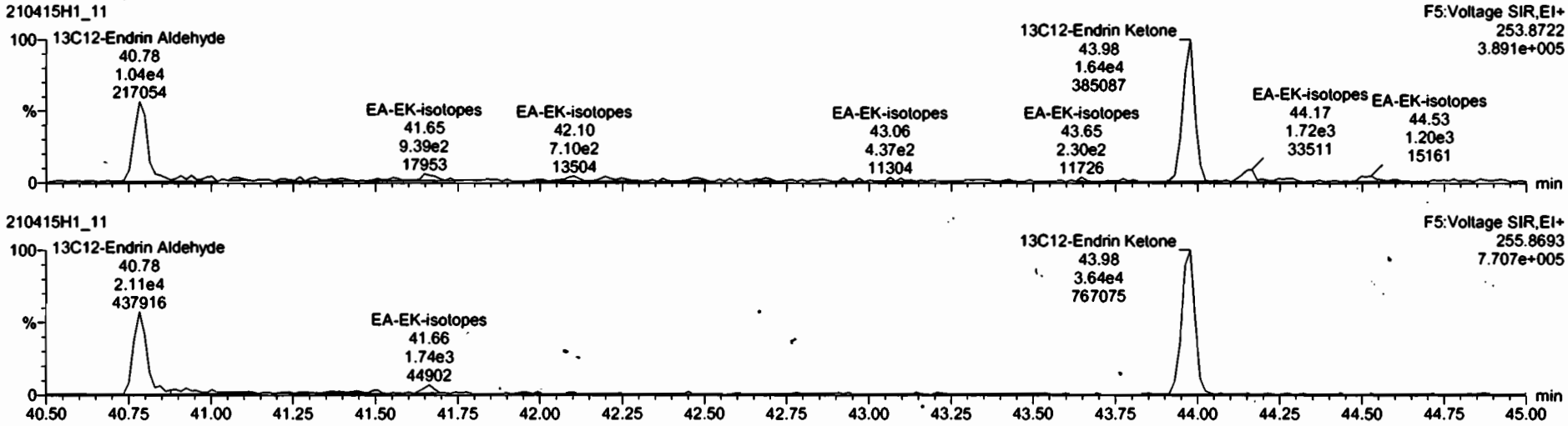
Name: 210415H1_11, Date: 15-Apr-2021, Time: 17:42:26, ID: 2103216-06RE1 USMPDI-059RAB-20-25.5-210318 1.24, Description: USMPDI-059RAB-20-25.5-210318

EA-EK



EA-EK-isotopes



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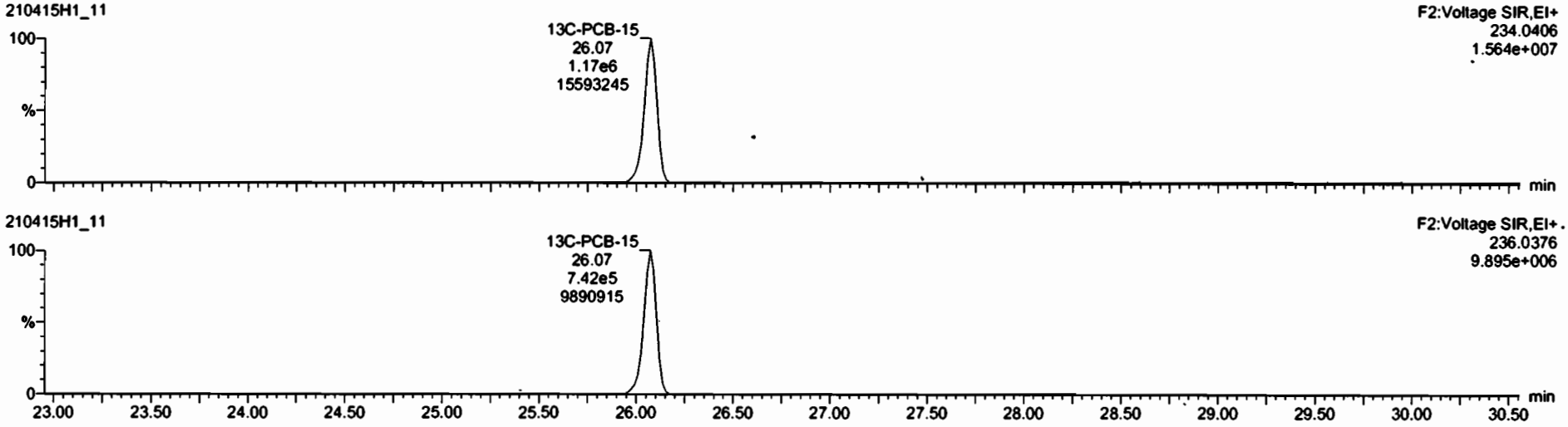
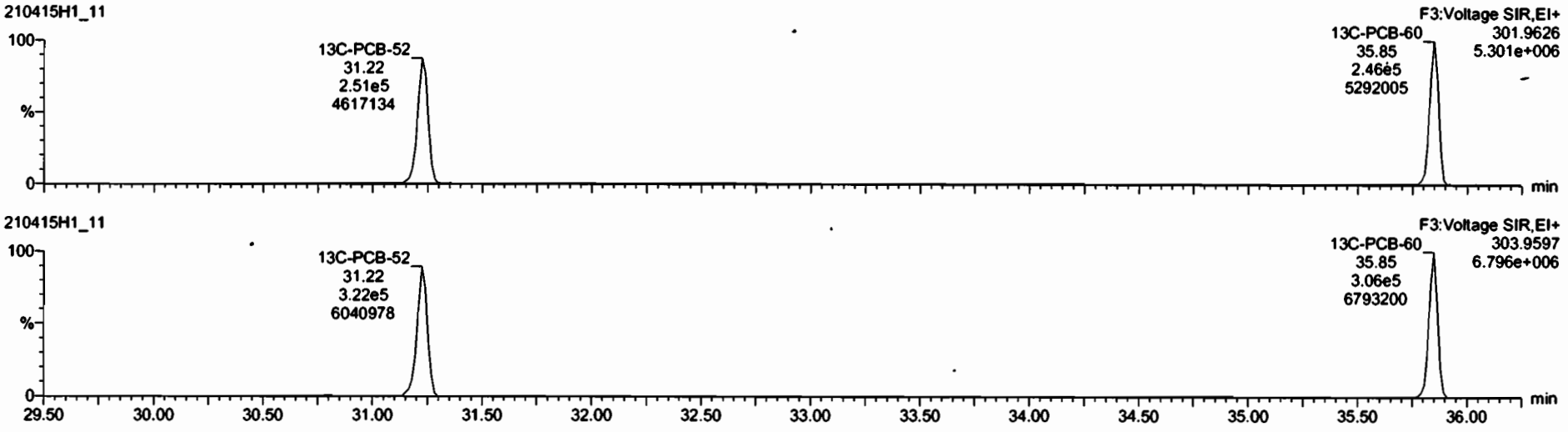
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_11, Date: 15-Apr-2021, Time: 17:42:26, ID: 2103216-06RE1 USMPDI-059RAB-20-25.5-210318 1.24, Description: USMPDI-059RAB-20-25.5-210318

13C-PCB-15



13C-PCB-60



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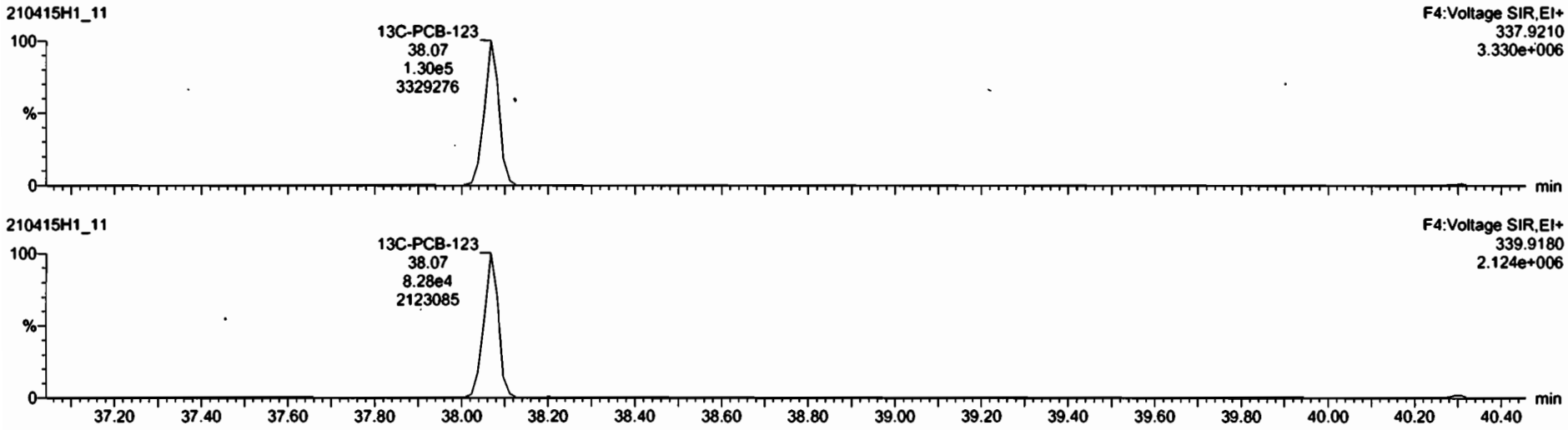
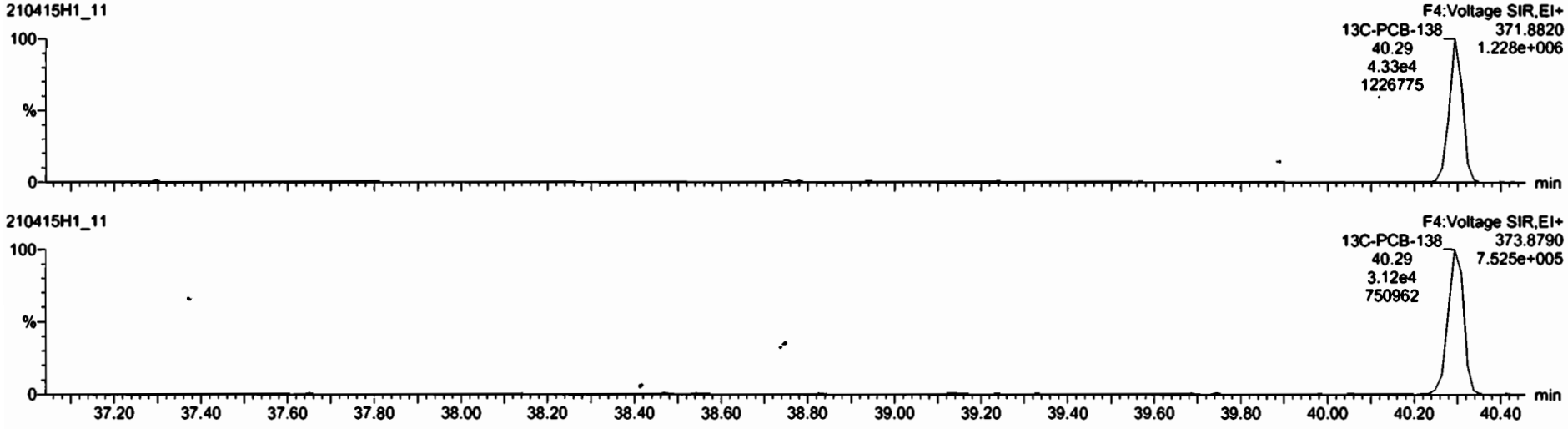
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_11, Date: 15-Apr-2021, Time: 17:42:26, ID: 2103216-06RE1 USMPDI-059RAB-20-25.5-210318 1.24, Description: USMPDI-059RAB-20-25.5-210318

13C-PCB-123



13C-PCB-138



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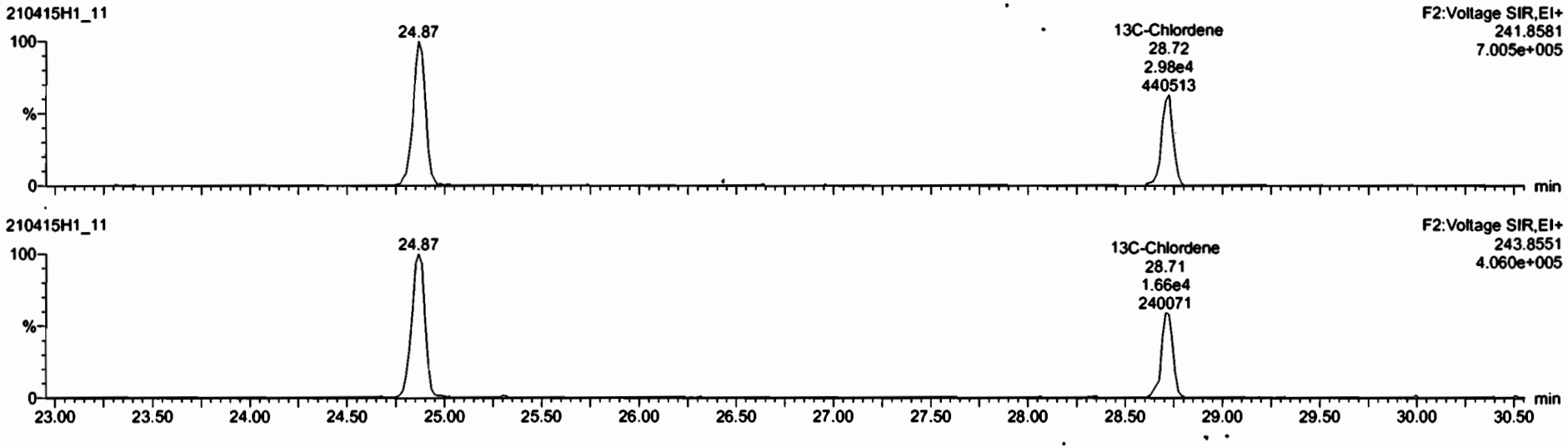
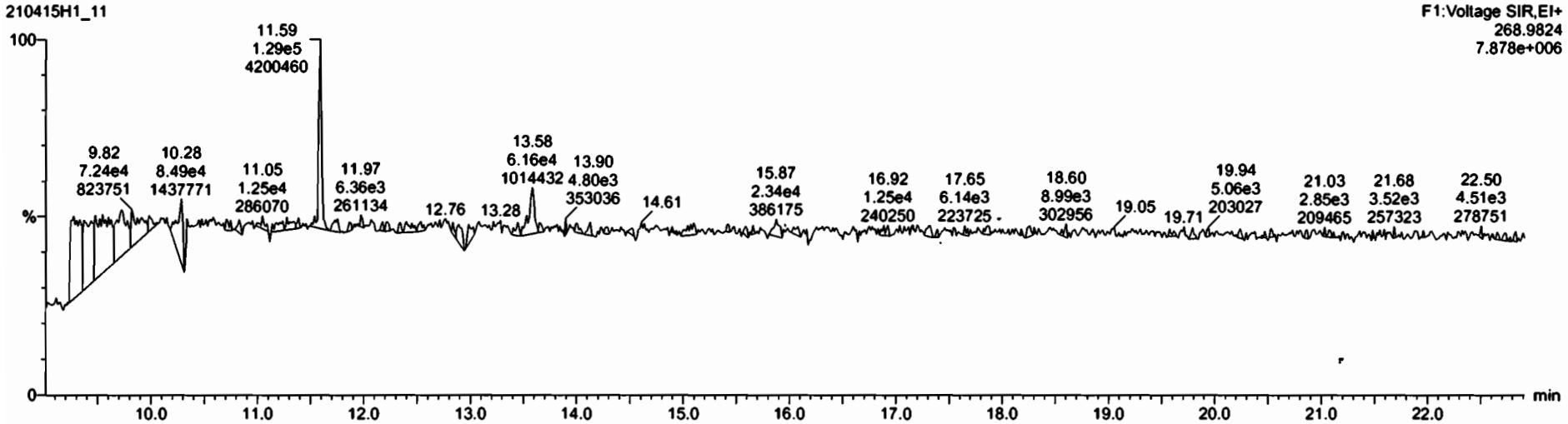
13C-Chlordene



PFK1



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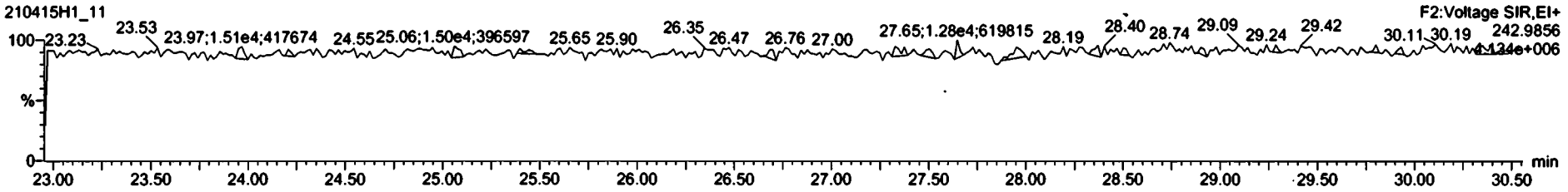
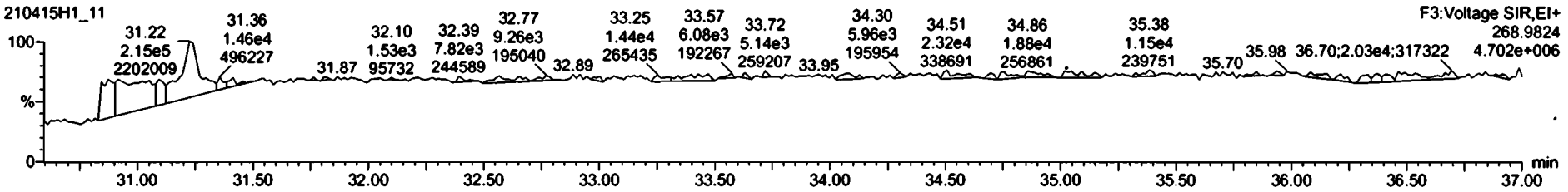
Name: 210415H1_11, Date: 15-Apr-2021, Time: 17:42:26, ID: 2103216-06RE1 USMPDI-059RAB-20-25.5-210318 1.24, Description: USMPDI-059RAB-20-25.5-210318

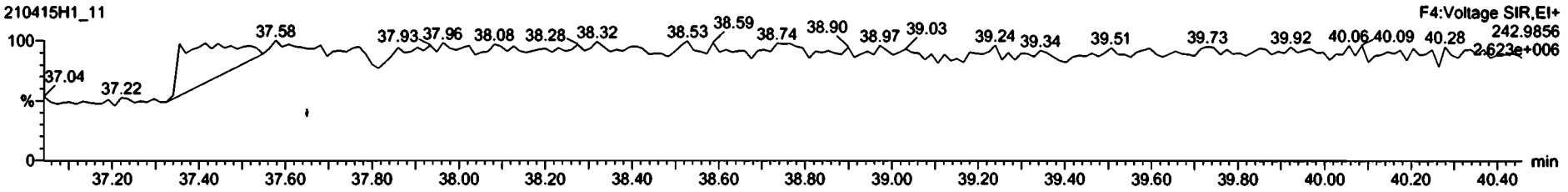
PFK2



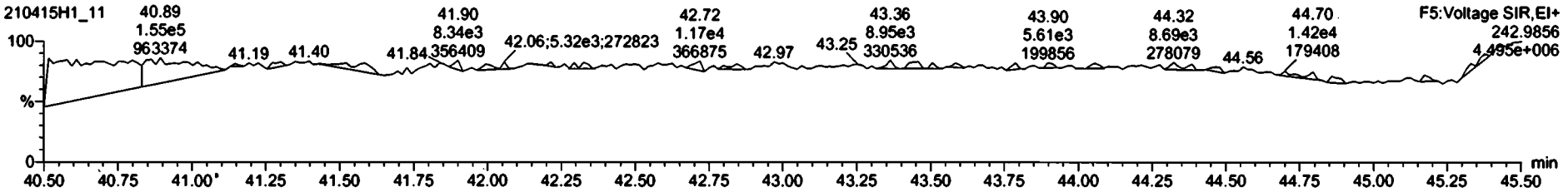
PFK3



PFK4



PFK5



Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_15.qld

Last Altered: Friday, April 16, 2021 16:57:55 Pacific Daylight Time
Printed: Friday, April 16, 2021 17:03:50 Pacific Daylight Time

OC 04/28/21
04/16/21
DF 04/17/21 CT 05/03/2021

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_15, Date: 14-Apr-2021, Time: 21:07:02, ID: 2103216-07RE1 USMPDI-060RAB-00-10-210317 1.2, Description: USMPDI-060RAB-00-10-210317, Task: ST210414H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	4	Lindane (gamma-...		1.70e5		NO	0.860	1.052 ✓			1.000	YES			3.76	
2	9	Aldrin		1.20e5		NO	1.09	1.052			1.001	YES			1.03	
3	10	Oxychlordane	4.57e2	3.73e4	2.61	YES	1.06	1.052	33.37 ✓	1.000	1.001	NO	10.878		2.98	7.78
4	13	trans-Chlordane (g...	9.82e2	2.78e4	1.56	NO	1.14	1.052	35.08 ✓	1.001	1.001	NO	29.512		3.36	29.5
5	14	trans-Nonachlor	1.58e3	2.86e4	1.22	NO	1.06	1.052	35.24 ✓	1.000	1.000	NO	49.459		3.45	49.5
6	15	cis-Chlordane	9.10e2	2.86e4	1.68	NO	1.16	1.052	35.73 ✓	1.014	1.016	NO	25.945		3.14	25.9
7	18	2,4'-DDE	6.35e3	7.83e5	1.22	NO	1.02	1.052	35.70 ✓	1.000	1.000	NO	7.5220		1.54	7.52
8	19	4,4'-DDE	4.69e5	4.88e5	1.47	NO	1.04	1.052	36.77 ✓	1.000	1.000	NO	880.25		2.37	880
9	20	Dieldrin	1.54e3	5.18e4	1.58	NO	1.03	1.052	37.29 ✓	1.001	1.001	NO	27.366		4.39	27.4
10	22	cis-Nonachlor	6.35e2	2.34e4	0.91	YES	1.00	1.052	38.96 ✓	1.000	1.000	NO	25.747		1.08	20.1

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_15.qld

Last Altered: Friday, April 16, 2021 16:57:55 Pacific Daylight Time
Printed: Friday, April 16, 2021 17:04:09 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_15, Date: 14-Apr-2021, Time: 21:07:02, ID: 2103216-07RE1 USMPDI-060RAB-00-10-210317 1.2, Description: USMPDI-060RAB-00-10-210317, Task: ST210414H1_1

	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	24 2,4'-DDD	5.24e4	5.93e5	1.55	NO	1.07	1.052	37.90	1.000	1.000	NO	78.733		3.93	78.7
2	25 2,4'-DDT	3.55e4	2.58e5	1.40	NO	1.05	1.052	39.03	1.001	1.000	NO	124.91		10.0	125
3	26 4,4'-DDD	1.40e5	4.06e5	1.64	NO	1.16	1.052	39.15	1.000	1.000	NO	281.81		5.32	282
4	27 4,4'-DDT	4.93e5	1.79e5	1.62	NO	1.13	1.052	40.22	1.001	1.001	NO	2317.5		13.9	2320
5	36 13C6-Lindane (ga...	1.70e5	1.23e6	0.80	NO	0.194	1.052	26.57	1.019	1.019	NO	681.08	71.7	2.85	
6	40 13C12-Aldrin	1.20e5	1.23e6	1.60	NO	0.154	1.052	30.80	1.181	1.181	NO	604.48	63.6	1.73	
7	41 13C10-Oxychlorda...	3.73e4	1.23e6	1.62	NO	0.0404	1.052	33.35	1.279	1.280	NO	713.53	75.1	6.59	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_15.qld

Last Altered: Friday, April 16, 2021 16:57:55 Pacific Daylight Time
Printed: Friday, April 16, 2021 17:04:20 Pacific Daylight Time

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Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_15, Date: 14-Apr-2021, Time: 21:07:02, ID: 2103216-07RE1 USMPDI-060RAB-00-10-210317 1.2, Description: USMPDI-060RAB-00-10-210317, Task: ST210414H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	43	13C10-trans-Chlor...	2.78e4	1.23e6	1.53	NO	0.0358	1.052	35.05	1.344	1.344	NO	601.73	63.3	7.43	
2	44	13C10-trans-Nona...	2.86e4	5.18e5	1.63	NO	0.0638	1.052	35.22	0.983	0.983	NO	823.71	86.7	5.80	
3	46	13C12-2,4'-DDE	7.83e5	5.18e5	1.60	NO	1.43	1.052	35.69	0.996	0.995	NO	1002.6	105	1.47	
4	47	13C12-4,4'-DDE	4.88e5	5.18e5	1.59	NO	0.995	1.052	36.75	1.025	1.026	NO	900.78	94.8	2.12	
5	48	13C12-Dieldrin	5.18e4	5.18e5	1.86	NO	0.146	1.052	37.26	1.039	1.040	NO	650.69	68.5	3.49	
6	50	13C10-cis-Nonach...	2.34e4	5.18e5	1.61	NO	0.0791	1.052	38.94	1.086	1.087	NO	543.86	57.2	6.46	
7	52	13C12-2,4'-DDD	5.93e5	5.18e5	1.56	NO	1.35	1.052	37.89	1.057	1.057	NO	804.45	84.6	3.06	
8	53	13C12-2,4'-DDT	2.58e5	5.18e5	1.64	NO	0.962	1.052	39.00	1.088	1.089	NO	492.05	51.8	4.30	
9	54	13C12-4,4'-DDD	4.06e5	5.18e5	1.63	NO	1.12	1.052	39.14	1.092	1.092	NO	663.16	69.8	3.68	
10	55	13C12-4,4'-DDT	1.79e5	5.18e5	1.64	NO	0.735	1.052	40.19	1.121	1.122	NO	446.39	47.0	5.63	
11	62	13C-PCB-15	1.23e6	1.23e6	1.57	NO	1.00	1.052	26.07	1.000	1.000	NO	950.38	100	0.603	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_15.qld

Last Altered: Friday, April 16, 2021 16:57:55 Pacific Daylight Time
Printed: Friday, April 16, 2021 17:04:28 Pacific Daylight Time

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Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_15, Date: 14-Apr-2021, Time: 21:07:02, ID: 2103216-07RE1 USMPDI-060RAB-00-10-210317 1.2, Description: USMPDI-060RAB-00-10-210317, Task: ST210414H1_1

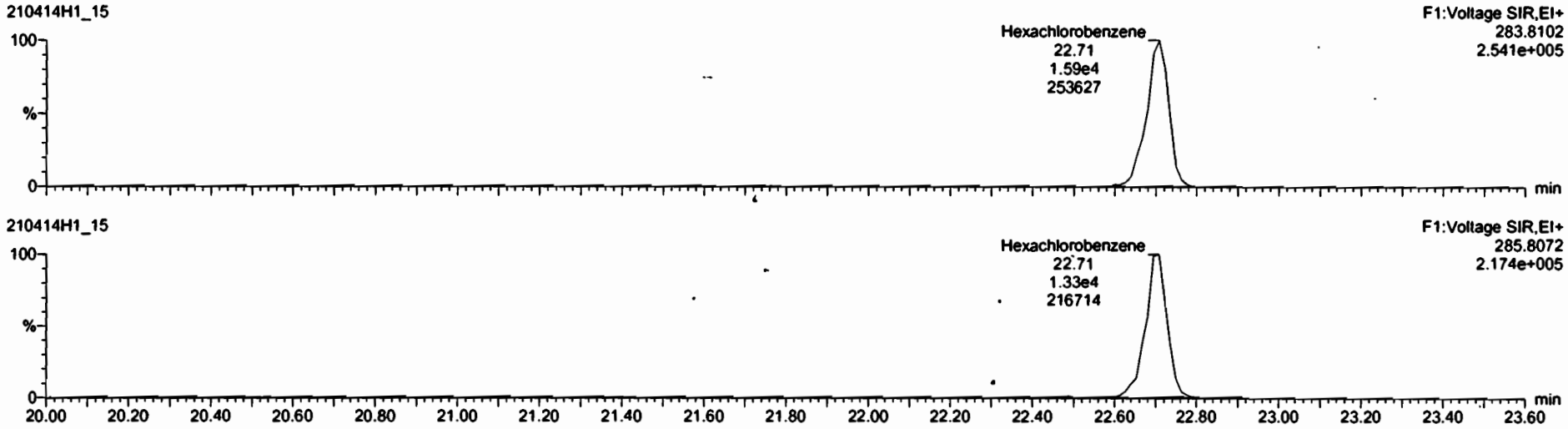
	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	63	13C-PCB-60	5.18e5	5.18e5	0.80	NO	1.00	1.052	35.85	1.000	1.000	NO	950.38	100	0.949	

Dataset: Untitled

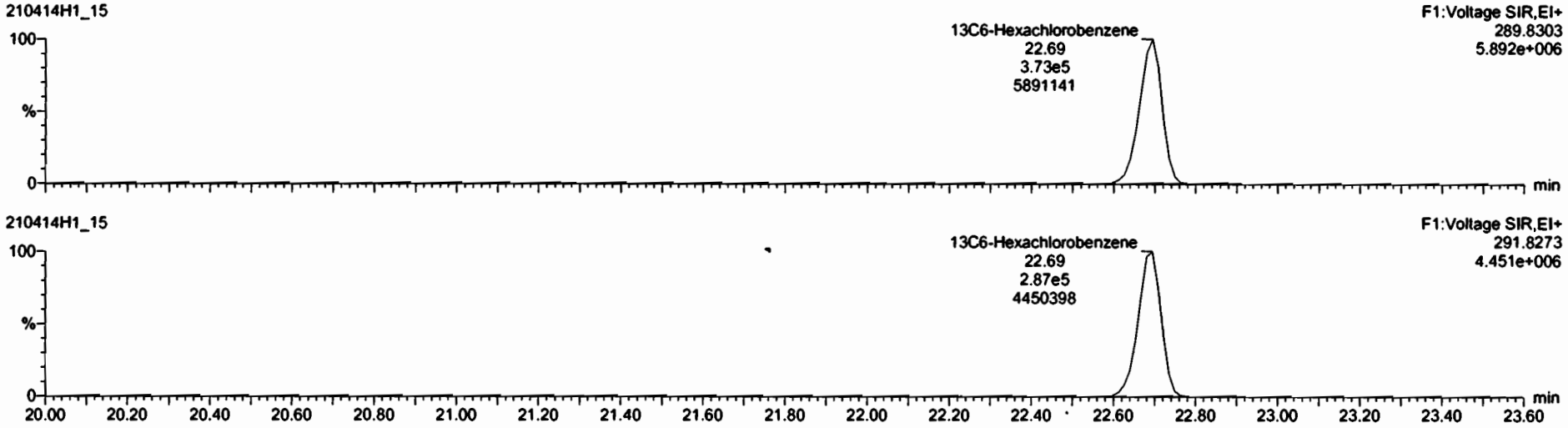
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_15, Date: 14-Apr-2021, Time: 21:07:02, ID: 2103216-07RE1 USMPDI-060RAB-00-10-210317 1.2, Description: USMPDI-060RAB-00-10-210317

Hexachlorobenzene



13C6-Hexachlorobenzene



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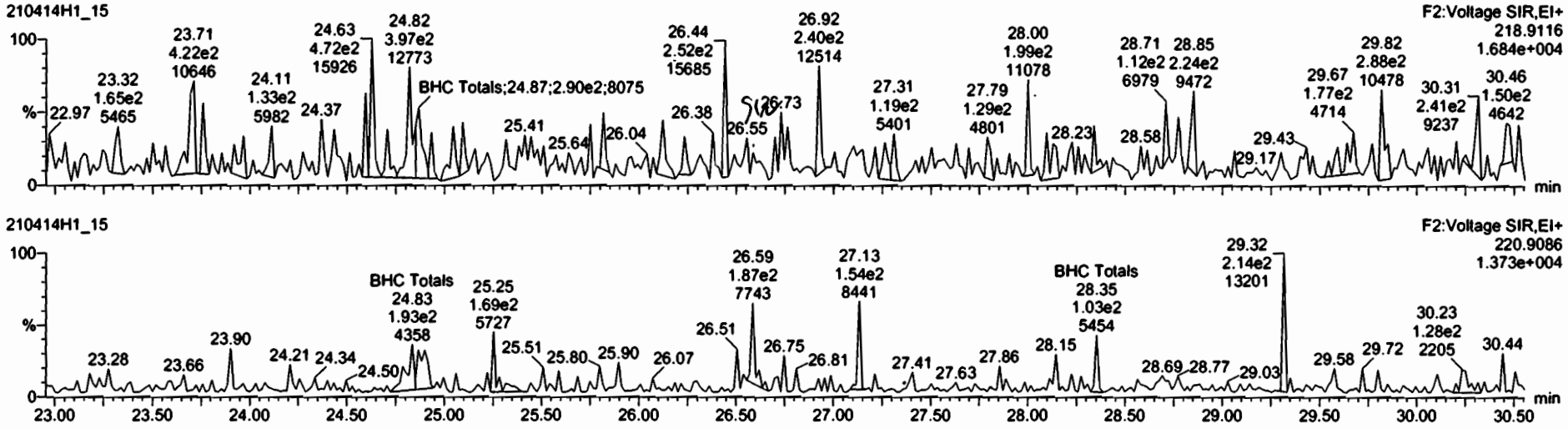
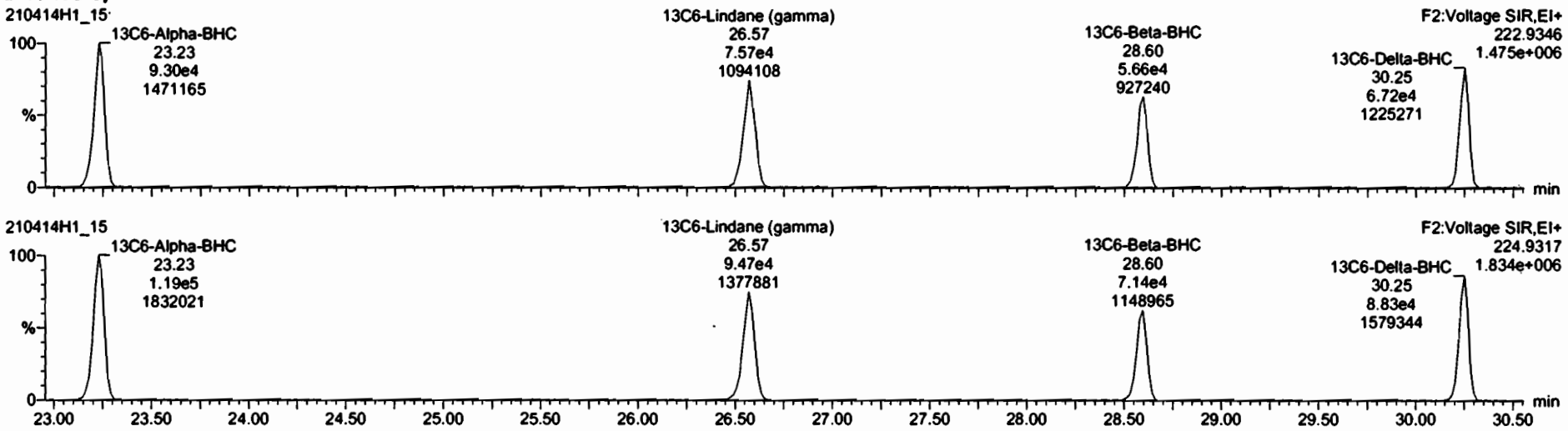
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_15, Date: 14-Apr-2021, Time: 21:07:02, ID: 2103216-07RE1 USMPDI-060RAB-00-10-210317 1.2, Description: USMPDI-060RAB-00-10-210317

BHC Totals



BHC-isotopes



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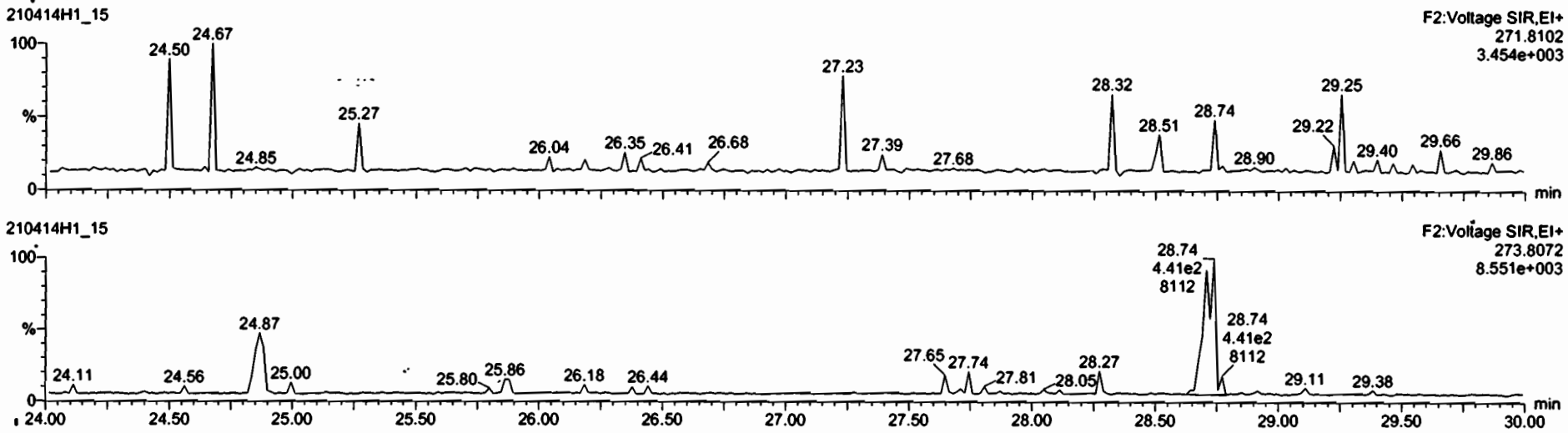
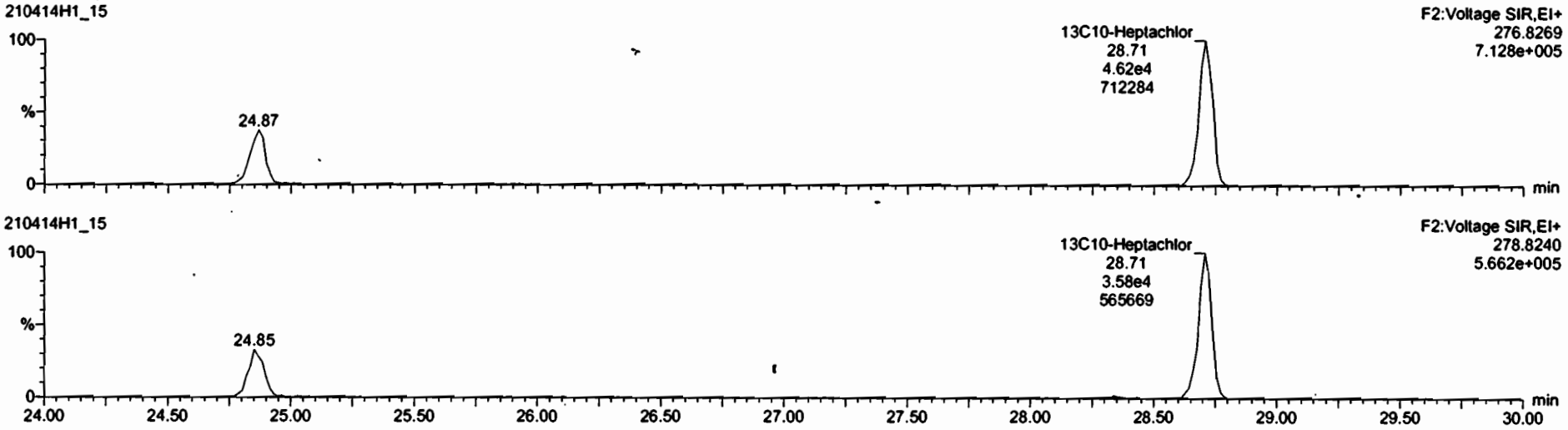
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_15, Date: 14-Apr-2021, Time: 21:07:02, ID: 2103216-07RE1 USMPDI-060RAB-00-10-210317 1.2, Description: USMPDI-060RAB-00-10-210317

Heptachlor



13C10-Heptachlor



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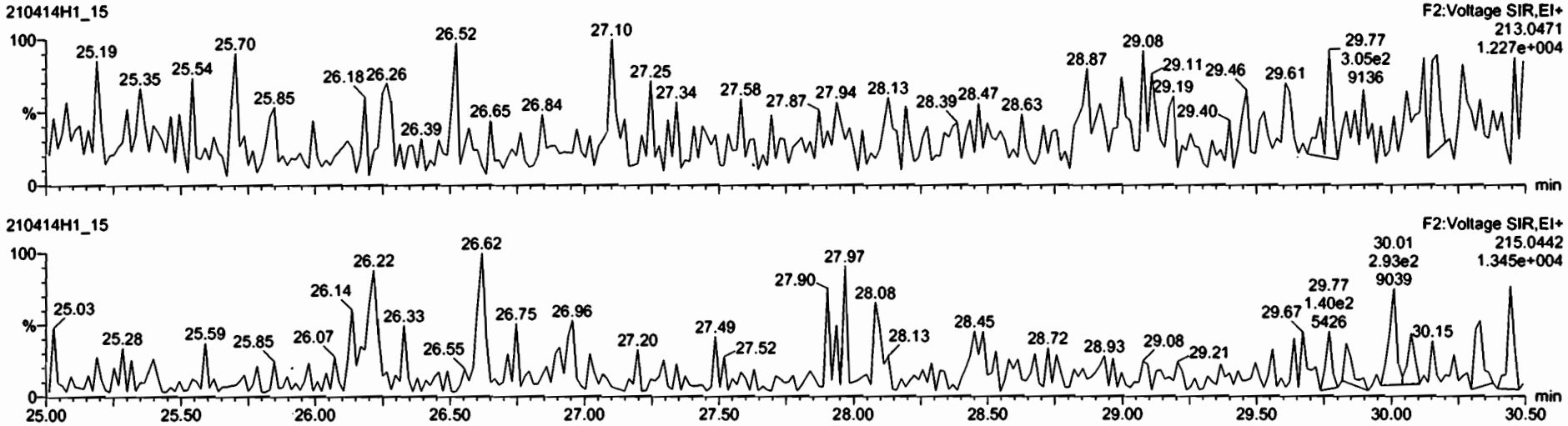
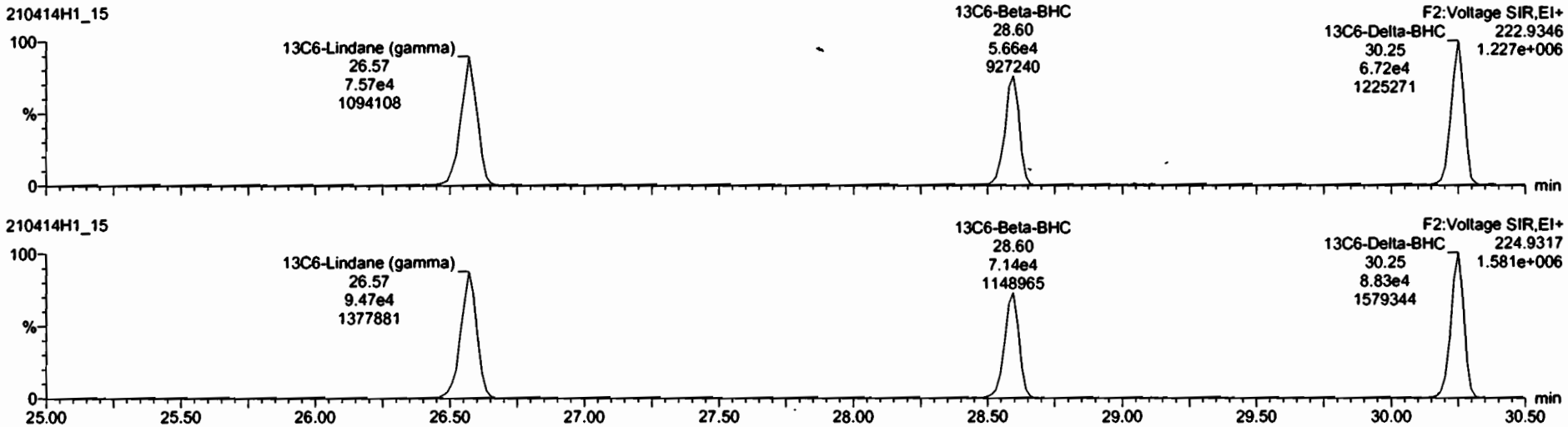
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_15, Date: 14-Apr-2021, Time: 21:07:02, ID: 2103216-07RE1 USMPDI-060RAB-00-10-210317 1.2, Description: USMPDI-060RAB-00-10-210317

4,4'-DDNU



13C6-Delta-BHC



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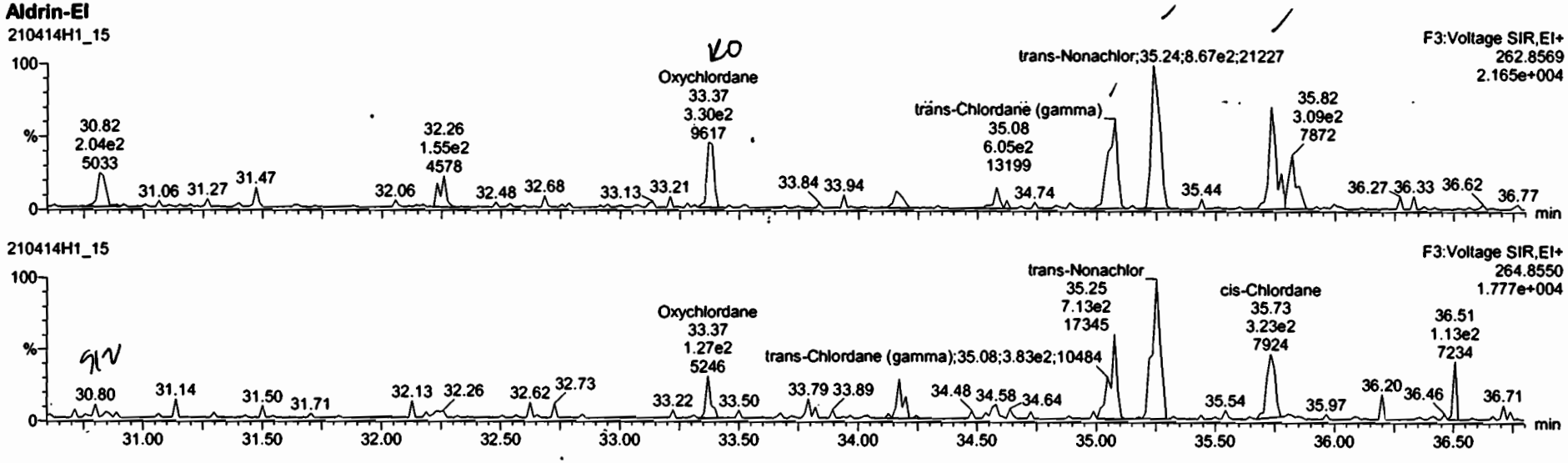
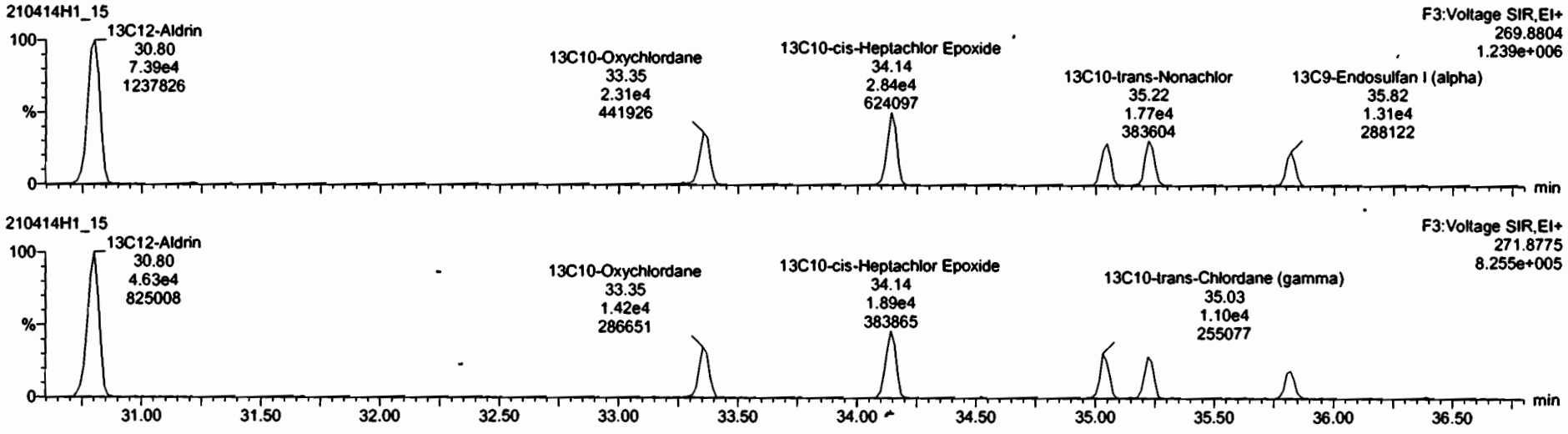
Aldrin-EI



Aldrin-EI-isotopes

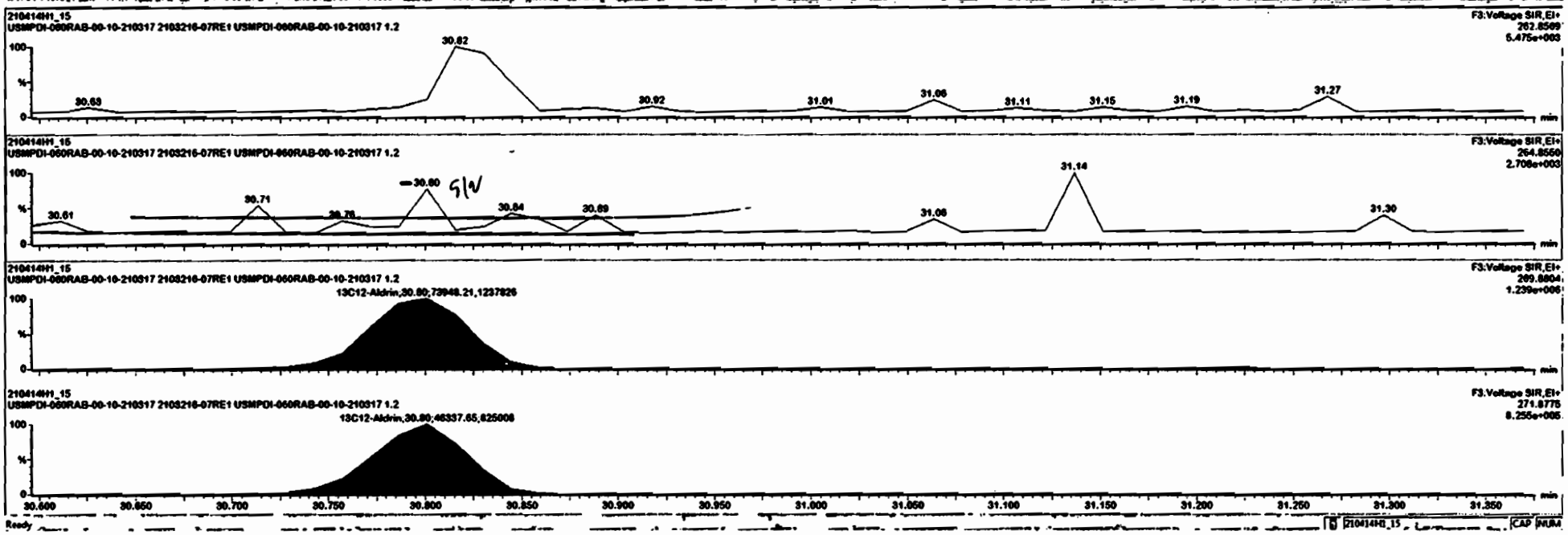


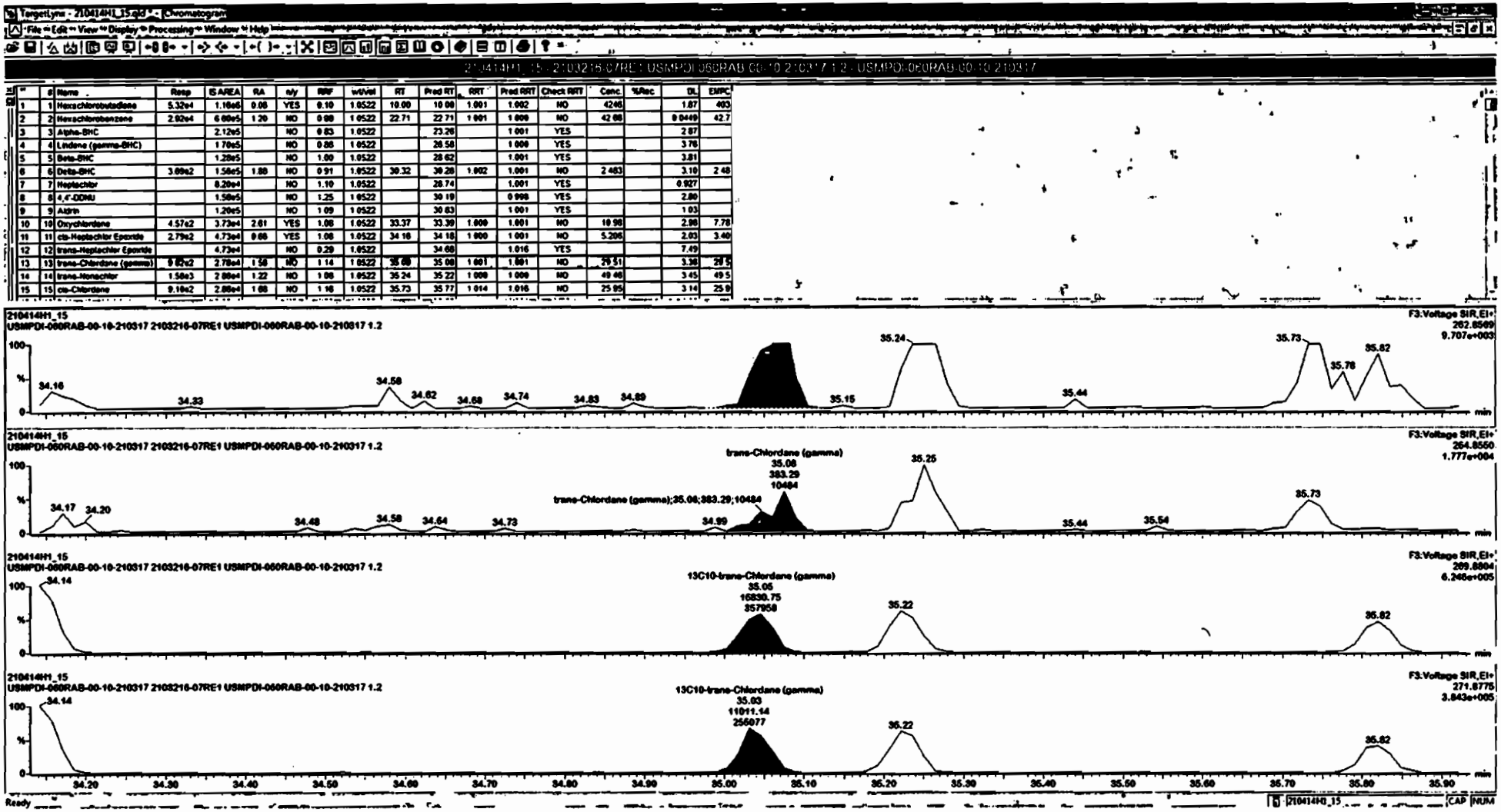
TargetLynx - 210414H1_15.qld - Chromatogram

File Edit View Display Processing Window Help

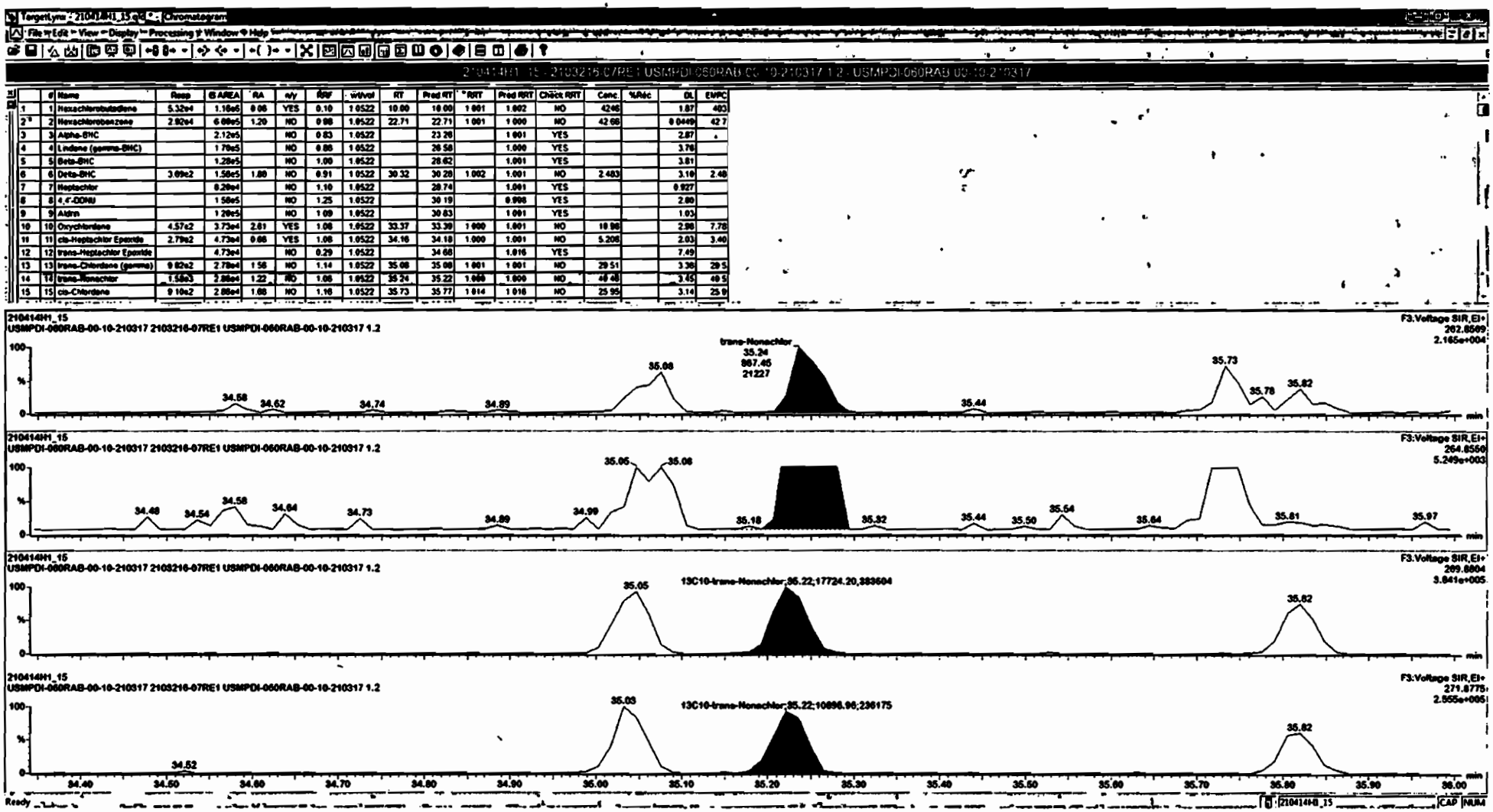
210414H1_15 2103216-07RE1 USMPDI-060RAB-00-10-210317 1.2 - USMPDI-060RAB-00-10-210317

	#	Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1	Hexachlorobutadiene	5.32e4	1.16e6	0.06	YES	0.10	1.0522	10.00	10.00	1.001	1.002	NO	4246		1.87	403
2	2	Hexachlorobenzene	2.92e4	6.60e5	1.20	NO	0.98	1.0522	22.71	22.70	1.001	1.000	NO	42.66		0.0449	42.7
3	3	Alpha-BHC		2.12e5		NO	0.83	1.0522		23.26		1.001	YES			2.87	
4	4	Lindane (gamma-BHC)		1.70e5		NO	0.86	1.0522		26.58		1.000	YES			3.76	
5	5	Beta-BHC		1.28e5		NO	1.00	1.0522		28.62		1.001	YES			3.81	
6	6	Delta-BHC		1.56e5		NO	0.91	1.0522		30.28		1.001	YES			3.10	
7	7	Heptachlor		8.29e4		NO	1.10	1.0522		28.74		1.001	YES			0.927	
8	8	4,4'-DDNU		1.56e5		NO	1.25	1.0522		30.19		0.998	YES			2.80	
9	9	Aldrin		1.20e5		NO	1.09	1.0522		30.83		1.001	YES			1.03	
10	10	Oxychlordane	4.57e2	3.73e4	2.61	YES	1.08	1.0522	33.37	33.39	1.000	1.001	NO	10.98		2.98	7.78
11	11	cis-Heptachlor Epoxide	2.79e2	4.73e4	0.66	YES	1.08	1.0522	34.16	34.18	1.000	1.001	NO	5.206		2.03	3.40
12	12	trans-Heptachlor Epoxide		4.73e4		NO	0.29	1.0522		34.69		1.016	YES			7.49	
13	13	trans-Chlordane (gamma)	9.88e2	2.78e4	1.58	NO	1.14	1.0522	35.08	35.08	1.001	1.001	NO	29.70		3.38	29.7
14	14	trans-Nonachlor	1.58e3	2.86e4	1.22	NO	1.06	1.0522	35.24	35.22	1.000	1.000	NO	49.58		3.45	49.6
15	15	cis-Chlordane	8.94e2	2.86e4	1.77	NO	1.16	1.0522	35.73	35.77	1.015	1.016	NO	25.49		3.14	25.5

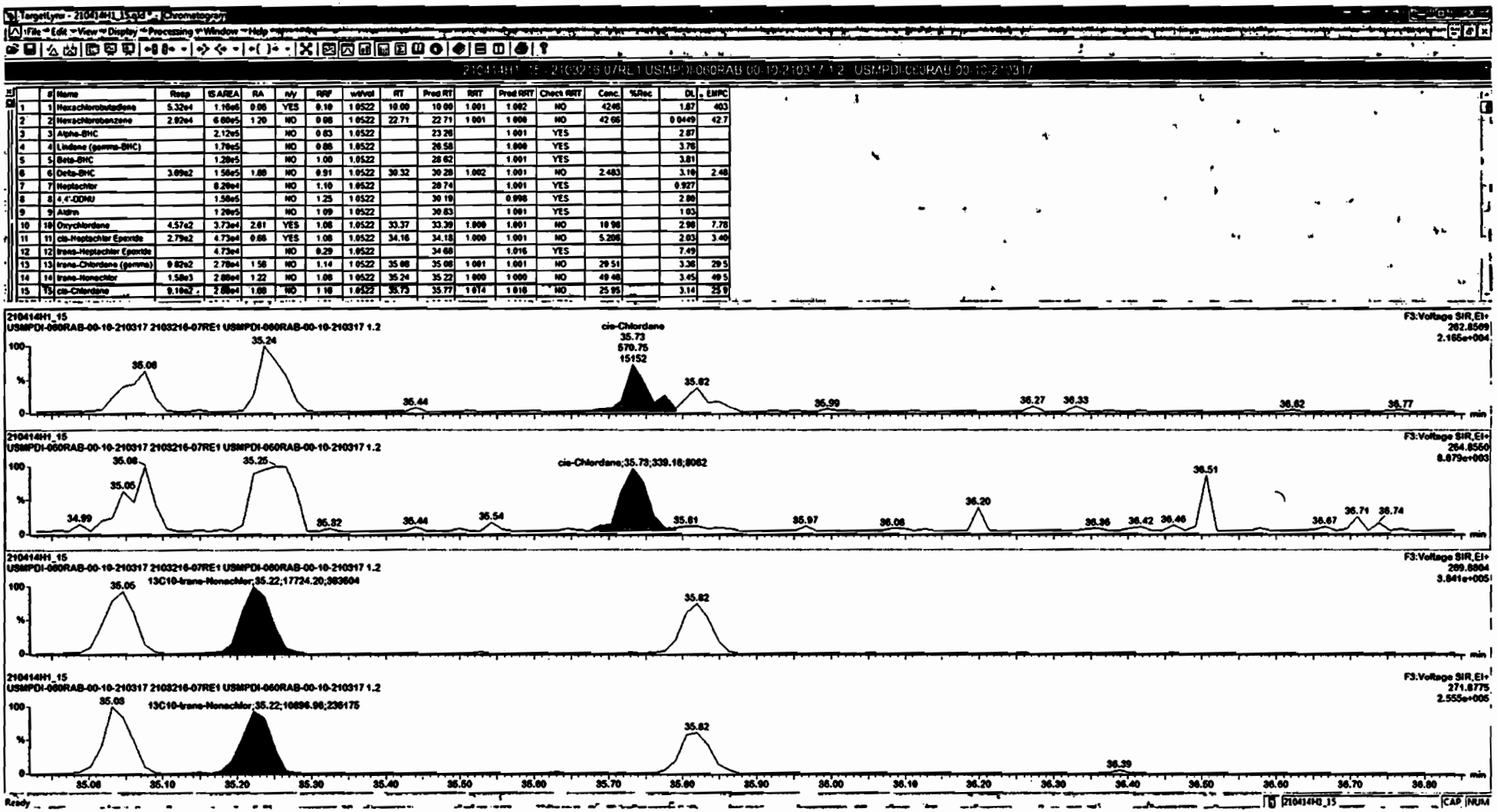




		Name	Resp	IS AREA	RA	r/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
1	1	Hexachlorobutadiene	5.32e4	1.16e6	0.06	YES	0.10	1.0522	10.00	10.00	1.001	1.002	NO	4246		1.87	403
2	2	Hexachlorobenzene	2.92e4	6.60e5	1.20	NO	0.08	1.0522	22.71	22.71	1.001	1.000	NO	42.66		0.0449	42.7
3	3	Alpha-BHC		2.12e5		NO	0.83	1.0522		23.26		1.001	YES			2.87	
4	4	Lindane (gamma-BHC)		1.70e5		NO	0.86	1.0522		28.58		1.000	YES			3.78	
5	5	Beta-BHC		1.28e5		NO	1.00	1.0522		28.62		1.001	YES			3.81	
6	6	Delta-BHC	3.69e2	1.58e5	1.88	NO	0.91	1.0522	30.32	30.28	1.002	1.001	NO	2.463		3.10	2.48
7	7	Heptachlor		8.20e4		NO	1.10	1.0522		28.74		1.001	YES			0.927	
8	8	4,4'-DDMU		1.58e5		NO	1.25	1.0522		30.19		0.998	YES			2.80	
9	9	Aldrin		1.20e5		NO	1.09	1.0522		30.63		1.001	YES			1.03	
10	10	Oxychlordane	4.57e2	3.73e4	2.61	YES	1.08	1.0522	33.37	33.39	1.000	1.001	NO	10.90		2.98	7.78
11	11	cis-Heptachlor Epoxide	2.79e2	4.73e4	0.66	YES	1.08	1.0522	34.18	34.18	1.000	1.001	NO	5.206		2.03	3.40
12	12	trans-Heptachlor Epoxide		4.73e4		NO	0.29	1.0522		34.68		1.016	YES			7.49	
13	13	trans-Chlordane (gamma)	9.82e2	2.78e4	1.58	NO	1.14	1.0522	35.08	35.08	1.001	1.001	NO	29.51		3.36	29.5
14	14	trans-Nonachlor	1.58e3	2.88e4	1.22	NO	1.08	1.0522	35.24	35.22	1.000	1.000	NO	49.46		3.45	49.5
15	15	cis-Chlordane	9.16e2	2.88e4	1.08	NO	1.16	1.0522	35.73	35.77	1.014	1.016	NO	25.95		3.14	25.9



	#	Name	Resp	S AREA	RA	+/-	RRF	wt/vol	RT	Pred RT	ΔRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1	Hexachlorobutadiene	5.32e4	1.16e6	0.06	YES	0.10	1.0522	10.00	10.00	1.001	1.002	NO	4246		1.87	403
2	2	Hexachlorobenzene	2.92e4	6.66e5	1.20	NO	0.56	1.0522	22.71	22.71	1.001	1.000	NO	42.66		0.0449	42.7
3	3	Alpha-BHC		2.12e5		NO	0.83	1.0522		23.26		1.001	YES			2.87	
4	4	Lindane (gamma-BHC)		1.76e5		NO	0.86	1.0522		26.58		1.000	YES			3.76	
5	5	Beta-BHC		1.28e5		NO	1.00	1.0522		28.62		1.001	YES			3.81	
6	6	Delta-BHC	3.69e2	1.58e5	1.88	NO	0.91	1.0522	30.32	30.28	1.002	1.001	NO	2.483		3.19	2.48
7	7	Heptachlor		6.29e4		NO	1.10	1.0522		28.74		1.001	YES			0.927	
8	8	4,4'-DDMU		1.56e5		NO	1.25	1.0522		30.19		0.998	YES			2.80	
9	9	Aldrin		1.20e5		NO	1.09	1.0522		30.83		1.001	YES			1.03	
10	10	Oxychlordane	4.57e2	3.73e4	2.81	YES	1.06	1.0522	33.37	33.39	1.000	1.001	NO	18.98		2.98	7.78
11	11	cis-Heptachlor Epoxide	2.79e2	4.73e4	0.66	YES	1.06	1.0522	34.16	34.18	1.000	1.001	NO	5.208		2.03	3.40
12	12	trans-Heptachlor Epoxide		4.73e4		NO	0.29	1.0522		34.68		1.016	YES			7.49	
13	13	trans-Chlordane (gamma)	9.82e2	2.78e4	1.56	NO	1.14	1.0522	35.08	35.08	1.001	1.001	NO	29.51		3.36	29.5
14	14	trans-Nonachlor	1.58e3	2.88e4	1.22	NO	1.06	1.0522	35.24	35.22	1.000	1.000	NO	46.48		3.45	46.5
15	15	cis-Chlordane	9.10e2	2.88e4	1.66	NO	1.16	1.0522	35.73	35.77	1.014	1.016	NO	25.95		3.14	25.9



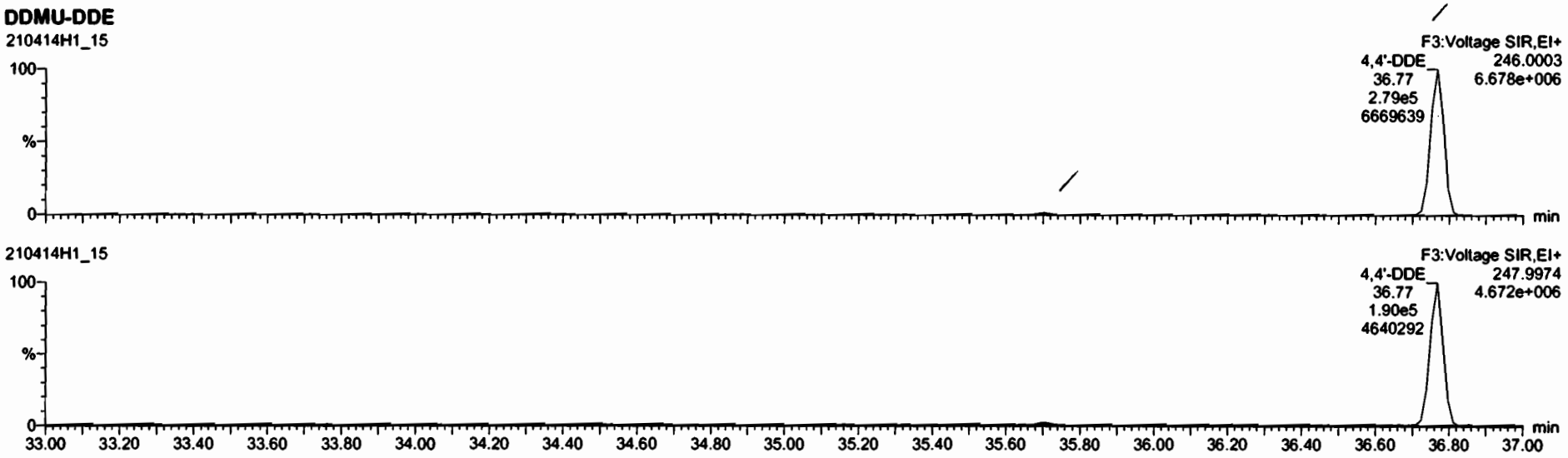
	#	Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1	Hexachlorobutadiene	5.32e4	1.16e6	0.06	YES	0.10	1.0522	10.00	10.00	1.001	1.002	NO	42.46		1.87	403
2	2	Hexachlorobenzene	2.92e4	6.60e5	1.20	NO	0.06	1.0522	22.71	22.71	1.001	1.000	NO	42.66		0.0449	42.7
3	3	Alpha-BHC		2.12e5		NO	0.83	1.0522		23.26		1.001	YES			2.87	
4	4	Lindane (gamma-BHC)		1.76e5		NO	0.86	1.0522		26.58		1.000	YES			3.76	
5	5	Beta-BHC		1.28e5		NO	1.00	1.0522		28.62		1.001	YES			3.81	
6	6	Delta-BHC	3.09e2	1.56e5	1.88	NO	0.91	1.0522	30.32	30.28	1.002	1.001	NO	2.483		3.16	2.48
7	7	Heptachlor		8.29e4		NO	1.10	1.0522		28.74		1.001	YES			0.927	
8	8	4,4'-DDMU		1.58e5		NO	1.25	1.0522		30.19		0.998	YES			2.88	
9	9	Aldrin		1.29e5		NO	1.09	1.0522		30.83		1.001	YES			1.03	
10	10	Oxychlordane	4.57e2	3.73e4	2.81	YES	1.06	1.0522	33.37	33.39	1.000	1.001	NO	10.98		2.98	7.78
11	11	cis-Heptachlor Epoxide	2.79e2	4.73e4	0.66	YES	1.08	1.0522	34.16	34.18	1.000	1.001	NO	5.296		2.03	3.40
12	12	trans-Heptachlor Epoxide		4.73e4		NO	0.29	1.0522		34.68		1.016	YES			7.49	
13	13	trans-Chlordane (gamma)	9.82e2	2.78e4	1.58	NO	1.14	1.0522	35.08	35.08	1.001	1.001	NO	29.51		3.36	29.5
14	14	trans-Nonachlor	1.58e3	2.88e4	1.22	NO	1.06	1.0522	35.24	35.22	1.000	1.000	NO	49.48		3.45	49.5
15	15	cis-Chlordane	9.16e2	2.88e4	1.08	NO	1.16	1.0522	35.75	35.77	1.014	1.010	NO	25.95		3.14	25.9

Dataset: Untitled

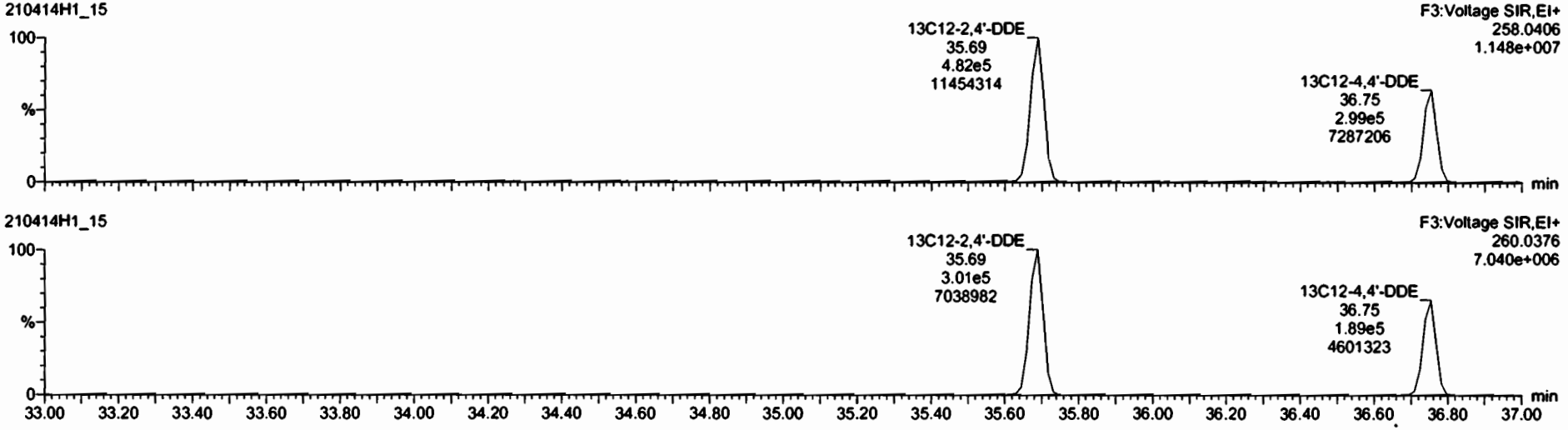
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

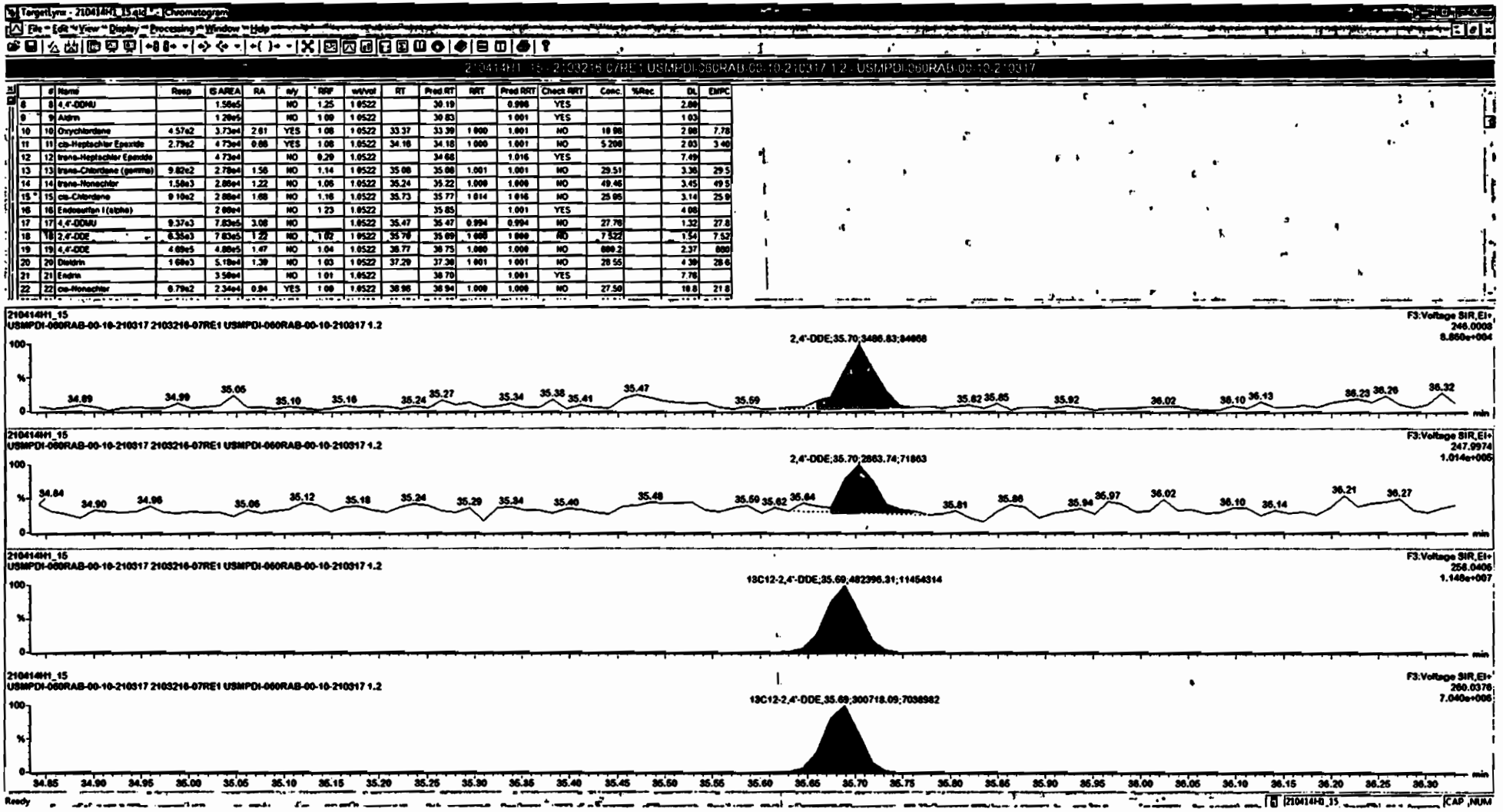
Name: 210414H1_15, Date: 14-Apr-2021, Time: 21:07:02, ID: 2103216-07RE1 USMPDI-060RAB-00-10-210317 1.2, Description: USMPDI-060RAB-00-10-210317

DDMU-DDE



DDE-isotopes





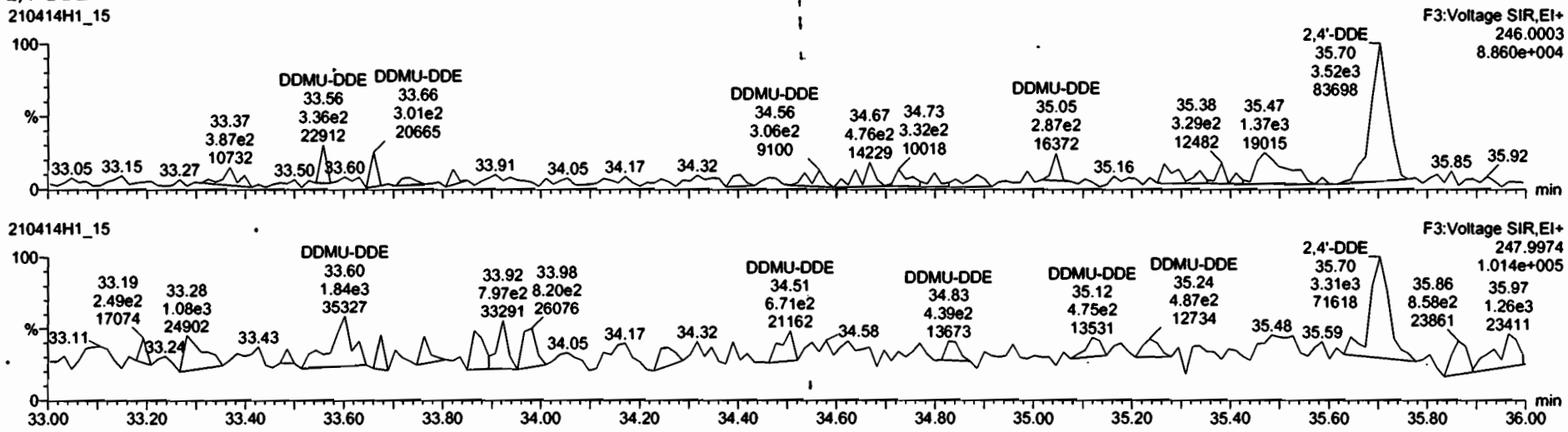
	#	Name	Resp	IS AREA	RA	a/y	RRF	w/v/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
8	8	4,4'-DDMU		1.56e5		NO	1.25	1.0522		30.19		0.998	YES			2.88	
9	9	Aldrin		1.29e5		NO	1.09	1.0522		30.83		1.001	YES			1.03	
10	10	Oxychlordane	4.57e2	3.73e4	2.61	YES	1.08	1.0522	33.37	33.39	1.000	1.001	NO	18.98		2.88	7.78
11	11	cis-Heptachlor Epoxide	2.79e2	4.73e4	0.88	YES	1.08	1.0522	34.18	34.18	1.000	1.001	NO	5.200		2.03	3.40
12	12	trans-Heptachlor Epoxide		4.73e4		NO	0.29	1.0522		34.68		1.016	YES			7.49	
13	13	trans-Chlordane (gamma)	9.82e2	2.78e4	1.56	NO	1.14	1.0522	35.08	35.08	1.001	1.001	NO	29.51		3.36	29.5
14	14	trans-Nonachlor	1.58e3	2.86e4	1.22	NO	1.06	1.0522	35.24	35.22	1.000	1.000	NO	49.46		3.45	49.5
15	15	cis-Chlordane	9.10e2	2.88e4	1.68	NO	1.16	1.0522	35.73	35.77	1.014	1.016	NO	25.95		3.14	25.9
16	16	Endosulfan I (alpha)		2.88e4		NO	1.23	1.0522		35.85		1.001	YES			4.08	
17	17	4,4'-DDMU	9.37e3	7.83e5	3.08	NO		1.0522	35.47	35.47	0.994	0.994	NO	27.78		1.32	27.8
18	18	2,4'-DDE	8.35e3	7.83e5	1.22	NO	1.02	1.0522	35.70	35.69	1.000	1.000	NO	7.522		1.54	7.52
19	19	4,4'-DDE	4.69e5	4.88e5	1.47	NO	1.04	1.0522	36.77	36.75	1.000	1.000	NO	880.2		2.37	880
20	20	Dieldrin	1.60e3	5.18e4	1.39	NO	1.03	1.0522	37.29	37.30	1.001	1.001	NO	28.55		4.39	28.6
21	21	Endrin		3.58e4		NO	1.01	1.0522		38.70		1.001	YES			7.76	
22	22	cis-Nonachlor	6.79e2	2.34e4	0.94	YES	1.09	1.0522	38.96	38.94	1.000	1.000	NO	27.50		18.8	21.8

Dataset: Untitled

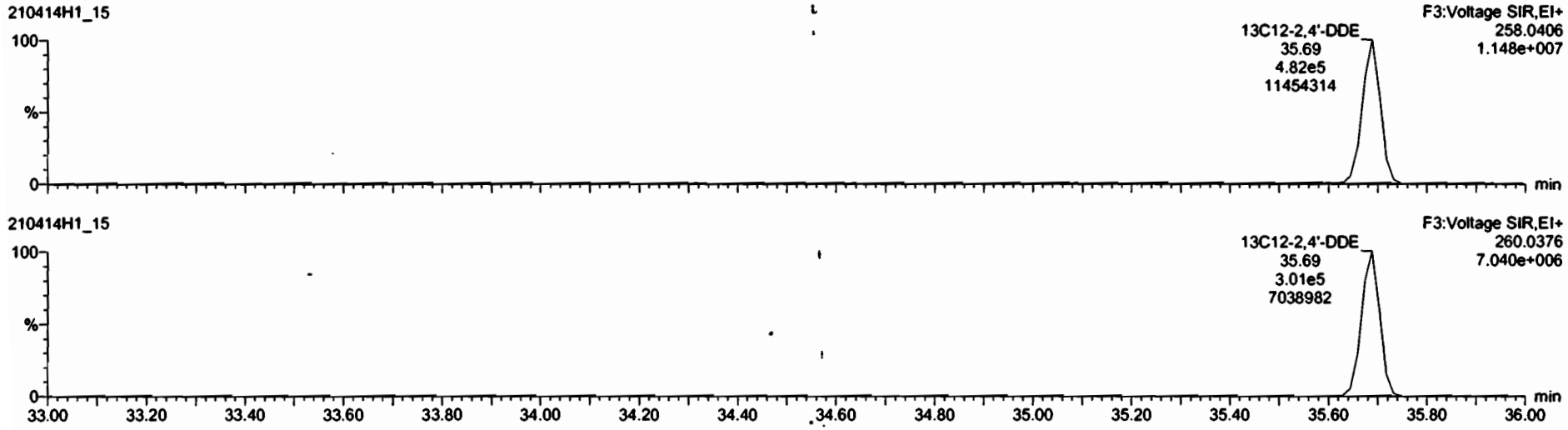
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_15, Date: 14-Apr-2021, Time: 21:07:02, ID: 2103216-07RE1 USMPDI-060RAB-00-10-210317 1.2, Description: USMPDI-060RAB-00-10-210317

2,4'-DDE



13C12-2,4'-DDE

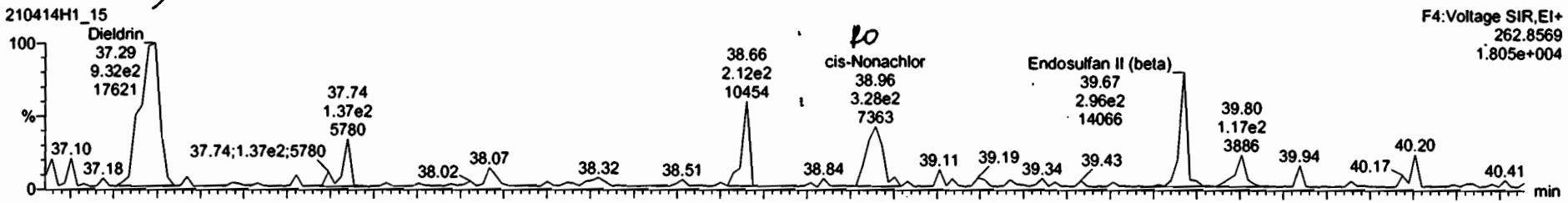


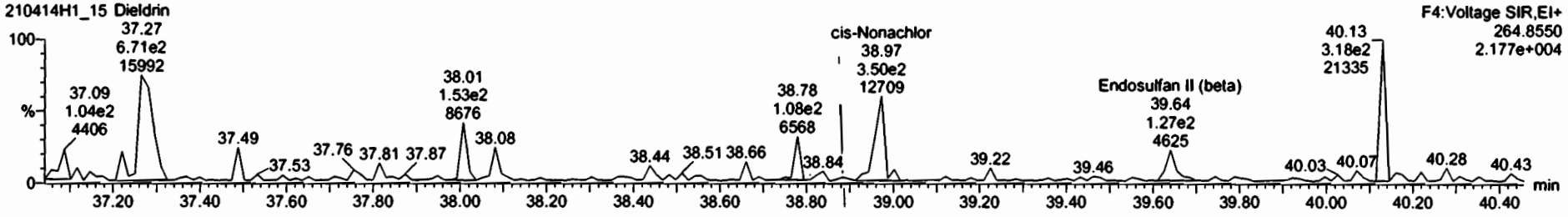
Dataset: Untitled

Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

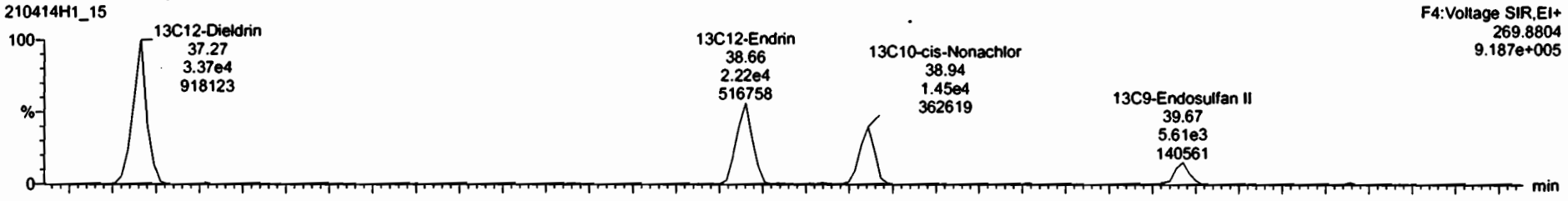
Name: 210414H1_15, Date: 14-Apr-2021, Time: 21:07:02, ID: 2103216-07RE1 USMPDI-060RAB-00-10-210317 1.2, Description: USMPDI-060RAB-00-10-210317

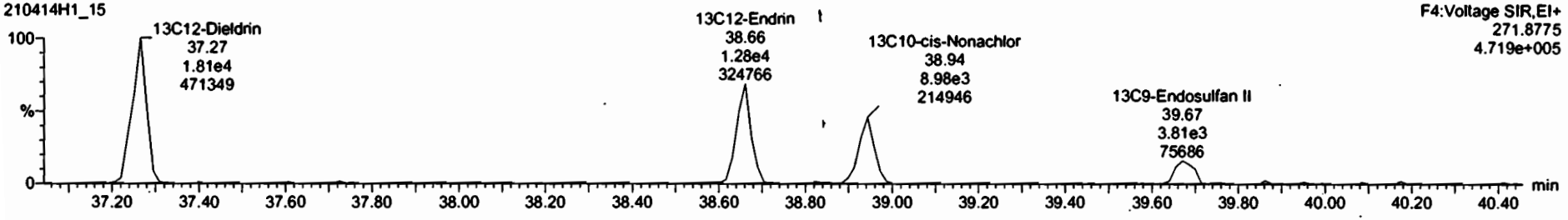
Dieldrin-EII

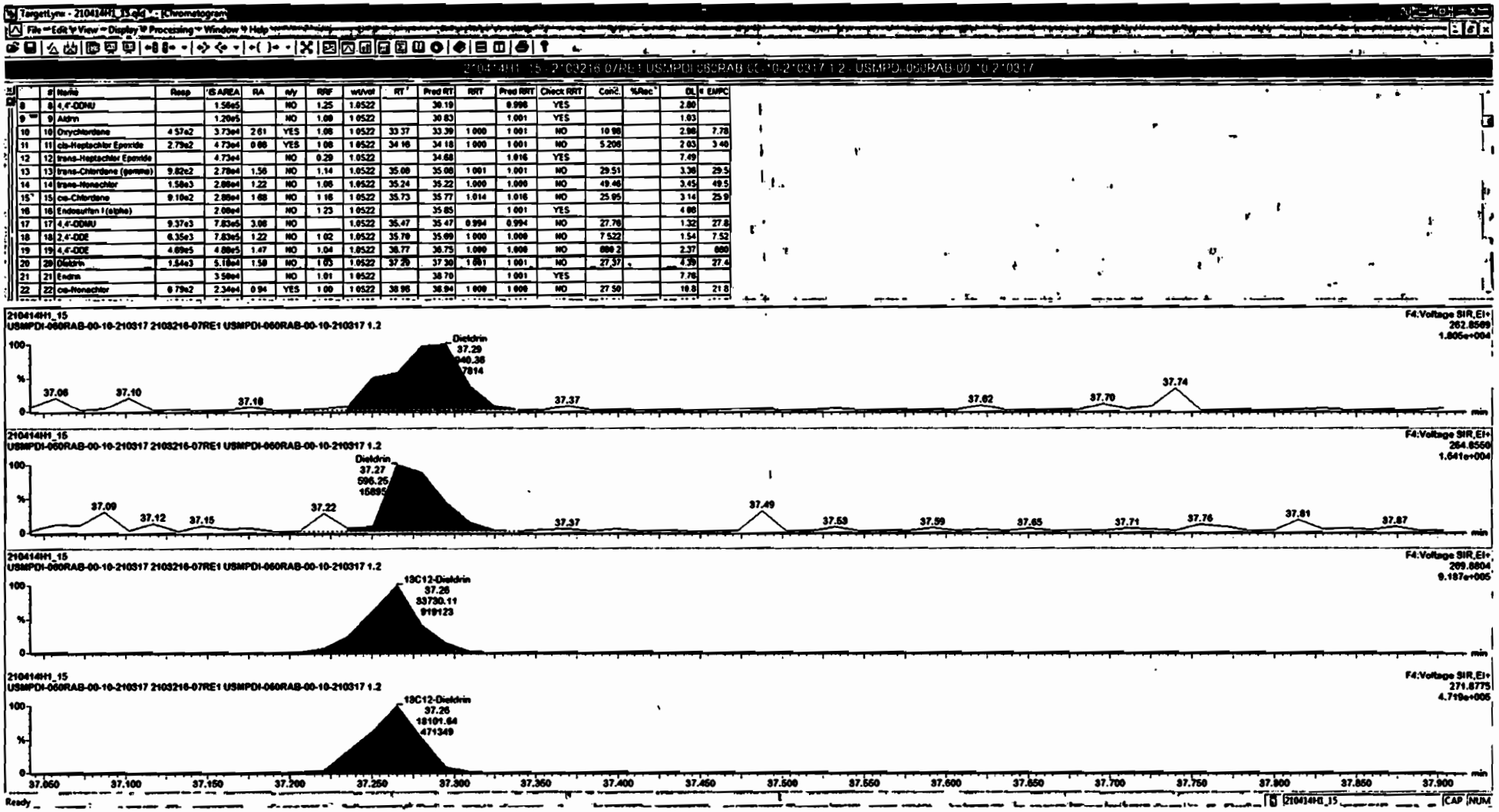




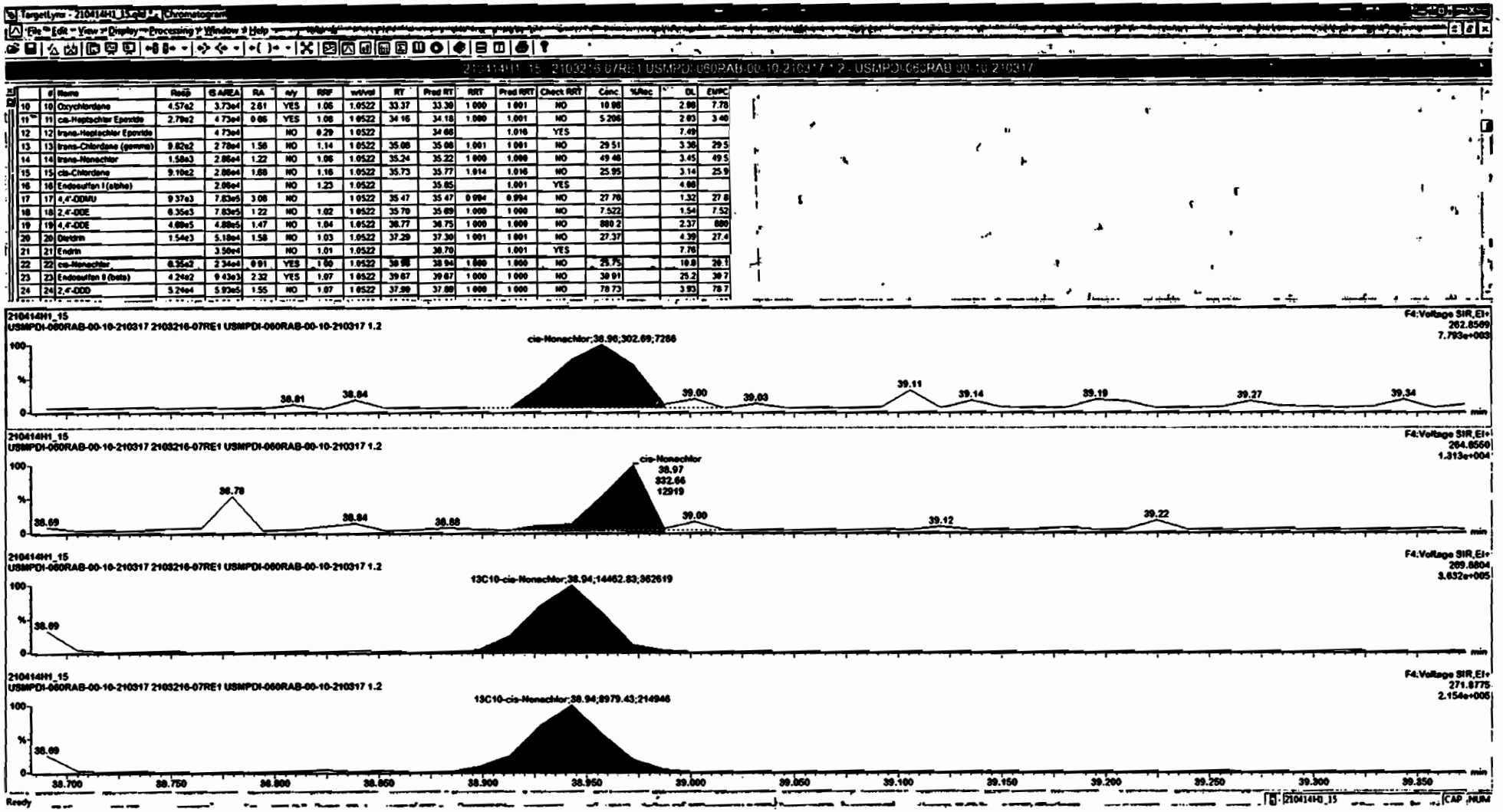
Dieldrin-EII-isotopes







		Name	Resp	IS AREA	RA	a/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
8	8	4,4'-DDMU		1.56e5		NO	1.25	1.0522		36.19		0.996	YES			2.80	
9	9	Aldrin		1.20e5		NO	1.00	1.0522		30.83		1.001	YES			1.03	
10	10	Oxychlordane	4.57e2	3.73e4	2.61	YES	1.06	1.0522	33.37	33.39	1.000	1.001	NO	10.98		2.98	7.78
11	11	cis-Heptachlor Epoxide	2.79e2	4.73e4	0.86	YES	1.06	1.0522	34.16	34.18	1.000	1.001	NO	5.206		2.03	3.40
12	12	trans-Heptachlor Epoxide		4.73e4		NO	0.29	1.0522		34.68		1.016	YES			7.49	
13	13	trans-Chlordane (gamma)	9.82e2	2.78e4	1.56	NO	1.14	1.0522	35.08	35.08	1.001	1.001	NO	29.51		3.36	29.5
14	14	trans-Nonachlor	1.58e3	2.86e4	1.22	NO	1.06	1.0522	35.24	35.22	1.000	1.000	NO	49.46		3.45	49.5
15*	15	cis-Chlordane	9.10e2	2.86e4	1.68	NO	1.16	1.0522	35.73	35.77	1.014	1.016	NO	25.95		3.14	25.9
16	16	Endosulfan I (alpha)		2.08e4		NO	1.23	1.0522		35.85		1.001	YES			4.86	
17	17	4,4'-DDMU	9.37e3	7.83e5	3.06	NO		1.0522	35.47	35.47	0.994	0.994	NO	27.76		1.32	27.8
18	18	2,4'-DDE	6.35e3	7.83e5	1.22	NO	1.02	1.0522	35.70	35.69	1.000	1.000	NO	7.522		1.54	7.52
19	19	4,4'-DDE	4.69e5	4.88e5	1.47	NO	1.04	1.0522	36.77	36.75	1.000	1.000	NO	880.2		2.37	880
20	20	Dieldrin	1.84e3	5.18e4	1.58	NO	1.05	1.0522	37.29	37.30	1.001	1.001	NO	27.37		4.39	27.4
21	21	Endrin		3.58e4		NO	1.01	1.0522		38.70		1.001	YES			7.76	
22	22	cis-Nonachlor	6.79e2	2.34e4	0.94	YES	1.00	1.0522	38.96	38.94	1.000	1.000	NO	27.50		10.8	21.8



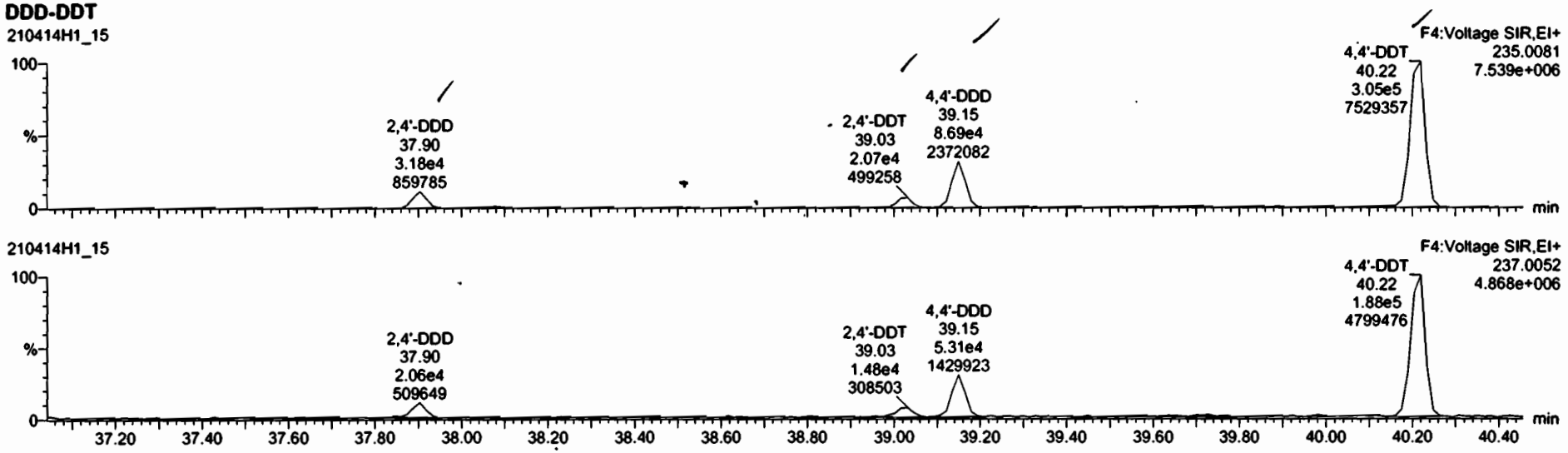
	#	Name	Resp	IS AREA	RA	e/y	RRF	wtval	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
10	10	Oxychlordane	4.57e2	3.73e4	2.61	YES	1.06	1.0522	33.37	33.39	1.000	1.001	NO	10.98		2.88	7.78
11	11	cis-Heptachlor Epoxide	2.79e2	4.73e4	0.66	YES	1.06	1.0522	34.16	34.18	1.000	1.001	NO	5.206		2.03	3.40
12	12	trans-Heptachlor Epoxide		4.73e4		NO	0.29	1.0522		34.68		1.016	YES			7.49	
13	13	trans-Chlordane (gamma)	9.82e2	2.78e4	1.56	NO	1.14	1.0522	35.08	35.06	1.001	1.001	NO	29.51		3.38	29.5
14	14	trans-Nonachlor	1.58e3	2.86e4	1.22	NO	1.06	1.0522	35.24	35.22	1.000	1.000	NO	49.46		3.45	49.5
15	15	cis-Chlordane	9.10e2	2.86e4	1.68	NO	1.16	1.0522	35.73	35.77	1.014	1.016	NO	25.95		3.14	25.9
16	16	Endosulfan I (alpha)		2.86e4		NO	1.23	1.0522		35.85		1.001	YES			4.98	
17	17	4,4'-DDMU	9.37e3	7.83e5	3.08	NO		1.0522	35.47	35.47	0.994	0.994	NO	27.78		1.32	27.8
18	18	2,4'-DDE	8.35e3	7.83e5	1.22	NO	1.02	1.0522	35.70	35.69	1.000	1.000	NO	7.522		1.54	7.52
19	19	4,4'-DDE	4.89e5	4.89e5	1.47	NO	1.04	1.0522	36.77	36.75	1.000	1.000	NO	880.2		2.37	880
20	20	Dieldrin	1.54e3	5.18e4	1.58	NO	1.03	1.0522	37.29	37.30	1.001	1.001	NO	27.37		4.39	27.4
21	21	Endrin		3.56e4		NO	1.01	1.0522		38.70		1.001	YES			7.76	
22	22	cis-Nonachlor	6.35e2	2.34e4	0.91	YES	1.00	1.0522	38.96	38.94	1.000	1.000	NO	25.75		10.8	26.1
23	23	Endosulfan II (beta)	4.24e2	9.43e3	2.32	YES	1.07	1.0522	39.67	39.67	1.000	1.000	NO	30.91		25.2	30.7
24	24	2,4'-DDD	5.24e4	5.93e5	1.55	NO	1.07	1.0522	37.89	37.89	1.000	1.000	NO	78.73		3.93	78.7

Dataset: Untitled

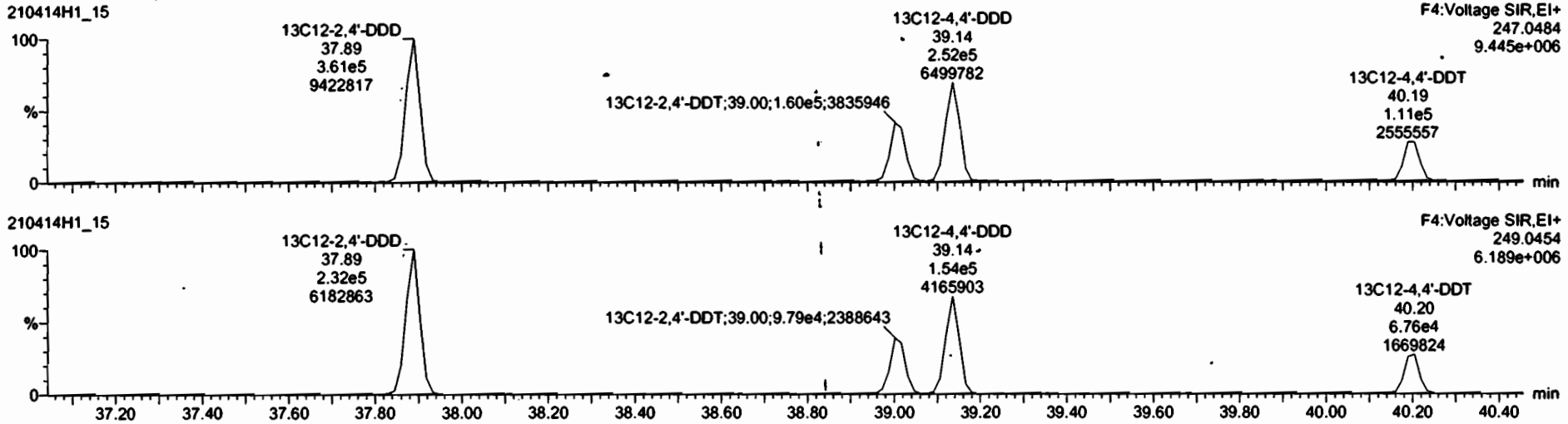
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_15, Date: 14-Apr-2021, Time: 21:07:02, ID: 2103216-07RE1 USMPDI-060RAB-00-10-210317 1.2, Description: USMPDI-060RAB-00-10-210317

DDD-DDT



DDD-DDT-isotopes



Dataset: Untitled

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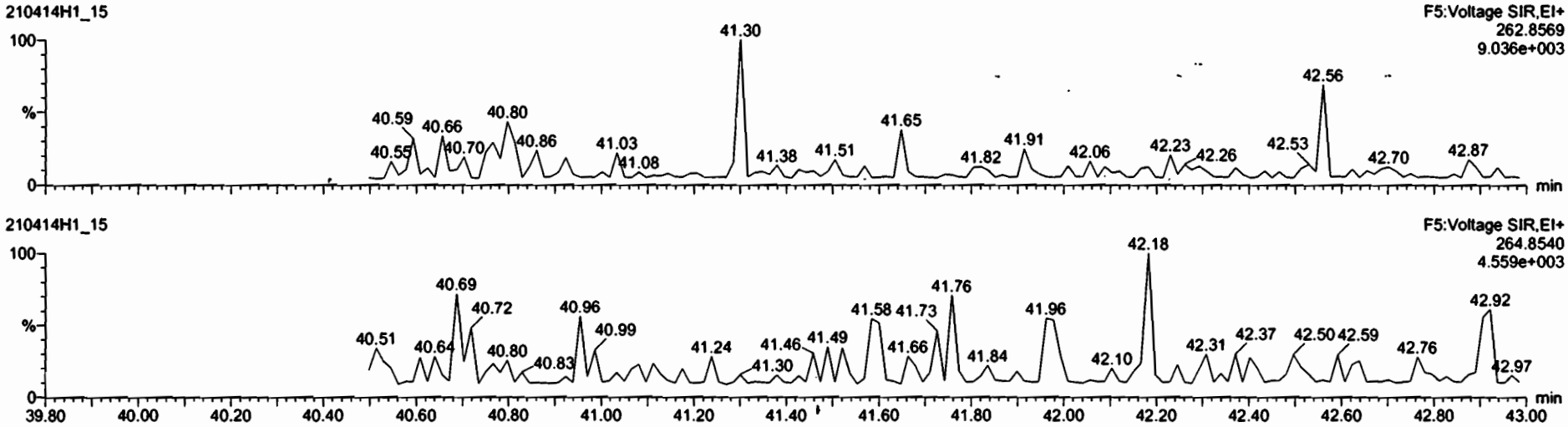
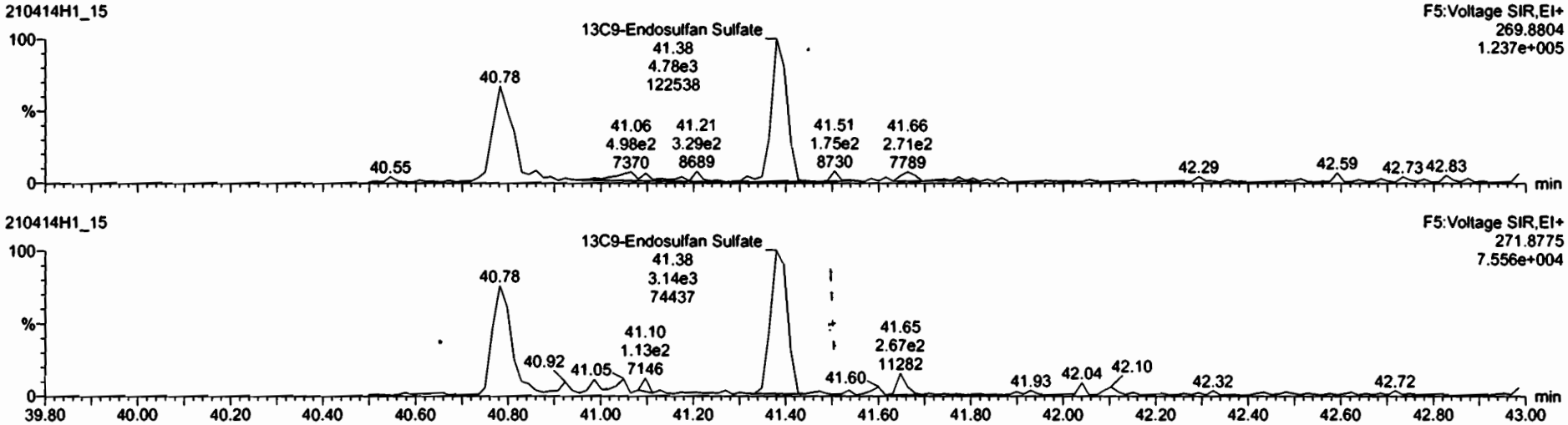
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_15, Date: 14-Apr-2021, Time: 21:07:02, ID: 2103216-07RE1 USMPDI-060RAB-00-10-210317 1.2, Description: USMPDI-060RAB-00-10-210317

Endosulfan Sulfate



13C9-Endosulfan Sulfate



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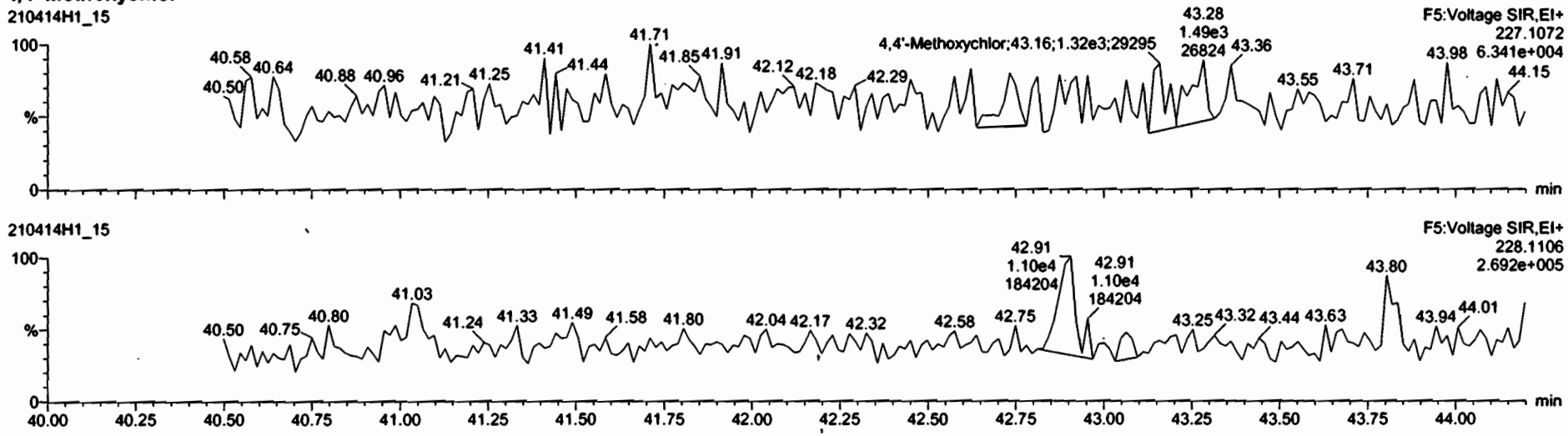
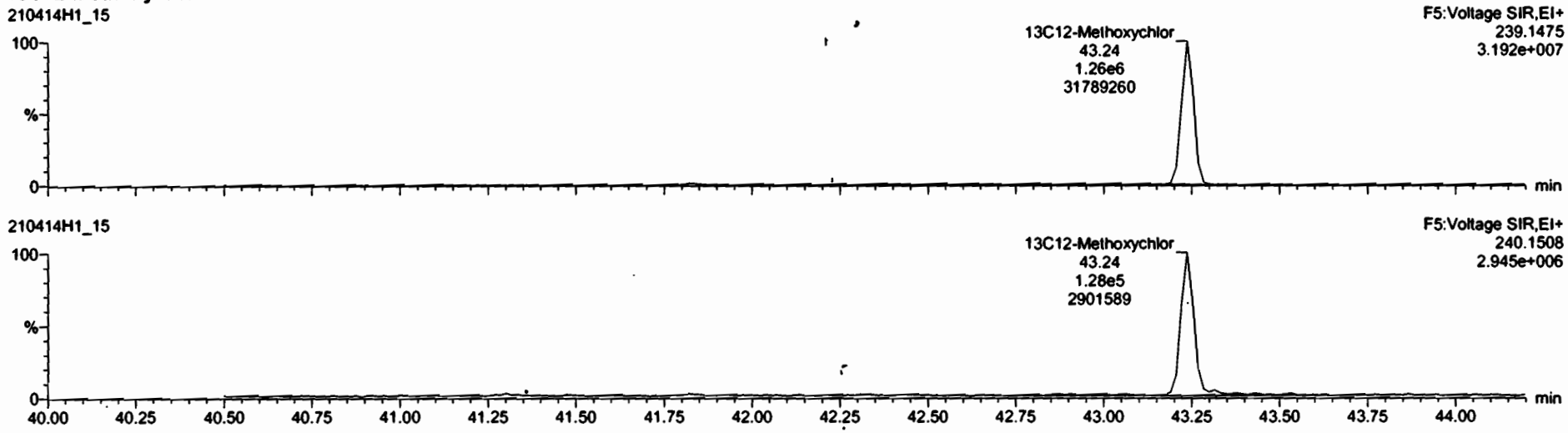
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_15, Date: 14-Apr-2021, Time: 21:07:02, ID: 2103216-07RE1 USMPDI-060RAB-00-10-210317 1.2, Description: USMPDI-060RAB-00-10-210317

4,4'-Methoxychlor



13C12-Methoxychlor



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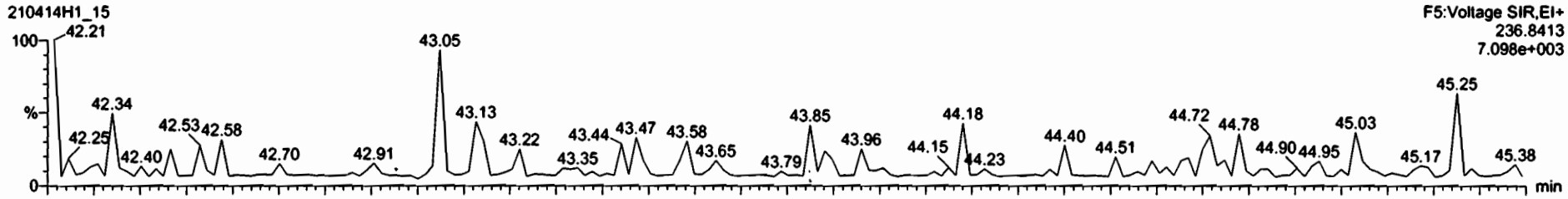
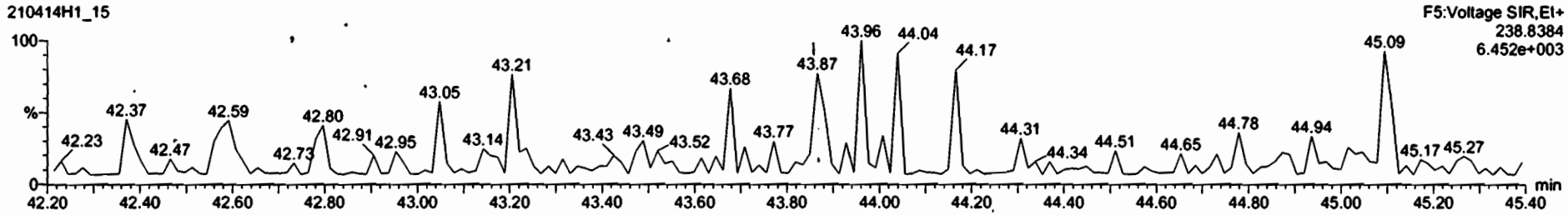
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

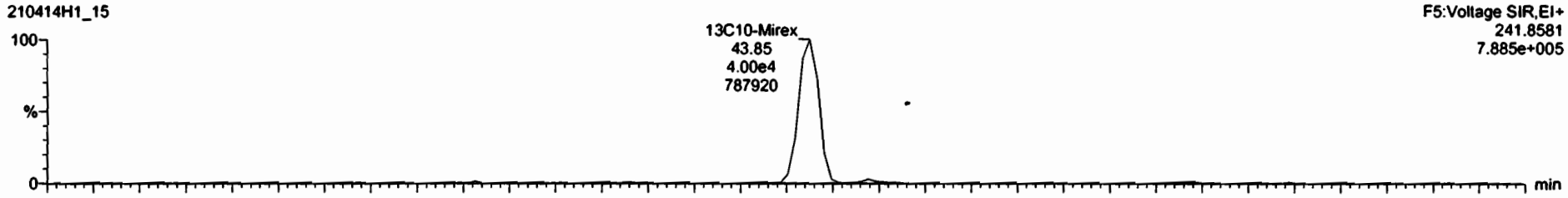
Name: 210414H1_15, Date: 14-Apr-2021, Time: 21:07:02, ID: 2103216-07RE1 USMPDI-060RAB-00-10-210317 1.2, Description: USMPDI-060RAB-00-10-210317

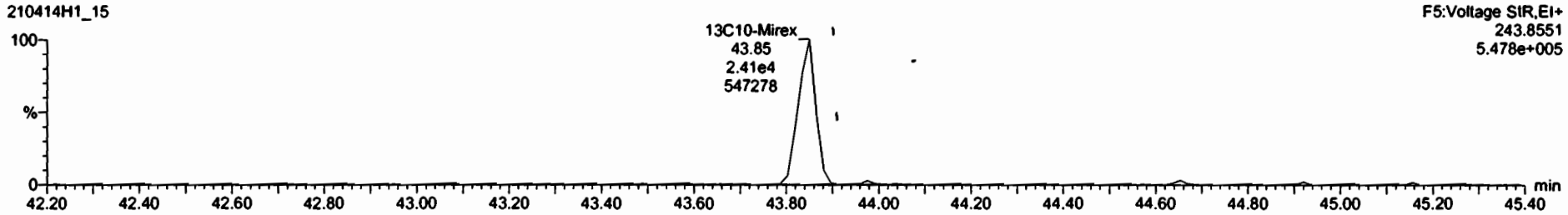
Mirex





13C10-Mirex





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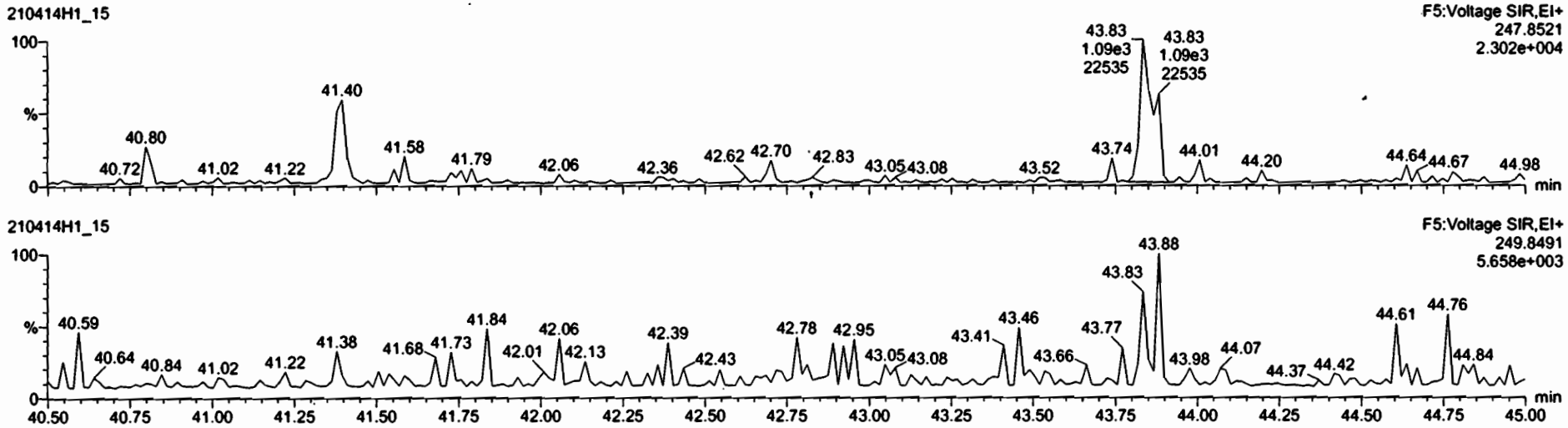
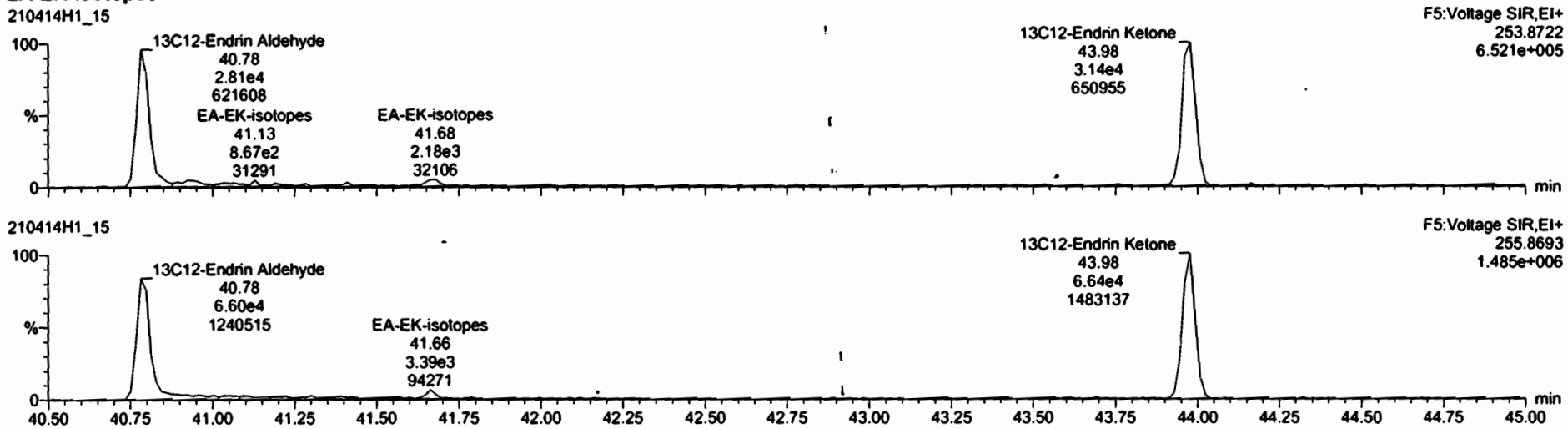
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_15, Date: 14-Apr-2021, Time: 21:07:02, ID: 2103216-07RE1 USMPDI-060RAB-00-10-210317 1.2, Description: USMPDI-060RAB-00-10-210317

EA-EK



EA-EK-isotopes



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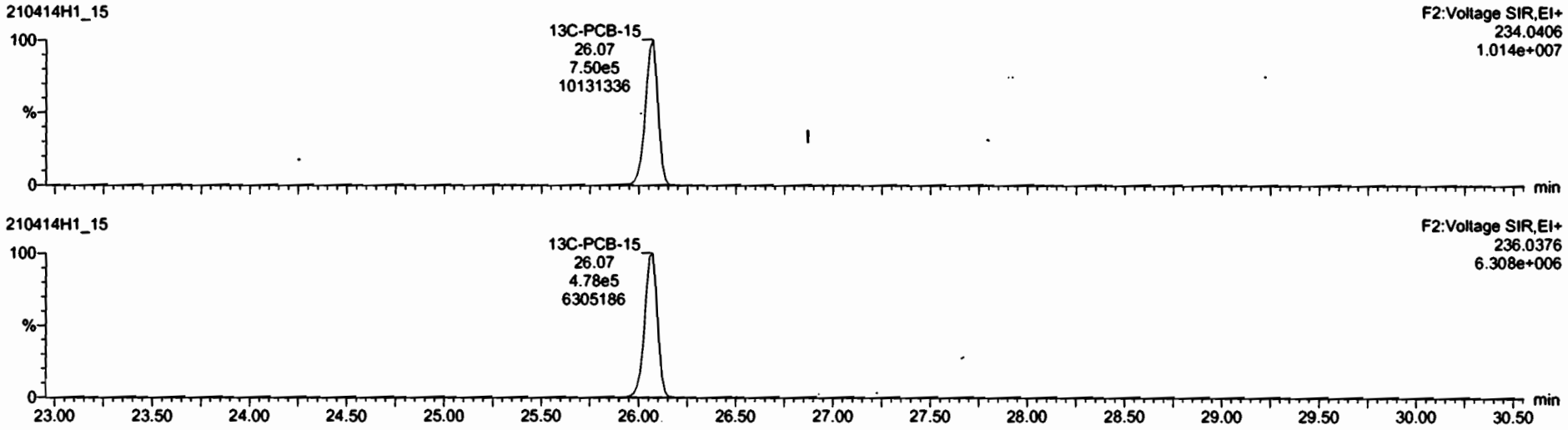
Name: 210414H1_15, Date: 14-Apr-2021, Time: 21:07:02, ID: 2103216-07RE1 USMPDI-060RAB-00-10-210317 1.2, Description: USMPDI-060RAB-00-10-210317

13C-PCB-15



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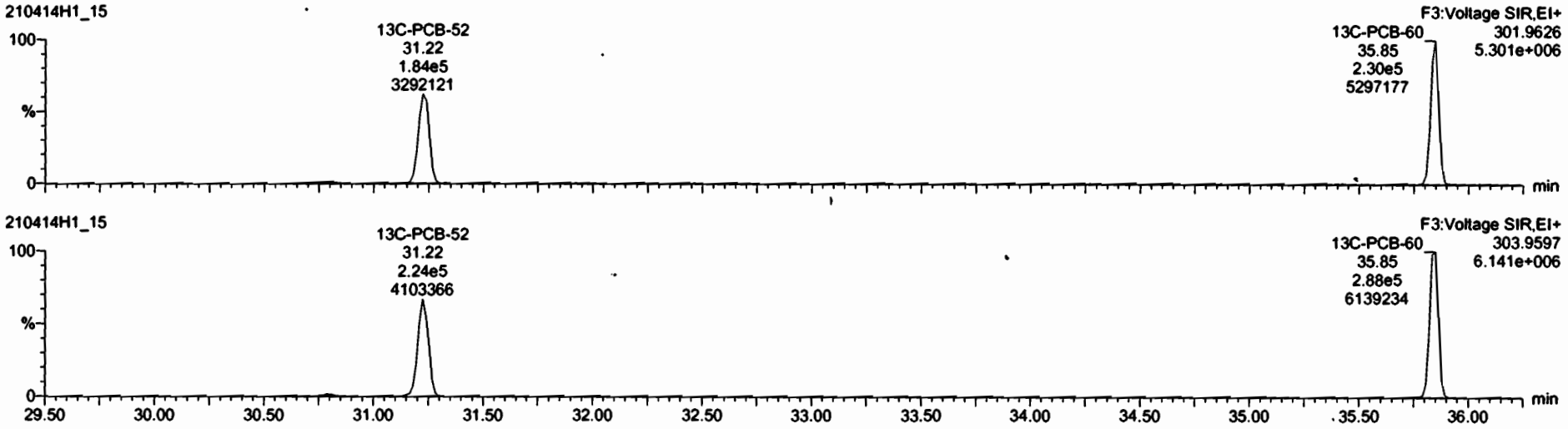

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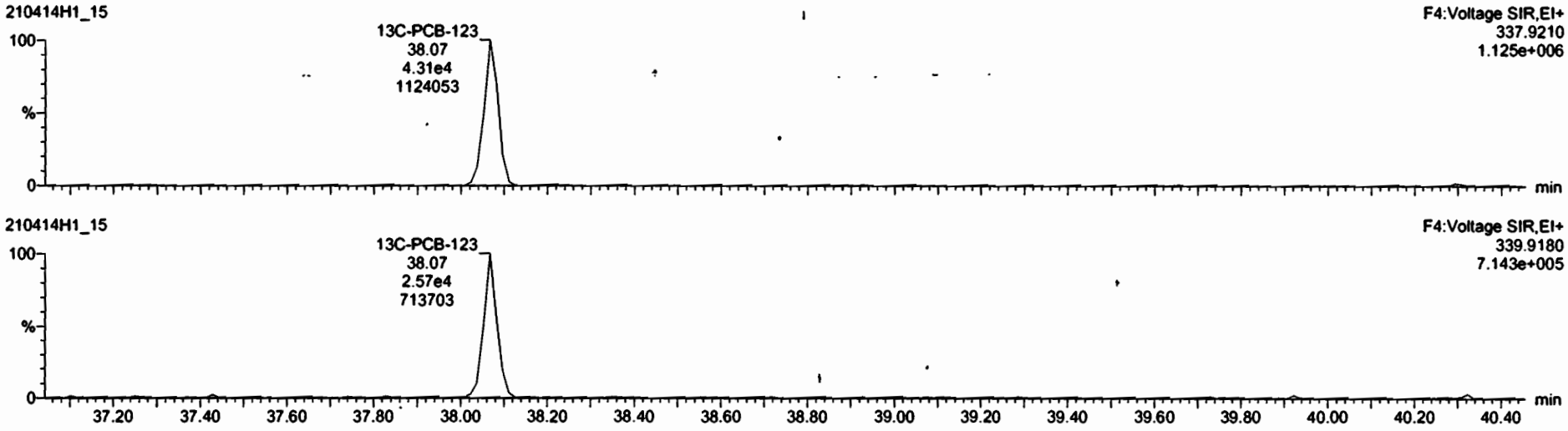
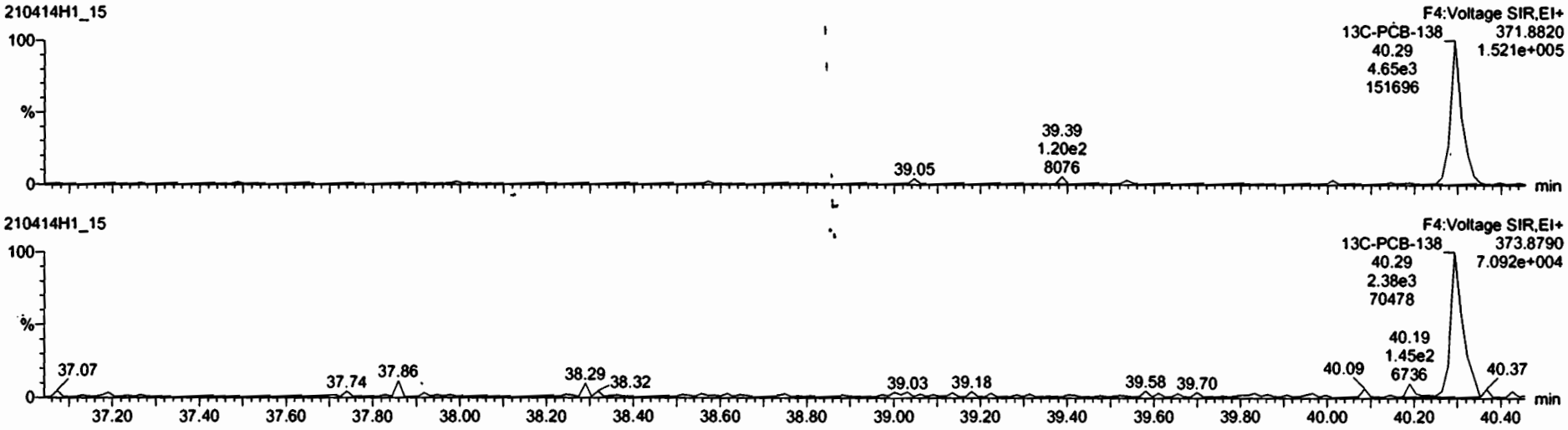
13C-PCB-123



13C-PCB-138

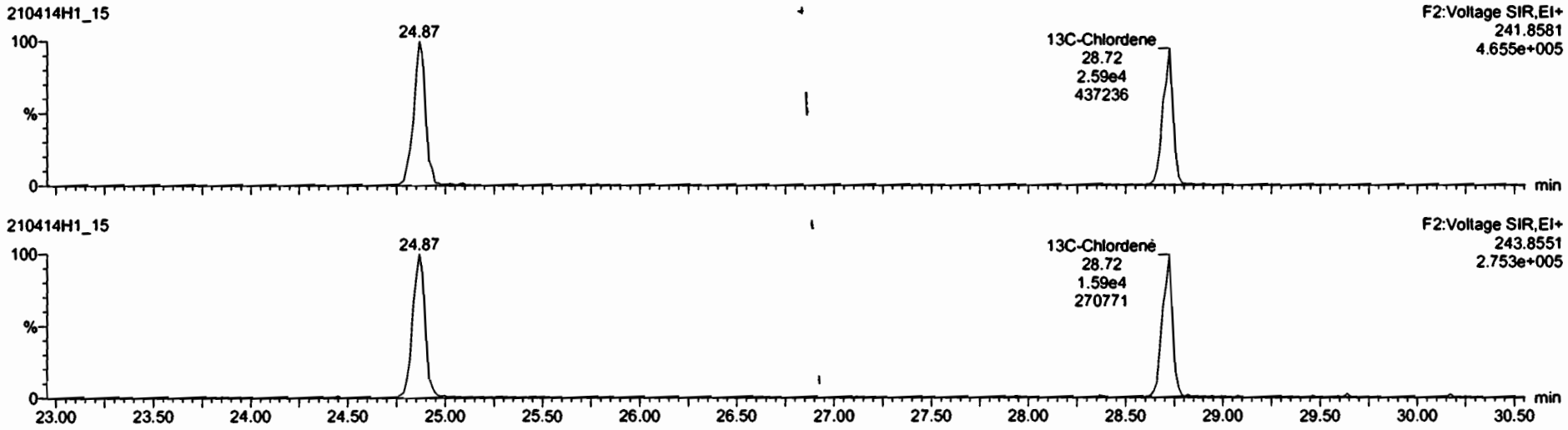


Dataset: Untitled

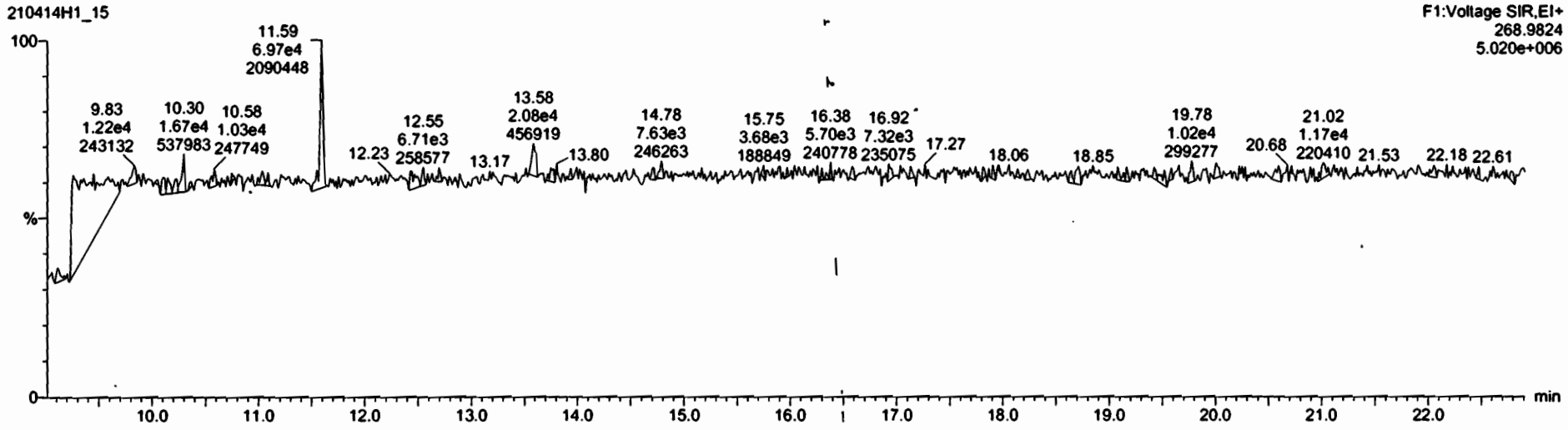
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_15, Date: 14-Apr-2021, Time: 21:07:02, ID: 2103216-07RE1 USMPDI-060RAB-00-10-210317 1.2, Description: USMPDI-060RAB-00-10-210317

13C-Chlordene



PFK1



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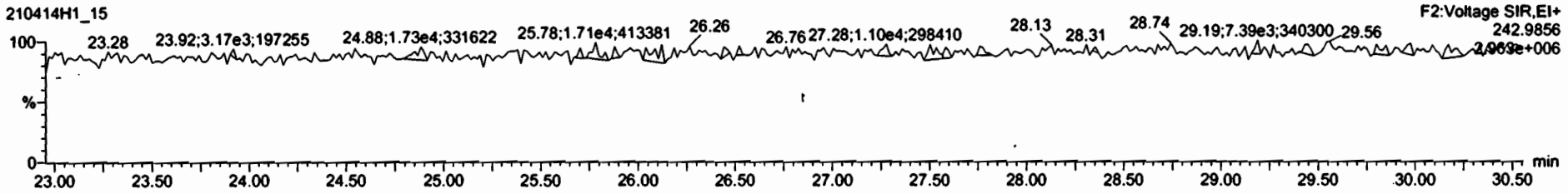
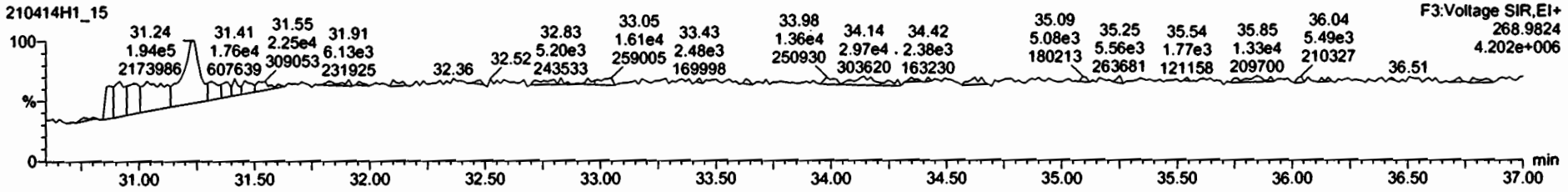
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_15, Date: 14-Apr-2021, Time: 21:07:02, ID: 2103216-07RE1 USMPDI-060RAB-00-10-210317 1.2, Description: USMPDI-060RAB-00-10-210317

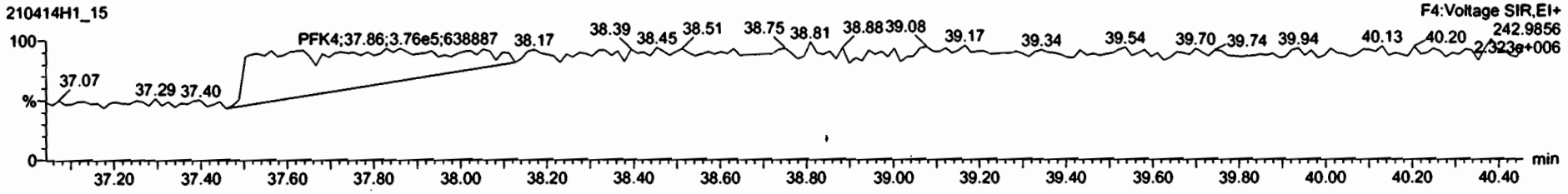
PFK2



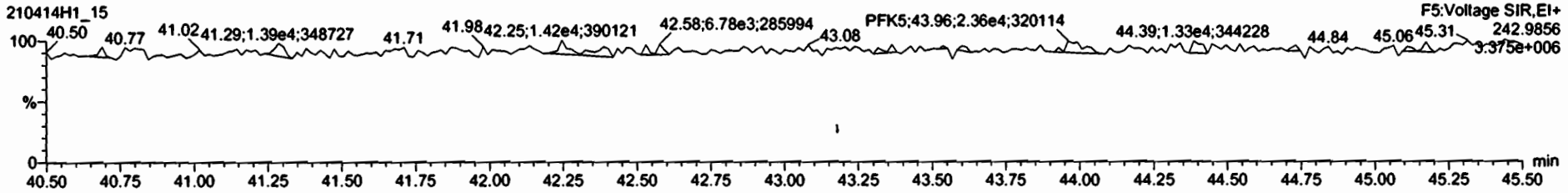
PFK3



PFK4



PFK5



Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_5.qld

Last Altered: Wednesday, April 28, 2021 3:12:40 PM Pacific Daylight Time
Printed: Wednesday, April 28, 2021 3:18:19 PM Pacific Daylight Time

oc 04/28/21
- DF 04/29/21

CT 05/03/2021

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210415H1_5, Date: 15-Apr-2021, Time: 12:52:28, ID: 2103216-08RE1 USMPDI-060RAB-10-20-210317 1.28, Description: USMPDI-060RAB-10-20-210317, Task: ST210415H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	4	Lindane (gamma-...		2.96e5		NO	0.860	1.069			1.000	YES			3.32	
2	9	Aldrin	6.23e2	1.10e5	2.68	YES	1.09	1.069	30.83	1.001	1.001	NO	4.8735		3.56	3.39
3	10	Oxychlordane		6.31e4		NO	1.06	1.069			1.001	YES			4.84	
4	13	trans-Chlordane (g...	1.56e3	5.31e4	2.43	YES	1.14	1.069	35.05	1.000	1.001	NO	24.180		4.96	18.0
5	14	trans-Nonachlor	3.12e2	6.03e4	1.37	NO	1.06	1.069	35.25	1.001	1.000	NO	4.5734		4.56	4.57
6	15	cis-Chlordane	8.59e2	6.03e4	1.95	YES	1.16	1.069	35.75	1.015	1.016	NO	11.436		4.15	9.91
7	18	2,4'-DDE	6.60e4	1.65e6	1.51	NO	1.02	1.069	35.70	1.000	1.000	NO	36.629		0.831	36.6
8	19	4,4'-DDE	3.35e5	1.21e6	1.61	NO	1.04	1.069	36.77	1.000	1.000	NO	249.21		0.993	249
9	20	Dieldrin	2.56e3	1.46e5	1.52	NO	1.03	1.069	37.29	1.001	1.001	NO	15.862		2.27	15.9
10	22	cis-Nonachlor		7.45e4		NO	1.00	1.069			1.000	YES			4.11	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_5.qld

Last Altered: Wednesday, April 28, 2021 3:12:40 PM Pacific Daylight Time
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Name: 210415H1_5, Date: 15-Apr-2021, Time: 12:52:28, ID: 2103216-08RE1 USMPDI-060RAB-10-20-210317 1.28, Description: USMPDI-060RAB-10-20-210317, Task: ST210415H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	24	2,4'-DDD	1.95e6	1.43e6	1.57	NO	1.07	1.069	37.90	1.000	1.000	NO	1196.8		1.58	1200
2	25	2,4'-DDT	9.88e4	7.49e5	1.56	NO	1.05	1.069	39.02	1.000	1.000	NO	117.91		3.28	118
3	26	4,4'-DDD	4.58e6	1.13e6	1.59	NO	1.16	1.069	39.15	1.000	1.000	NO	3263.1		1.75	3260
4	27	4,4'-DDT	4.10e5	6.01e5	1.53	NO	1.13	1.069	40.20	1.000	1.001	NO	563.46		3.79	563
5	36	13C6-Lindane (ga...	2.96e5	2.03e6	0.79	NO	0.194	1.069	26.57	1.020	1.019	NO	706.82	75.5	2.39	
6	40	13C12-Aldrin	1.10e5	2.03e6	1.65	NO	0.154	1.069	30.79	1.181	1.181	NO	328.42	35.1	2.39	
7	41	13C10-Oxychlorda...	6.31e4	2.03e6	1.56	NO	0.0404	1.069	33.35	1.280	1.280	NO	721.36	77.1	9.11	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_5.qld

Last Altered: Wednesday, April 28, 2021 3:12:40 PM Pacific Daylight Time
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Name: 210415H1_5, Date: 15-Apr-2021, Time: 12:52:28, ID: 2103216-08RE1 USMPDI-060RAB-10-20-210317 1.28, Description: USMPDI-060RAB-10-20-210317, Task: ST210415H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	43	13C10-trans-Chlor...	5.31e4	2.03e6	1.61	NO	0.0358	1.069	35.05	1.345	1.344	NO	685.34	73.2	10.3	
2	44	13C10-trans-Nona...	6.03e4	1.17e6	1.48	NO	0.0638	1.069	35.22	0.983	0.983	NO	754.12	80.6	5.61	
3	46	13C12-2,4'-DDE	1.65e6	1.17e6	1.57	NO	1.43	1.069	35.69	0.996	0.995	NO	915.14	97.8	0.788	
4	47	13C12-4,4'-DDE	1.21e6	1.17e6	1.57	NO	0.995	1.069	36.75	1.025	1.026	NO	972.41	104	1.14	
5	48	13C12-Dieldrin	1.46e5	1.17e6	1.74	NO	0.146	1.069	37.26	1.039	1.040	NO	798.51	85.3	7.01	
6	50	13C10-cis-Nonach...	7.45e4	1.17e6	1.55	NO	0.0791	1.069	38.94	1.086	1.087	NO	750.59	80.2	13.0	
7	52	13C12-2,4'-DDD	1.43e6	1.17e6	1.61	NO	1.35	1.069	37.89	1.057	1.057	NO	840.54	89.8	1.73	
8	53	13C12-2,4'-DDT	7.49e5	1.17e6	1.62	NO	0.962	1.069	39.00	1.088	1.089	NO	620.33	66.3	2.44	
9	54	13C12-4,4'-DDD	1.13e6	1.17e6	1.60	NO	1.12	1.069	39.13	1.092	1.092	NO	800.06	85.5	2.09	
10	55	13C12-4,4'-DDT	6.01e5	1.17e6	1.56	NO	0.735	1.069	40.20	1.122	1.122	NO	652.48	69.7	3.19	
11	62	13C-PCB-15	2.03e6	2.03e6	1.60	NO	1.00	1.069	26.06	1.000	1.000	NO	935.77	100	0.463	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_5.qld

Last Altered: Wednesday, April 28, 2021 3:12:40 PM Pacific Daylight Time
Printed: Wednesday, April 28, 2021 3:18:45 PM Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210415H1_5, Date: 15-Apr-2021, Time: 12:52:28, ID: 2103216-08RE1 USMPDI-060RAB-10-20-210317 1.28, Description: USMPDI-060RAB-10-20-210317, Task: ST210415H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	63	13C-PCB-60	1.17e6	1.17e6	0.82	NO	1.00	1.069	35.85	1.000	1.000	NO	935.77	100	0.757	

Dataset: Untitled

Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
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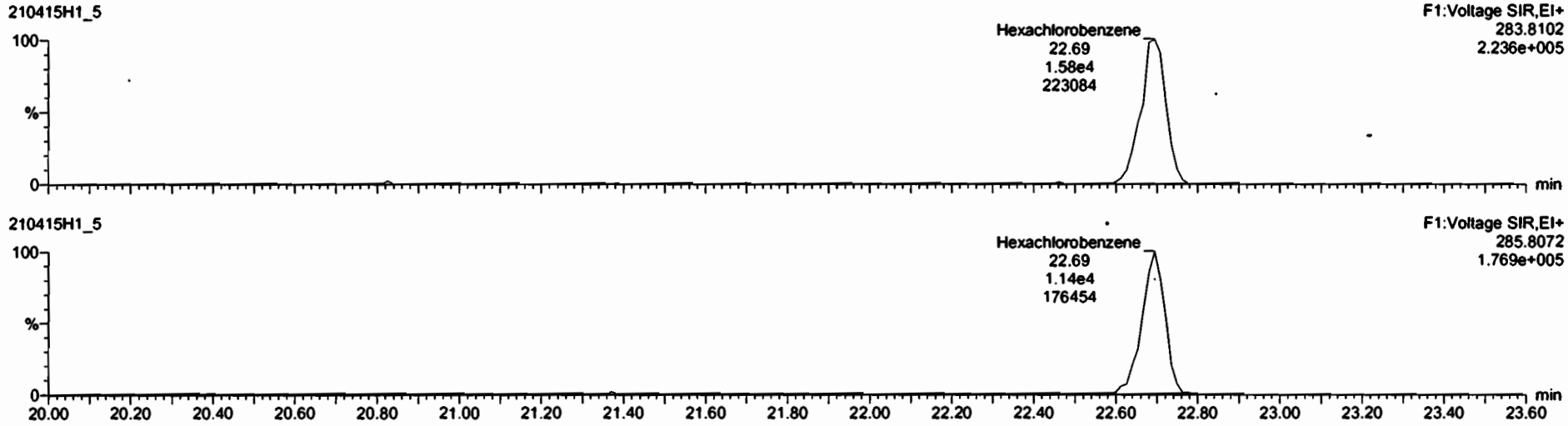
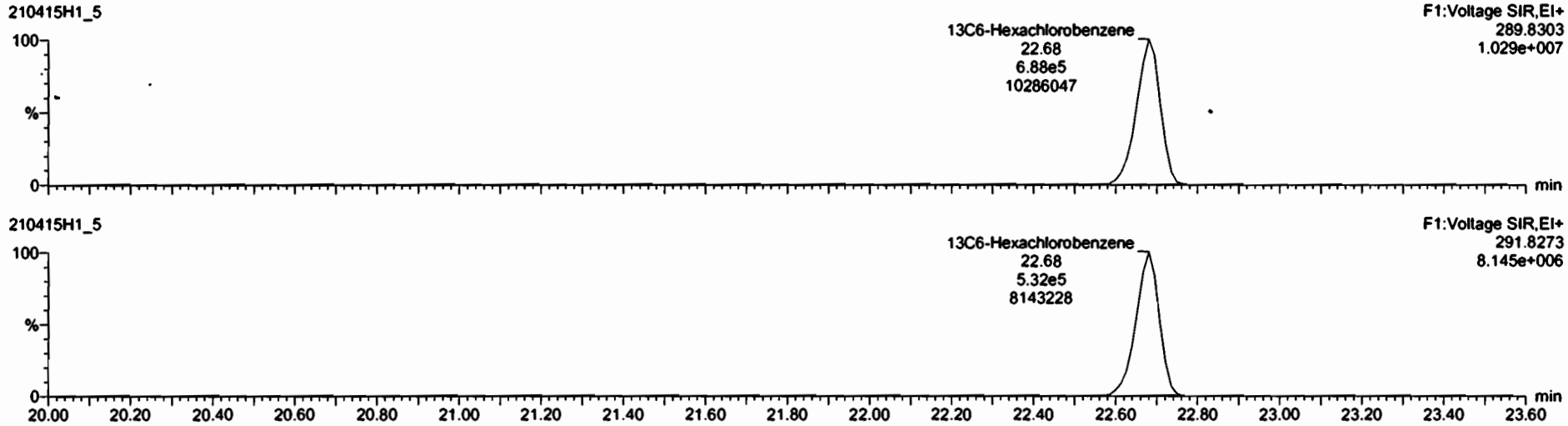
Name: 210415H1_5, Date: 15-Apr-2021, Time: 12:52:28, ID: 2103216-08RE1 USMPDI-060RAB-10-20-210317 1.28, Description: USMPDI-060RAB-10-20-210317

Hexachlorobenzene



13C6-Hexachlorobenzene



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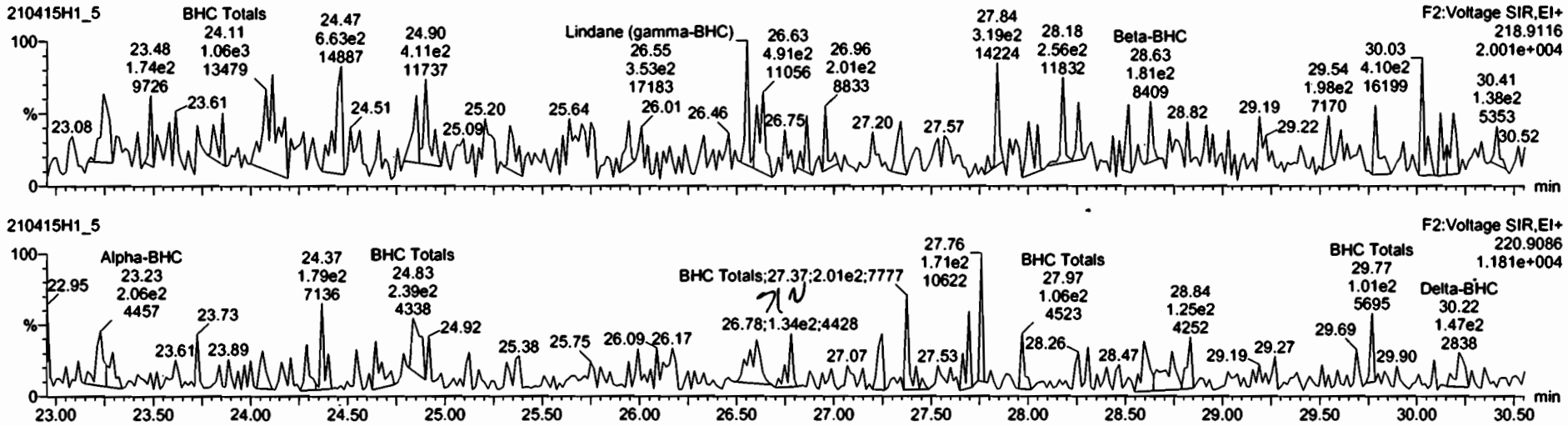
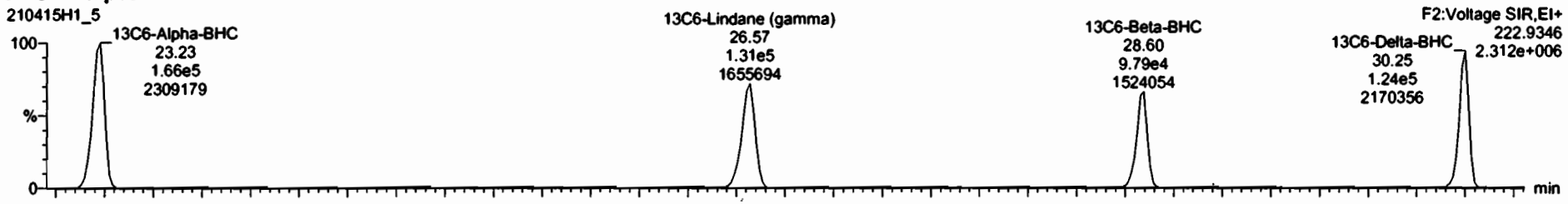
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

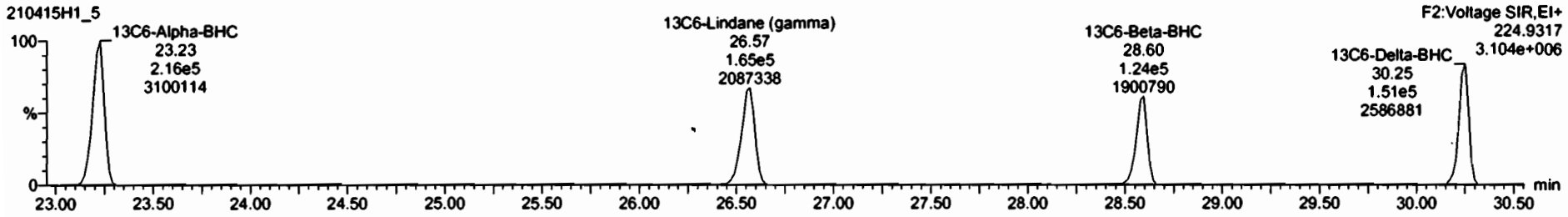
Name: 210415H1_5, Date: 15-Apr-2021, Time: 12:52:28, ID: 2103216-08RE1 USMPDI-060RAB-10-20-210317 1.28, Description: USMPDI-060RAB-10-20-210317

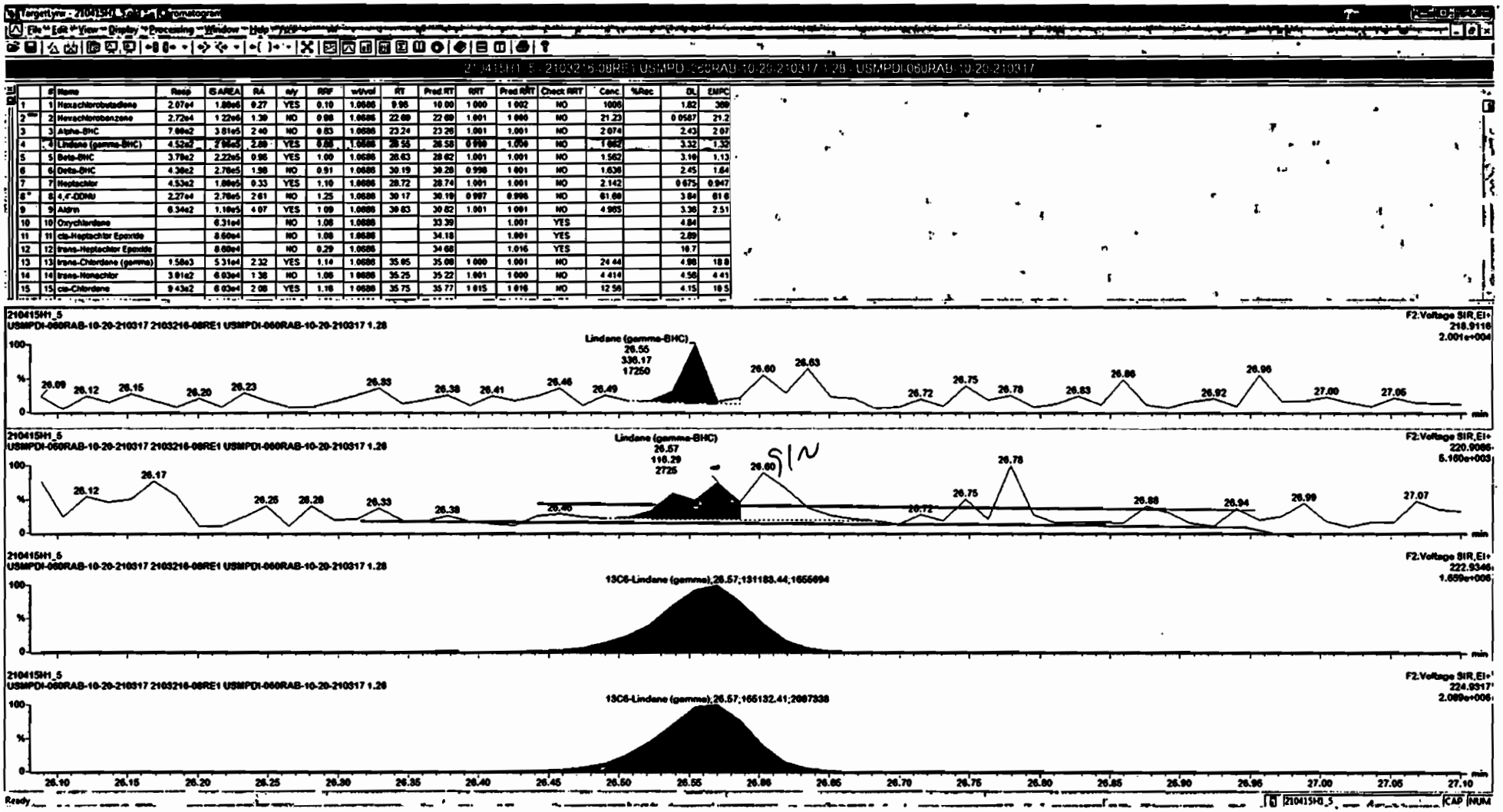
BHC Totals



BHC-isotopes







	#	Name	Resp	IS AREA	RA	rdy	RRF	wtVal	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
1	1	Hexachlorobutadiene	2.07e4	1.88e6	0.27	YES	0.10	1.0000	9.95	10.00	1.000	1.002	NO	1006		1.82	309
2	2	Hexachlorobenzene	2.72e4	1.22e6	1.39	NO	0.98	1.0000	22.69	22.69	1.001	1.000	NO	21.23		0.0587	21.2
3	3	Alpha-BHC	7.66e2	3.81e5	2.46	NO	0.83	1.0000	23.24	23.26	1.001	1.001	NO	2.074		2.43	2.07
4	4	Lindane (gamma-BHC)	4.52e2	2.96e5	2.89	YES	0.88	1.0000	26.55	26.58	0.998	1.000	NO	1.662		3.32	1.33
5	5	Beta-BHC	3.78e2	2.22e5	0.95	YES	1.00	1.0000	28.63	28.62	1.001	1.001	NO	1.562		3.19	1.13
6	6	Delta-BHC	4.36e2	2.78e5	1.98	NO	0.91	1.0000	30.19	30.28	0.998	1.001	NO	1.636		2.45	1.64
7	7	Heptachlor	4.53e2	1.89e5	0.33	YES	1.10	1.0000	28.72	28.74	1.001	1.001	NO	2.142		0.675	0.947
8	8	4,4'-DDMU	2.27e4	2.78e5	2.61	NO	1.25	1.0000	30.17	30.19	0.997	0.998	NO	61.66		3.84	61.6
9	9	Aldrin	6.34e2	1.19e5	4.07	YES	1.09	1.0000	30.83	30.82	1.001	1.001	NO	4.965		3.36	2.51
10	10	Oxychlordane		6.31e4		NO	1.08	1.0000		33.39		1.001	YES			4.84	
11	11	cis-Heptachlor Epoxide		8.60e4		NO	1.08	1.0000		34.18		1.001	YES			2.89	
12	12	trans-Heptachlor Epoxide		8.60e4		NO	0.29	1.0000		34.68		1.016	YES			10.7	
13	13	trans-Chlordane (gamma)	1.58e3	5.31e4	2.32	YES	1.10	1.0000	35.05	35.08	1.000	1.001	NO	24.44		4.98	18.8
14	14	trans-Nonachlor	3.91e2	6.03e4	1.38	NO	1.06	1.0000	35.25	35.22	1.001	1.000	NO	4.414		4.56	4.41
15	15	cis-Chlordane	9.43e2	6.03e4	2.08	YES	1.16	1.0000	35.75	35.77	1.015	1.016	NO	12.56		4.15	10.5

Dataset: Untitled

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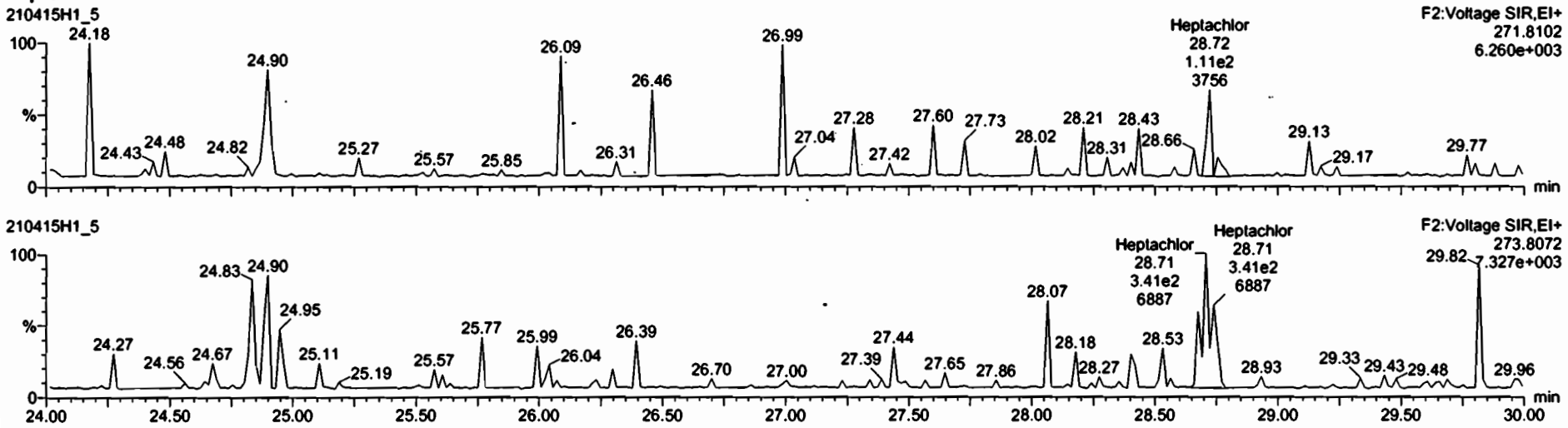
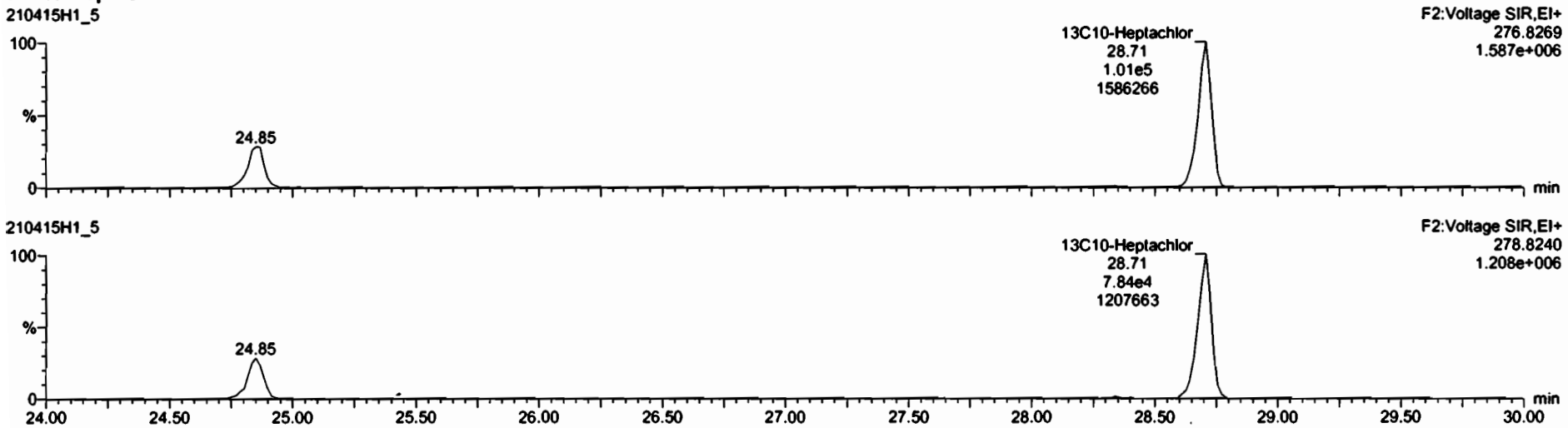
Name: 210415H1_5, Date: 15-Apr-2021, Time: 12:52:28, ID: 2103216-08RE1 USMPDI-060RAB-10-20-210317 1.28, Description: USMPDI-060RAB-10-20-210317

Heptachlor



13C10-Heptachlor



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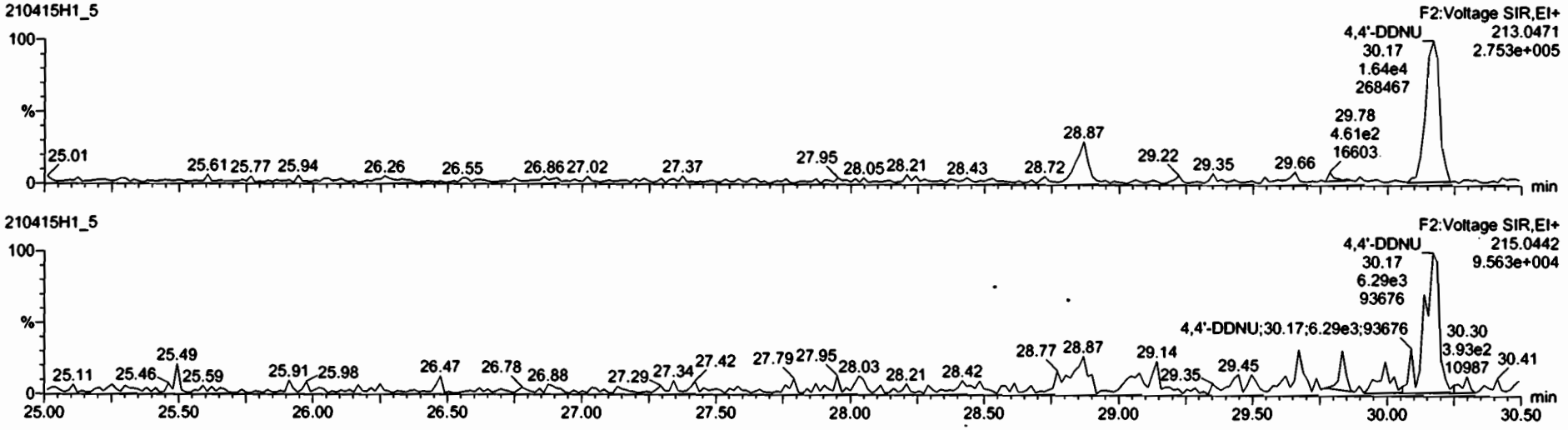
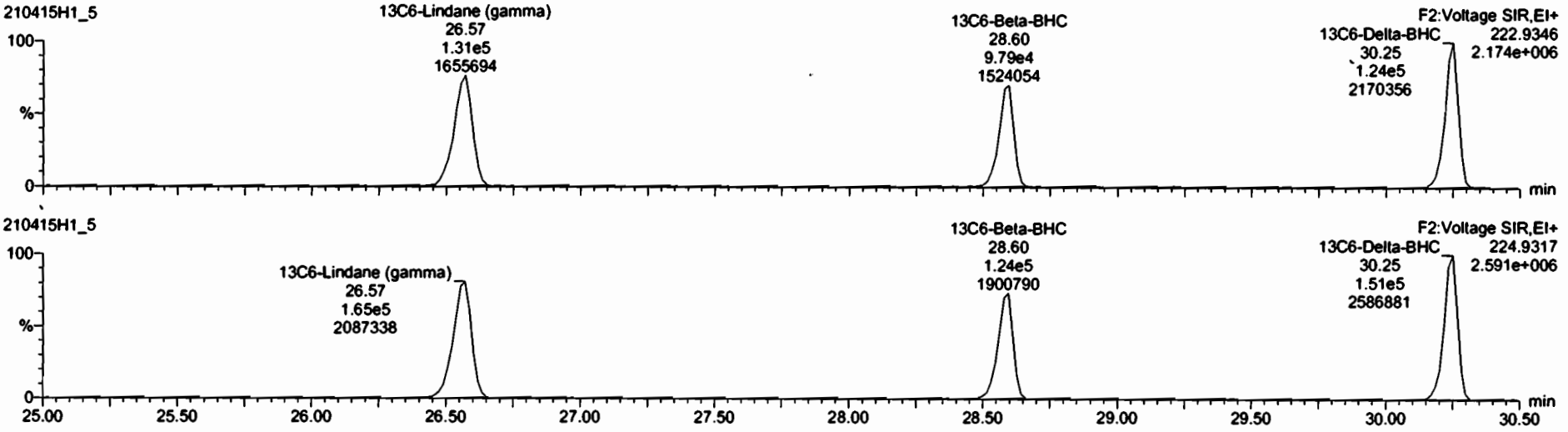
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_5, Date: 15-Apr-2021, Time: 12:52:28, ID: 2103216-08RE1 USMPDI-060RAB-10-20-210317 1.28, Description: USMPDI-060RAB-10-20-210317

4,4'-DDNU



13C6-Delta-BHC



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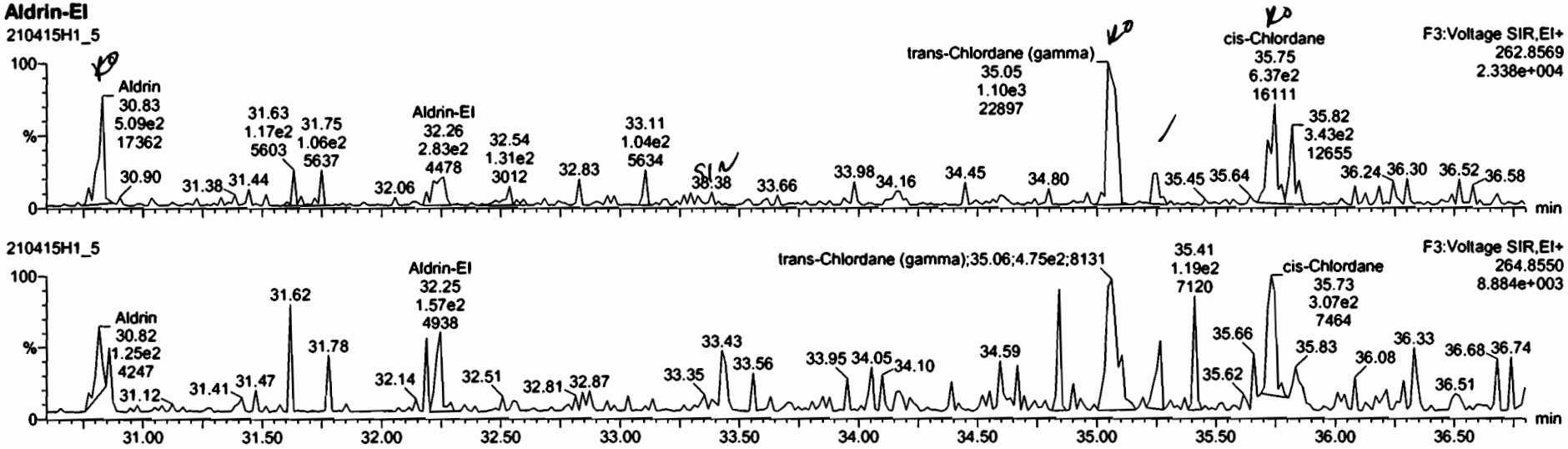
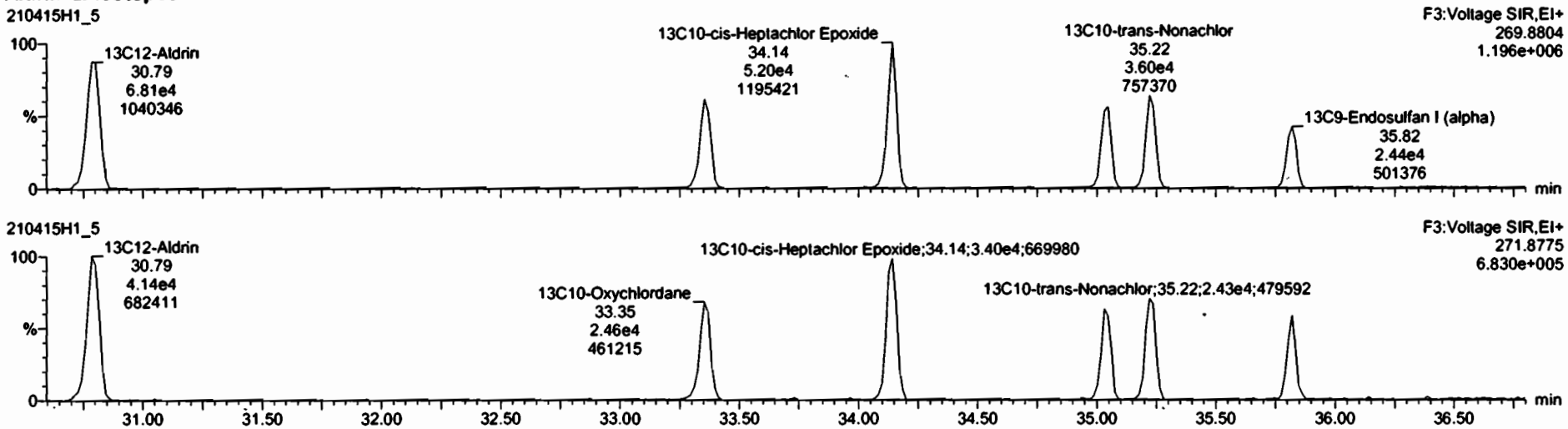
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_5, Date: 15-Apr-2021, Time: 12:52:28, ID: 2103216-08RE1 USMPDI-060RAB-10-20-210317 1.28, Description: USMPDI-060RAB-10-20-210317

Aldrin-EI



Aldrin-EI-isotopes

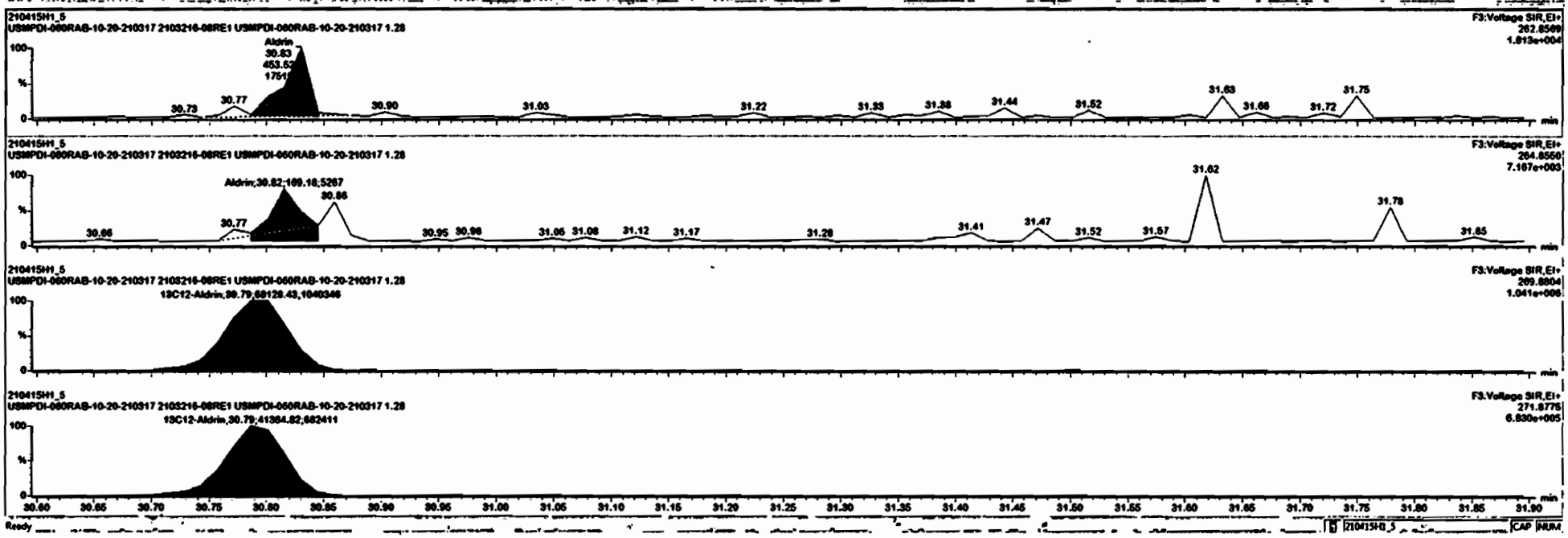


TargetLynx - 210415H1_5.qld * Chromatogram

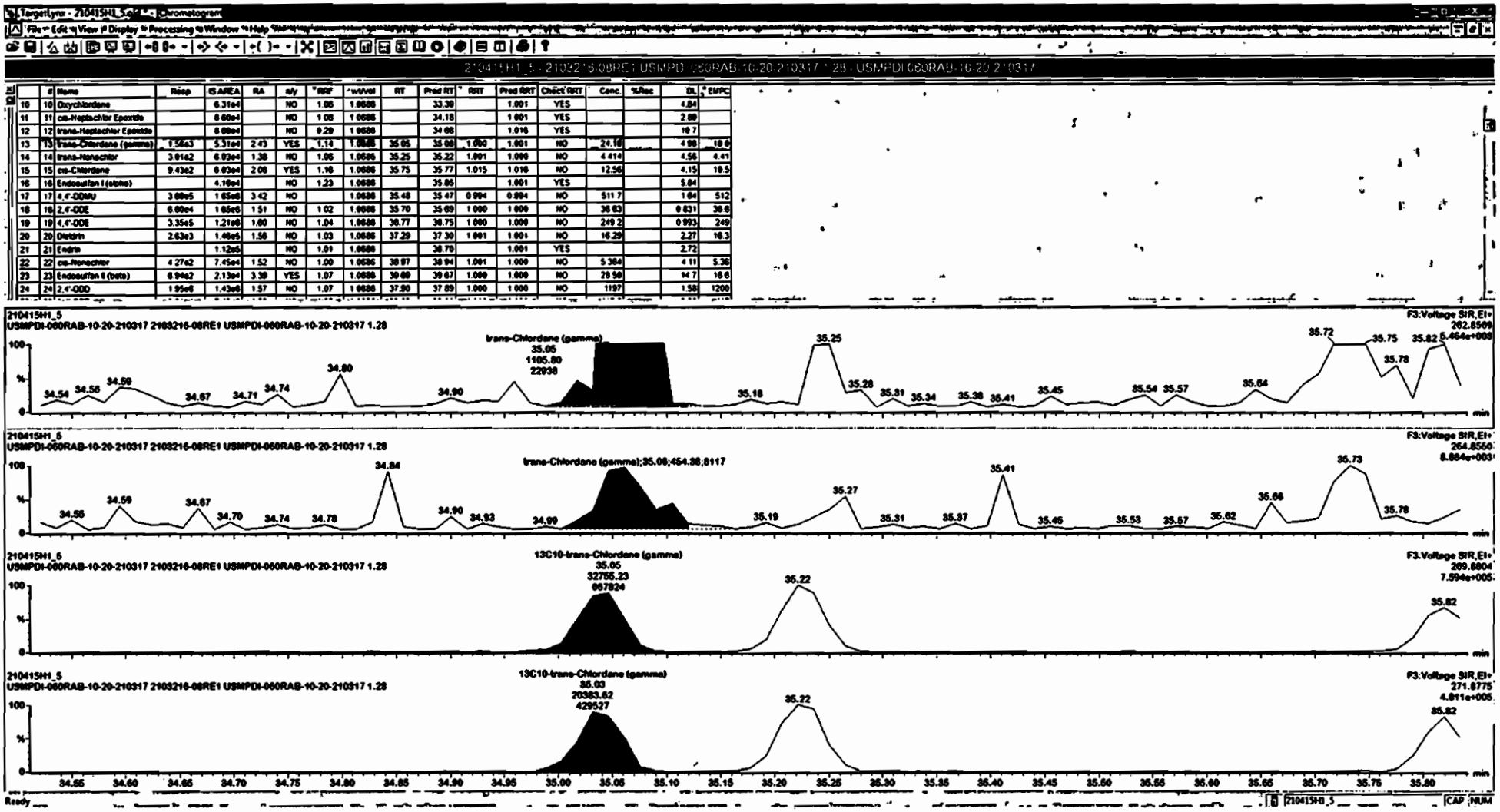
File Edit View Display Processing Window Help

210415H1_5 - 2103216-08RE1 USMPDI-060RAB-10-20-210317 1.28 - USMPDI-060RAB-10-20-210317

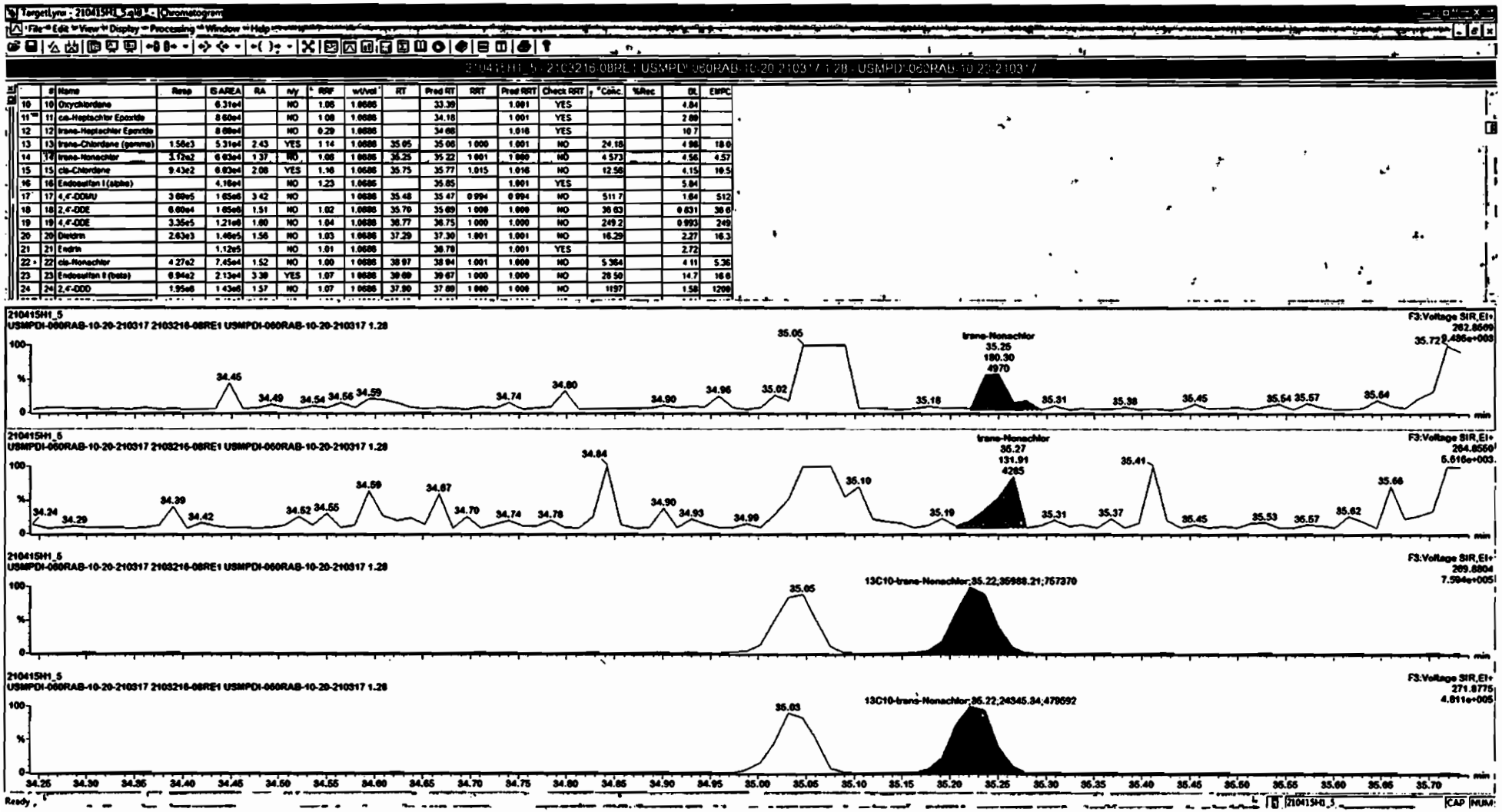
	#	Name	Resp	IS AREA	RA	h/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1	Hexachlorobutadiene	2.07e4	1.88e6	0.27	YES	0.10	1.0686	9.96	10.00	1.000	1.002	NO	1006		1.82	380
2	2	Hexachlorobenzene	2.72e4	1.22e6	1.39	NO	0.98	1.0686	22.69	22.69	1.001	1.000	NO	21.23		0.0587	21.2
3	3	Alpha-BHC	7.00e2	3.81e5	2.40	NO	0.83	1.0686	23.24	23.26	1.001	1.001	NO	2.074		2.43	2.07
4	4	Lindane (gamma-BHC)	4.52e2	2.98e5	2.89	YES	0.86	1.0686	26.55	26.58	0.999	1.000	NO	1.662		3.32	1.32
5	5	Beta-BHC	3.70e2	2.22e5	0.96	YES	1.00	1.0686	28.63	28.62	1.001	1.001	NO	1.562		3.10	1.13
6	6	Delta-BHC	4.38e2	2.76e5	1.98	NO	0.91	1.0686	30.19	30.26	0.998	1.001	NO	1.636		2.45	1.64
7	7	Heptachlor	4.53e2	1.89e5	0.33	YES	1.10	1.0686	28.72	28.74	1.001	1.001	NO	2.142		0.675	0.947
8	8	4,4'-DDNU	2.27e4	2.76e5	2.61	NO	1.25	1.0686	30.17	30.19	0.997	0.998	NO	61.60		3.84	61.6
9	9	Aldrin	6.23e2	1.10e5	2.68	YES	1.09	1.0686	30.83	30.82	1.001	1.001	NO	4.874		3.36	3.39
10	10	Oxychlordane		6.31e4		NO	1.08	1.0686		33.39		1.001	YES			4.84	
11	11	cis-Heptachlor Epoxide		8.60e4		NO	1.08	1.0686		34.18		1.001	YES			2.89	
12	12	trans-Heptachlor Epoxide		8.60e4		NO	0.29	1.0686		34.68		1.016	YES			10.7	
13	13	trans-Chlordane (gamma)	1.58e3	5.31e4	2.32	YES	1.14	1.0686	35.05	35.08	1.000	1.001	NO	24.44		4.98	18.8
14	14	trans-Nonachlor	3.01e2	6.03e4	1.38	NO	1.08	1.0686	35.25	35.22	1.001	1.000	NO	4.414		4.56	4.41
15	15	cis-Chlordane	9.43e2	6.03e4	2.08	YES	1.16	1.0686	35.75	35.77	1.015	1.016	NO	12.56		4.15	10.5



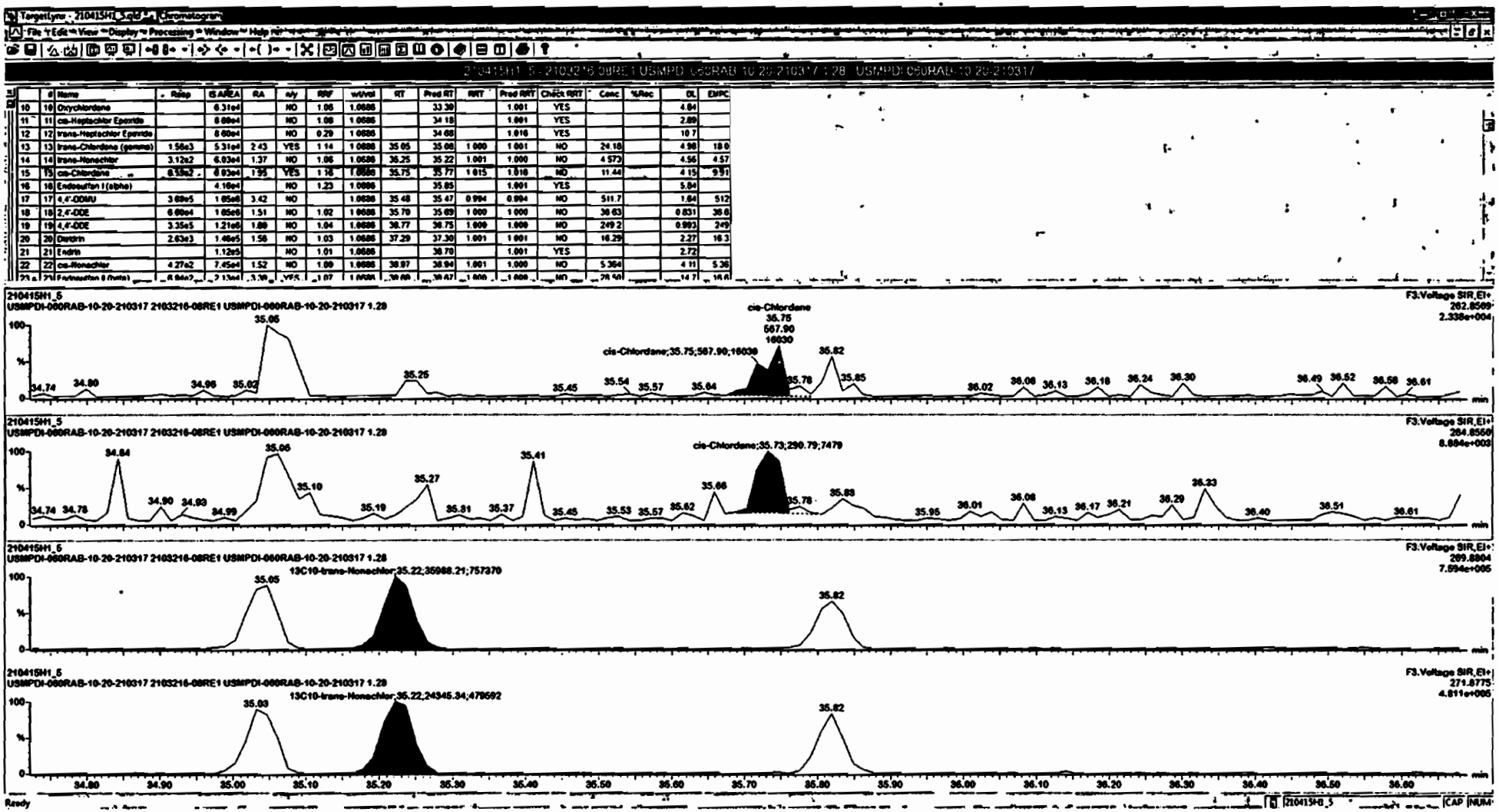
Ready 210415H1_5 CAP NUM



	#	Name	Resp	IS AREA	RA	o/y	RRF	w/vol	RT	Pred RT	RRT	Pred RRT	Chck RRT	Conc.	%Rec	DL	EMPC
10	10	Oxychlordane		6.31e4		NO	1.06	1.0000		33.30		1.001	YES			4.84	
11	11	cis-Heptachlor Epoxide		8.60e4		NO	1.08	1.0000		34.18		1.001	YES			2.89	
12	12	trans-Heptachlor Epoxide		8.09e4		NO	0.29	1.0000		34.66		1.016	YES			10.7	
13	13	trans-Chlordane (gamma)	1.56e3	5.31e4	2.43	YES	1.14	1.0000	35.05	35.08	1.000	1.001	NO	24.16		4.98	19.9
14	14	trans-Nonachlor	3.81e2	6.03e4	1.38	NO	1.06	1.0000	35.25	35.22	1.001	1.000	NO	4.414		4.56	4.41
15	15	cis-Chlordane	9.43e2	6.03e4	2.08	YES	1.16	1.0000	35.75	35.77	1.015	1.016	NO	12.56		4.15	16.5
16	16	Endosulfan I (alpha)		4.16e4		NO	1.23	1.0000		35.85		1.001	YES			5.84	
17	17	4,4'-DDMU	3.69e5	1.65e6	3.42	NO		1.0000	35.48	35.47	0.994	0.994	NO	511.7		1.64	512
18	18	2,4'-DDE	6.60e4	1.65e6	1.51	NO	1.02	1.0000	35.70	35.69	1.000	1.000	NO	36.63		0.831	36.6
19	19	4,4'-DDE	3.35e5	1.21e6	1.60	NO	1.04	1.0000	36.77	36.75	1.000	1.000	NO	249.2		0.993	249
20	20	Dieldrin	2.63e3	1.46e5	1.58	NO	1.03	1.0000	37.29	37.30	1.001	1.001	NO	16.29		2.27	16.3
21	21	Endrin		1.12e5		NO	1.01	1.0000		38.79		1.001	YES			2.72	
22	22	cis-Nonachlor	4.27e2	7.45e4	1.52	NO	1.00	1.0000	38.87	38.84	1.001	1.000	NO	5.384		4.11	5.38
23	23	Endosulfan II (beta)	6.94e2	2.13e4	3.39	YES	1.07	1.0000	39.69	39.67	1.009	1.009	NO	28.50		14.7	166
24	24	2,4'-DDD	1.95e6	1.43e6	1.57	NO	1.07	1.0000	37.90	37.89	1.000	1.000	NO	1197		1.58	1200



	#	Name	Resp	S AREA	RA	n/y	RRF	w/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
10	10	Oxychlordane		6.31e4		NO	1.06	1.0000		33.39		1.001	YES			4.84	
11	11	cis-Heptachlor Epoxide		8.60e4		NO	1.08	1.0000		34.18		1.001	YES			2.89	
12	12	trans-Heptachlor Epoxide		8.68e4		NO	0.29	1.0000		34.68		1.016	YES			10.7	
13	13	trans-Chlordane (gamma)	1.58e3	5.31e4	2.43	YES	1.14	1.0000	35.05	35.06	1.000	1.001	NO	24.18		4.98	18.0
14	14	trans-Nonachlor	3.72e2	6.93e4	1.37	NO	1.08	1.0000	35.25	35.22	1.001	1.000	NO	4.573		4.56	4.57
15	15	cis-Chlordane	9.43e2	6.83e4	2.08	YES	1.16	1.0000	35.75	35.77	1.015	1.016	NO	12.56		4.15	10.5
16	16	Endosulfan I (alpha)		4.16e4		NO	1.23	1.0000		35.85		1.001	YES			5.84	
17	17	4,4'-DDMU	3.69e5	1.65e6	3.42	NO		1.0000	35.48	35.47	0.994	0.994	NO	511.7		1.84	512
18	18	2,4'-DDE	6.60e4	1.65e6	1.51	NO	1.02	1.0000	35.70	35.69	1.000	1.000	NO	36.63		0.831	36.6
19	19	4,4'-DDE	3.35e5	1.21e6	1.00	NO	1.04	1.0000	36.77	36.75	1.000	1.000	NO	249.2		0.993	249
20	20	Dieldrin	2.63e3	1.46e5	1.56	NO	1.03	1.0000	37.29	37.30	1.001	1.001	NO	16.29		2.27	16.3
21	21	Endrin		1.12e5		NO	1.01	1.0000		36.78		1.001	YES			2.72	
22	22	cis-Nonachlor	4.27e2	7.45e4	1.52	NO	1.00	1.0000	38.97	38.94	1.001	1.000	NO	5.364		4.11	5.36
23	23	Endosulfan II (beta)	6.94e2	2.13e4	3.39	YES	1.07	1.0000	39.69	39.67	1.000	1.000	NO	26.50		14.7	16.6
24	24	2,4'-DDD	1.95e6	1.43e6	1.57	NO	1.07	1.0000	37.90	37.89	1.000	1.000	NO	1197		1.58	1200



	#	Name	Resp	IS AREA	RA	a/y	RRF	w/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
10	10	Oxychlordane		6.31e4		NO	1.06	1.0686		33.39		1.001	YES			4.84	
11	11	cis-Heptachlor Epoxide		8.69e4		NO	1.06	1.0686		34.18		1.001	YES			2.89	
12	12	trans-Heptachlor Epoxide		8.60e4		NO	0.29	1.0686		34.66		1.016	YES			10.7	
13	13	trans-Chlordane (gamma)	1.56e3	5.31e4	2.43	YES	1.14	1.0686	35.05	35.06	1.000	1.001	NO	24.18		4.98	18.0
14	14	trans-Nonachlor	3.12e2	6.03e4	1.37	NO	1.06	1.0686	35.25	35.22	1.001	1.000	NO	4.573		4.56	4.57
15	15	cis-Chlordane	8.53e2	8.93e4	1.95	YES	1.16	1.0686	35.75	35.77	1.015	1.016	NO	11.44		4.15	9.91
16	16	Endosulfan I (alpha)		4.16e4		NO	1.23	1.0686		35.85		1.001	YES			5.84	
17	17	4,4'-DDMU	3.69e5	1.05e6	3.42	NO		1.0686	35.48	35.47	0.994	0.994	NO	511.7		1.84	512
18	18	2,4'-DDE	6.60e4	1.05e6	1.51	NO	1.02	1.0686	35.70	35.69	1.000	1.000	NO	36.63		0.831	36.6
19	19	4,4'-DDE	3.35e5	1.21e6	1.89	NO	1.04	1.0686	36.77	36.75	1.000	1.000	NO	249.2		0.993	249
20	20	Dieldrin	2.63e3	1.46e5	1.56	NO	1.03	1.0686	37.29	37.30	1.001	1.001	NO	16.29		2.27	16.3
21	21	Endrin		1.12e5		NO	1.01	1.0686		38.70		1.001	YES			2.72	
22	22	cis-Nonachlor	4.27e2	7.45e4	1.52	NO	1.00	1.0686	38.97	38.94	1.001	1.000	NO	5.364		4.11	5.36
23	23	Endosulfan II (beta)	8.94e2	2.13e4	3.39	YES	1.07	1.0686	39.68	39.67	1.000	1.000	NO	28.58		14.7	19.0

Dataset: Untitled

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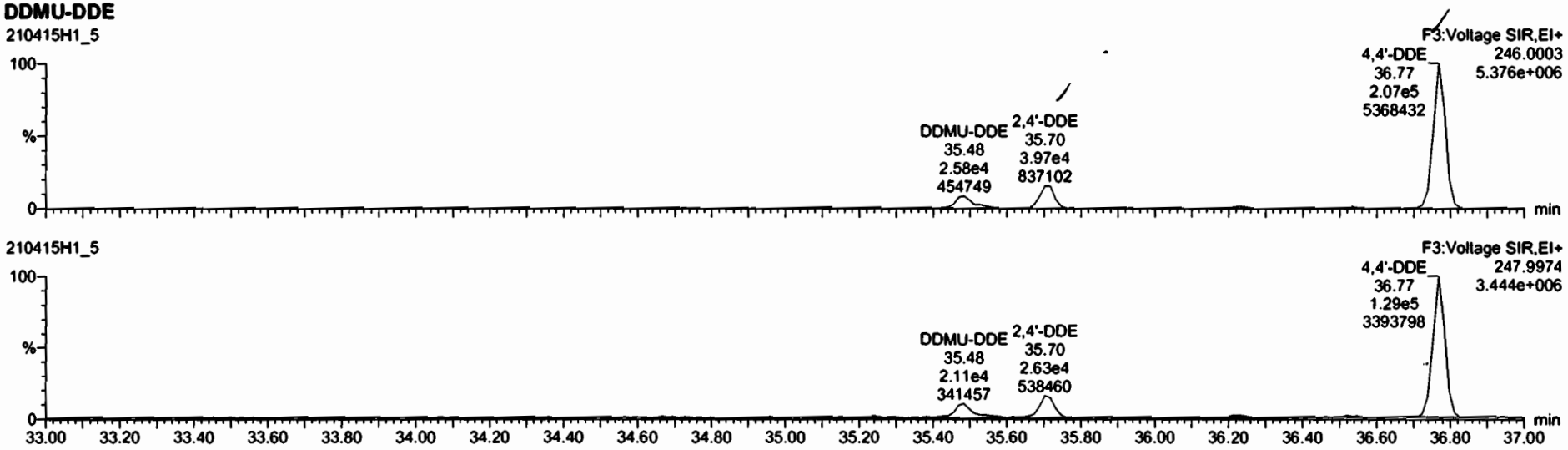
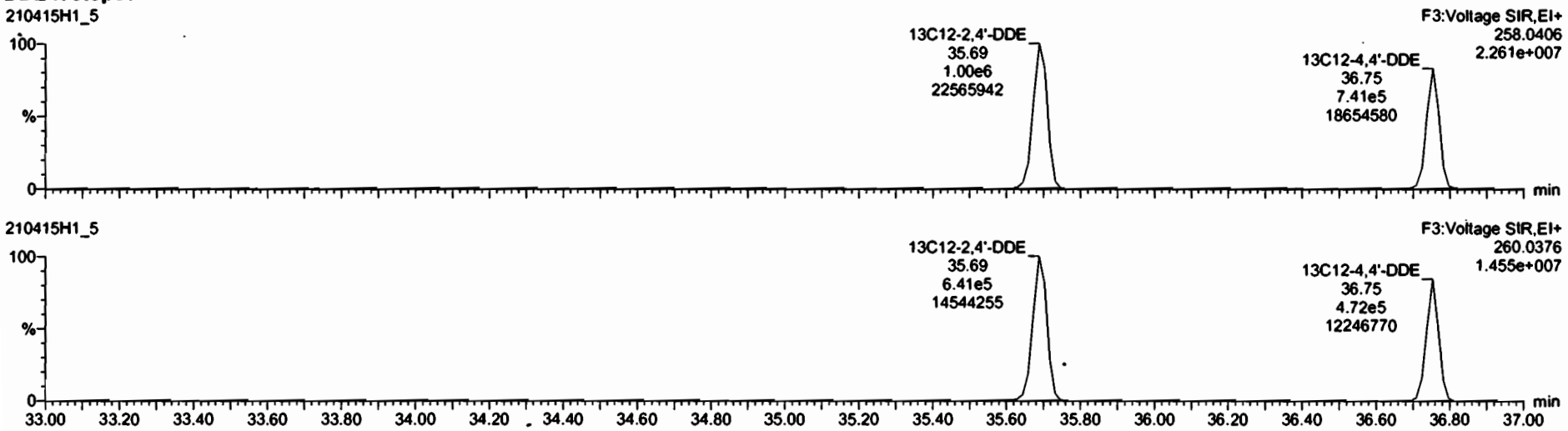
Name: 210415H1_5, Date: 15-Apr-2021, Time: 12:52:28, ID: 2103216-08RE1 USMPDI-060RAB-10-20-210317 1.28, Description: USMPDI-060RAB-10-20-210317

DDMU-DDE



DDE-isotopes



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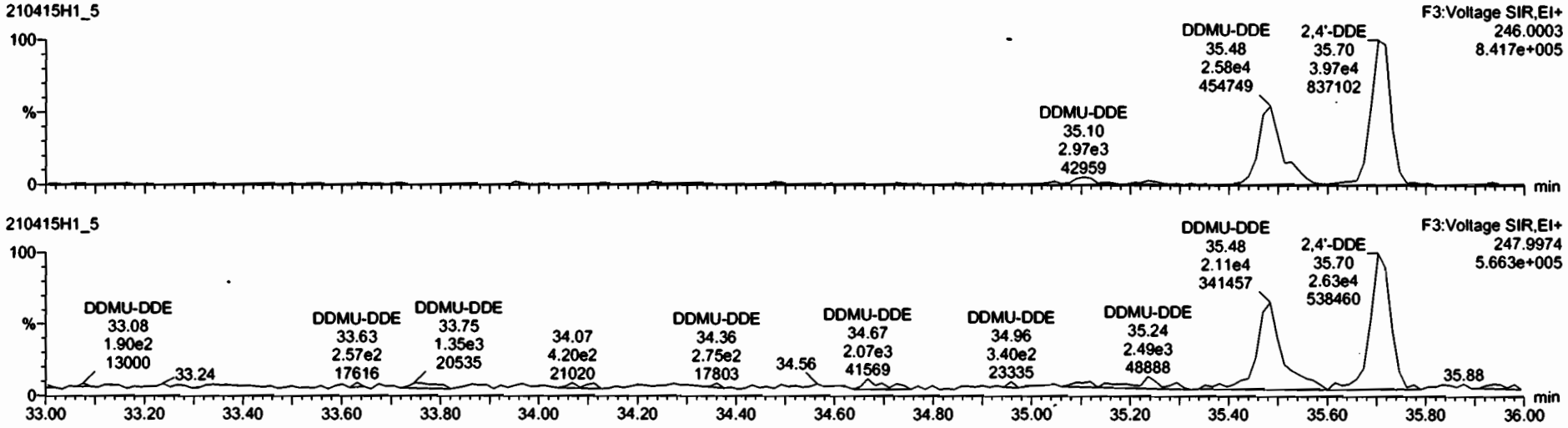
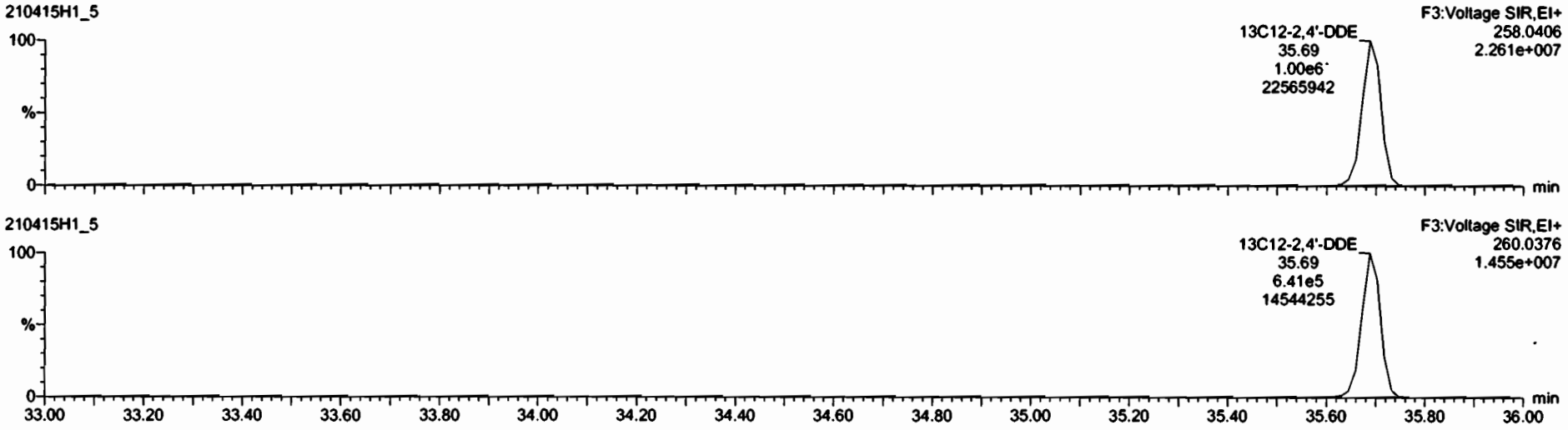
Name: 210415H1_5, Date: 15-Apr-2021, Time: 12:52:28, ID: 2103216-08RE1 USMPDI-060RAB-10-20-210317 1.28, Description: USMPDI-060RAB-10-20-210317

2,4'-DDE



13C12-2,4'-DDE



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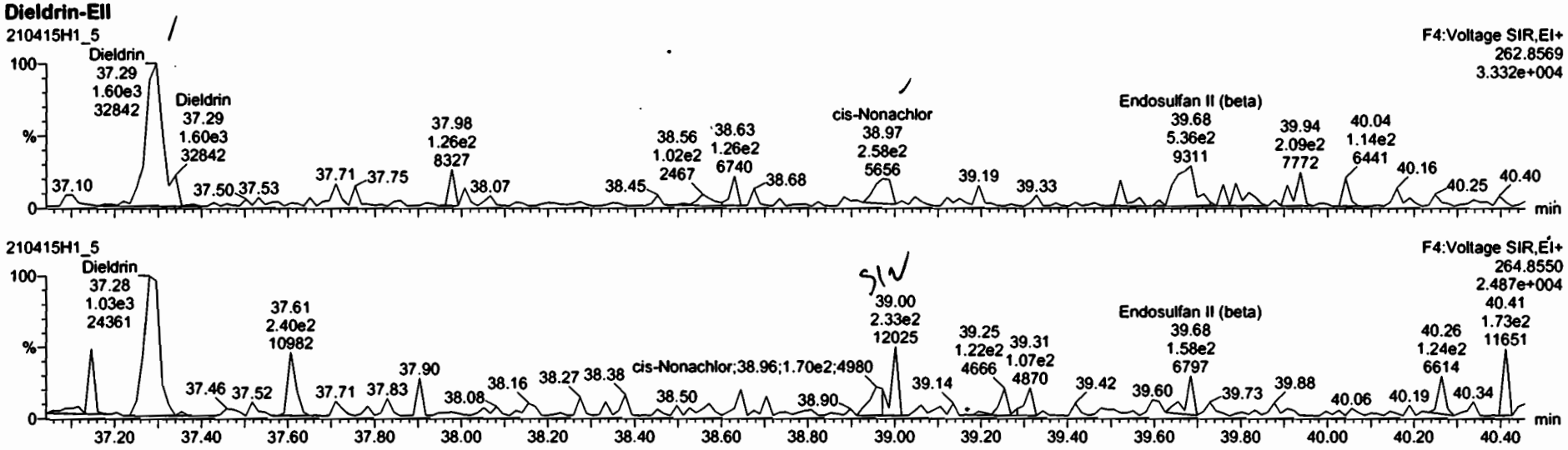
Dieldrin-EII



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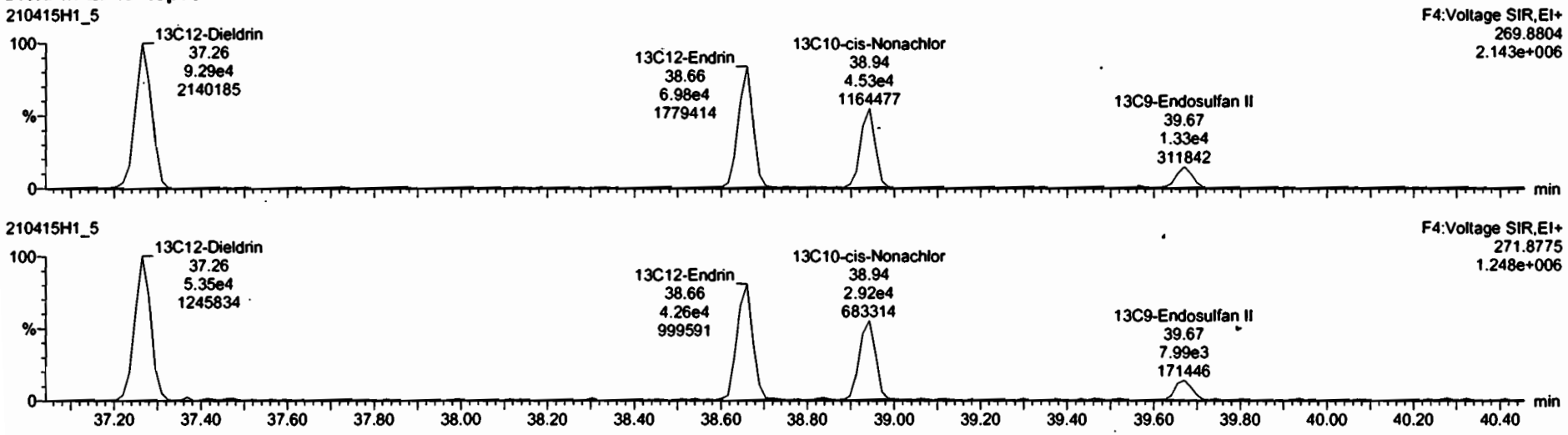
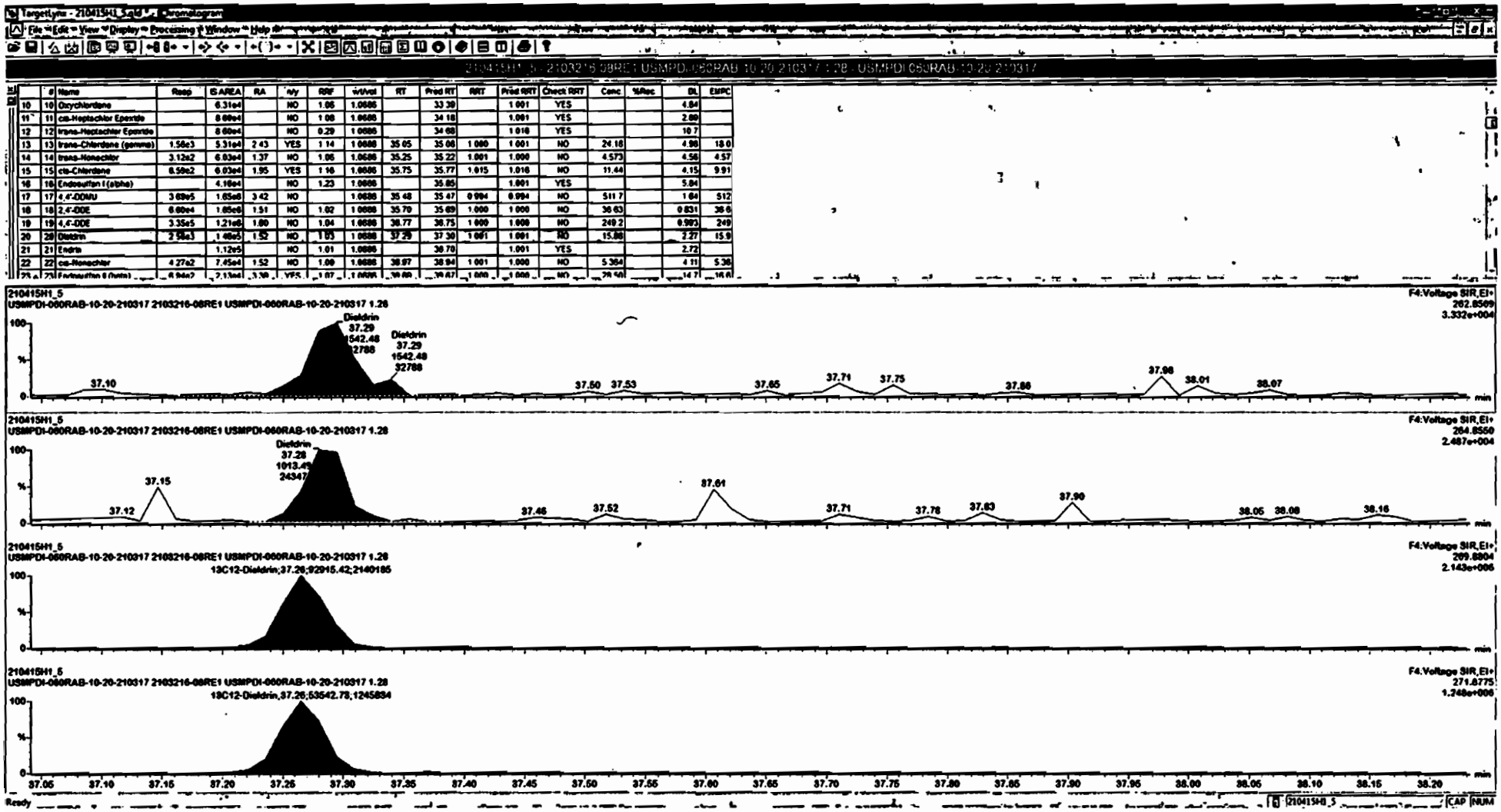
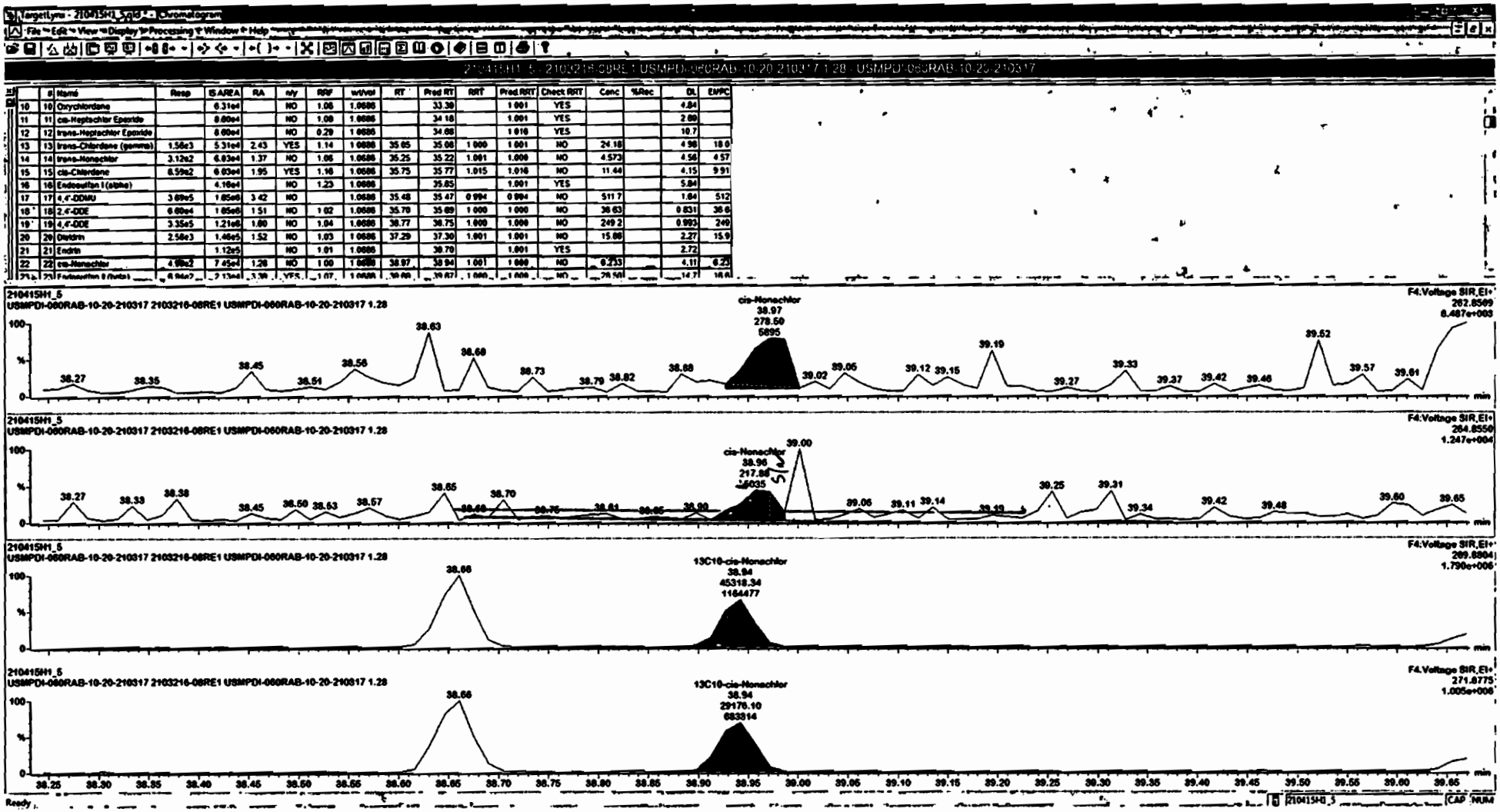




	#	Name	Resp	IS AREA	RA	Qty	RRF	wtVal	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
10	10	Oxychlordane		6.31e4		NO	1.06	1.0686		33.39		1.001	YES			4.84	
11	11	cis-Heptachlor Epoxide		8.69e4		NO	1.08	1.0686		34.18		1.001	YES			2.89	
12	12	trans-Heptachlor Epoxide		8.60e4		NO	0.29	1.0686		34.68		1.016	YES			10.7	
13	13	trans-Chlordane (gamma)	1.56e3	5.31e4	2.43	YES	1.14	1.0686	35.05	35.06	1.000	1.001	NO	24.18		4.98	18.0
14	14	trans-Nonachlor	3.12e2	6.83e4	1.37	NO	1.06	1.0686	35.25	35.22	1.001	1.000	NO	4.573		4.56	4.57
15	15	cis-Chlordane	8.59e2	6.03e4	1.95	YES	1.16	1.0686	35.75	35.77	1.015	1.016	NO	11.44		4.15	9.91
16	16	Endosulfan I (alpha)		4.16e4		NO	1.23	1.0686		35.85		1.001	YES			5.84	
17	17	4,4'-DDMU	3.69e5	1.65e6	3.42	NO		1.0686	35.48	35.47	0.994	0.994	NO	511.7		1.84	512
18	18	2,4'-DDE	6.60e4	1.65e6	1.51	NO	1.02	1.0686	35.70	35.69	1.000	1.000	NO	36.63		0.831	36.6
19	19	4,4'-DDE	3.35e5	1.21e6	1.80	NO	1.04	1.0686	36.77	36.75	1.000	1.000	NO	249.2		0.993	249
20	20	Dieldrin	2.54e3	1.46e5	1.52	NO	1.03	1.0686	37.29	37.30	1.001	1.001	NO	15.86		2.27	15.9
21	21	Endrin		1.12e5		NO	1.01	1.0686		38.70		1.001	YES			2.72	
22	22	cis-Nonachlor	4.27e2	7.45e4	1.52	NO	1.00	1.0686	38.97	38.94	1.001	1.000	NO	5.364		4.11	5.36
23	23	Endosulfan II (beta)	6.94e2	2.13e4	3.39	YES	1.07	1.0686	39.69	39.67	1.000	1.000	NO	29.46		14.7	16.6



	#	Name	Resp	IS AREA	RA	qly	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
10	10	Oxychlordane		6.31e4		NO	1.06	1.0000		33.39		1.001	YES			4.84	
11	11	cis-Heptachlor Epoxide		8.80e4		NO	1.09	1.0000		34.18		1.001	YES			2.89	
12	12	trans-Heptachlor Epoxide		8.60e4		NO	0.29	1.0000		34.66		1.016	YES			10.7	
13	13	trans-Chlordane (gamma)	1.56e3	5.31e4	2.43	YES	1.14	1.0000	35.05	35.08	1.000	1.001	NO	24.18		4.98	18.0
14	14	trans-Nonachlor	3.12e2	6.83e4	1.37	NO	1.06	1.0000	35.25	35.22	1.001	1.000	NO	4.573		4.56	4.57
15	15	cis-Chlordane	6.59e2	6.83e4	1.95	YES	1.16	1.0000	35.75	35.77	1.015	1.016	NO	11.44		4.15	9.91
16	16	Endosulfan I (alpha)		4.16e4		NO	1.23	1.0000		35.85		1.001	YES			5.84	
17	17	4,4'-DDMU	3.69e5	1.85e6	3.42	NO		1.0000	35.48	35.47	0.994	0.994	NO	511.7		1.84	512
18	18	2,4'-DDE	6.60e4	1.85e6	1.51	NO	1.02	1.0000	35.70	35.69	1.000	1.000	NO	36.63		0.831	36.6
19	19	4,4'-DDE	3.35e5	1.21e6	1.80	NO	1.04	1.0000	36.77	36.75	1.000	1.000	NO	249.2		0.993	249
20	20	Dieldrin	2.58e3	1.46e5	1.52	NO	1.03	1.0000	37.29	37.30	1.001	1.001	NO	15.86		2.27	15.9
21	21	Endrin		1.12e5		NO	1.01	1.0000		38.70		1.001	YES			2.72	
22	22	cis-Nonachlor	4.98e2	7.45e4	1.26	NO	1.00	1.0000	38.97	38.94	1.001	1.000	NO	6.233		4.11	6.23
23	23	Endosulfan II (beta)	6.94e2	2.13e4	3.38	YES	1.07	1.0000	39.68	39.67	1.000	1.000	NO	29.58		14.7	16.6

Dataset: Untitled

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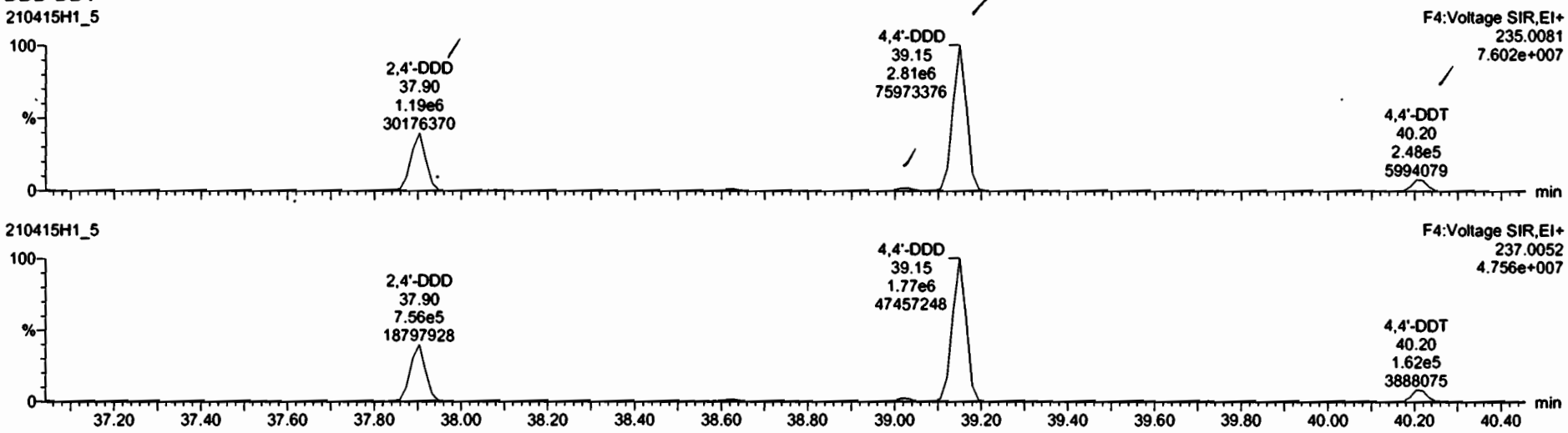
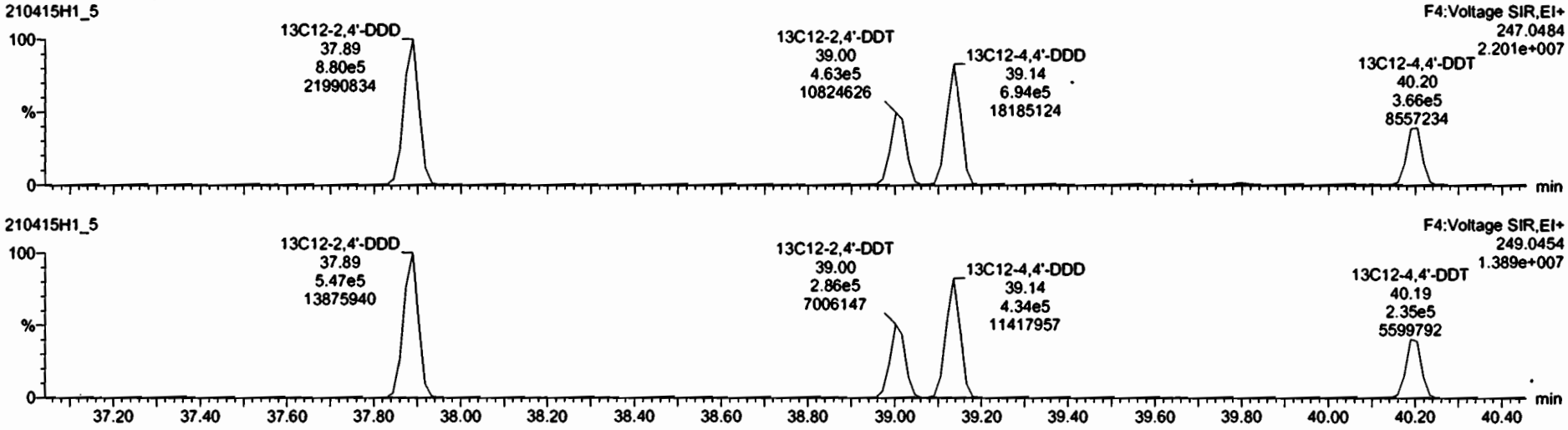
Name: 210415H1_5, Date: 15-Apr-2021, Time: 12:52:28, ID: 2103216-08RE1 USMPDI-060RAB-10-20-210317 1.28, Description: USMPDI-060RAB-10-20-210317

DDD-DDT



DDD-DDT-Isotopes

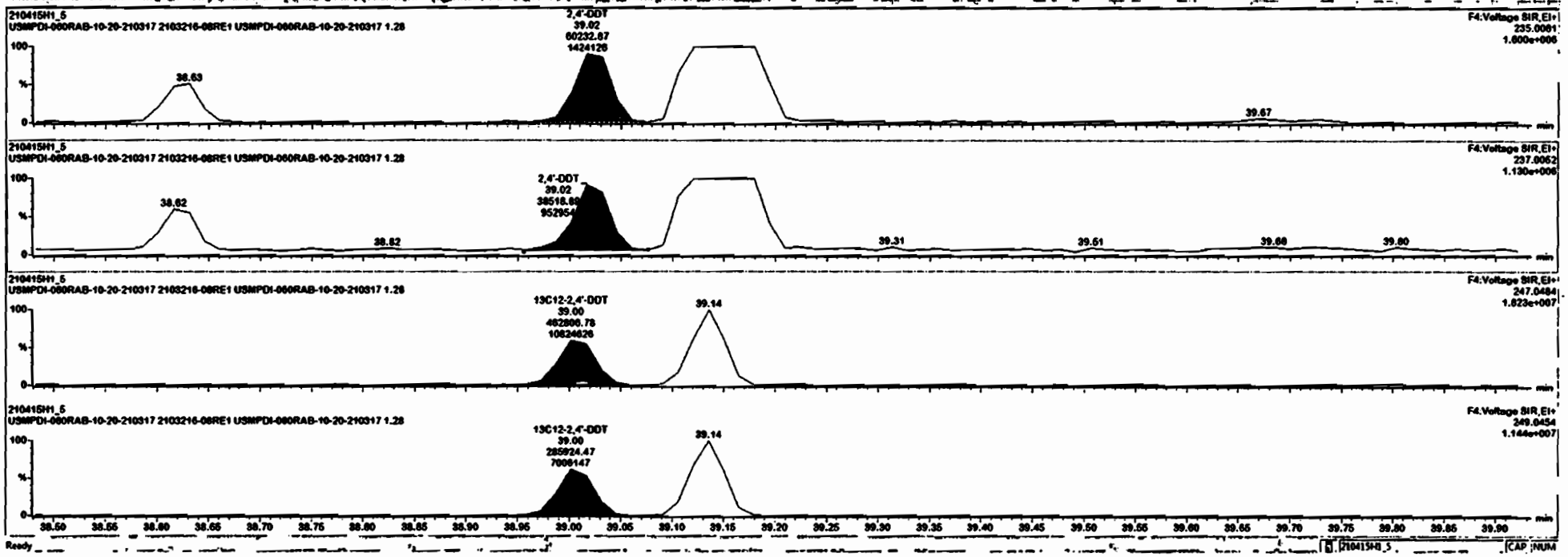


TargetLynx - 210415H1_5.qld - Chromatogram

File Edit View Display Processing Window Help

210415H1_5 - 2103216-08RE1 USMPDI-060RAB-10-20-210317 1.28 USMPDI-060RAB-10-20-210317

#	#	Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
23	23	Endosulfan II (beta)	6.94e2	2.13e4	3.39	YES	1.07	1.0686	39.69	39.67	1.000	1.000	NO	28.50		14.7	16.6
24	24	2,4'-DDD	1.95e6	1.43e6	1.57	NO	1.07	1.0686	37.90	37.89	1.000	1.000	NO	1197		1.58	1200
25	25	2,4'-DDT	9.88e4	7.49e5	1.58	NO	1.05	1.0686	39.02	39.00	1.000	1.000	NO	117.9		3.28	118
26	26	4,4'-DDD	4.58e6	1.13e6	1.59	NO	1.16	1.0686	39.15	39.13	1.000	1.000	NO	3263		1.75	3260
27	27	4,4'-DDT	4.10e5	6.01e5	1.53	NO	1.13	1.0686	40.20	40.24	1.000	1.001	NO	563.5		3.79	563
28	28	Endosulfan Sulfate		2.25e4		NO	1.04	1.0686		41.36		1.000	YES			9.89	
29	29	4,4'-Methoxychlor		5.09e6		NO	1.22	1.0686		43.24		1.000	YES			4.95	
30	30	Mirex		2.74e5		NO	1.03	1.0686		43.89		1.001	YES			0.733	
31	31	Endrin Aldehyde		1.91e5		NO	1.03	1.0686		40.78		1.000	YES			13.6	
32	32	Endrin Ketone		3.00e5		NO	0.93	1.0686		43.98		1.000	YES			8.41	
33	33	13C4-Hexachlorobutadi...	1.86e6	2.03e6	1.29	NO	0.16	1.0686	9.98	9.97	0.383	0.383	NO	5408	57.8	0.362	
34	34	13C6-Hexachlorobenze...	1.22e6	2.03e6	1.29	NO	0.87	1.0686	22.68	22.69	0.870	0.871	NO	650.0	69.5	0.0447	
35	35	13C6-Alpha-BHC	3.81e5	2.03e6	0.77	NO	0.26	1.0686	23.23	23.21	0.891	0.891	NO	682.5	72.9	1.79	
36	36	13C6-Lindane (gamma)	2.96e5	2.03e6	0.79	NO	0.19	1.0686	26.57	26.55	1.020	1.019	NO	706.8	75.5	2.39	



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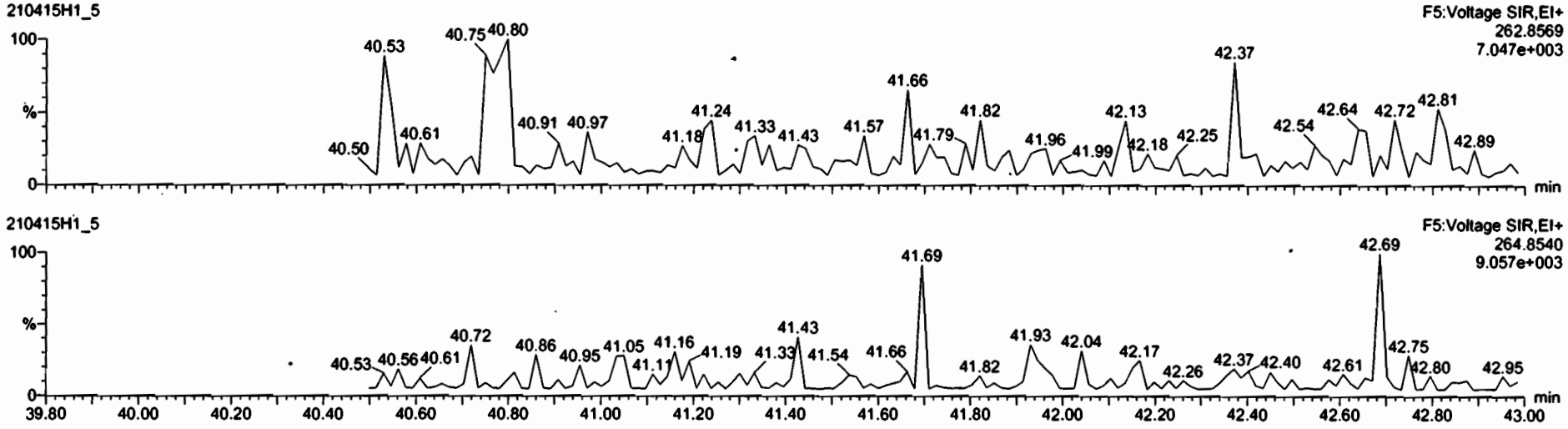
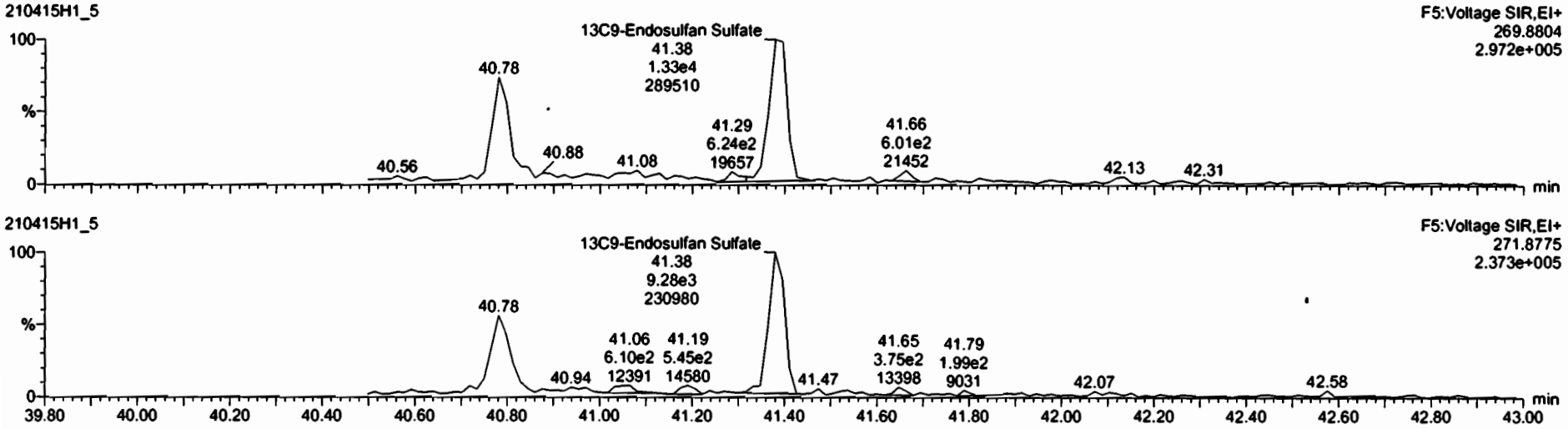
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_5, Date: 15-Apr-2021, Time: 12:52:28, ID: 2103216-08RE1 USMPDI-060RAB-10-20-210317 1.28, Description: USMPDI-060RAB-10-20-210317

Endosulfan Sulfate



13C9-Endosulfan Sulfate



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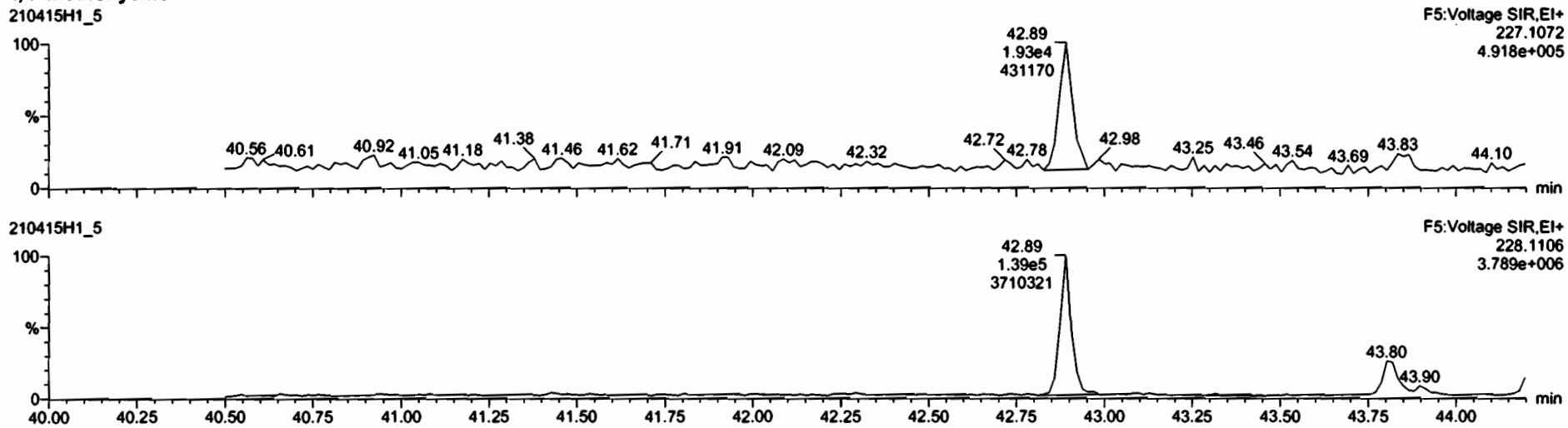
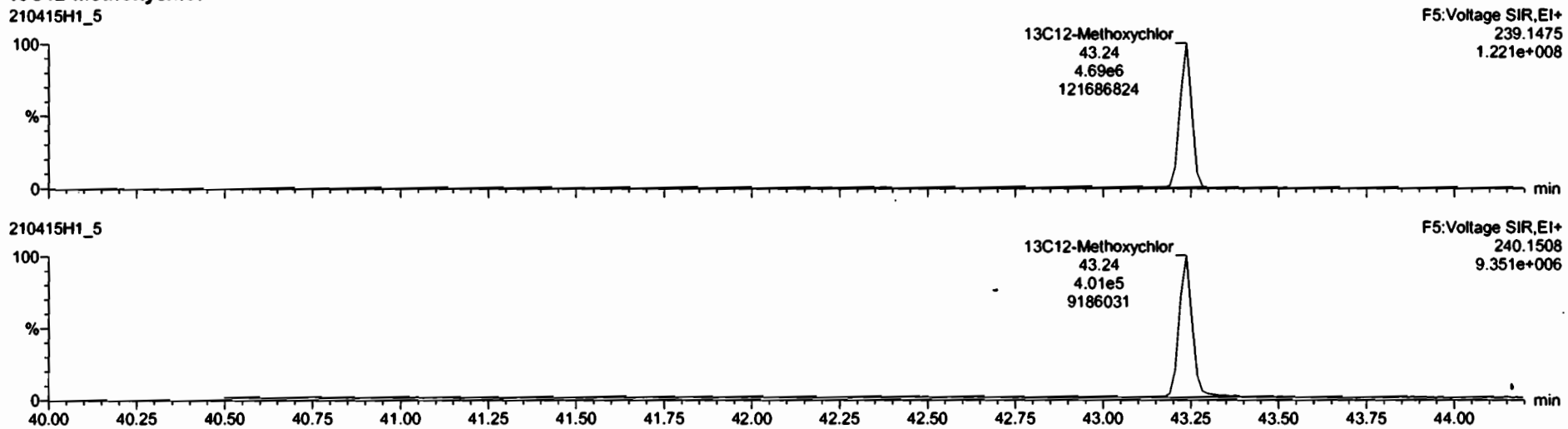
4,4'-Methoxychlor



13C12-Methoxychlor



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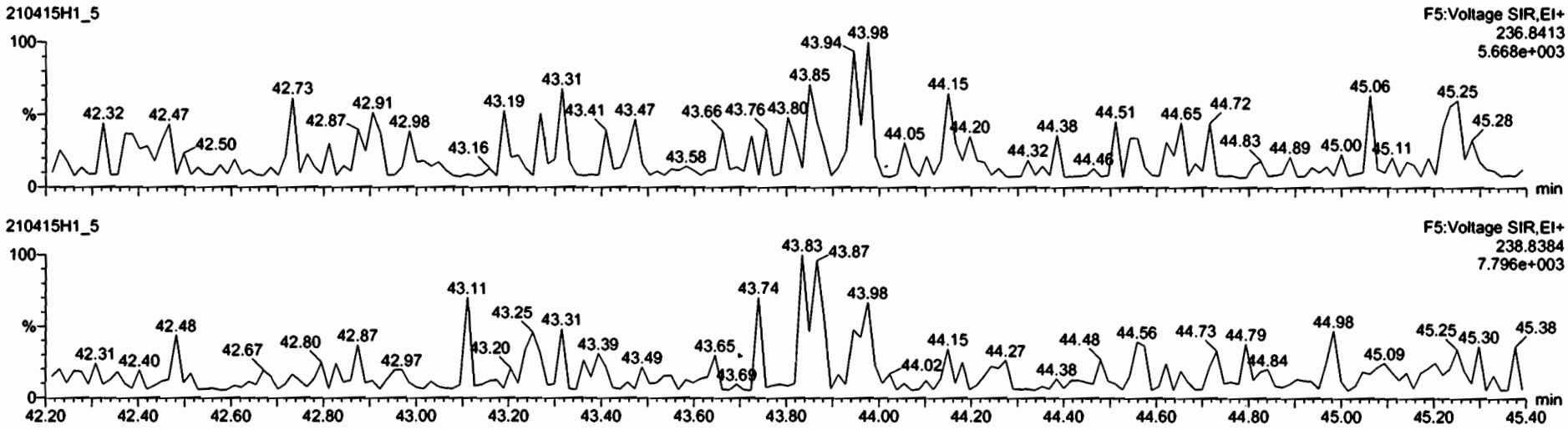
Mirex



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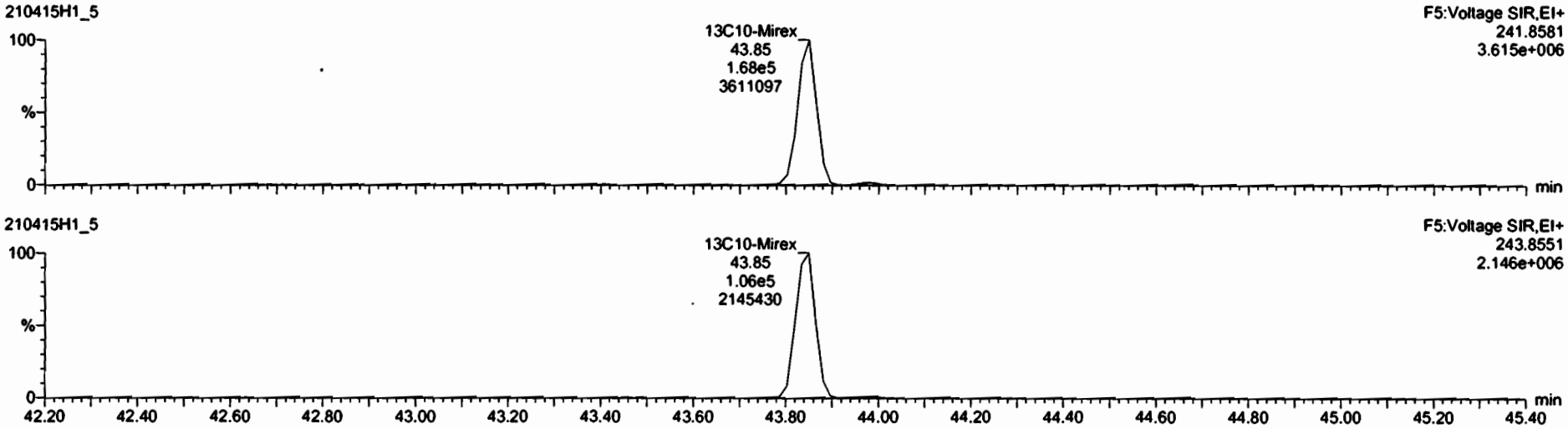

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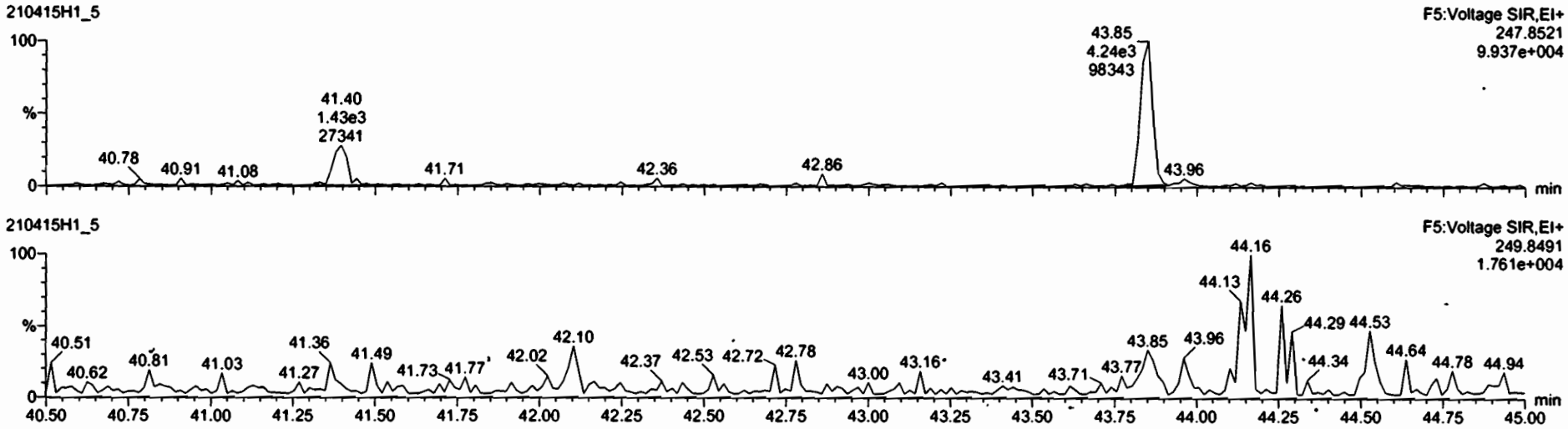
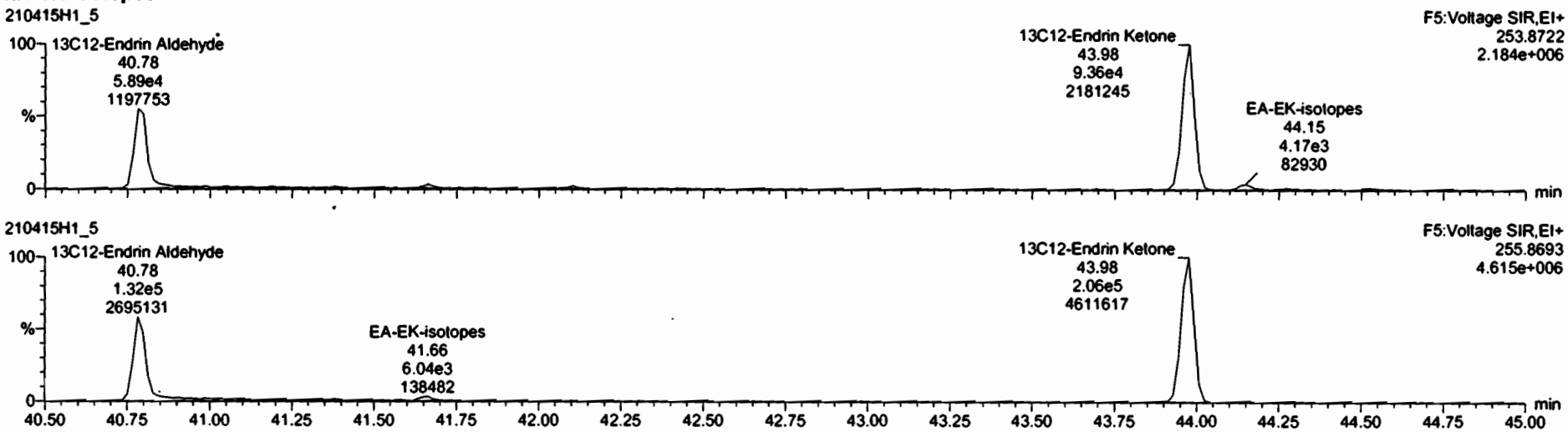
EA-EK



EA-EK-isotopes



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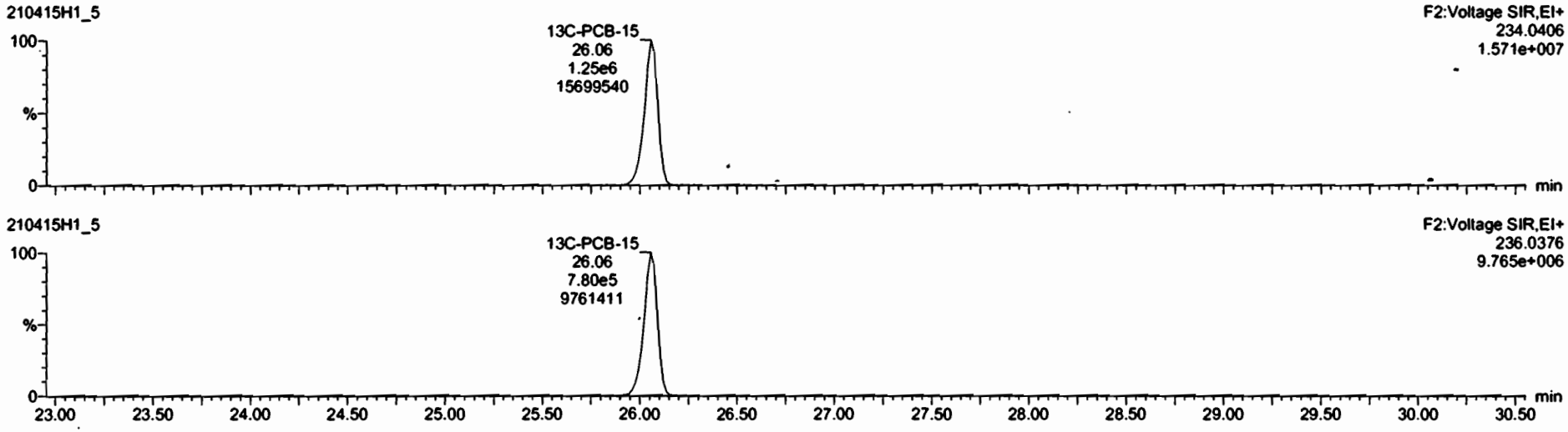
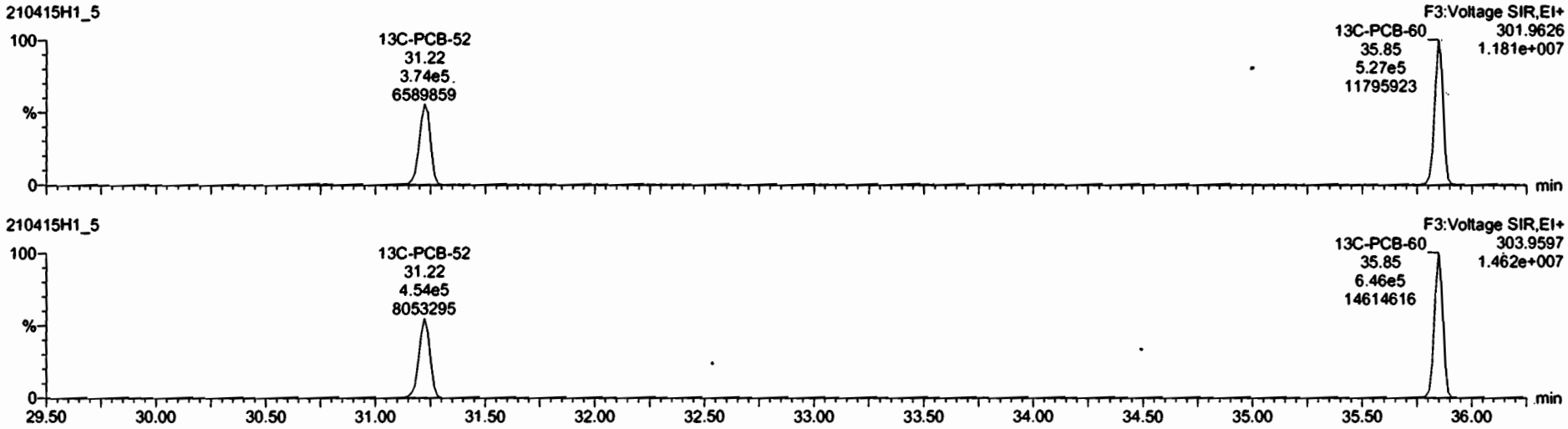
13C-PCB-15



13C-PCB-60



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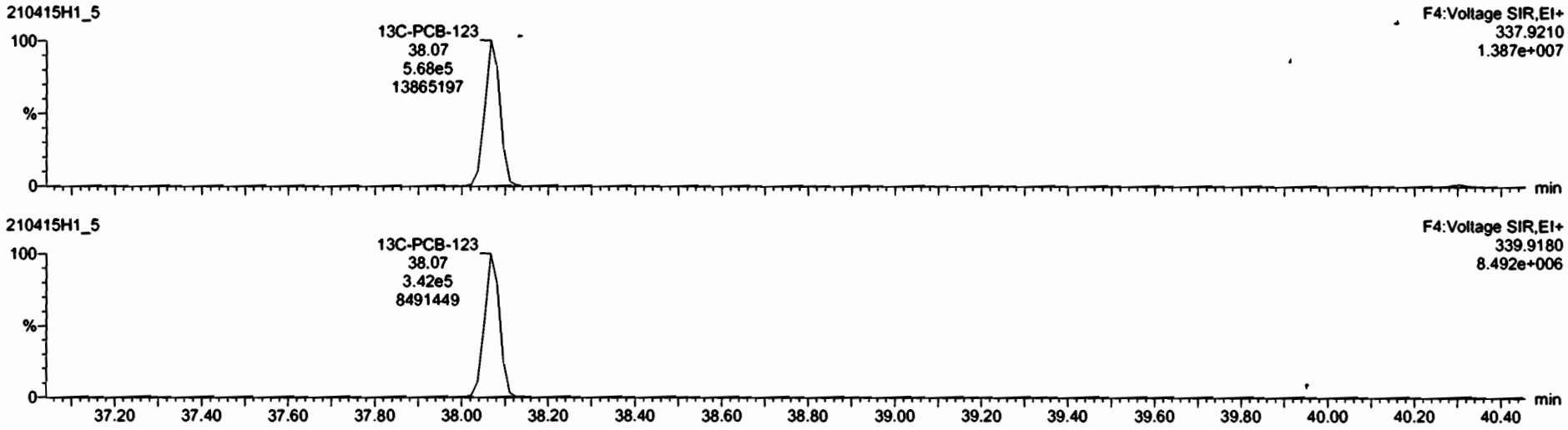
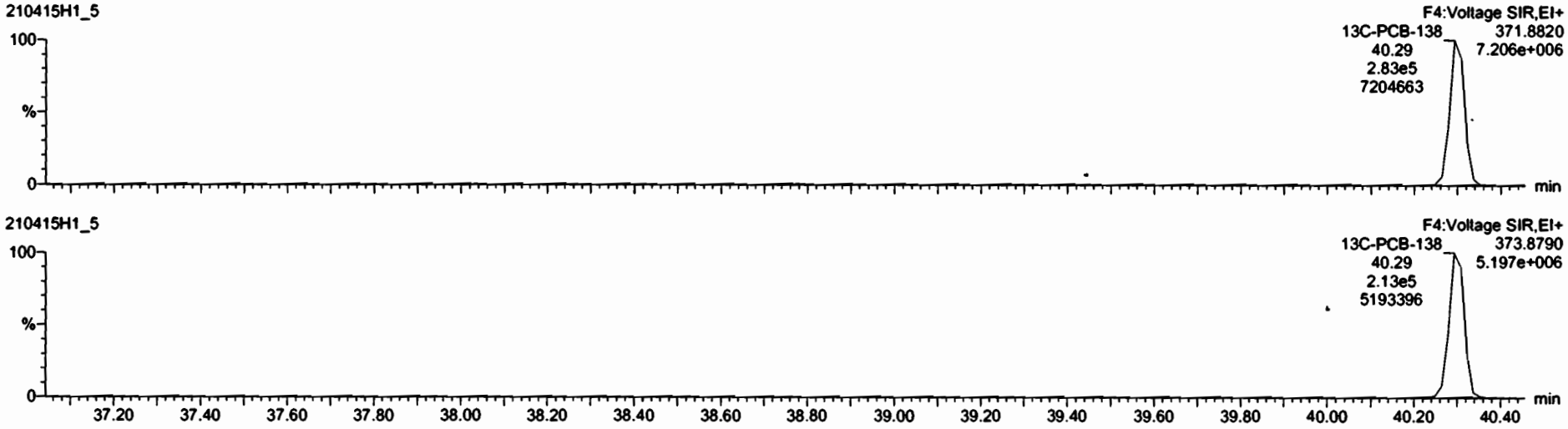
13C-PCB-123



13C-PCB-138



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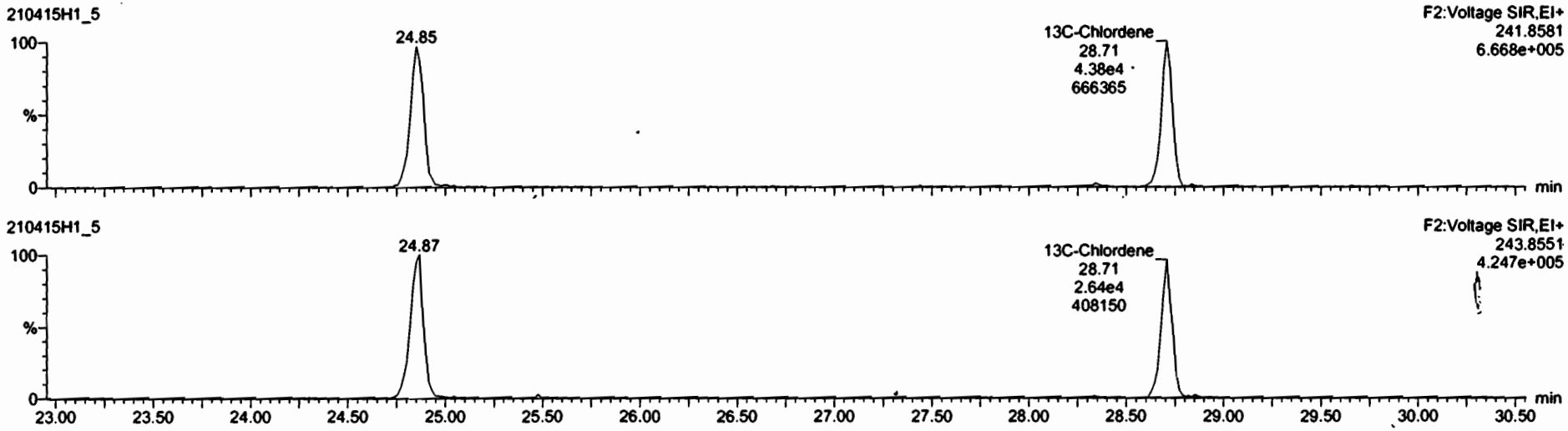
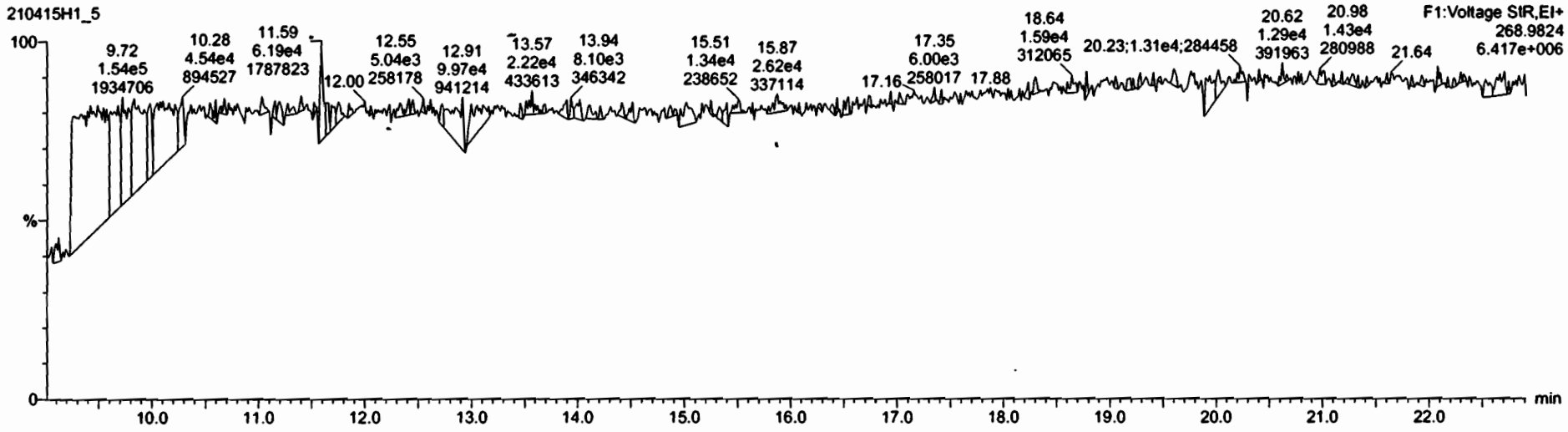
13C-Chlordene



PFK1



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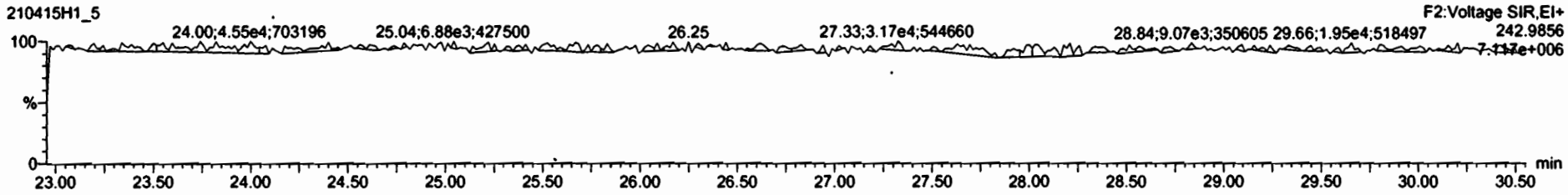
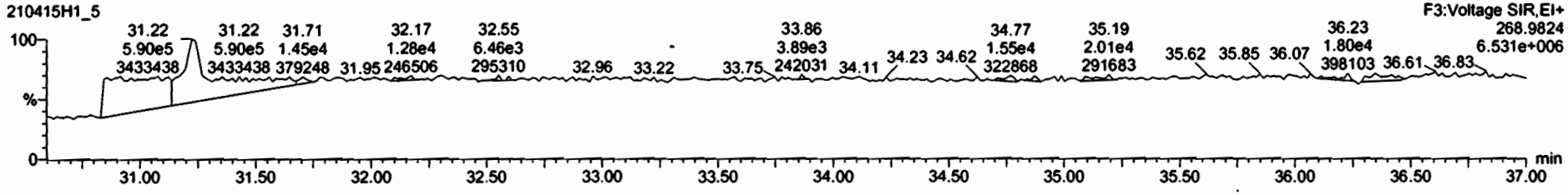
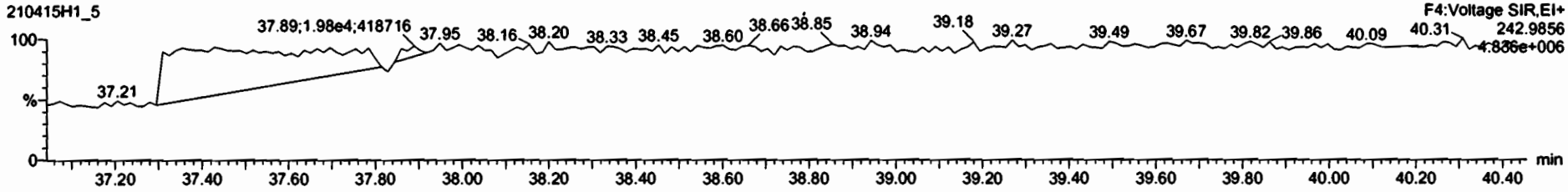
PFK2



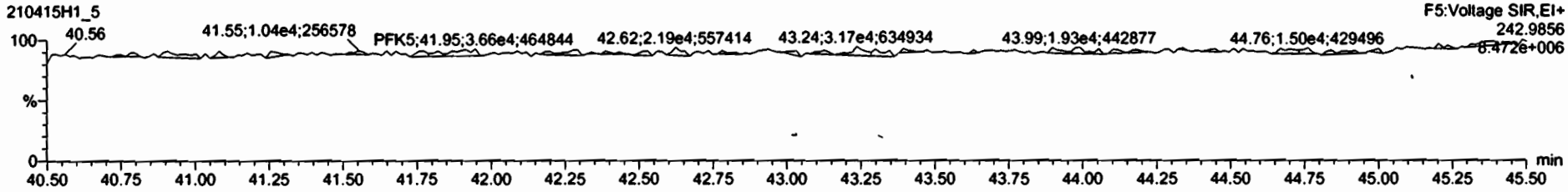
PFK3



PFK4



PFK5



Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_6.qld

Last Altered: Wednesday, April 28, 2021 3:24:10 PM Pacific Daylight Time
Printed: Wednesday, April 28, 2021 3:24:43 PM Pacific Daylight Time

OC 04/28/21
DJ 04/28/21

CT 05/03/2021

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210415H1_6, Date: 15-Apr-2021, Time: 13:40:45, ID: B1D0036-DUP1 Duplicate 1.45, Description: Duplicate, Task: ST210415H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	4	Lindane (gamma-...		2.76e5		NO	0.860	1.219			1.000	YES			2.82	
2	9	Aldrin	3.07e2	7.72e4	1.99	YES	1.09	1.219	30.84	1.002	1.001	NO	2.9882		~~2.69~~	2.56
3	10	Oxychlordane		6.52e4		NO	1.06	1.219			1.001	YES			2.36	
4	13	trans-Chlordane (g...	1.59e3	5.44e4	2.37	YES	1.14	1.219	35.06	1.001	1.001	NO	21.095		~~2.86~~	16.0
5	14	trans-Nonachlor	5.12e2	5.69e4	1.34	NO	1.06	1.219	35.24	1.000	1.000	NO	6.9704		2.63	6.97
6	15	cis-Chlordane		5.69e4		NO	1.16	1.219			1.016	YES			2.39	
7	18	2,4'-DDE	6.16e4	1.63e6	1.40	NO	1.02	1.219	35.70	1.000	1.000	NO	30.276		0.782	30.3
8	19	4,4'-DDE	2.94e5	1.20e6	1.60	NO	1.04	1.219	36.77	1.000	1.000	NO	194.38		0.938	194
9	20	Dieldrin	3.58e3	1.37e5	1.41	NO	1.03	1.219	37.28	1.000	1.001	NO	20.833		2.63	20.8
10	22	cis-Nonachlor		7.09e4		NO	1.00	1.219			1.000	YES			5.33	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_6.qld

Last Altered: Wednesday, April 28, 2021 3:24:10 PM Pacific Daylight Time
Printed: Wednesday, April 28, 2021 3:24:52 PM Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210415H1_6, Date: 15-Apr-2021, Time: 13:40:45, ID: B1D0036-DUP1 Duplicate 1.45, Description: Duplicate, Task: ST210415H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred RRT	CheckRRT	Conc	%Rec	DL	EMPC
1	24	2,4'-DDD	1.54e6	1.38e6	1.56	NO	1.07	1.219	37.90	1.000	1.000	NO	856.96		1.52	857
2	25	2,4'-DDT	1.68e5	7.18e5	1.53	NO	1.05	1.219	39.02	1.000	1.000	NO	183.11		2.86	183
3	26	4,4'-DDD	3.46e6	1.07e6	1.57	NO	1.16	1.219	39.15	1.000	1.000	NO	2268.3		1.77	2270
4	27	4,4'-DDT	3.94e5	5.45e5	1.55	NO	1.13	1.219	40.20	1.000	1.001	NO	523.66		3.53	524
5	36	13C6-Lindane (ga...	2.76e5	1.93e6	0.80	NO	0.194	1.219	26.57	1.020	1.019	NO	607.80	74.1	2.75	
6	40	13C12-Aldrin	7.72e4	1.93e6	1.55	NO	0.154	1.219	30.79	1.182	1.181	NO	213.32	26.0	2.29	
7	41	13C10-Oxychlorda...	6.52e4	1.93e6	1.56	NO	0.0404	1.219	33.35	1.280	1.280	NO	686.46	83.7	8.73	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_6.qld

Last Altered: Wednesday, April 28, 2021 3:24:10 PM Pacific Daylight Time
Printed: Wednesday, April 28, 2021 3:25:01 PM Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210415H1_6, Date: 15-Apr-2021, Time: 13:40:45, ID: B1D0036-DUP1 Duplicate 1.45, Description: Duplicate, Task: ST210415H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	43	13C10-trans-Chlor...	5.44e4	1.93e6	1.42	NO	0.0358	1.219	35.03	1.344	1.344	NO	647.14	78.9	9.85	
2	44	13C10-trans-Nona...	5.69e4	1.22e6	1.59	NO	0.0638	1.219	35.22	0.983	0.983	NO	599.50	73.1	4.71	
3	46	13C12-2,4'-DDE	1.63e6	1.22e6	1.58	NO	1.43	1.219	35.69	0.996	0.995	NO	763.80	93.1	0.832	
4	47	13C12-4,4'-DDE	1.20e6	1.22e6	1.59	NO	0.995	1.219	36.75	1.025	1.026	NO	808.51	98.6	1.20	
5	48	13C12-Dieldrin	1.37e5	1.22e6	1.59	NO	0.146	1.219	37.26	1.040	1.040	NO	629.44	76.7	6.14	
6	50	13C10-cis-Nonach...	7.09e4	1.22e6	1.56	NO	0.0791	1.219	38.94	1.086	1.087	NO	602.59	73.5	11.3	
7	52	13C12-2,4'-DDD	1.38e6	1.22e6	1.57	NO	1.35	1.219	37.89	1.057	1.057	NO	686.46	83.7	1.63	
8	53	13C12-2,4'-DDT	7.18e5	1.22e6	1.56	NO	0.962	1.219	39.00	1.088	1.089	NO	501.15	61.1	2.29	
9	54	13C12-4,4'-DDD	1.07e6	1.22e6	1.62	NO	1.12	1.219	39.13	1.092	1.092	NO	642.43	78.3	1.96	
10	55	13C12-4,4'-DDT	5.45e5	1.22e6	1.61	NO	0.735	1.219	40.19	1.121	1.122	NO	498.64	60.8	2.99	
11	62	13C-PCB-15	1.93e6	1.93e6	1.57	NO	1.00	1.219	26.06	1.000	1.000	NO	820.34	100	0.493	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_6.qld

Last Altered: Wednesday, April 28, 2021 3:24:10 PM Pacific Daylight Time
Printed: Wednesday, April 28, 2021 3:25:06 PM Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210415H1_6, Date: 15-Apr-2021, Time: 13:40:45, ID: B1D0036-DUP1 Duplicate 1.45, Description: Duplicate, Task: ST210415H1_1

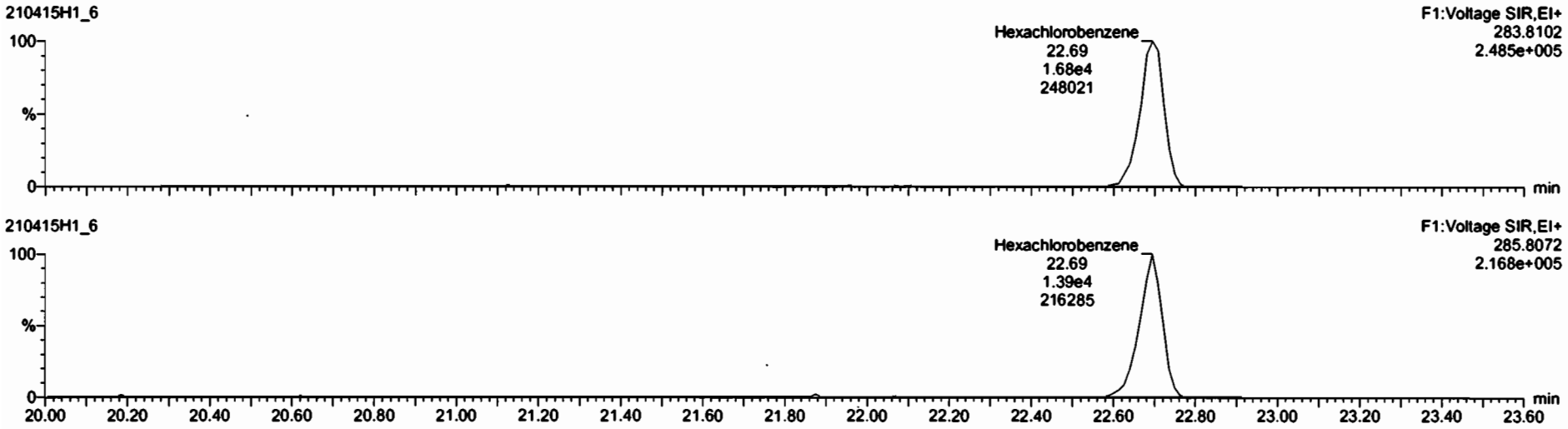
	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	63	13C-PCB-60	1.22e6	1.22e6	0.81	NO	1.00	1.219	35.85	1.000	1.000	NO	820.34	100	0.646	

Dataset: Untitled

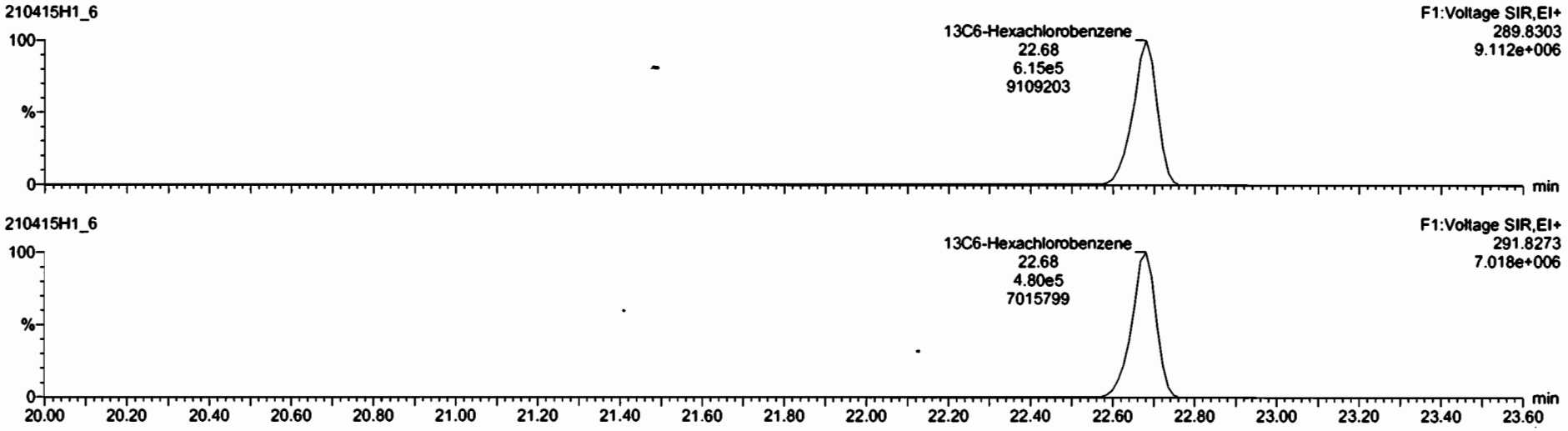
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_6, Date: 15-Apr-2021, Time: 13:40:45, ID: B1D0036-DUP1 Duplicate 1.45, Description: Duplicate

Hexachlorobenzene



13C6-Hexachlorobenzene

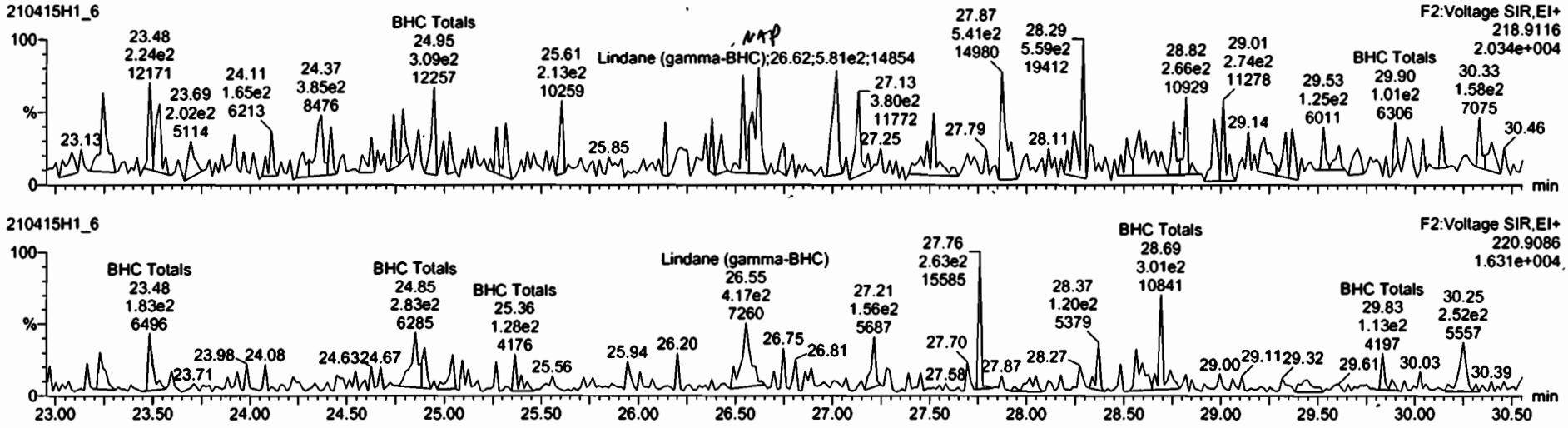


Dataset: Untitled

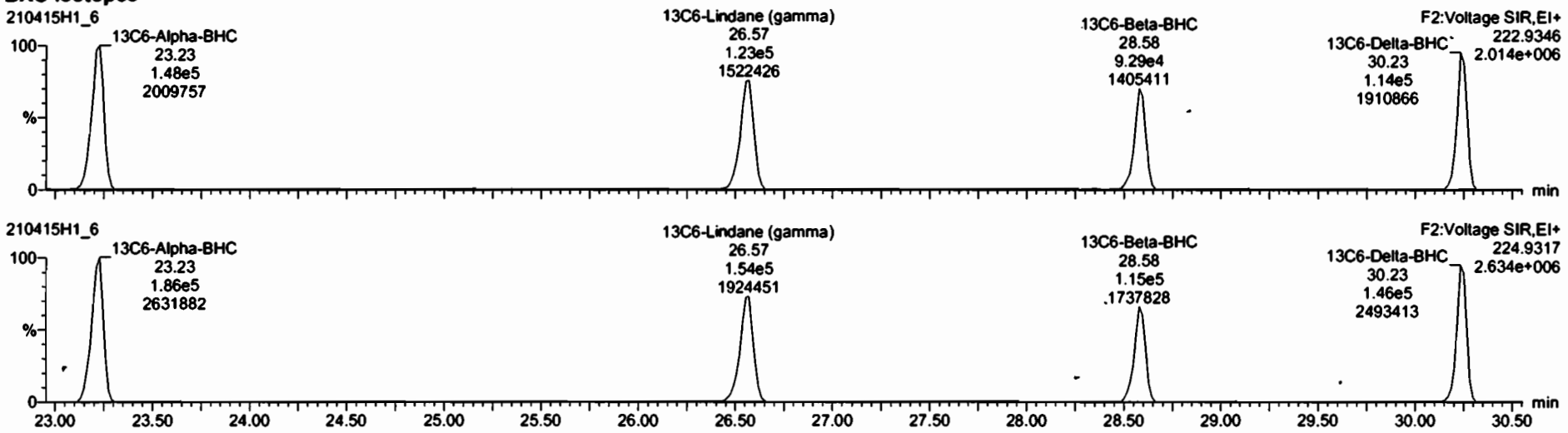
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_6, Date: 15-Apr-2021, Time: 13:40:45, ID: B1D0036-DUP1 Duplicate 1.45, Description: Duplicate

BHC Totals



BHC-isotopes



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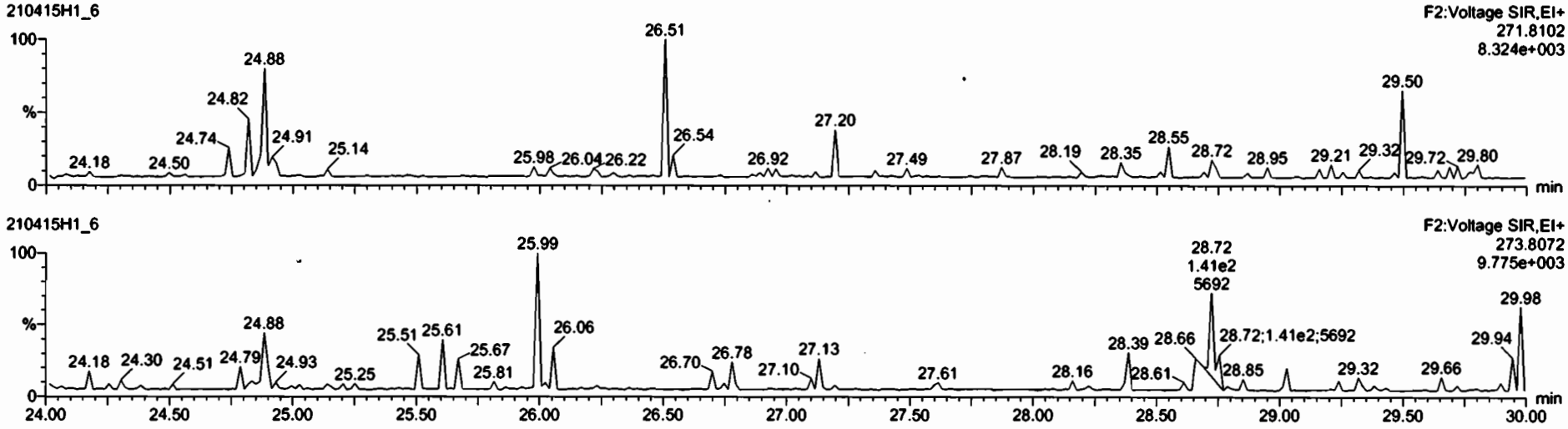
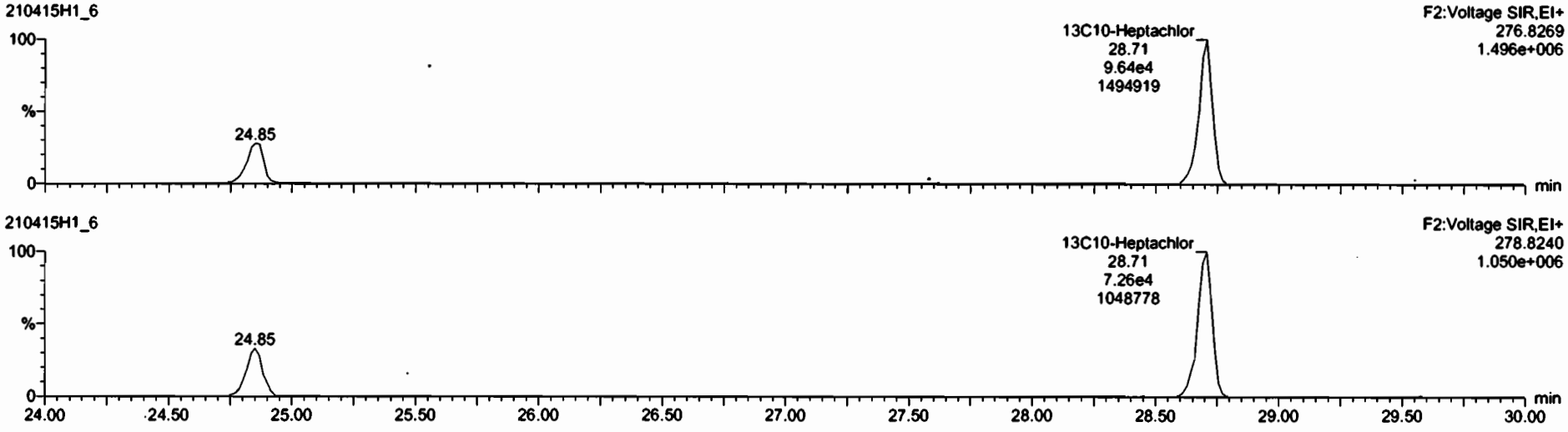
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_6, Date: 15-Apr-2021, Time: 13:40:45, ID: B1D0036-DUP1 Duplicate 1.45, Description: Duplicate

Heptachlor



13C10-Heptachlor



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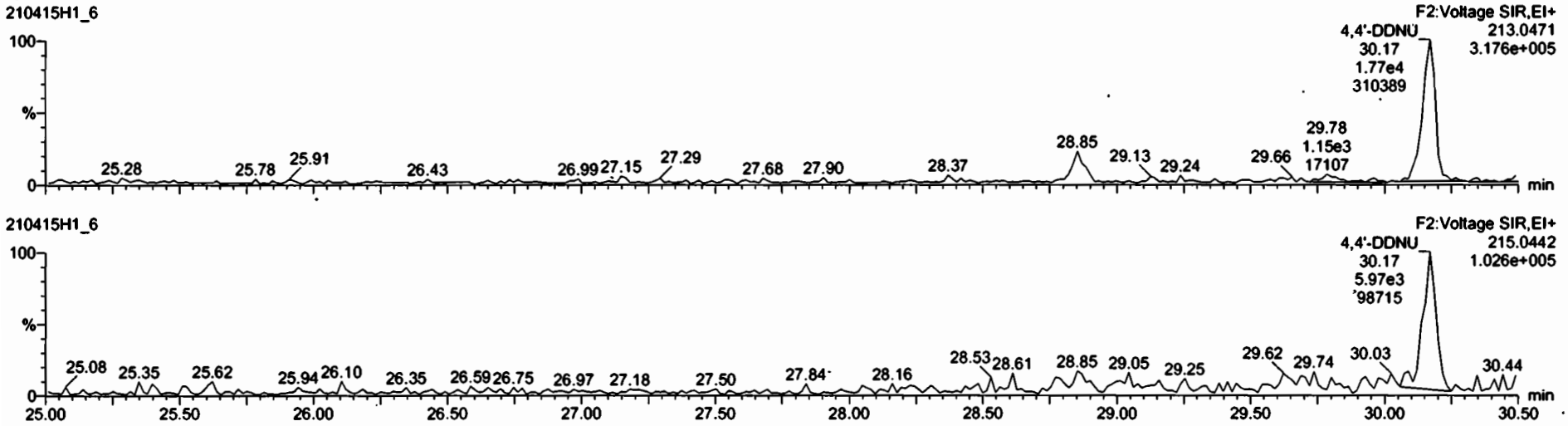
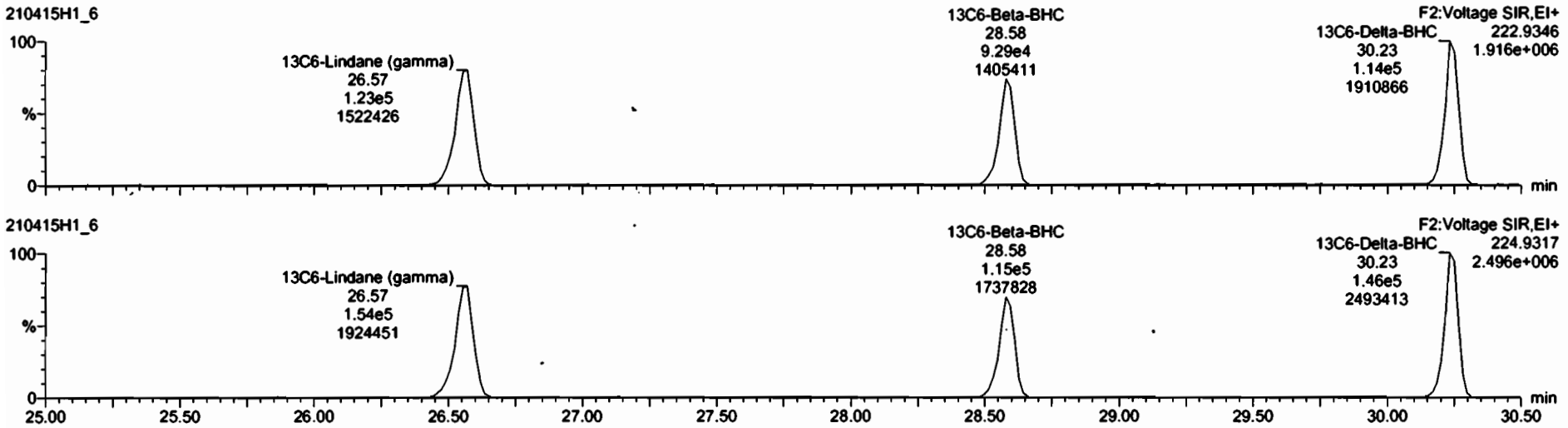
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_6, Date: 15-Apr-2021, Time: 13:40:45, ID: B1D0036-DUP1 Duplicate 1.45, Description: Duplicate

4,4'-DDNU



13C6-Delta-BHC



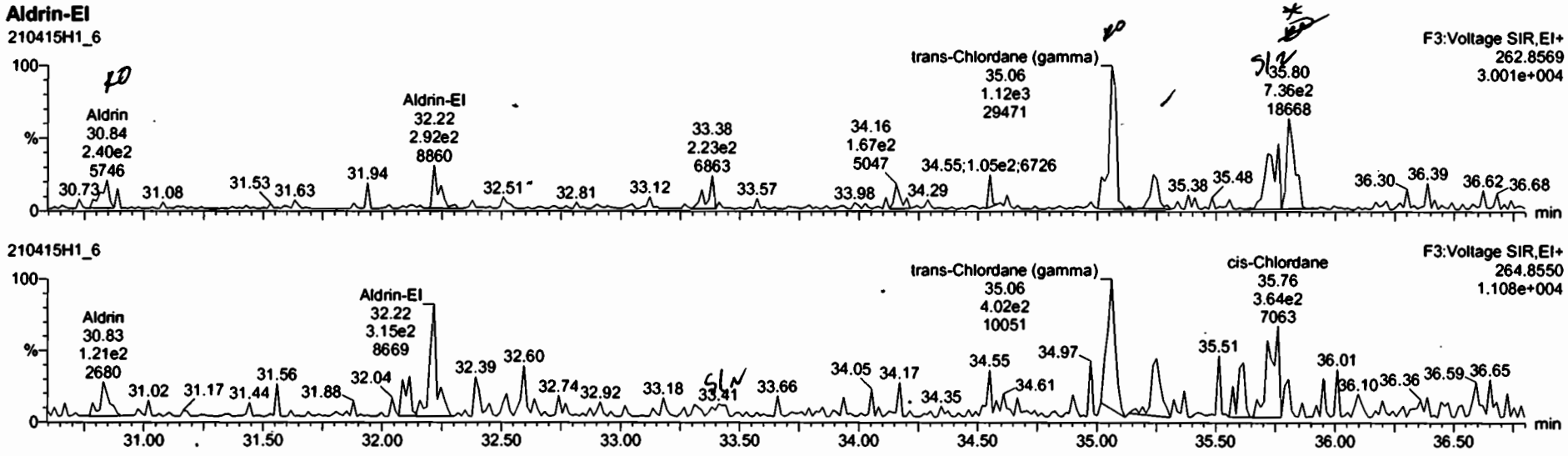
Dataset: Untitled

Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

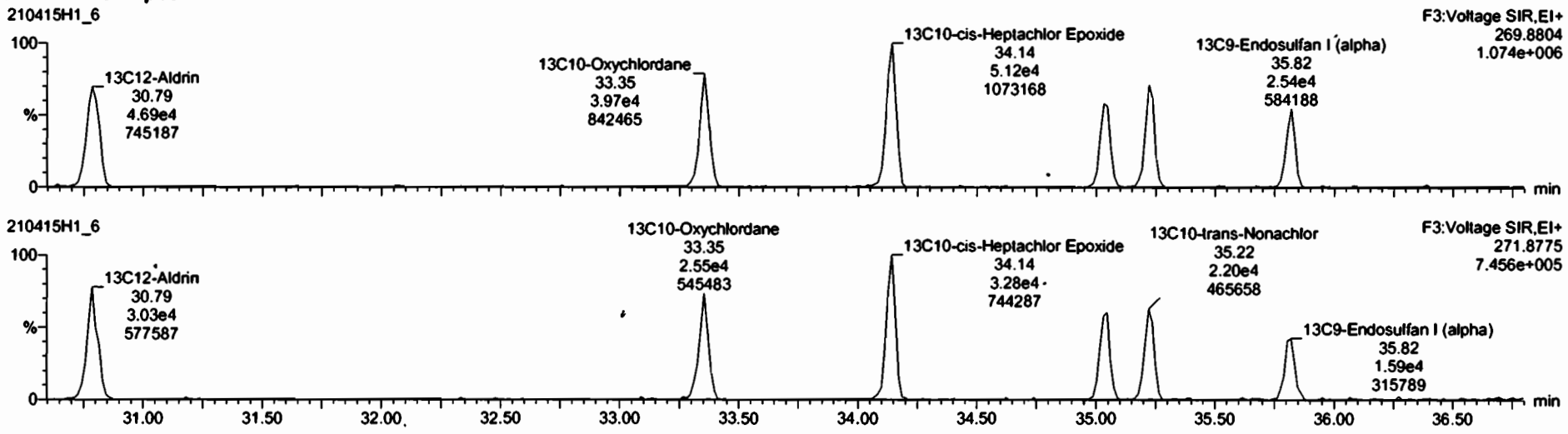
*DF 04/28/21

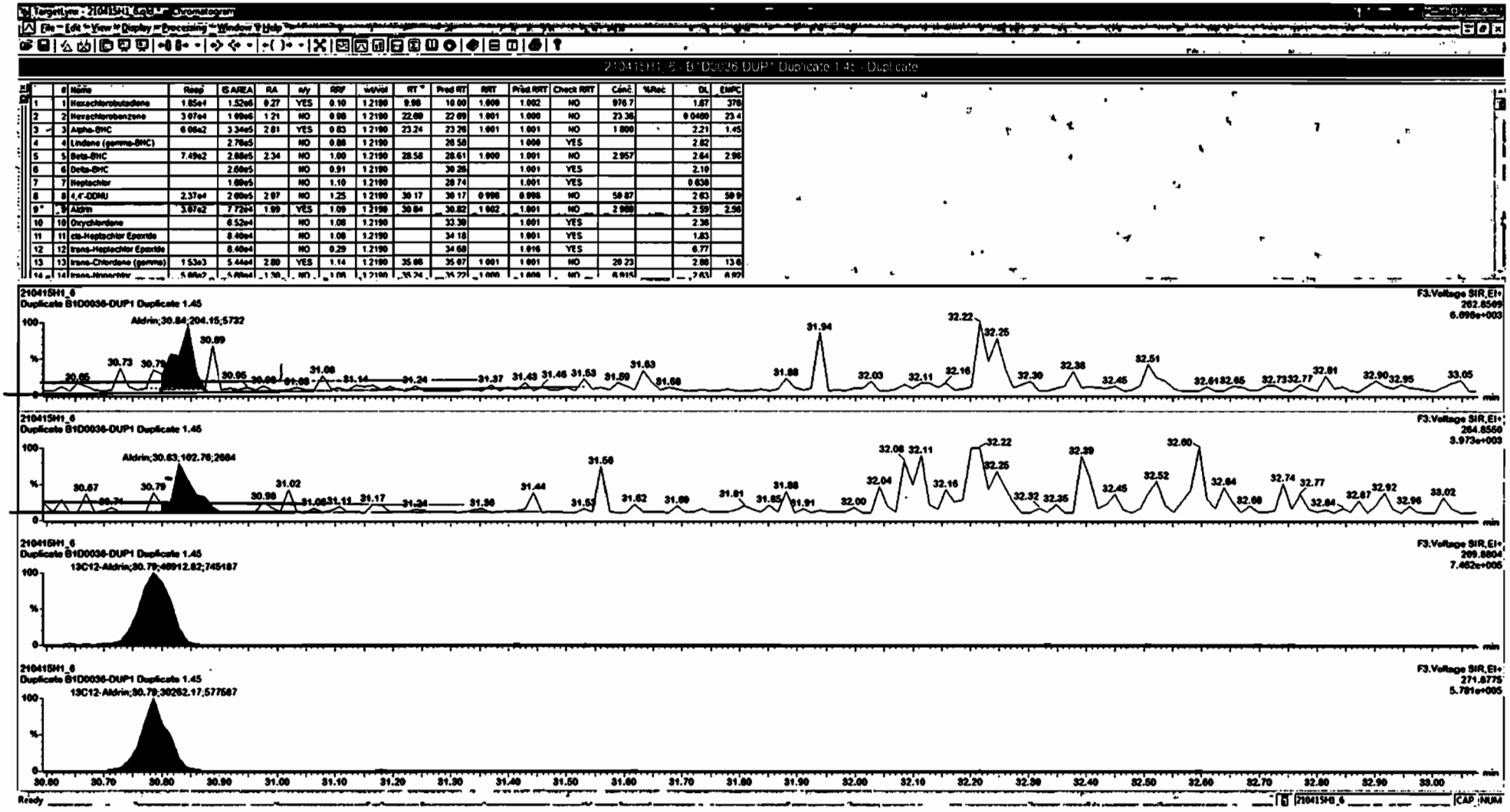
Name: 210415H1_6, Date: 15-Apr-2021, Time: 13:40:45, ID: B1D0036-DUP1 Duplicate 1.45, Description: Duplicate

Aldrin-EI

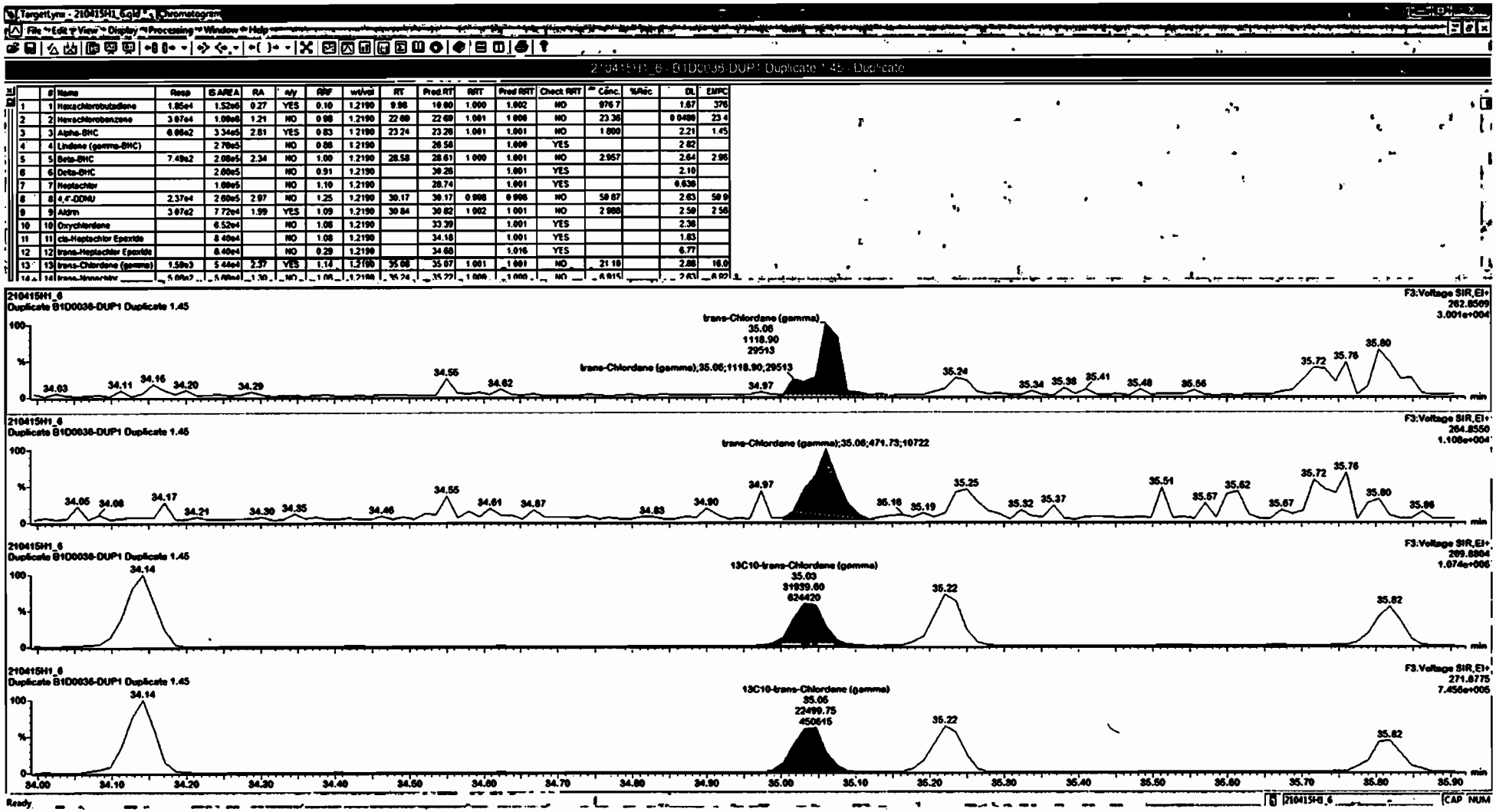


Aldrin-EI-Isotopes

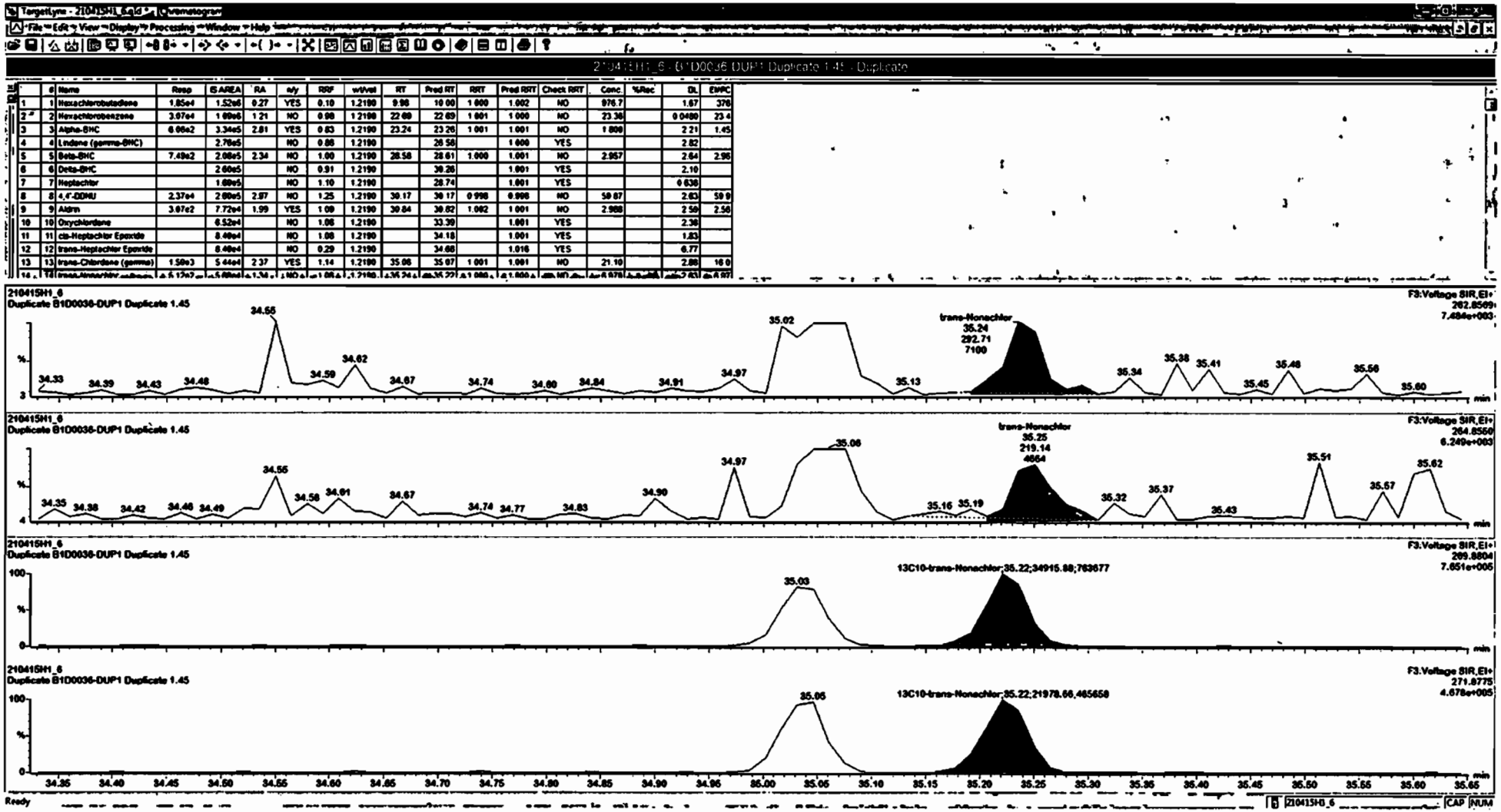




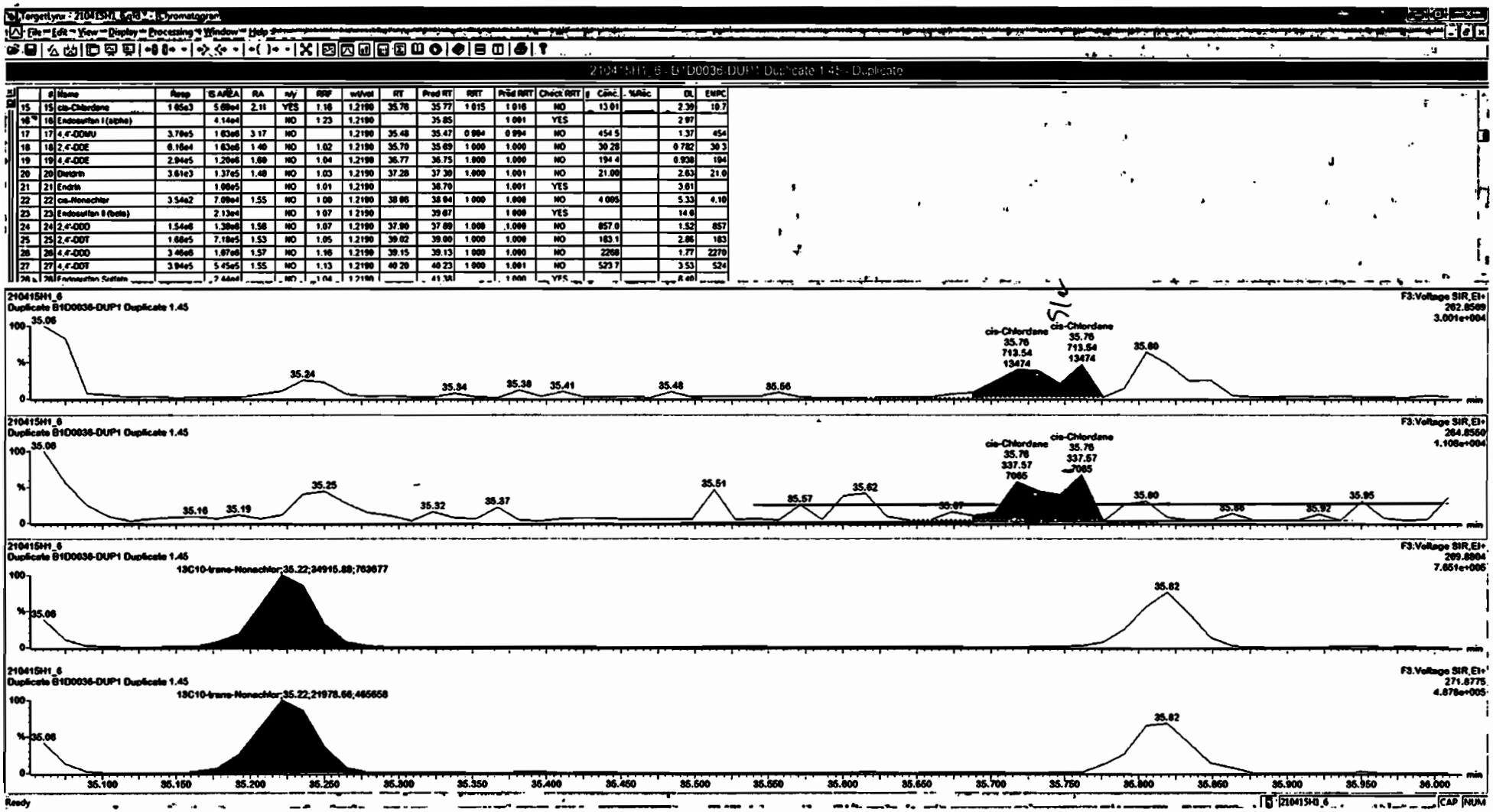
	#	Name	Resp	IS AREA	RA	a/y	RRF	int/std	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
1	1	Hexachlorobutadiene	1.85e4	1.52e6	0.27	YES	0.10	1.2190	9.98	10.00	1.000	1.002	NO	976.7		1.67	376
2	2	Hexachlorobenzene	3.97e4	1.99e6	1.21	NO	0.98	1.2190	22.69	22.69	1.001	1.000	NO	23.36		0.0460	23.4
3	3	Alpha-BHC	6.08e2	3.34e5	2.81	YES	0.83	1.2190	23.24	23.26	1.001	1.001	NO	1.800		2.21	1.45
4	4	Lindane (gamma-BHC)		2.76e5		NO	0.88	1.2190		26.58		1.000	YES			2.82	
5	5	Beta-BHC	7.49e2	2.88e5	2.34	NO	1.00	1.2190	28.58	28.61	1.000	1.001	NO	2.957		2.64	2.96
6	6	Delta-BHC		2.68e5		NO	0.91	1.2190		30.28		1.001	YES			2.10	
7	7	Heptachlor		1.89e5		NO	1.10	1.2190		28.74		1.001	YES			0.638	
8	8	4,4'-DDMU	2.37e4	2.60e5	2.97	NO	1.25	1.2190	30.17	30.17	0.998	0.998	NO	58.87		2.63	58.9
9*	9	Aldrin	3.67e2	7.72e4	1.99	YES	1.09	1.2190	30.84	30.82	1.002	1.001	NO	2.988		2.59	2.98
10	10	Oxychlordane		6.52e4		NO	1.06	1.2190		33.39		1.001	YES			2.36	
11	11	cis-Heptachlor Epoxide		8.40e4		NO	1.08	1.2190		34.18		1.001	YES			1.83	
12	12	trans-Heptachlor Epoxide		8.40e4		NO	0.29	1.2190		34.68		1.016	YES			6.77	
13	13	trans-Chlordane (gamma)	1.53e3	5.44e4	2.80	YES	1.14	1.2190	35.06	35.07	1.001	1.001	NO	29.23		2.86	13.6
14	14	trans-Nonachlor	5.66e2	4.69e4	1.38	NO	1.08	1.2190	35.24	35.22	1.000	1.000	NO	0.914		2.63	6.97



	#	Name	Resp	S AREA	RA	a/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1	Hexachlorobutadiene	1.85e4	1.52e6	0.27	YES	0.10	1.2190	9.98	10.00	1.000	1.002	NO	976.7		1.67	376
2	2	Hexachlorobenzene	3.67e4	1.00e6	1.21	NO	0.98	1.2190	22.69	22.69	1.001	1.000	NO	23.36		0.0499	23.4
3	3	Alpha-BHC	6.66e2	3.34e5	2.81	YES	0.83	1.2190	23.24	23.26	1.001	1.001	NO	1.800		2.21	1.45
4	4	Lindane (gamma-BHC)		2.76e5		NO	0.86	1.2190		26.56		1.000	YES			2.82	
5	5	Beta-BHC	7.49e2	2.08e5	2.34	NO	1.00	1.2190	28.58	28.61	1.000	1.001	NO	2.957		2.64	2.96
6	6	Delta-BHC		2.00e5		NO	0.91	1.2190		30.26		1.001	YES			2.10	
7	7	Heptachlor		1.08e5		NO	1.10	1.2190		28.74		1.001	YES			0.639	
8	8	4,4'-DDMU	2.37e4	2.60e5	2.97	NO	1.25	1.2190	30.17	30.17	0.998	0.998	NO	58.87		2.63	58.9
9	9	Aldrin	3.87e2	7.72e4	1.99	YES	1.09	1.2190	30.84	30.82	1.002	1.001	NO	2.988		2.59	2.56
10	10	Oxychlordane		6.52e4		NO	1.06	1.2190		33.39		1.001	YES			2.36	
11	11	cis-Heptachlor Epoxide		8.40e4		NO	1.08	1.2190		34.18		1.001	YES			1.83	
12	12	trans-Heptachlor Epoxide		8.40e4		NO	0.29	1.2190		34.60		1.016	YES			6.77	
13	13	trans-Chlordane (gamma)	1.58e3	5.44e4	2.37	YES	1.14	1.2190	35.08	35.07	1.001	1.001	NO	21.10		2.88	18.0
14	14	trans-Nonachlor		5.68e4	1.39	NO	1.06	1.2190	36.24	35.72	1.000	1.000	NO	6.814		2.63	6.82



	#	Name	Resp	IS AREA	RA	a/y	RRF	w/val	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
1	1	Hexachlorobutadiene	1.85e4	1.52e6	0.27	YES	0.10	1.2190	9.98	10.00	1.000	1.002	NO	976.7		1.67	376
2	2	Hexachlorobenzene	3.07e4	1.09e6	1.21	NO	0.98	1.2190	22.69	22.69	1.001	1.000	NO	23.38		0.0480	23.4
3	3	Alpha-BHC	6.06e2	3.34e5	2.81	YES	0.83	1.2190	23.24	23.26	1.001	1.001	NO	1.809		2.21	1.45
4	4	Lindane (gamma-BHC)		2.76e5		NO	0.88	1.2190		26.58		1.000	YES			2.82	
5	5	Beta-BHC	7.49e2	2.06e5	2.34	NO	1.00	1.2190	28.58	28.61	1.000	1.001	NO	2.957		2.64	2.98
6	6	Delta-BHC		2.60e5		NO	0.91	1.2190		30.26		1.001	YES			2.10	
7	7	Heptachlor		1.69e5		NO	1.10	1.2190		28.74		1.001	YES			0.638	
8	8	4,4'-DDMU	2.37e4	2.99e5	2.97	NO	1.25	1.2190	30.17	30.17	0.998	0.998	NO	59.87		2.63	59.9
9	9	Aldrin	3.87e2	7.72e4	1.99	YES	1.09	1.2190	30.84	30.82	1.002	1.001	NO	2.988		2.59	2.56
10	10	Oxychlordane		6.52e4		NO	1.06	1.2190		33.39		1.001	YES			2.36	
11	11	cis-Heptachlor Epoxide		8.49e4		NO	1.08	1.2190		34.18		1.001	YES			1.83	
12	12	trans-Heptachlor Epoxide		8.48e4		NO	0.29	1.2190		34.68		1.016	YES			6.77	
13	13	trans-Chlordane (gamma)	1.59e3	5.44e4	2.37	YES	1.14	1.2190	35.06	35.07	1.001	1.001	NO	21.10		2.88	16.0



	#	Name	Resp	IS AREA	RA	n/y	RRF	w/wt	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
15	15	cis-Chlordane	1.65e3	5.68e4	2.11	YES	1.16	1.2190	35.76	35.77	1.015	1.016	NO	13.01		2.39	10.7
16	16	Endosulfan I (alpha)		4.14e4		NO	1.23	1.2190		35.85		1.001	YES			2.97	
17	17	4,4'-DDMU	3.76e5	1.63e6	3.17	NO		1.2190	35.48	35.47	0.994	0.994	NO	454.5		1.37	454
18	18	2,4'-DDE	6.16e4	1.63e6	1.40	NO	1.02	1.2190	35.70	35.69	1.000	1.000	NO	30.28		0.782	30.3
19	19	4,4'-DDE	2.94e5	1.20e6	1.68	NO	1.04	1.2190	35.77	35.75	1.000	1.000	NO	194.4		0.938	194
20	20	Dieldrin	3.61e3	1.37e5	1.48	NO	1.03	1.2190	37.28	37.30	1.000	1.001	NO	21.09		2.63	21.0
21	21	Endrin		1.08e5		NO	1.01	1.2190		38.70		1.001	YES			3.61	
22	22	cis-Nonachlor	3.54e2	7.09e4	1.55	NO	1.00	1.2190	38.86	38.84	1.000	1.000	NO	4.005		5.33	4.10
23	23	Endosulfan II (beta)		2.13e4		NO	1.07	1.2190		39.67		1.000	YES			14.8	
24	24	2,4'-DDD	1.54e6	1.38e6	1.58	NO	1.07	1.2190	37.90	37.89	1.000	1.000	NO	857.0		1.52	857
25	25	2,4'-DDT	1.66e5	7.18e5	1.53	NO	1.05	1.2190	39.02	39.00	1.000	1.000	NO	183.1		2.86	183
26	26	4,4'-DDD	3.46e6	1.67e6	1.57	NO	1.16	1.2190	39.15	39.13	1.000	1.000	NO	2268		1.77	2270
27	27	4,4'-DDT	3.94e5	5.45e5	1.55	NO	1.13	1.2190	40.20	40.23	1.000	1.001	NO	523.7		3.53	524
28	28	Endosulfan Sulfate		2.44e4		NO	1.04	1.2190		41.38		1.000	YES			8.48	

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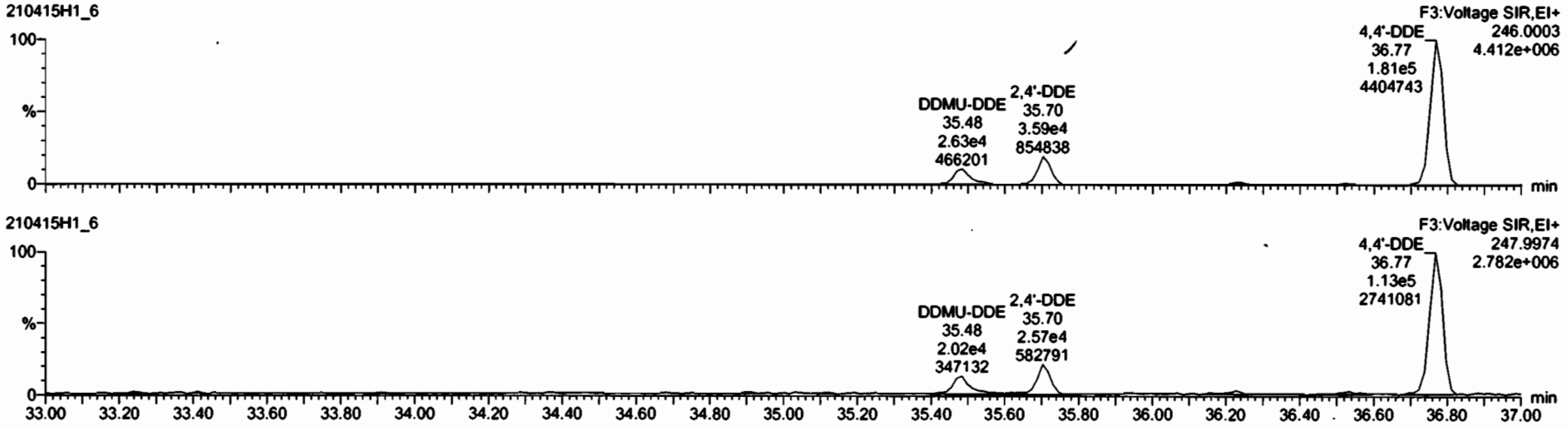
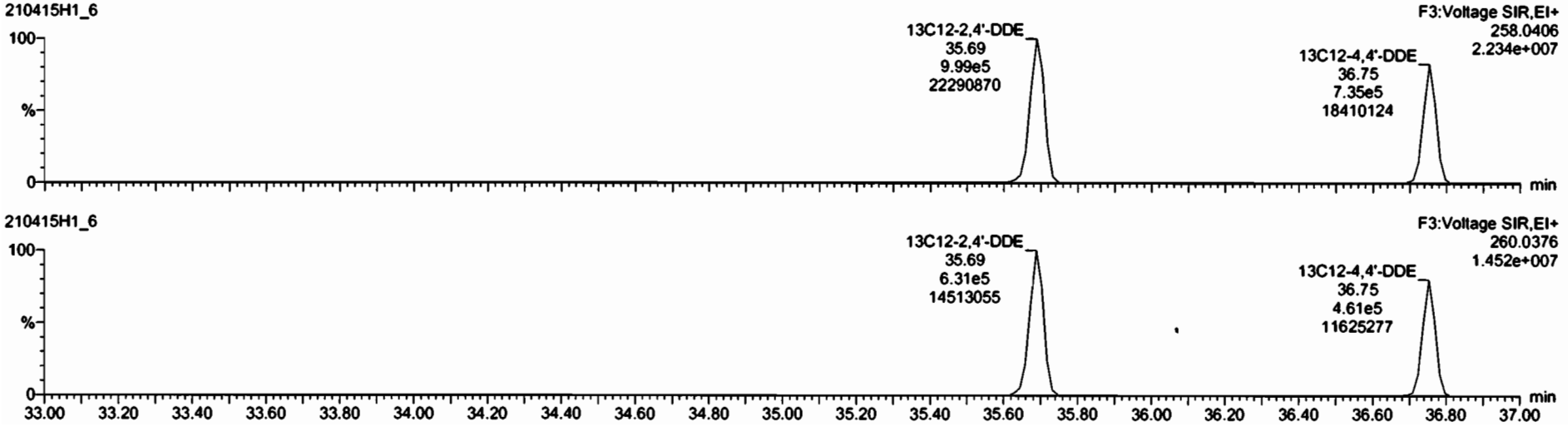
Name: 210415H1_6, Date: 15-Apr-2021, Time: 13:40:45, ID: B1D0036-DUP1 Duplicate 1.45, Description: Duplicate

DDMU-DDE



DDE-isotopes



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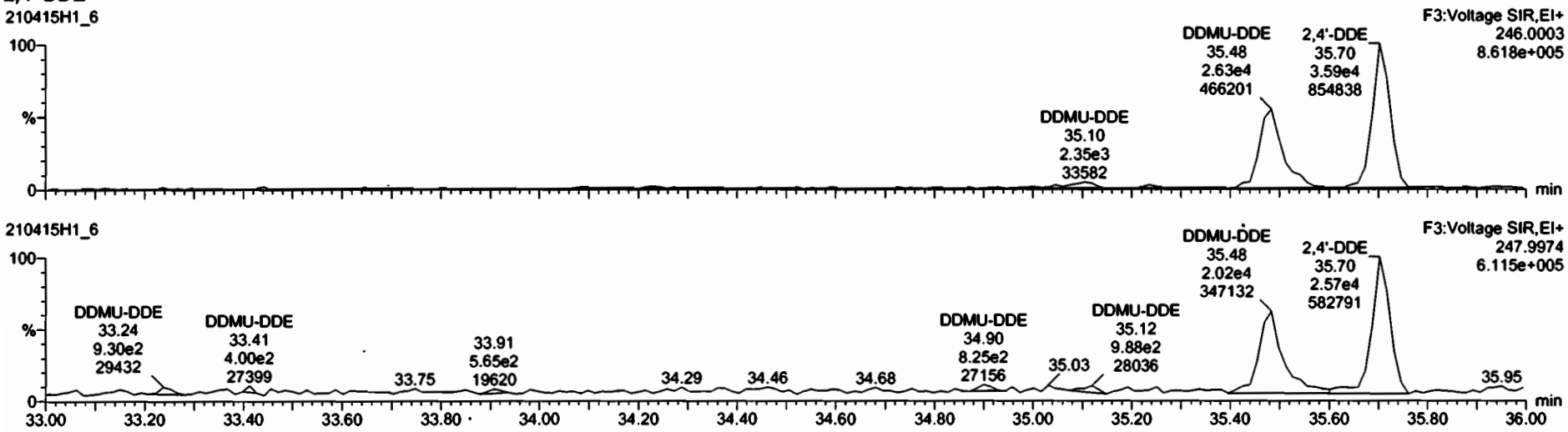
2,4'-DDE



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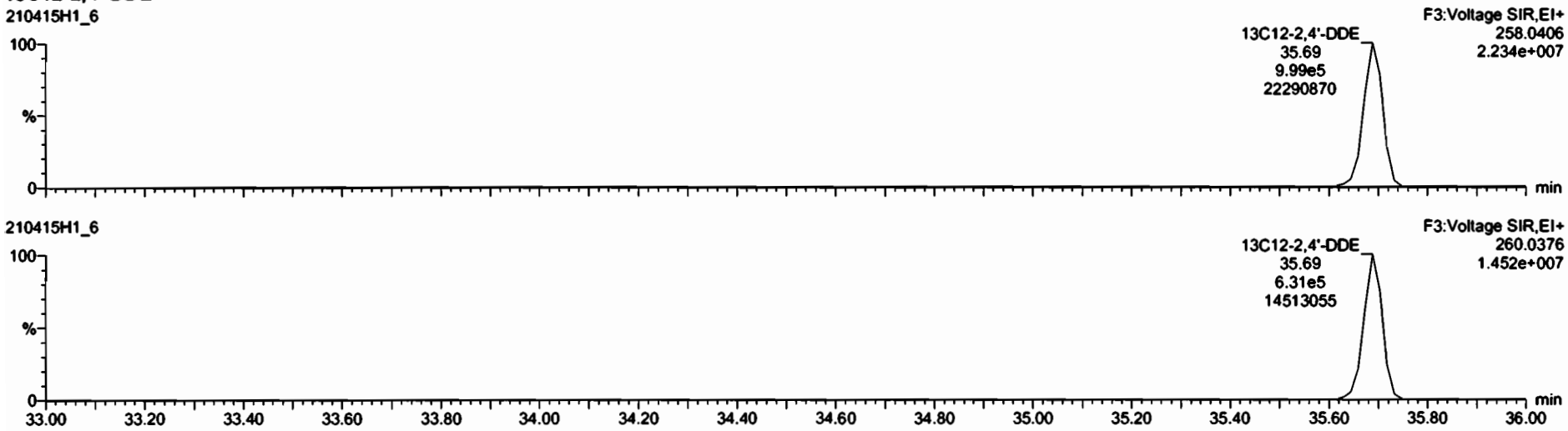

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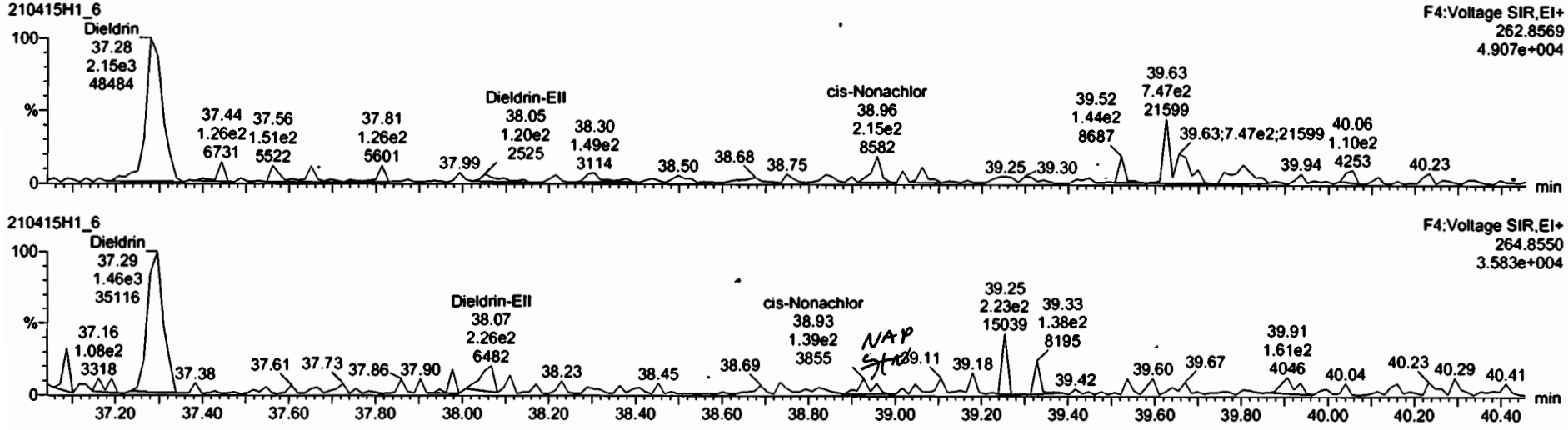
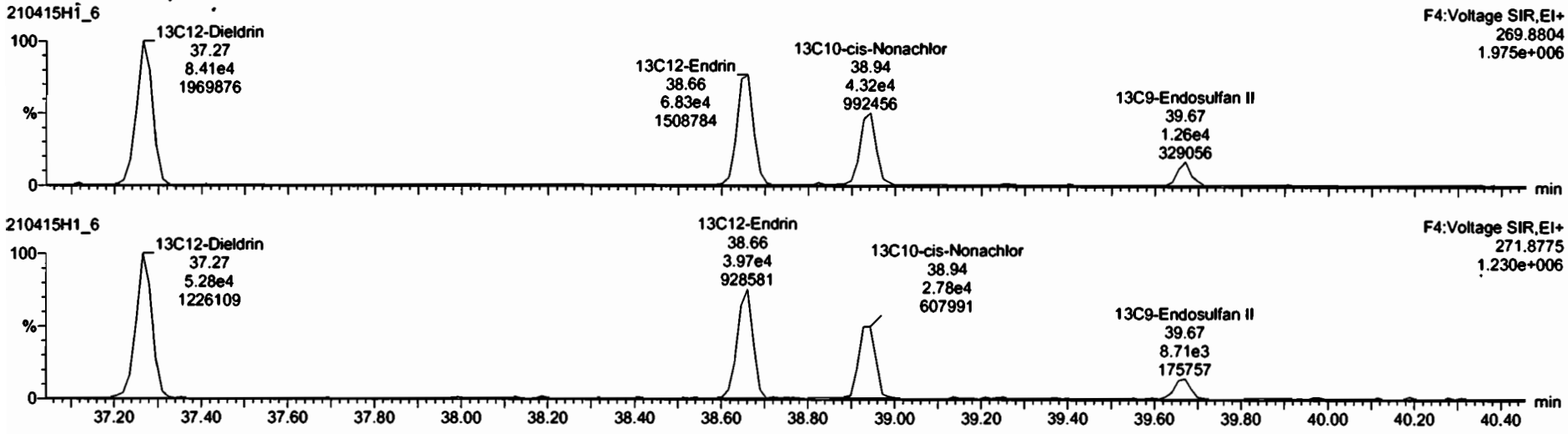
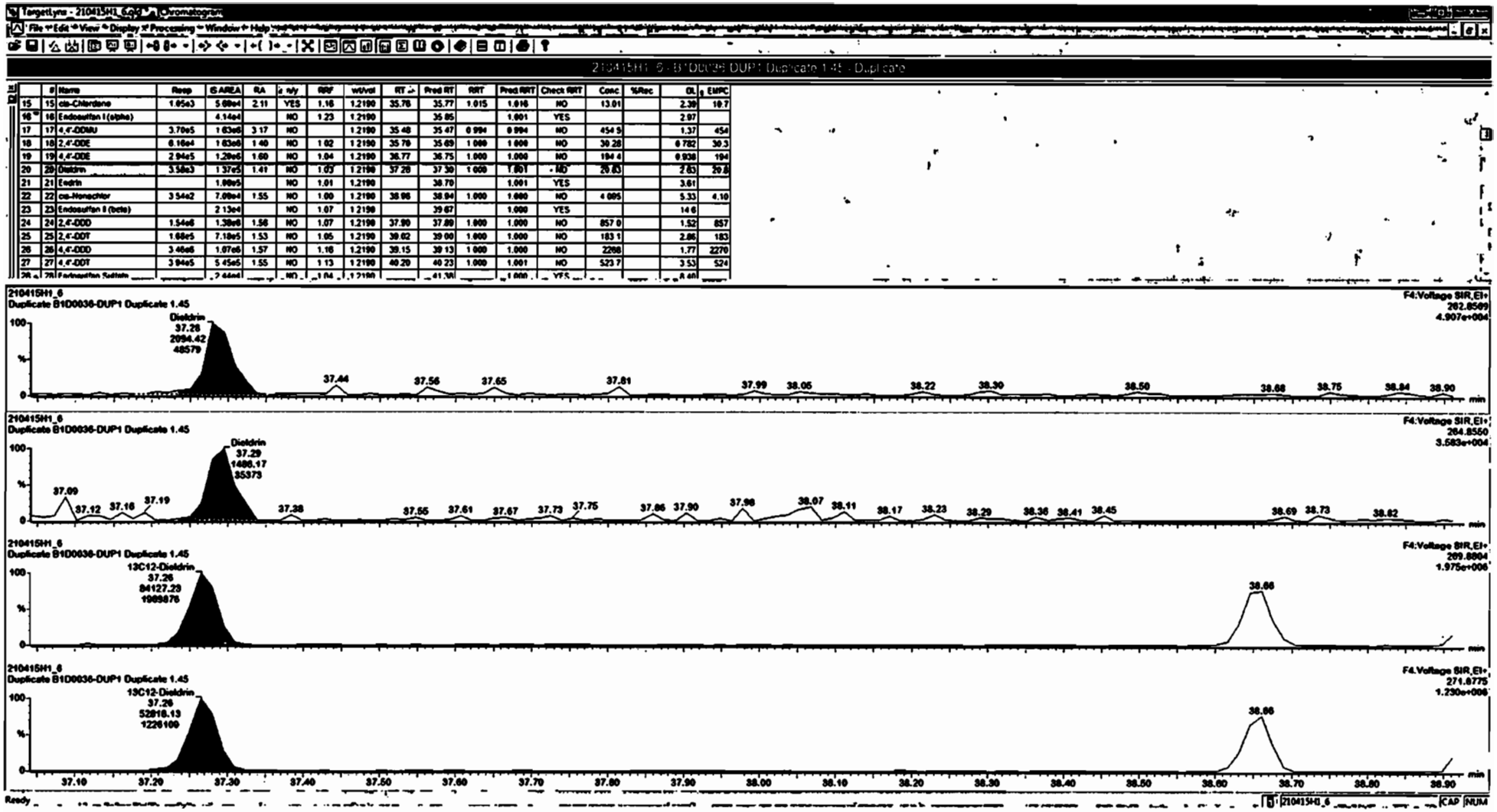
Dieldrin-EII

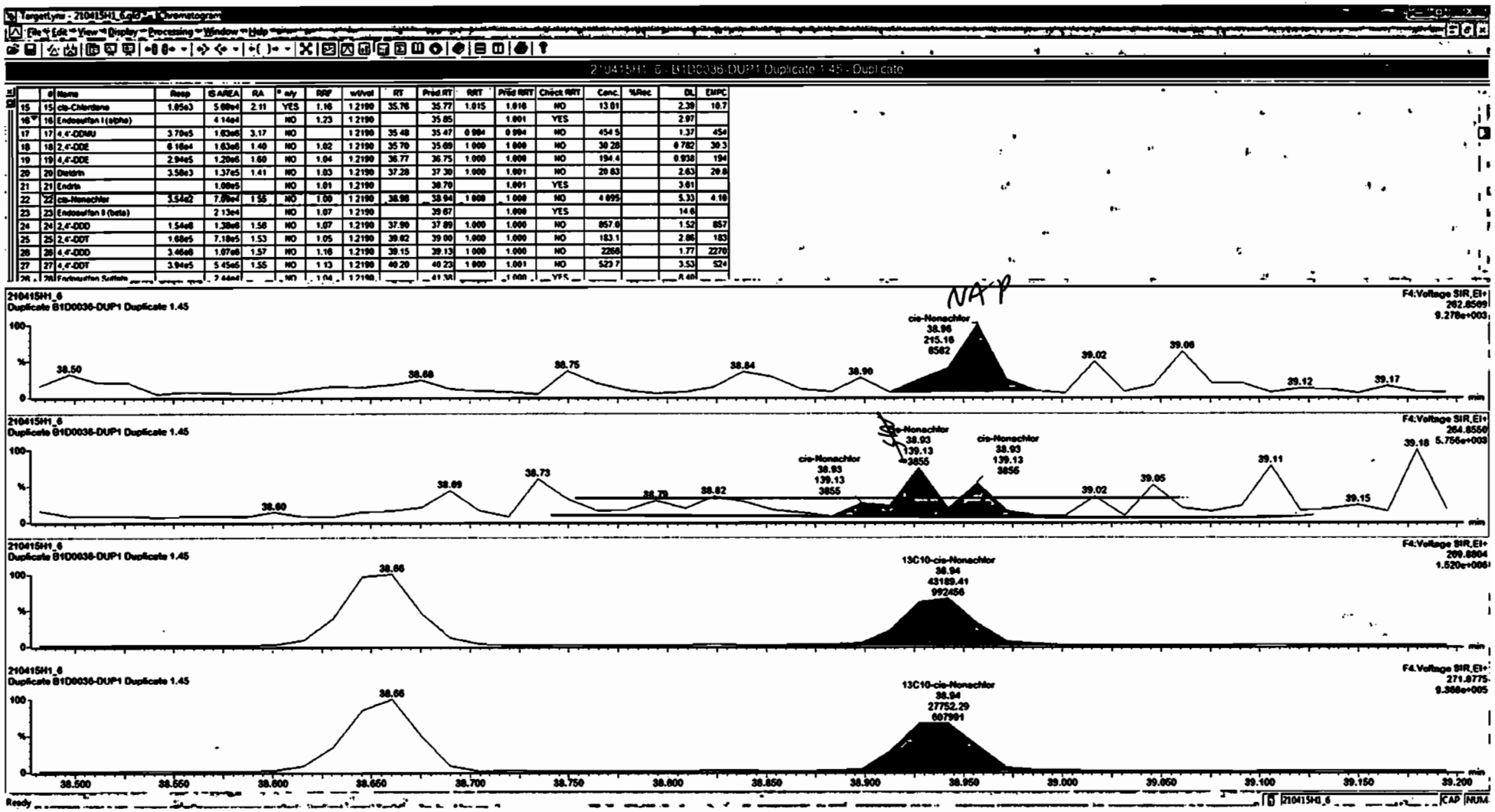


Dieldrin-EII-isotopes





	#	Name	Resp	IS AREA	RA	d n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
15	15	cis-Chlordane	1.65e3	5.69e4	2.11	YES	1.16	1.2190	35.76	35.77	1.015	1.016	NO	13.01		2.39	19.7
16	16	Endosulfan I (alpha)		4.14e4		NO	1.23	1.2190		35.85		1.001	YES			2.97	
17	17	4,4'-DDMU	3.70e5	1.63e6	3.17	NO		1.2190	35.48	35.47	0.994	0.994	NO	454.9		1.37	454
18	18	2,4'-DDE	8.16e4	1.63e6	1.40	NO	1.02	1.2190	35.79	35.69	1.000	1.000	NO	30.28		0.782	30.3
19	19	4,4'-DDE	2.94e5	1.28e6	1.60	NO	1.04	1.2190	36.77	36.75	1.000	1.000	NO	194.4		0.938	194
20	20	Dieldrin	3.58e3	1.37e5	1.41	NO	1.07	1.2190	37.28	37.30	1.000	1.001	NO	26.83		2.83	26.8
21	21	Endrin		1.09e5		NO	1.01	1.2190		38.70		1.001	YES			3.61	
22	22	cis-Nonachlor	3.54e2	7.09e4	1.55	NO	1.00	1.2190	38.98	38.94	1.000	1.000	NO	4.695		5.33	4.10
23	23	Endosulfan II (beta)		2.13e4		NO	1.07	1.2190		39.67		1.000	YES			14.6	
24	24	2,4'-DDD	1.54e6	1.39e6	1.58	NO	1.07	1.2190	37.90	37.89	1.000	1.000	NO	857.0		1.52	857
25	25	2,4'-DDT	1.68e5	7.18e5	1.53	NO	1.05	1.2190	39.02	39.00	1.000	1.000	NO	183.1		2.86	183
26	26	4,4'-DDD	3.46e6	1.07e6	1.57	NO	1.16	1.2190	39.15	39.13	1.000	1.000	NO	2268		1.77	2270
27	27	4,4'-DDT	3.94e5	5.45e5	1.55	NO	1.13	1.2190	40.20	40.23	1.000	1.001	NO	523.7		3.53	524
28	28	Endosulfan Sulfate		2.44e4		NO	1.04	1.2190		41.30		1.000	YES			8.46	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NAP
210415H1_6
Duplicate B1D0036-DUP1 Duplicate 1.45
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39.02
39.06
39.12
39.17
F4:Voltage SIR,EI+
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5.756e+003
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139.13
3855
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39.18
F4:Voltage SIR,EI+
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Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
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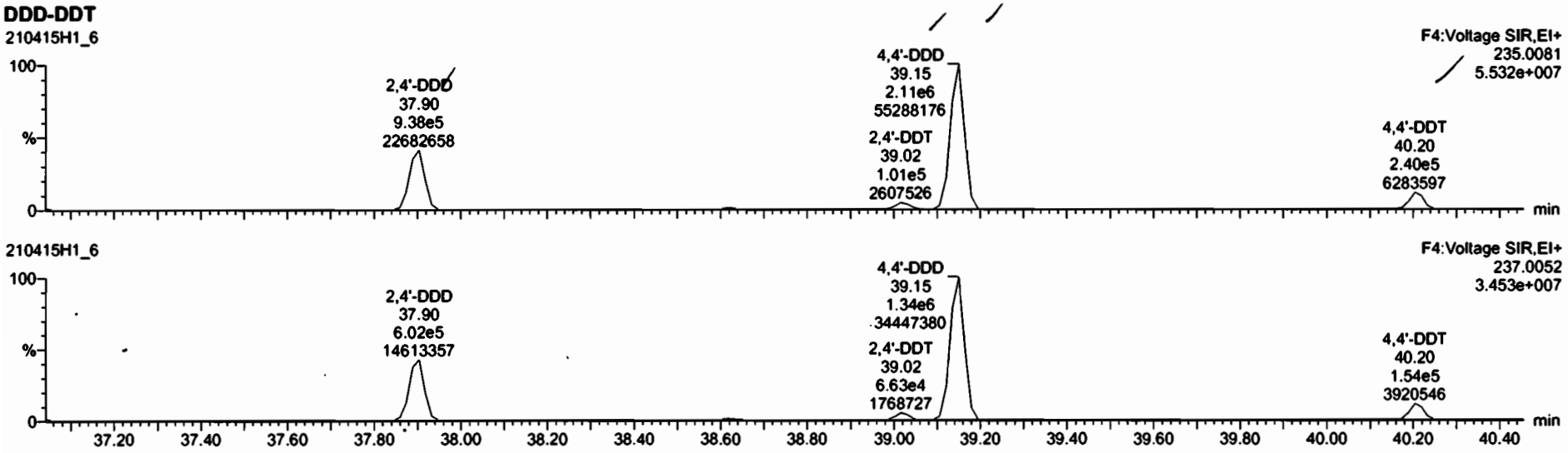
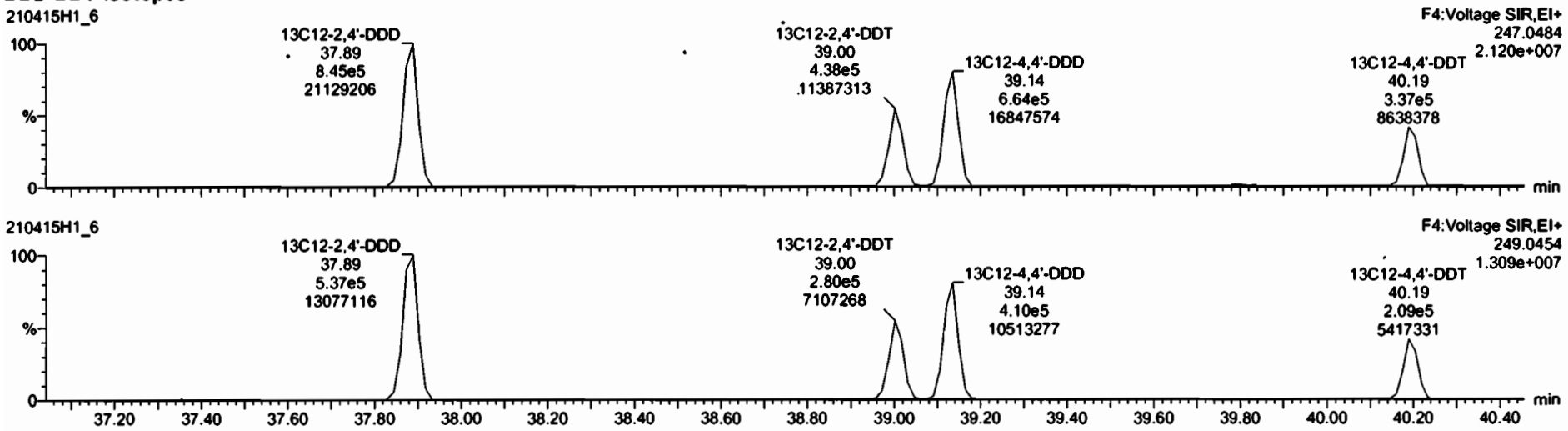
Name: 210415H1_6, Date: 15-Apr-2021, Time: 13:40:45, ID: B1D0036-DUP1 Duplicate 1.45, Description: Duplicate

DDD-DDT



DDD-DDT-isotopes



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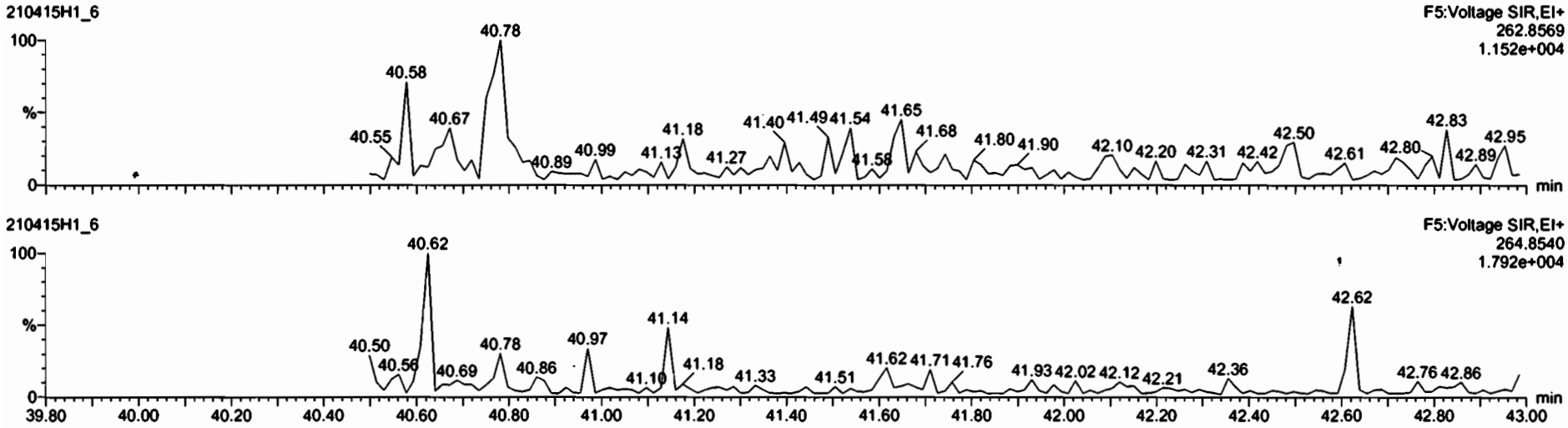
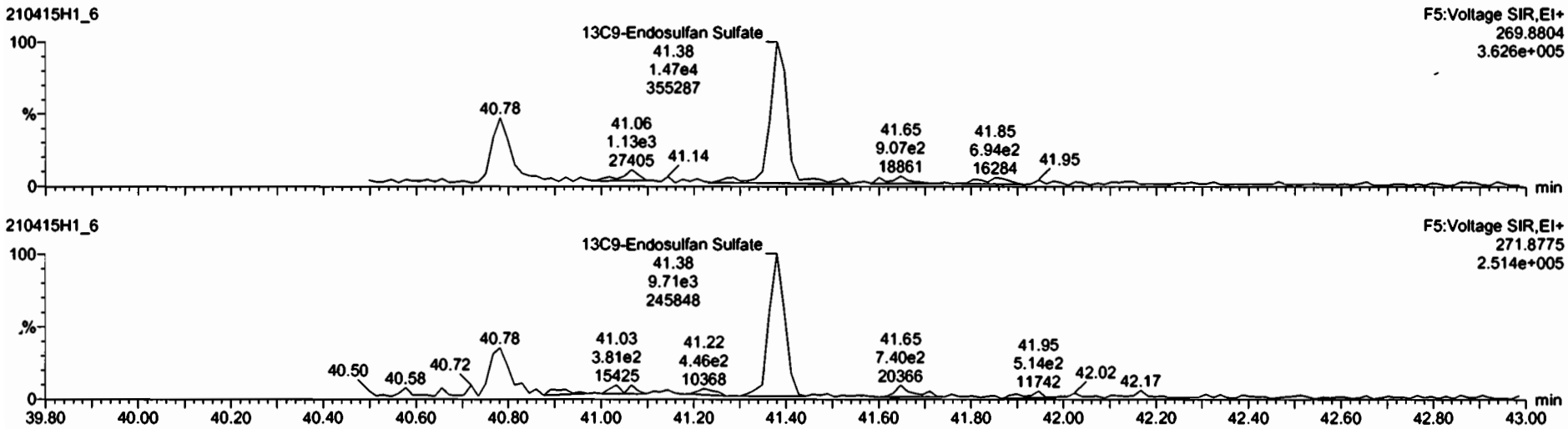
Endosulfan Sulfate



13C9-Endosulfan Sulfate



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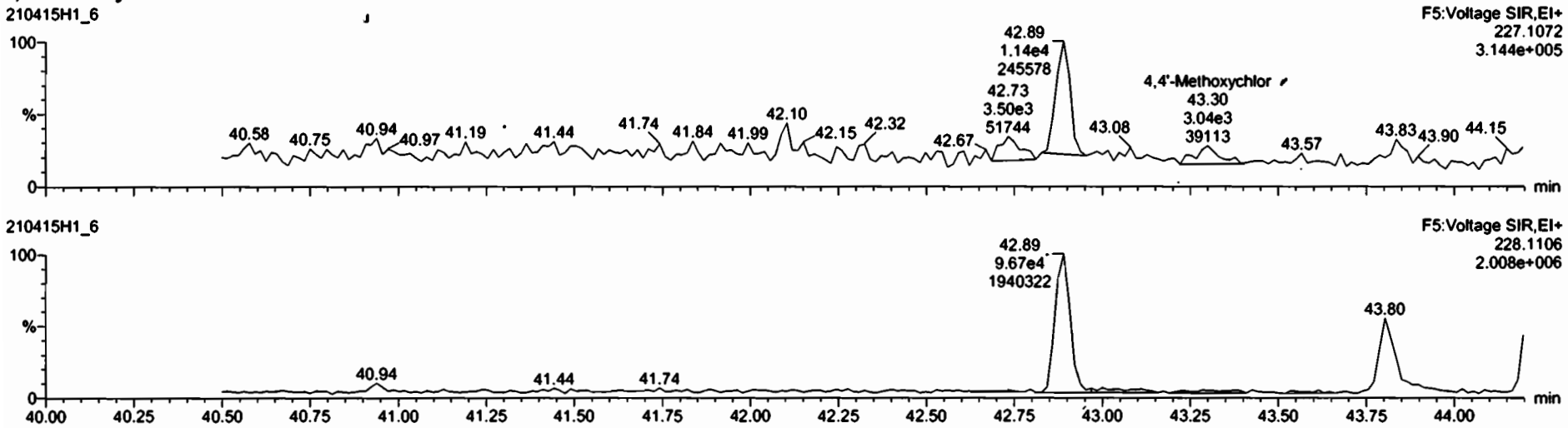
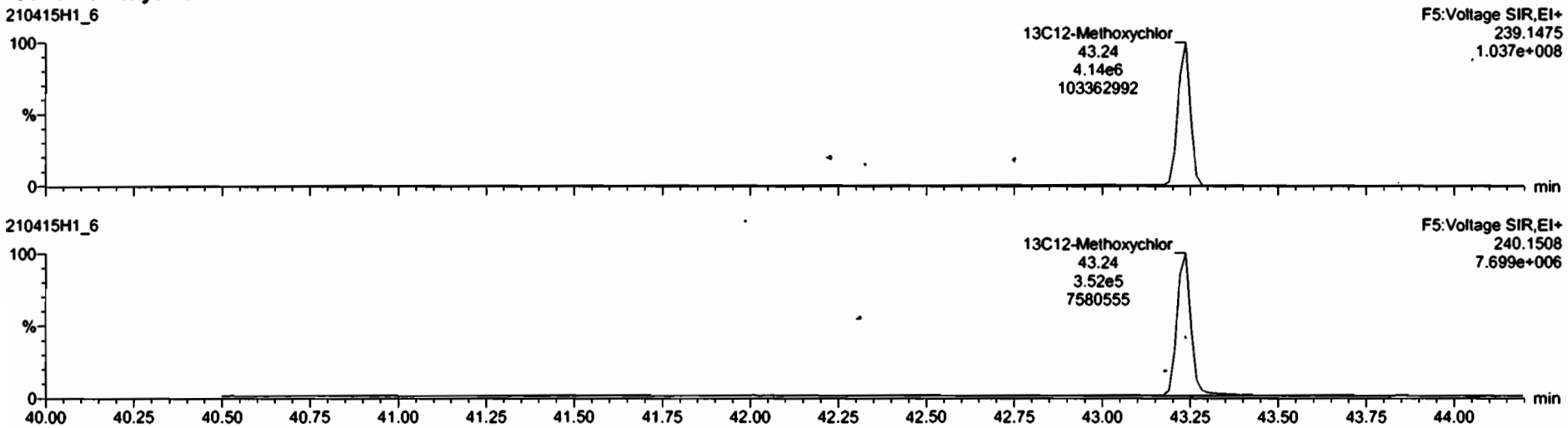
4,4'-Methoxychlor



13C12-Methoxychlor



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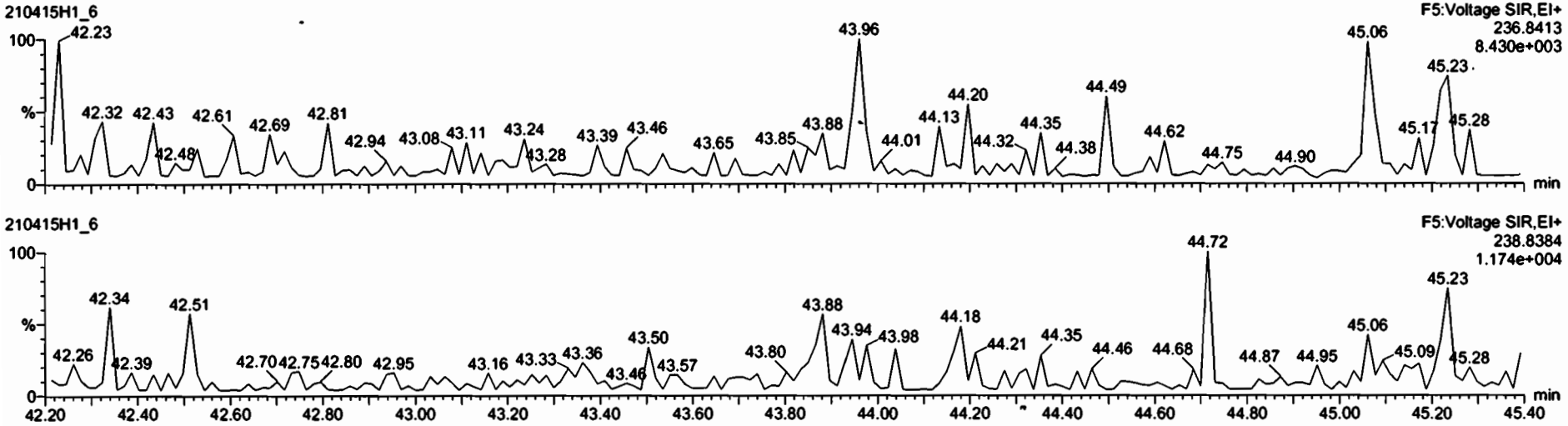
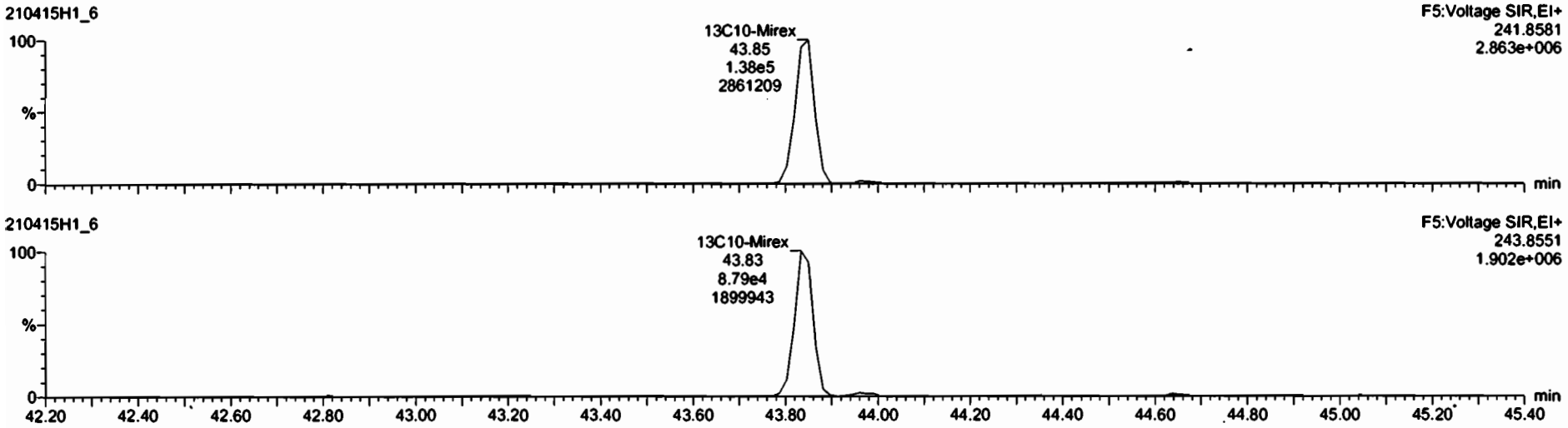
Mirex



13C10-Mirex



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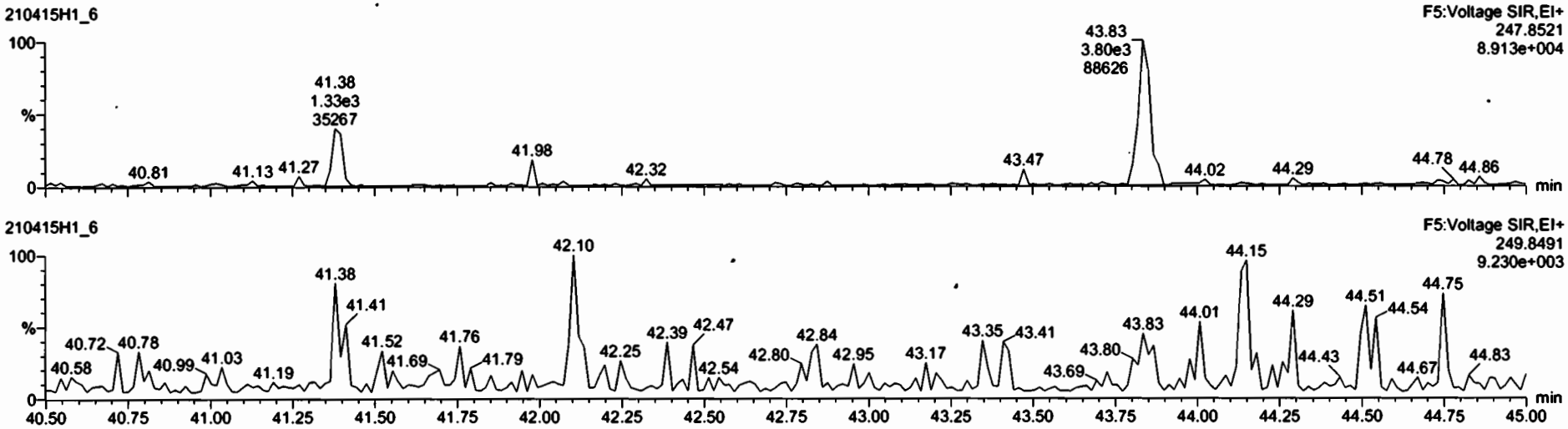
EA-EK



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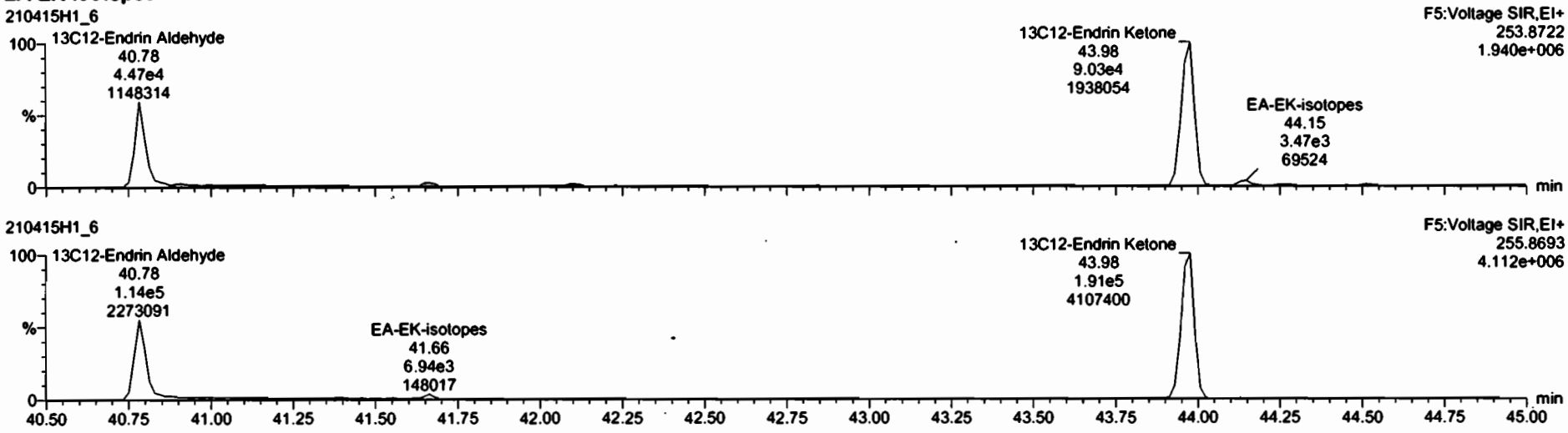

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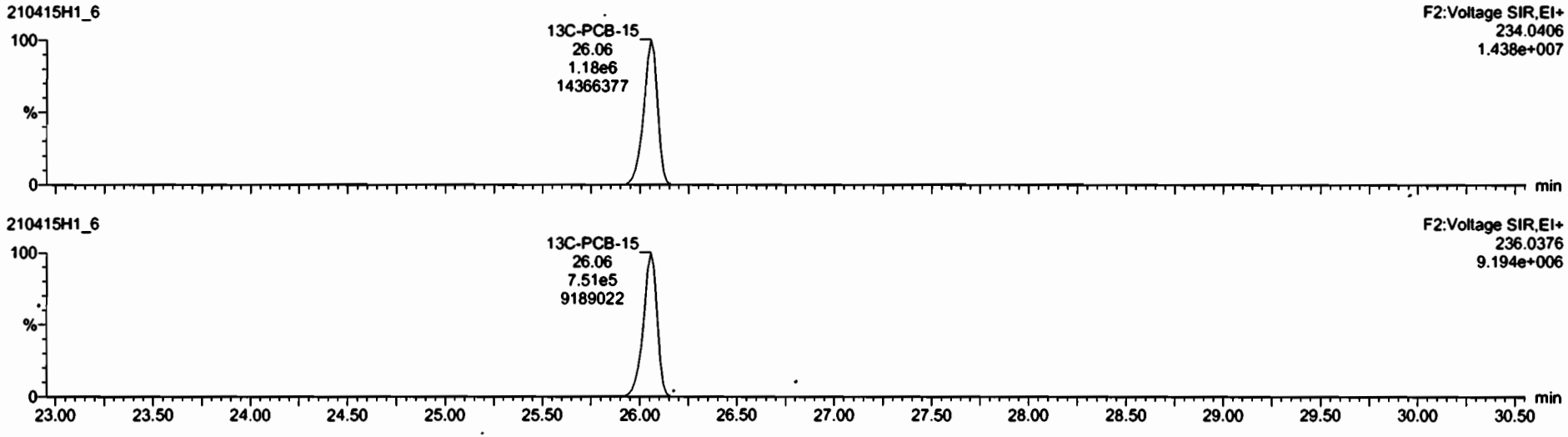
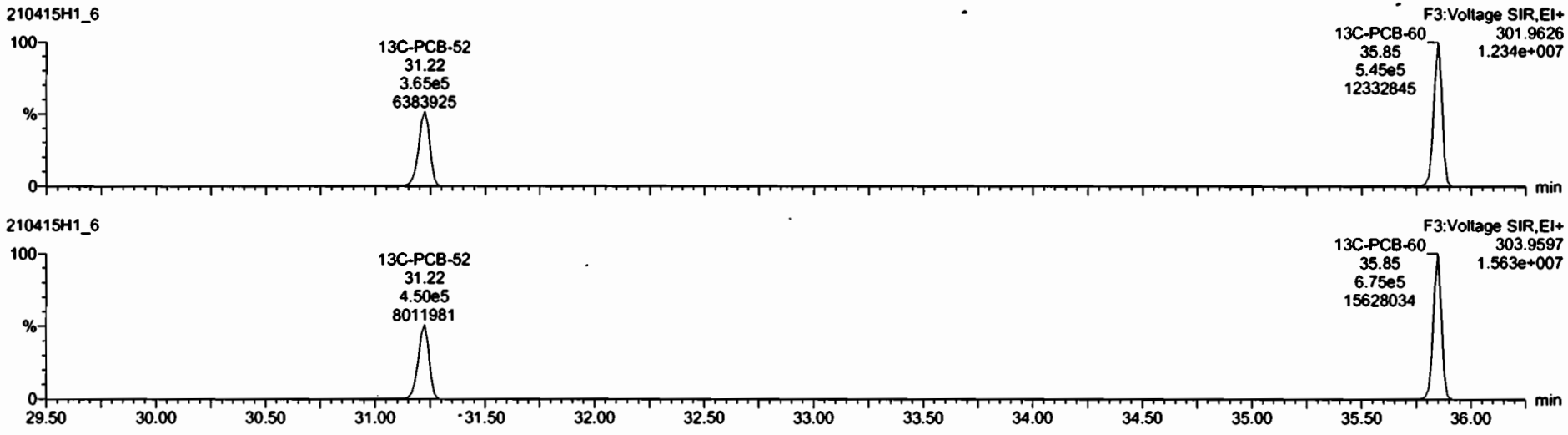
13C-PCB-15



13C-PCB-60



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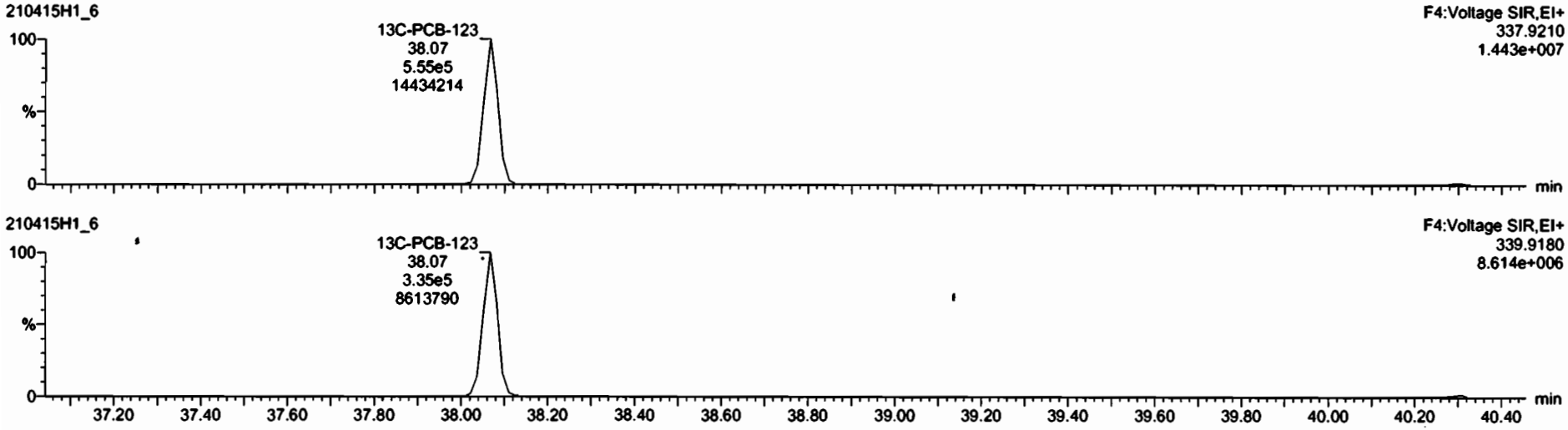

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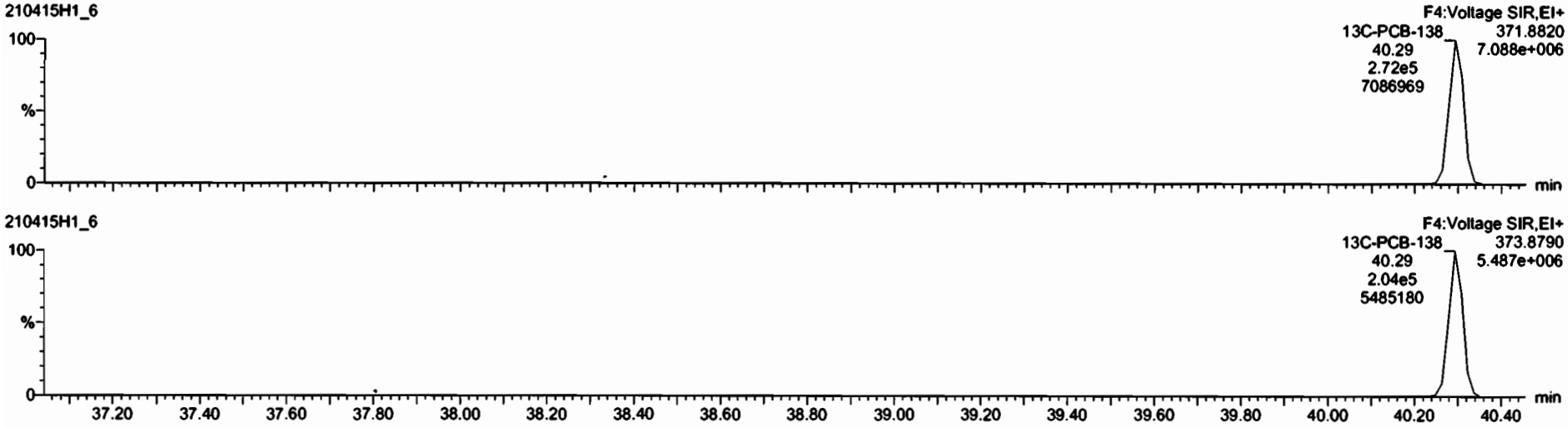

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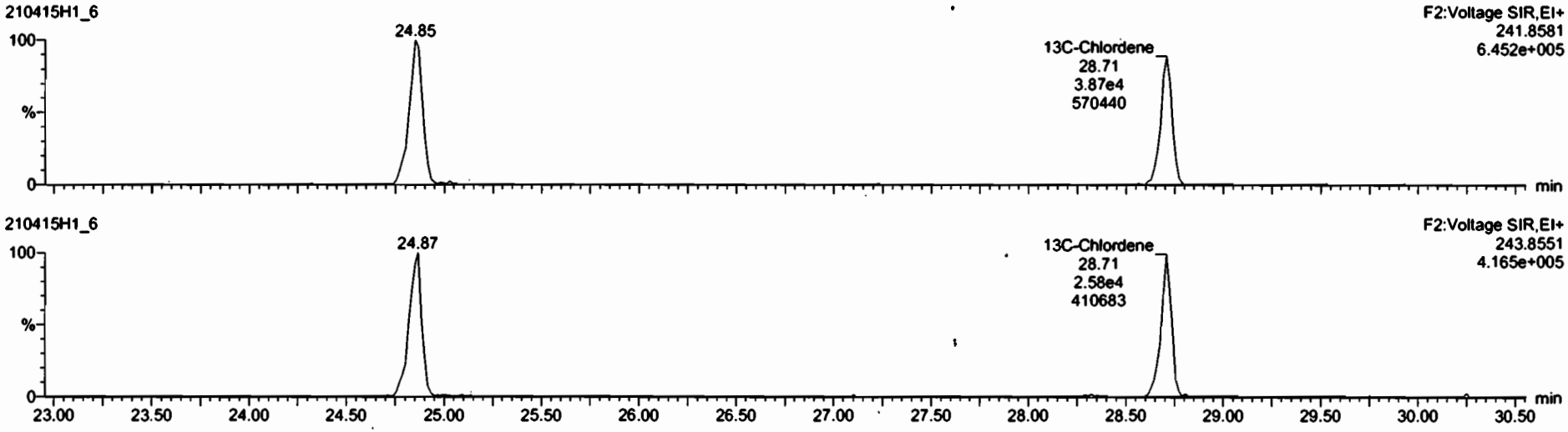
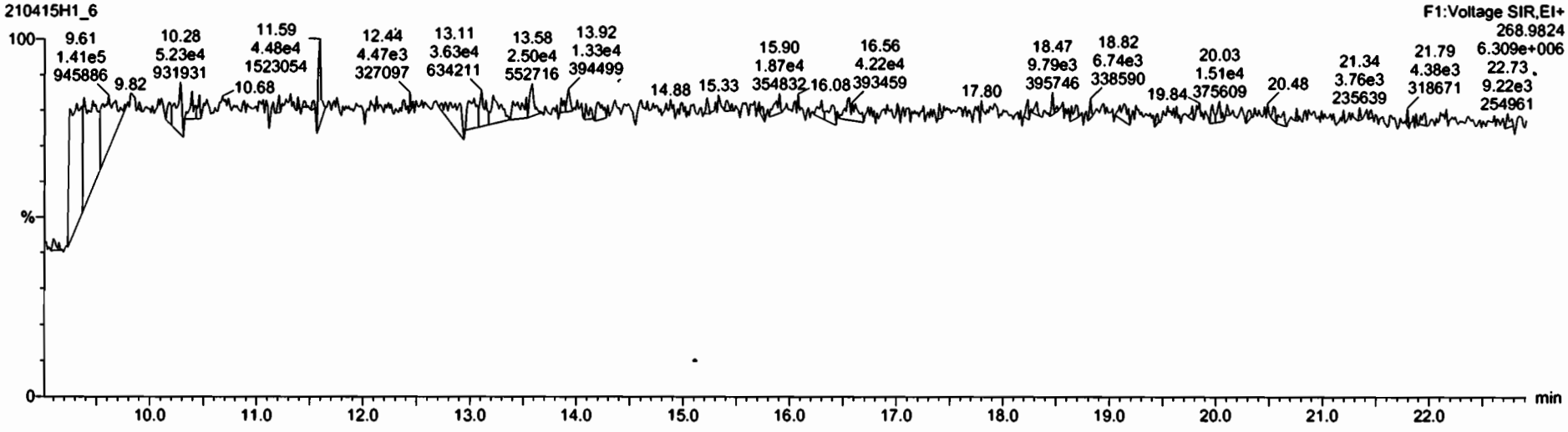
13C-Chlordene



PFK1



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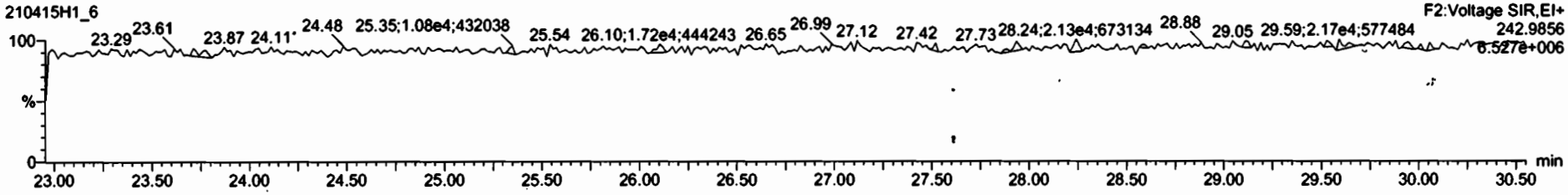
PFK2



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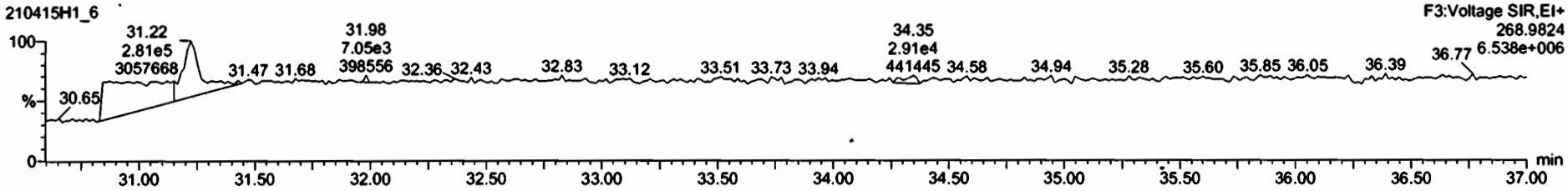
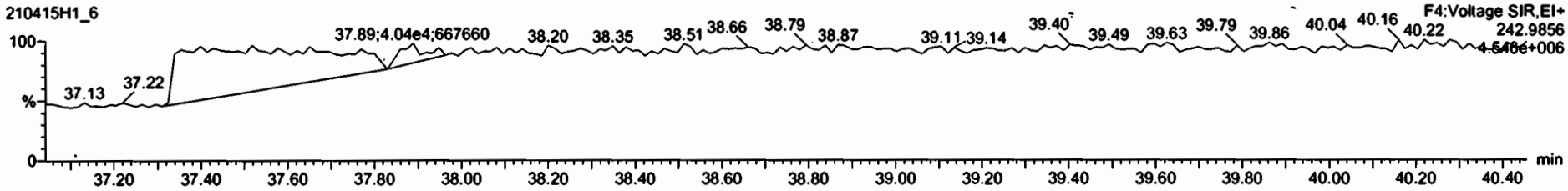
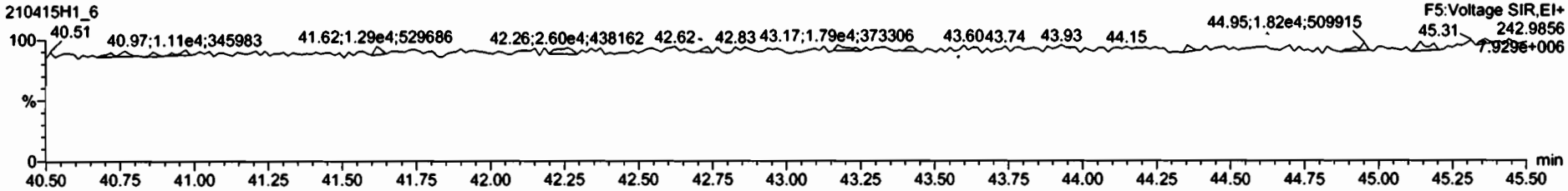


PFK4



PFK5



Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_14.qld

Last Altered: Friday, April 16, 2021 16:26:05 Pacific Daylight Time
Printed: Friday, April 16, 2021 16:30:19 Pacific Daylight Time

OC 04/28/21
DF 04/16/21
CT 05/03/2021

Method: Untitled 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_14, Date: 14-Apr-2021, Time: 20:18:36, ID: 2103216-09RE1 USMPDI-060RAB-20-28.1-210317 1.28, Description: USMPDI-060RAB-20-28.1-210317, Task: ST210414H1_1

	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	4 Lindane (gamma-...		1.21e5		NO	0.860	1.028 ✓			1.000	YES			4.27	
2	9 Aldrin	7.91e2	1.11e5	1.97	YES	1.09	1.028	30.84 ✓	1.001	1.001	NO	6.3570		1.80	5.48
3	10 Oxychlordane		3.76e4		NO	1.06	1.028			1.001	YES			5.08	
4	13 trans-Chlordane (g...	5.22e2	2.80e4	1.38	NO	1.14	1.028	35.06 ✓	1.001	1.001	NO	15.970		5.93	16.0
5	14 trans-Nonachlor		2.96e4		NO	1.06	1.028			1.000	YES			6.09	
6	15 cis-Chlordane	4.79e2	2.96e4	0.65	YES	1.16	1.028	35.75 ✓	1.014	1.015	NO	13.497		5.83	8.72
7	18 2,4'-DDE	3.06e4	7.95e5	1.44	NO	1.02	1.028	35.70 ✓	1.000	1.000	NO	36.472		1.66	36.5
8	19 4,4'-DDE	1.45e5	5.09e5	1.46	NO	1.04	1.028	36.77 ✓	1.000	1.000	NO	266.70		2.38	267
9	20 Dieldrin	1.19e3	5.32e4	1.01	YES	1.03	1.028	37.28 ✓	1.000	1.001	NO	21.156		5.66	17.4
10	22 cis-Nonachlor		2.30e4		NO	1.00	1.028			1.000	YES			14.3	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_14.qld

Last Altered: Friday, April 16, 2021 16:26:05 Pacific Daylight Time
Printed: Friday, April 16, 2021 16:30:36 Pacific Daylight Time

Method: Untitled 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_14, Date: 14-Apr-2021, Time: 20:18:36, ID: 2103216-09RE1 USMPDI-060RAB-20-28.1-210317 1.28, Description: USMPDI-060RAB-20-28.1-210317, Task: ST210414H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	24	2,4'-DDD	3.62e5	6.04e5	1.64	NO	1.07	1.028	37.90	1.000	1.000	NO	547.59		3.78	548
2	25	2,4'-DDT	4.42e4	2.60e5	1.48	NO	1.05	1.028	39.02	1.000	1.000	NO	157.87		7.71	158
3	26	4,4'-DDD	9.25e5	4.05e5	1.61	NO	1.16	1.028	39.15	1.000	1.000	NO	1910.1		4.63	1910
4	27	4,4'-DDT	1.02e5	1.74e5	1.61	NO	1.13	1.028	40.20	1.000	1.001	NO	503.02		10.3	503
5	36	13C6-Lindane (ga...	1.21e5	1.26e6	0.79	NO	0.194	1.028	26.57	1.019	1.019	NO	481.62	49.5	117	
6	40	13C12-Aldrin	1.11e5	1.26e6	1.62	NO	0.154	1.028	30.80	1.181	1.181	NO	553.48	56.9	2.52	
7	41	13C10-Oxychlorda...	3.76e4	1.26e6	1.74	NO	0.0404	1.028	33.35	1.279	1.280	NO	715.57	73.6	9.62	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_14.qld

Last Altered: Friday, April 16, 2021 16:26:05 Pacific Daylight Time
Printed: Friday, April 16, 2021 16:30:48 Pacific Daylight Time

Method: Untitled 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_14, Date: 14-Apr-2021, Time: 20:18:36, ID: 2103216-09RE1 USMPDI-060RAB-20-28.1-210317 1.28, Description: USMPDI-060RAB-20-28.1-210317, Task: ST210414H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	43	13C10-trans-Chlor...	2.80e4	1.26e6	1.71	NO	0.0358	1.028	35.03	1.344	1.344	NO	600.29	61.7	10.9	
2	44	13C10-trans-Nona...	2.96e4	5.14e5	1.41	NO	0.0638	1.028	35.24	0.983	0.983	NO	877.95	90.3	9.19	
3	46	13C12-2,4'-DDE	7.95e5	5.14e5	1.56	NO	1.43	1.028	35.69	0.996	0.995	NO	1048.9	108	1.79	
4	47	13C12-4,4'-DDE	5.09e5	5.14e5	1.54	NO	0.995	1.028	36.75	1.025	1.026	NO	968.53	99.6	2.59	
5	48	13C12-Dieldrin	5.32e4	5.14e5	1.57	NO	0.146	1.028	37.26	1.039	1.040	NO	687.60	70.7	5.25	
6	50	13C10-cis-Nonach...	2.30e4	5.14e5	1.66	NO	0.0791	1.028	38.94	1.086	1.087	NO	550.36	56.6	9.70	
7	52	13C12-2,4'-DDD	6.04e5	5.14e5	1.61	NO	1.35	1.028	37.89	1.057	1.057	NO	843.52	86.7	4.28	
8	53	13C12-2,4'-DDT	2.60e5	5.14e5	1.56	NO	0.962	1.028	39.00	1.088	1.089	NO	511.73	52.6	6.01	
9	54	13C12-4,4'-DDD	4.05e5	5.14e5	1.60	NO	1.12	1.028	39.14	1.092	1.092	NO	681.09	70.0	5.15	
10	55	13C12-4,4'-DDT	1.74e5	5.14e5	1.63	NO	0.735	1.028	40.19	1.121	1.122	NO	446.91	46.0	7.87	
11	62	13C-PCB-15	1.26e6	1.26e6	1.57	NO	1.00	1.028	26.07	1.000	1.000	NO	972.39	100	0.645	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_14.qld

Last Altered: Friday, April 16, 2021 16:26:05 Pacific Daylight Time
Printed: Friday, April 16, 2021 16:30:55 Pacific Daylight Time

Method: Untitled 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_14, Date: 14-Apr-2021, Time: 20:18:36, ID: 2103216-09RE1 USMPDI-060RAB-20-28.1-210317 1.28, Description: USMPDI-060RAB-20-28.1-210317, Task: ST210414H1_1

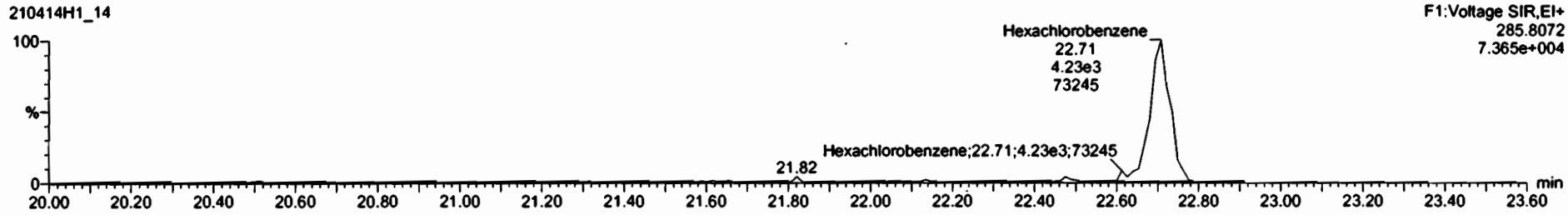
	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	63	13C-PCB-60	5.14e5	5.14e5	0.83	NO	1.00	1.028	35.85	1.000	1.000	NO	972.39	100	1.20	

Dataset: Untitled

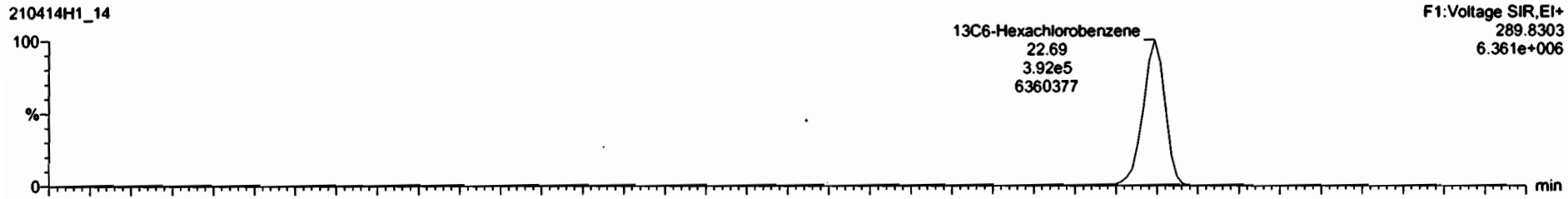
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

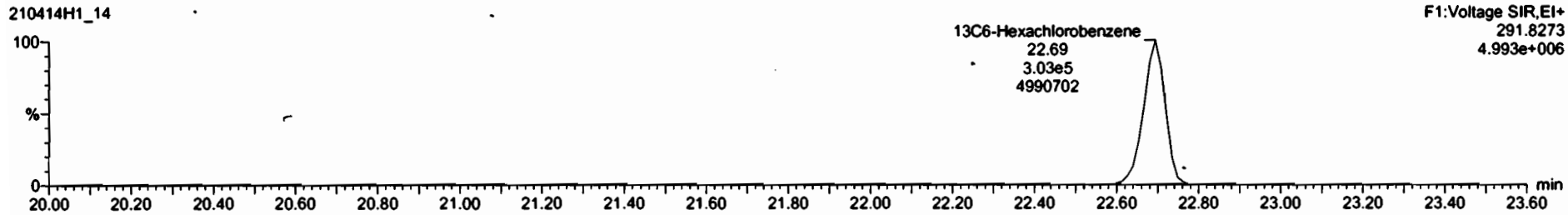
Name: 210414H1_14, Date: 14-Apr-2021, Time: 20:18:36, ID: 2103216-09RE1 USMPDI-060RAB-20-28.1-210317 1.28, Description: USMPDI-060RAB-20-28.1-210317

Hexachlorobenzene



13C6-Hexachlorobenzene





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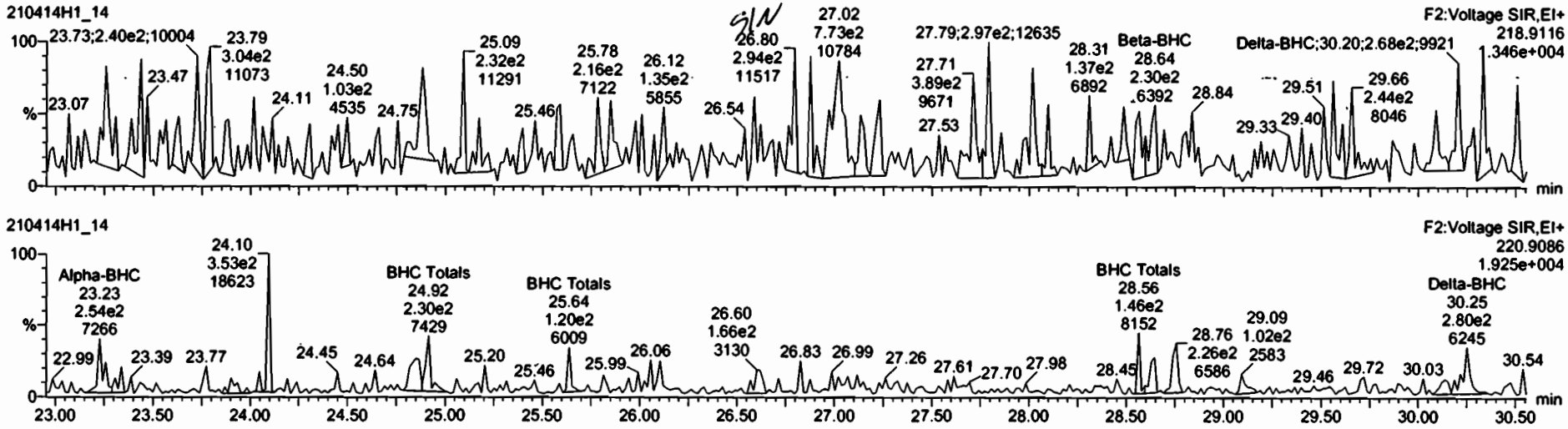
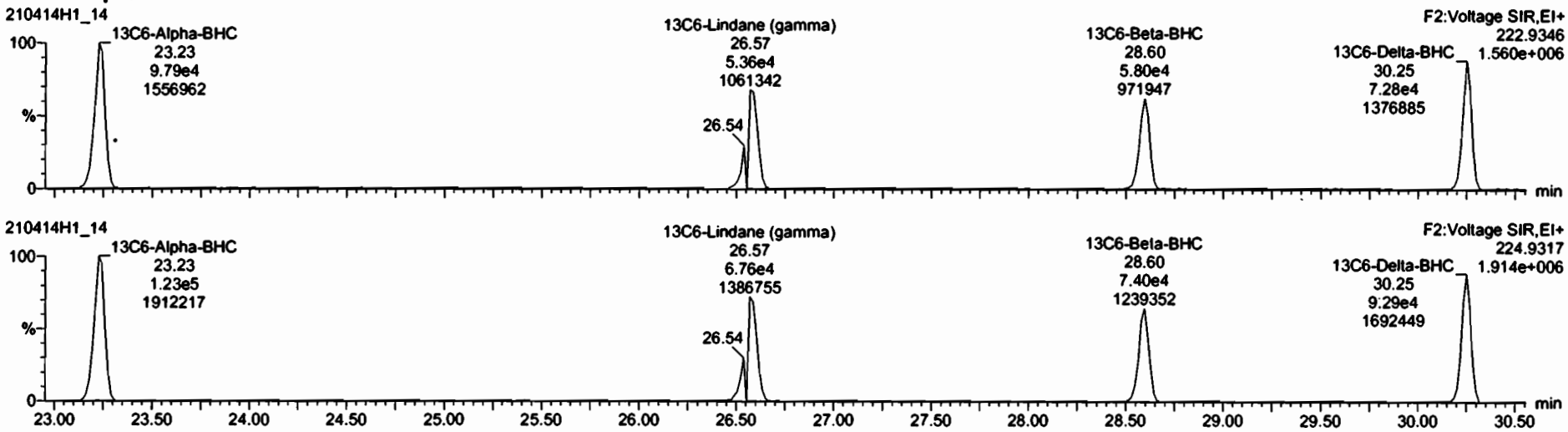
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_14, Date: 14-Apr-2021, Time: 20:18:36, ID: 2103216-09RE1 USMPDI-060RAB-20-28.1-210317 1.28, Description: USMPDI-060RAB-20-28.1-210317

BHC Totals



BHC-isotopes



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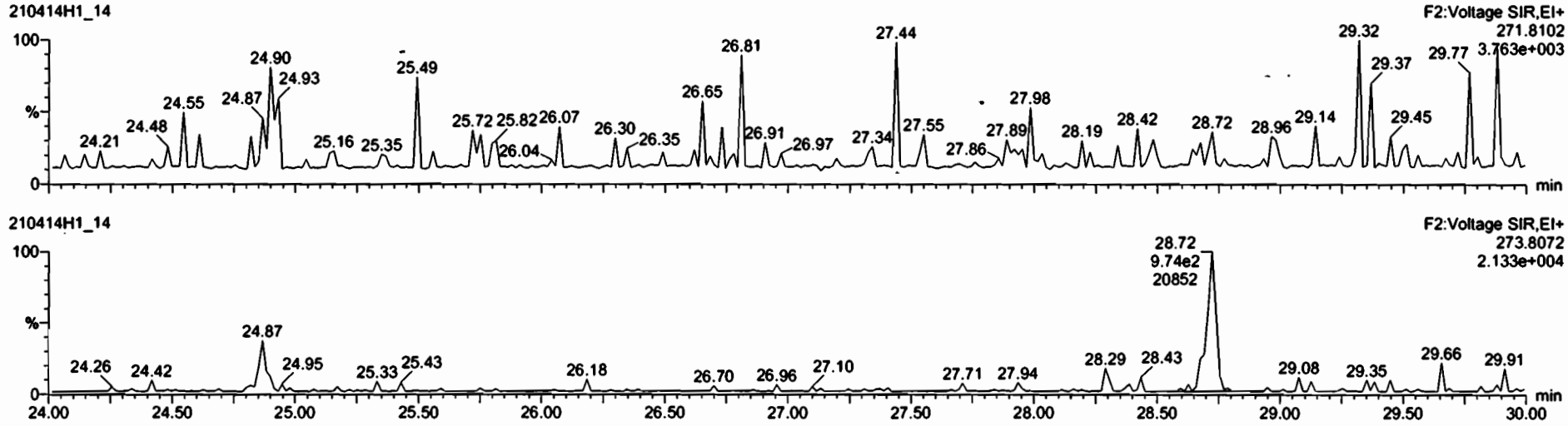
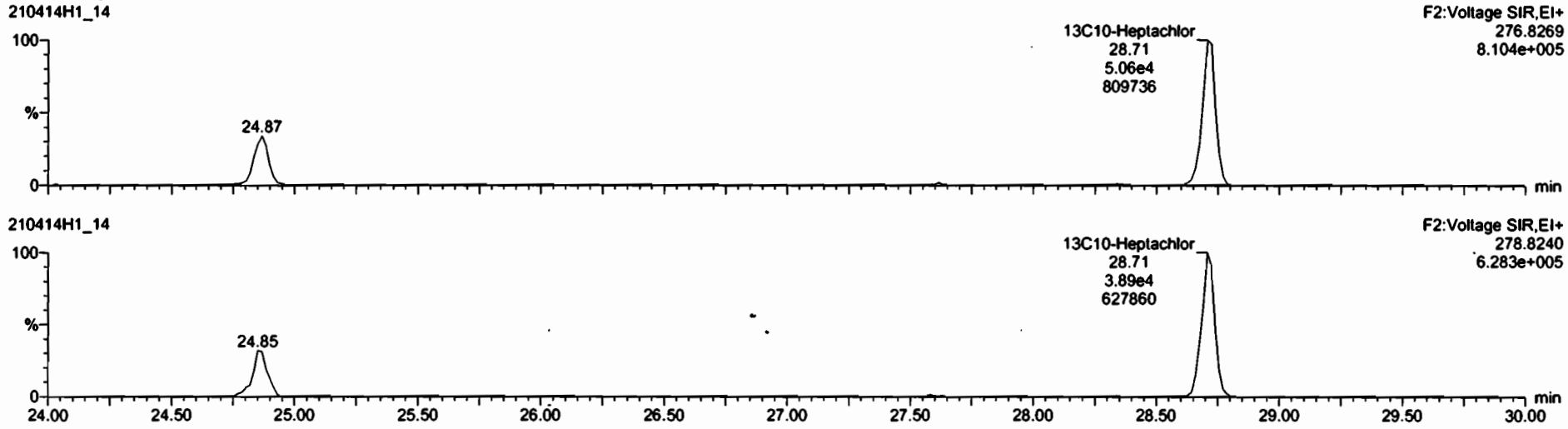
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_14, Date: 14-Apr-2021, Time: 20:18:36, ID: 2103216-09RE1 USMPDI-060RAB-20-28.1-210317 1.28, Description: USMPDI-060RAB-20-28.1-210317

Heptachlor



13C10-Heptachlor



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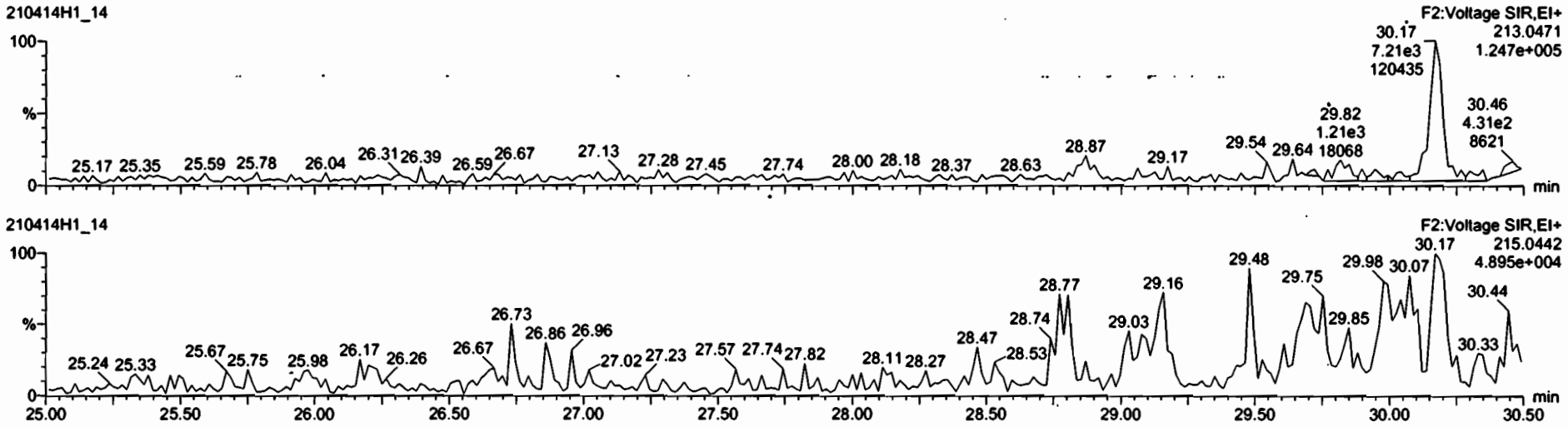
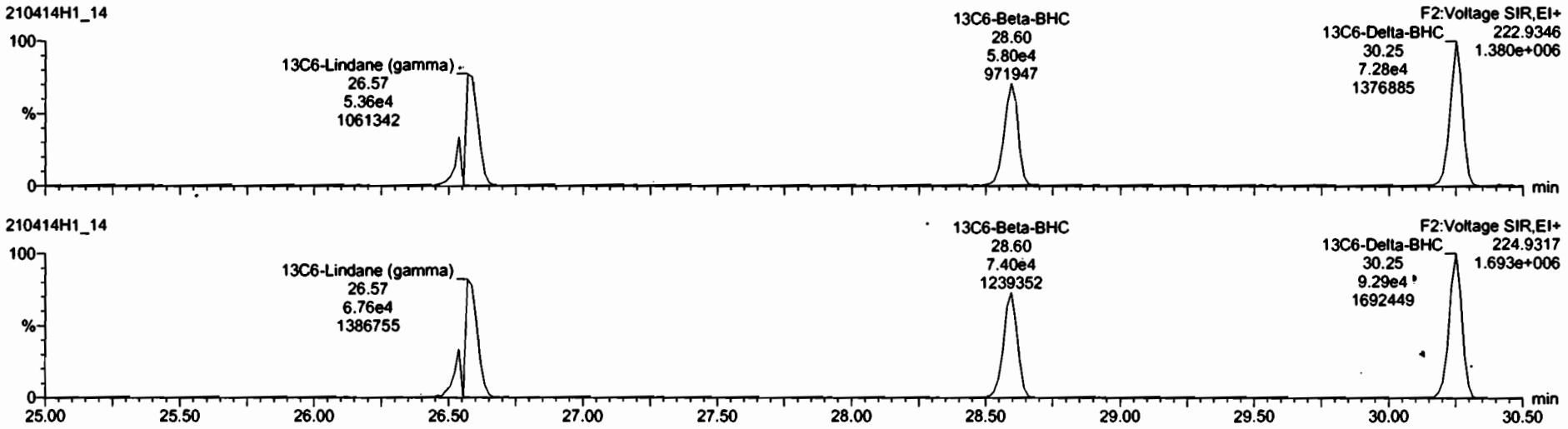
Name: 210414H1_14, Date: 14-Apr-2021, Time: 20:18:36, ID: 2103216-09RE1 USMPDI-060RAB-20-28.1-210317 1.28, Description: USMPDI-060RAB-20-28.1-210317

4,4'-DDNU



13C6-Delta-BHC



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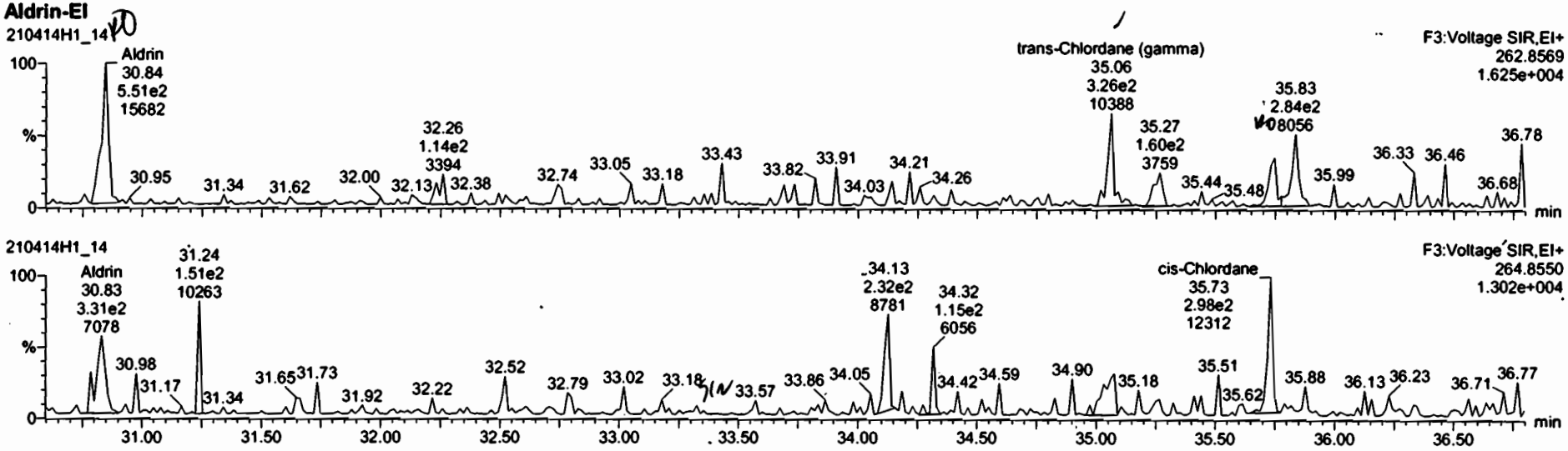
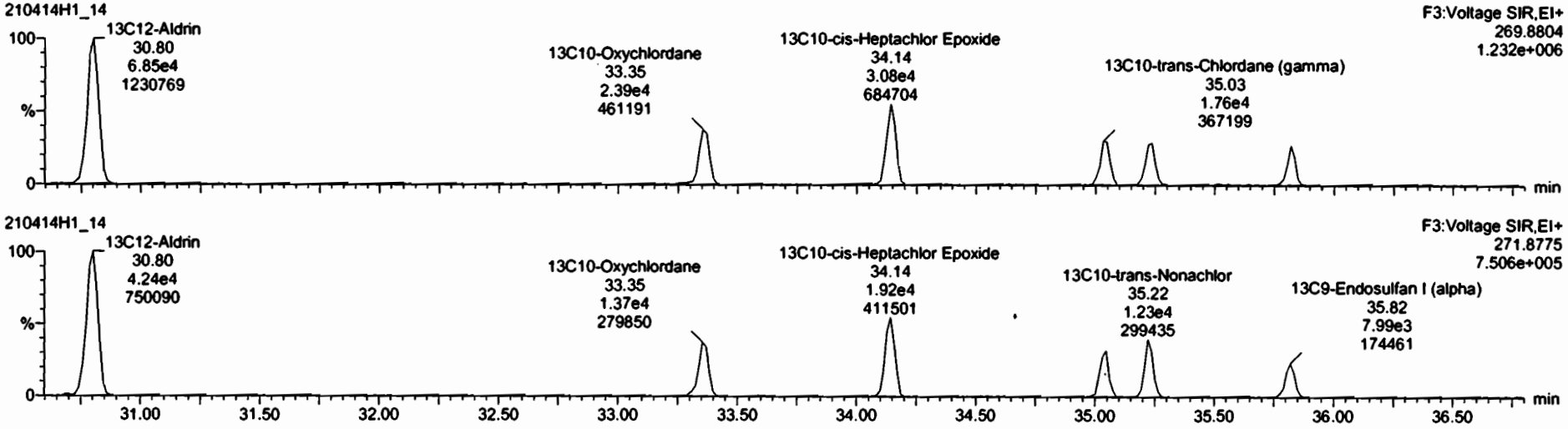
Name: 210414H1_14, Date: 14-Apr-2021, Time: 20:18:36, ID: 2103216-09RE1 USMPDI-060RAB-20-28.1-210317 1.28, Description: USMPDI-060RAB-20-28.1-210317

Aldrin-EI



Aldrin-EI-isotopes

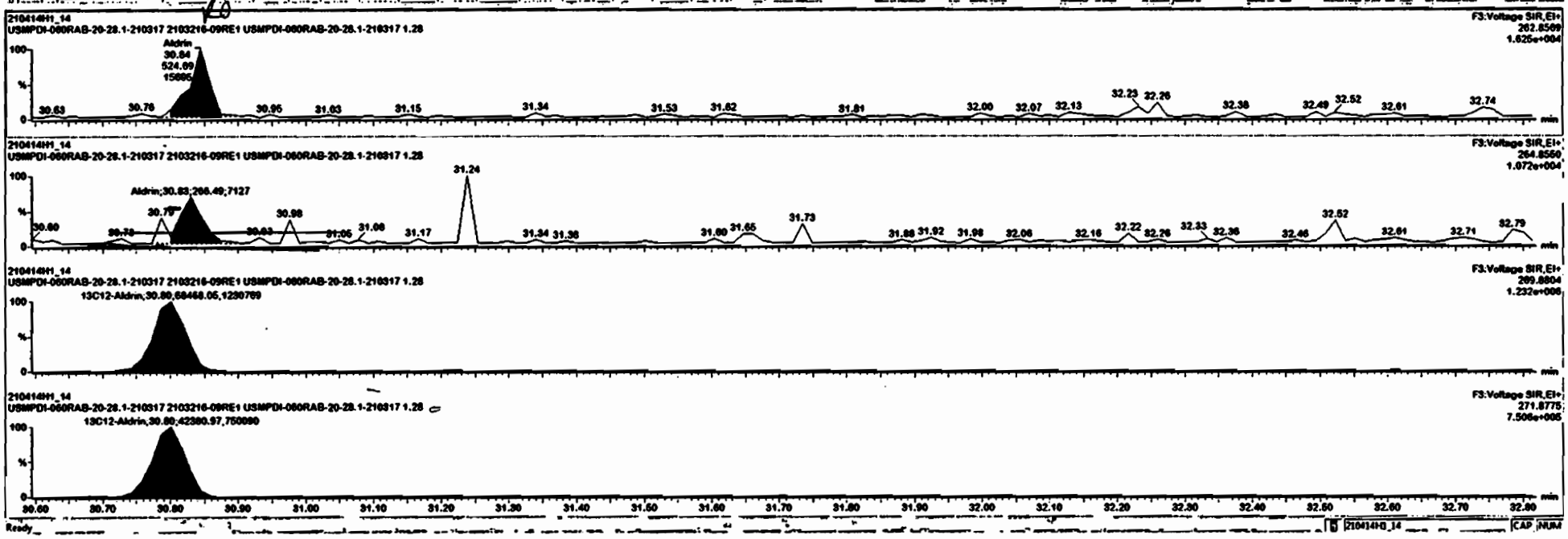


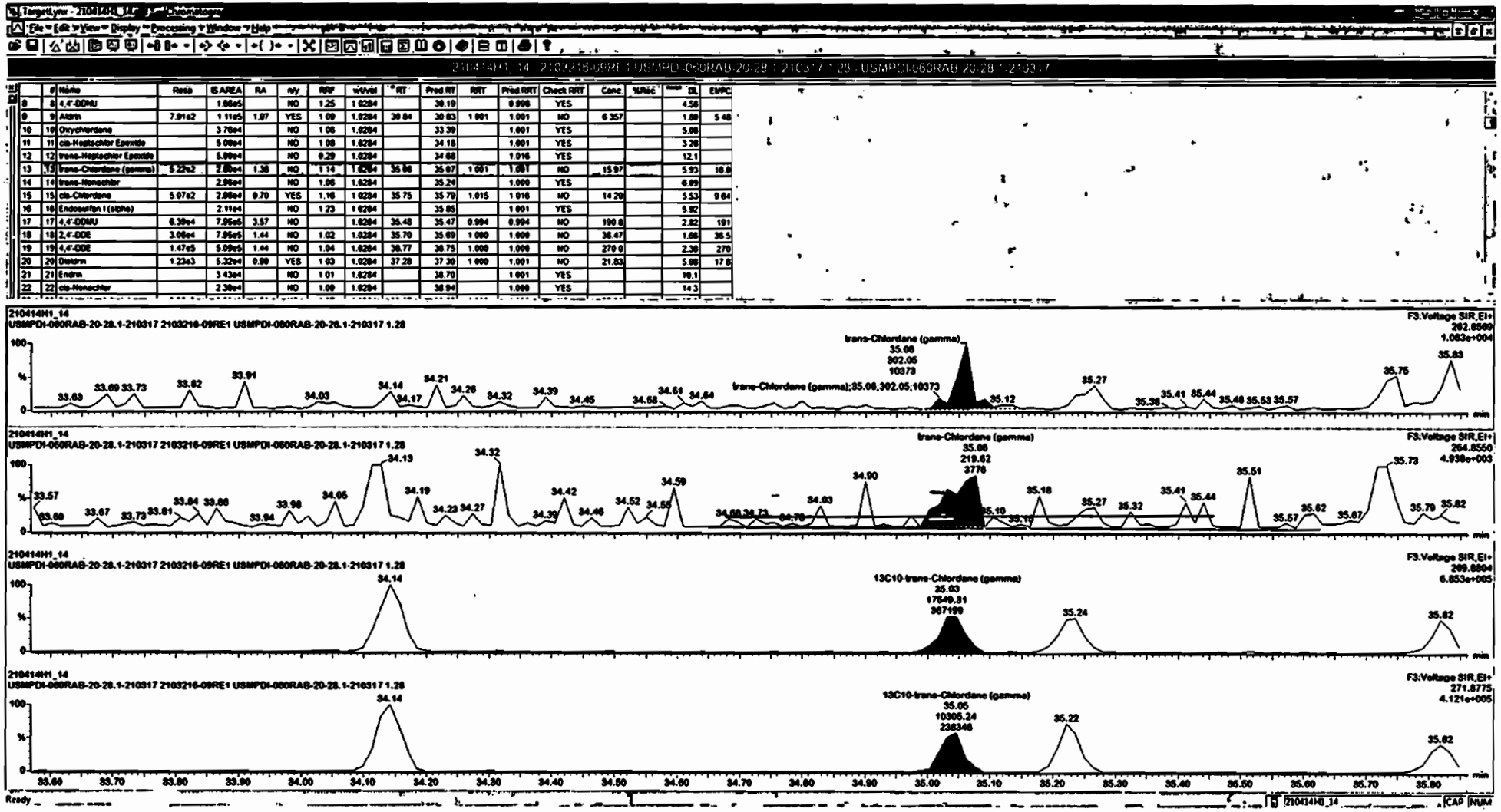
TargetLynx - 210414H1_14 - Chromatogram

File Edit View Display Processing Window Help

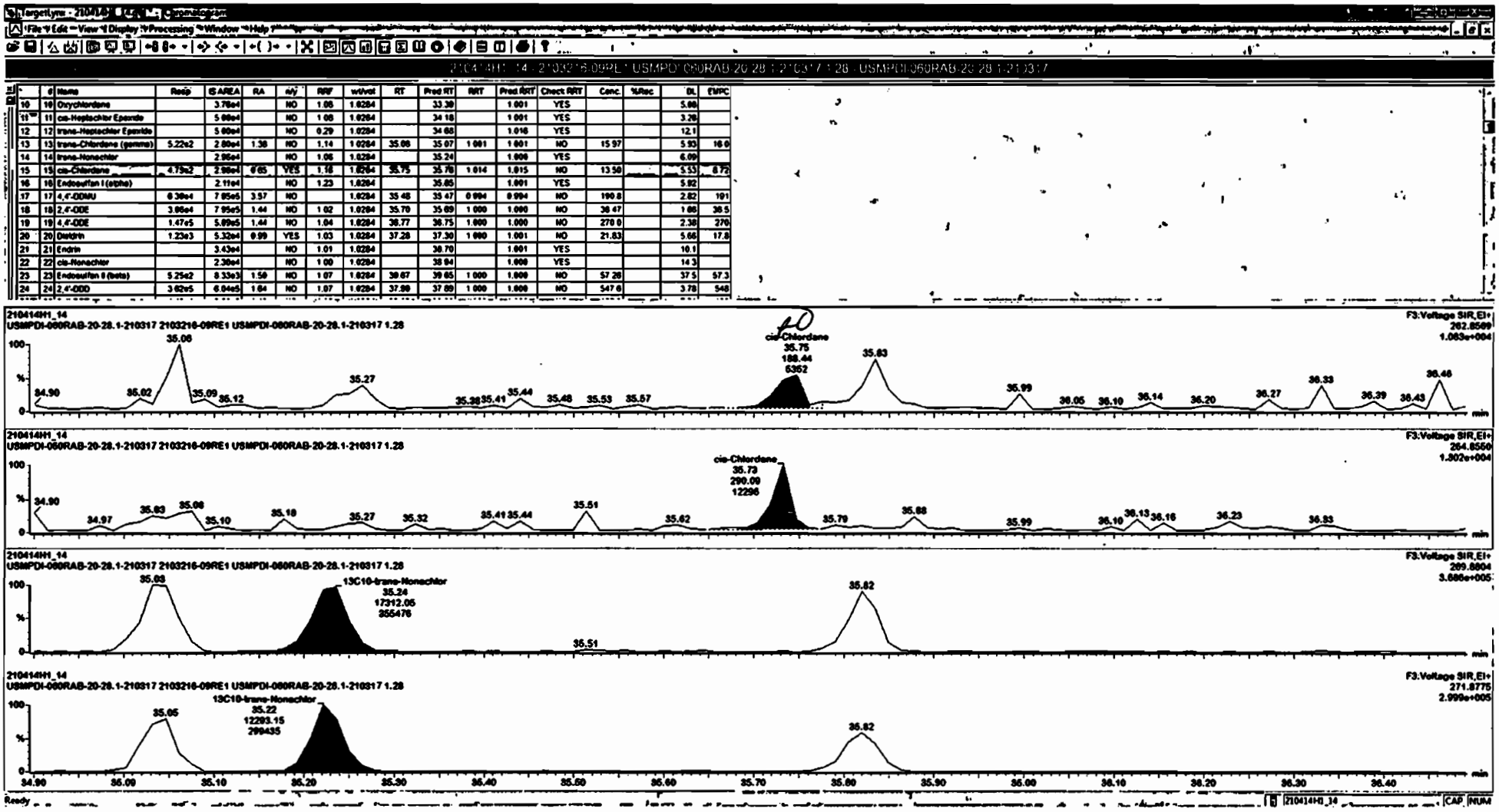
210414H1_14 - 2103216-09RE1 USMPDI-060RAB-20-28.1-210317 1.28 - USMPDI-060RAB-20-28.1-210317

	#	Name	Resp	S AREA	RA	n/y	RRF	wt/vol	RT	Pred.RT	RRT	Pred.RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1	Hexachlorobutadiene	6.23e4	1.04e5	0.07	YES	0.10	1.0284	9.98	9.99	1.001	1.002	NO	5678		2.88	669
2	2	Hexachlorobenzene	9.63e3	6.95e5	1.28	NO	0.98	1.0284	22.71	22.71	1.001	1.000	NO	13.70		0.108	13.7
3	3	Alpha-BHC	6.68e2	2.21e5	1.63	NO	0.83	1.0284	23.26	23.26	1.001	1.001	NO	3.558		3.03	3.56
4	4	Lindane (gamma-BHC)		1.21e5		NO	0.86	1.0284		26.58		1.000	YES			4.27	
5	5	Beta-BHC	3.95e2	1.32e5	1.39	YES	1.00	1.0284	28.64	28.62	1.002	1.001	NO	2.917		3.99	2.51
6	6	Delta-BHC	5.58e2	1.66e5	0.99	YES	0.91	1.0284	30.33	30.26	1.003	1.001	NO	3.609		3.10	2.66
7	7	Heptachlor		8.95e4		NO	1.10	1.0284		28.74		1.001	YES			1.52	
8	8	4,4'-DDNU		1.68e5		NO	1.25	1.0284		30.19		0.998	YES			4.56	
9	9	Aldrin	7.91e2	1.11e5	1.97	YES	1.09	1.0284	30.84	30.83	1.001	1.001	NO	6.357		1.80	5.48
10	10	Oxychlordane		3.76e4		NO	1.06	1.0284		33.39		1.001	YES			5.08	
11	11	cis-Heptachlor Epoxide		5.00e4		NO	1.08	1.0284		34.18		1.001	YES			3.28	
12	12	trans-Heptachlor Epoxide		5.00e4		NO	0.29	1.0284		34.68		1.016	YES			12.1	
13	13	trans-Chlordane (gamma)	5.60e2	2.80e4	1.39	NO	1.14	1.0284	35.06	35.07	1.001	1.001	NO	17.16		5.03	17.2
14	14	trans-Nonachlor		2.98e4		NO	1.08	1.0284		35.24		1.000	YES			6.09	
15	15	cis-Chlordane	5.07e2	2.98e4	0.70	YES	1.16	1.0284	35.75	35.79	1.015	1.016	NO	14.29		5.53	9.64





	#	Name	Resp	IS AREA	RA	+/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
8	8	4,4'-DDMU		1.66e5		NO	1.25	1.0284		30.19		0.998	YES			4.56	
9	9	Aldrin	7.91e2	1.11e5	1.97	YES	1.09	1.0284	30.84	30.83	1.001	1.001	NO	6.357		1.89	5.48
10	10	Oxychlordane		3.78e4		NO	1.06	1.0284		33.39		1.001	YES			5.06	
11	11	cis-Heptachlor Epoxide		5.99e4		NO	1.06	1.0284		34.18		1.001	YES			3.28	
12	12	trans-Heptachlor Epoxide		5.99e4		NO	0.29	1.0284		34.68		1.016	YES			12.1	
13	13	trans-Chlordane (gamma)	5.22e2	7.86e4	1.36	NO	1.14	1.0284	35.06	35.07	1.001	1.001	NO	15.97		5.93	10.8
14	14	trans-Nonachlor		2.96e4		NO	1.06	1.0284		35.24		1.000	YES			6.09	
15	15	cis-Chlordane	5.07e2	2.98e4	0.70	YES	1.16	1.0284	35.75	35.79	1.015	1.016	NO	14.29		5.53	9.64
16	16	Endosulfan I (alpha)		2.11e4		NO	1.23	1.0284		35.85		1.001	YES			5.92	
17	17	4,4'-DDMU	6.39e4	7.95e5	3.57	NO		1.0284	36.48	36.47	0.994	0.994	NO	190.8		2.82	191
18	18	2,4'-DDE	3.06e4	7.95e5	1.44	NO	1.02	1.0284	35.70	35.69	1.000	1.000	NO	36.47		1.68	36.5
19	19	4,4'-DDE	1.47e5	5.09e5	1.44	NO	1.04	1.0284	36.77	36.75	1.000	1.000	NO	270.0		2.36	270
20	20	Dieldrin	1.23e3	5.32e4	0.99	YES	1.03	1.0284	37.28	37.30	1.000	1.001	NO	21.83		5.68	17.8
21	21	Endrin		3.43e4		NO	1.01	1.0284		38.70		1.001	YES			10.1	
22	22	cis-Nonachlor		2.39e4		NO	1.09	1.0284		38.94		1.000	YES			14.3	



	#	Name	Resp	S AREA	RA	adj	RRF	w/wt	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
10	10	Oxychlordane		3.78e4		NO	1.06	1.0284		33.39		1.001	YES			5.66	
11	11	cis-Heptachlor Epoxide		5.66e4		NO	1.06	1.0284		34.18		1.001	YES			3.26	
12	12	trans-Heptachlor Epoxide		5.60e4		NO	0.29	1.0284		34.68		1.016	YES			12.1	
13	13	trans-Chlordane (gamma)	5.22e2	2.80e4	1.38	NO	1.14	1.0284	35.08	35.07	1.001	1.001	NO	15.97		5.93	16.0
14	14	trans-Nonachlor		2.95e4		NO	1.06	1.0284		35.24		1.000	YES			6.09	
15	15	cis-Chlordane	4.79e2	2.66e4	0.65	YES	1.16	1.0284	35.75	35.76	1.014	1.015	NO	13.50		5.53	8.72
16	16	Endosulfan I (alpha)		2.11e4		NO	1.23	1.0284		35.85		1.001	YES			5.92	
17	17	4,4'-DDMU	6.36e4	7.95e5	3.57	NO		1.0284	35.48	35.47	0.994	0.994	NO	190.8		2.82	191
18	18	2,4'-DDE	3.86e4	7.95e5	1.44	NO	1.02	1.0284	35.70	35.69	1.000	1.000	NO	38.47		1.66	38.5
19	19	4,4'-DDE	1.47e5	5.69e5	1.44	NO	1.04	1.0284	36.77	36.75	1.000	1.000	NO	276.0		2.38	276
20	20	Dieldrin	1.23e3	5.32e4	0.99	YES	1.03	1.0284	37.28	37.30	1.000	1.001	NO	21.83		5.66	17.8
21	21	Endrin		3.43e4		NO	1.01	1.0284		38.70		1.001	YES			10.1	
22	22	cis-Nonachlor		2.38e4		NO	1.00	1.0284		38.84		1.000	YES			14.3	
23	23	Endosulfan II (beta)	5.25e2	8.33e3	1.56	NO	1.07	1.0284	39.67	39.65	1.000	1.000	NO	57.28		37.5	57.3
24	24	2,4'-DDD	3.62e5	6.04e5	1.84	NO	1.07	1.0284	37.99	37.89	1.000	1.000	NO	547.6		3.78	548

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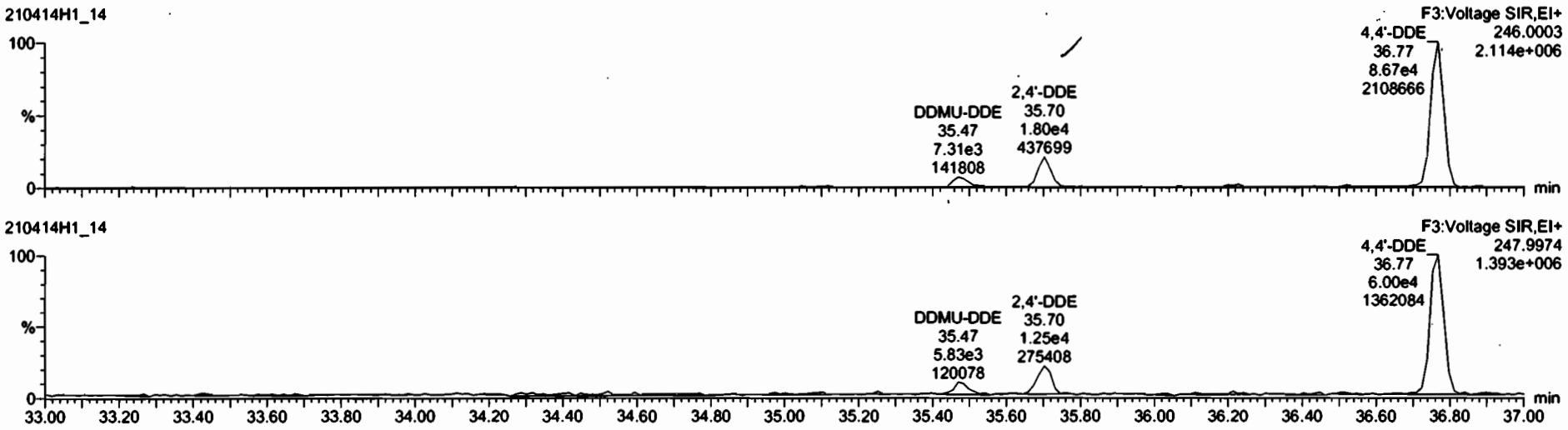
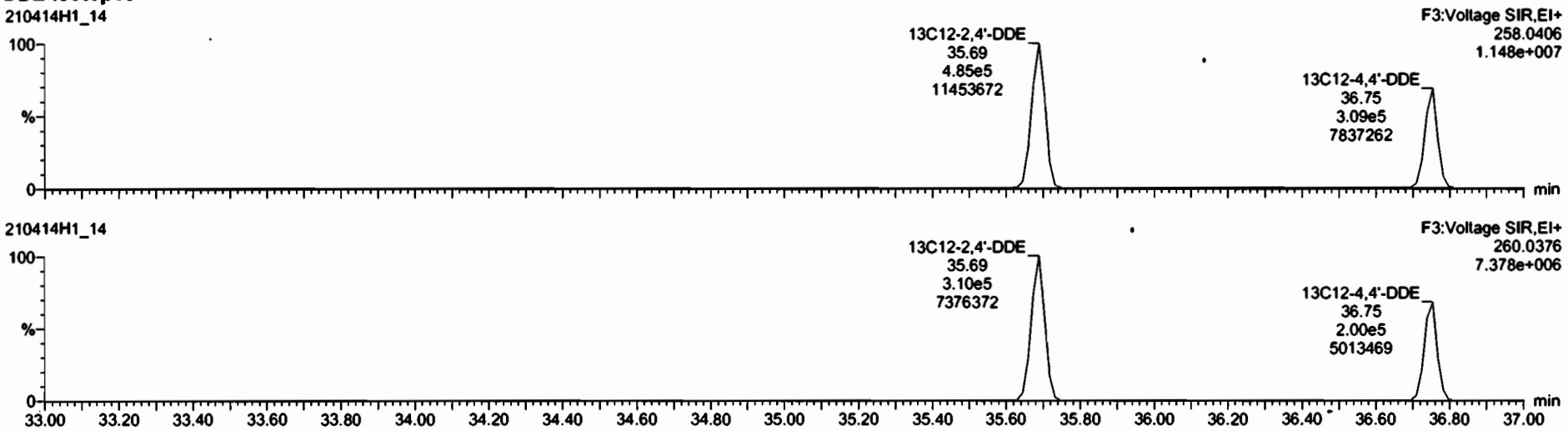
Name: 210414H1_14, Date: 14-Apr-2021, Time: 20:18:36, ID: 2103216-09RE1 USMPDI-060RAB-20-28.1-210317 1.28, Description: USMPDI-060RAB-20-28.1-210317

DDMU-DDE

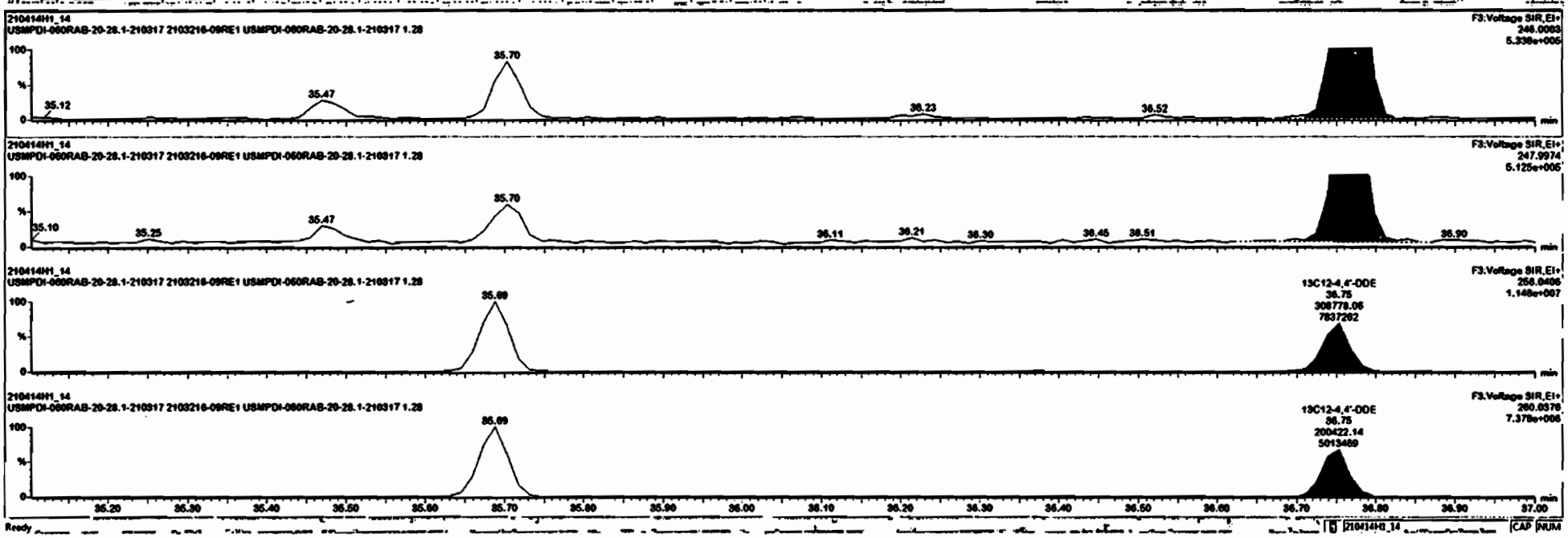


DDE-isotopes



210414H1_14 - 2103216-09RE1 USMPDI-060RAB-20-28.1-210317 1.28 - USMPDI-060RAB-20-28.1-210317

	#	Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
10	10	Oxychlordane		3.76e4		NO	1.06	1.0284		33.39		1.001	YES			5.08	
11	11	cis-Heptachlor Epoxide		5.00e4		NO	1.08	1.0284		34.18		1.001	YES			3.28	
12	12	trans-Heptachlor Epoxide		5.00e4		NO	0.29	1.0284		34.68		1.016	YES			12.1	
13	13	trans-Chlordane (gamma)	5.22e2	2.80e4	1.38	NO	1.14	1.0284	35.08	35.07	1.001	1.001	NO	15.97		5.93	16.0
14	14	trans-Nonachlor		2.96e4		NO	1.06	1.0284		35.24		1.000	YES			6.09	
15	15	cis-Chlordane	4.79e2	2.98e4	0.65	YES	1.16	1.0284	35.75	35.76	1.014	1.015	NO	13.50		5.53	8.72
16	16	Endosulfan I (alpha)		2.11e4		NO	1.23	1.0284		35.85		1.001	YES			5.82	
17	17	4,4'-DDMU	6.39e4	7.95e5	3.57	NO		1.0284	35.48	35.47	0.994	0.994	NO	190.8		2.82	191
18	18	2,4'-DDE	3.06e4	7.95e5	1.44	NO	1.02	1.0284	35.70	35.69	1.000	1.000	NO	36.47		1.68	36.5
19	19	4,4'-DDE	1.45e5	5.00e5	1.48	NO	1.04	1.0284	36.77	36.75	1.000	1.000	NO	266.7		2.38	267
20	20	Dieldrin	1.23e3	5.32e4	0.99	YES	1.03	1.0284	37.28	37.38	1.000	1.001	NO	21.83		5.66	17.8
21	21	Endrin		3.43e4		NO	1.01	1.0284		38.70		1.001	YES			10.1	
22	22	cis-Nonachlor		2.39e4		NO	1.09	1.0284		38.94		1.000	YES			14.3	
23	23	Endosulfan II (beta)	5.25e2	8.33e3	1.50	NO	1.07	1.0284	39.67	39.65	1.000	1.000	NO	57.28		37.5	57.3
24	24	2,4'-DDD	3.62e5	6.04e5	1.64	NO	1.07	1.0284	37.99	37.89	1.000	1.000	NO	547.6		3.78	548



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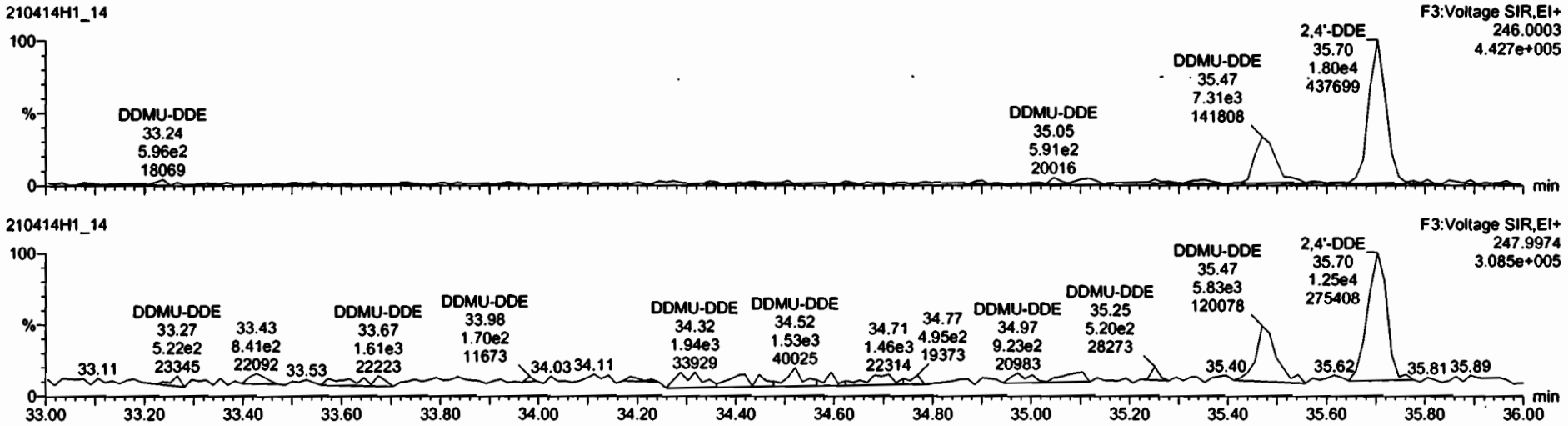
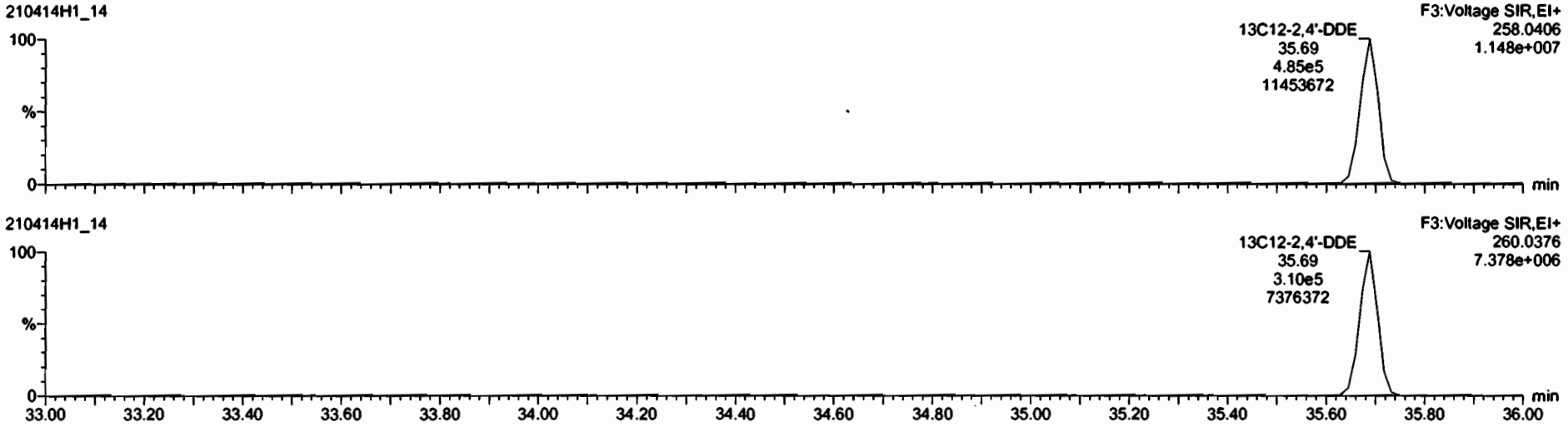
Name: 210414H1_14, Date: 14-Apr-2021, Time: 20:18:36, ID: 2103216-09RE1 USMPDI-060RAB-20-28.1-210317 1.28, Description: USMPDI-060RAB-20-28.1-210317

2,4'-DDE



13C12-2,4'-DDE



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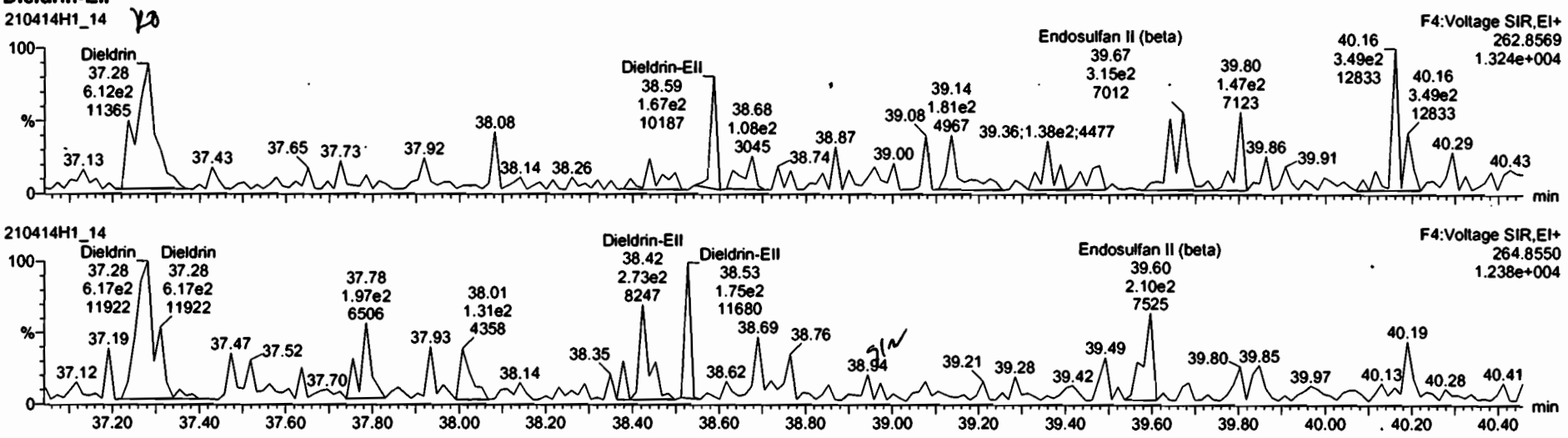
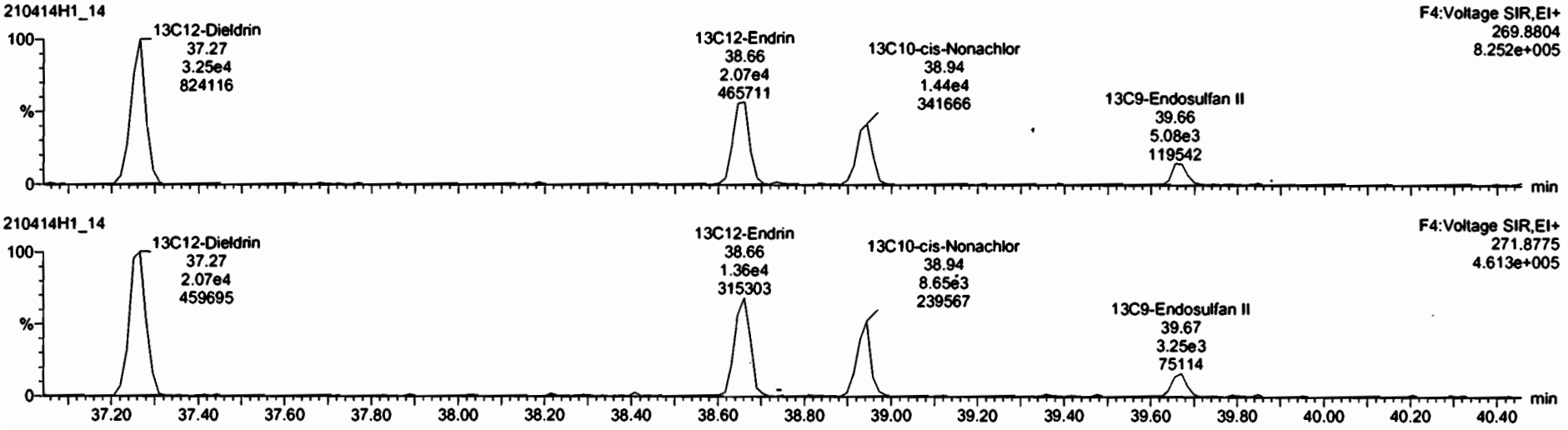
Dieldrin-EII



Dieldrin-EII-isotopes

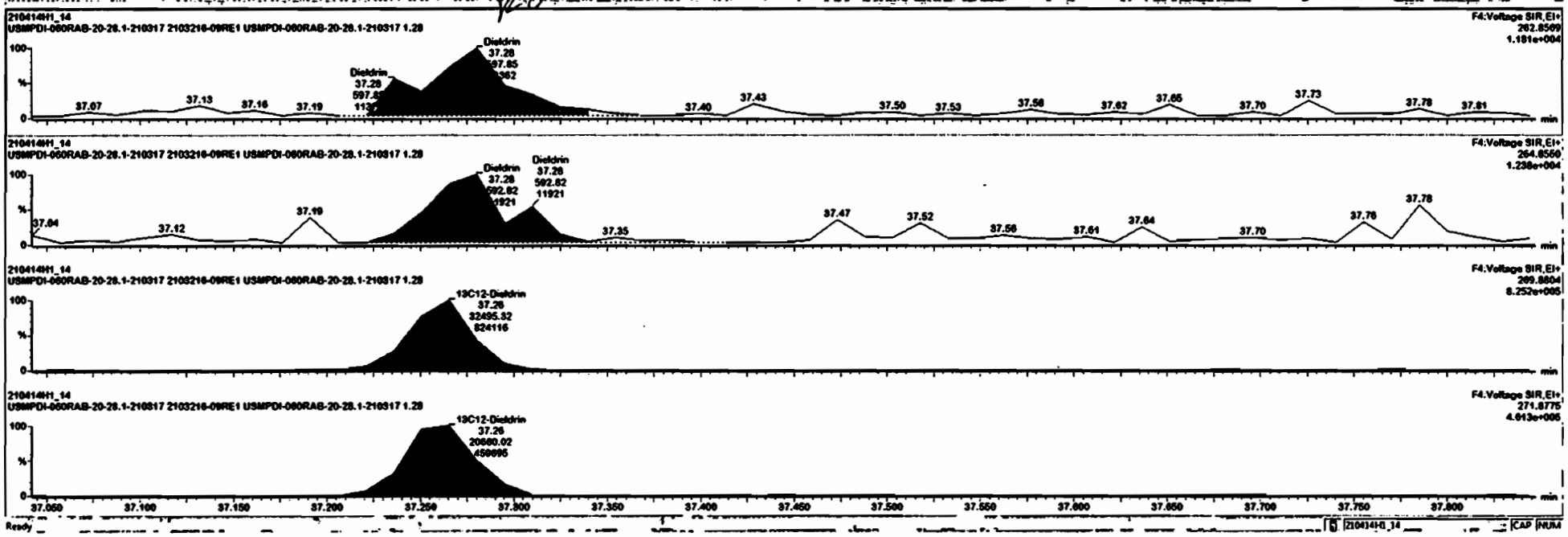


TargetLynx - 210414H1_14 - Chromatogram

File Edit View Display Processing Window Help

210414H1_14 - 2103216-09RE1 USMPDI-060RAB-20-28.1-210317 1.28 - USMPDI-060RAB-20-28.1-210317

*	#	Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
20	20	Dieldrin	1.19e3	5.32e4	1.01	YES	1.03	1.0284	37.28	37.30	1.000	1.001	NO	21.18		5.08	17.4
21	21	Endrin		3.43e4		NO	1.01	1.0284		38.70		1.001	YES			10.1	
22	22	cis-Nonachlor		2.30e4		NO	1.00	1.0284		38.94		1.000	YES			14.3	
23	23	Endosulfan II (beta)	5.25e2	8.33e3	1.50	NO	1.07	1.0284	39.67	39.65	1.000	1.000	NO	57.26		37.5	57.3
24	24	2,4'-DDD	3.62e5	6.04e5	1.64	NO	1.07	1.0284	37.90	37.89	1.000	1.000	NO	547.6		3.78	548
25	25	2,4'-DDT	4.42e4	2.68e5	1.48	NO	1.05	1.0284	39.02	39.00	1.000	1.000	NO	157.9		7.71	158
26	26	4,4'-DDD	9.25e5	4.05e5	1.61	NO	1.16	1.0284	39.15	39.14	1.000	1.000	NO	1910		4.63	1910
27	27	4,4'-DDT	1.02e5	1.74e5	1.61	NO	1.13	1.0284	40.20	40.23	1.000	1.001	NO	503.0		10.3	503
28	28	Endosulfan Sulfate		9.08e3		NO	1.04	1.0284		41.38		1.000	YES			16.2	
29	29	4,4'-Methoxychlor		1.41e6		NO	1.22	1.0284		43.24		1.000	YES			69.9	
30	30	Mirex		6.18e4		NO	1.03	1.0284		43.88		1.001	YES			4.69	
31	31	Endrin Aldehyde		6.20e4		NO	1.03	1.0284		40.78		1.000	YES			33.3	
32	32	Endrin Ketone		9.14e4		NO	0.93	1.0284		43.96		1.000	YES			26.7	
33	33	13C4-Hexachlorobutadi...	1.04e6	1.26e6	1.27	NO	0.16	1.0284	9.97	9.96	0.382	0.383	NO	5001	51.4	0.615	
34	34	13C6-Hexachlorobenze...	6.95e5	1.26e6	1.30	NO	0.87	1.0284	22.69	22.71	0.870	0.871	NO	617.1	63.5	0.0658	



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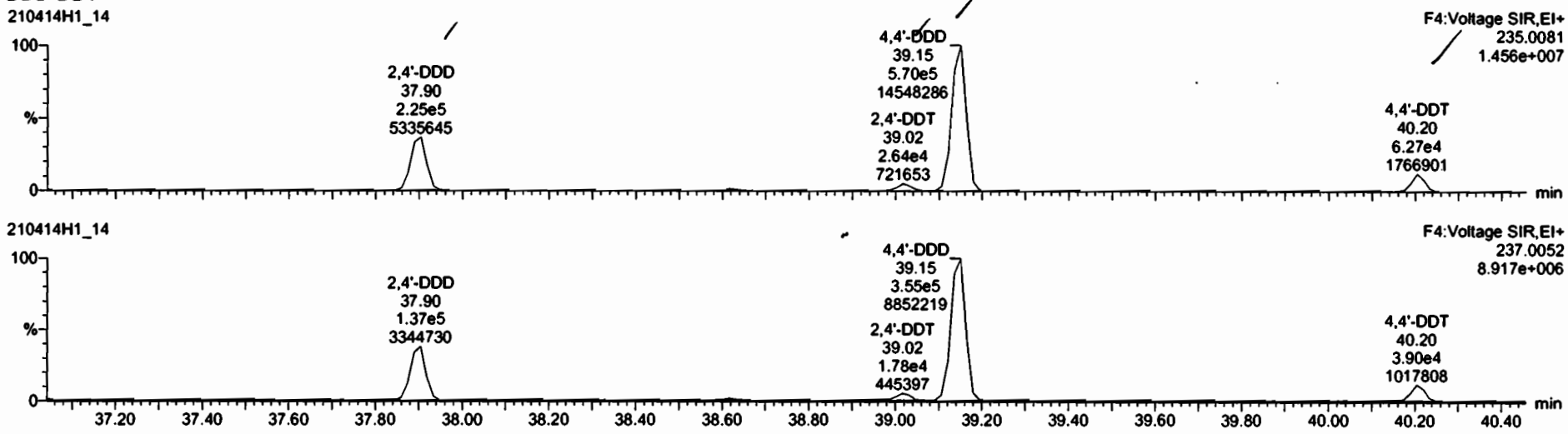
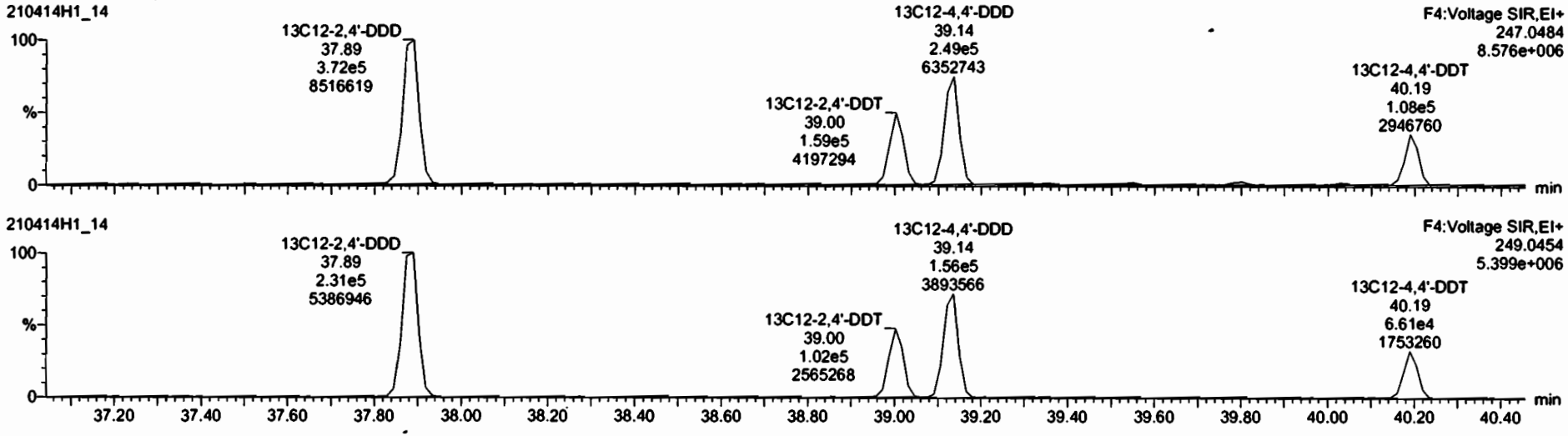
DDD-DDT



DDD-DDT-isotopes



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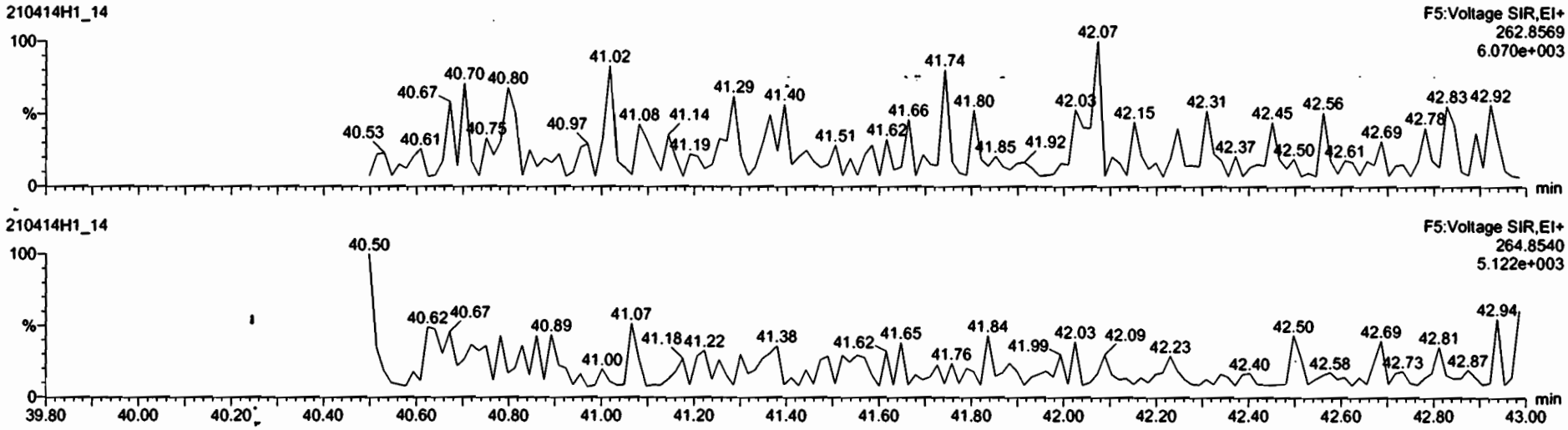
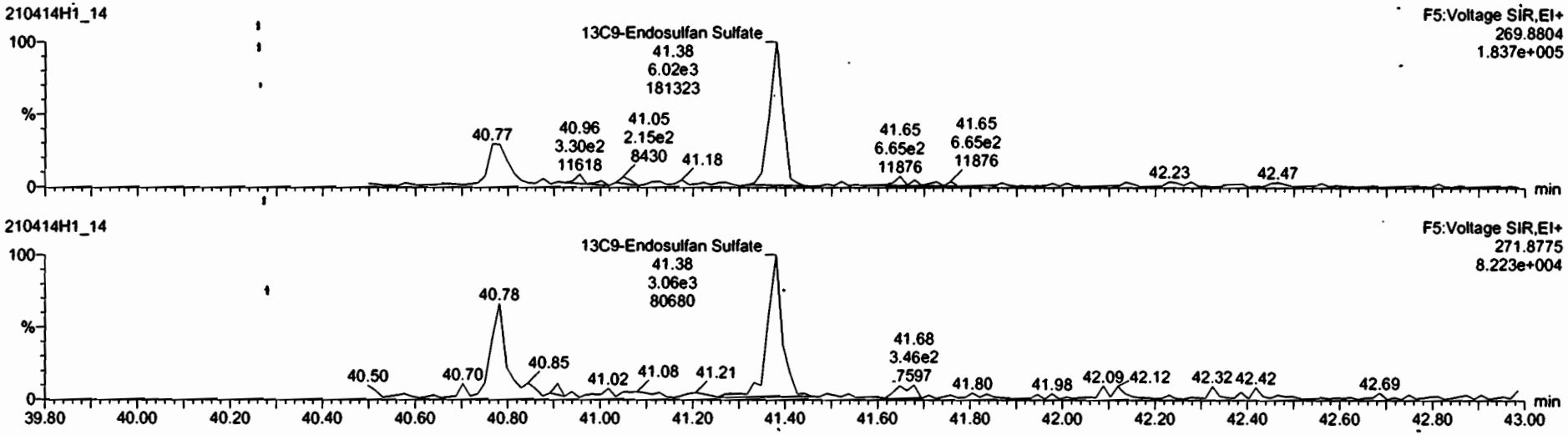
Endosulfan Sulfate



13C9-Endosulfan Sulfate



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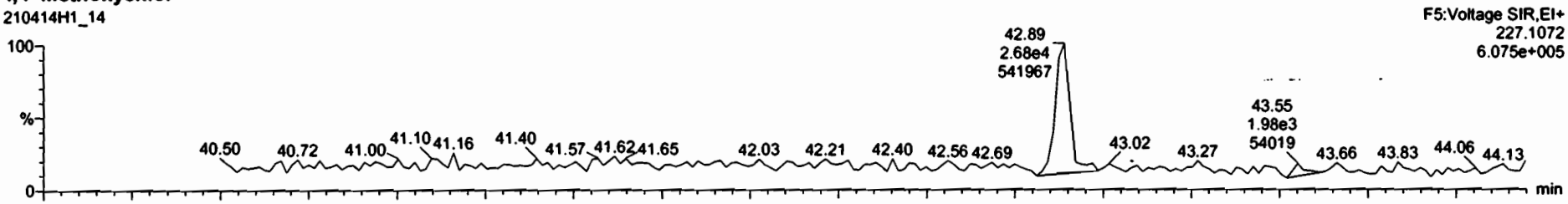
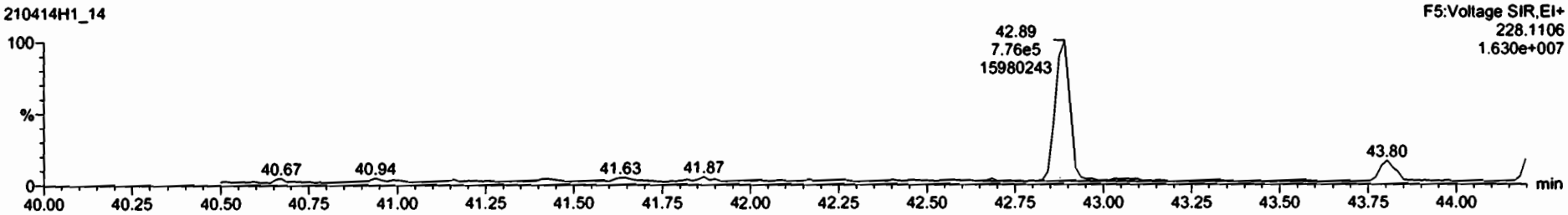
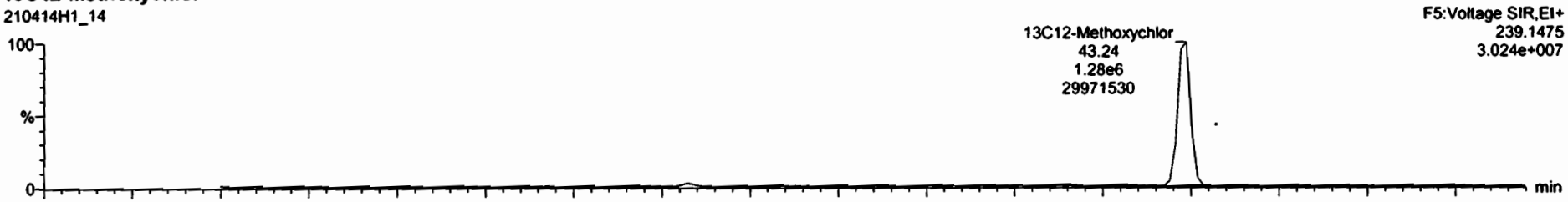
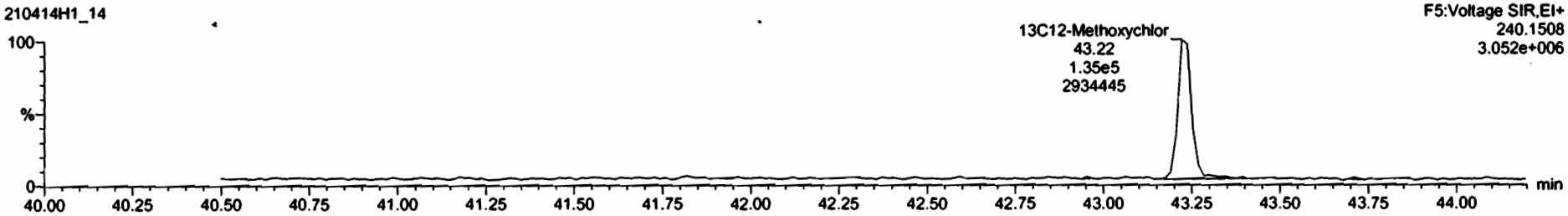
4,4'-Methoxychlor





13C12-Methoxychlor





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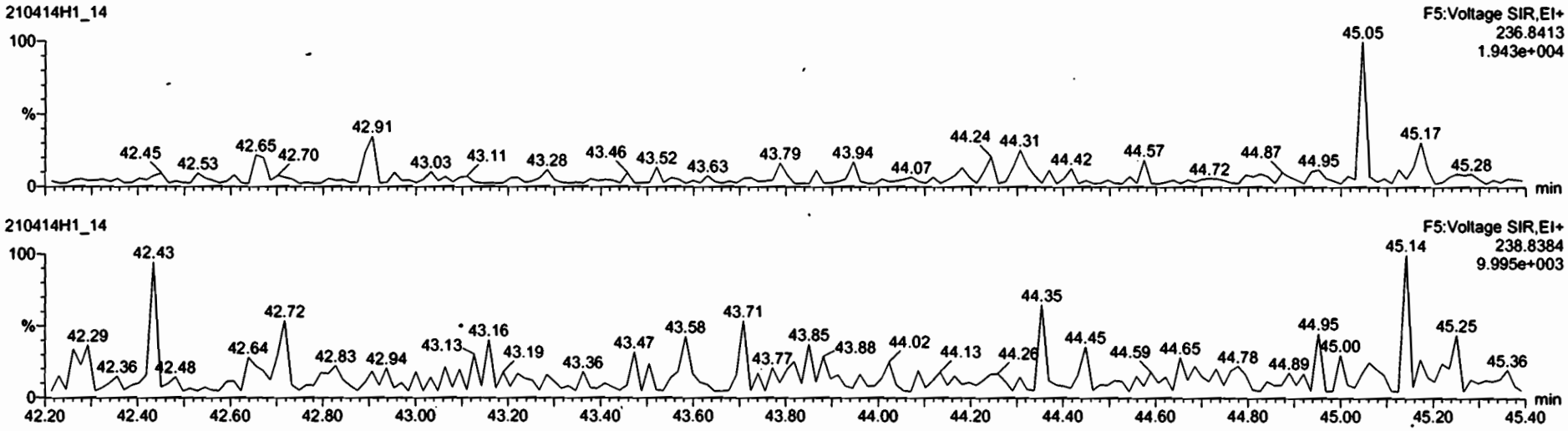
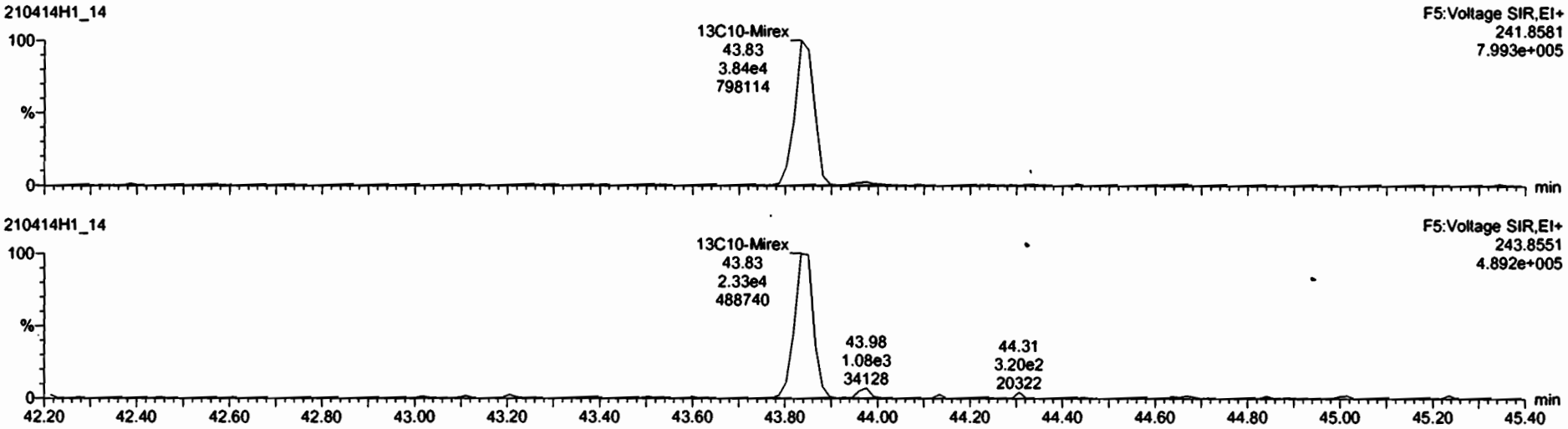
Mirex



13C10-Mirex



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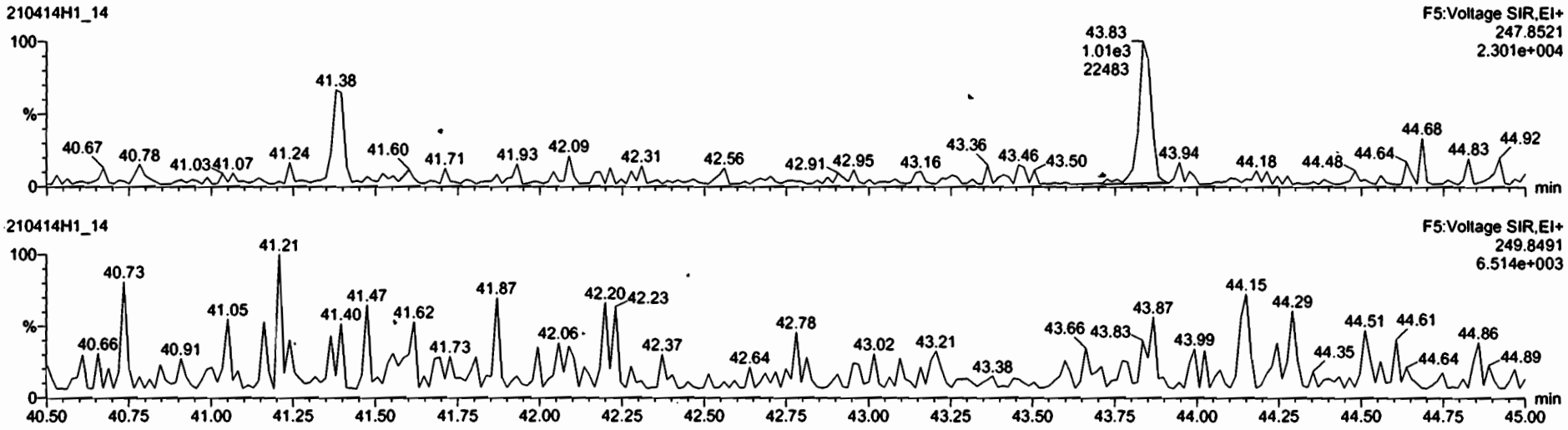
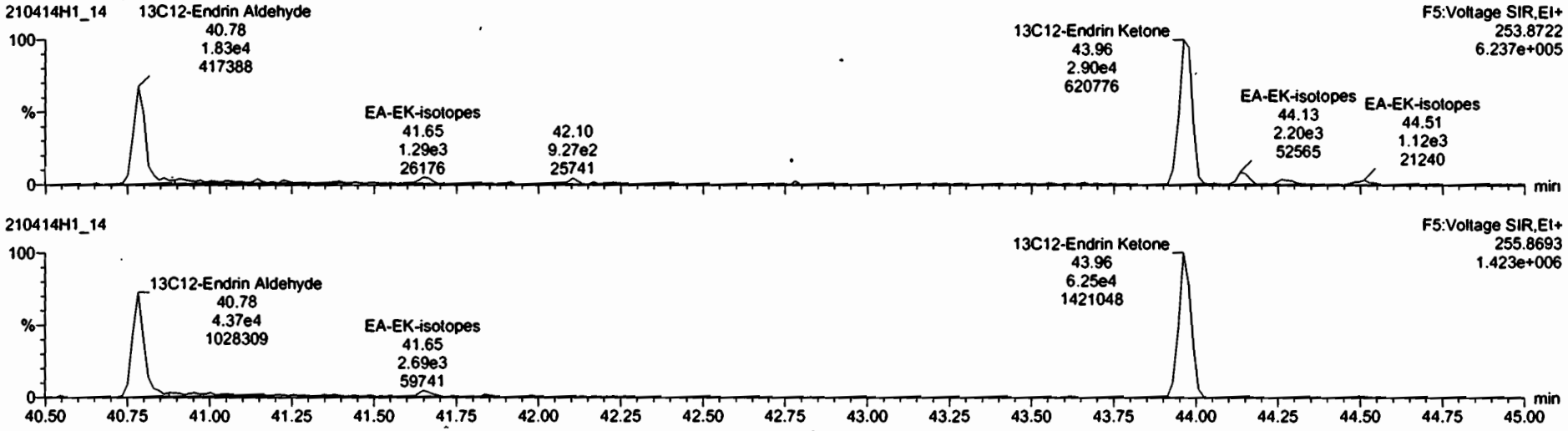
EA-EK



EA-EK-isotopes



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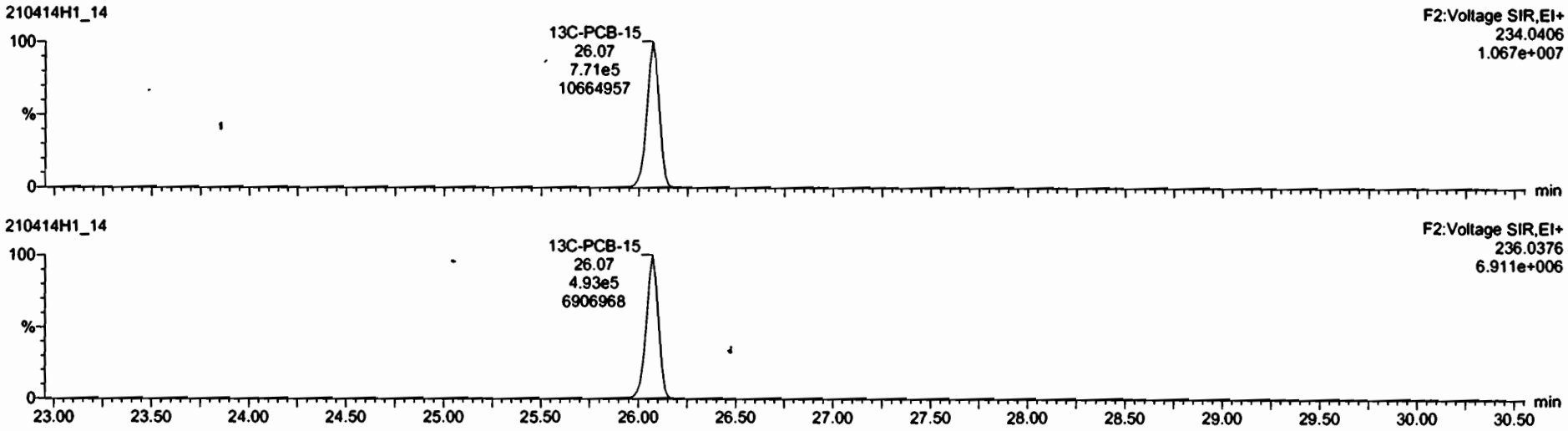
13C-PCB-15



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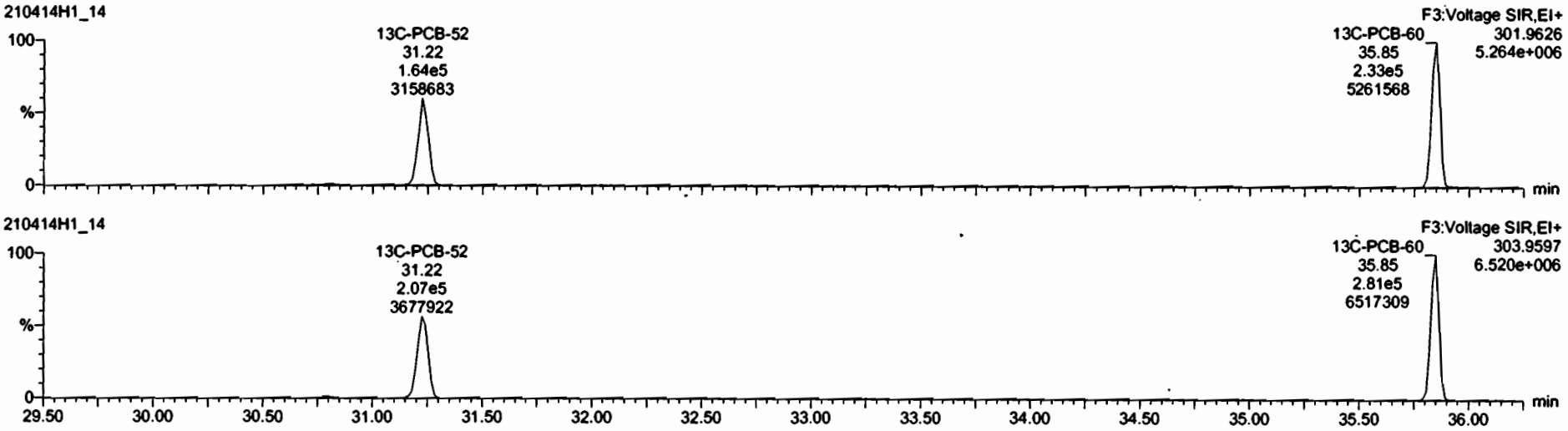

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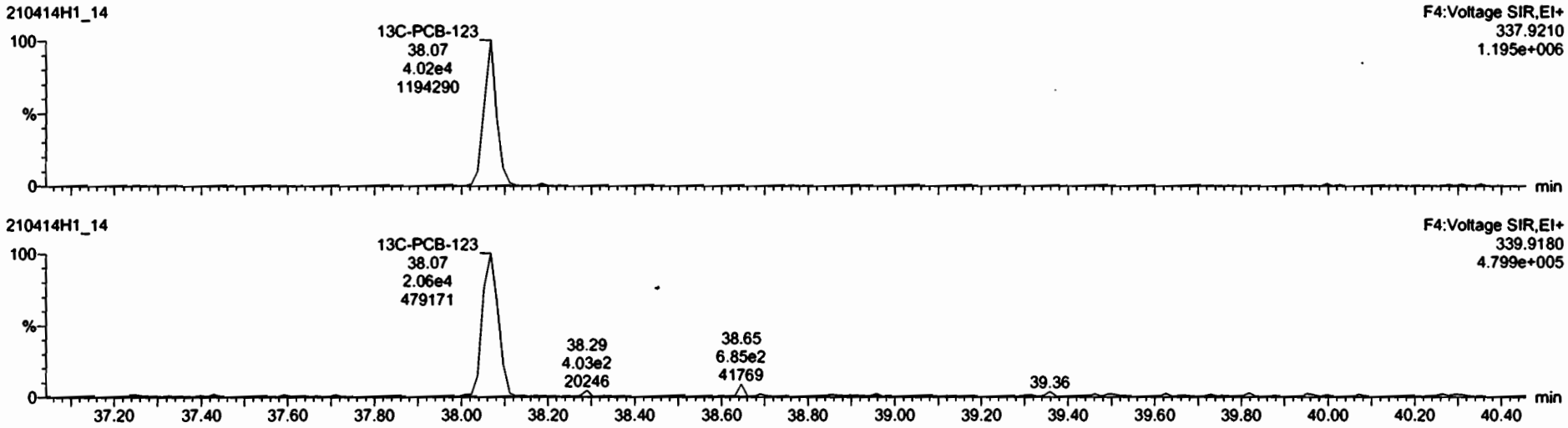

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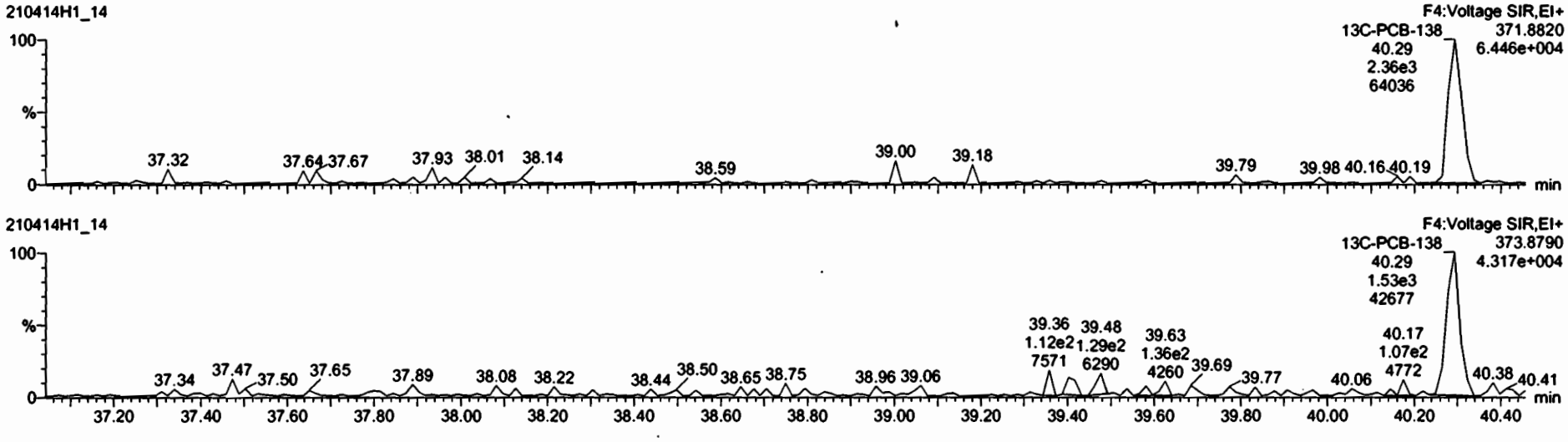

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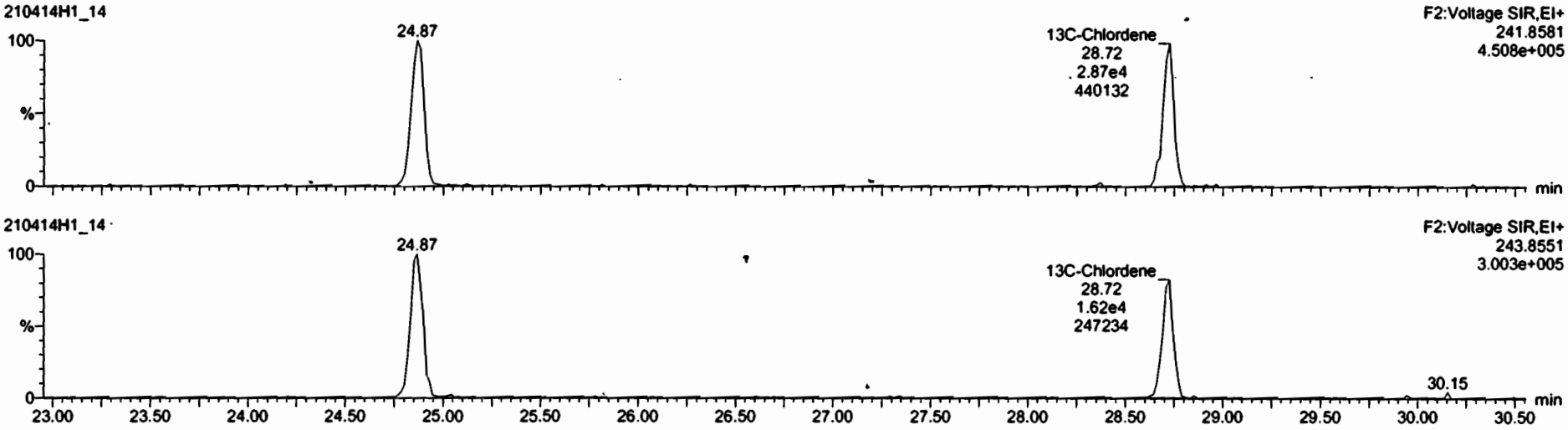
13C-Chlordene



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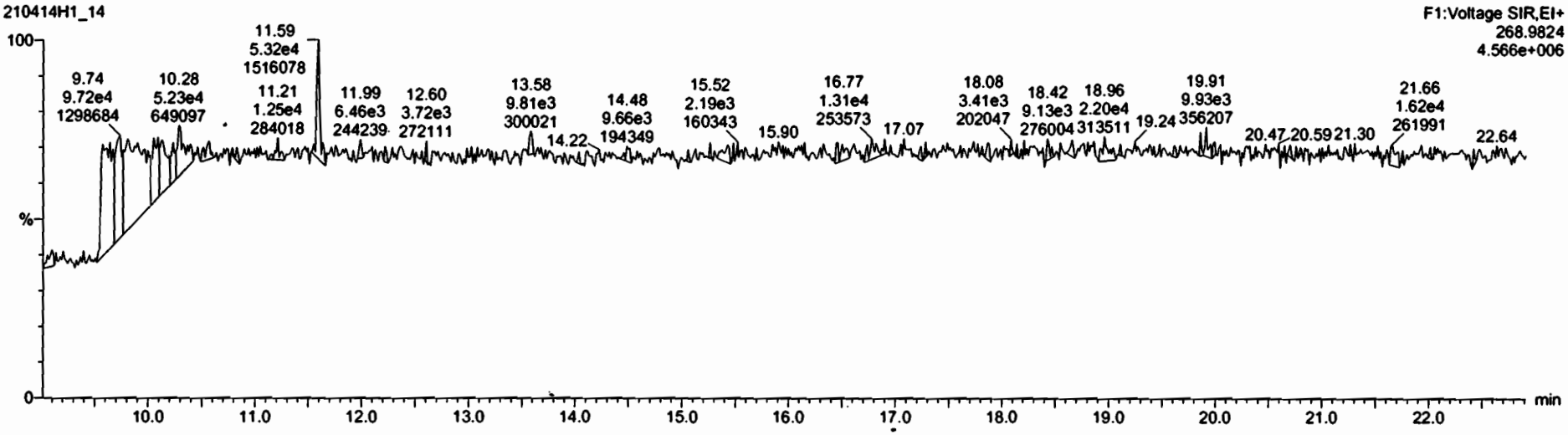

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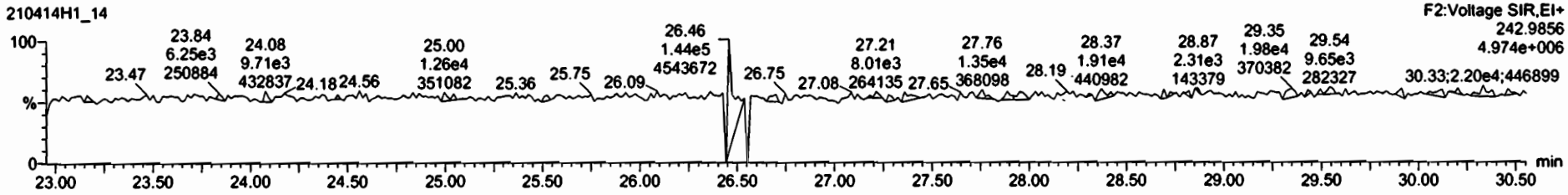
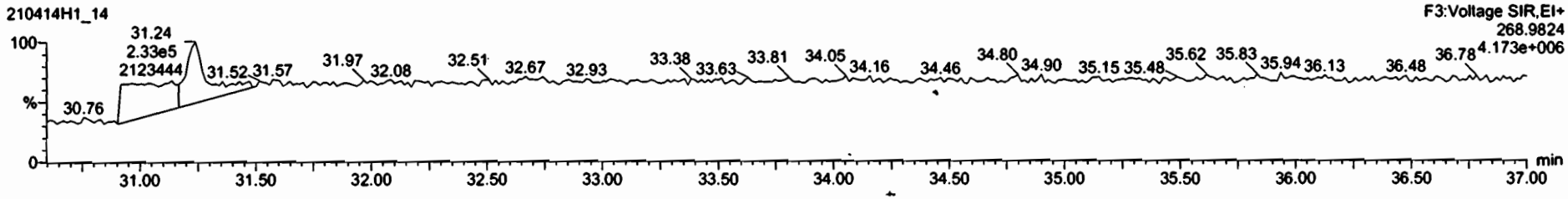
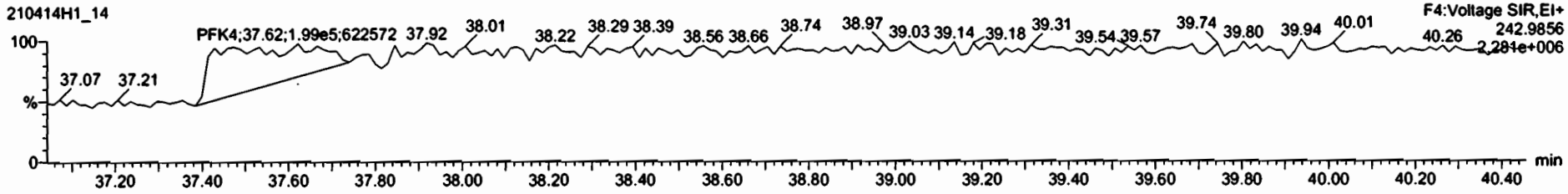
PFK2



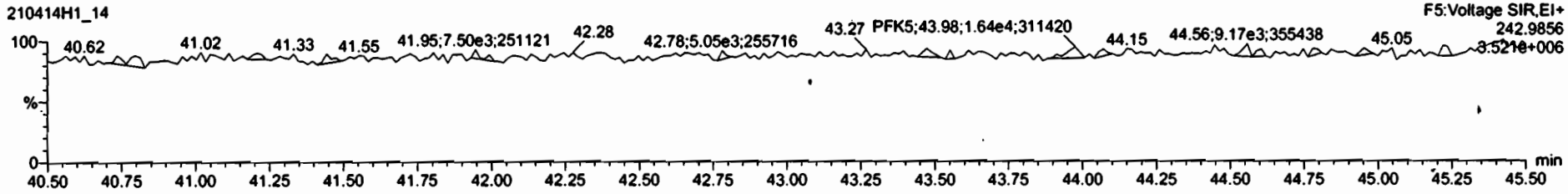
PFK3



PFK4



PFK5



Quantify Sample Summary Report **MassLynx 4.1 SCN815**
Vista Analytical Laboratory

OC 04/28/21
04/16/21
DF 04/16/21
* = SEE DIL

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_13.qld

Last Altered: Friday, April 16, 2021 16:11:15 Pacific Daylight Time
Printed: Friday, April 16, 2021 16:16:09 Pacific Daylight Time

CT 05/03/2021

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_13, Date: 14-Apr-2021, Time: 19:30:15, ID: 2103216-10RE1 USMPDI-1060RAB-00-10-210317 1.25, Description: USMPDI-1060RAB-00-10-210317, Task: ST210414H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	4	Lindane (gamma-...		1.81e5		NO	0.860	1.100			1.000	YES			3.54	
2	9	Aldrin	3.11e2	1.40e5	3.21	YES	1.09	1.100	30.84	1.001	1.001	NO	1.8489		0.951	1.12
3	10	Oxychlordane	4.18e2	3.99e4	1.12	YES	1.06	1.100	33.38	1.000	1.001	NO	8.9901		3.18	7.80
4	13	trans-Chlordane (g...	1.63e3	3.04e4	2.45	YES	1.14	1.100	35.06	1.000	1.001	NO	42.818		3.82	31.8
5	14	trans-Nonachlor	3.51e3	2.90e4	1.26	NO	1.06	1.100	35.24	1.000	1.000	NO	103.83		3.60	104
6	15	cis-Chlordane	2.31e3	2.90e4	1.16	YES	1.16	1.100	35.75	1.014	1.016	NO	62.164		3.28	54.8
7	18	2,4'-DDE	1.28e4	7.98e5	1.27	NO	1.02	1.100	35.70	1.000	1.000	NO	14.267		1.82	14.3
8	19	4,4'-DDE	1.04e6	5.05e5	1.48	NO	1.04	1.100	36.77	1.000	1.000	NO	1796.8		2.61	1800
9	20	Dieldrin	2.64e3	5.11e4	1.80	NO	1.03	1.100	37.28	1.000	1.001	NO	45.653		4.32	45.7
10	22	cis-Nonachlor	8.66e2	2.20e4	2.24	YES	1.00	1.100	38.97	1.001	1.000	NO	35.769		10.8	28.2

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_13.qld

Last Altered: Friday, April 16, 2021 16:11:15 Pacific Daylight Time
Printed: Friday, April 16, 2021 16:16:20 Pacific Daylight Time

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Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_13, Date: 14-Apr-2021, Time: 19:30:15, ID: 2103216-10RE1 USMPDI-1060RAB-00-10-210317 1.25, Description: USMPDI-1060RAB-00-10-210317, Task: ST210414H1_1

	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	24 2,4'-DDD	9.77e4	5.77e5	1.57	NO	1.07	1.100	37.90	1.000	1.000	NO	144.52		3.62	145
2	25 2,4'-DDT	6.17e4	2.39e5	1.59	NO	1.05	1.100	39.03	1.000	1.000	NO	224.84		9.66	225
3	26 4,4'-DDD	2.73e5	3.66e5	1.63	NO	1.16	1.100	39.15	1.000	1.000	NO	584.55		5.12	585
4	27 4,4'-DDT	1.03e6	1.58e5	1.65	NO	1.13	1.100	40.22	1.000	1.001	NO	5217.7 E		13.2	5220
5	36 13C6-Lindane (ga...	1.81e5	1.28e6	0.78	NO	0.194	1.100	26.57	1.019	1.019	NO	665.66	73.2	3.23	
6	40 13C12-Aldrin	1.40e5	1.28e6	1.56	NO	0.154	1.100	30.80	1.181	1.181	NO	646.23	71.1	3.52	
7	41 13C10-Oxychlorda...	3.99e4	1.28e6	1.57	NO	0.0404	1.100	33.37	1.280	1.280	NO	700.90	77.1	13.4	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_13.qld

Last Altered: Friday, April 16, 2021 16:11:15 Pacific Daylight Time
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Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_13, Date: 14-Apr-2021, Time: 19:30:15, ID: 2103216-10RE1 USMPDI-1060RAB-00-10-210317 1.25, Description: USMPDI-1060RAB-00-10-210317, Task: ST210414H1_1

	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	43 13C10-trans-Chlor...	3.04e4	1.28e6	1.45	NO	0.0358	1.100	35.05	1.344	1.344	NO	603.31	66.3	15.1	
2	44 13C10-trans-Nona...	2.90e4	5.03e5	1.54	NO	0.0638	1.100	35.24	0.983	0.983	NO	822.11	90.4	11.4	
3	46 13C12-2,4'-DDE	7.98e5	5.03e5	1.56	NO	1.43	1.100	35.69	0.996	0.995	NO	1006.1	111	1.87	
4	47 13C12-4,4'-DDE	5.05e5	5.03e5	1.59	NO	0.995	1.100	36.75	1.025	1.026	NO	918.41	101	2.70	
5	48 13C12-Dieldrin	5.11e4	5.03e5	1.56	NO	0.146	1.100	37.26	1.040	1.040	NO	631.49	69.4	3.45	
6	50 13C10-cis-Nonach...	2.20e4	5.03e5	1.56	NO	0.0791	1.100	38.94	1.086	1.087	NO	503.11	55.3	6.37	
7	52 13C12-2,4'-DDD	5.77e5	5.03e5	1.60	NO	1.35	1.100	37.89	1.057	1.057	NO	770.86	84.8	3.19	
8	53 13C12-2,4'-DDT	2.39e5	5.03e5	1.64	NO	0.962	1.100	39.02	1.088	1.089	NO	448.27	49.3	4.49	
9	54 13C12-4,4'-DDD	3.66e5	5.03e5	1.54	NO	1.12	1.100	39.13	1.092	1.092	NO	588.01	64.7	3.84	
10	55 13C12-4,4'-DDT	1.58e5	5.03e5	1.54	NO	0.735	1.100	40.20	1.122	1.122	NO	388.56	42.7 *	5.88	
11	62 13C-PCB-15	1.28e6	1.28e6	1.57	NO	1.00	1.100	26.07	1.000	1.000	NO	909.41	100	0.852	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_13.qld

Last Altered: Friday, April 16, 2021 16:11:15 Pacific Daylight Time
Printed: Friday, April 16, 2021 16:16:39 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_13, Date: 14-Apr-2021, Time: 19:30:15, ID: 2103216-10RE1 USMPDI-1060RAB-00-10-210317 1.25, Description: USMPDI-1060RAB-00-10-210317, Task: ST210414H1_1

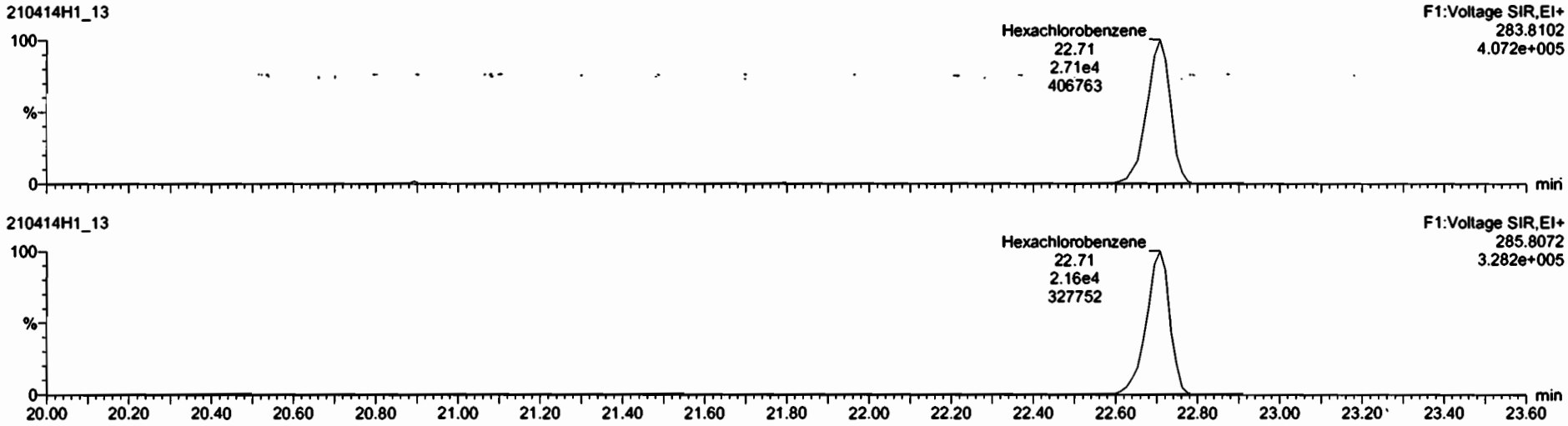
	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	63 13C-PCB-60	5.03e5	5.03e5	0.81	NO	1.00	1.100	35.85	1.000	1.000	NO	909.41	100	1.06	

Dataset: Untitled

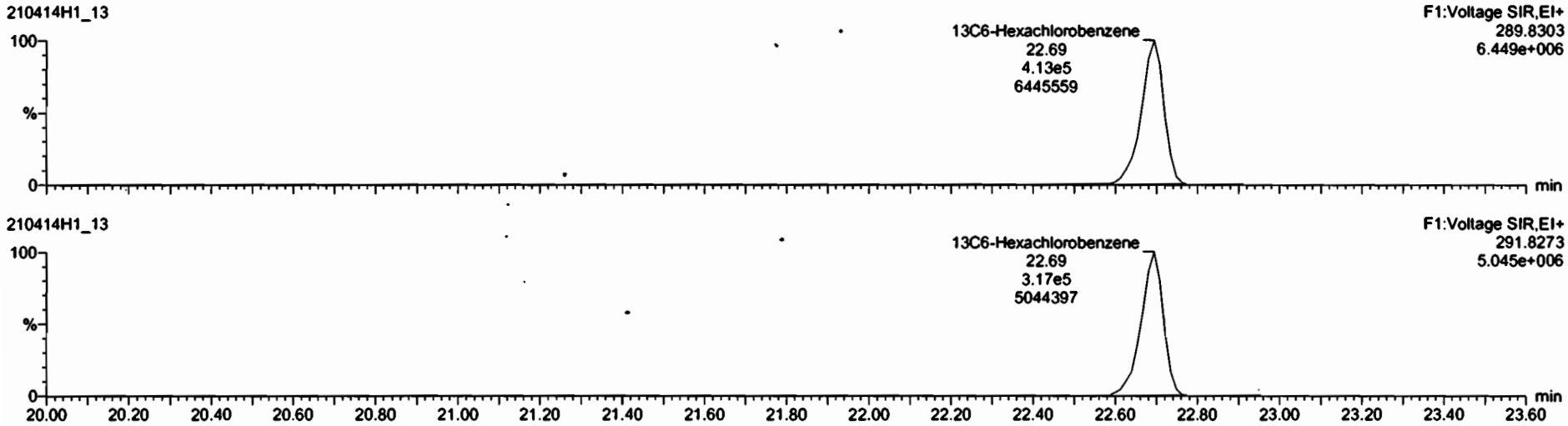
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_13, Date: 14-Apr-2021, Time: 19:30:15, ID: 2103216-10RE1 USMPDI-1060RAB-00-10-210317 1.25, Description: USMPDI-1060RAB-00-10-210317

Hexachlorobenzene



13C6-Hexachlorobenzene



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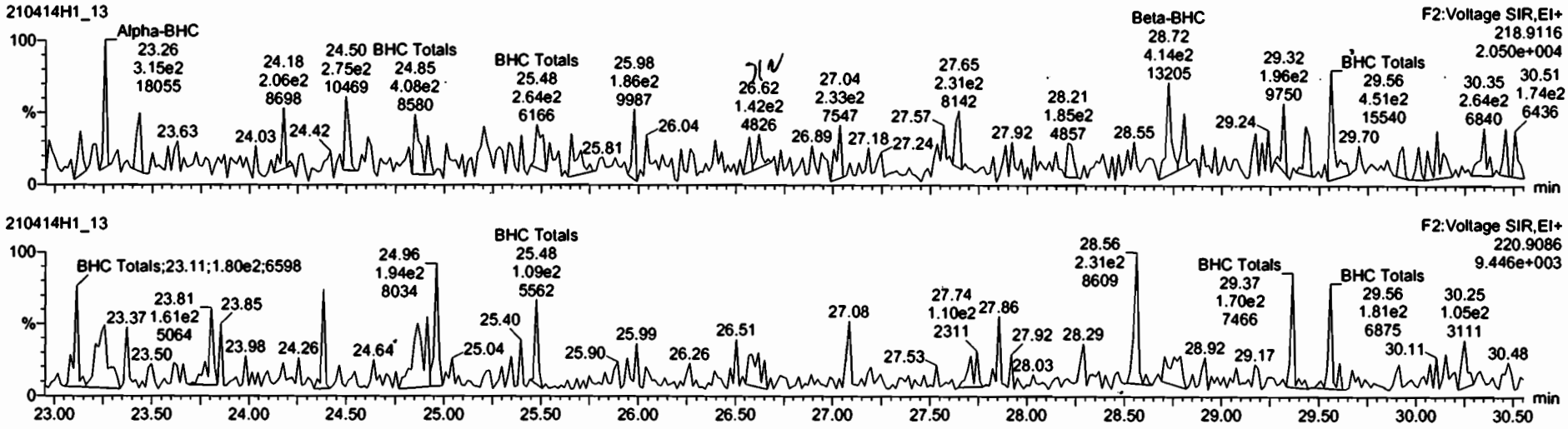
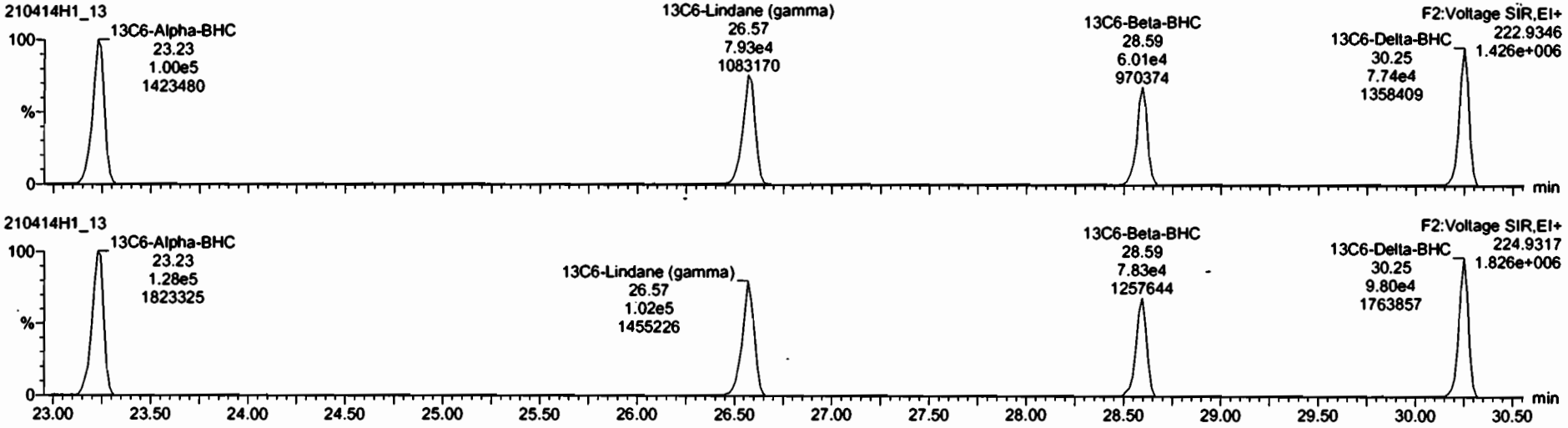
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_13, Date: 14-Apr-2021, Time: 19:30:15, ID: 2103216-10RE1 USMPDI-1060RAB-00-10-210317 1.25, Description: USMPDI-1060RAB-00-10-210317

BHC Totals



BHC-isotopes



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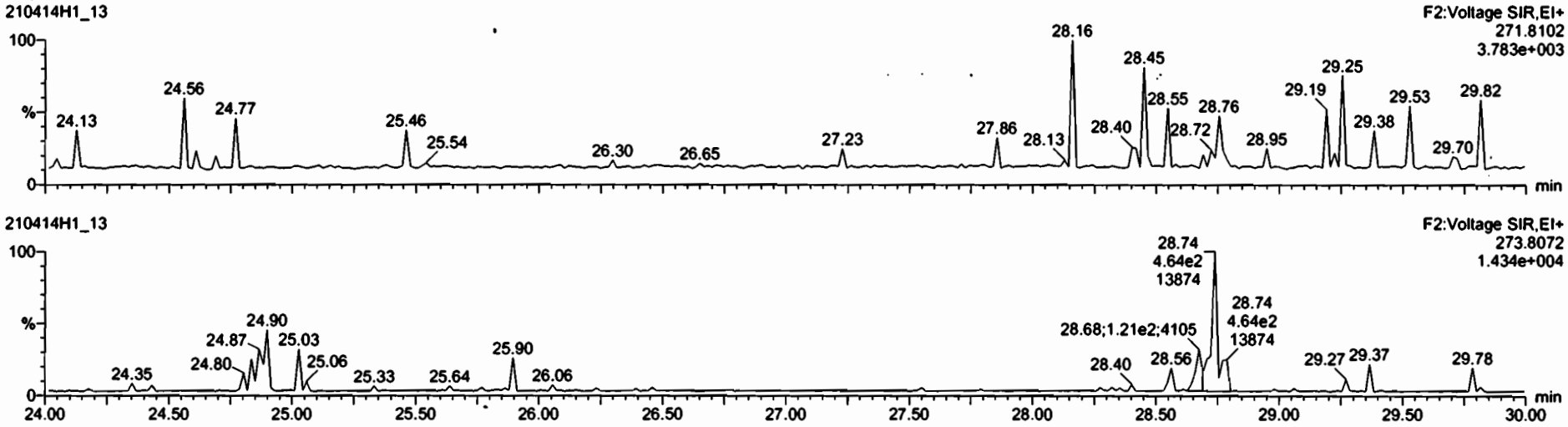
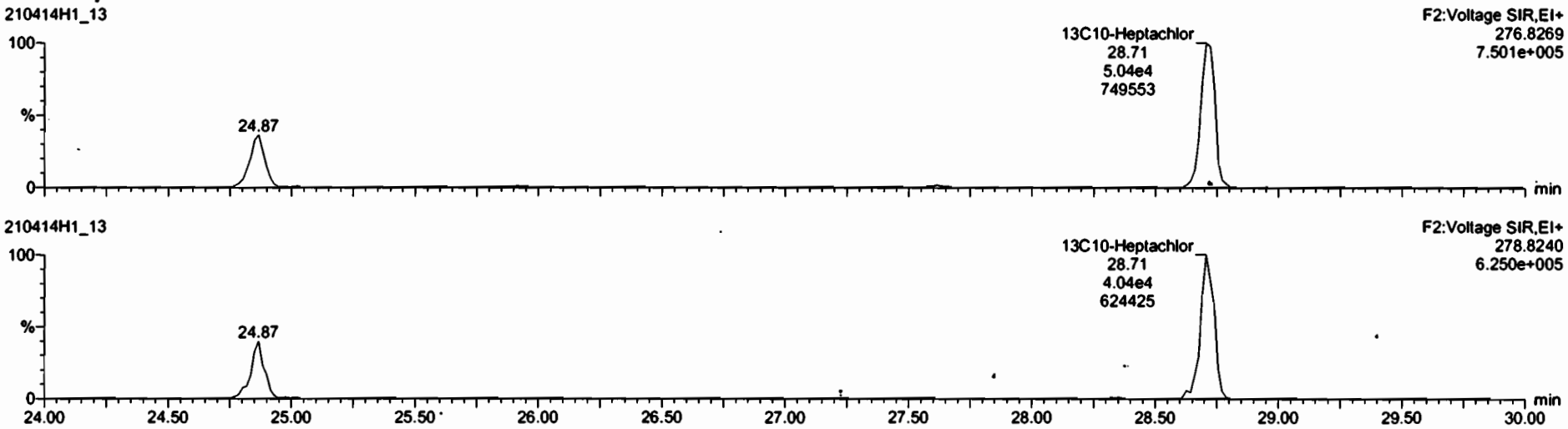
Name: 210414H1_13; Date: 14-Apr-2021, Time: 19:30:15, ID: 2103216-10RE1 USMPDI-1060RAB-00-10-210317 1.25, Description: USMPDI-1060RAB-00-10-210317

Heptachlor



13C10-Heptachlor



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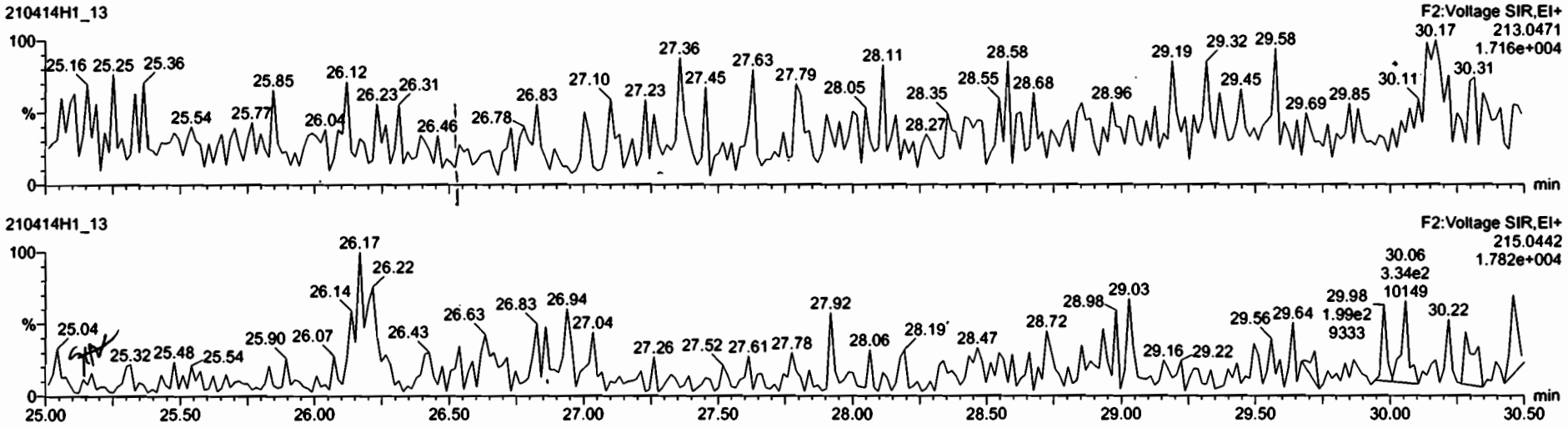
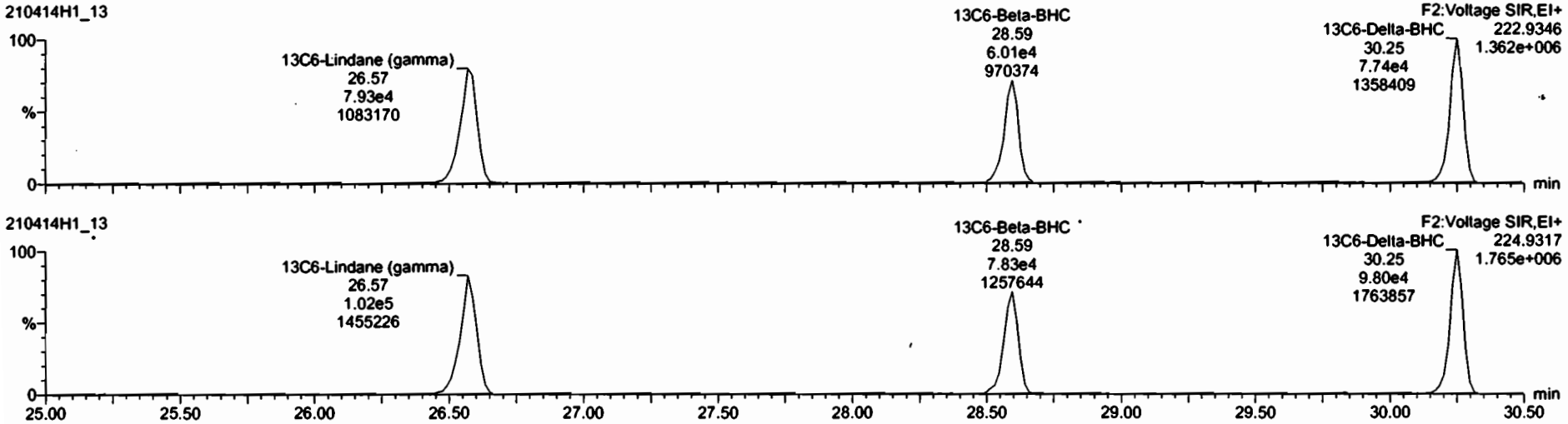
Name: 210414H1_13, Date: 14-Apr-2021, Time: 19:30:15, ID: 2103216-10RE1 USMPDI-1060RAB-00-10-210317 1.25, Description: USMPDI-1060RAB-00-10-210317

4,4'-DDNU



13C6-Delta-BHC



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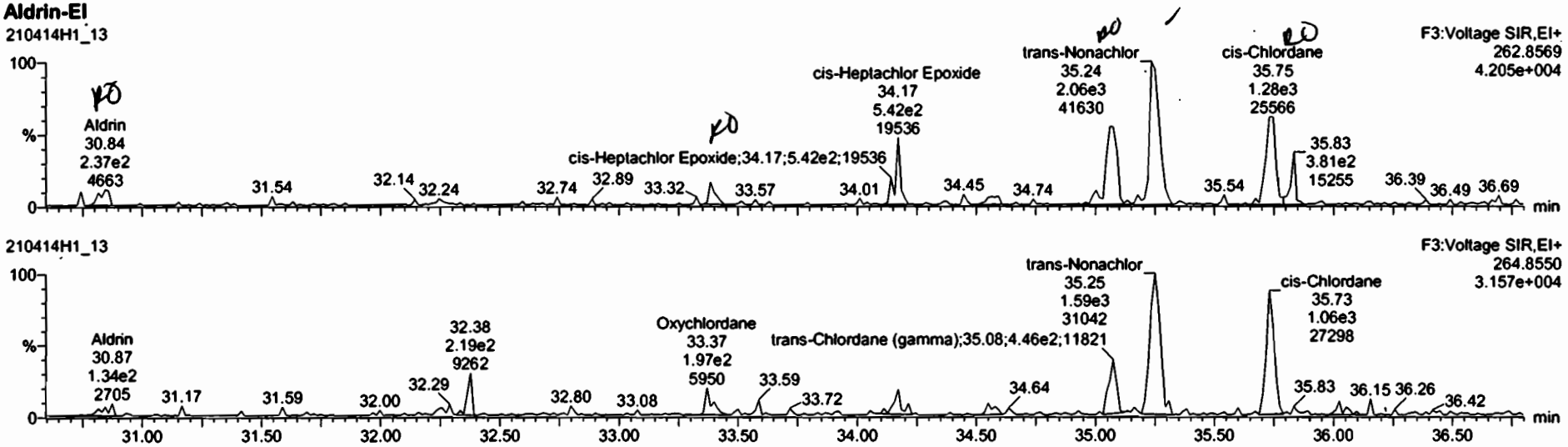
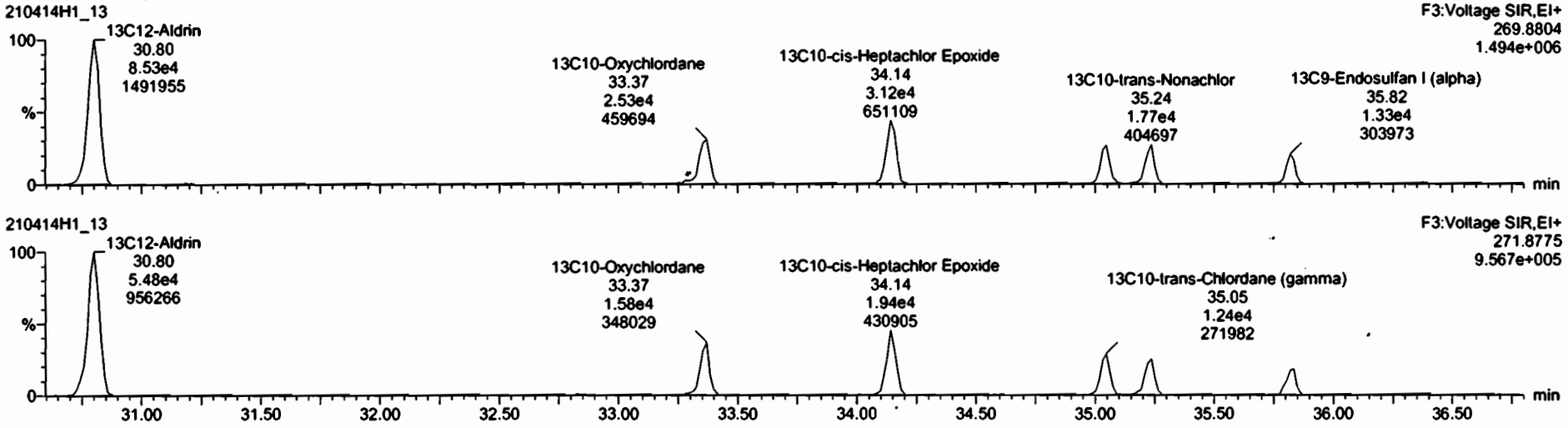
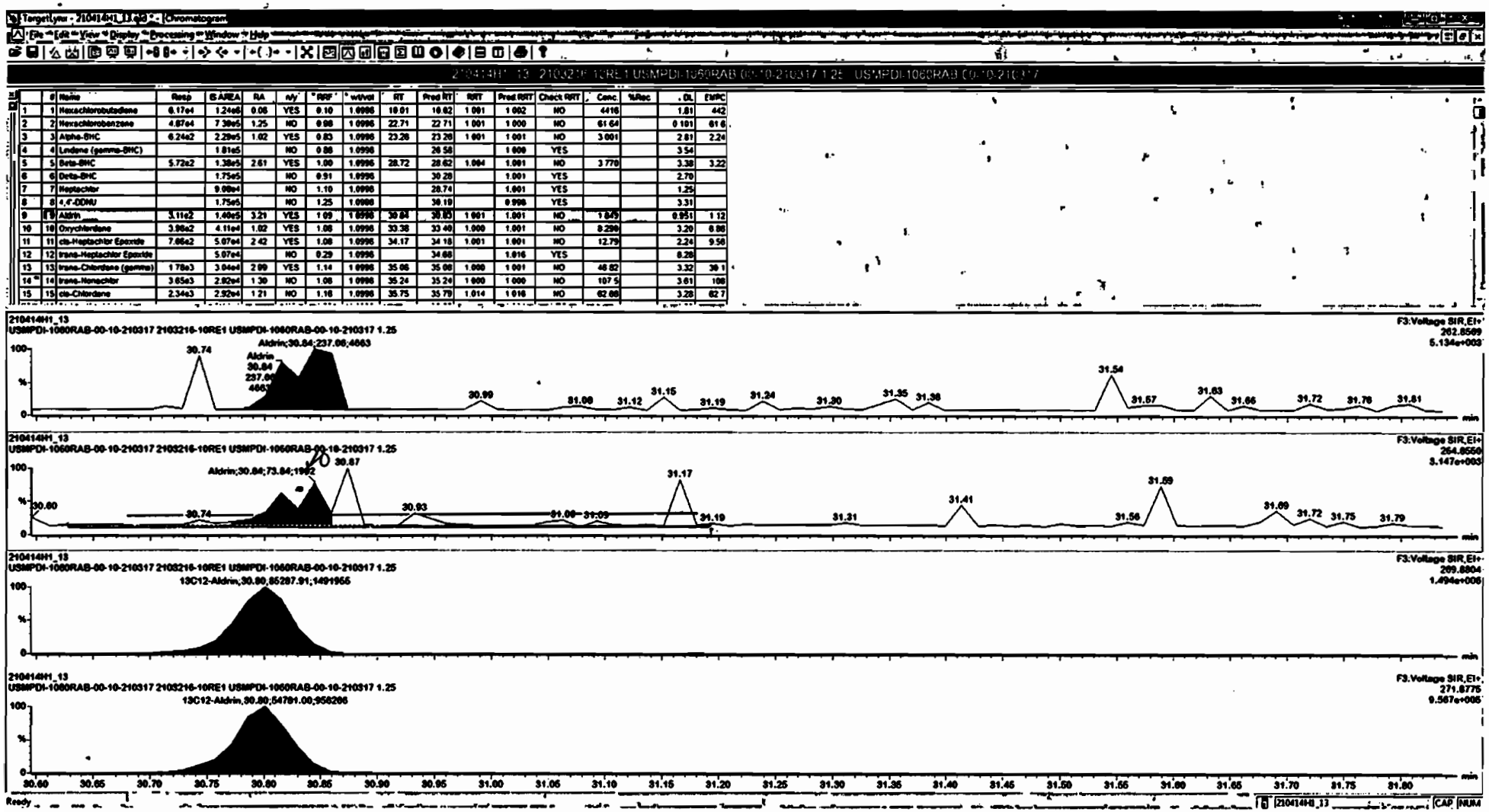
Name: 210414H1_13, Date: 14-Apr-2021, Time: 19:30:15, ID: 2103216-10RE1 USMPDI-1060RAB-00-10-210317 1.25, Description: USMPDI-1060RAB-00-10-210317

Aldrin-EI

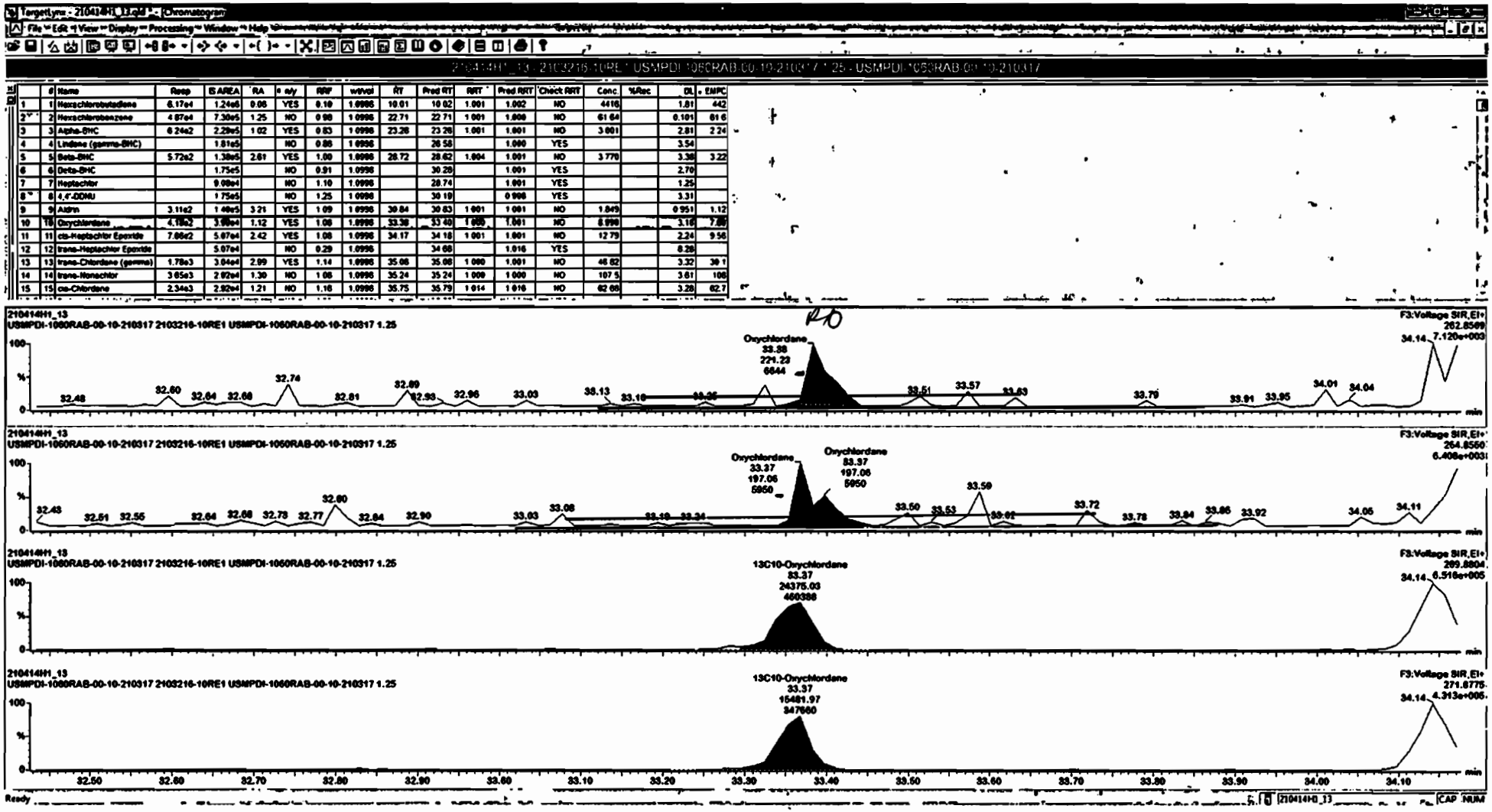


Aldrin-EI-isotopes

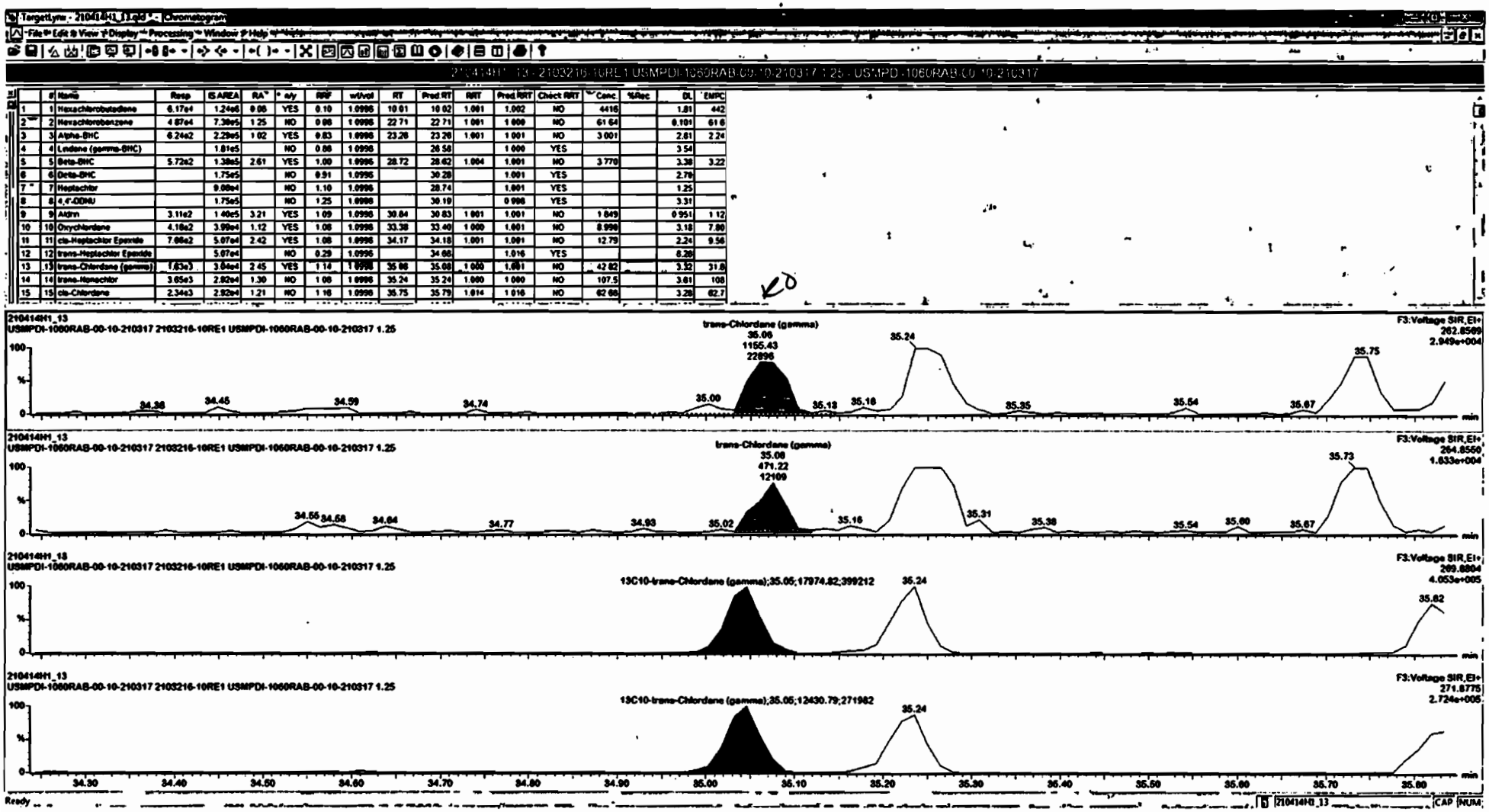




	#	Name	Resp	S AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1	Hexachlorobutadiene	6.17e4	1.24e6	0.06	YES	0.10	1.0000	10.01	10.02	1.001	1.002	NO	44.16		1.81	4.42
2	2	Hexachlorobenzene	4.87e4	7.38e5	1.25	NO	0.08	1.0000	22.71	22.71	1.001	1.000	NO	61.64		0.191	61.6
3	3	Alpha-BHC	6.24e2	2.29e5	1.02	YES	0.83	1.0000	23.26	23.26	1.001	1.001	NO	3.001		2.81	2.24
4	4	Lindane (gamma-BHC)		1.81e5		NO	0.88	1.0000		26.58		1.000	YES			3.54	
5	5	Beta-BHC	5.72e2	1.38e5	2.61	YES	1.00	1.0000	28.72	28.62	1.004	1.001	NO	3.770		3.38	3.22
6	6	Delta-BHC		1.75e5		NO	0.91	1.0000		30.28		1.001	YES			2.70	
7	7	Heptachlor		9.00e4		NO	1.10	1.0000		28.74		1.001	YES			1.25	
8	8	4,4'-DDNU		1.75e5		NO	1.25	1.0000		30.19		0.998	YES			3.31	
9	9	Aldrin	3.11e2	1.40e5	3.21	YES	1.09	1.0000	30.84	30.85	1.001	1.001	NO	1.849		0.951	1.12
10	10	Oxychlordane	3.96e2	4.11e4	1.02	YES	1.08	1.0000	33.38	33.40	1.000	1.001	NO	8.239		3.20	6.86
11	11	cis-Heptachlor Epoxide	7.66e2	5.07e4	2.42	YES	1.08	1.0000	34.17	34.18	1.001	1.001	NO	12.79		2.24	9.56
12	12	trans-Heptachlor Epoxide		5.07e4		NO	0.29	1.0000		34.68		1.016	YES			8.28	
13	13	trans-Chlordane (gamma)	1.78e3	3.04e4	2.99	YES	1.14	1.0000	35.06	35.06	1.000	1.001	NO	46.82		3.32	39.1
14	14	trans-Nonachlor	3.65e3	2.92e4	1.30	NO	1.08	1.0000	35.24	35.24	1.000	1.000	NO	107.5		3.61	108
15	15	cis-Chlordane	2.34e3	2.92e4	1.21	NO	1.16	1.0000	35.75	35.79	1.014	1.016	NO	62.66		3.28	62.7



	#	Name	Resp	IS AREA	RA	a/y	RRF	wtVal	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
1	1	Hexachlorobutadiene	6.17e4	1.24e6	0.06	YES	0.10	1.0000	10.01	10.02	1.001	1.002	NO	4416		1.81	442
2	2	Hexachlorobenzene	4.87e4	7.30e5	1.25	NO	0.98	1.0000	22.71	22.71	1.001	1.000	NO	61.64		0.101	61.6
3	3	Alpha-BHC	6.24e2	2.29e5	1.02	YES	0.83	1.0000	23.26	23.26	1.001	1.001	NO	3.001		2.81	2.24
4	4	Lindane (gamma-BHC)		1.81e5		NO	0.86	1.0000		26.58		1.000	YES			3.54	
5	5	Beta-BHC	5.72e2	1.38e5	2.61	YES	1.00	1.0000	26.72	26.62	1.004	1.001	NO	3.770		3.36	3.22
6	6	Delta-BHC		1.75e5		NO	0.91	1.0000		30.29		1.001	YES			2.70	
7	7	Heptachlor		9.08e4		NO	1.10	1.0000		28.74		1.001	YES			1.25	
8	8	4,4'-DDMU		1.75e5		NO	1.25	1.0000		30.19		0.998	YES			3.31	
9	9	Aldrin	3.11e2	1.40e5	3.21	YES	1.09	1.0000	30.84	30.83	1.001	1.001	NO	1.849		0.951	1.12
10	10	Oxychlordane	4.18e2	3.98e4	1.12	YES	1.00	1.0000	33.38	33.40	1.000	1.001	NO	8.998		3.16	7.89
11	11	cis-Heptachlor Epoxide	7.86e2	5.07e4	2.42	YES	1.08	1.0000	34.17	34.18	1.001	1.001	NO	12.79		2.24	9.56
12	12	trans-Heptachlor Epoxide		5.07e4		NO	0.29	1.0000		34.68		1.016	YES			8.28	
13	13	trans-Chlordane (gamma)	1.78e3	3.04e4	2.99	YES	1.14	1.0000	35.08	35.08	1.000	1.001	NO	46.62		3.32	39.1
14	14	trans-Nonachlor	3.65e3	2.92e4	1.30	NO	1.06	1.0000	35.24	35.24	1.000	1.000	NO	107.5		3.61	108
15	15	cis-Chlordane	2.34e3	2.92e4	1.21	NO	1.16	1.0000	35.75	35.79	1.014	1.016	NO	62.68		3.28	62.7

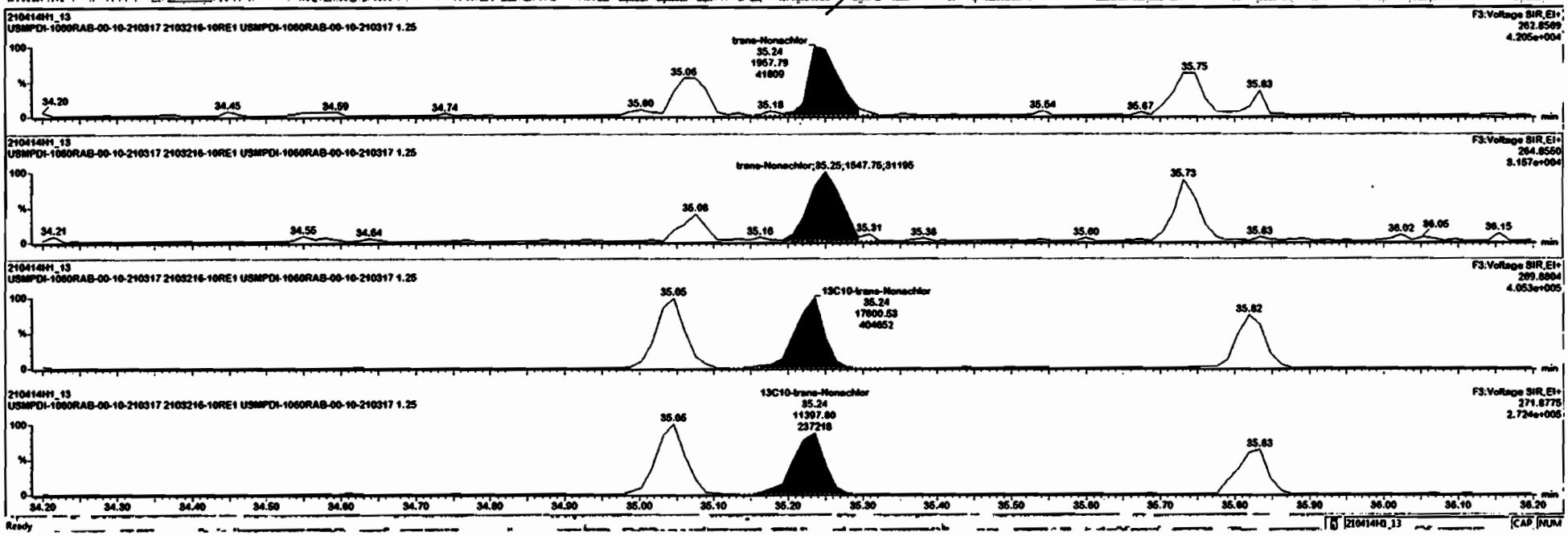

TargetLynx - 210414H1_13.qld Chromatogram
File Edit View Display Processing Window Help
2103216-10RE1 USMPDI-1060RAB-09-10-210317 1.25 - USMPDI-1060RAB-00-10-210317
Name Resp IS AREA RA Y/N RRF wt/vol RT Pred RT RRT Pred RRT Chk RT Conc %Rec DL EMPC
1 Hexachlorobutadiene 6.17e4 1.24e6 9.06 YES 0.10 1.0000 10.01 10.02 1.001 1.002 NO 44.16 1.81 442
2 Hexachlorobenzene 4.87e4 7.39e5 1.25 NO 0.06 1.0000 22.71 22.71 1.001 1.000 NO 61.64 0.101 61.6
3 Alpha-BHC 6.24e2 2.29e5 1.02 YES 0.03 1.0000 23.26 23.26 1.001 1.001 NO 3.001 2.61 2.24
4 Lindane (gamma-BHC) 1.81e5 NO 0.06 1.0000 26.58 1.000 YES 3.54
5 Beta-BHC 5.72e2 1.38e5 2.61 YES 1.00 1.0000 28.72 28.62 1.004 1.001 NO 3.770 3.38 3.22
6 Delta-BHC 1.75e5 NO 0.91 1.0000 30.28 1.001 YES 2.79
7 Heptachlor 9.06e4 NO 1.10 1.0000 28.74 1.001 YES 1.25
8 4,4'-DDMU 1.75e5 NO 1.25 1.0000 30.19 0.998 YES 3.31
9 Aldrin 3.11e2 1.40e5 3.21 YES 1.09 1.0000 30.84 30.83 1.001 1.001 NO 1.849 0.951 1.12
10 Oxychlordane 4.18e2 3.99e4 1.12 YES 1.06 1.0000 33.38 33.40 1.000 1.001 NO 8.999 3.18 7.80
11 cis-Heptachlor Epoxide 7.66e2 5.07e4 2.42 YES 1.06 1.0000 34.17 34.18 1.001 1.001 NO 12.79 2.24 9.56
12 trans-Heptachlor Epoxide 5.07e4 NO 0.29 1.0000 34.68 1.016 YES 6.26
13 trans-Chlordane (gamma) 7.63e3 3.04e4 2.45 YES 1.14 1.0000 35.06 35.06 1.000 1.001 NO 42.82 3.32 31.8
14 trans-Nonachlor 3.65e3 2.82e4 1.30 NO 1.06 1.0000 35.24 35.24 1.000 1.000 NO 107.5 3.61 108
15 cis-Chlordane 2.34e3 2.92e4 1.21 NO 1.16 1.0000 35.75 35.79 1.014 1.016 NO 62.66 3.28 62.7
KD
210414H1_13
USMPDI-1060RAB-00-10-210317 2103216-10RE1 USMPDI-1060RAB-00-10-210317 1.25
trans-Chlordane (gamma)
35.06
1155.43
22896
F3:Voltage SIR,EI+
262.8569
2.949e+004
34.36
34.45
34.59
34.74
35.00
35.13
35.16
35.24
35.35
35.54
35.67
35.75
min
210414H1_13
USMPDI-1060RAB-00-10-210317 2103216-10RE1 USMPDI-1060RAB-00-10-210317 1.25
trans-Chlordane (gamma)
35.06
471.22
12109
F3:Voltage SIR,EI+
264.8550
1.633e+004
34.55
34.58
34.64
34.77
34.93
35.02
35.16
35.31
35.38
35.54
35.60
35.67
35.73
min
210414H1_13
USMPDI-1060RAB-00-10-210317 2103216-10RE1 USMPDI-1060RAB-00-10-210317 1.25
13C10-trans-Chlordane (gamma);35.05;17974.82;399212
35.24
F3:Voltage SIR,EI+
269.8804
4.053e+005
35.82
min
210414H1_13
USMPDI-1060RAB-00-10-210317 2103216-10RE1 USMPDI-1060RAB-00-10-210317 1.25
13C10-trans-Chlordane (gamma);35.05;12430.79;271982
35.24
F3:Voltage SIR,EI+
271.8775
2.724e+005
34.30
34.40
34.50
34.60
34.70
34.80
34.90
35.00
35.10
35.20
35.30
35.40
35.50
35.60
35.70
35.80
min
Ready
210414H1_13
CAP
NUM

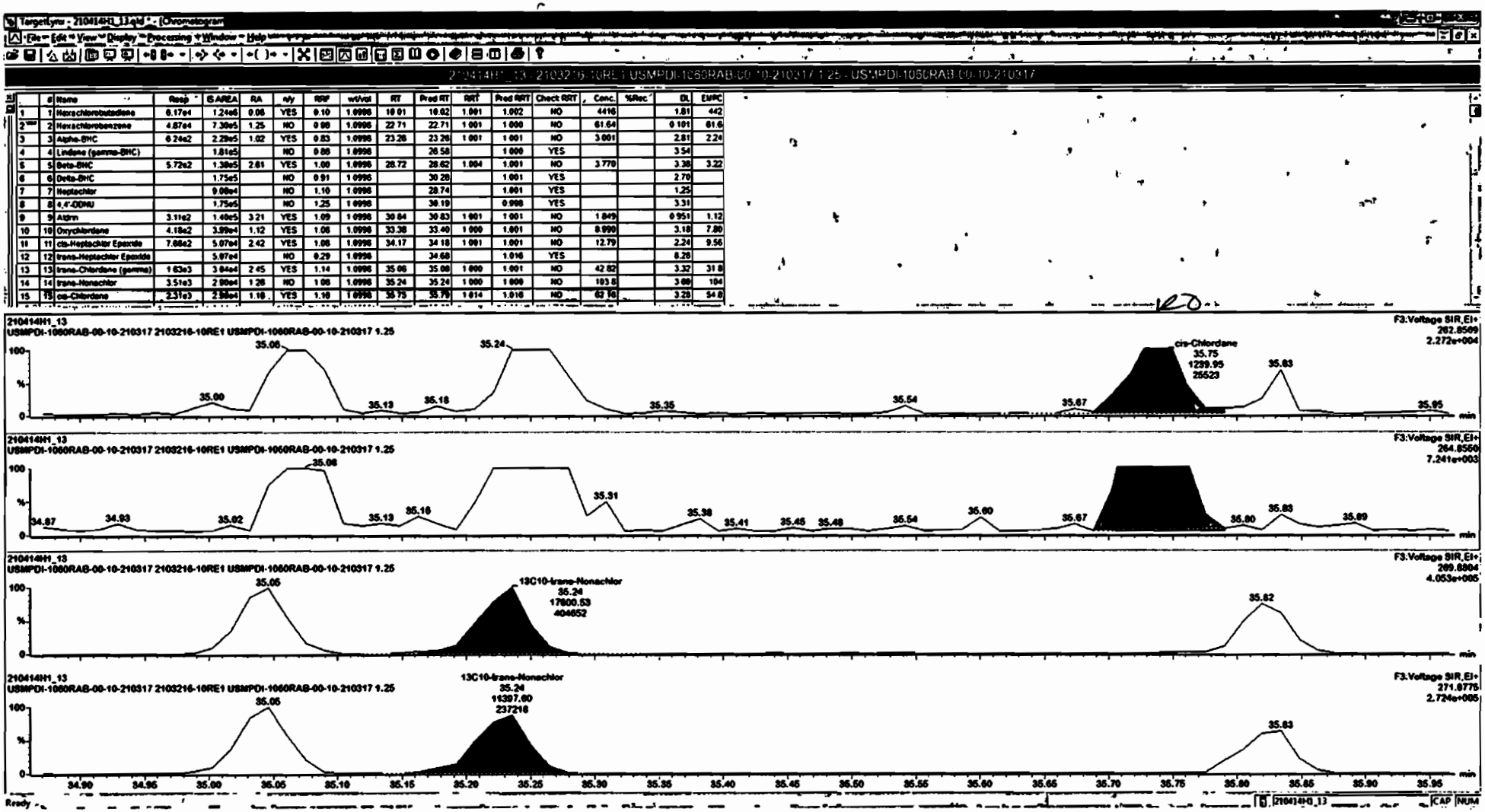
TargetLynx - 210414H1_13.qld * (Chromatogram)

File Edit View Display Processing Window Help

210414H1_13 2103216-10RE1 USMPDI-1060RAB-00-10-210317 1.25 USMPDI-1060RAB-00-10-210317

	#	Name	Resp	IS AREA	RA	n/y	RRF	w/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1	Hexachlorobutadiene	6.17e4	1.24e6	0.08	YES	0.10	1.0996	10.01	10.02	1.001	1.002	NO	4416		1.81	442
2	2	Hexachlorobenzene	4.87e4	7.30e5	1.25	NO	0.98	1.0996	22.71	22.71	1.001	1.000	NO	61.64		0.101	61.6
3	3	Alpha-BHC	6.24e2	2.29e5	1.02	YES	0.83	1.0996	23.28	23.28	1.001	1.001	NO	3.001		2.81	2.24
4	4	Lindane (gamma-BHC)		1.81e5		NO	0.86	1.0996		26.58		1.000	YES			3.54	
5	5	Beta-BHC	5.72e2	1.38e5	2.61	YES	1.00	1.0996	28.72	28.62	1.004	1.001	NO	3.770		3.38	3.22
6	6	Delta-BHC		1.75e5		NO	0.91	1.0996		30.28		1.001	YES			2.70	
7	7	Heptachlor		9.08e4		NO	1.10	1.0996		28.74		1.001	YES			1.25	
8	8	4,4'-DDNU		1.75e5		NO	1.25	1.0996		30.19		0.998	YES			3.31	
9	9	Aldrin	3.11e2	1.40e5	3.21	YES	1.09	1.0996	30.84	30.83	1.001	1.001	NO	1.849		0.951	1.12
10	10	Oxychlordane	4.18e2	3.99e4	1.12	YES	1.08	1.0996	33.38	33.40	1.000	1.001	NO	8.990		3.18	7.80
11	11	cis-Heptachlor Epoxide	7.66e2	5.07e4	2.42	YES	1.08	1.0996	34.17	34.18	1.001	1.001	NO	12.79		2.24	9.56
12	12	trans-Heptachlor Epoxide		5.07e4		NO	0.29	1.0996		34.68		1.016	YES			8.28	
13	13	trans-Chlordane (gamma)	1.63e3	3.04e4	2.45	YES	1.14	1.0996	35.08	35.08	1.000	1.001	NO	42.82		3.32	31.8
14	14	trans-Nonachlor	3.51e3	2.90e4	1.26	NO	1.06	1.0996	35.24	35.24	1.000	1.000	NO	103.8		3.60	104
15	15	cis-Chlordane	2.34e3	2.90e4	1.21	NO	1.16	1.0996	35.75	35.79	1.014	1.016	NO	63.08		3.28	63.1





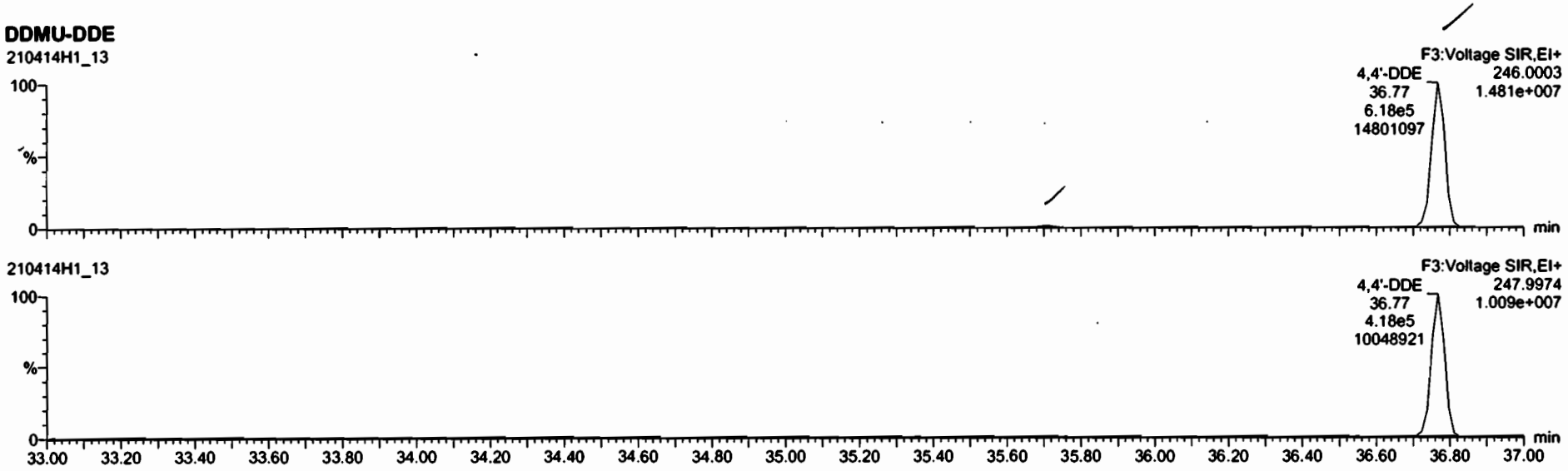
	#	Name	Resp	S AREA	RA	r/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1	Hexachlorobutadiene	8.17e4	1.24e6	0.06	YES	0.10	1.0000	10.01	10.02	1.001	1.002	NO	4416		1.81	442
2	2	Hexachlorobenzene	4.87e4	7.30e5	1.25	NO	0.98	1.0000	22.71	22.71	1.001	1.000	NO	61.64		0.101	61.6
3	3	Alpha-BHC	6.24e2	2.29e5	1.02	YES	0.83	1.0000	23.26	23.26	1.001	1.001	NO	3.001		2.81	2.24
4	4	Lindane (gamma-BHC)		1.81e5		NO	0.88	1.0000		26.58		1.000	YES			3.54	
5	5	Beta-BHC	5.72e2	1.38e5	2.81	YES	1.00	1.0000	26.72	26.62	1.004	1.001	NO	3.770		3.38	3.22
6	6	Delta-BHC		1.75e5		NO	0.91	1.0000		30.28		1.001	YES			2.70	
7	7	Heptachlor		9.08e4		NO	1.10	1.0000		28.74		1.001	YES			1.25	
8	8	4,4'-DDMU		1.75e5		NO	1.25	1.0000		30.19		0.998	YES			3.31	
9	9	Aldrin	3.11e2	1.40e5	3.21	YES	1.09	1.0000	30.84	30.83	1.001	1.001	NO	1.849		0.951	1.12
10	10	Oxychlordane	4.18e2	3.99e4	1.12	YES	1.06	1.0000	33.38	33.40	1.000	1.001	NO	8.090		3.18	7.80
11	11	cis-Heptachlor Epoxide	7.66e2	5.07e4	2.42	YES	1.08	1.0000	34.17	34.18	1.001	1.001	NO	12.79		2.24	9.56
12	12	trans-Heptachlor Epoxide		5.97e4		NO	0.29	1.0000		34.68		1.016	YES			8.28	
13	13	trans-Chlordane (gamma)	1.63e3	3.84e4	2.45	YES	1.14	1.0000	35.06	35.06	1.000	1.001	NO	42.82		3.32	31.8
14	14	trans-Nonachlor	3.51e3	2.90e4	1.28	NO	1.06	1.0000	35.24	35.24	1.000	1.000	NO	103.8		3.00	104
15	15	cis-Chlordane	2.31e3	2.98e4	1.18	YES	1.10	1.0000	35.75	35.75	1.014	1.016	NO	62.76		3.28	54.8

Dataset: Untitled

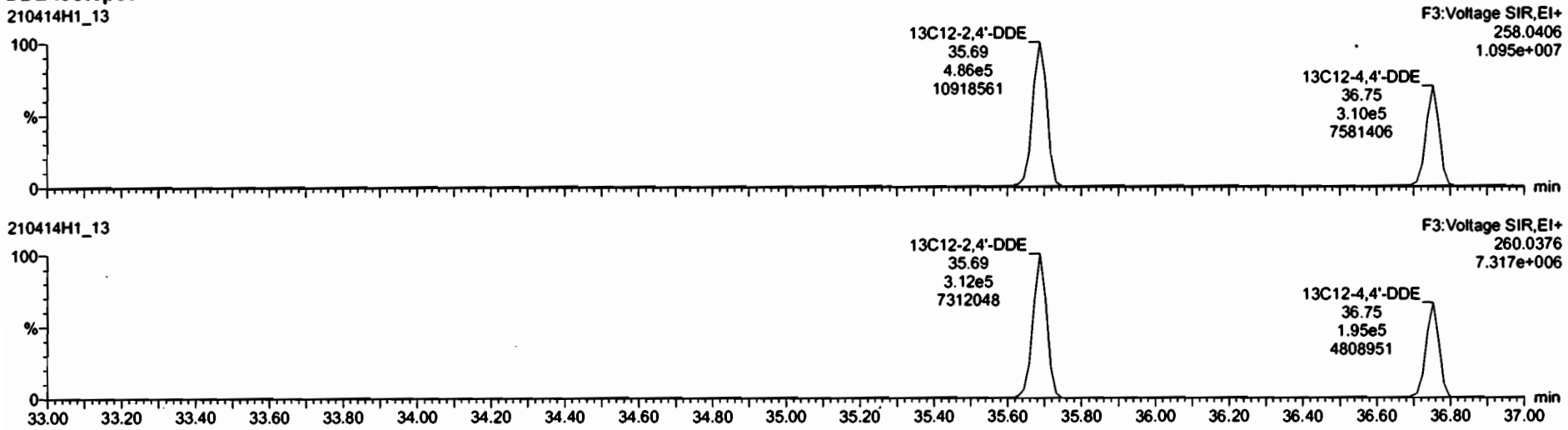
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

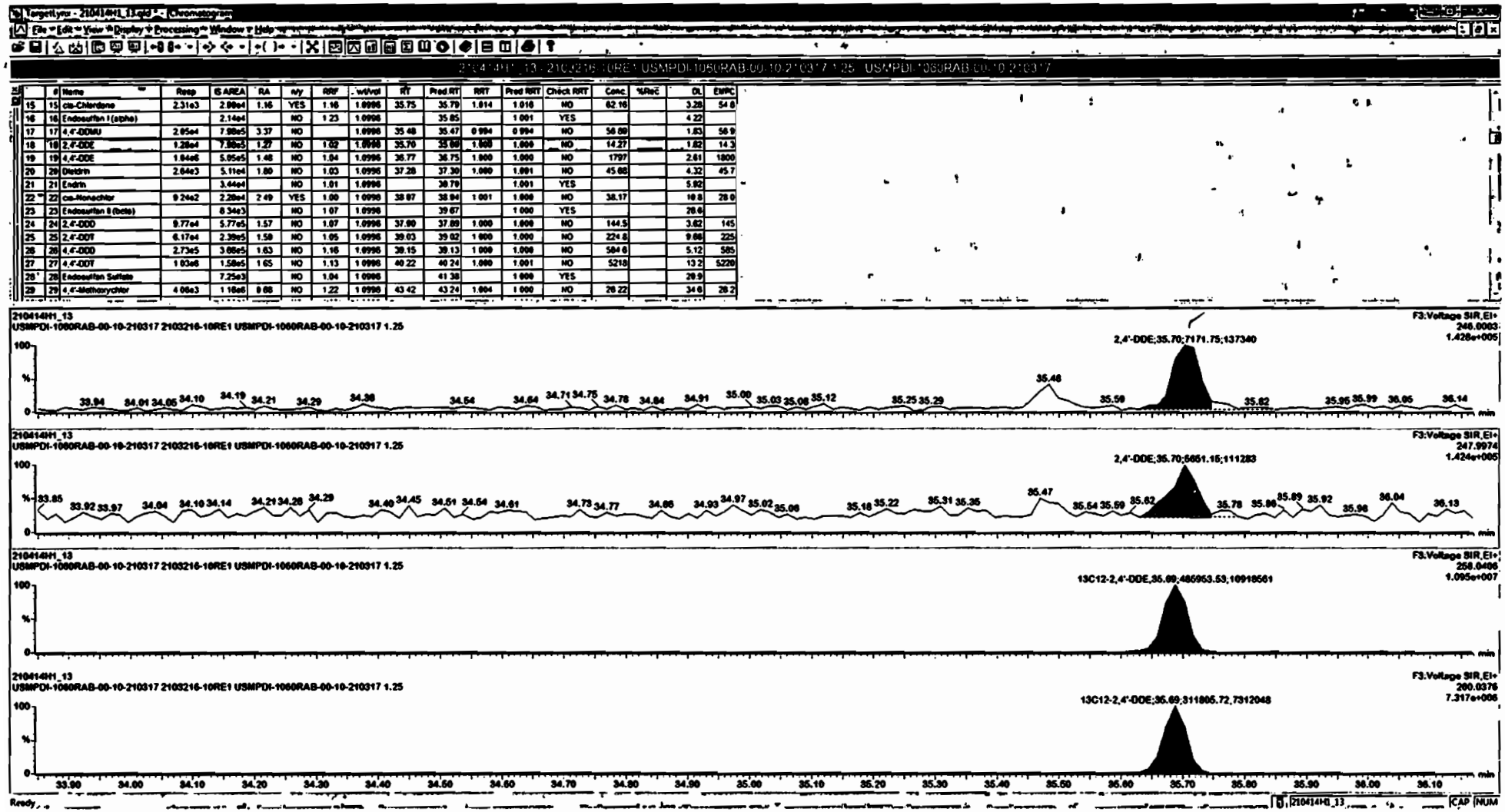
Name: 210414H1_13, Date: 14-Apr-2021, Time: 19:30:15, ID: 2103216-10RE1 USMPDI-1060RAB-00-10-210317 1.25, Description: USMPDI-1060RAB-00-10-210317

DDMU-DDE



DDE-isotopes





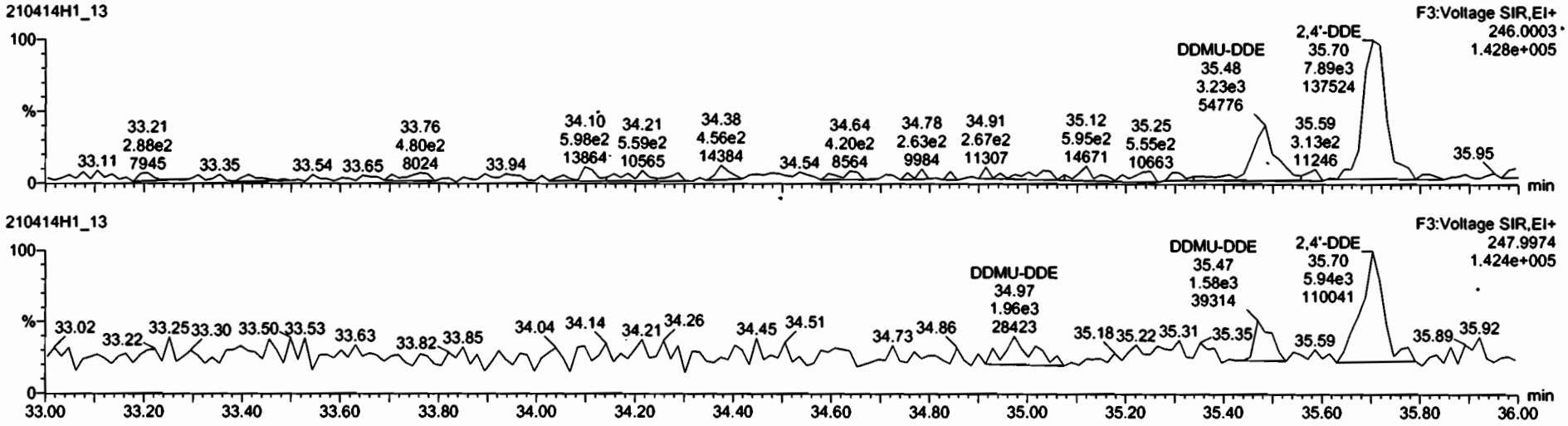
	#	Name	Resp	IS AREA	RA	a/y	RRF	wt/vol	RT	Prod RT	RRT	Prod RRT	Chk RT	Conc	%Rec	DL	EMPC
15	15	cis-Chlordane	2.31e3	2.00e4	1.16	YES	1.16	1.0000	35.75	35.79	1.014	1.016	NO	62.16		3.28	54.8
16	16	Endosulfan I (alpha)		2.14e4		NO	1.23	1.0000		35.85		1.001	YES			4.22	
17	17	4,4'-DDMU	2.95e4	7.98e5	3.37	NO		1.0000	35.48	35.47	0.994	0.994	NO	56.89		1.83	56.9
18	18	2,4'-DDE	1.28e4	7.98e5	1.27	NO	1.02	1.0000	35.70	35.68	1.000	1.000	NO	14.27		1.82	14.3
19	19	4,4'-DDE	1.84e6	5.05e5	1.48	NO	1.04	1.0000	36.77	36.75	1.000	1.000	NO	1797		2.61	1800
20	20	Dieldrin	2.64e3	5.11e4	1.80	NO	1.03	1.0000	37.28	37.30	1.000	1.001	NO	45.68		4.32	45.7
21	21	Endrin		3.44e4		NO	1.01	1.0000		38.79		1.001	YES			5.92	
22	22	cis-Nonachlor	9.24e2	2.28e4	2.49	YES	1.00	1.0000	38.97	38.94	1.001	1.000	NO	38.17		10.8	28.8
23	23	Endosulfan II (beta)		8.34e3		NO	1.07	1.0000		39.67		1.000	YES			28.6	
24	24	2,4'-DDD	9.77e4	5.77e5	1.57	NO	1.07	1.0000	37.90	37.89	1.000	1.000	NO	144.5		3.62	145
25	25	2,4'-DDT	6.17e4	2.39e5	1.58	NO	1.05	1.0000	39.03	39.02	1.000	1.000	NO	224.8		9.66	225
26	26	4,4'-DDD	2.73e5	3.66e5	1.63	NO	1.16	1.0000	39.15	39.13	1.000	1.000	NO	584.6		5.12	585
27	27	4,4'-DDT	1.03e6	1.58e5	1.65	NO	1.13	1.0000	40.22	40.24	1.000	1.001	NO	5218		13.2	5220
28	28	Endosulfan Sulfate		7.25e3		NO	1.04	1.0000		41.38		1.000	YES			20.9	
29	29	4,4'-Methoxychlor	4.06e3	1.16e6	0.68	NO	1.22	1.0000	43.42	43.24	1.004	1.000	NO	26.22		34.6	26.2

Dataset: Untitled

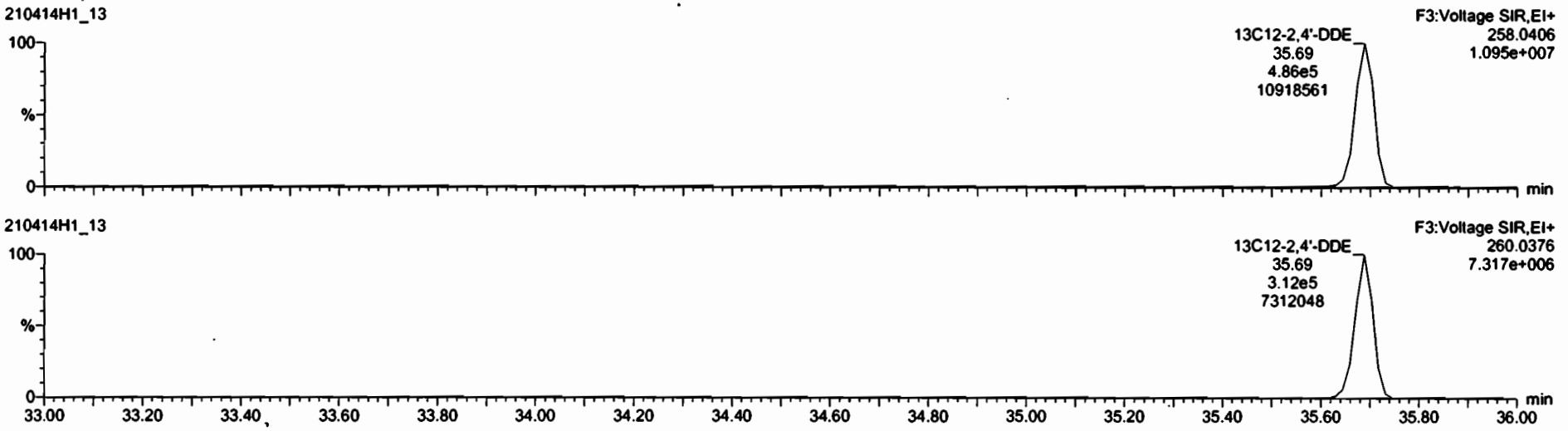
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_13, Date: 14-Apr-2021, Time: 19:30:15, ID: 2103216-10RE1 USMPDI-1060RAB-00-10-210317 1.25, Description: USMPDI-1060RAB-00-10-210317

2,4'-DDE



13C12-2,4'-DDE



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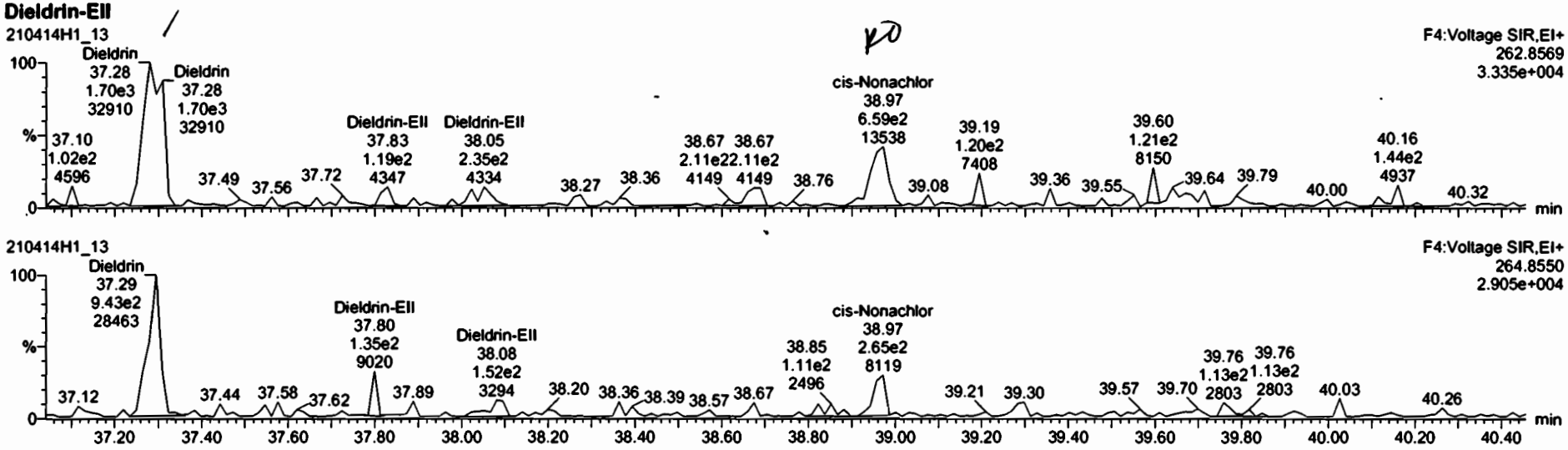
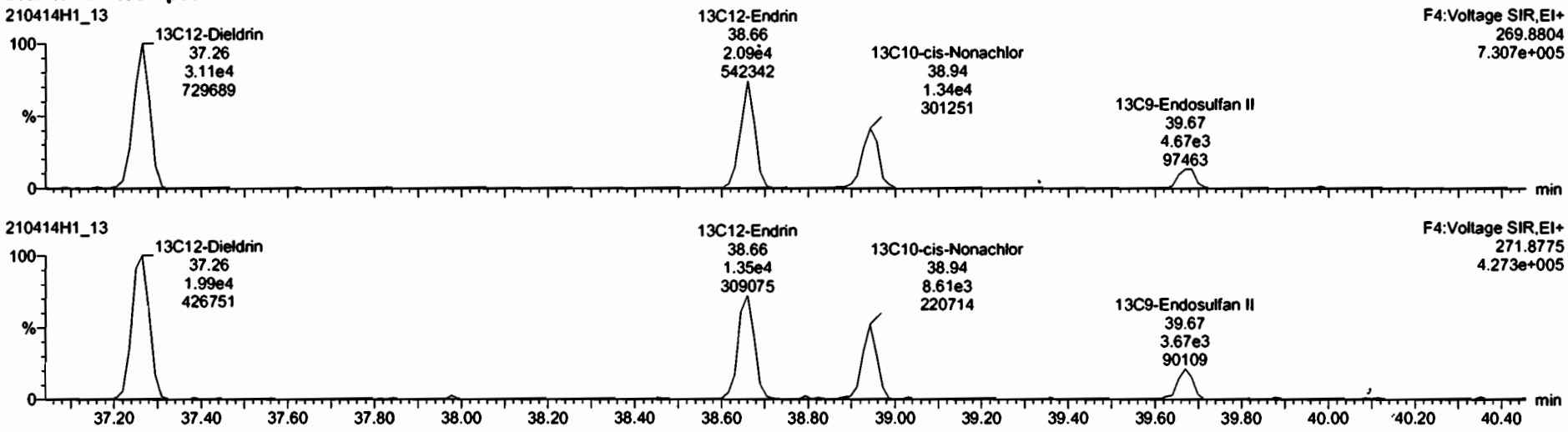
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

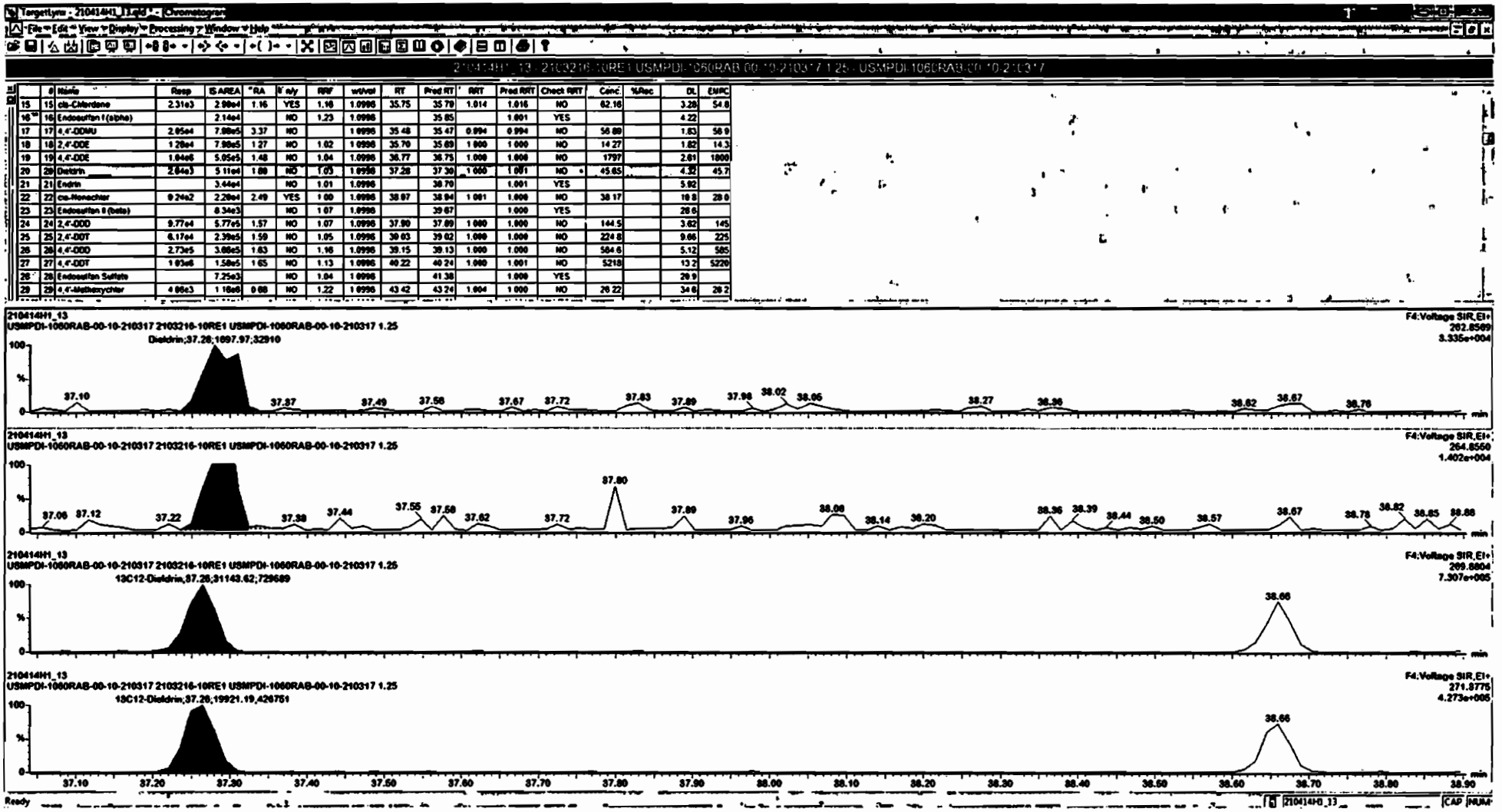
Name: 210414H1_13, Date: 14-Apr-2021, Time: 19:30:15, ID: 2103216-10RE1 USMPDI-1060RAB-00-10-210317 1.25, Description: USMPDI-1060RAB-00-10-210317

Dieldrin-EII

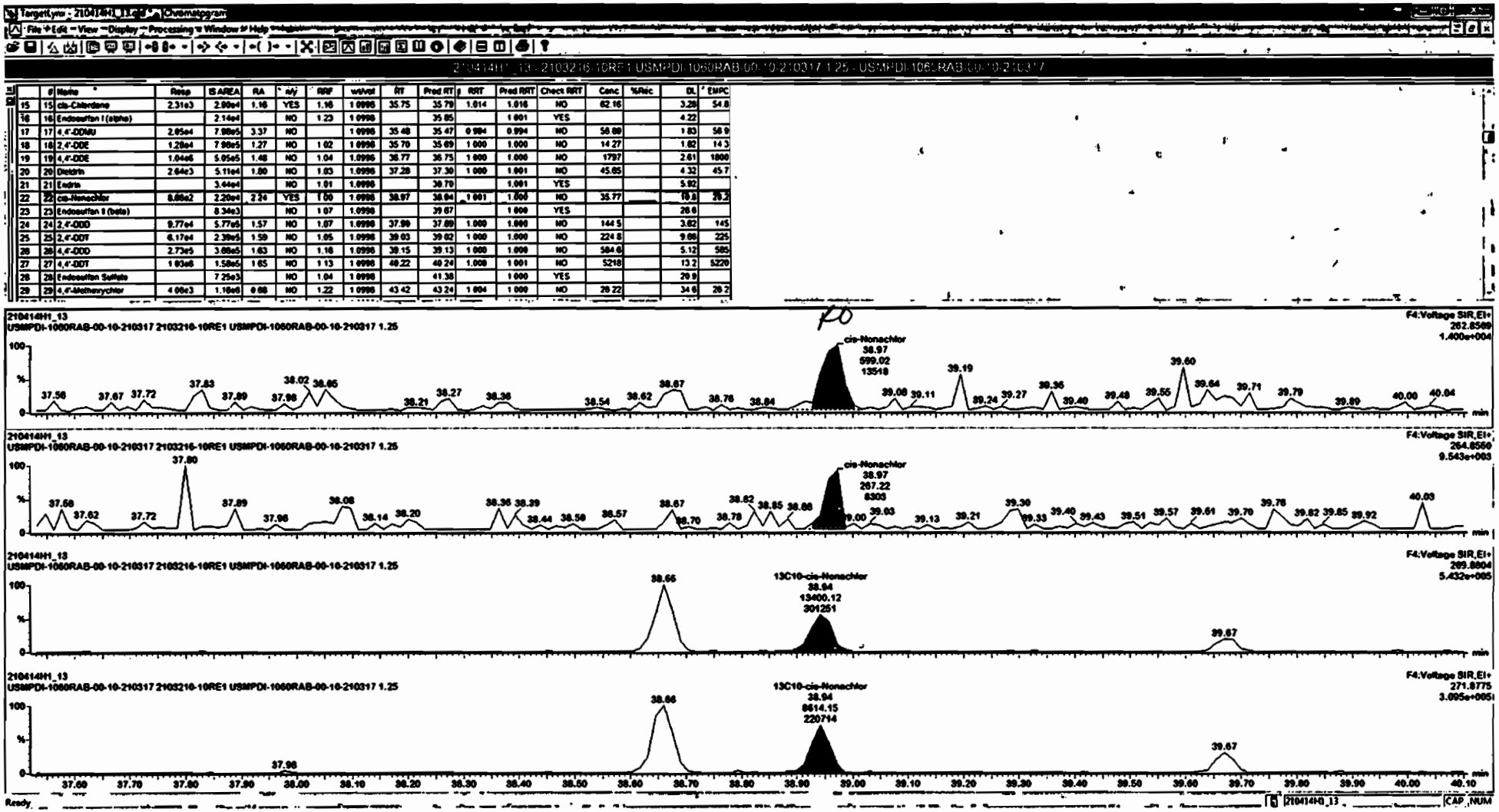


Dieldrin-EII-isotopes





	#	Name	Resp	IS AREA	%A	Y n/y	RRF	w/v/vol	RT	Prod RT	RRT	Prod RRT	Check RRT	Conc	%Rec	DL	EMPC
15	15	cis-Chlordane	2.31e3	2.98e4	1.16	YES	1.16	1.0996	35.75	35.79	1.014	1.016	NO	62.16		3.28	54.8
16	16	Endosulfan I (alpha)		2.14e4		NO	1.23	1.0996		35.85		1.001	YES			4.22	
17	17	4,4'-DDMU	2.95e4	7.98e5	3.37	NO		1.0996	35.48	35.47	0.994	0.994	NO	56.89		1.83	56.9
18	18	2,4'-DDE	1.28e4	7.98e5	1.27	NO	1.02	1.0996	35.70	35.69	1.000	1.000	NO	14.27		1.82	14.3
19	19	4,4'-DDE	1.04e6	5.05e5	1.48	NO	1.04	1.0996	38.77	38.75	1.000	1.000	NO	1797		2.61	1800
20	20	Dieldrin	2.84e3	5.11e4	1.88	NO	1.05	1.0996	37.28	37.30	1.000	1.001	NO	45.65		4.32	45.7
21	21	Endrin		3.44e4		NO	1.01	1.0996		38.70		1.001	YES			5.92	
22	22	cis-Nonachlor	9.24e2	2.29e4	2.49	YES	1.00	1.0996	38.97	38.94	1.001	1.000	NO	38.17		10.8	28.0
23	23	Endosulfan II (beta)		8.34e3		NO	1.07	1.0996		39.67		1.000	YES			28.6	
24	24	2,4'-DDD	9.77e4	5.77e5	1.57	NO	1.07	1.0996	37.90	37.89	1.000	1.000	NO	144.5		3.62	145
25	25	2,4'-DDT	6.17e4	2.39e5	1.59	NO	1.05	1.0996	39.03	39.02	1.000	1.000	NO	224.8		9.86	225
26	26	4,4'-DDD	2.73e5	3.86e5	1.63	NO	1.16	1.0996	39.15	39.13	1.000	1.000	NO	584.6		5.12	585
27	27	4,4'-DDT	1.93e6	1.58e5	1.65	NO	1.13	1.0996	40.22	40.24	1.000	1.001	NO	5218		13.2	5220
28	28	Endosulfan Sulfate		7.25e3		NO	1.04	1.0996		41.38		1.000	YES			29.9	
29	29	4,4'-Methoxychlor	4.86e3	1.18e6	0.88	NO	1.22	1.0996	43.42	43.24	1.004	1.000	NO	29.22		34.8	29.2



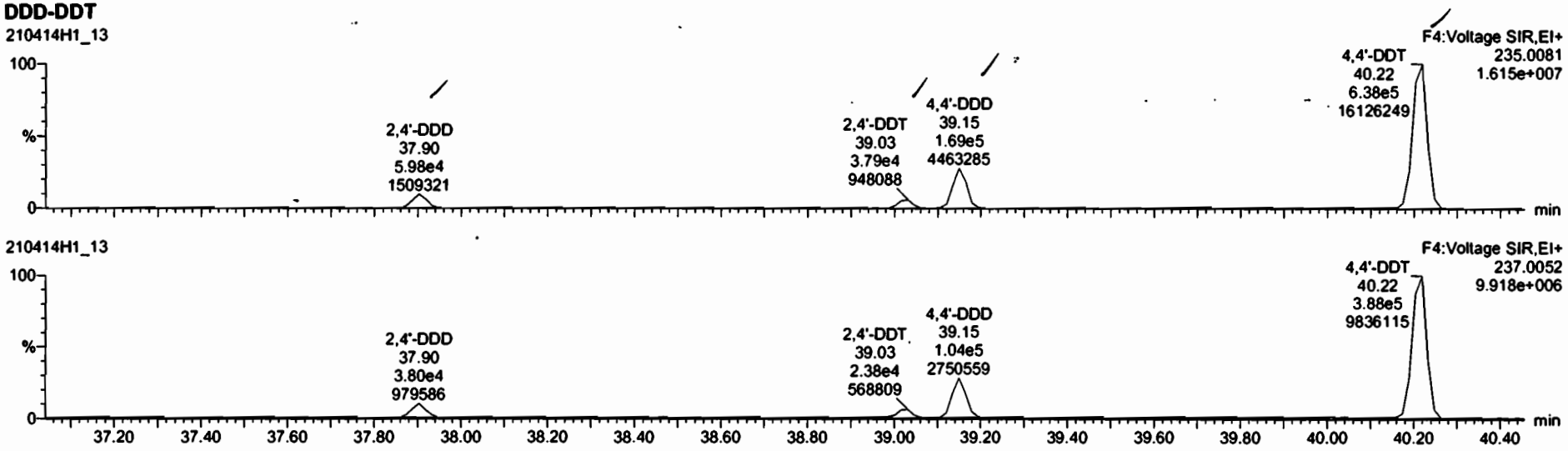
	#	Name	Resp	IS AREA	RA	+/-	RRF	w/v/vol	RT	Pred RT	RRT	Pred RRT	Chect RRT	Conc	%Rec	DL	EMPC
15	15	cis-Chlordane	2.31e3	2.90e4	1.16	YES	1.16	1.0996	35.75	35.79	1.014	1.016	NO	62.16		3.28	54.8
16	16	Endosulfan I (alpha)		2.14e4		NO	1.23	1.0996		35.85		1.001	YES			4.22	
17	17	4,4'-DDMU	2.95e4	7.98e5	3.37	NO		1.0996	35.48	35.47	0.994	0.994	NO	58.89		1.83	58.9
18	18	2,4'-DDE	1.28e4	7.98e5	1.27	NO	1.02	1.0996	35.70	35.69	1.000	1.000	NO	14.27		1.82	14.3
19	19	4,4'-DDE	1.04e6	5.95e5	1.48	NO	1.04	1.0996	36.77	36.75	1.000	1.000	NO	1797		2.61	1800
20	20	Dieldrin	2.64e3	5.11e4	1.80	NO	1.03	1.0996	37.28	37.30	1.000	1.001	NO	45.65		4.32	45.7
21	21	Endrin		3.44e4		NO	1.01	1.0996		38.70		1.001	YES			5.92	
22	22	cis-Nonachlor	8.68e2	2.20e4	2.24	YES	1.00	1.0996	38.97	38.94	1.001	1.000	NO	35.77		10.8	36.2
23	23	Endosulfan II (beta)		8.34e3		NO	1.07	1.0996		39.67		1.000	YES			26.6	
24	24	2,4'-DDD	9.77e4	5.77e5	1.57	NO	1.07	1.0996	37.99	37.89	1.000	1.000	NO	144.5		3.62	145
25	25	2,4'-DDT	6.17e4	2.38e5	1.59	NO	1.05	1.0996	39.03	39.02	1.000	1.000	NO	224.8		9.66	225
26	26	4,4'-DDD	2.73e5	3.88e5	1.63	NO	1.16	1.0996	39.15	39.13	1.000	1.000	NO	584.6		5.12	585
27	27	4,4'-DDT	1.83e6	1.58e5	1.65	NO	1.13	1.0996	40.22	40.24	1.000	1.001	NO	5218		13.2	5220
28	28	Endosulfan Sulfate		7.25e3		NO	1.04	1.0996		41.36		1.000	YES			20.9	
29	29	4,4'-Methoxychlor	4.06e3	1.16e6	0.68	NO	1.22	1.0996	43.42	43.24	1.004	1.000	NO	28.22		34.6	28.2

Dataset: Untitled

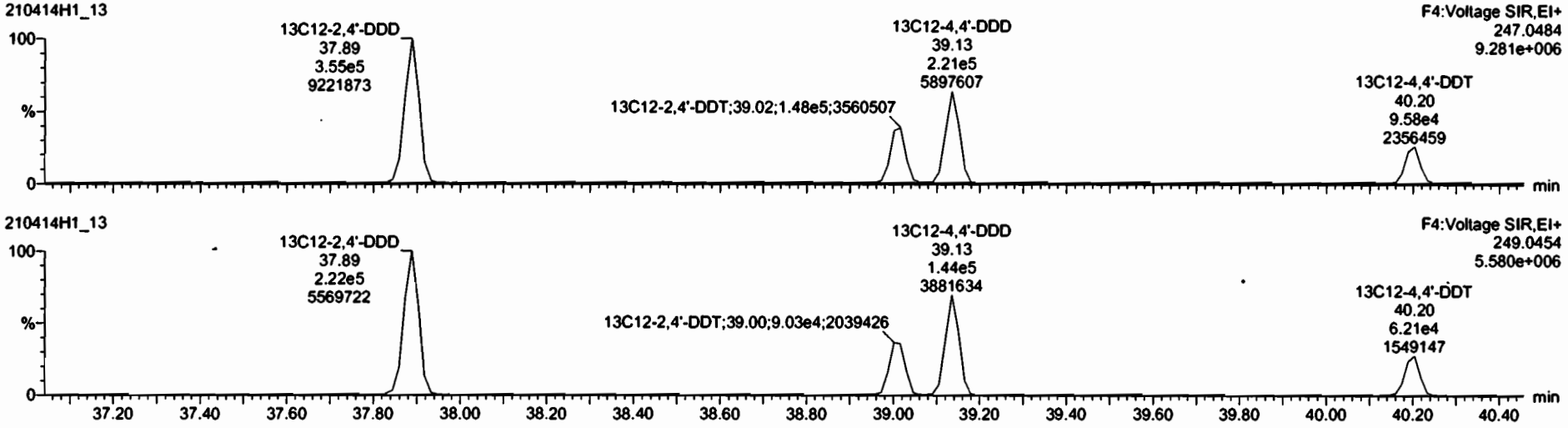
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_13, Date: 14-Apr-2021, Time: 19:30:15, ID: 2103216-10RE1 USMPDI-1060RAB-00-10-210317 1.25, Description: USMPDI-1060RAB-00-10-210317

DDD-DDT



DDD-DDT-isotopes



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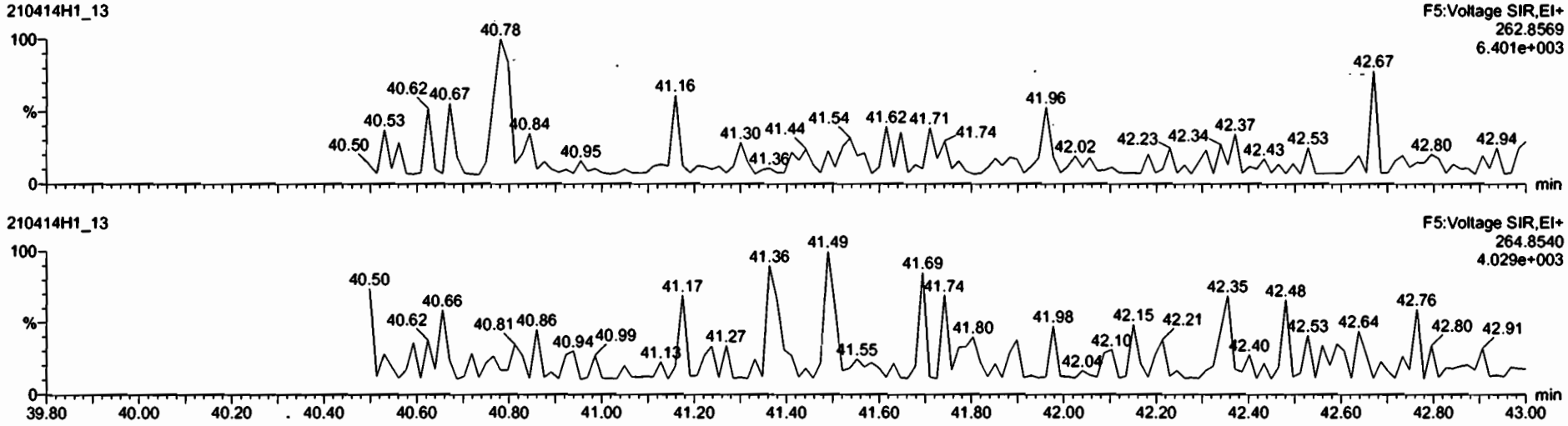
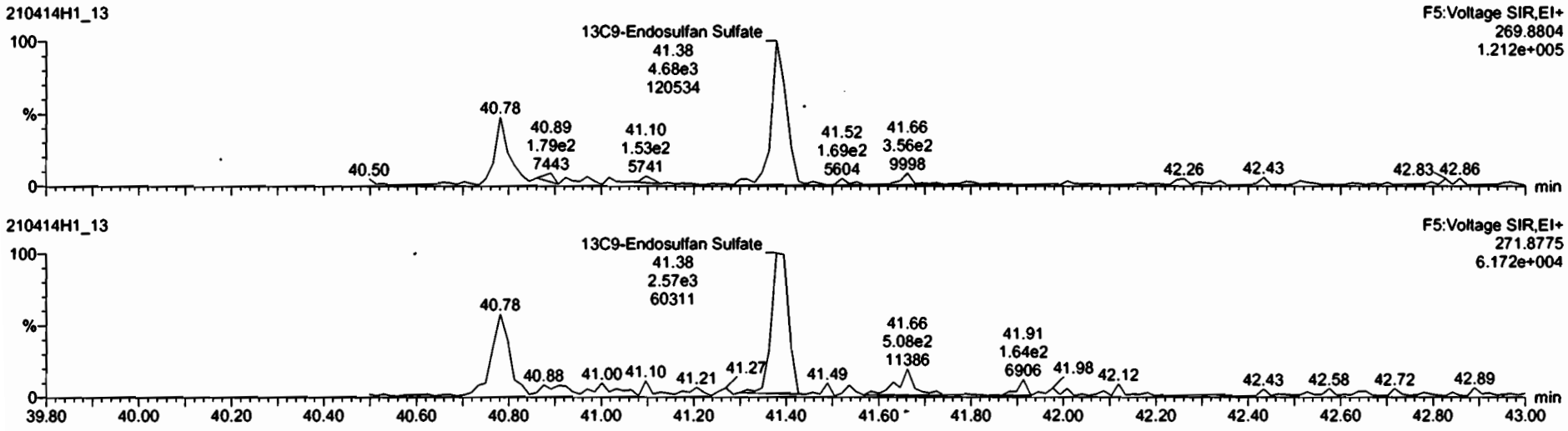
Name: 210414H1_13, Date: 14-Apr-2021, Time: 19:30:15, ID: 2103216-10RE1 USMPDI-1060RAB-00-10-210317 1.25, Description: USMPDI-1060RAB-00-10-210317

Endosulfan Sulfate



13C9-Endosulfan Sulfate



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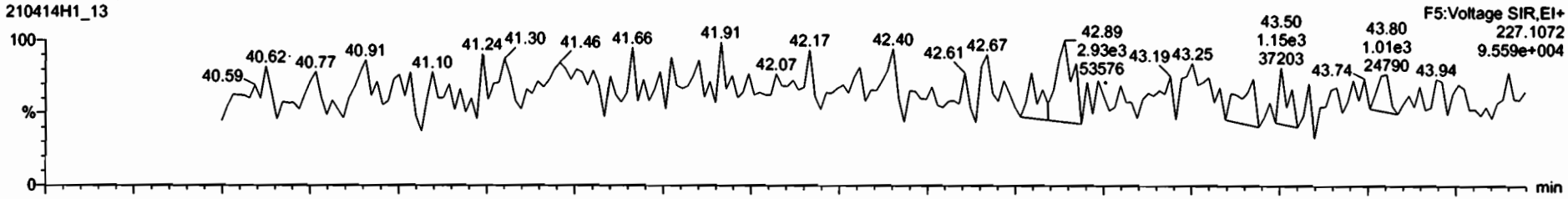
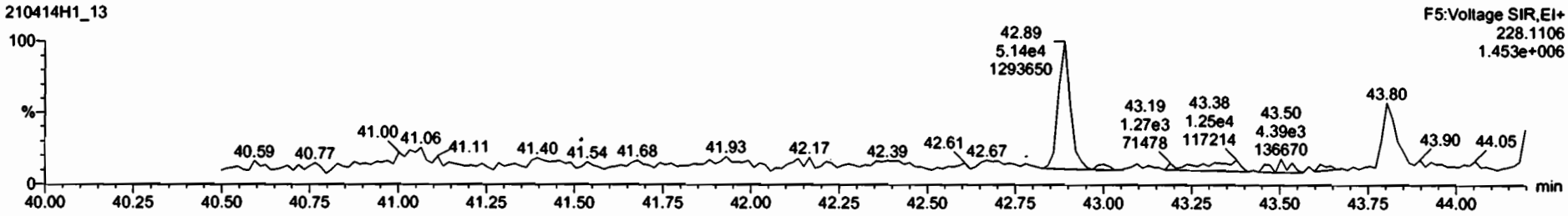
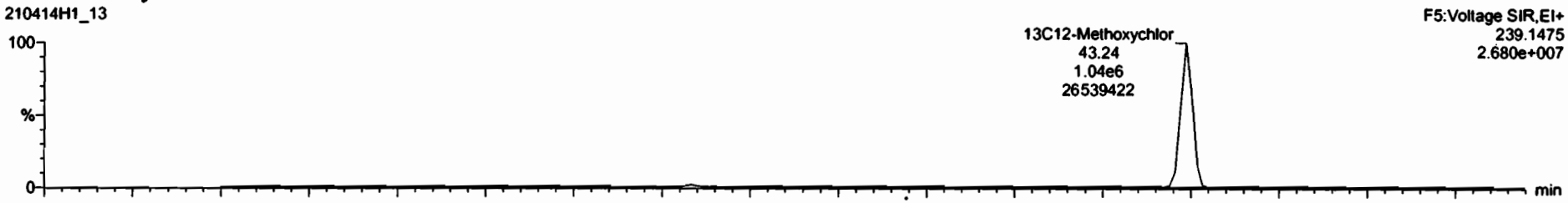
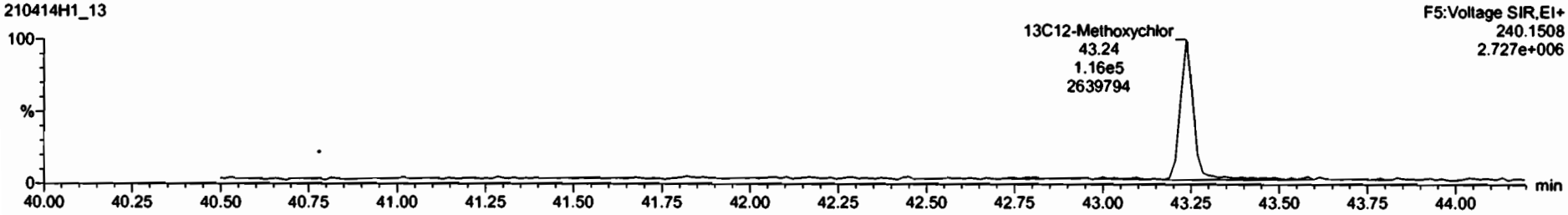
4,4'-Methoxychlor





13C12-Methoxychlor





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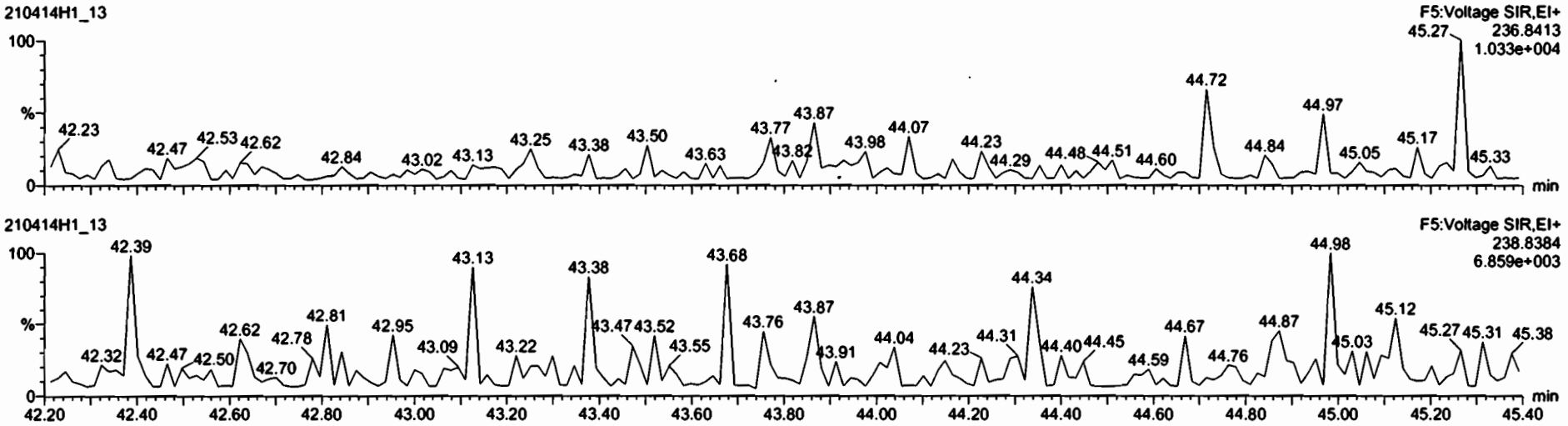
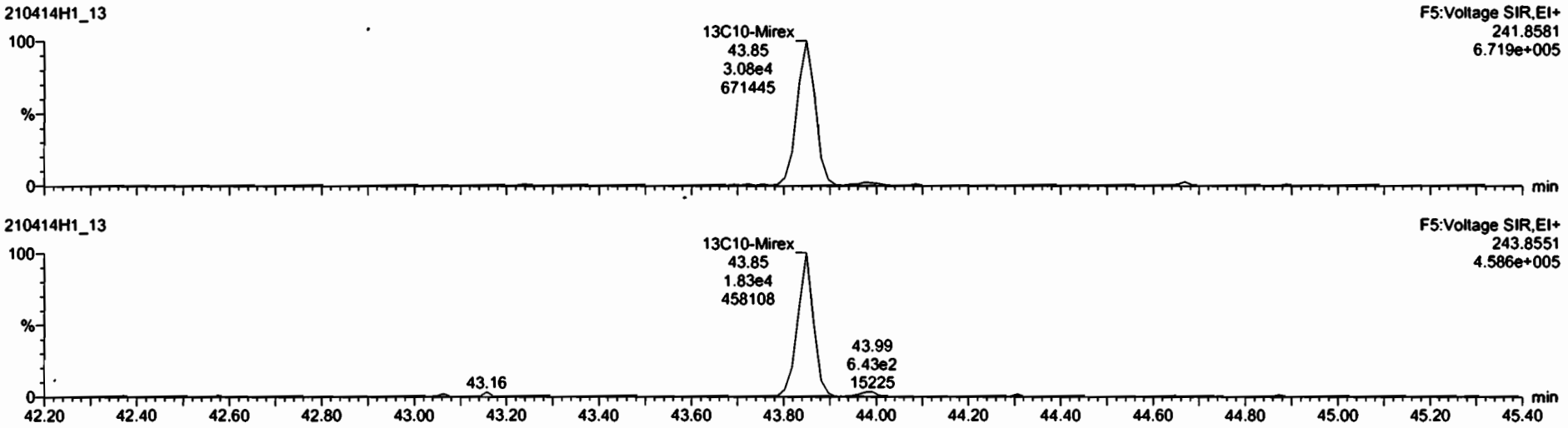
Name: 210414H1_13, Date: 14-Apr-2021, Time: 19:30:15, ID: 2103216-10RE1 USMPDI-1060RAB-00-10-210317 1.25, Description: USMPDI-1060RAB-00-10-210317

Mirex



13C10-Mirex



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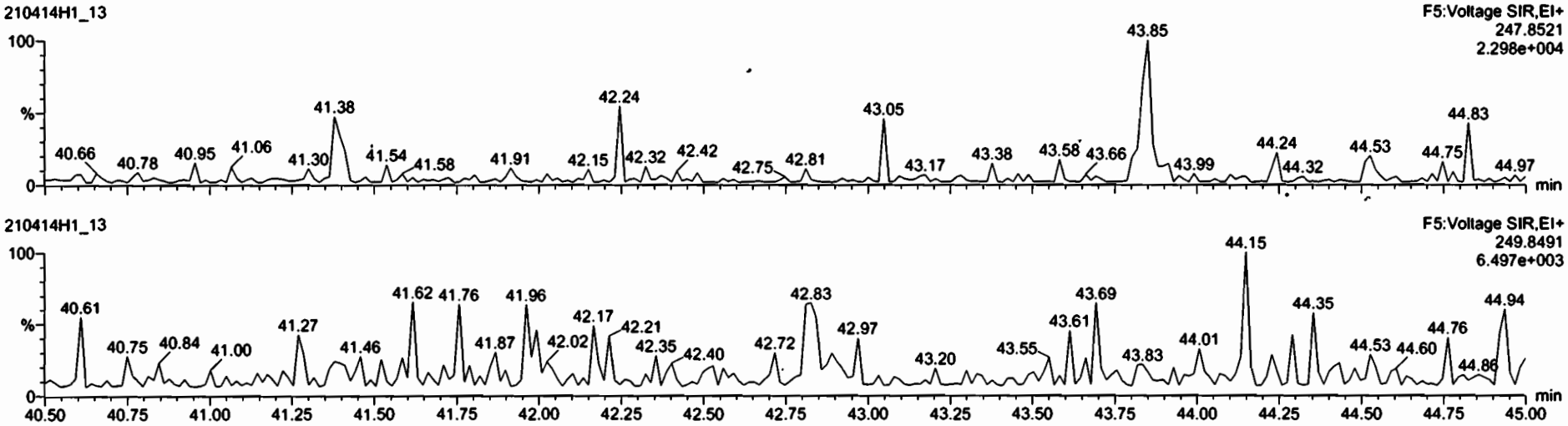
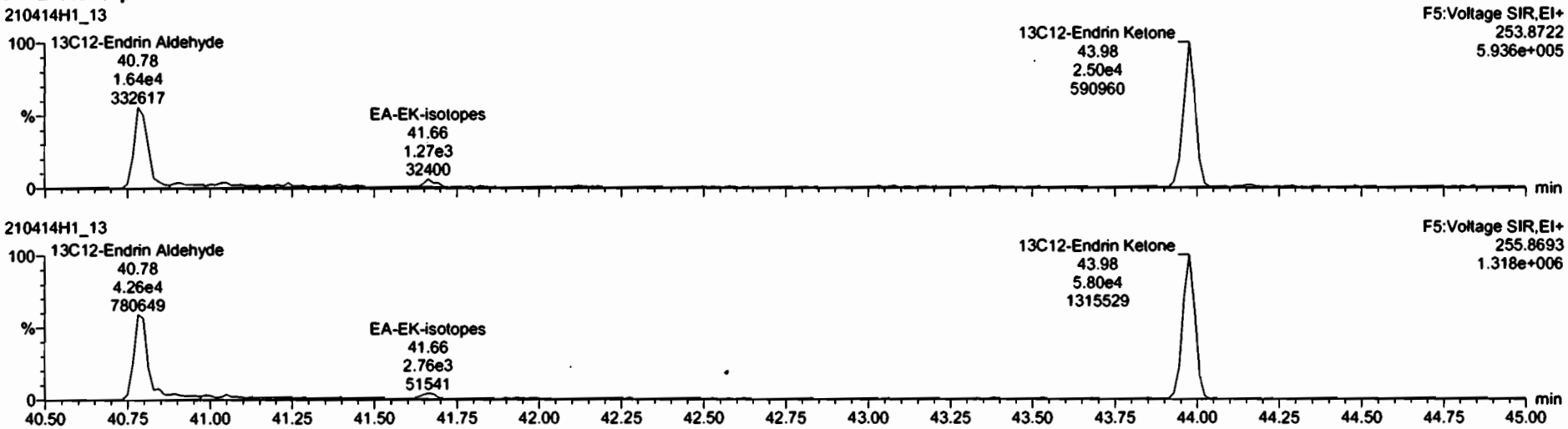
EA-EK



EA-EK-isotopes



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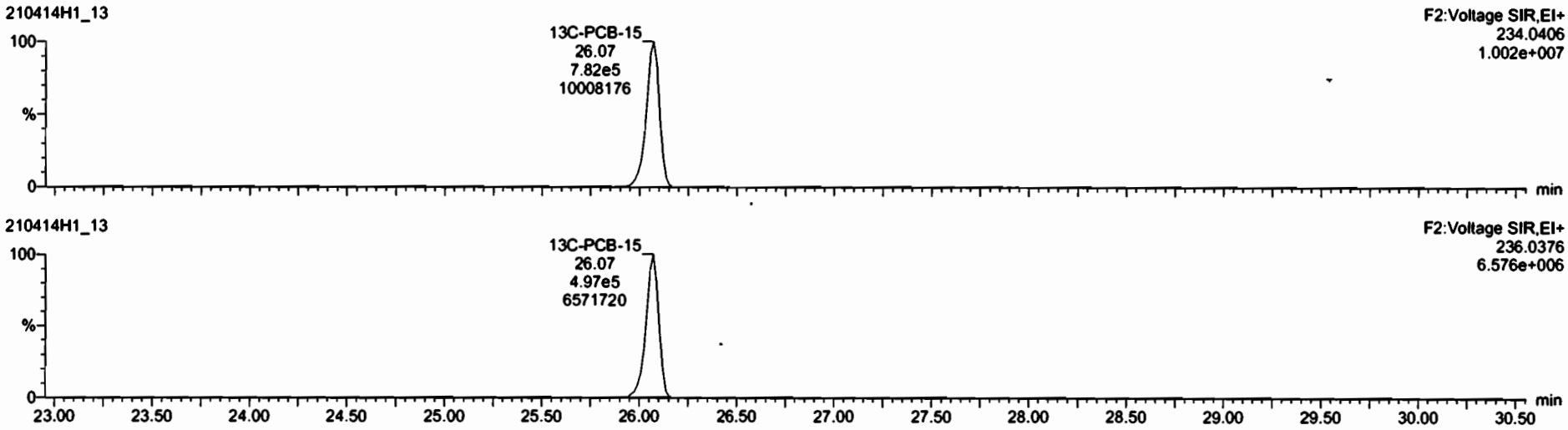
13C-PCB-15



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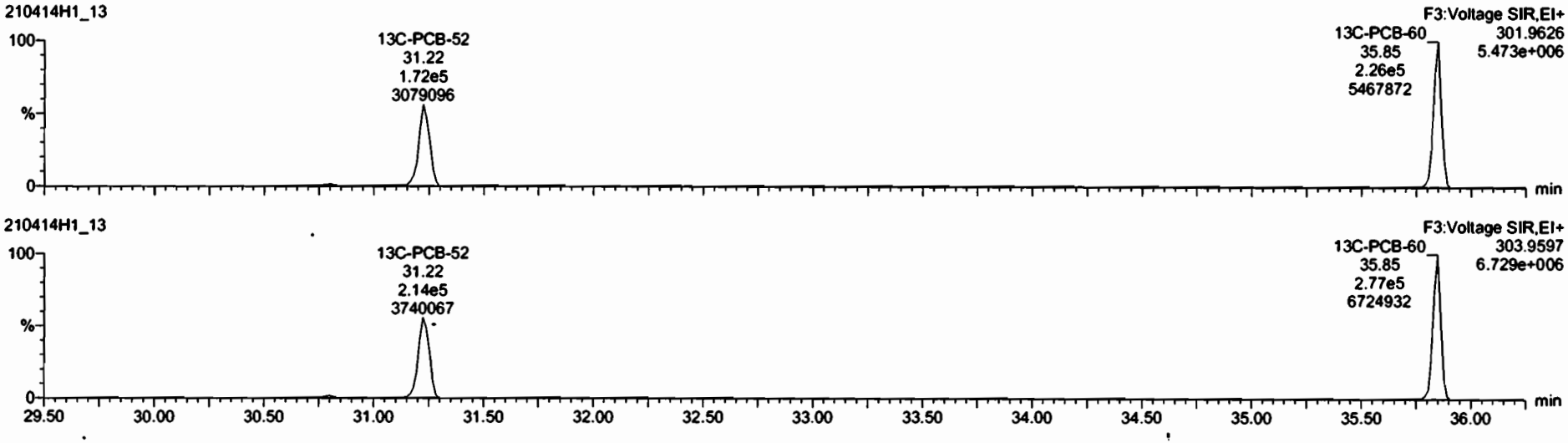

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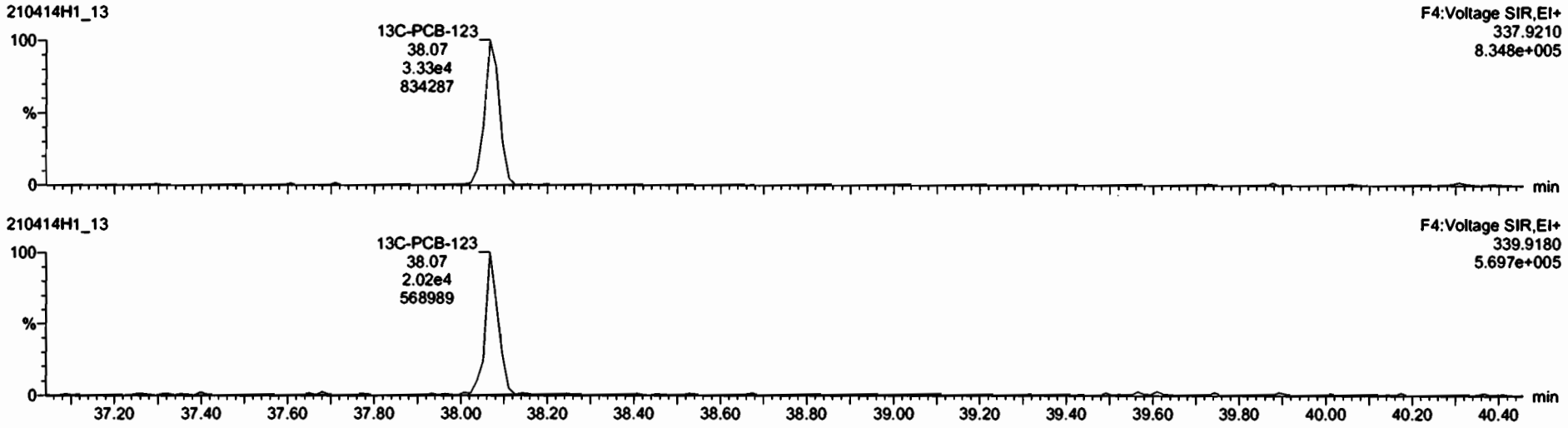

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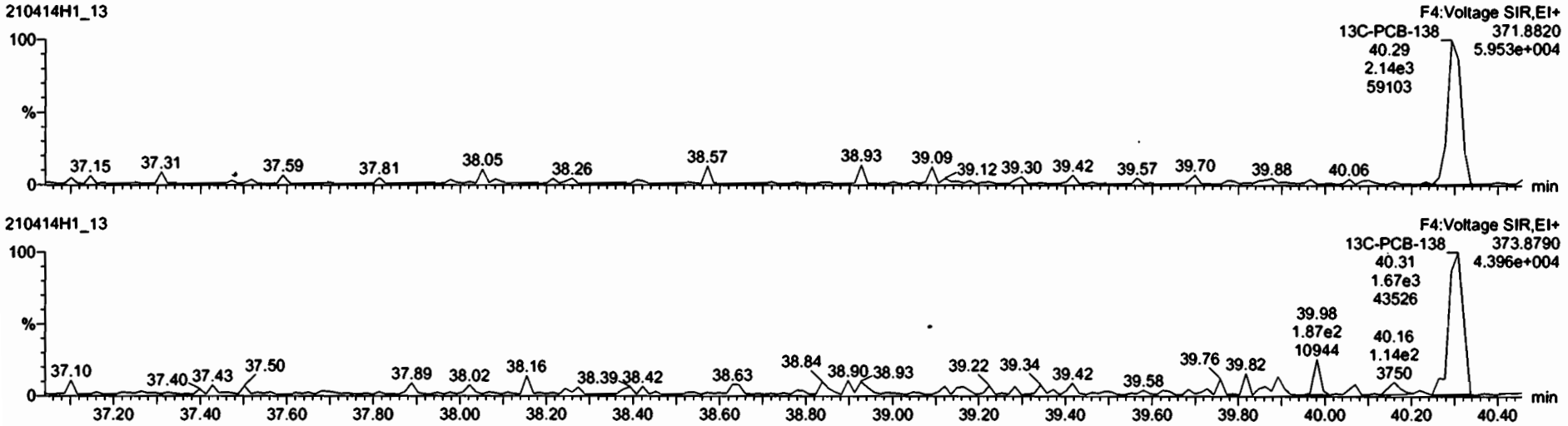

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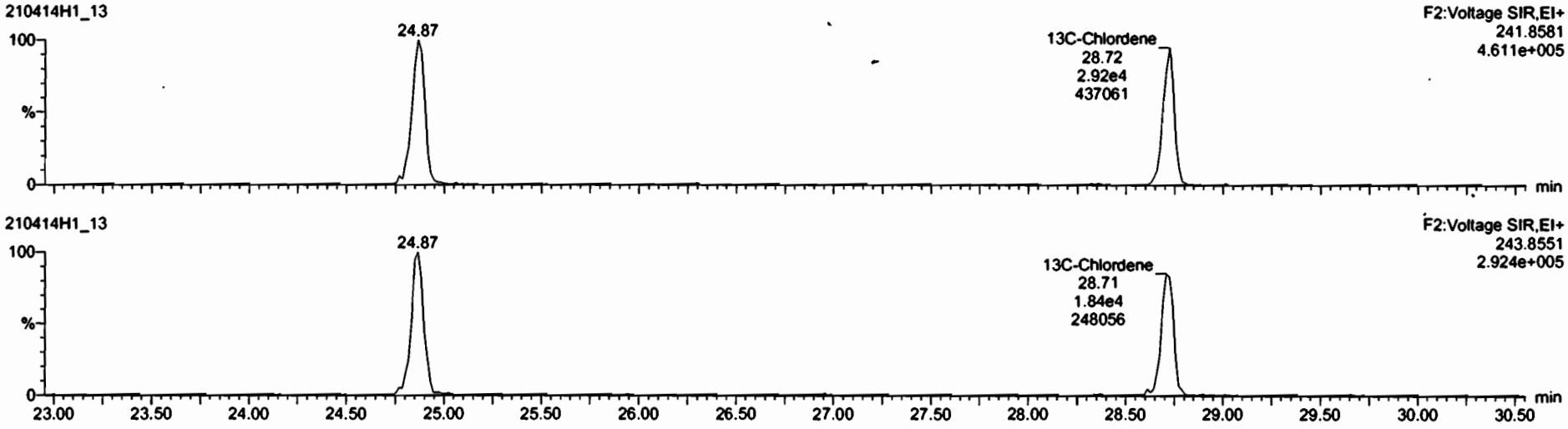
13C-Chlordene



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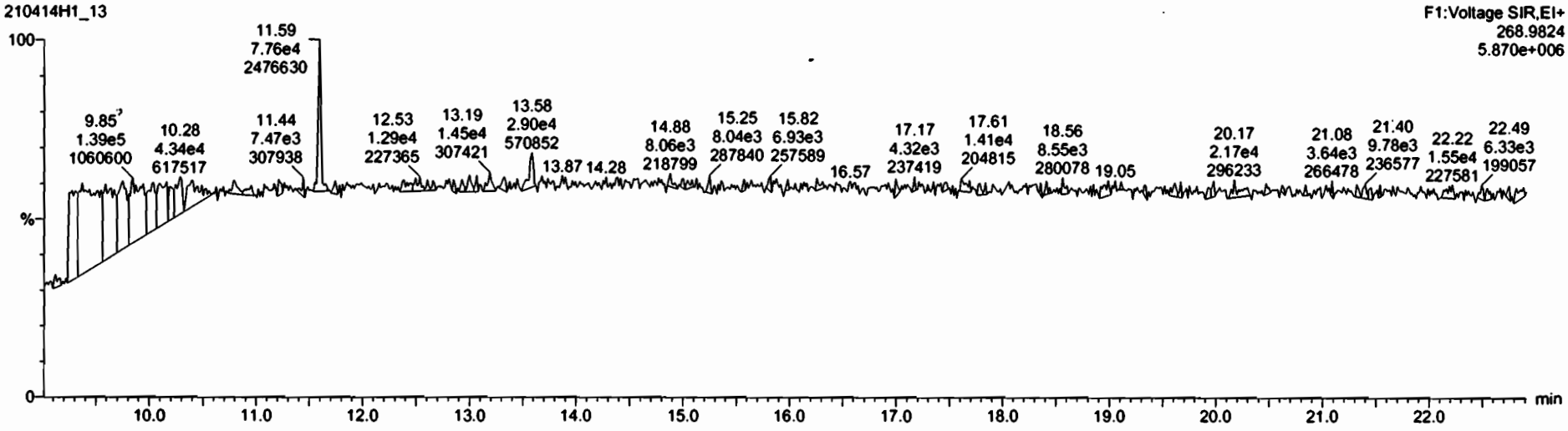

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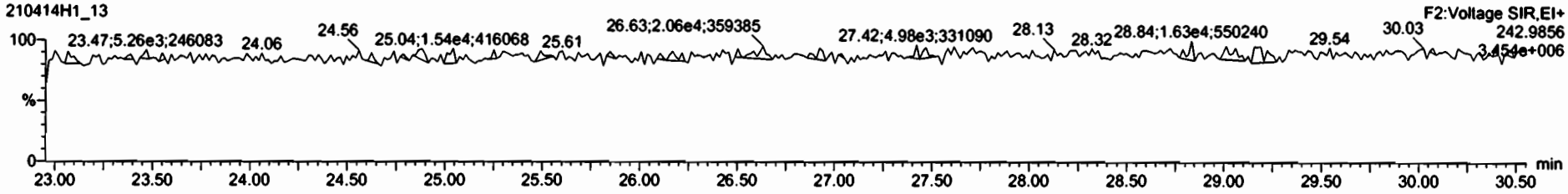
PFK2



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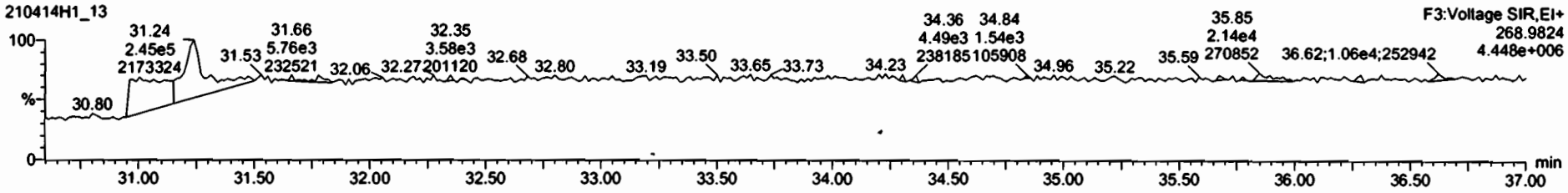

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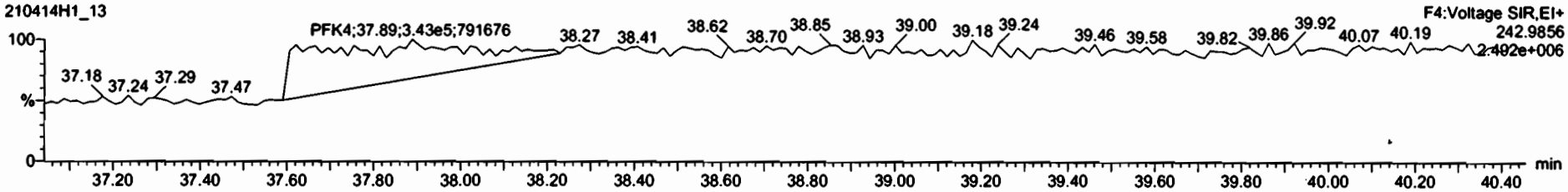
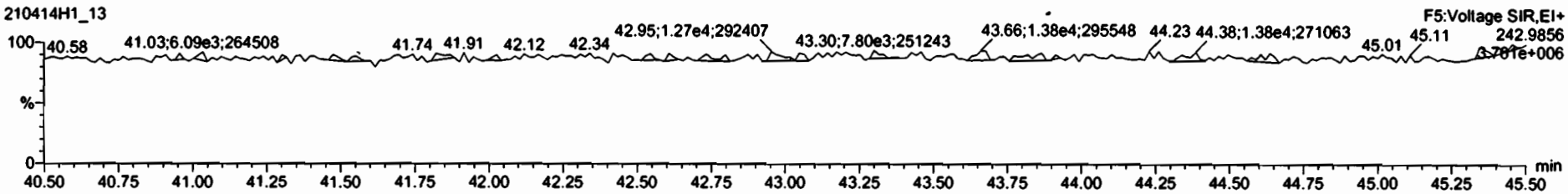


PFK5



Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_4.qld

Last Altered: Friday, April 16, 2021 10:17:02 Pacific Daylight Time
Printed: Friday, April 16, 2021 17:09:29 Pacific Daylight Time

OC 04/28/21
DF 04/16/21

CTL 5/03/2021

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Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210415H1_4, Date: 15-Apr-2021, Time: 12:05:35, ID: 2103216-10RE1@5X USMPDI-1060RAB-00-10-210317 1.25, Description: USMPDI-1060RAB-00-10-210317, Task: ST210415H1_1

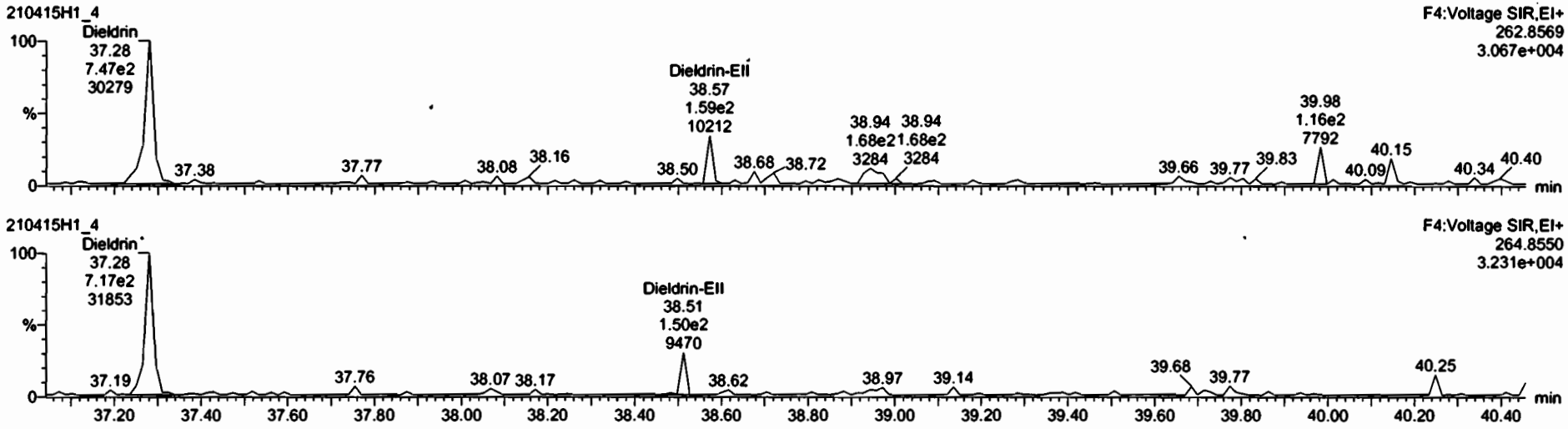
	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	27 4,4'-DDT	5.92e5	9.07e4	1.60	NO	1.13	1.100	40.20	1.000	1.001	NO	5246.9		20.8	5250
2	55 13C12-4,4'-DDT	9.07e4	1.71e5	1.51	NO	0.735	1.100	40.19	1.122	1.122	NO	657.35	72.3	11.7	
3	63 13C-PCB-60	1.71e5	1.71e5	0.81	NO	1.00	1.100	35.83	1.000	1.000	NO	909.41	100	3.91	

Dataset: Untitled

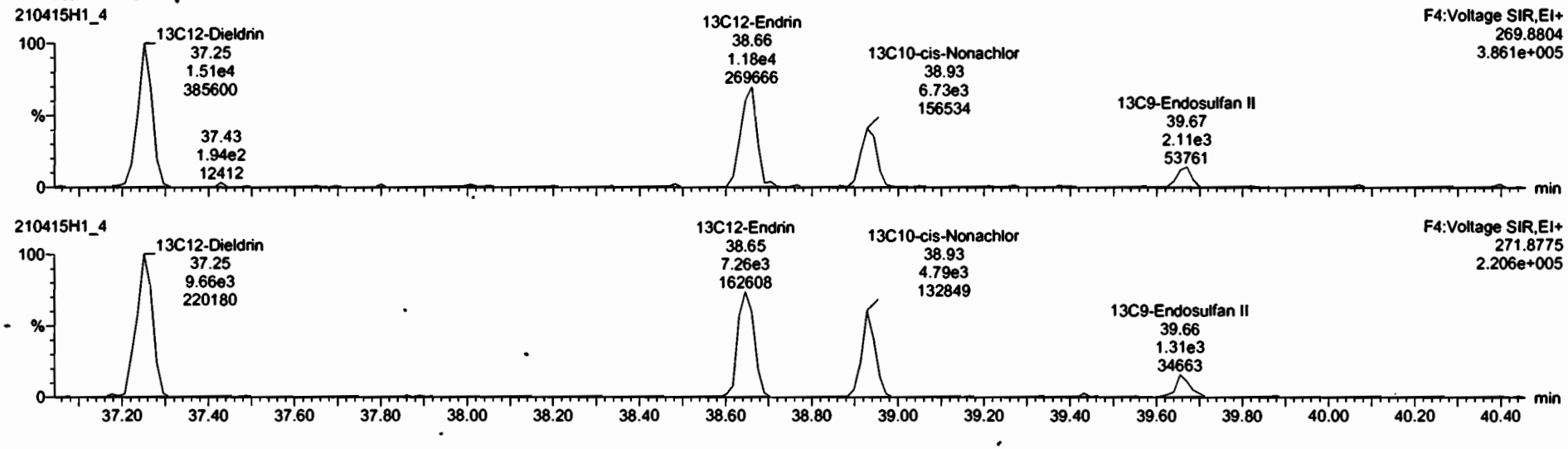
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_4, Date: 15-Apr-2021, Time: 12:05:35, ID: 2103216-10RE1@5X USMPDI-1060RAB-00-10-210317 1.25, Description: USMPDI-1060RAB-00-10-210317

Dieldrin-EII



Dieldrin-EII-Isotopes



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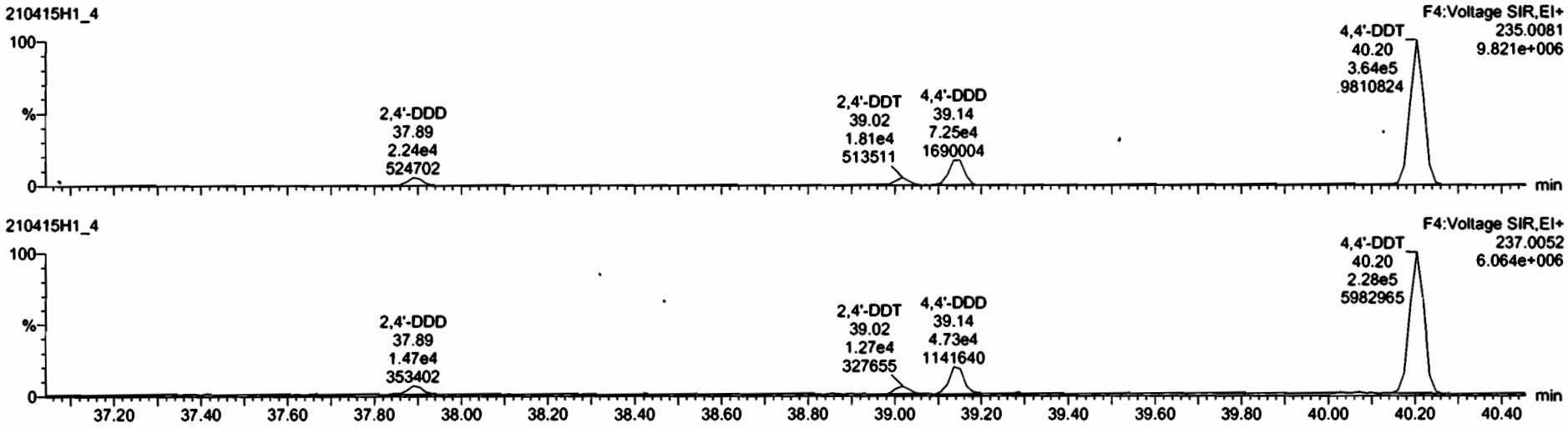
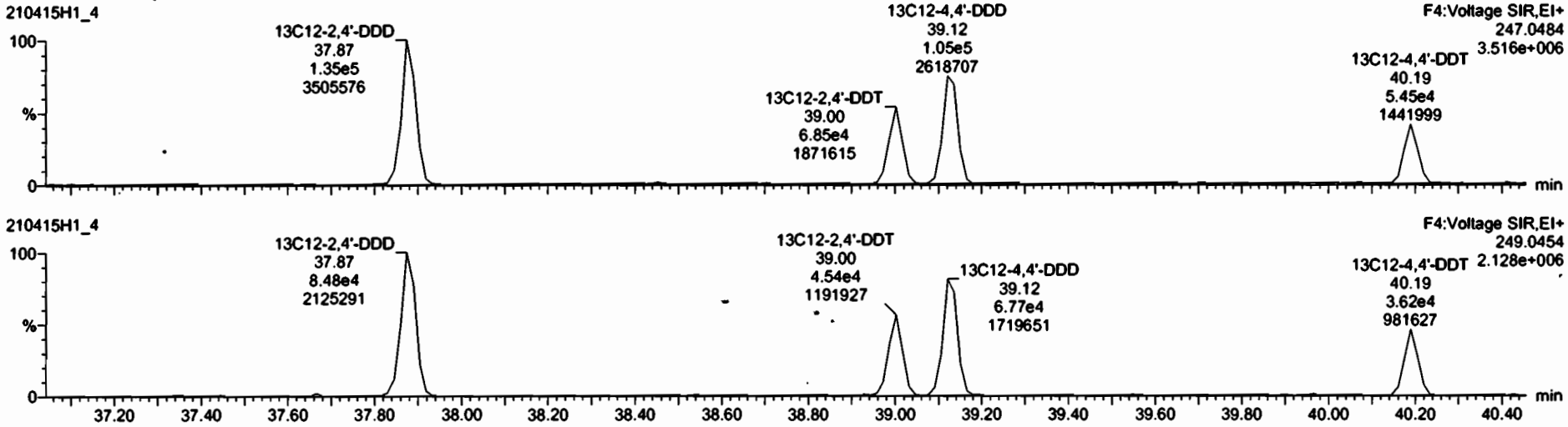
DDD-DDT



DDD-DDT-isotopes



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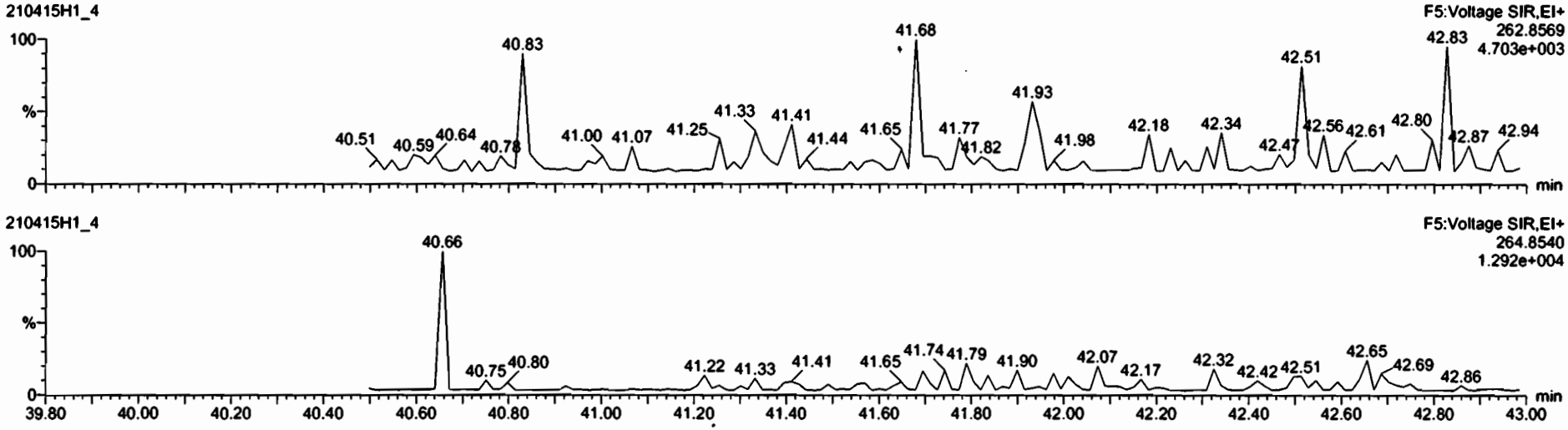
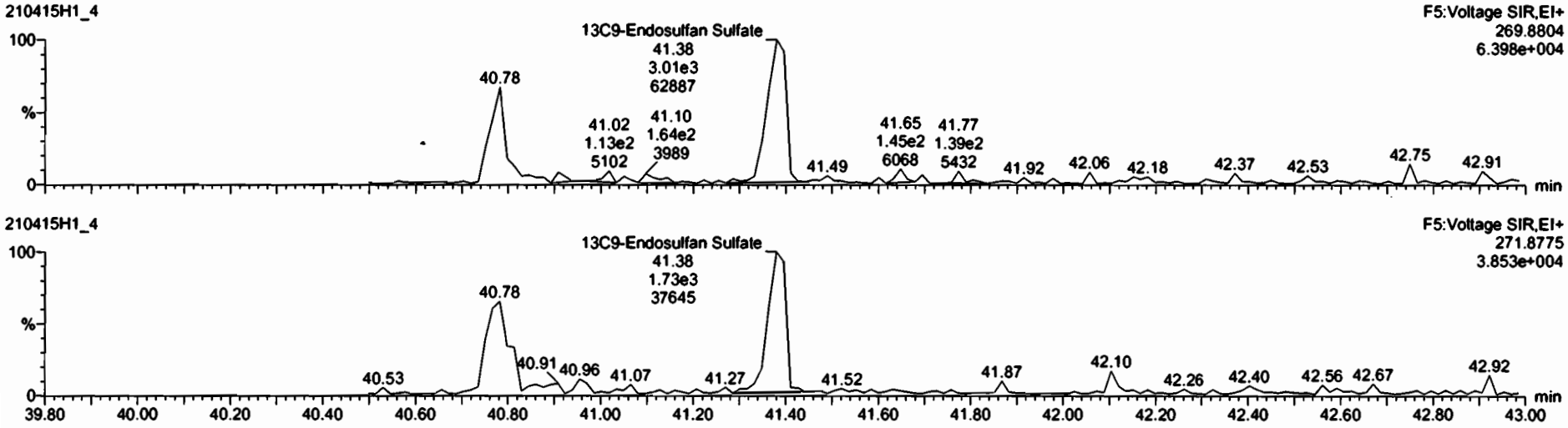
Endosulfan Sulfate



13C9-Endosulfan Sulfate



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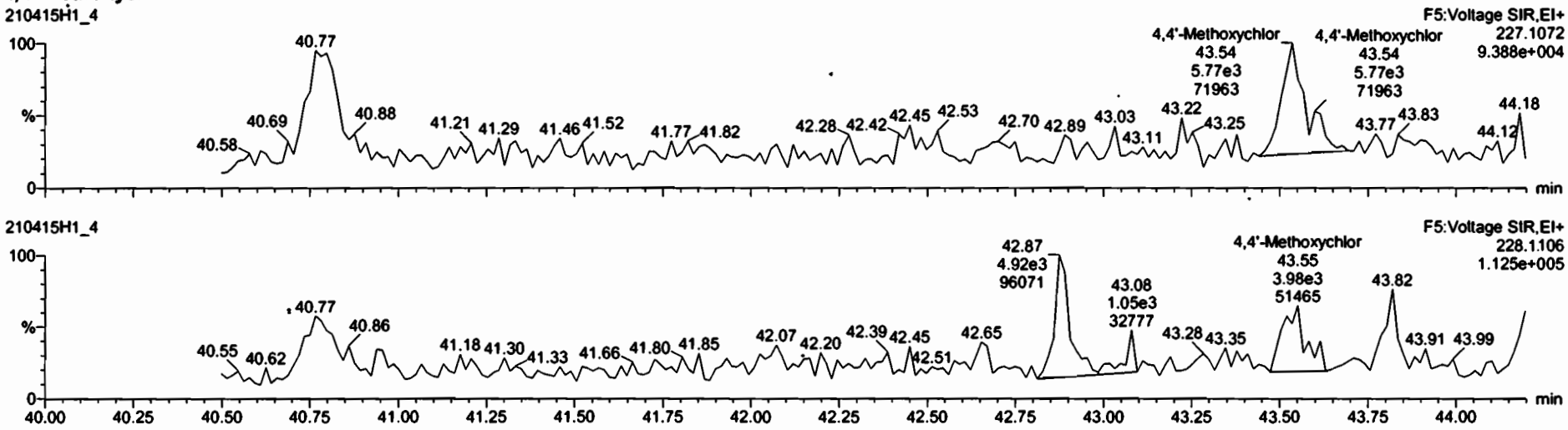
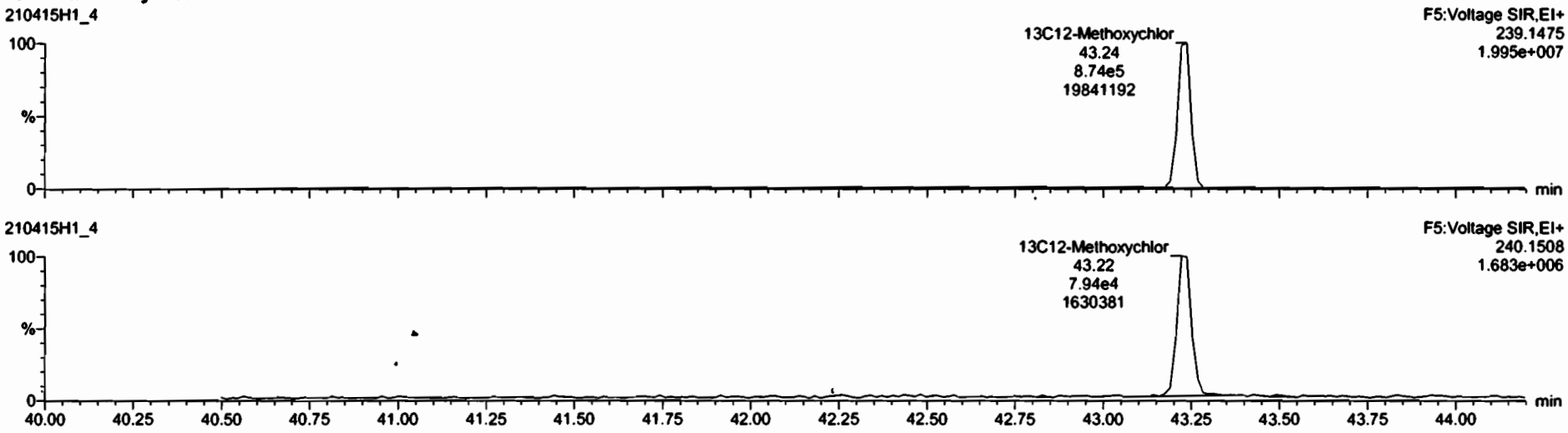
4,4'-Methoxychlor



13C12-Methoxychlor



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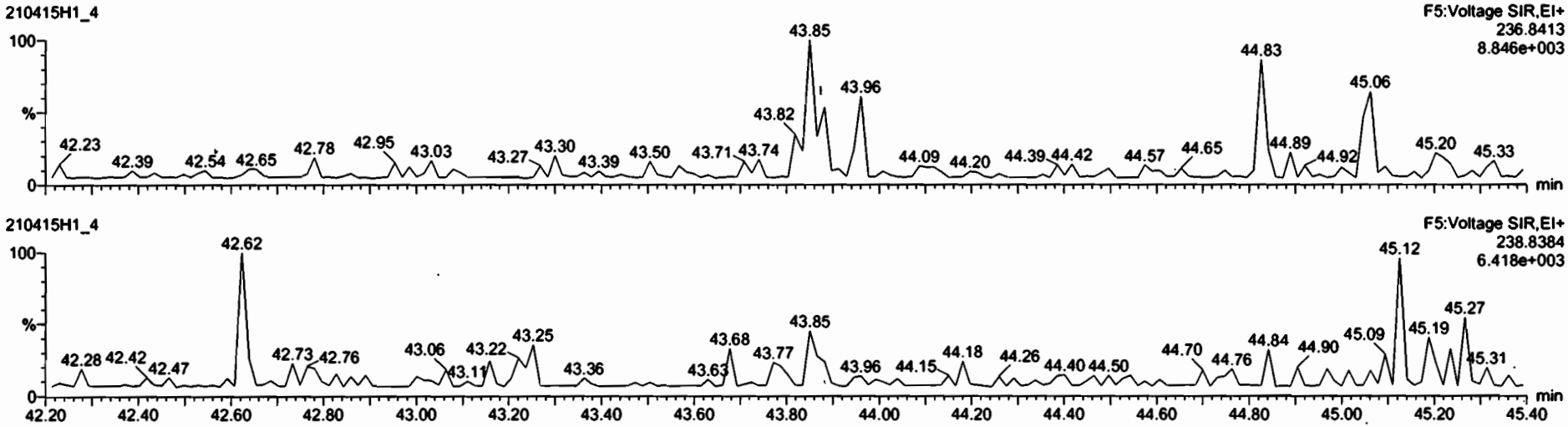
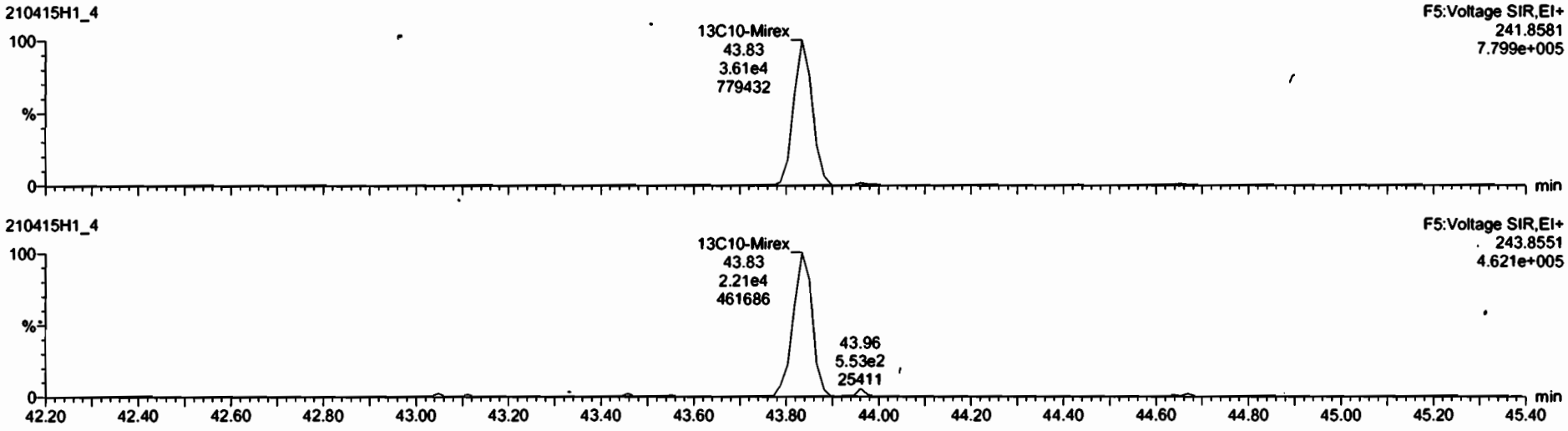
Name: 210415H1_4, Date: 15-Apr-2021, Time: 12:05:35, ID: 2103216-10RE1@5X USMPDI-1060RAB-00-10-210317 1.25, Description: USMPDI-1060RAB-00-10-210317

Mirex



13C10-Mirex



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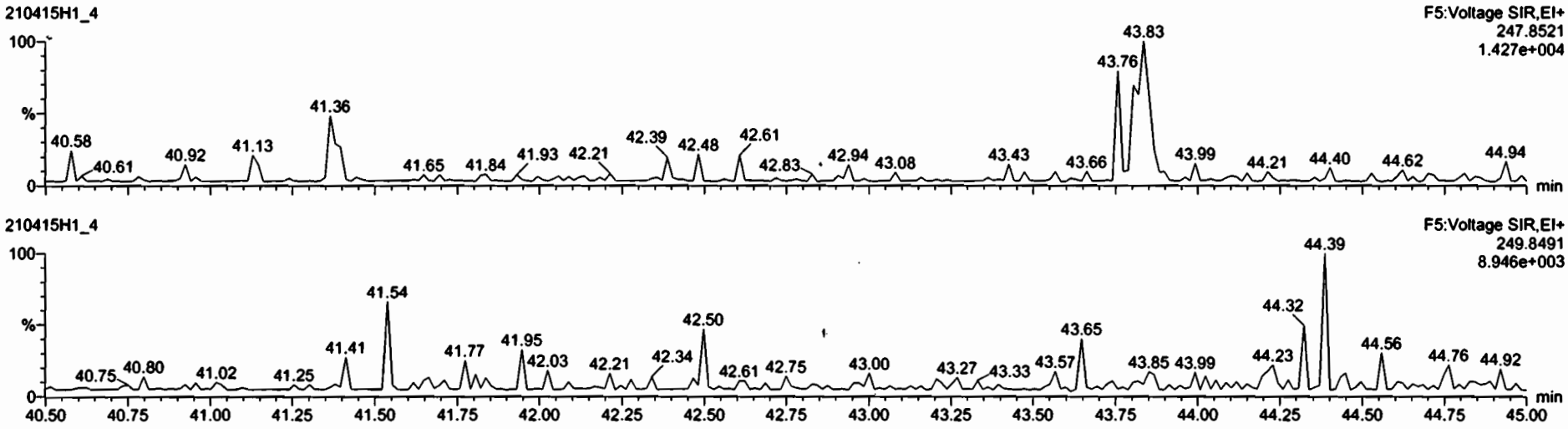
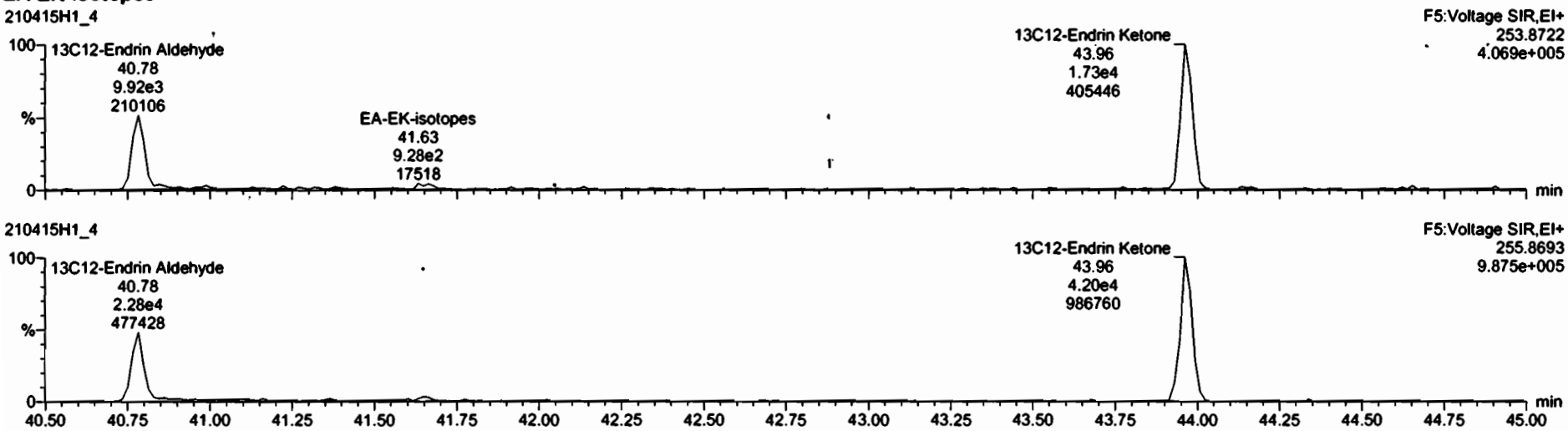
EA-EK



EA-EK-isotopes



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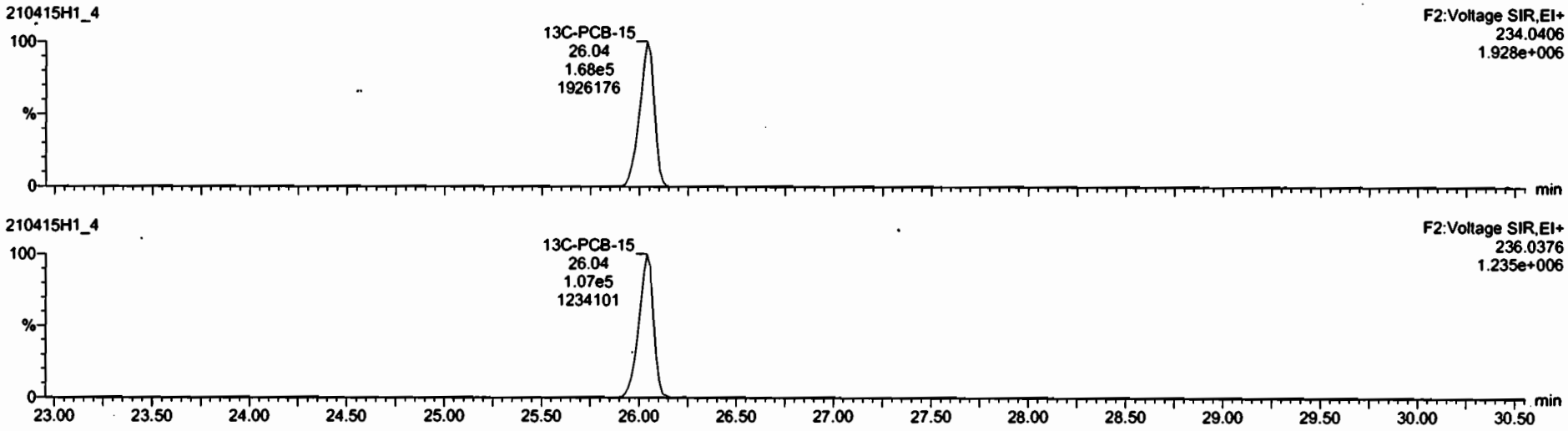
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_4, Date: 15-Apr-2021, Time: 12:05:35, ID: 2103216-10RE1@5X USMPDI-1060RAB-00-10-210317 1.25, Description: USMPDI-1060RAB-00-10-210317

13C-PCB-15



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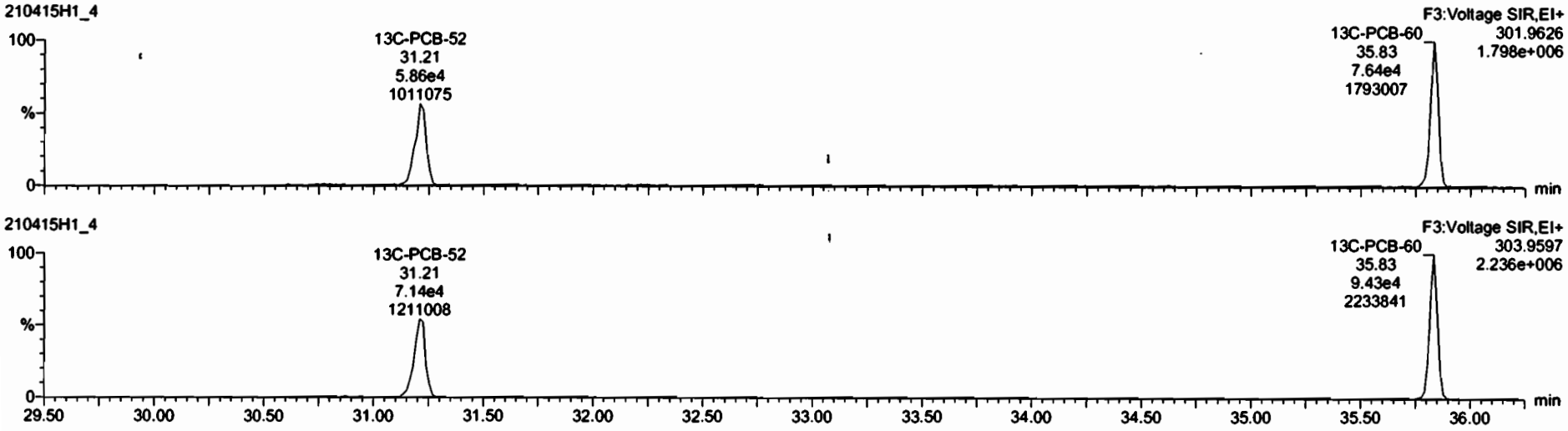

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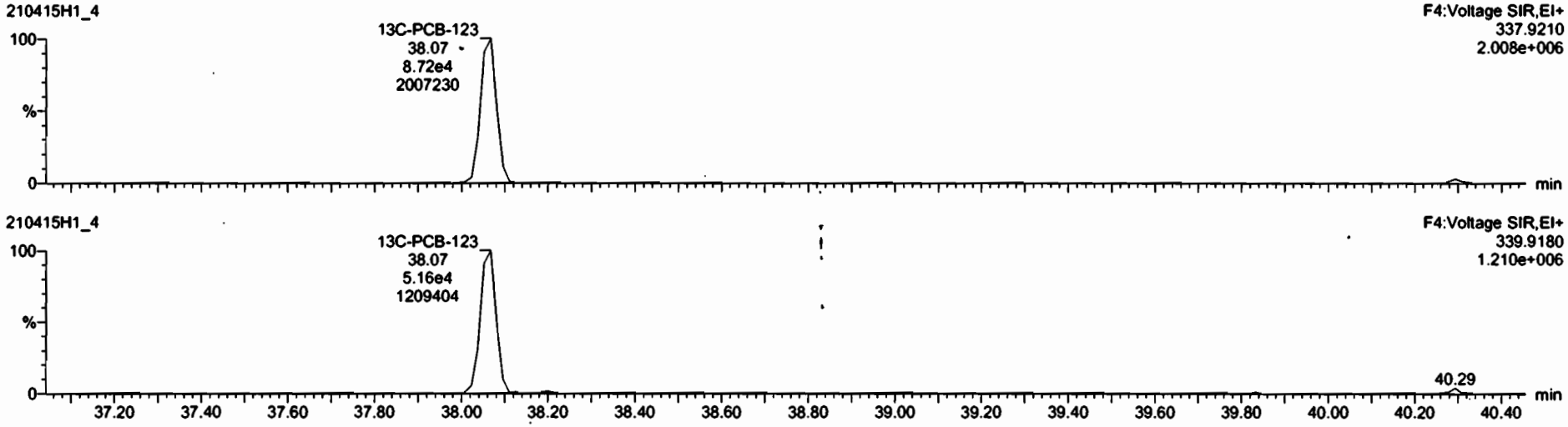
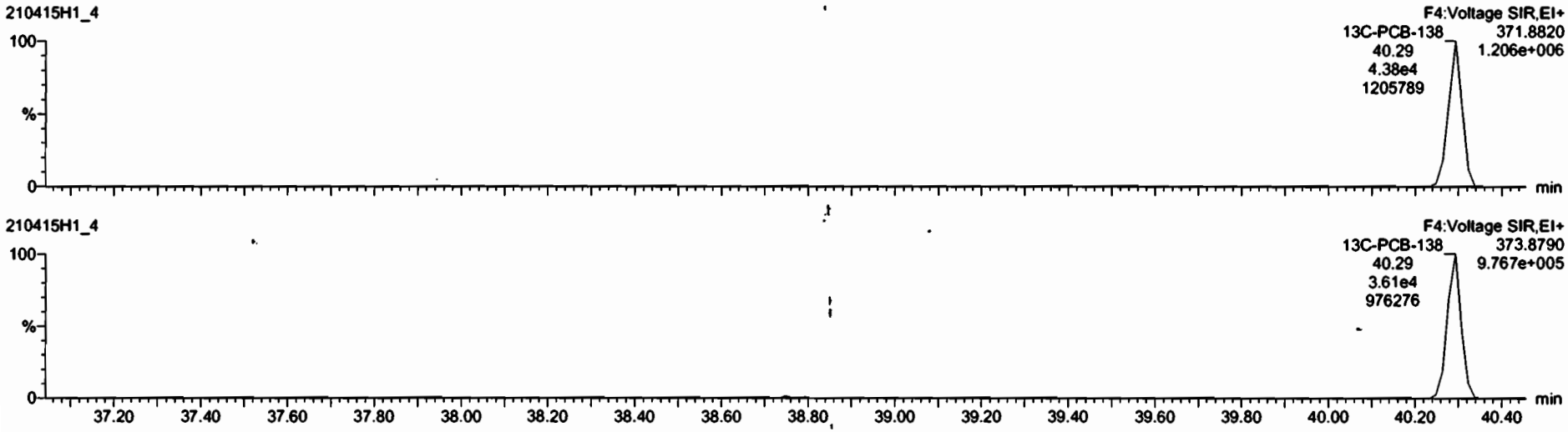
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_4, Date: 15-Apr-2021, Time: 12:05:35, ID: 2103216-10RE1@5X USMPDI-1060RAB-00-10-210317 1.25, Description: USMPDI-1060RAB-00-10-210317

13C-PCB-123



13C-PCB-138

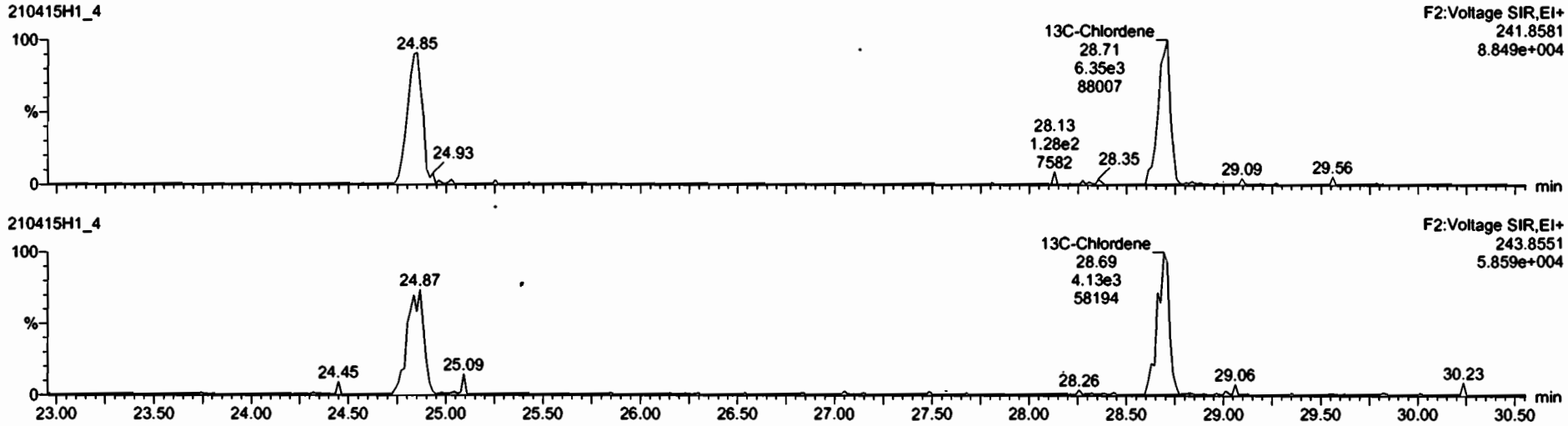


Dataset: Untitled

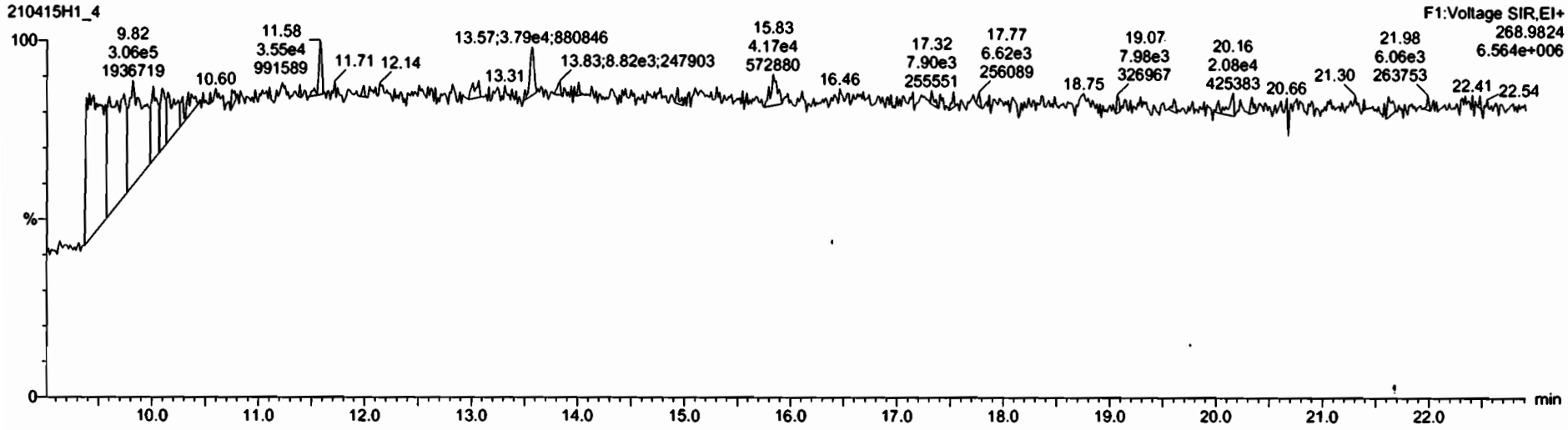
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_4, Date: 15-Apr-2021, Time: 12:05:35, ID: 2103216-10RE1@5X USMPDI-1060RAB-00-10-210317 1.25, Description: USMPDI-1060RAB-00-10-210317

13C-Chlordene



PFK1

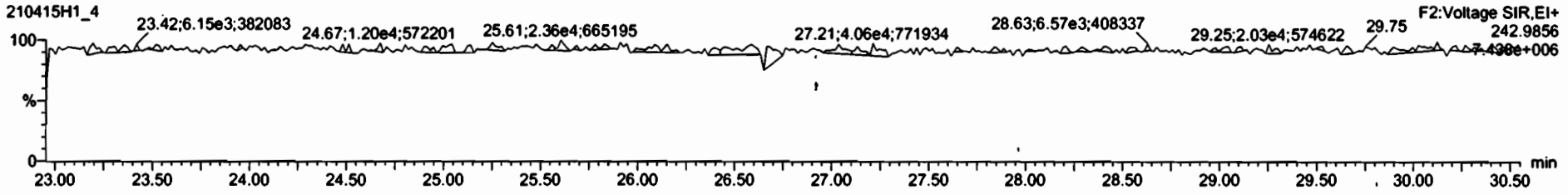


Dataset: Untitled

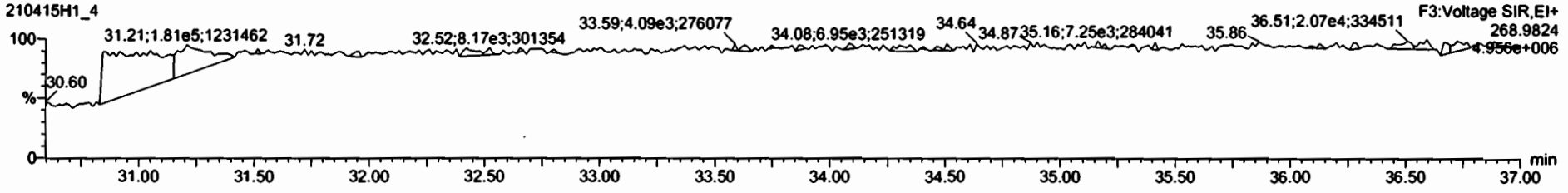
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_4, Date: 15-Apr-2021, Time: 12:05:35, ID: 2103216-10RE1@5X USMPDI-1060RAB-00-10-210317 1.25, Description: USMPDI-1060RAB-00-10-210317

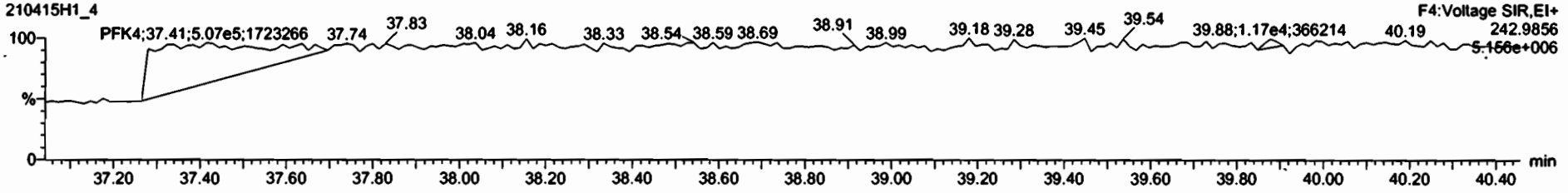
PFK2



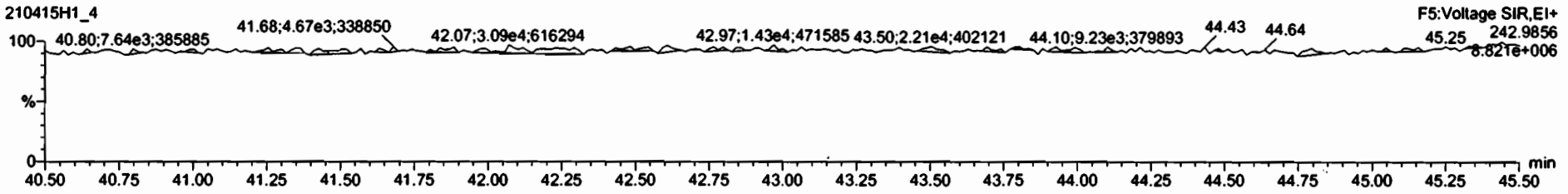
PFK3



PFK4



PFK5



Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_10.qld

Last Altered: Tuesday, May 04, 2021 11:43:51 Pacific Daylight Time
Printed: Tuesday, May 04, 2021 11:46:03 Pacific Daylight Time

DF 05/04/21
* E SEE DIL

Method: Untitled 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

CTS/04/2021

Name: 210415H1_10, Date: 15-Apr-2021, Time: 16:54:04, ID: 2103216-11RE1 USMPDI-064RAB-00-10-210310 1.28, Description: USMPDI-064RAB-00-10-210310, Task: ST210415H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Coric	%Rec	DL	EMPC
1	4	Lindane (gamma-...		8.49e4		NO	0.860	1.079			1.000	YES			11.0	
2	9	Aldrin		2.27e3		NO	1.09	1.079			1.001	YES			156	
3	10	Oxychlordane		7.76e3		NO	1.06	1.079			1.001	YES			60.7	
4	13	trans-Chlordane (g...	2.43e3	4.67e3	2.21	YES	1.14	1.079	35.12	1.001	1.001	NO	423.63		89.6	338
5	14	trans-Nonachlor	1.40e3	4.91e3	1.04	YES	1.06	1.079	35.29	1.001	1.000	NO	249.12		102	209
6	15	cis-Chlordane	2.74e3	4.91e3	1.34	NO	1.16	1.079	35.78	1.014	1.015	NO	445.27		93.1	445
7	18	2,4'-DDE	3.44e4	1.26e5	1.66	NO	1.02	1.079	35.76	1.000	1.000	NO	247.95		9.19	248
8	19	4,4'-DDE	2.10e5	8.00e4	1.58	NO	1.04	1.079	36.87	1.000	1.000	NO	2340.1		17.1	2340
9	20	Dieldrin	2.42e3	9.68e3	1.33	NO	1.03	1.079	37.34	1.000	1.001	NO	225.42		72.1	225
10	22	cis-Nonachlor		3.36e3		NO	1.00	1.079			1.000	YES			240	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_10.qld

Last Altered: Tuesday, May 04, 2021 11:43:51 Pacific Daylight Time
Printed: Tuesday, May 04, 2021 11:46:14 Pacific Daylight Time

Method: Untitled 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210415H1_10, Date: 15-Apr-2021, Time: 16:54:04, ID: 2103216-11RE1 USMPDI-064RAB-00-10-210310 1.28, Description: USMPDI-064RAB-00-10-210310, Task: ST210415H1_1

T	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred RRT	CheckRRT	Conc	%Rec	DL	EMPC
1	24	2,4'-DDD	2.10e5	8.28e4	1.62	NO	1.07	1.079	37.95	1.000	1.000	NO	2203.2		35.9	2200
2	25	2,4'-DDT	1.86e4	2.85e4	1.49	NO	1.05	1.079	39.06	1.000	1.000	NO	578.21		81.7	578
3	26	4,4'-DDD	5.36e5	4.60e4	1.56	NO	1.16	1.079	39.19	1.000	1.000	NO	9284.3 ng/L		51.4	9280
4	27	4,4'-DDT	7.17e4	1.83e4	1.54	NO	1.13	1.079	40.25	1.000	1.001	NO	3205.9		143	3210
5	36	13C6-Lindane (ga...	8.49e4	5.02e5	0.78	NO	0.194	1.079	26.65	1.019	1.019	NO	809.88	87.4	10.5	
6	40	13C12-Aldrin	2.27e3	5.02e5	1.71	NO	0.154	1.079	30.86	1.180	1.181	NO	27.215	2.94	11.2	
7	41	13C10-Oxychlorda...	7.76e3	5.02e5	1.59	NO	0.0404	1.079	33.41	1.278	1.280	NO	354.79	38.3	42.7	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_10.qld

Last Altered: Tuesday, May 04, 2021 11:43:51 Pacific Daylight Time
Printed: Tuesday, May 04, 2021 11:46:24 Pacific Daylight Time

Method: Untitled 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210415H1_10, Date: 15-Apr-2021, Time: 16:54:04, ID: 2103216-11RE1 USMPDI-064RAB-00-10-210310 1.28, Description: USMPDI-064RAB-00-10-210310, Task: ST210415H1_1

	#	Name	Resp	IS Area	RA	I/n/y	RRF	wt/vol	RT	RRT	Pred RRT	CheckRRT	Conc	%Rec		DL	EMPC
1	43	13C10-trans-Chlor...	4.67e3	5.02e5	1.54	NO	0.0358	1.079	35.09	1.342	1.344	NO	240.96	26.0		48.2	
2	44	13C10-trans-Nona...	4.91e3	7.98e4	1.53	NO	0.0638	1.079	35.26	0.982	0.983	NO	893.19	96.3		108	
3	46	13C12-2,4'-DDE	1.26e5	7.98e4	1.67	NO	1.43	1.079	35.75	0.996	0.995	NO	1016.2	110		17.9	
4	47	13C12-4,4'-DDE	8.00e4	7.98e4	1.93	NO	0.995	1.079	36.86	1.026	1.026	NO	934.02	101		25.8	
5	48	13C12-Dieldrin	9.68e3	7.98e4	1.76	NO	0.146	1.079	37.33	1.039	1.040	NO	768.31	82.9		55.0	
6	50	13C10-cis-Nonach...	3.36e3	7.98e4	1.37	NO	0.0791	1.079	38.99	1.086	1.087	NO	492.66	53.1		102	
7	52	13C12-2,4'-DDD	8.28e4	7.98e4	1.92	NO	1.35	1.079	37.93	1.056	1.057	NO	710.09	76.6	*	47.5	
8	53	13C12-2,4'-DDT	2.85e4	7.98e4	1.53	NO	0.962	1.079	39.05	1.087	1.089	NO	344.33	37.1		66.8	
9	54	13C12-4,4'-DDD	4.60e4	7.98e4	1.61	NO	1.12	1.079	39.18	1.091	1.092	NO	475.32	51.3	*	57.1	
10	55	13C12-4,4'-DDT	1.83e4	7.98e4	1.82	NO	0.735	1.079	40.23	1.120	1.122	NO	289.04	31.2		87.4	
11	62	13C-PCB-15	5.02e5	5.02e5	1.61	NO	1.00	1.079	26.15	1.000	1.000	NO	927.13	100		2.67	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_10.qld

Last Altered: Tuesday, May 04, 2021 11:43:51 Pacific Daylight Time
Printed: Tuesday, May 04, 2021 11:46:31 Pacific Daylight Time

Method: Untitled 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210415H1_10, Date: 15-Apr-2021, Time: 16:54:04, ID: 2103216-11RE1 USMPDI-064RAB-00-10-210310 1.28, Description: USMPDI-064RAB-00-10-210310, Task: ST210415H1_1

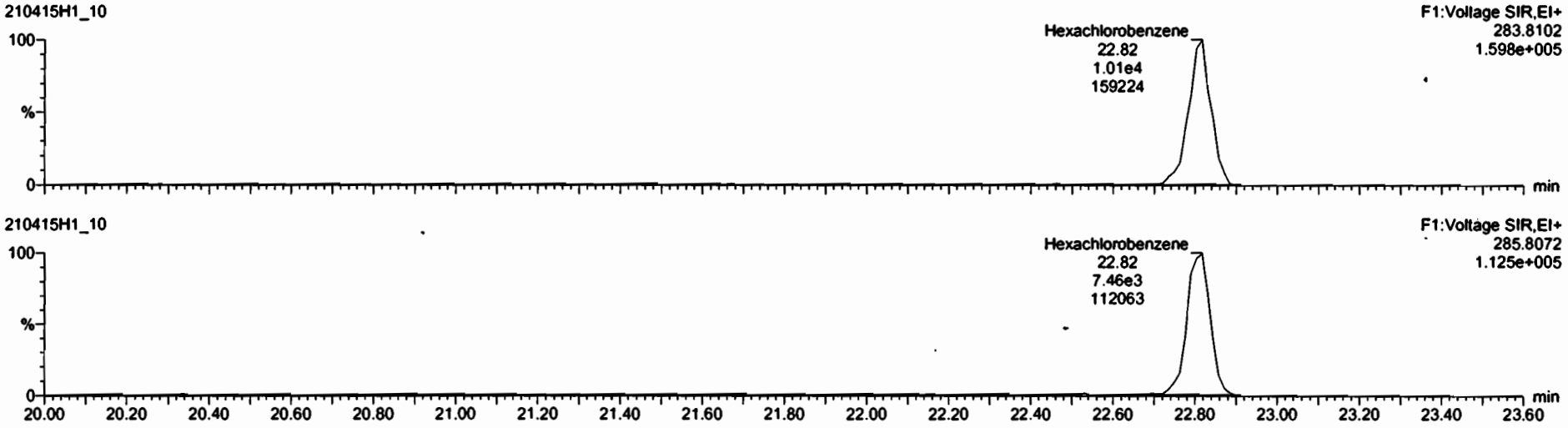
	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	63	13C-PCB-60	7.98e4	7.98e4	0.79	NO	1.00	1.079	35.91	1.000	1.000	NO	927.13	100	11.2	

Dataset: Untitled

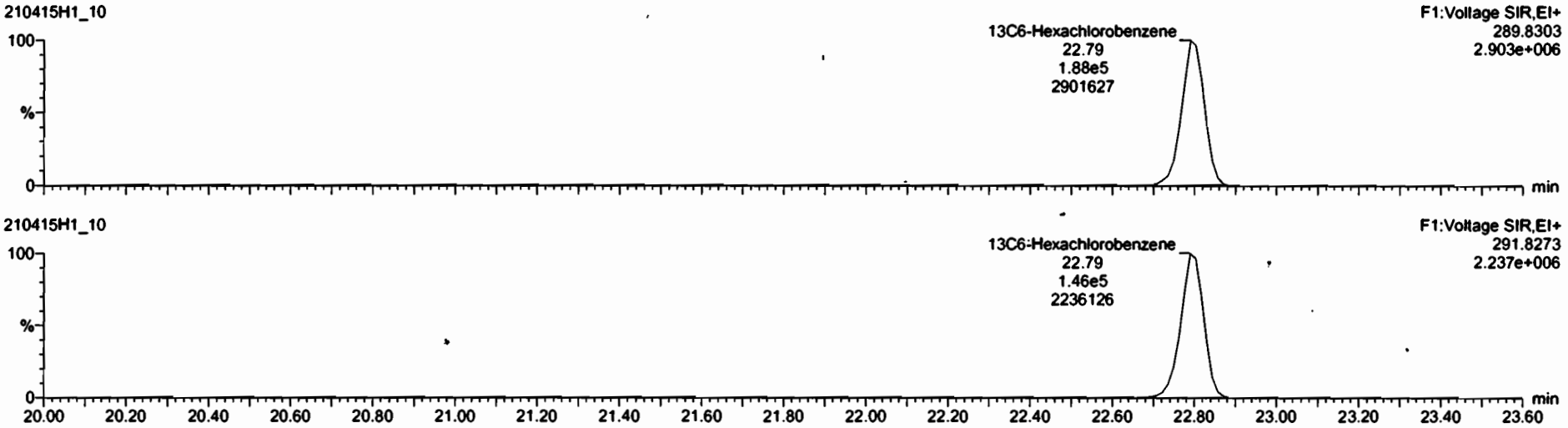
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_10, Date: 15-Apr-2021, Time: 16:54:04, ID: 2103216-11RE1 USMPDI-064RAB-00-10-210310 1.28, Description: USMPDI-064RAB-00-10-210310

Hexachlorobenzene



13C6-Hexachlorobenzene



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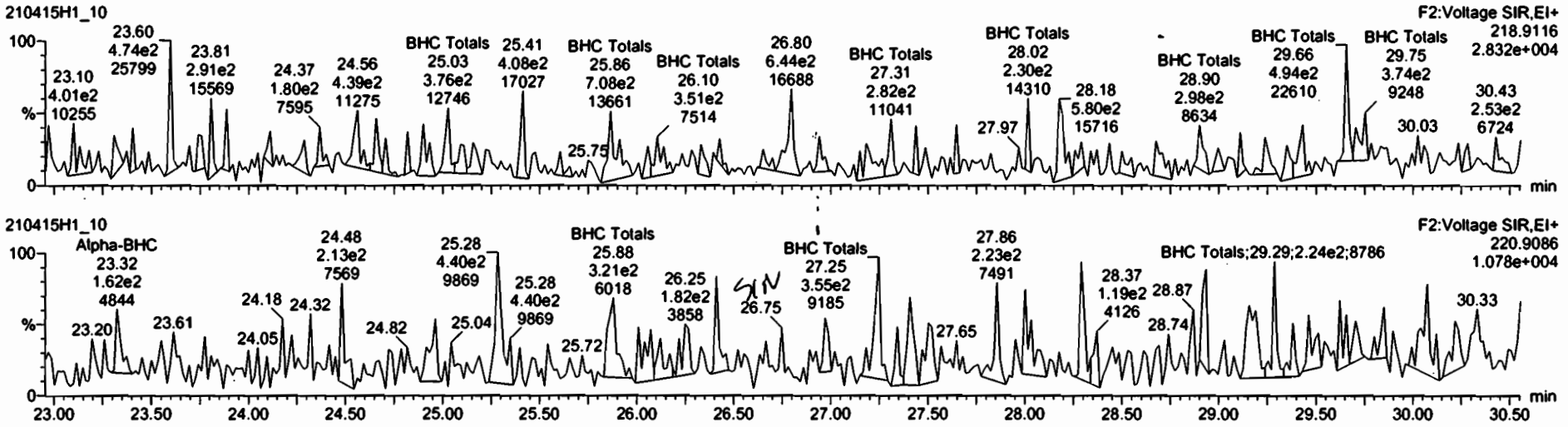
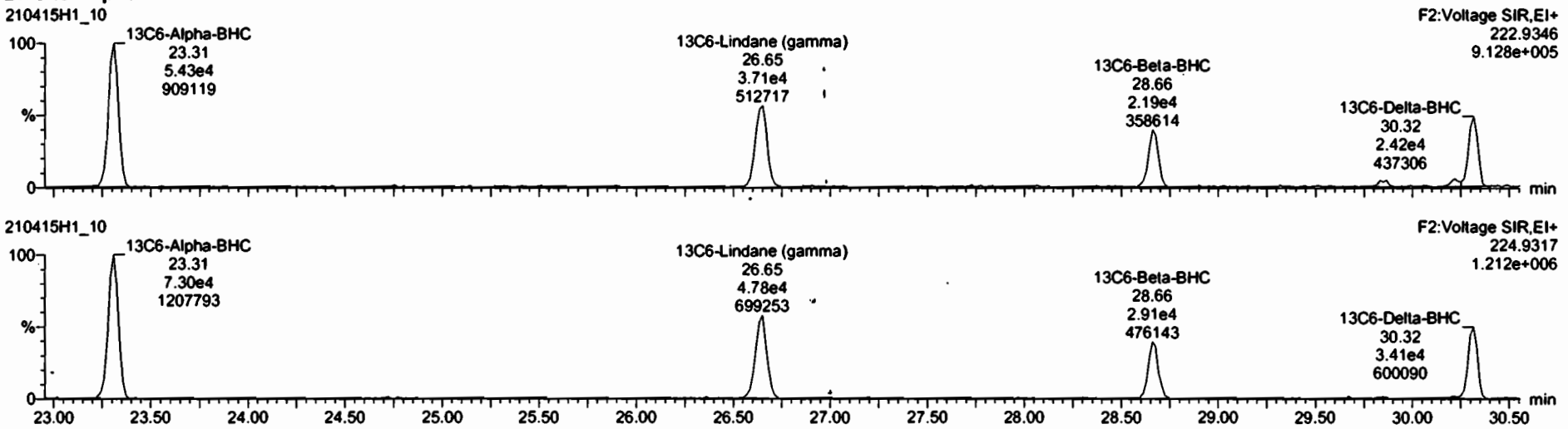
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_10, Date: 15-Apr-2021, Time: 16:54:04, ID: 2103216-11RE1 USMPDI-064RAB-00-10-210310 1.28, Description: USMPDI-064RAB-00-10-210310

BHC Totals



BHC-isotopes

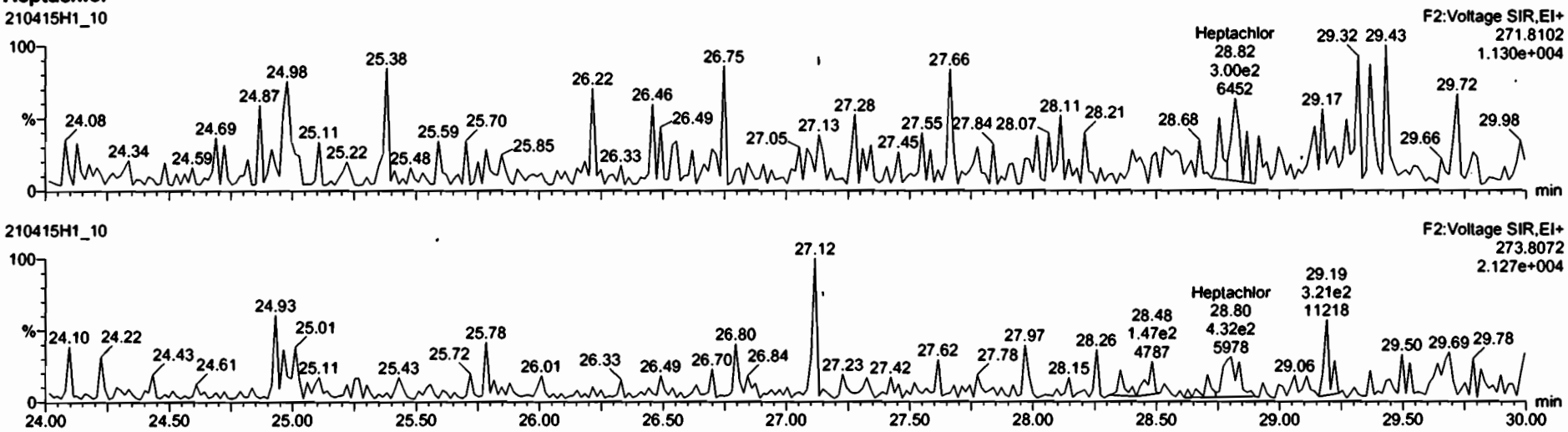


Dataset: Untitled

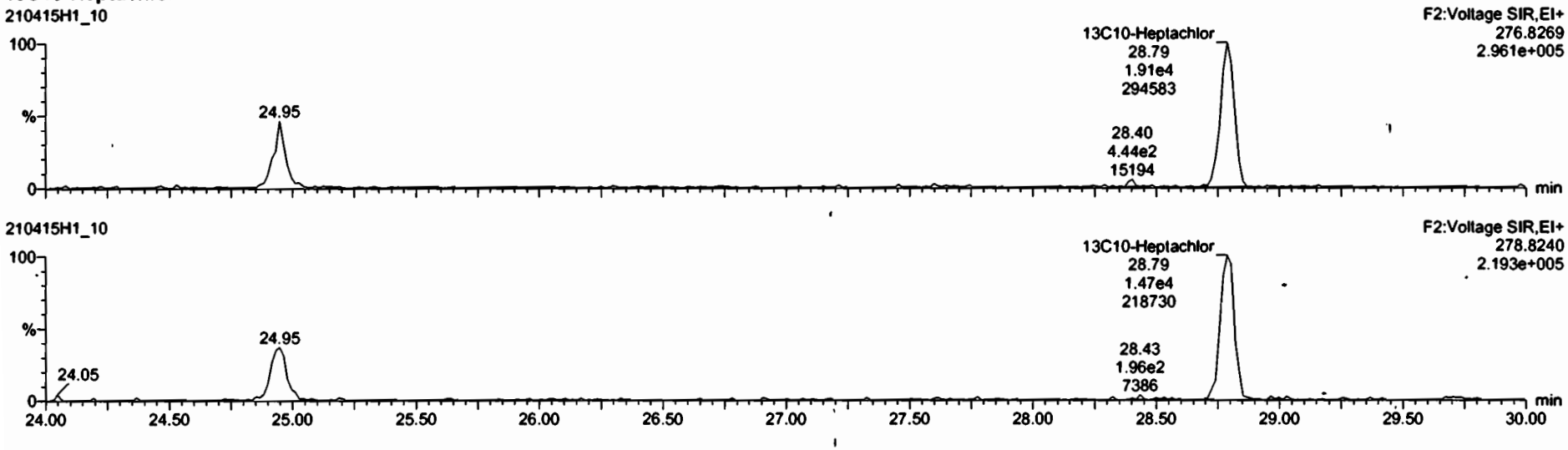
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_10, Date: 15-Apr-2021, Time: 16:54:04, ID: 2103216-11RE1 USMPDI-064RAB-00-10-210310 1.28, Description: USMPDI-064RAB-00-10-210310

Heptachlor



13C10-Heptachlor



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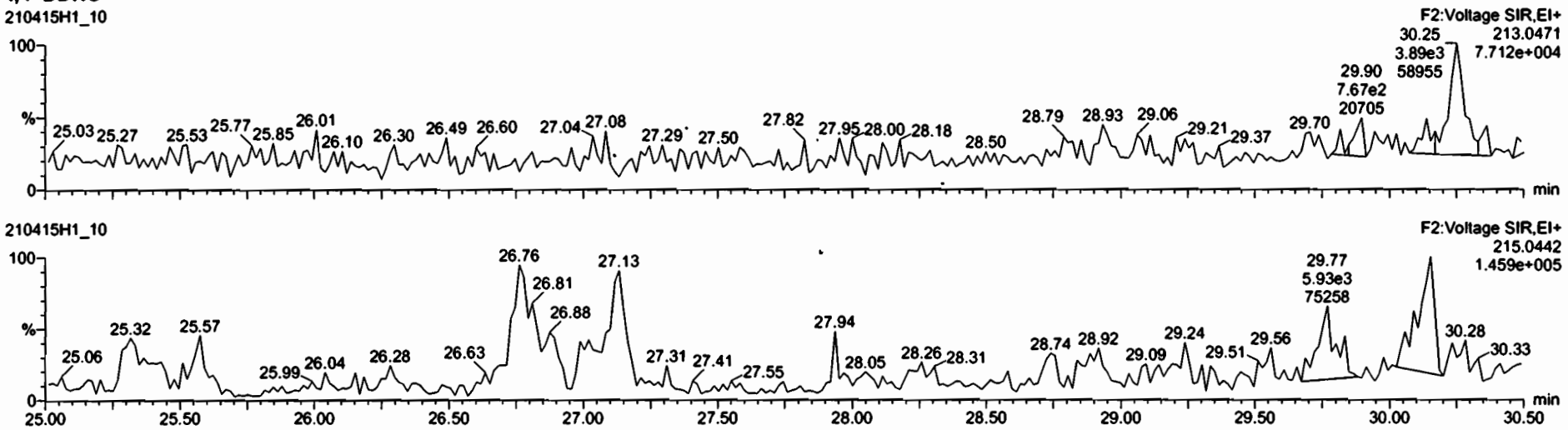
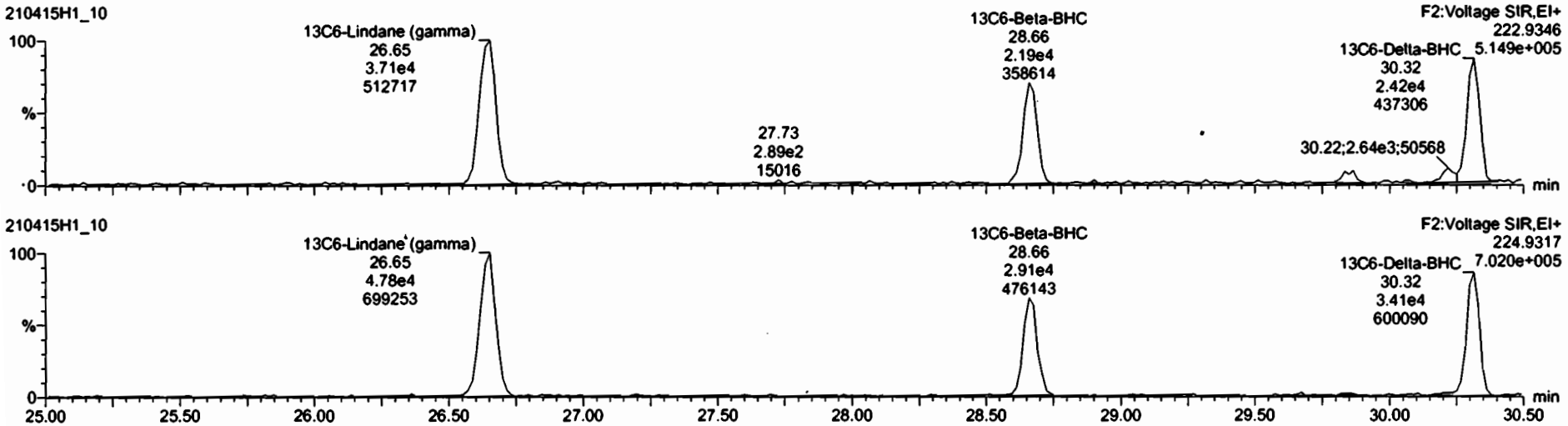
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_10, Date: 15-Apr-2021, Time: 16:54:04, ID: 2103216-11RE1 USMPDI-064RAB-00-10-210310 1.28, Description: USMPDI-064RAB-00-10-210310

4,4'-DDNU



13C6-Delta-BHC

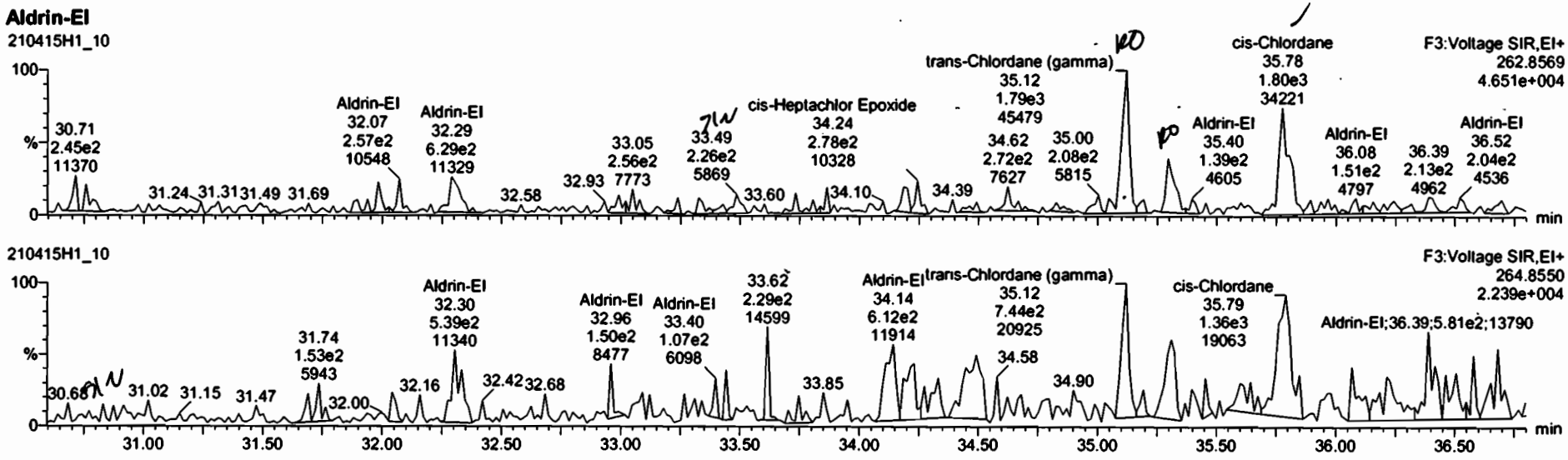


Dataset: Untitled

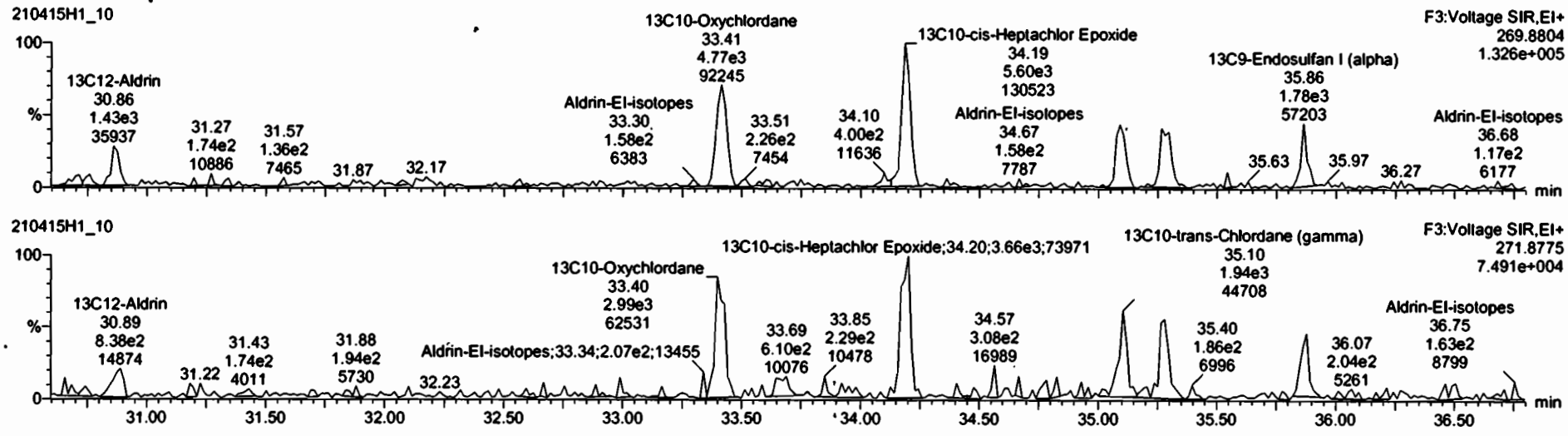
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

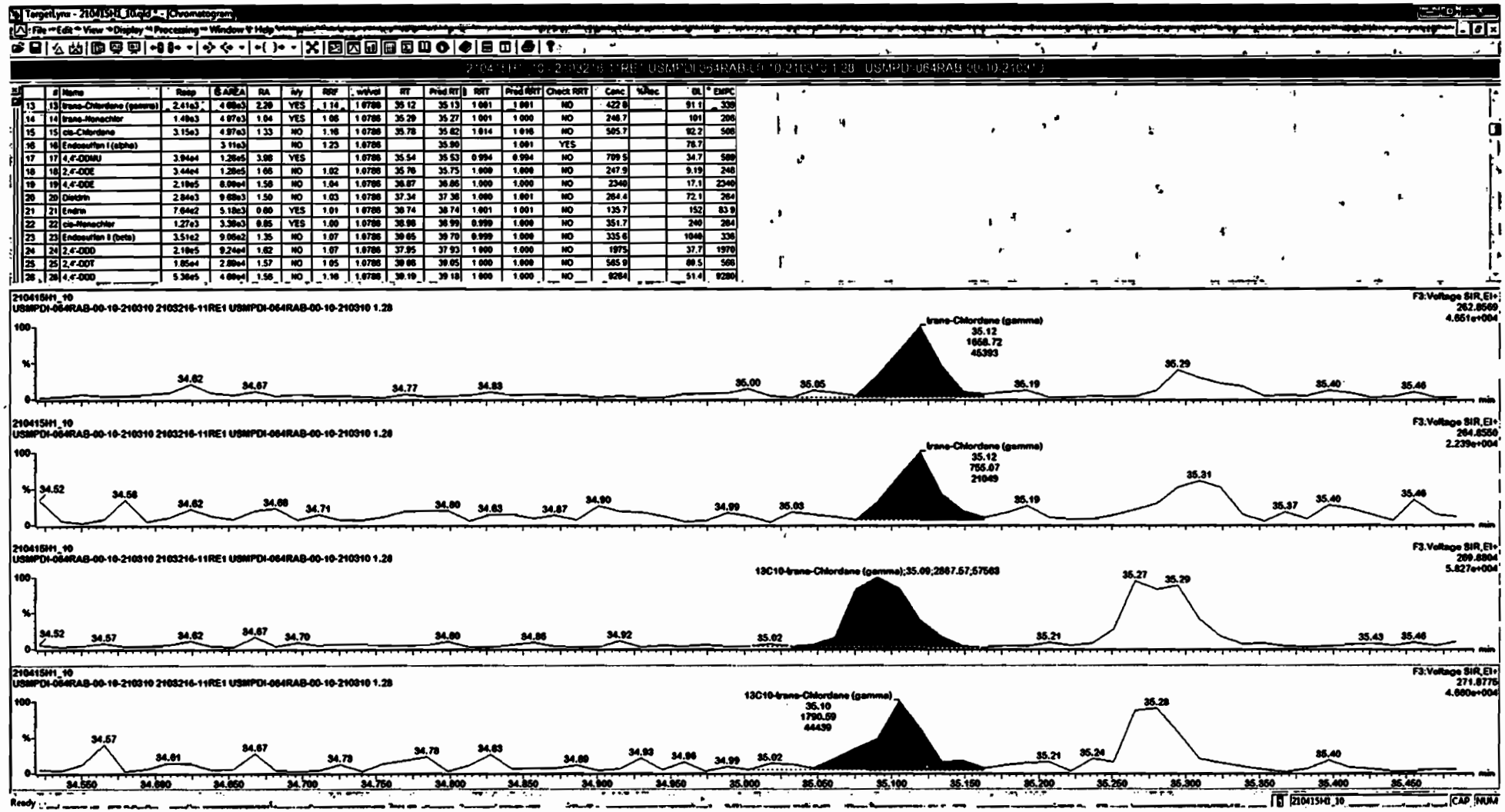
Name: 210415H1_10, Date: 15-Apr-2021, Time: 16:54:04, ID: 2103216-11RE1 USMPDI-064RAB-00-10-210310 1.28, Description: USMPDI-064RAB-00-10-210310

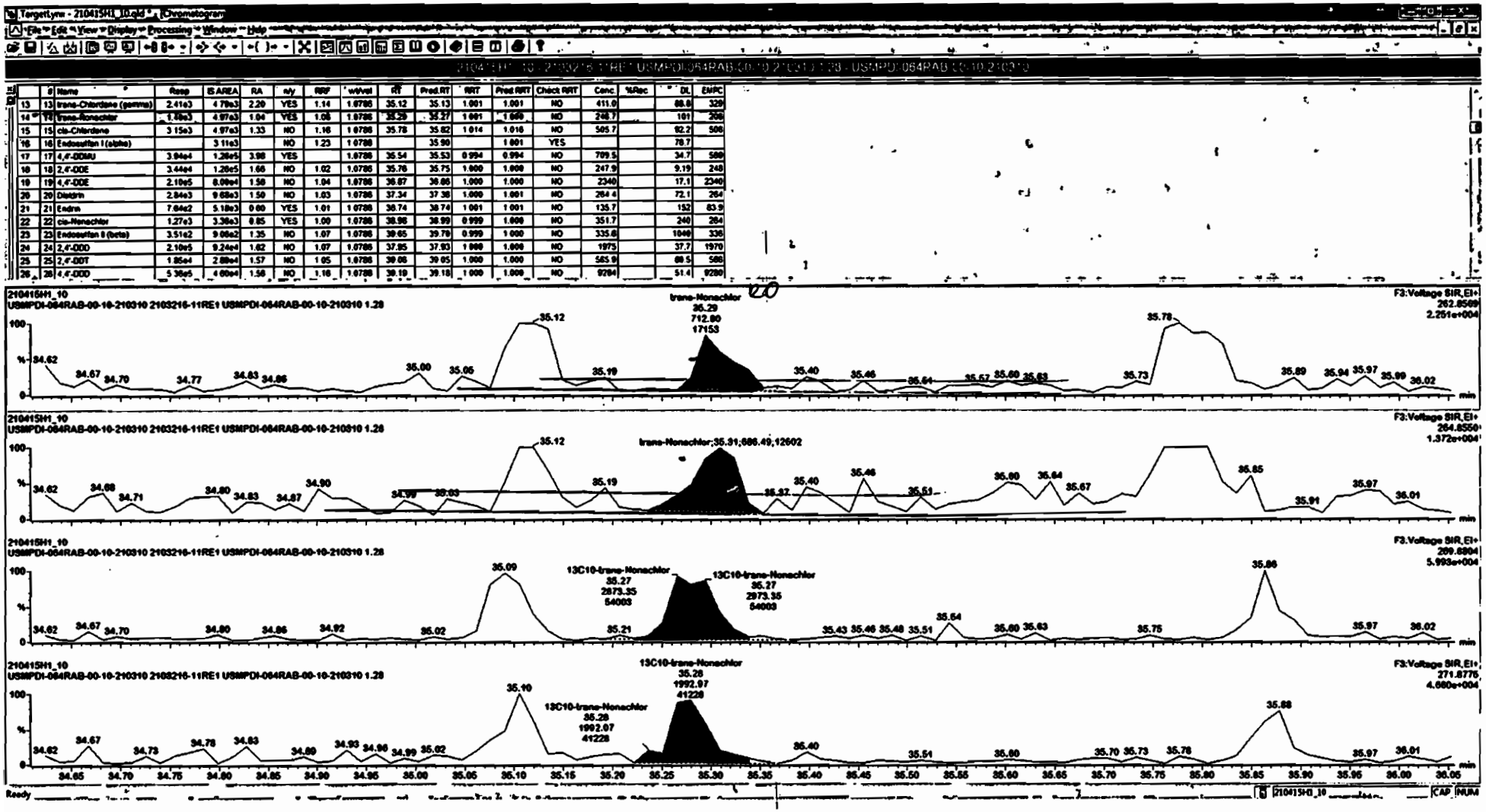
Aldrin-EI



Aldrin-EI-isotopes




TargetLynx - 210415H1_10.qld * - Chromatogram
File Edit View Display Processing Window Help
trans-Chlordane (gamma)
35.12
1668.72
45393
13C10-trans-Chlordane (gamma);35.09;2867.57;57563
13C10-trans-Chlordane (gamma)
35.10
1790.59
44439



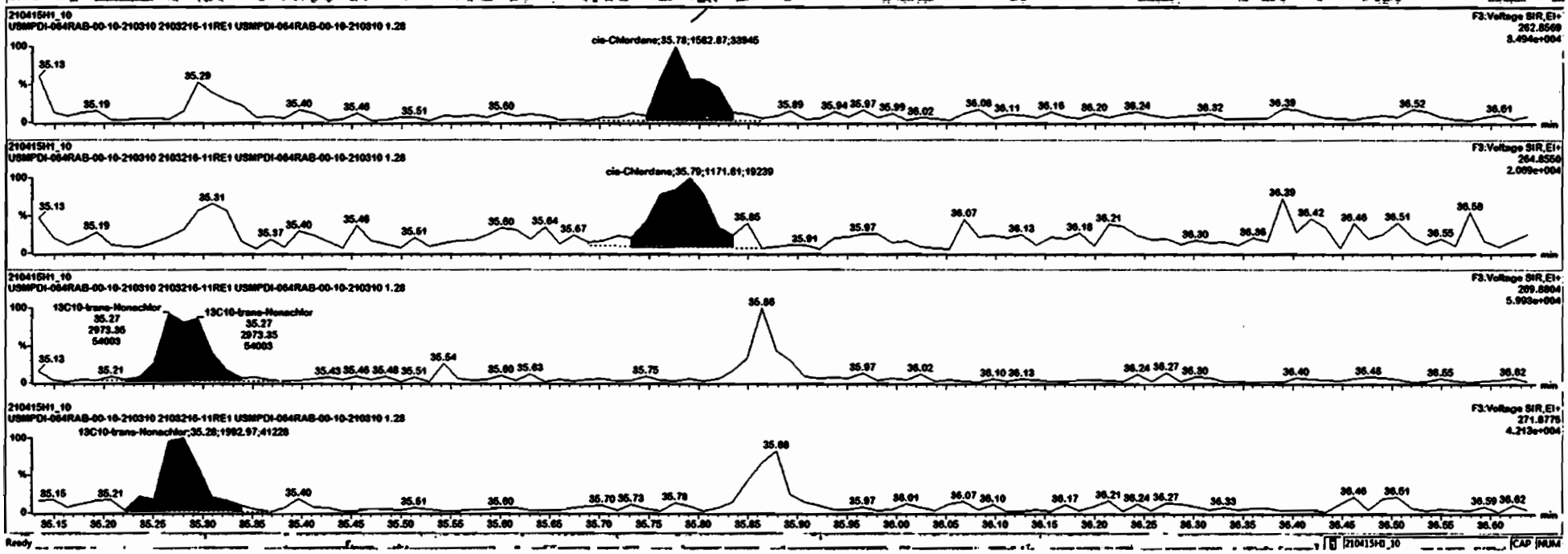
	#	Name	Resp	IS AREA	RA	rly	RRF	wtVal	RT	Prod RT	RRT	Prod RRT	Check RRT	Conc	%Rec	DL	EMPC
13	13	trans-Chlordane (gamma)	2.41e3	4.79e3	2.20	YES	1.14	1.0786	35.12	35.13	1.001	1.001	NO	411.0		88.8	329
14	14	trans-Nonachlor	1.49e3	4.97e3	1.04	YES	1.08	1.0786	35.29	35.27	1.001	1.000	NO	248.7		101	206
15	15	cis-Chlordane	3.15e3	4.97e3	1.33	NO	1.16	1.0786	35.78	35.82	1.014	1.016	NO	565.7		92.2	508
16	16	Endosulfan I (alpha)		3.11e3		NO	1.23	1.0786		35.90		1.001	YES			78.7	
17	17	4,4'-DDMU	3.94e4	1.26e5	3.98	YES		1.0786	35.54	35.53	0.994	0.994	NO	709.5		34.7	589
18	18	2,4'-DDE	3.44e4	1.26e5	1.66	NO	1.02	1.0786	35.76	35.75	1.000	1.000	NO	247.9		9.19	248
19	19	4,4'-DDE	2.19e5	8.09e4	1.58	NO	1.04	1.0786	36.87	36.86	1.000	1.000	NO	2340		17.1	2340
20	20	Dieldrin	2.84e3	9.68e3	1.50	NO	1.03	1.0786	37.34	37.36	1.000	1.001	NO	264.4		72.1	264
21	21	Endrin	7.84e2	5.18e3	0.00	YES	1.01	1.0786	38.74	38.74	1.001	1.001	NO	135.7		152	83.9
22	22	cis-Nonachlor	1.27e3	3.36e3	0.85	YES	1.00	1.0786	38.98	38.99	0.999	1.000	NO	351.7		240	264
23	23	Endosulfan II (beta)	3.51e2	9.06e2	1.35	NO	1.07	1.0786	39.65	39.79	0.999	1.000	NO	335.6		1046	336
24	24	2,4'-DDD	2.10e5	9.24e4	1.62	NO	1.07	1.0786	37.85	37.93	1.000	1.000	NO	1975		37.7	1970
25	25	2,4'-DDT	1.85e4	2.88e4	1.57	NO	1.05	1.0786	39.06	39.05	1.000	1.000	NO	565.9		69.5	566
26	26	4,4'-DDD	5.36e5	4.60e4	1.58	NO	1.16	1.0786	39.19	39.18	1.000	1.000	NO	9294		51.4	9280

TargetLynx - 210415H1_10.qld - Chromatogram

File Edit View Display Processing Window Help

210415H1_10 - 2103216-11RE1 USMPDI-064RAB-00-10-210310 1.28 - USMPDI-064RAB-00-10-210310

	#	Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred.RT	RRT	Pred.RRT	Check RRT	Conc.	%Rec	DL	EMPC
12	12	trans-Heptachlor Epoxide		9.28e3		NO	0.29	1.0786		34.73		1.016	YES			154	
13	13	trans-Chlordane (gamma)	2.41e3	4.66e3	2.20	YES	1.14	1.0786	35.12	35.13	1.001	1.001	NO	422.8		91.1	339
14	14	trans-Nonachlor	1.40e3	4.97e3	1.04	YES	1.06	1.0786	35.29	35.27	1.001	1.000	NO	246.7		101	206
15	15	cis-Chlordane	2.75e3	4.97e3	1.35	NO	1.16	1.0786	35.78	35.80	1.014	1.015	NO	441.6		92.2	442
16	16	Endosulfan I (alpha)		3.11e3		NO	1.23	1.0786		35.90		1.001	YES			78.7	
17	17	4,4'-DDMU	3.94e4	1.28e5	3.98	YES		1.0786	35.54	35.53	0.994	0.994	NO	799.5		34.7	589
18	18	2,4'-DDE	3.44e4	1.28e5	1.66	NO	1.02	1.0786	35.76	35.75	1.000	1.000	NO	247.9		9.19	248
19	19	4,4'-DDE	2.10e5	8.00e4	1.58	NO	1.04	1.0786	36.87	36.86	1.000	1.000	NO	2340		17.1	2340
20	20	Dieldrin	2.64e3	9.68e3	1.50	NO	1.03	1.0786	37.34	37.36	1.000	1.001	NO	264.4		72.1	264
21	21	Endrin	7.64e2	5.18e3	0.60	YES	1.01	1.0786	38.74	38.74	1.001	1.001	NO	135.7		152	83.9
22	22	cis-Nonachlor	1.27e3	3.36e3	0.85	YES	1.00	1.0786	38.98	38.99	0.999	1.000	NO	351.7		240	264
23	23	Endosulfan II (beta)	3.51e2	9.66e2	1.35	NO	1.07	1.0786	39.65	39.70	0.999	1.000	NO	335.6		1040	336
24	24	2,4'-DDD	2.10e5	9.24e4	1.62	NO	1.07	1.0786	37.95	37.93	1.000	1.000	NO	1975		37.7	1970
25	25	2,4'-DDT	1.85e4	2.89e4	1.57	NO	1.05	1.0786	39.08	39.05	1.000	1.000	NO	565.9		89.5	566



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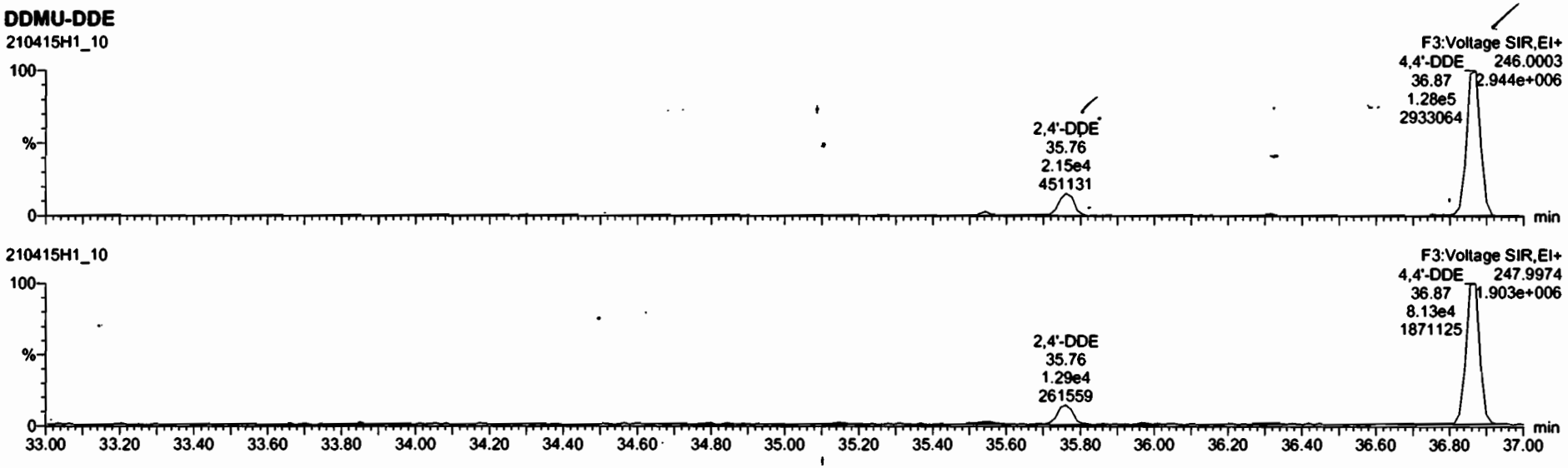
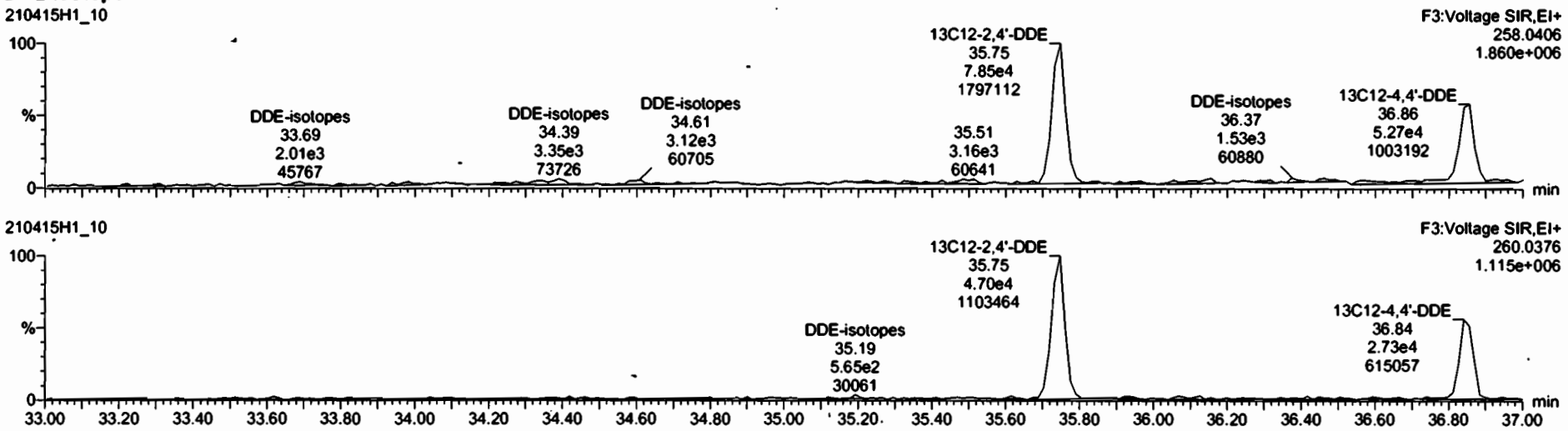
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_10, Date: 15-Apr-2021, Time: 16:54:04, ID: 2103216-11RE1 USMPDI-064RAB-00-10-210310 1.28, Description: USMPDI-064RAB-00-10-210310

DDMU-DDE



DDE-isotopes



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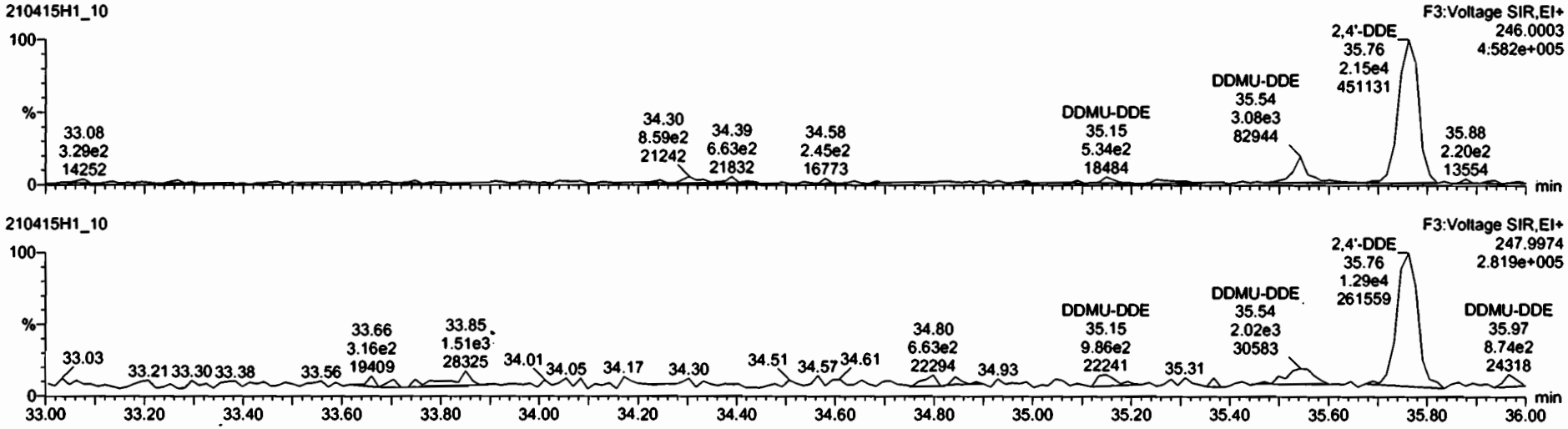
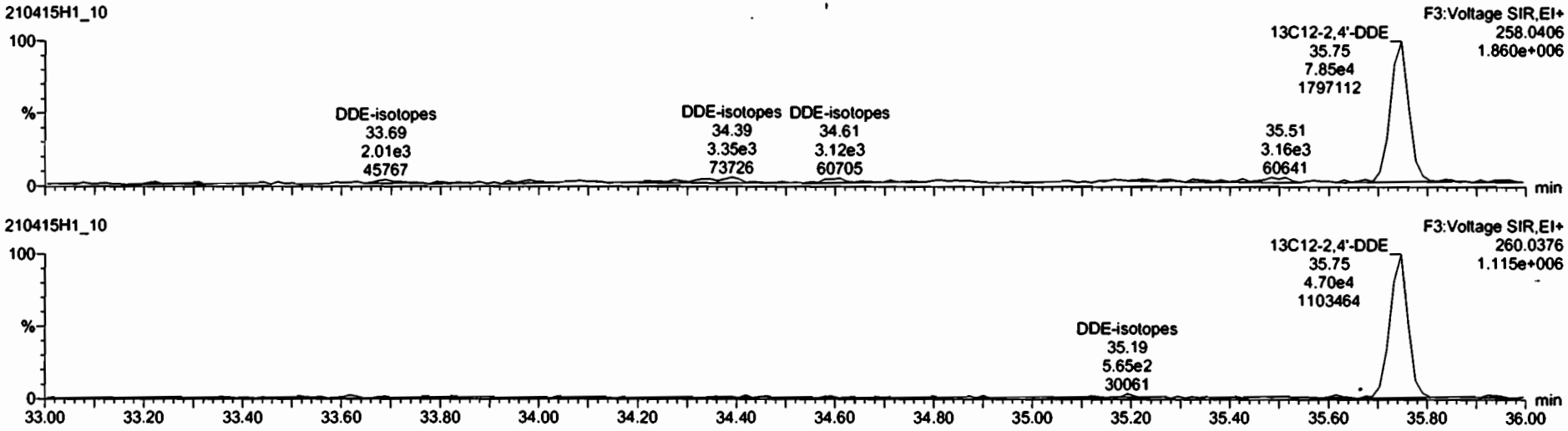
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_10, Date: 15-Apr-2021, Time: 16:54:04, ID: 2103216-11RE1 USMPDI-064RAB-00-10-210310 1.28, Description: USMPDI-064RAB-00-10-210310

2,4'-DDE



13C12-2,4'-DDE



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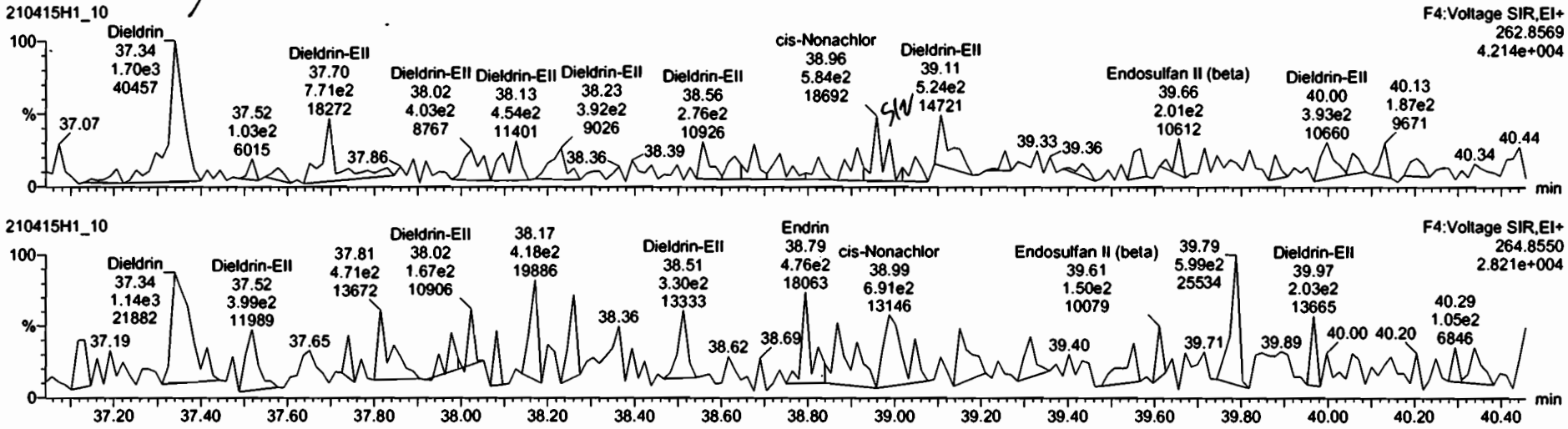
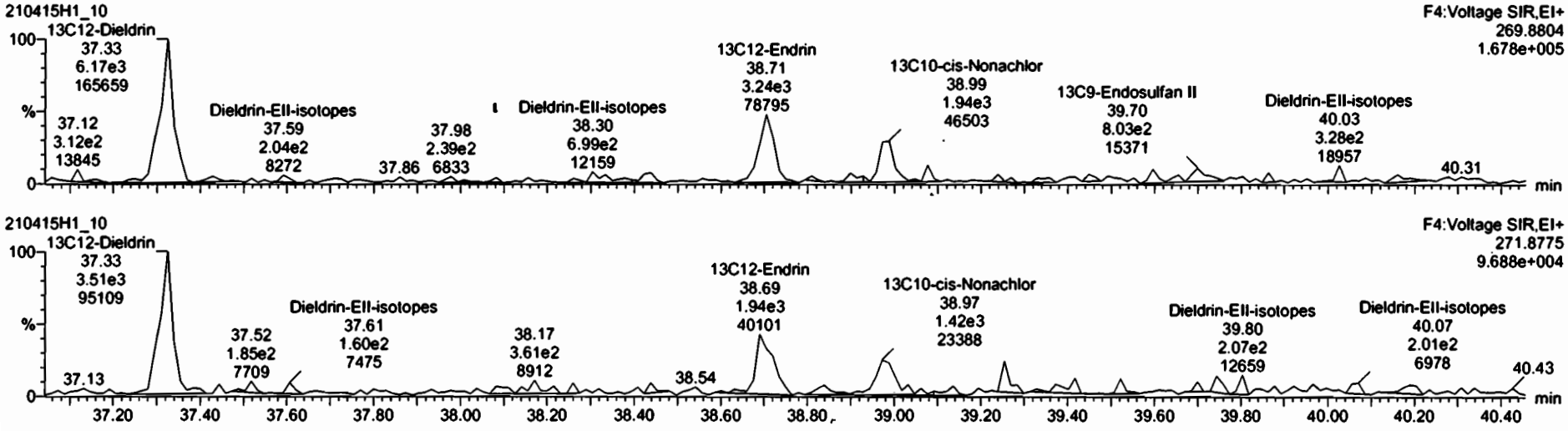
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

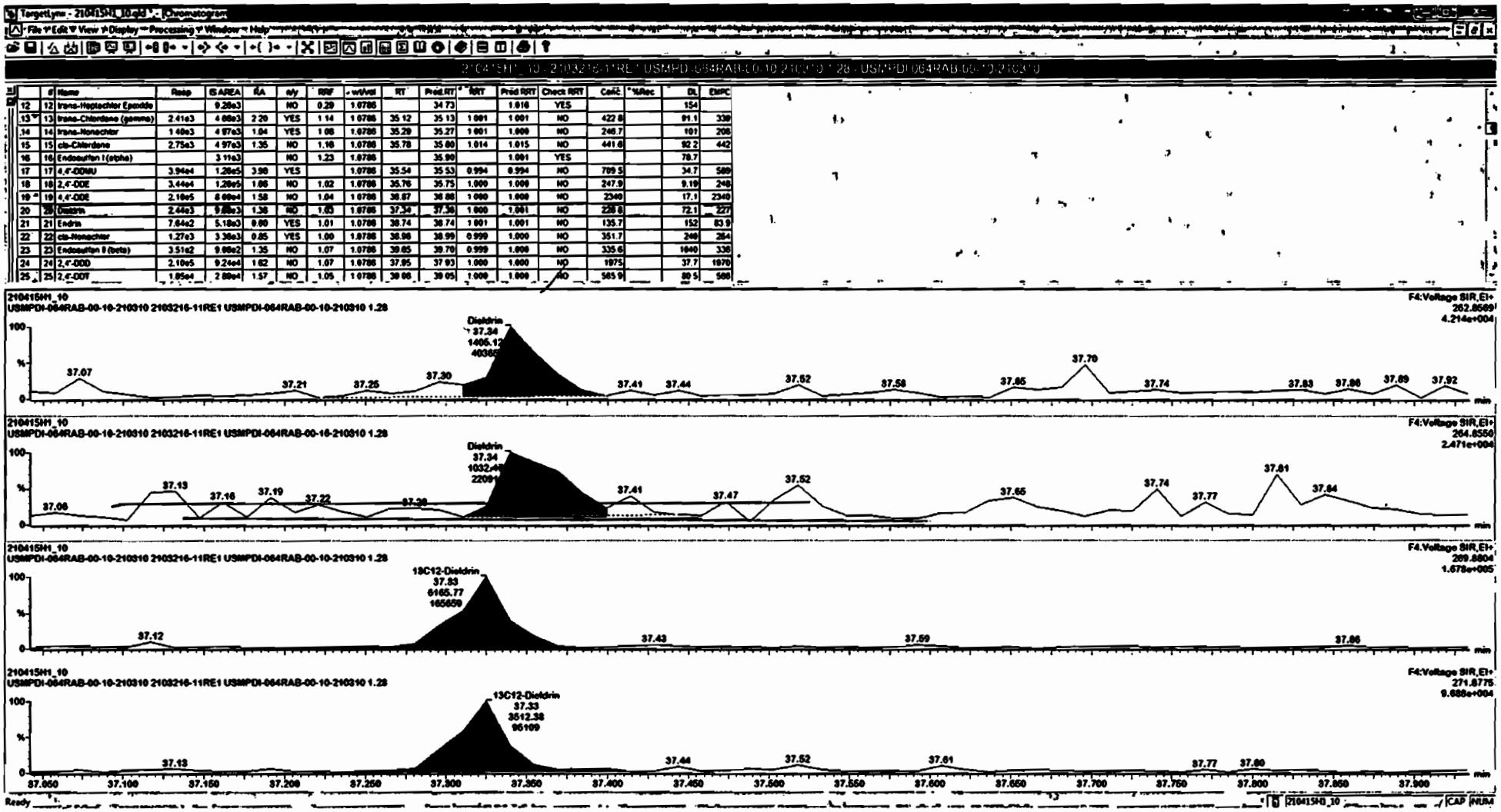
Name: 210415H1_10, Date: 15-Apr-2021, Time: 16:54:04, ID: 2103216-11RE1 USMPDI-064RAB-00-10-210310 1.28, Description: USMPDI-064RAB-00-10-210310

Dieldrin-EII

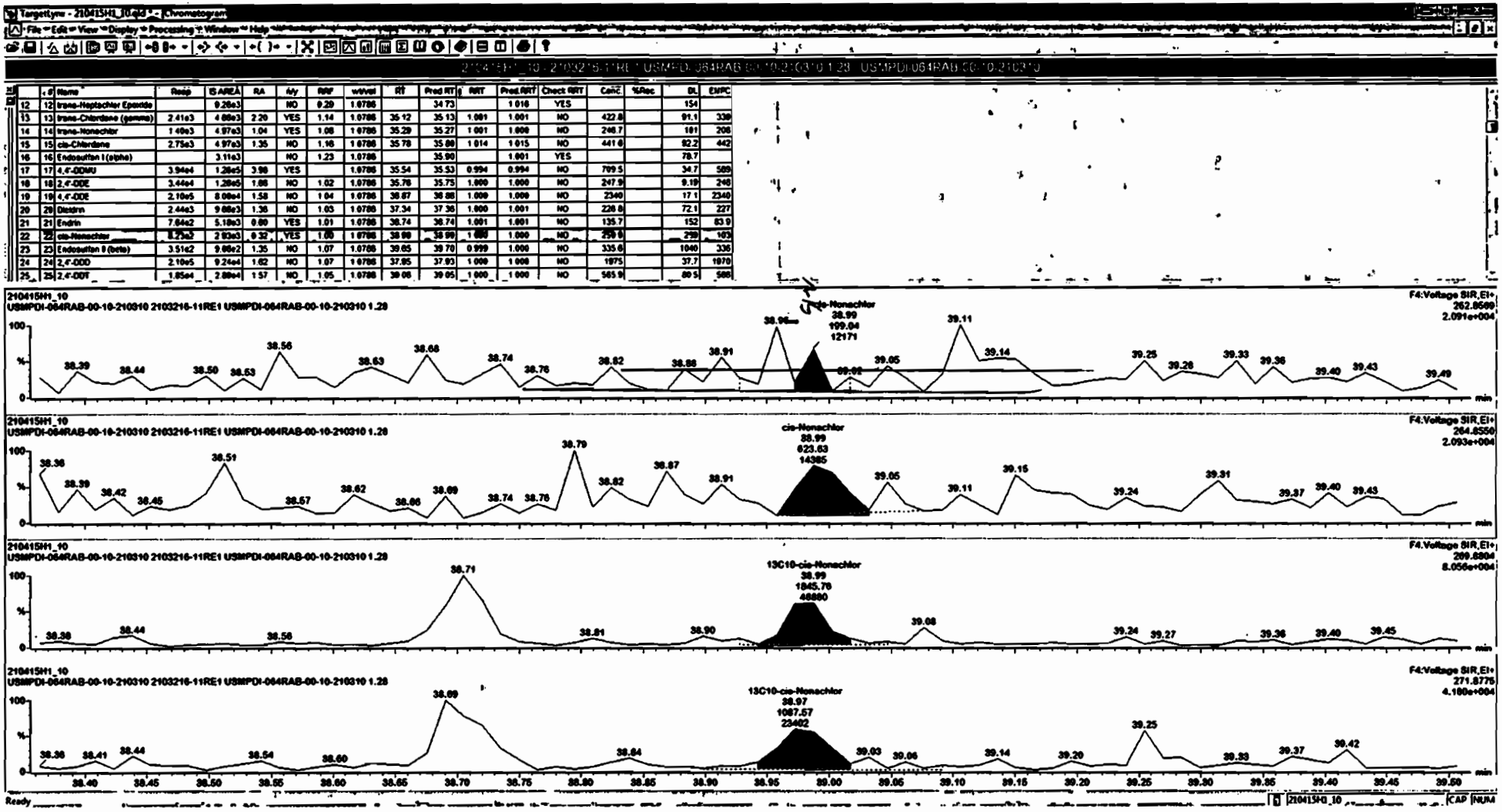


Dieldrin-EII-isotopes





	#	Name	Resp	IS AREA	RA	a/y	RRF	w/wt	RT	Pred RT	RRT	Pred RRT	Check RRT	Calc	%Rec	DL	EMPC
12	12	trans-Heptachlor Epoxide		9.28e3		NO	0.29	1.0786		34.73		1.016	YES			154	
13	13	trans-Chlordane (gamma)	2.41e3	4.68e3	2.20	YES	1.14	1.0786	35.12	35.13	1.001	1.001	NO	422.8		91.1	338
14	14	trans-Nonachlor	1.40e3	4.97e3	1.84	YES	1.08	1.0786	35.29	35.27	1.001	1.000	NO	246.7		101	206
15	15	cis-Chlordane	2.75e3	4.97e3	1.35	NO	1.16	1.0786	35.78	35.80	1.014	1.015	NO	441.6		92.2	442
16	16	Endosulfan I (alpha)		3.11e3		NO	1.23	1.0786		35.90		1.001	YES			78.7	
17	17	4,4'-DDMU	3.94e4	1.26e5	3.98	YES		1.0786	35.54	35.53	0.994	0.994	NO	709.5		34.7	589
18	18	2,4'-DDE	3.44e4	1.26e5	1.68	NO	1.02	1.0786	35.76	35.75	1.000	1.000	NO	247.9		9.19	248
19	19	4,4'-DDE	2.10e5	8.00e4	1.58	NO	1.04	1.0786	36.87	36.86	1.000	1.000	NO	2340		17.1	2340
20	20	Dieldrin	2.44e3	9.88e3	1.36	NO	1.05	1.0786	37.34	37.36	1.000	1.001	NO	238.8		72.1	227
21	21	Endrin	7.64e2	5.18e3	0.90	YES	1.01	1.0786	38.74	38.74	1.001	1.001	NO	135.7		152	83.9
22	22	cis-Nonachlor	1.27e3	3.36e3	0.85	YES	1.00	1.0786	38.98	38.99	0.999	1.000	NO	351.7		248	264
23	23	Endosulfan II (beta)	3.51e2	9.66e2	1.35	NO	1.07	1.0786	39.65	39.70	0.999	1.000	NO	335.6		1040	336
24	24	2,4'-DDD	2.10e5	9.24e4	1.62	NO	1.07	1.0786	37.95	37.93	1.000	1.000	NO	1975		37.7	1970
25	25	2,4'-DDT	1.85e4	2.88e4	1.57	NO	1.05	1.0786	39.66	39.65	1.000	1.000	NO	565.9		80.5	566


TargetLynx - 210415H1_10.qld * - Chromatogram
File Edit View Display Processing Window Help
210415H1_10 - 2103216-11RE1 USMPDI-064RAB-00-10-210310 1.28 USMPDI-064RAB-00-10-210310
cis-Nonachlor
38.99
199.04
12171
13C10-cis-Nonachlor
38.99
623.63
14385
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23402
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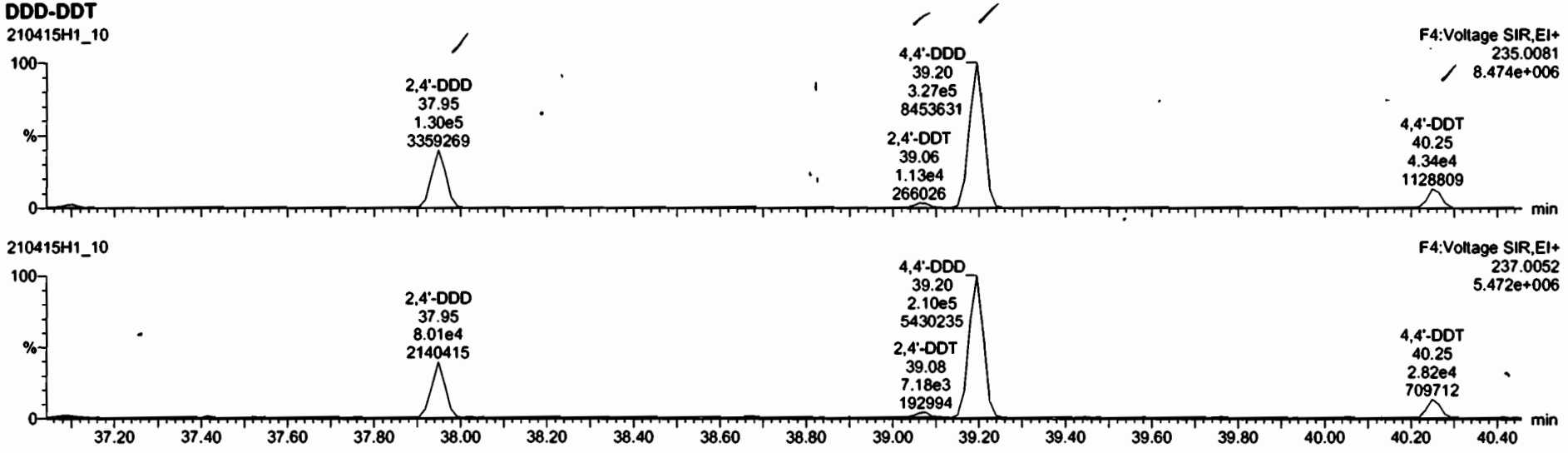
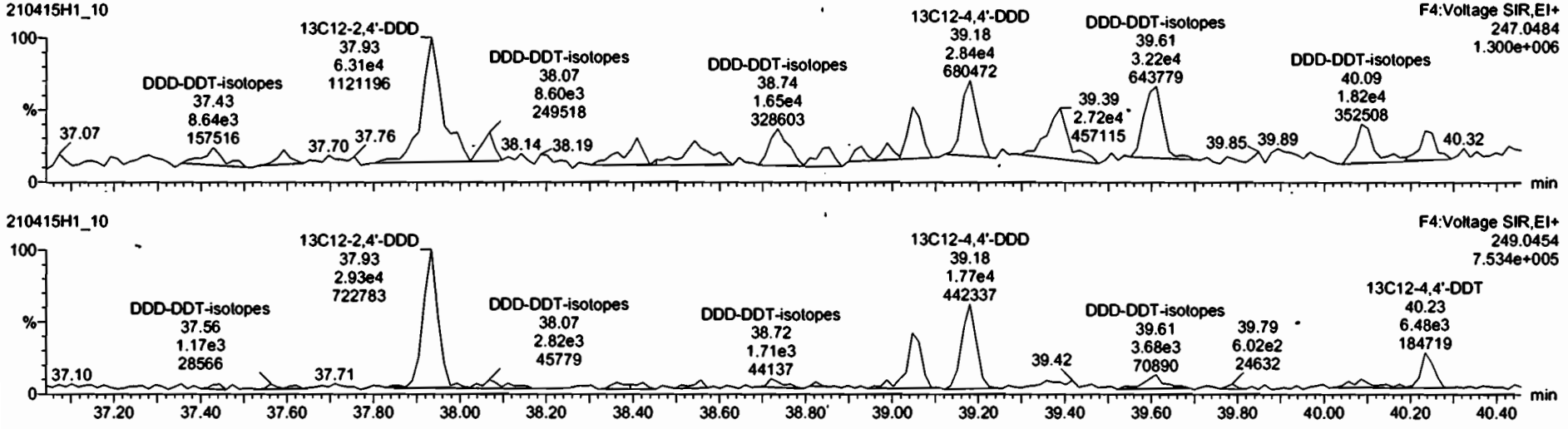
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_10, Date: 15-Apr-2021, Time: 16:54:04, ID: 2103216-11RE1 USMPDI-064RAB-00-10-210310 1.28, Description: USMPDI-064RAB-00-10-210310

DDD-DDT



DDD-DDT-isotopes

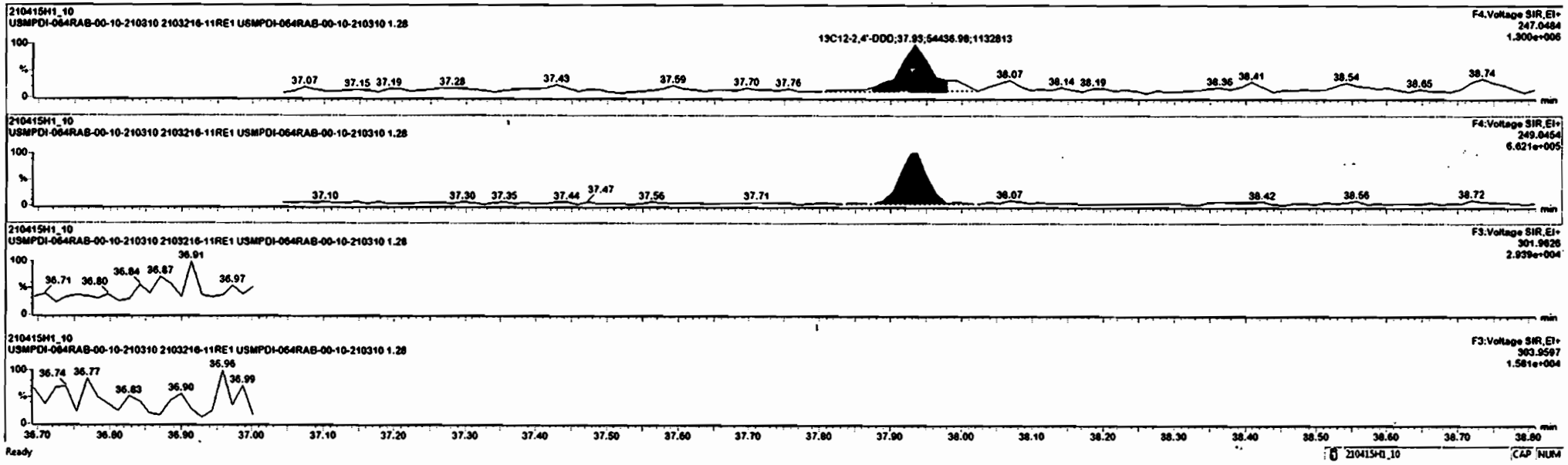


TargetLynx - 210415H1_10.qld * - Chromatogram

File Edit View Display Processing Window Help

210415H1_10 - 2103216-11RE1 USMPDI-064RAB-00-10-210310 1.28 - USMPDI-064RAB-00-10-210310

	#	Name	Resp	S/N AREA	RA	m/y	RRF	w/v/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
39	39	13C10-Heptachlor	3.36e4	5.02e5	1.31	NO	0.15	1.0786	28.79	28.81	1.101	1.102	NO	421.0	45.4	6.26	
40	40	13C12-Aldrin	2.27e3	5.02e5	1.71	NO	0.15	1.0786	30.95	30.90	1.180	1.181	NO	27.22	2.94	11.2	
41	41	13C10-Oxychlordane	7.78e3	5.02e5	1.59	NO	0.04	1.0786	33.41	33.47	1.278	1.280	NO	354.5	38.3	42.7	
42	42	13C10-cis-Heptachlor E...	9.26e3	5.02e5	1.53	NO	0.05	1.0786	34.19	34.25	1.307	1.310	NO	348.9	37.4	35.0	
43	43	13C10-trans-Chlordane...	4.67e3	5.02e5	1.54	NO	0.04	1.0786	35.09	35.15	1.342	1.344	NO	241.0	25.8	48.2	
44	44	13C10-trans-Nonachlor	4.91e3	7.98e4	1.53	NO	0.06	1.0786	35.26	35.30	0.982	0.983	NO	693.2	98.3	108	
45	45	13C9-Endosulfan I (alph...	3.11e3	7.98e4	1.34	NO	0.04	1.0786	35.86	35.90	0.999	1.000	NO	837.6	90.3	159	
46	46	13C12-2,4'-DDE	1.24e5	7.98e4	1.67	NO	1.43	1.0786	35.75	35.74	0.995	0.995	NO	1015	110	17.9	
47	47	13C12-4,4'-DDE	8.00e4	7.98e4	1.93	NO	0.96	1.0786	36.98	36.82	1.029	1.025	NO	924.0	101	25.8	
48	48	13C12-Dieldrin	9.68e3	7.98e4	1.76	NO	0.15	1.0786	37.33	37.35	1.039	1.040	NO	768.3	82.9	55.0	
49	49	13C12-Endrin	5.16e3	7.98e4	1.67	NO	0.11	1.0786	38.71	38.74	1.078	1.075	NO	543.6	58.7	72.7	
50	50	13C10-cis-Nonachlor	3.36e3	7.98e4	1.37	NO	0.08	1.0786	38.59	39.02	1.086	1.087	NO	492.7	53.1	102	
51	51	13C9-Endosulfan II	9.06e2	7.98e4	7.84	YES	0.03	1.0786	39.70	39.78	1.106	1.107	NO	353.7	42.5	331	
52	52	13C12-2,4'-DDD	8.28e4	7.98e4	1.92	NO	1.36	1.0786	37.93	37.95	1.056	1.057	NO	710.1	76.6	47.6	
53	53	13C12-2,4'-DDT	2.85e4	7.98e4	1.53	NO	0.96	1.0786	39.05	39.10	1.087	1.089	NO	344.3	37.1	66.8	
54	54	13C12-4,4'-DDD	4.60e4	7.98e4	1.61	NO	1.12	1.0786	39.18	39.23	1.091	1.092	NO	475.3	51.3	57.1	
55	55	13C12-4,4'-DDT	1.83e4	7.98e4	1.82	NO	0.74	1.0786	40.23	40.29	1.120	1.122	NO	289.0	31.2	87.4	
56	56	13C9-Endosulfan Sulfate	1.32e3	7.98e4	1.52	NO	0.03	1.0786	41.41	41.49	1.153	1.156	NO	442.8	47.7	201	
57	57	13C12-Methoxychlor	1.35e5	7.98e4	4.21	NO	0.72	1.0786	43.27	43.33	1.205	1.207	NO	2173	23.4	312	
58	58	13C10-Mirex	7.16e3	7.98e4	1.77	NO	0.33	1.0786	43.90	44.06	1.223	1.228	NO	253.4	27.3	30.2	



Ready

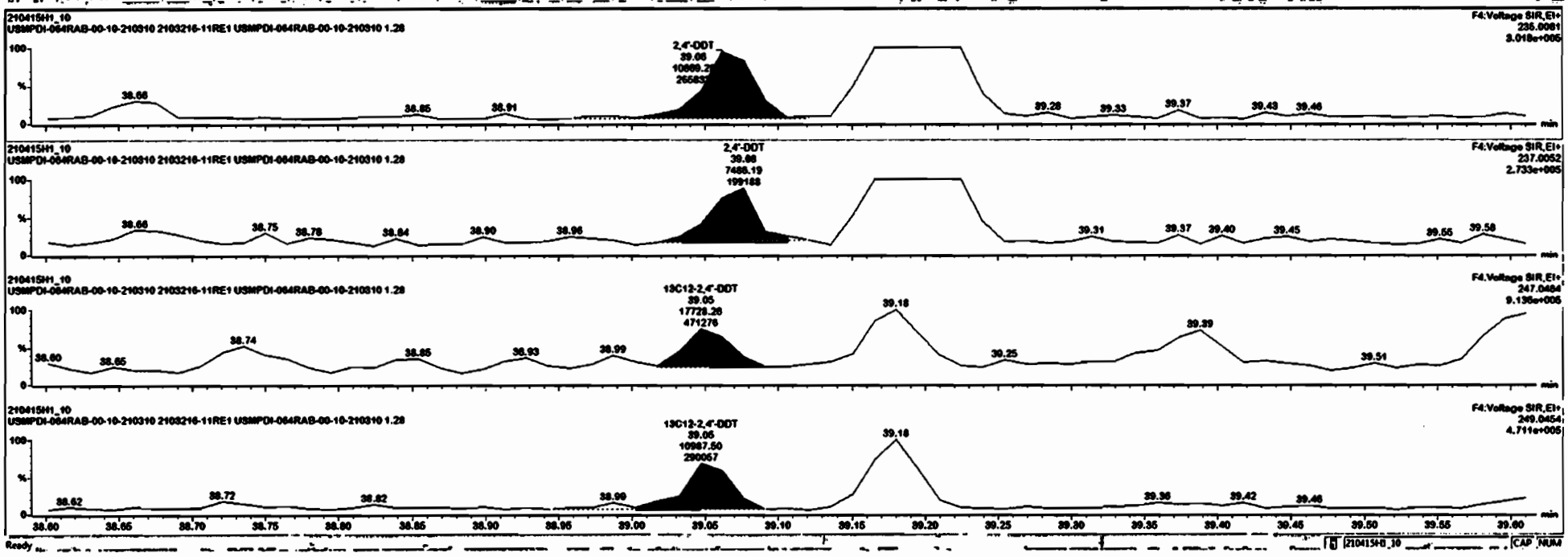
210415H1_10 CAP NUM

TargetLynx - 210415H1_10.qld * - Chromatogram

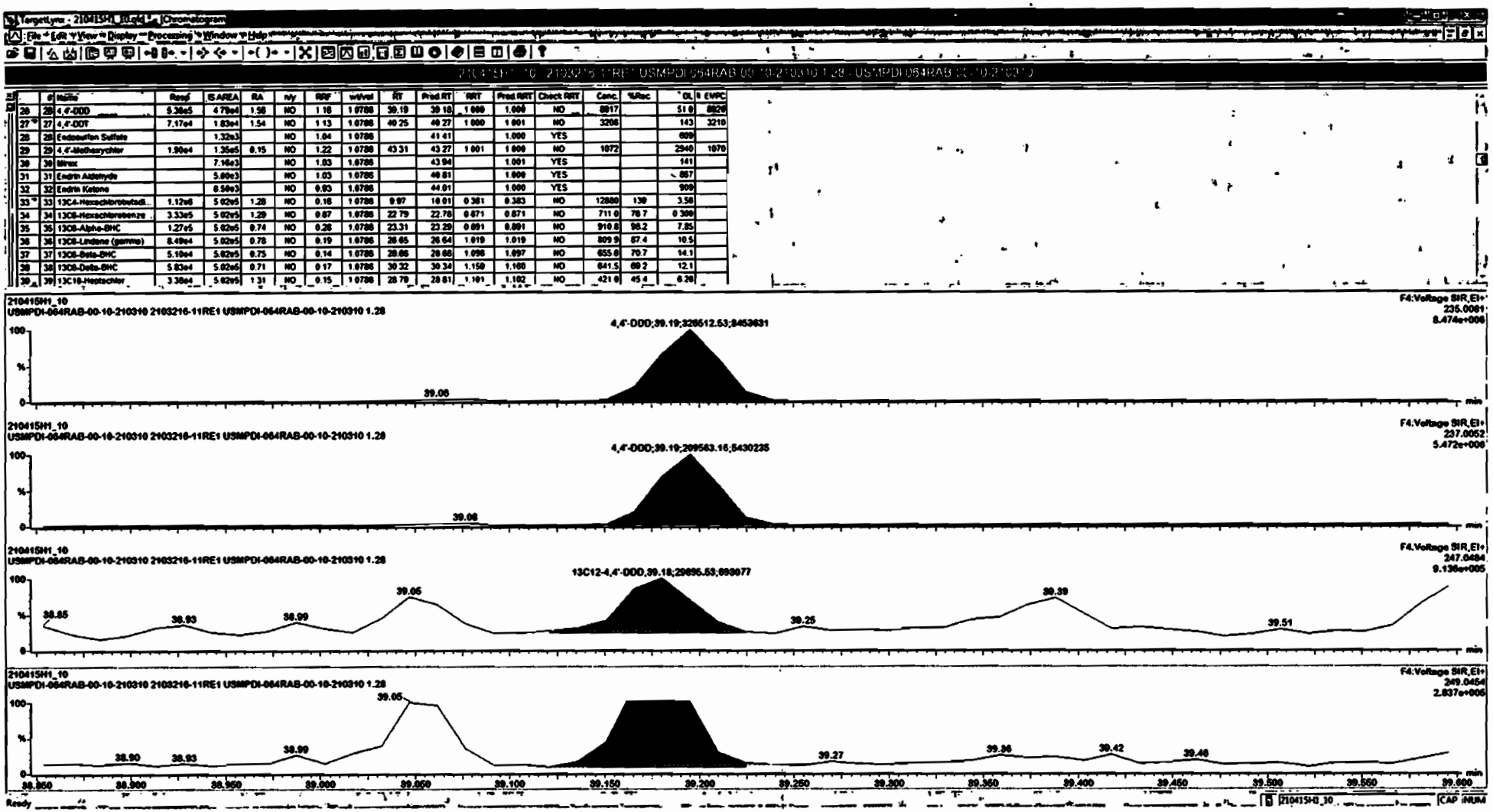
File Edit View Display Processing Window Help

210415H1_10 - 2103216-11RE1 USMPDI-064RAB-00-10-210310 1.28 - USMPDI-064RAB-00-10-210310

	#	Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred.RT	RRT	Pred.RRT	Check RRT	Conc	%Rec	DL	EMPC
1	1	Hexachlorobutadiene	1.65e4	1.12e6	0.25	YES	0.10	1.0786	9.98	9.99	1.001	1.002	NO	1334		6.42	479
2	2	Hexachlorobenzene	1.75e4	3.33e5	1.35	NO	0.98	1.0786	22.82	22.80	1.001	1.000	NO	49.58		0.122	49.6
3	3	Alpha-BHC	4.06e2	1.27e5	1.50	YES	0.83	1.0786	23.31	23.34	1.000	1.001	NO	3.577		6.31	3.18
4	4	Lindane (gamma-BHC)		8.49e4		NO	0.86	1.0786		26.66		1.000	YES			11.0	
5	5	Beta-BHC		5.10e4		NO	1.00	1.0786		28.60		1.001	YES			13.4	
6	6	Delta-BHC	3.28e2	5.83e4	0.77	YES	0.91	1.0786	30.28	30.35	0.999	1.001	NO	5.745		11.6	3.70
7	7	Heptachlor	7.33e2	3.38e4	0.69	YES	1.10	1.0786	28.82	28.82	1.001	1.001	NO	18.27		12.8	13.5
8	8	4,4'-DDNU	9.44e3	5.83e4	0.09	YES	1.25	1.0786	30.14	30.25	0.994	0.998	NO	120.0		29.9	13.4
9	9	Aldrin		2.27e3		NO	1.09	1.0786		30.89		1.001	YES			156	
10	10	Oxychlordane	2.23e2	7.76e3	0.83	YES	1.08	1.0786	33.43	33.45	1.000	1.001	NO	25.07		60.7	18.6
11	11	cis-Heptachlor Epoxide	7.43e2	9.26e3	0.60	YES	1.08	1.0786	34.24	34.22	1.002	1.001	NO	69.14		41.7	42.4
12	12	trans-Heptachlor Epoxide		9.26e3		NO	0.29	1.0786		34.73		1.016	YES			154	
13	13	trans-Chlordane (gamma)	2.41e3	4.66e3	2.20	YES	1.14	1.0786	35.12	35.13	1.001	1.001	NO	422.8		91.1	339
14	14	trans-Nonachlor	1.40e3	4.97e3	1.04	YES	1.08	1.0786	35.29	35.27	1.001	1.000	NO	246.7		101	208



Ready 210415H1_10 CAP NUM



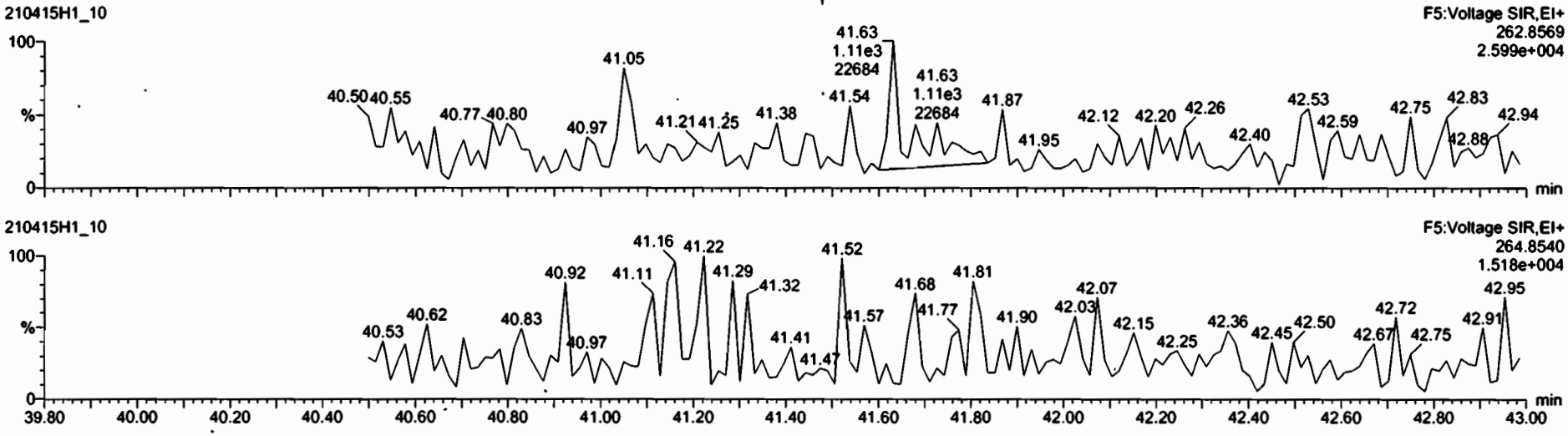
	#	Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	S EMPC
26	26	4,4'-DDD	5.36e5	479e4	1.58	NO	1.16	1.0786	39.19	39.18	1.000	1.000	NO	8917		51.0	8826
27	27	4,4'-DDT	7.17e4	1.83e4	1.54	NO	1.13	1.0786	40.25	40.27	1.000	1.001	NO	3206		143	3210
28	28	Endosulfan Sulfate		1.32e3		NO	1.04	1.0786		41.41		1.000	YES			609	
29	29	4,4'-Methoxychlor	1.90e4	1.35e5	0.15	NO	1.22	1.0786	43.31	43.27	1.001	1.000	NO	1072		2940	1079
30	30	Mirex		7.16e3		NO	1.03	1.0786		43.94		1.001	YES			141	
31	31	Endrin Aldehyde		5.69e3		NO	1.03	1.0786		44.81		1.000	YES			887	
32	32	Endrin Ketone		8.50e3		NO	0.93	1.0786		44.01		1.000	YES			909	
33	33	13C4-Hexachlorobutadi...	1.12e6	5.02e5	1.28	NO	0.16	1.0786	9.97	10.01	0.381	0.383	NO	12880	139	3.58	
34	34	13C6-Hexachlorobenze...	3.33e5	5.02e5	1.29	NO	0.67	1.0786	22.79	22.78	0.871	0.871	NO	711.0	76.7	0.309	
35	35	13C6-Alpha-BHC	1.27e5	5.02e5	0.74	NO	0.26	1.0786	23.31	23.29	0.891	0.891	NO	910.8	98.2	7.85	
36	36	13C6-Lindane (gamma)	8.49e4	5.02e5	0.78	NO	0.19	1.0786	26.65	26.64	1.019	1.019	NO	809.9	87.4	10.5	
37	37	13C6-Beta-BHC	5.10e4	5.02e5	0.75	NO	0.14	1.0786	26.66	26.68	1.056	1.057	NO	655.8	70.7	14.1	
38	38	13C6-Delta-BHC	5.83e4	5.02e5	0.71	NO	0.17	1.0786	30.32	30.34	1.159	1.160	NO	641.5	69.2	12.1	
39	39	13C10-Heptachlor	3.38e4	5.02e5	1.31	NO	0.15	1.0786	28.79	28.81	1.101	1.102	NO	421.0	45.4	6.26	

Dataset: Untitled

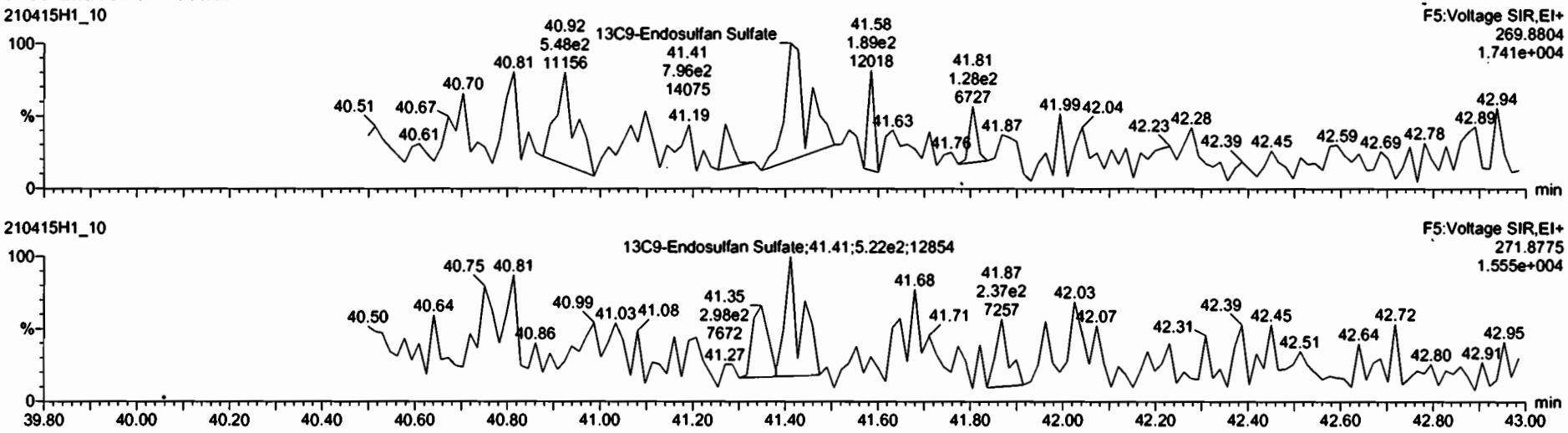
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_10, Date: 15-Apr-2021, Time: 16:54:04, ID: 2103216-11RE1 USMPDI-064RAB-00-10-210310 1.28, Description: USMPDI-064RAB-00-10-210310

Endosulfan Sulfate



13C9-Endosulfan Sulfate



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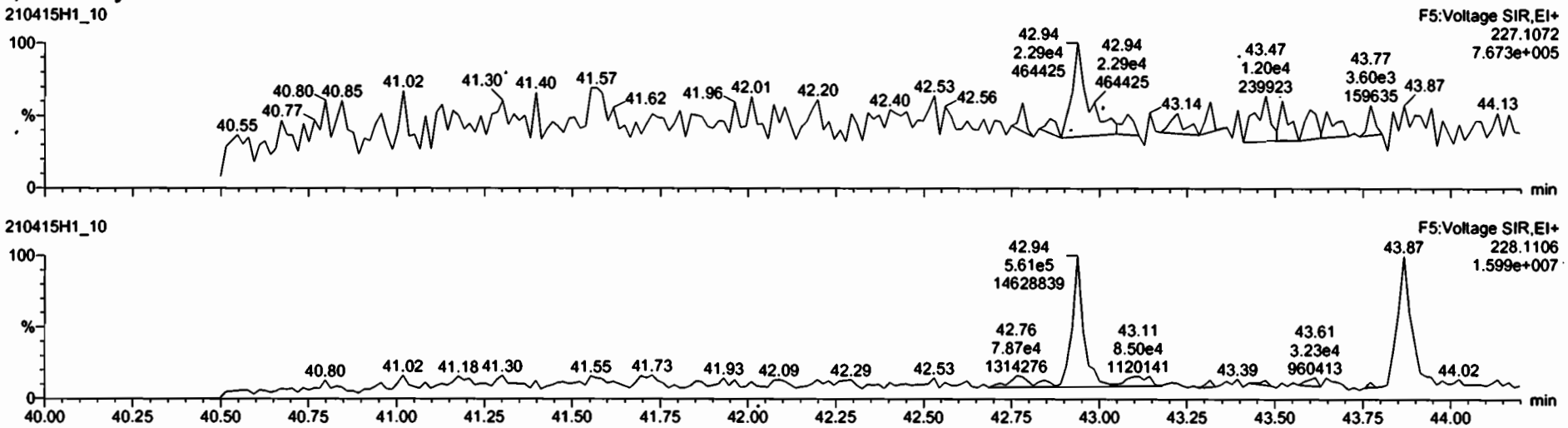
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_10, Date: 15-Apr-2021, Time: 16:54:04, ID: 2103216-11RE1 USMPDI-064RAB-00-10-210310 1.28, Description: USMPDI-064RAB-00-10-210310

4,4'-Methoxychlor



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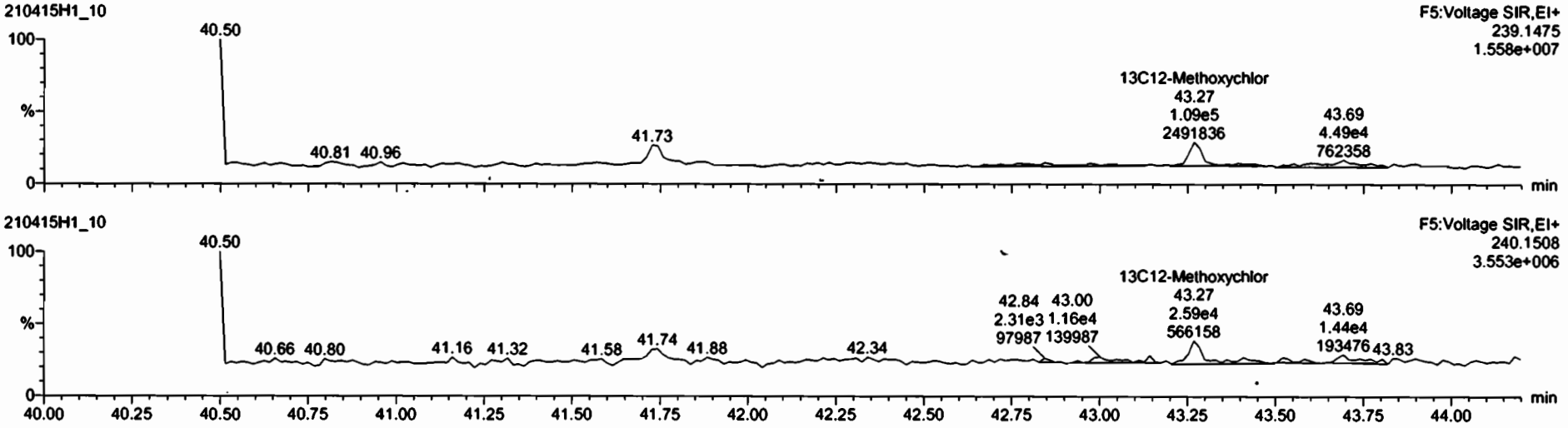

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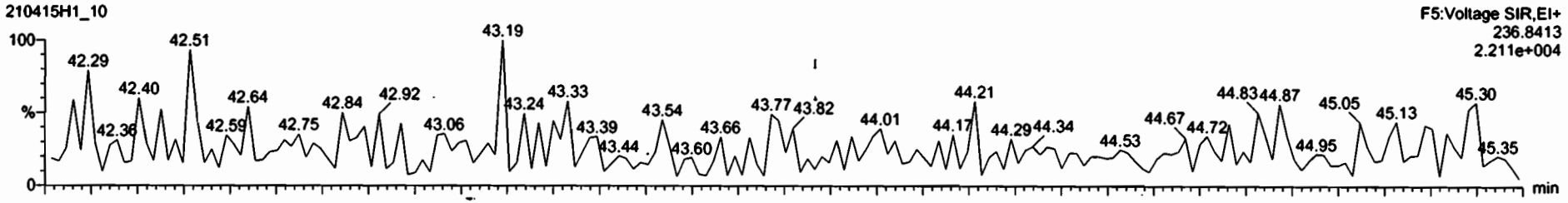
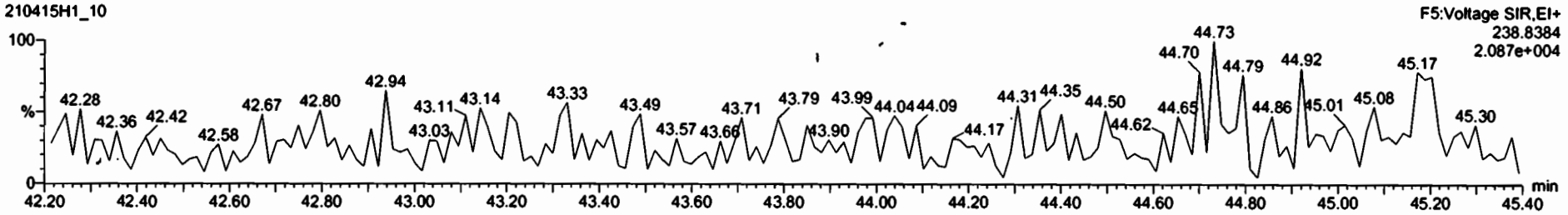
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_10, Date: 15-Apr-2021, Time: 16:54:04, ID: 2103216-11RE1 USMPDI-064RAB-00-10-210310 1.28, Description: USMPDI-064RAB-00-10-210310

Mirex





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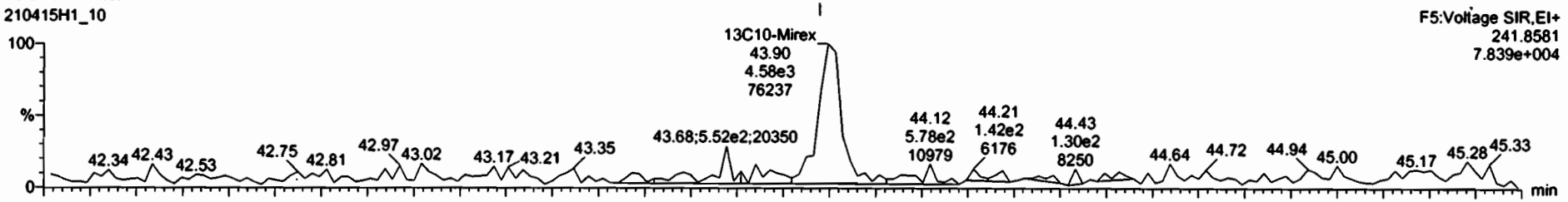

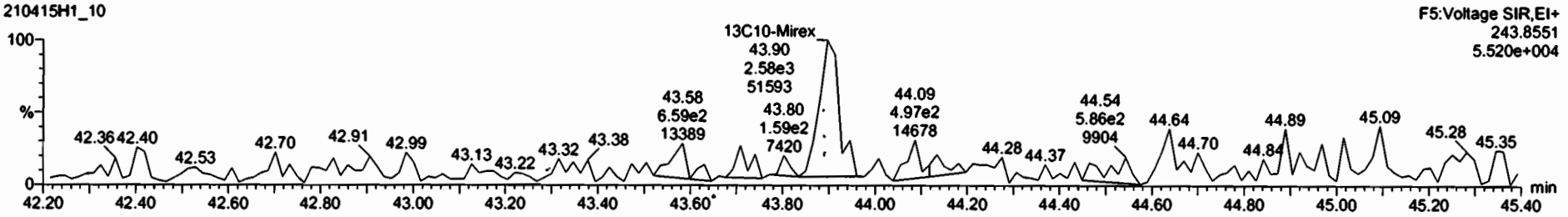

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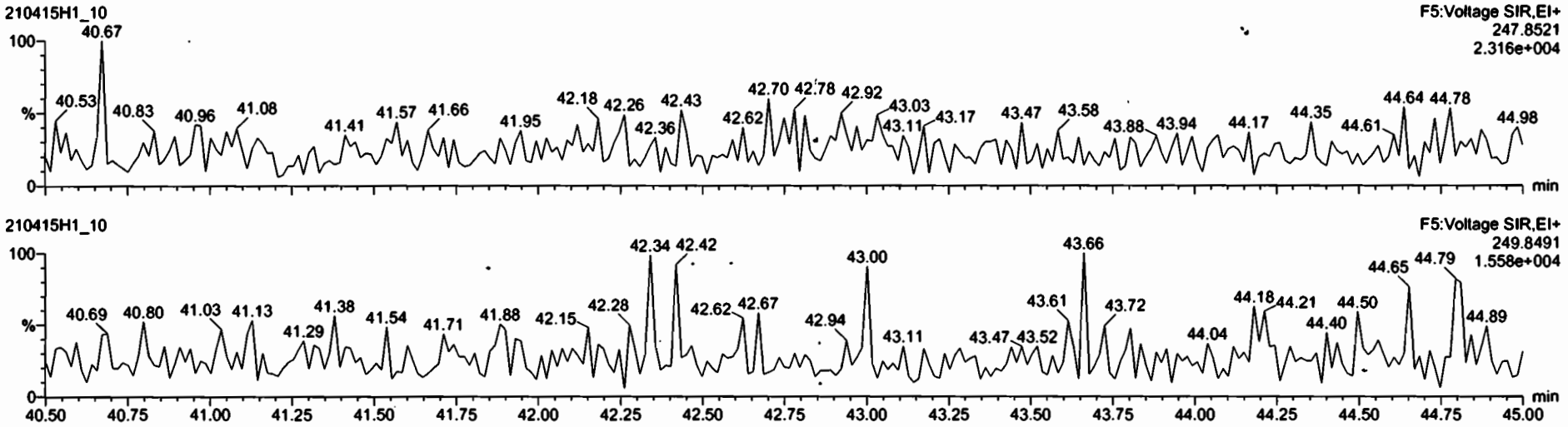
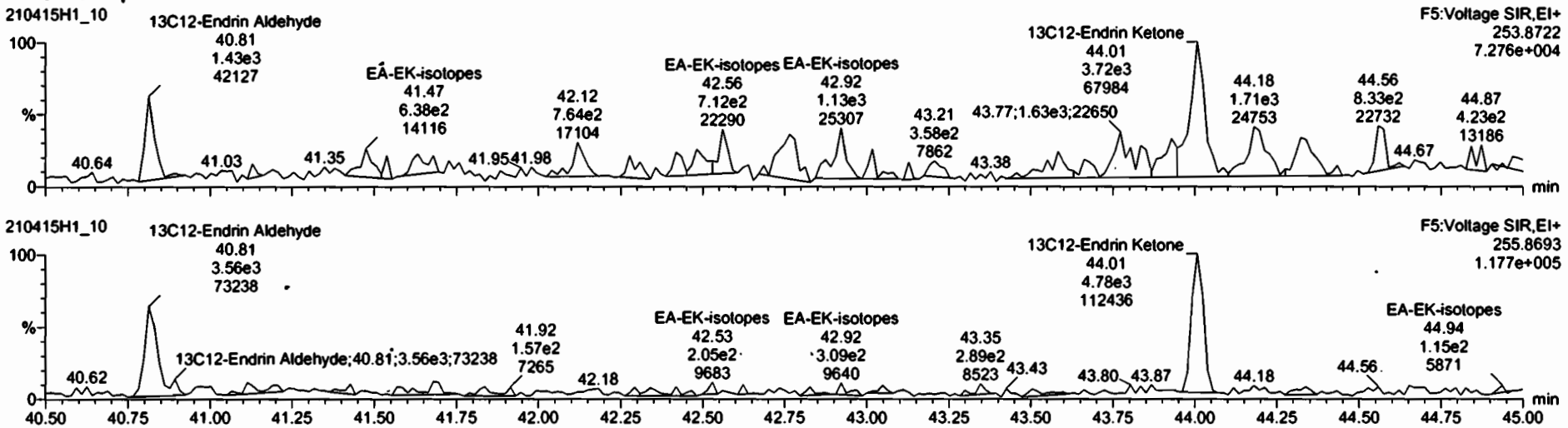
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_10, Date: 15-Apr-2021, Time: 16:54:04, ID: 2103216-11RE1 USMPDI-064RAB-00-10-210310 1.28, Description: USMPDI-064RAB-00-10-210310

EA-EK



EA-EK-isotopes



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Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

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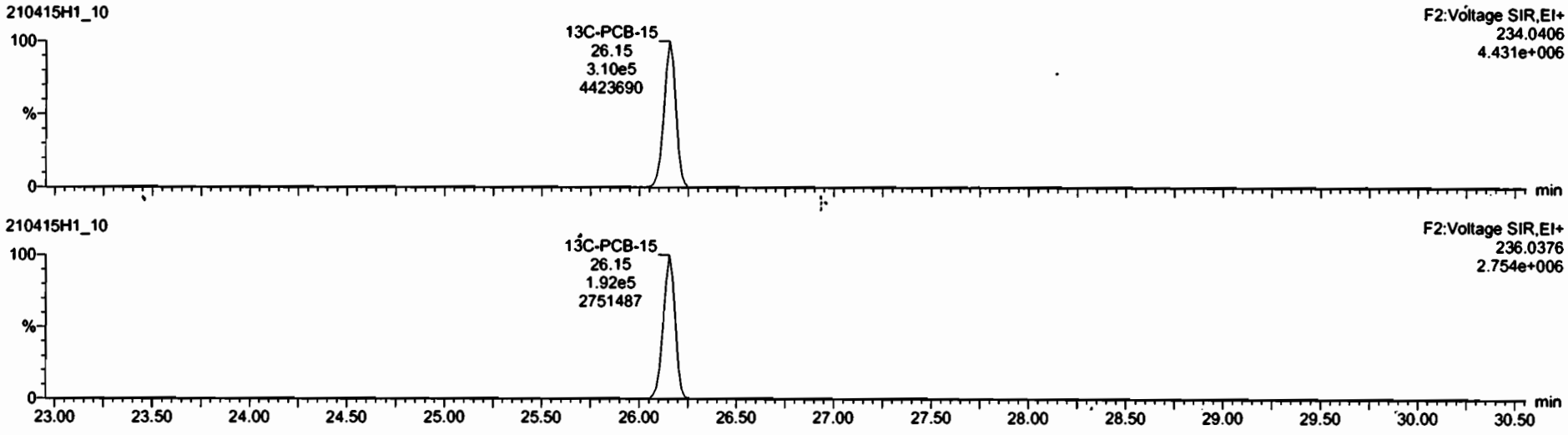
13C-PCB-15



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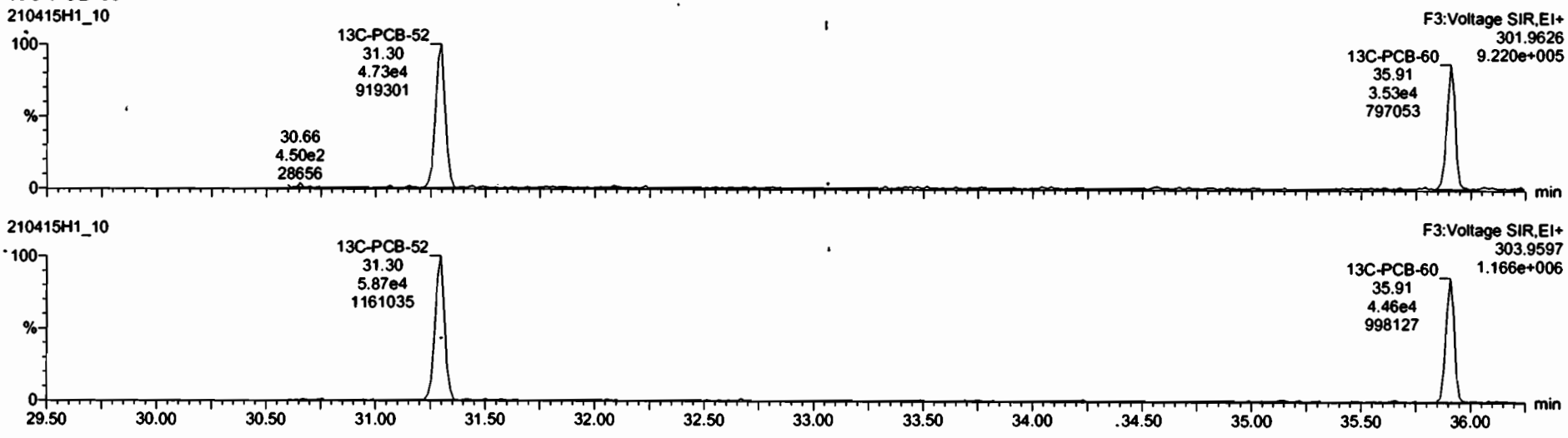

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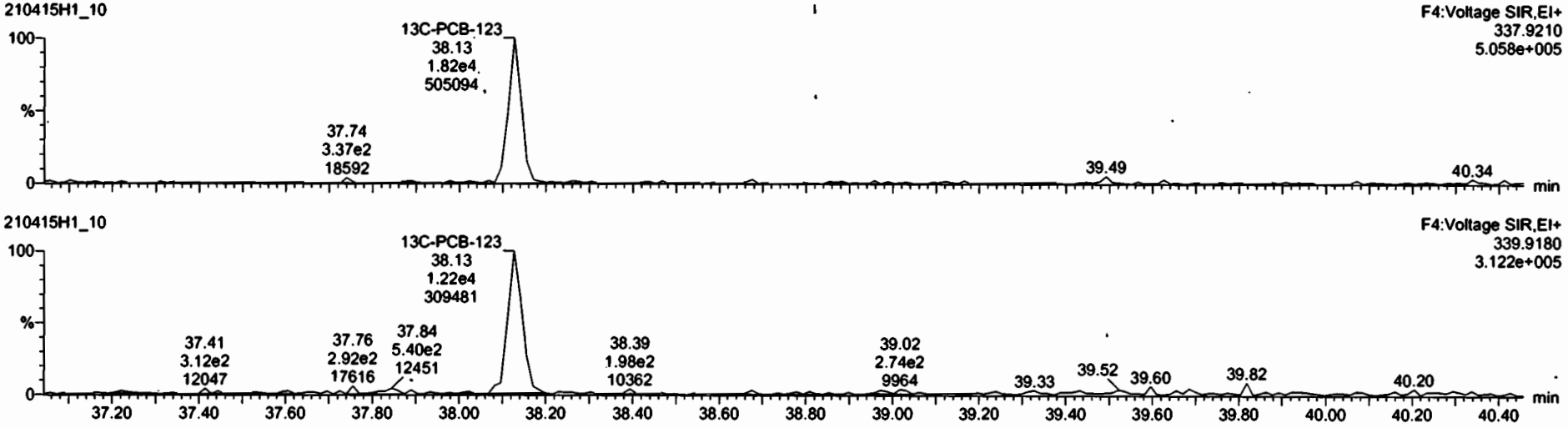

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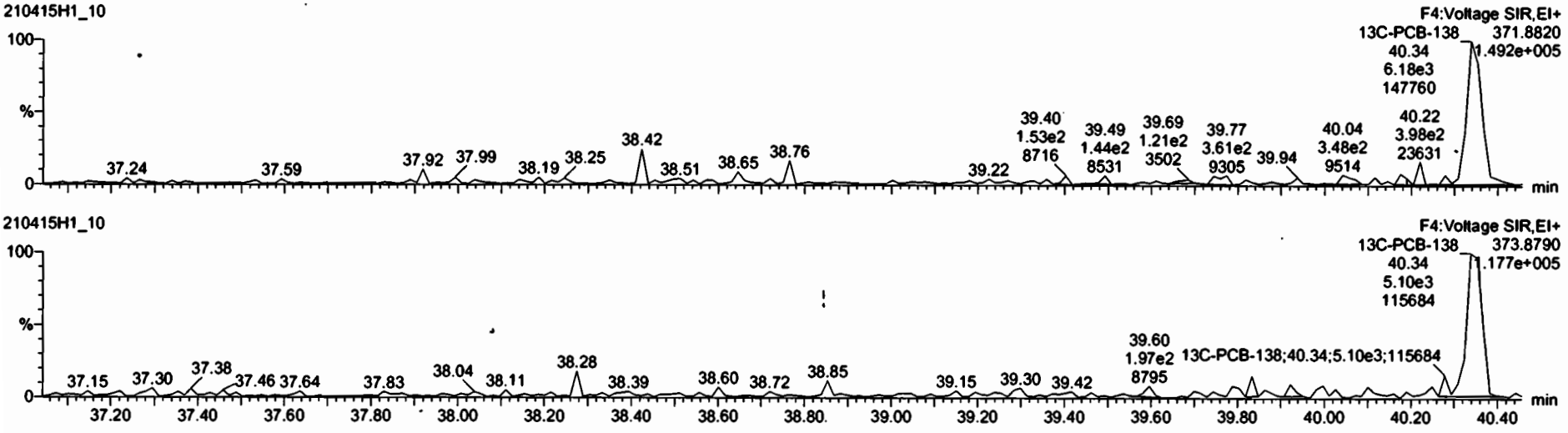

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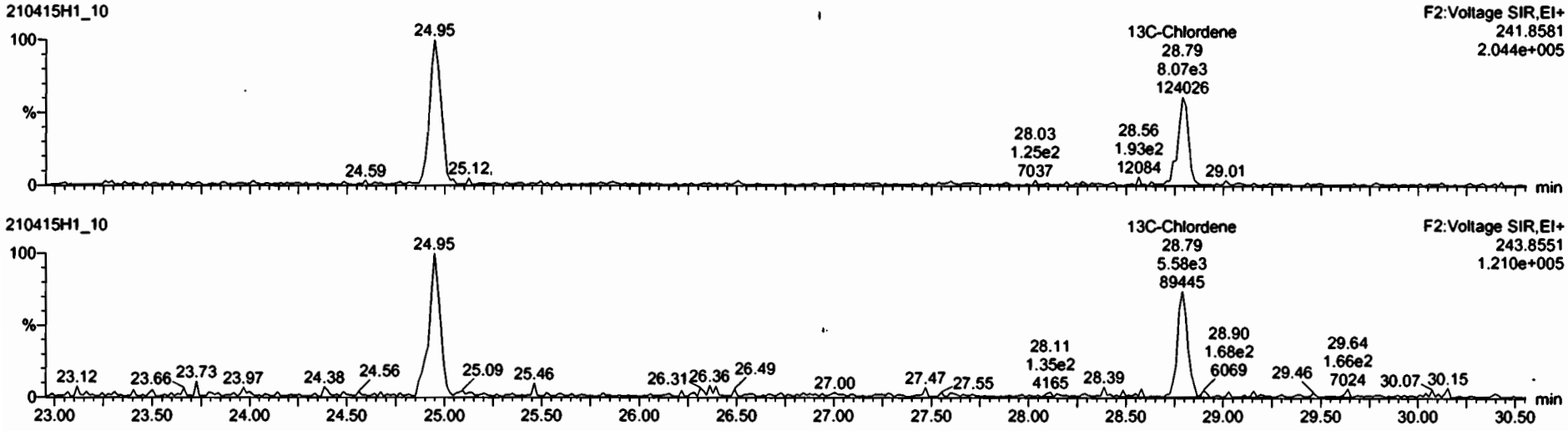
13C-Chlordene



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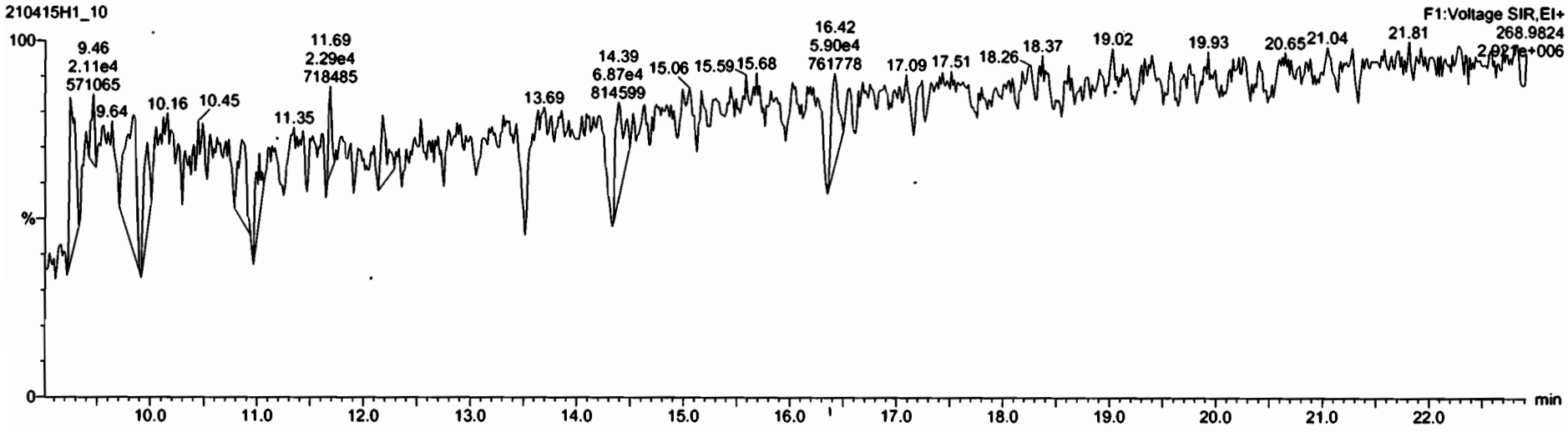

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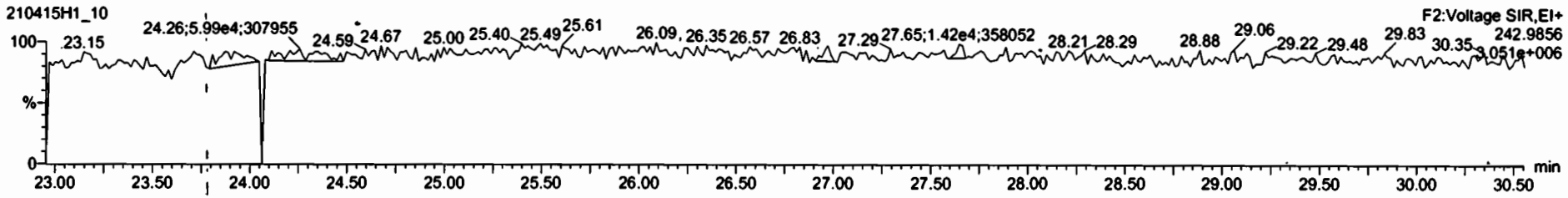
PFK2



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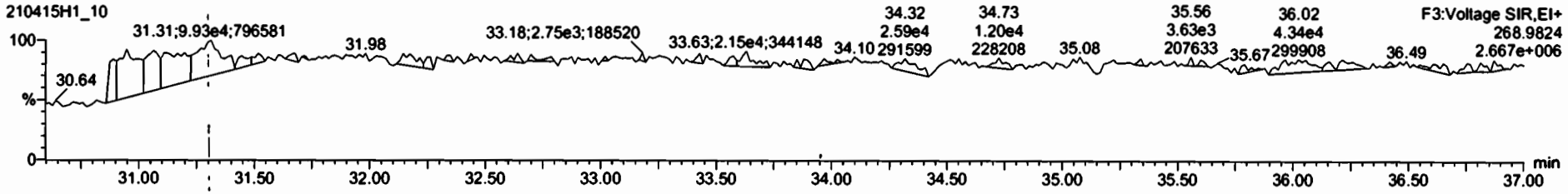

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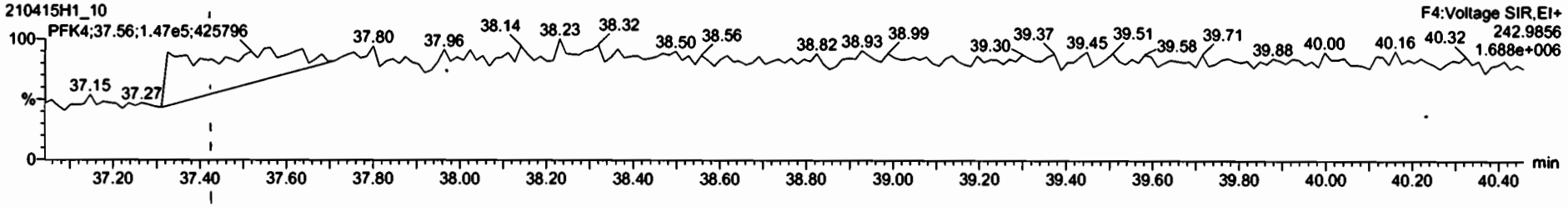

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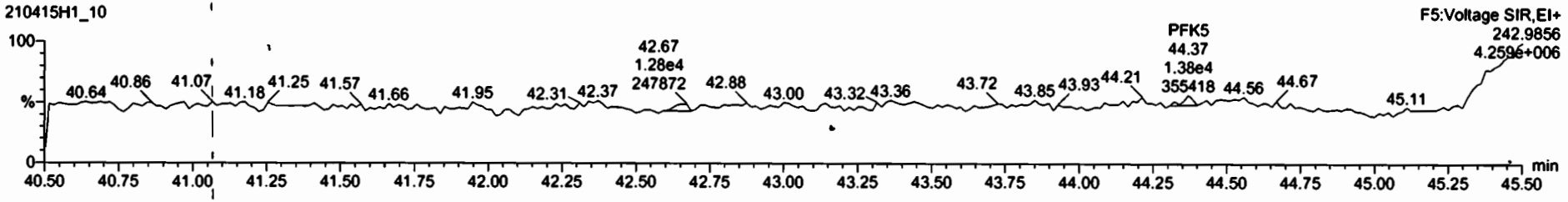


Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210506H1\210506H1_6.qld

Last Altered: Thursday, May 06, 2021 3:19:50 PM Pacific Daylight Time
Printed: Thursday, May 06, 2021 3:38:30 PM Pacific Daylight Time

DF 05/06/21

CT 05/07/2021

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210506H1_6, Date: 06-May-2021, Time: 14:30:55, ID: 2103216-11RE2@6X USMPDI-064RAB-00-10-210310 1.31, Description: USMPDI-064RAB-00-10-210310, Task: ST210505H1_1

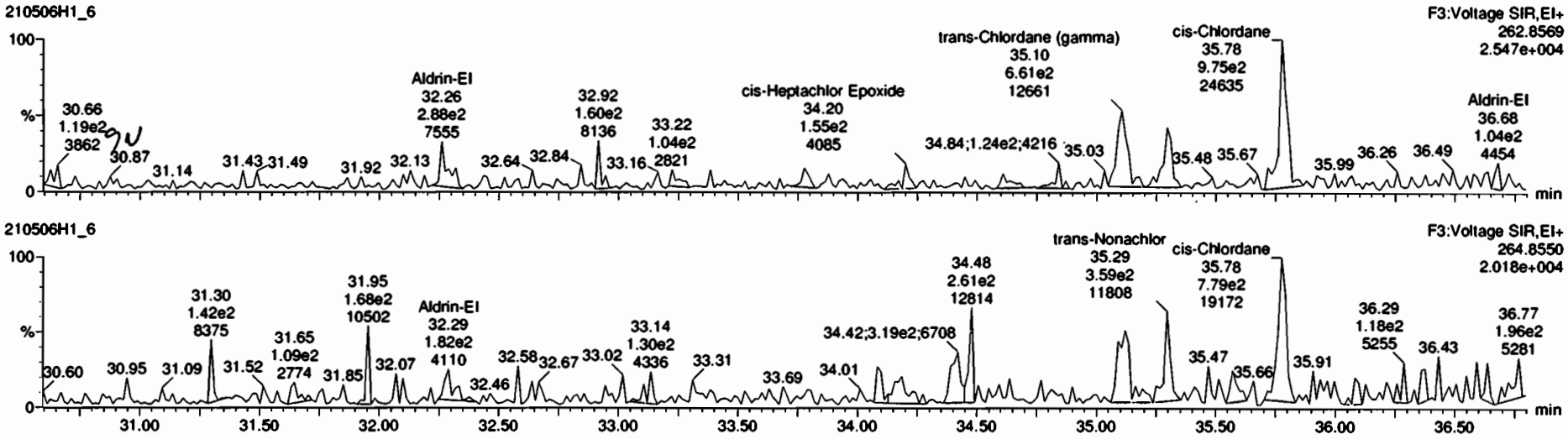
	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	9	Aldrin		1.47e3		NO	1.12	1.104			1.001	YES			232	
2	40	13C12-Aldrin	1.47e3	1.34e5	1.65	NO	0.152	1.104	30.83	1.183	1.181	NO	65.618	7.24	28.8	
3	62	13C-PCB-15	1.34e5	1.34e5	1.63	NO	1.00	1.104	26.07	1.000	1.000	NO	905.89	100	5.36	

Dataset: Untitled

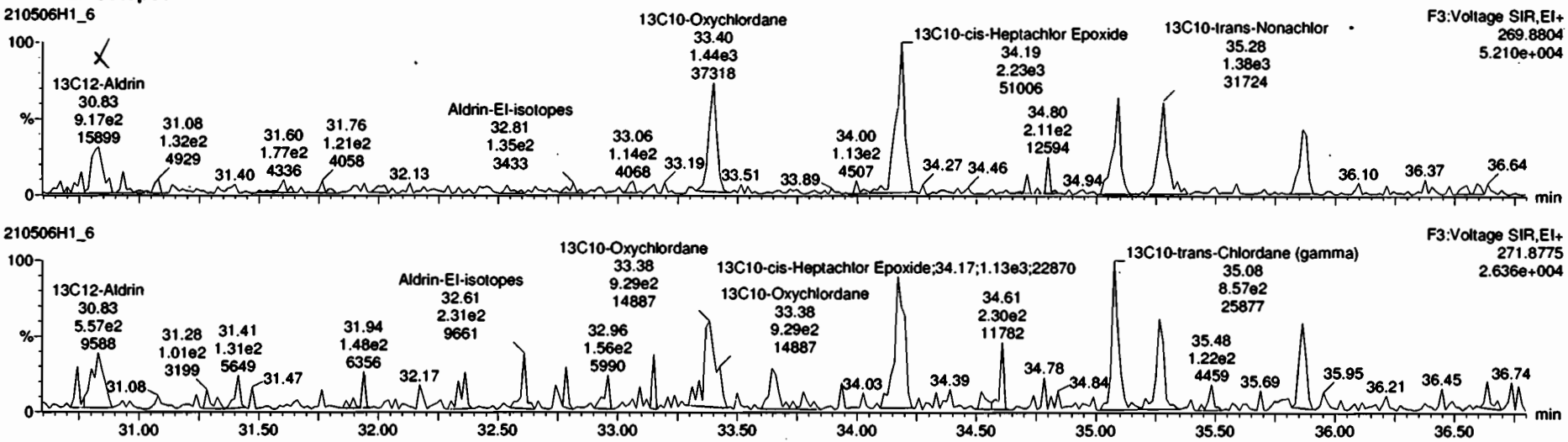
Last Altered: Thursday, May 06, 2021 3:23:45 PM Pacific Daylight Time
Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

Name: 210506H1_6, Date: 06-May-2021, Time: 14:30:55, ID: 2103216-11RE2@6X USMPDI-064RAB-00-10-210310 1.31, Description: USMPDI-064RAB-00-10-210310

Aldrin-EI



Aldrin-EI-isotopes

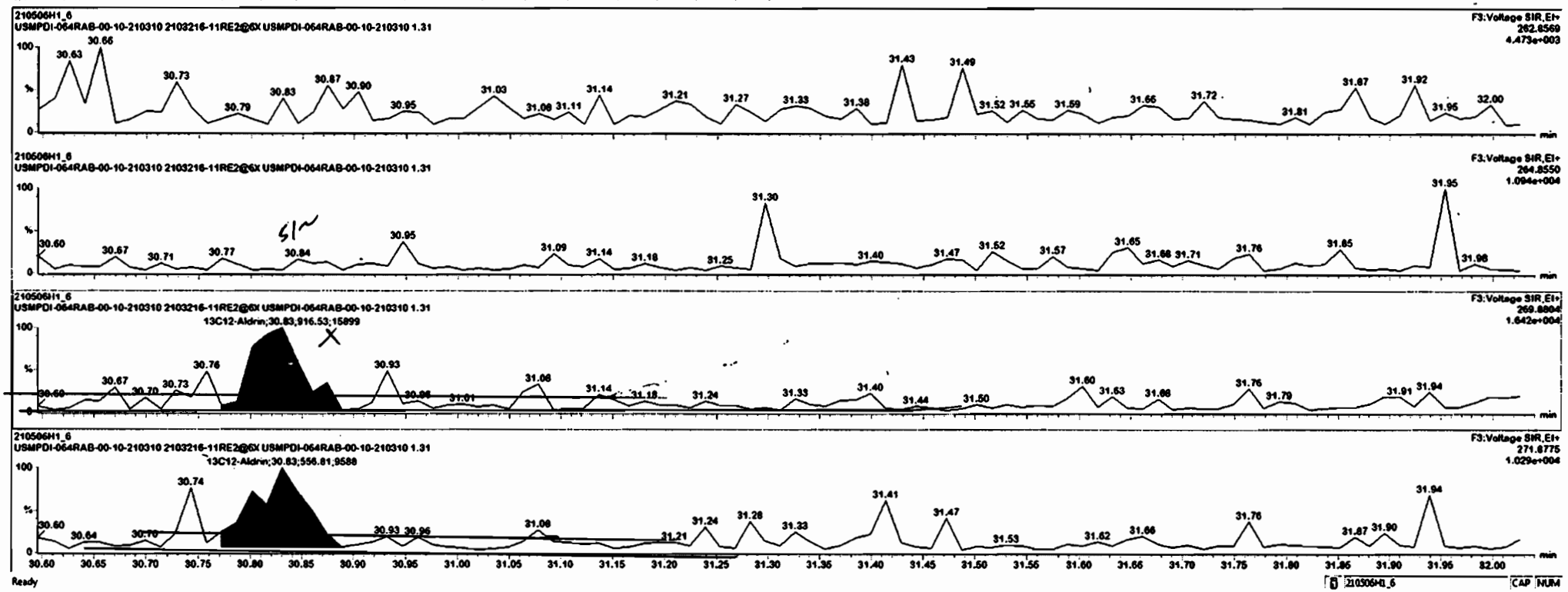


TargetLynx - untitled * - [Chromatogram]

File Edit View Display Processing Window Help

210506H1_6 2103216-11RE2@6X USMPDI-064RAB-00-10-210310 1.31 - USMPDI-064RAB-00-10-210310

	#	Name	Resp	S AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
31	31	Endrin Aldehyde		2.24e3		NO	1.18	1.1029		40.82		1.000	YES			1130	
32	32	Endrin Ketone		4.46e3		NO	1.94	1.1029		44.02		1.000	YES			827	
33	33	13C4-Hexachlorobutadi...	1.89e5	1.34e5	1.32	NO	0.20	1.1029	9.96	9.98	0.383	0.383	NO	6493	71.7	5.95	
34	34	13C6-Hexachlorobenze...	9.22e4	1.34e5	1.32	NO	0.89	1.1029	22.71	22.71	0.871	0.871	NO	699.2	77.2	0.794	
35	35	13C6-Alpha-BHC	2.66e4	1.34e5	0.65	NO	0.25	1.1029	23.24	23.22	0.892	0.891	NO	727.5	80.3	27.5	
36	36	13C6-Lindane (gamma)	1.73e4	1.34e5	0.86	NO	0.19	1.1029	26.57	26.56	1.019	1.019	NO	619.3	68.4	36.2	
37	37	13C6-Beta-BHC	1.06e4	1.34e5	0.78	NO	0.13	1.1029	28.61	28.59	1.097	1.097	NO	547.1	60.4	52.5	
38	38	13C6-Delta-BHC	1.30e4	1.34e5	0.76	NO	0.17	1.1029	30.25	30.24	1.161	1.160	NO	531.5	58.7	41.5	
39	39	13C10-Heptachlor	8.11e3	1.34e5	1.15	NO	0.11	1.1029	28.72	28.72	1.102	1.102	NO	389.1	42.9	31.8	
40	40	13C12-Aldrin	1.47e3	1.34e5	1.65	NO	0.15	1.1029	30.83	30.80	1.182	1.181	NO	65.82	7.24	28.8	
41	41	13C10-Oxychlordane	2.37e3	1.34e5	1.55	NO	0.04	1.1029	33.40	33.36	1.281	1.280	NO	364.6	40.2	99.3	



Ready

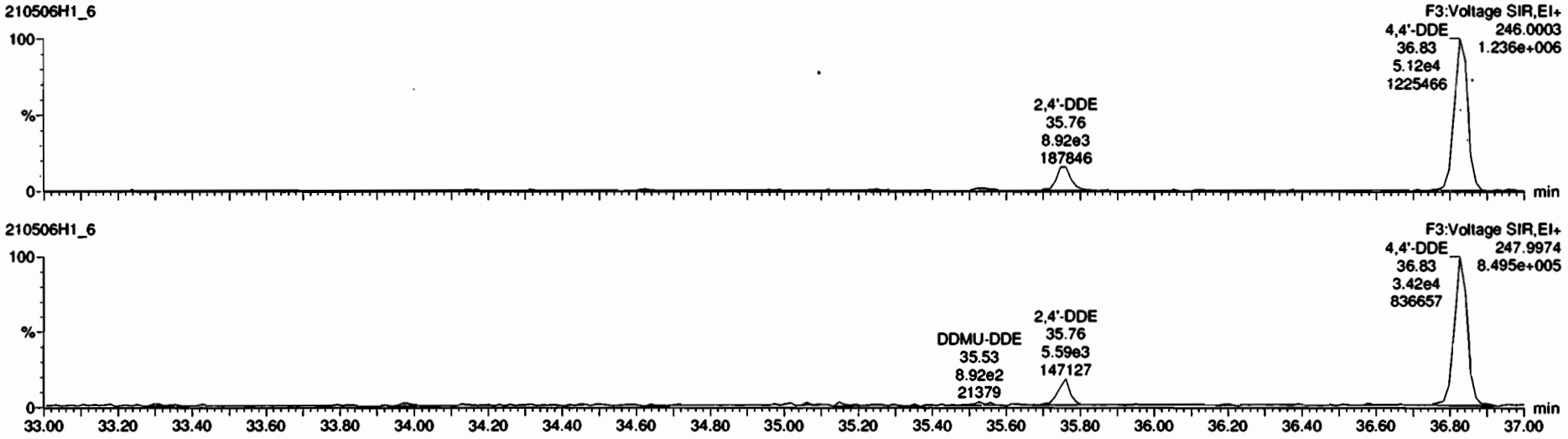
210506H1_6 CAP NUM

Dataset: Untitled

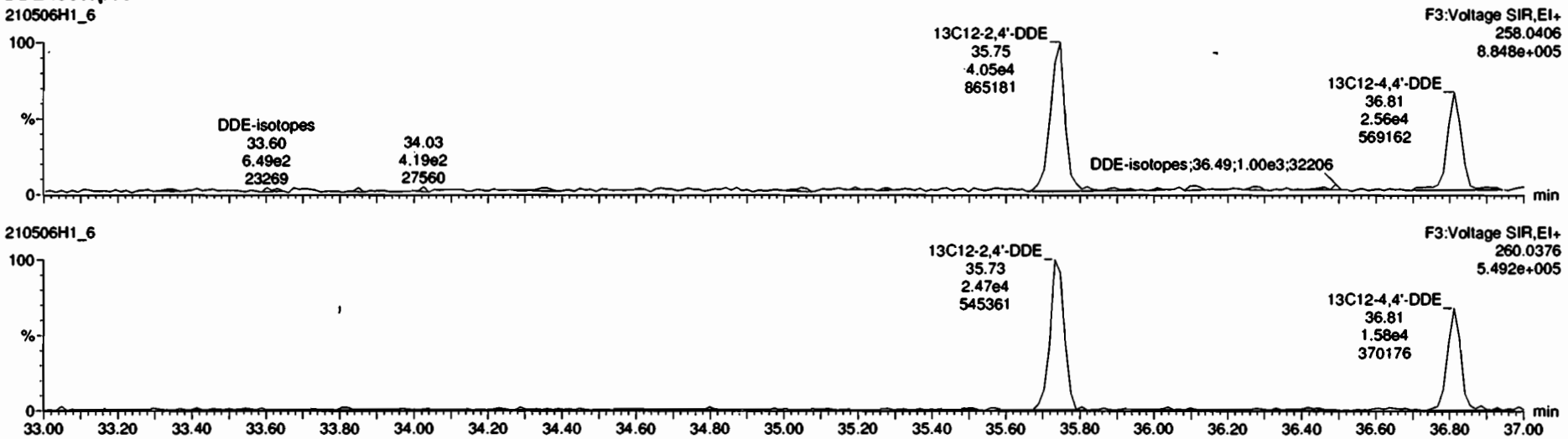
Last Altered: Thursday, May 06, 2021 3:23:45 PM Pacific Daylight Time
Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

Name: 210506H1_6, Date: 06-May-2021, Time: 14:30:55, ID: 2103216-11RE2@6X USMPDI-064RAB-00-10-210310 1.31, Description: USMPDI-064RAB-00-10-210310

DDMU-DDE



DDE-isotopes



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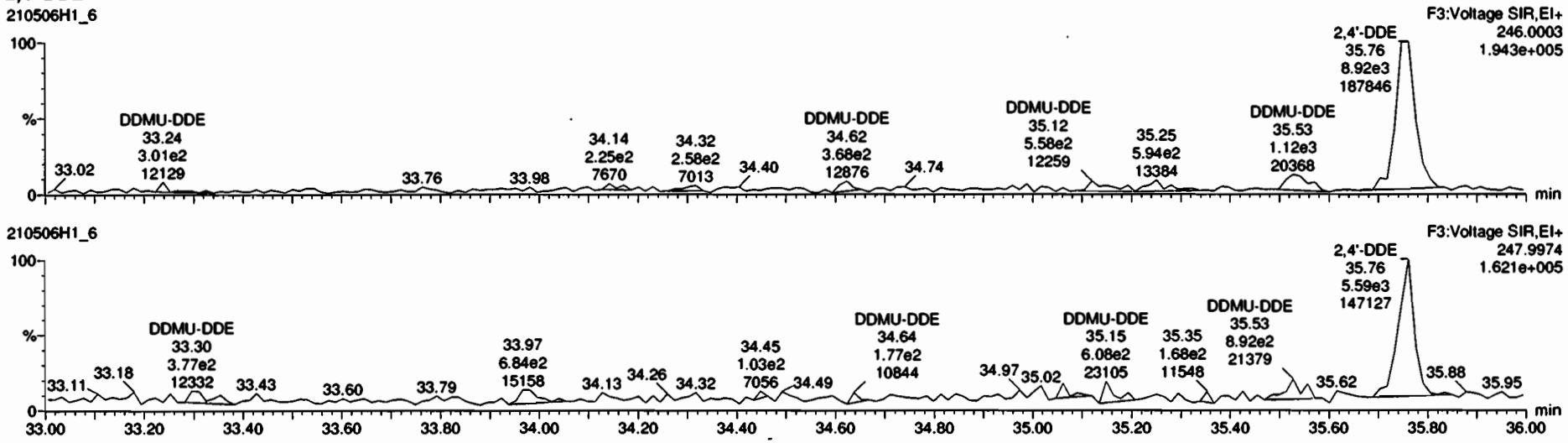
Last Altered: Thursday, May 06, 2021 3:23:45 PM Pacific Daylight Time
Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

Name: 210506H1_6, Date: 06-May-2021, Time: 14:30:55, ID: 2103216-11RE2@6X USMPDI-064RAB-00-10-210310 1.31, Description: USMPDI-064RAB-00-10-210310

2,4'-DDE



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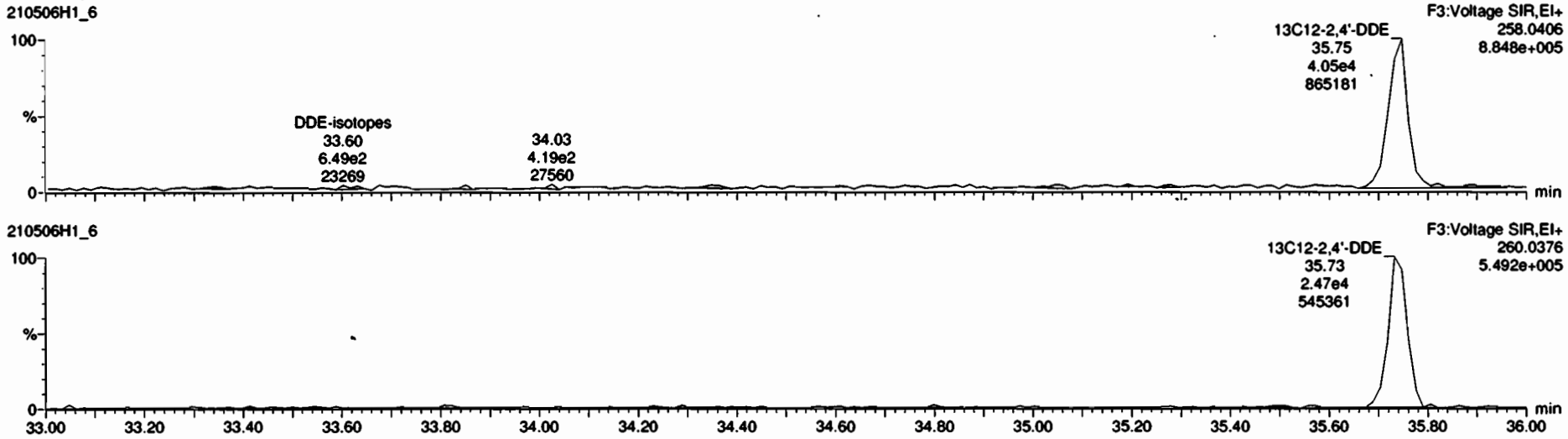

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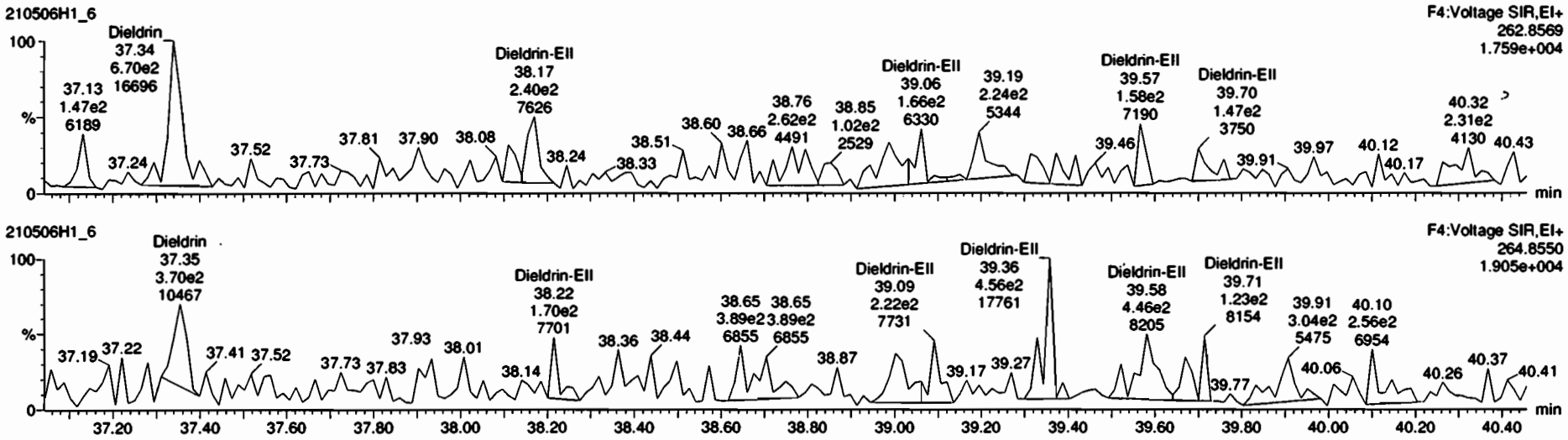
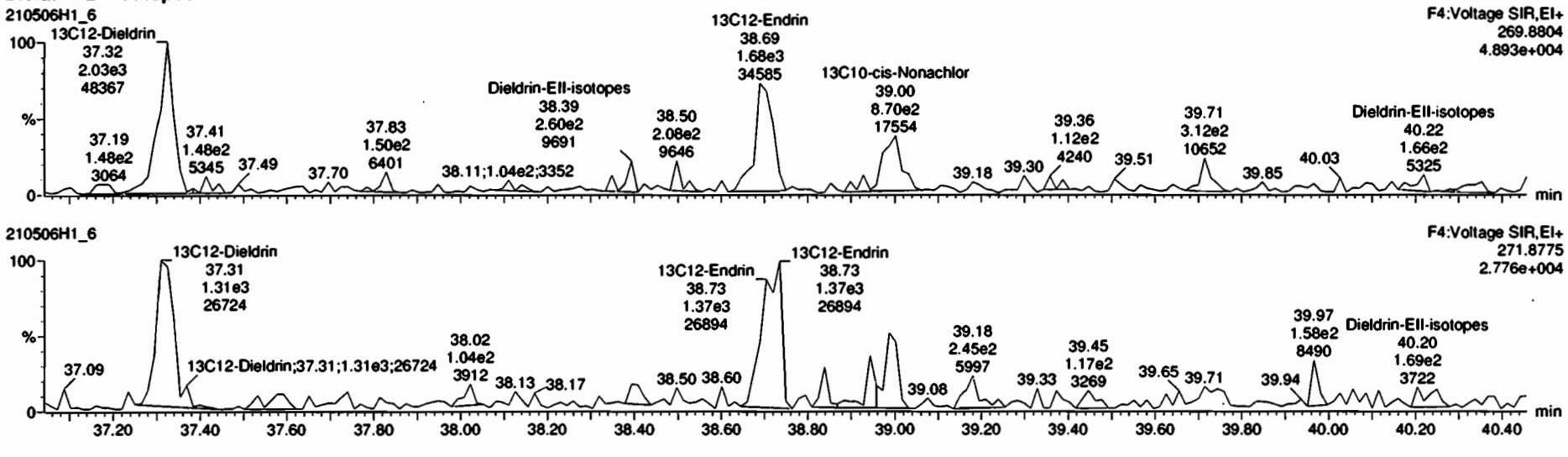
Dieldrin-EII



Dieldrin-EII-isotopes



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Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

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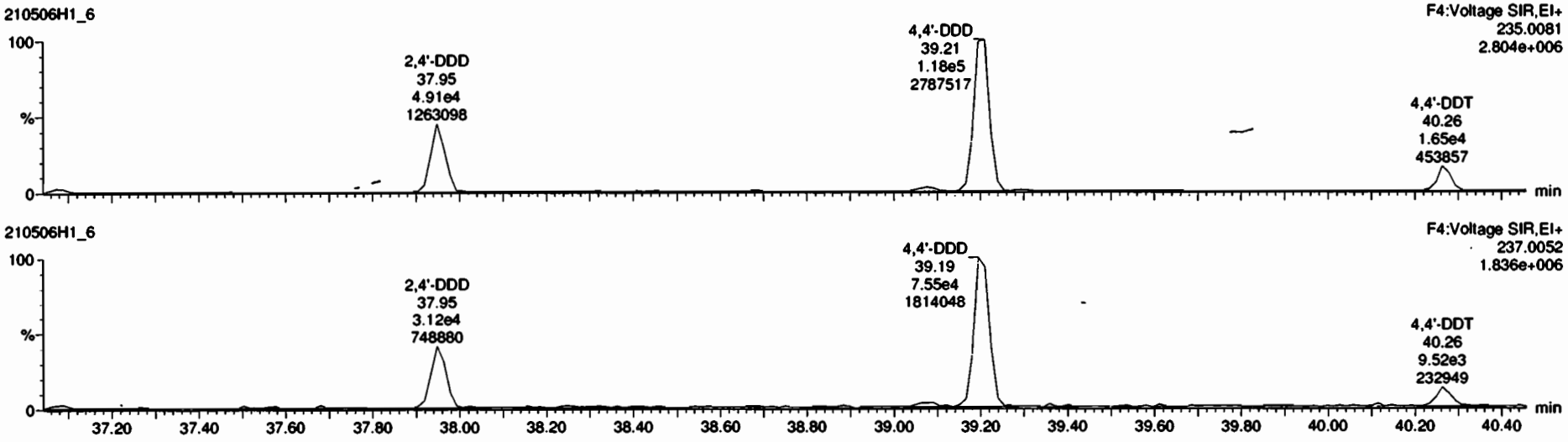
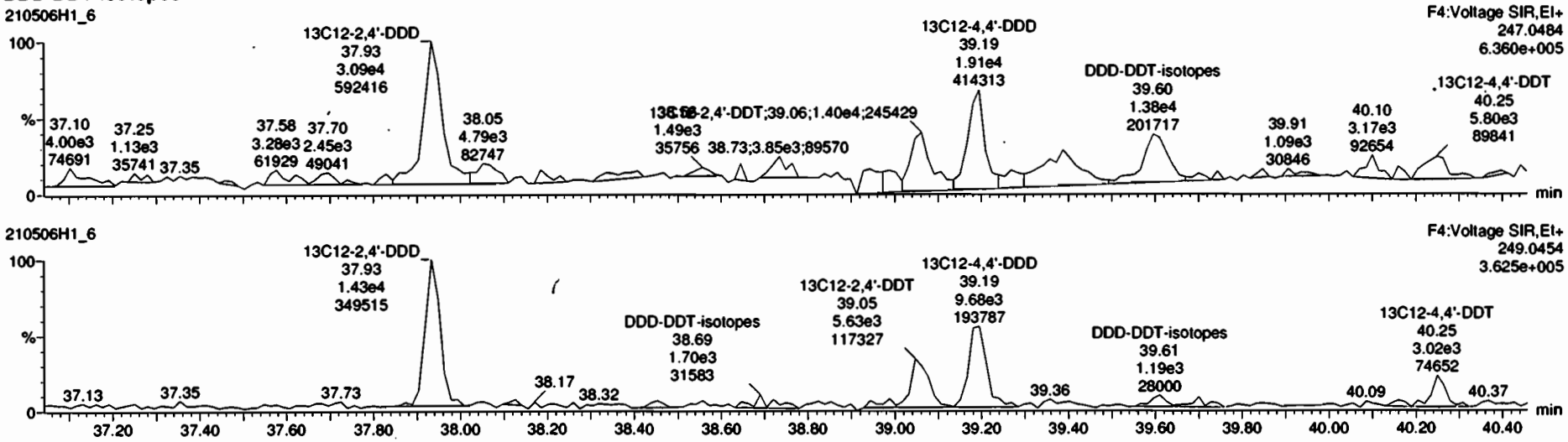
DDD-DDT



DDD-DDT-isotopes



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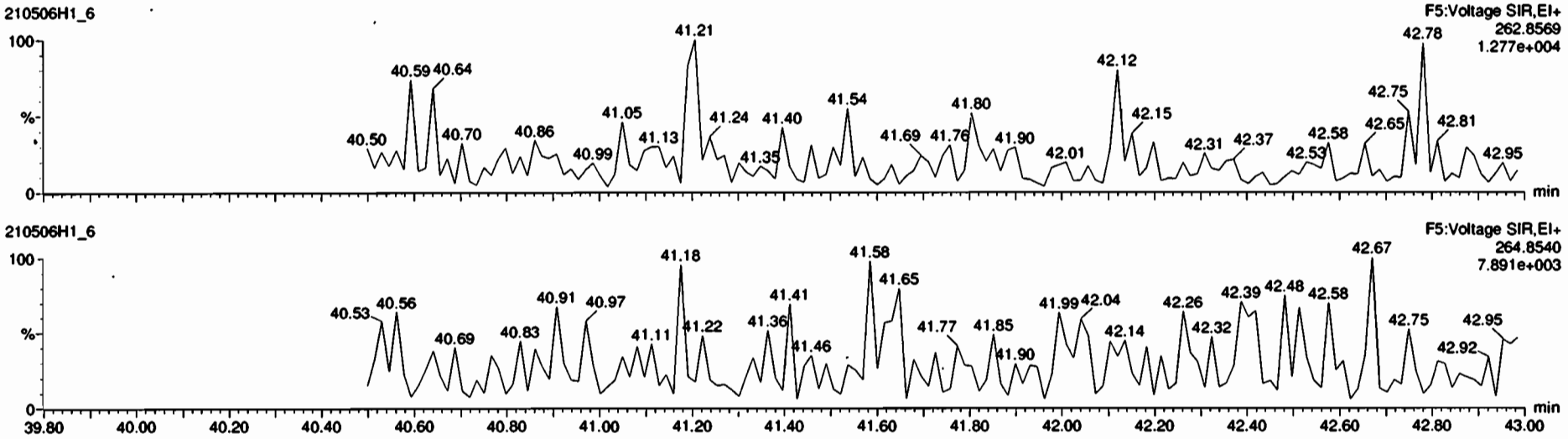
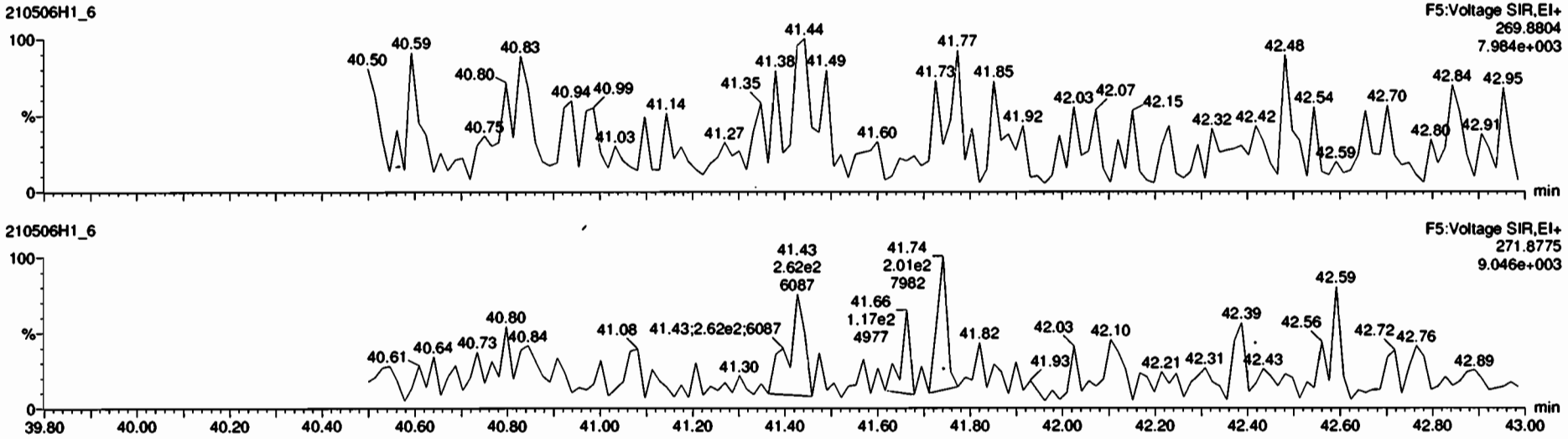
Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

Name: 210506H1_6, Date: 06-May-2021, Time: 14:30:55, ID: 2103216-11RE2@6X USMPDI-064RAB-00-10-210310 1.31, Description: USMPDI-064RAB-00-10-210310

Endosulfan Sulfate



13C9-Endosulfan Sulfate

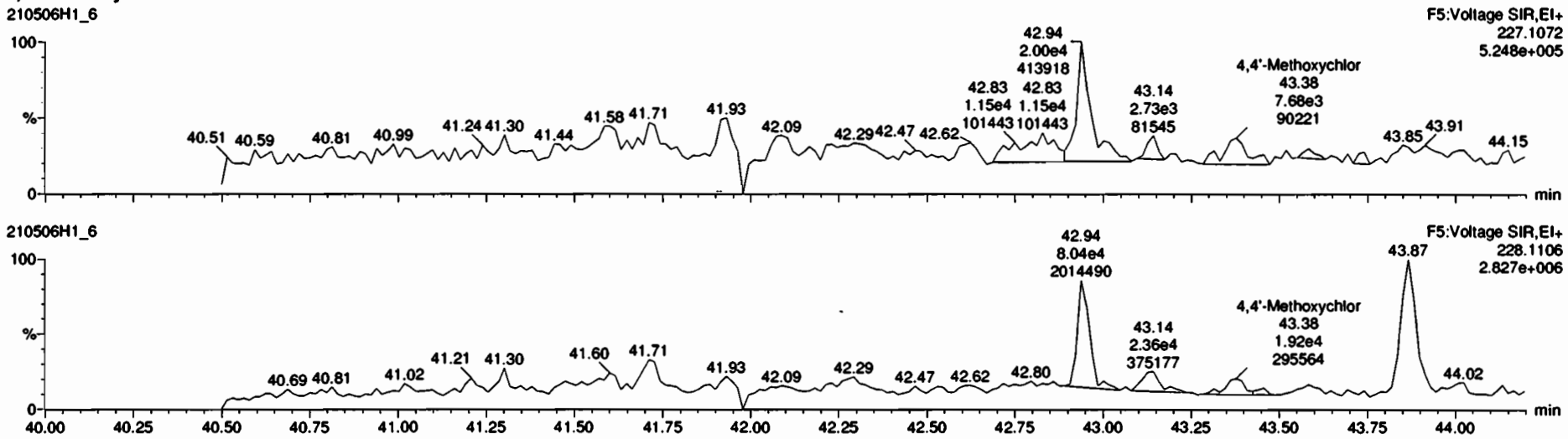


Dataset: Untitled

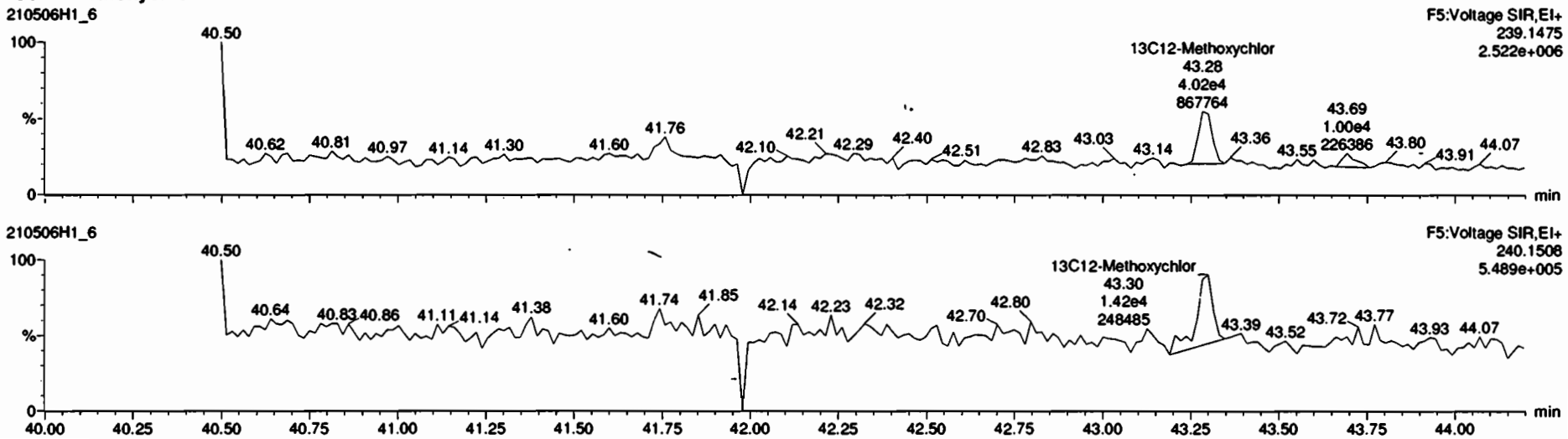
Last Altered: Thursday, May 06, 2021 3:23:45 PM Pacific Daylight Time
Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

Name: 210506H1_6, Date: 06-May-2021, Time: 14:30:55, ID: 2103216-11RE2@6X USMPDI-064RAB-00-10-210310 1.31, Description: USMPDI-064RAB-00-10-210310

4,4'-Methoxychlor



13C12-Methoxychlor

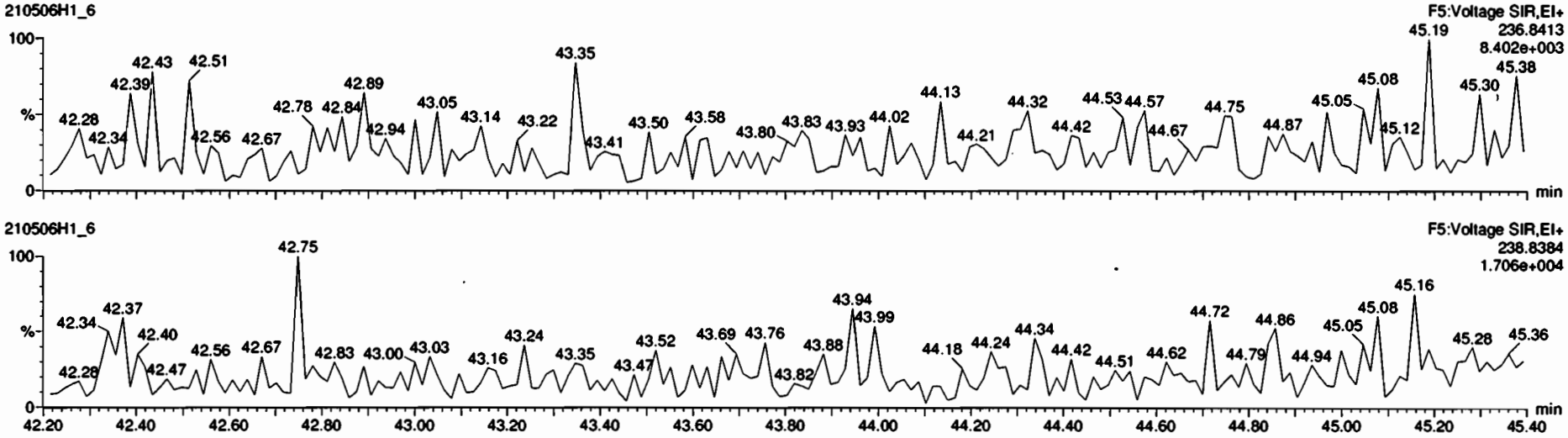


Dataset: Untitled

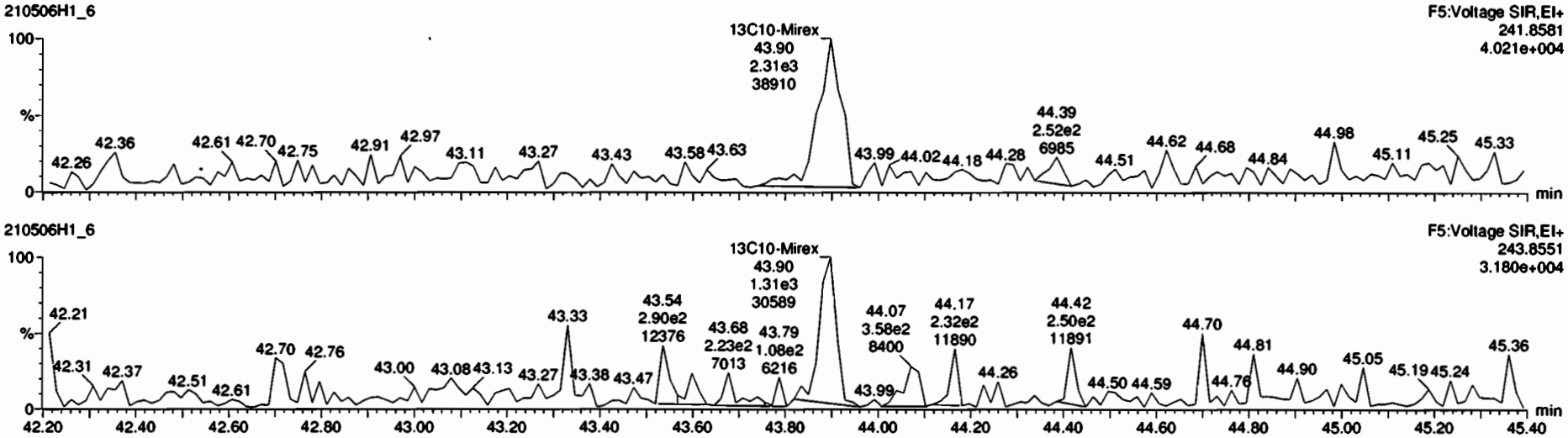
Last Altered: Thursday, May 06, 2021 3:23:45 PM Pacific Daylight Time
Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

Name: 210506H1_6, Date: 06-May-2021, Time: 14:30:55, ID: 2103216-11RE2@6X USMPDI-064RAB-00-10-210310 1.31, Description: USMPDI-064RAB-00-10-210310

Mirex



13C10-Mirex

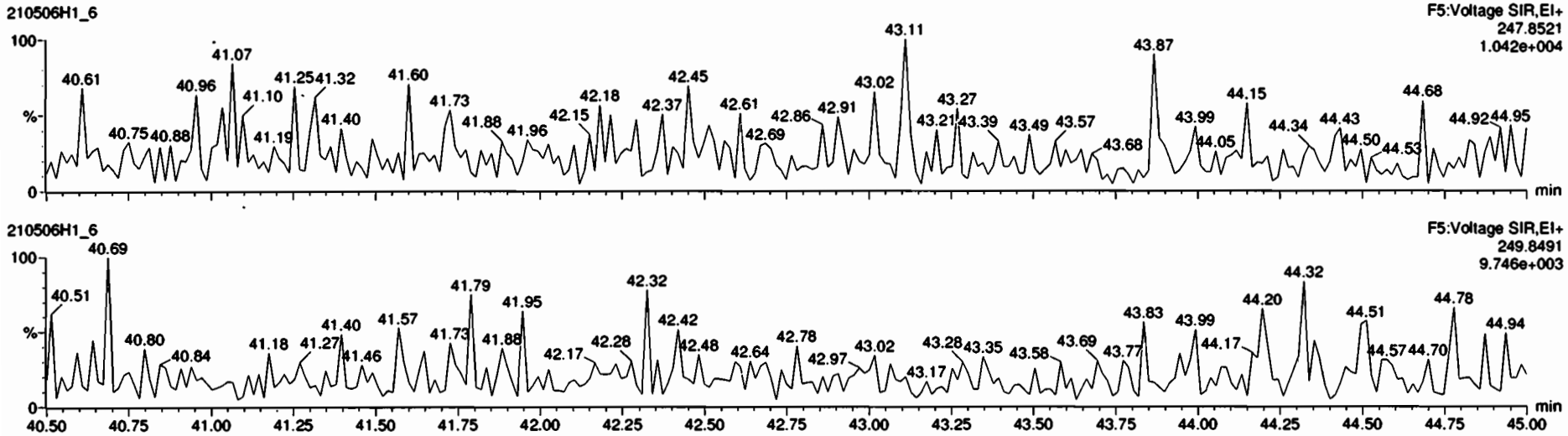


Dataset: Untitled

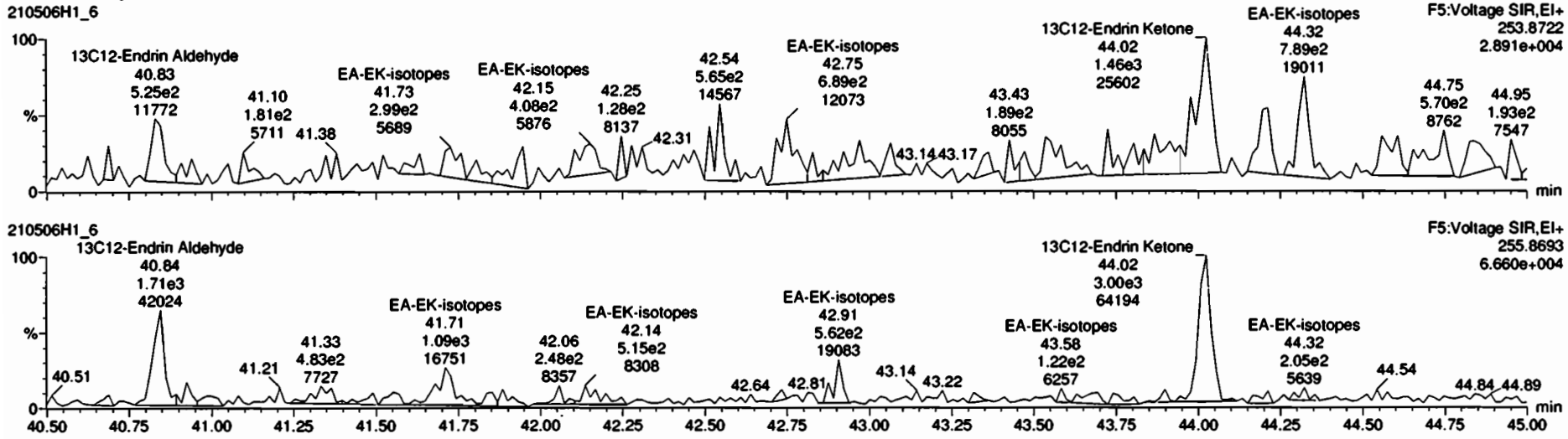
Last Altered: Thursday, May 06, 2021 3:23:45 PM Pacific Daylight Time
Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

Name: 210506H1_6, Date: 06-May-2021, Time: 14:30:55, ID: 2103216-11RE2@6X USMPDI-064RAB-00-10-210310 1.31, Description: USMPDI-064RAB-00-10-210310

EA-EK



EA-EK-isotopes

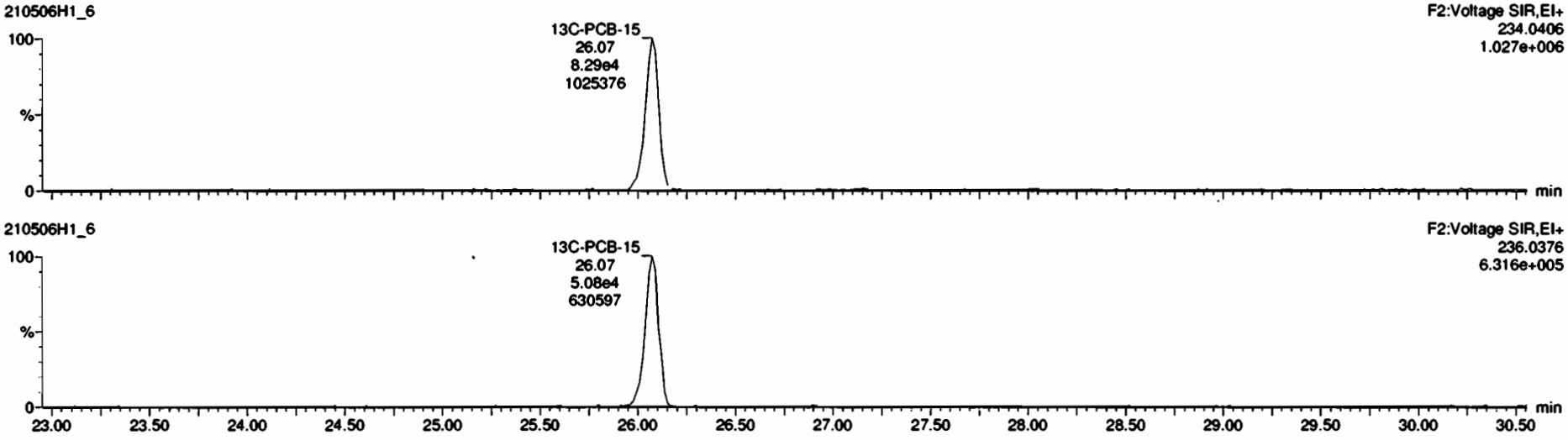


Dataset: Untitled

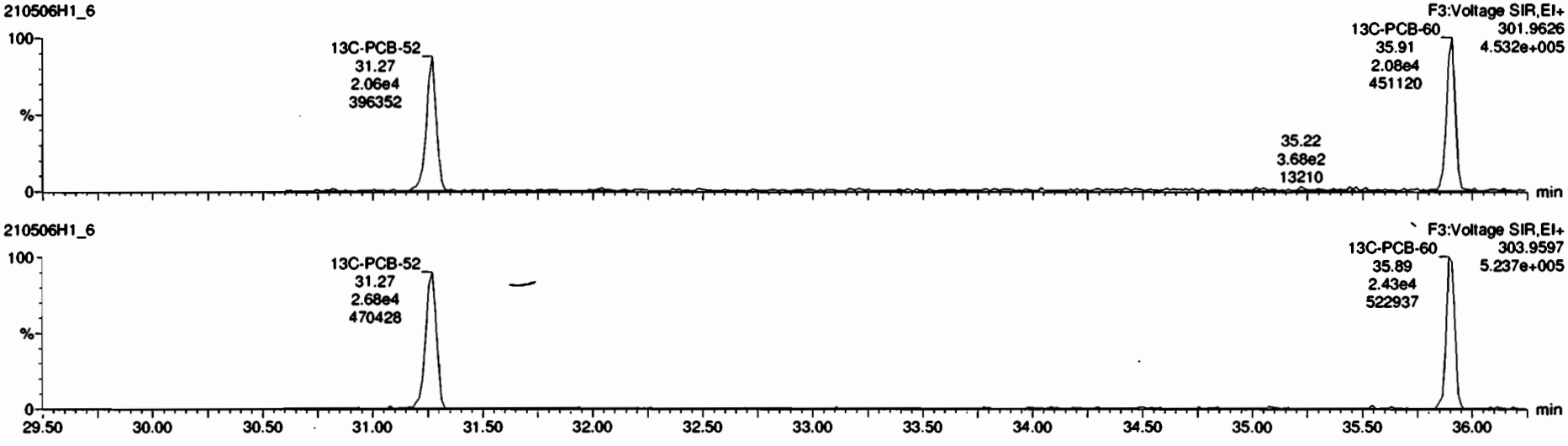
Last Altered: Thursday, May 06, 2021 3:23:45 PM Pacific Daylight Time
Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

Name: 210506H1_6, Date: 06-May-2021, Time: 14:30:55, ID: 2103216-11RE2@6X USMPDI-064RAB-00-10-210310 1.31, Description: USMPDI-064RAB-00-10-210310

13C-PCB-15



13C-PCB-60

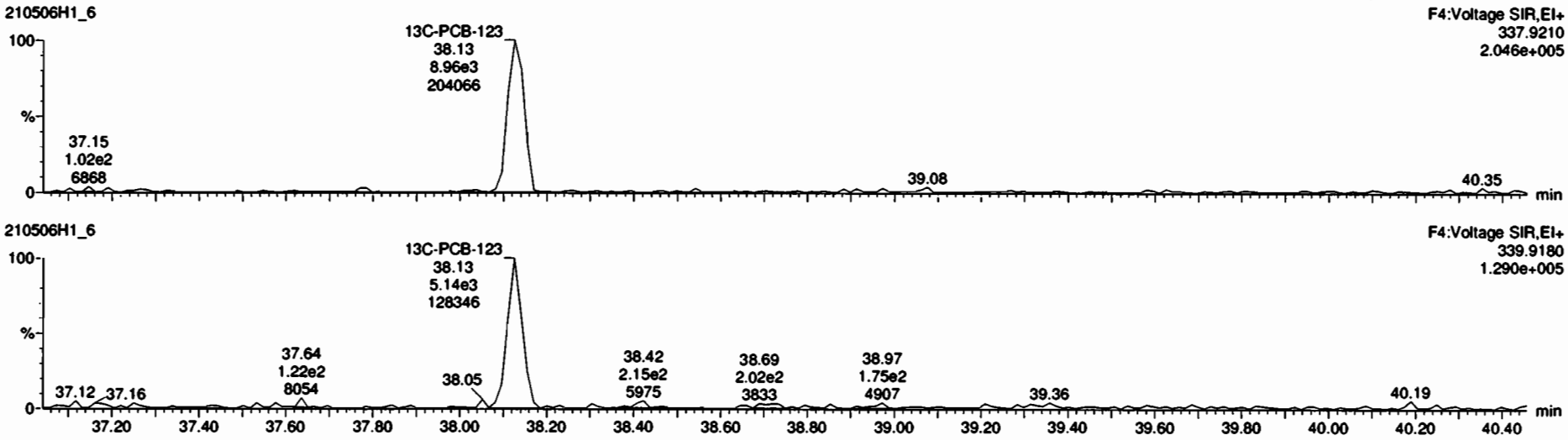


Dataset: Untitled

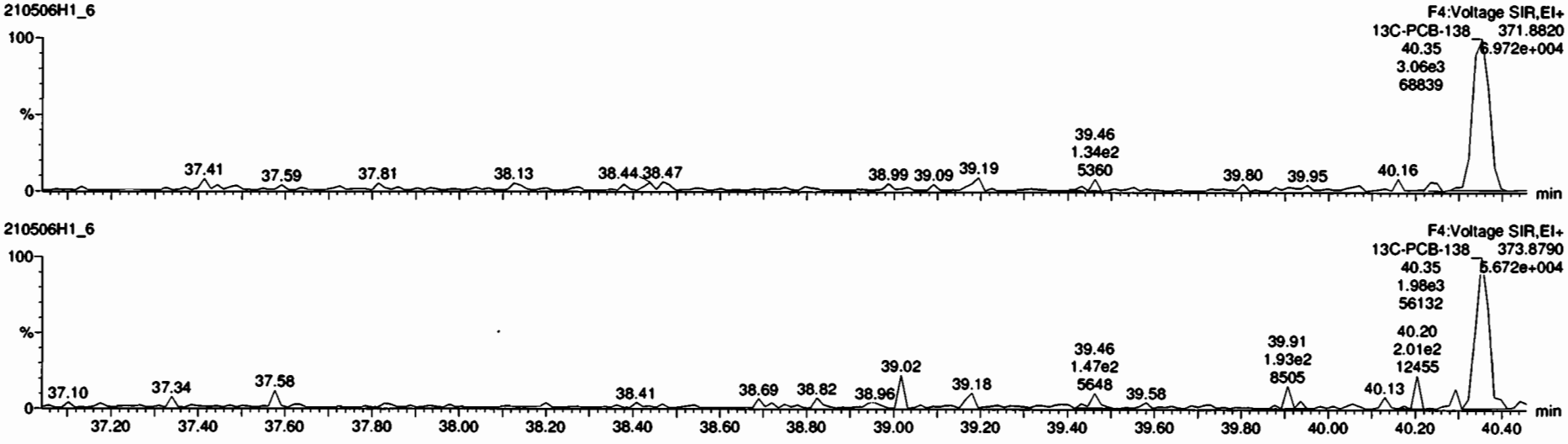
Last Altered: Thursday, May 06, 2021 3:23:45 PM Pacific Daylight Time
Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

Name: 210506H1_6, Date: 06-May-2021, Time: 14:30:55, ID: 2103216-11RE2@6X USMPDI-064RAB-00-10-210310 1.31, Description: USMPDI-064RAB-00-10-210310

13C-PCB-123



13C-PCB-138

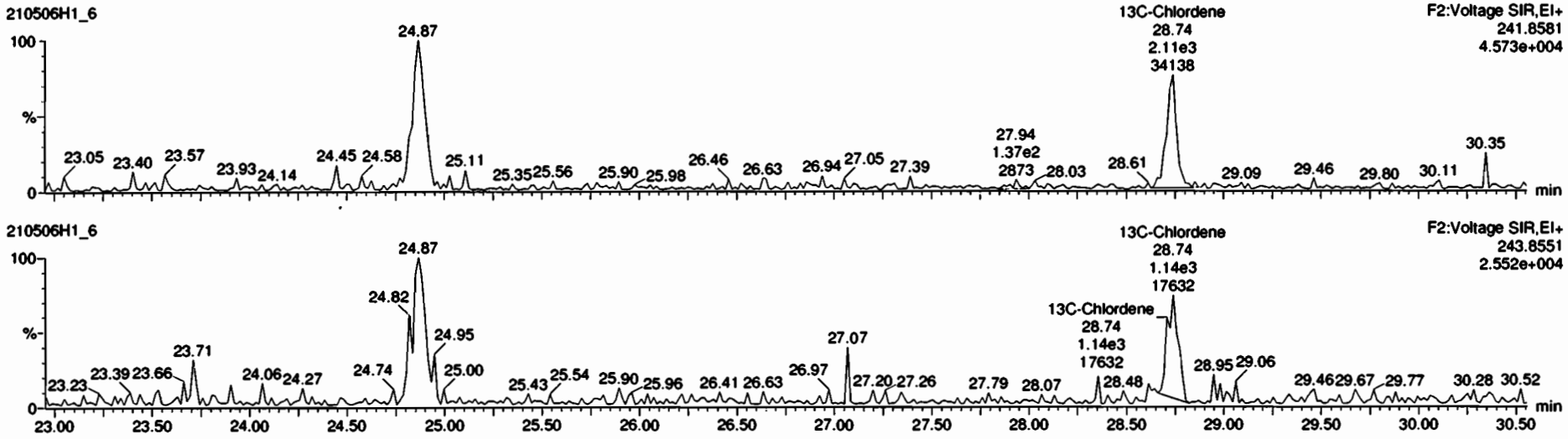


Dataset: Untitled

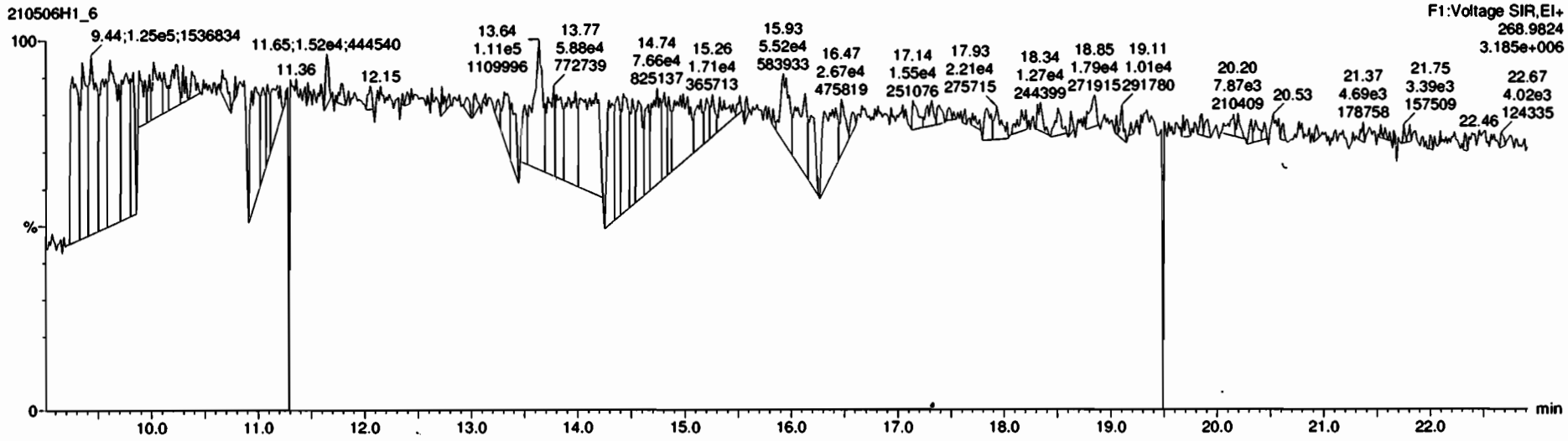
Last Altered: Thursday, May 06, 2021 3:23:45 PM Pacific Daylight Time
Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

Name: 210506H1_6, Date: 06-May-2021, Time: 14:30:55, ID: 2103216-11RE2@6X USMPDI-064RAB-00-10-210310 1.31, Description: USMPDI-064RAB-00-10-210310

13C-Chlordene



PFK1



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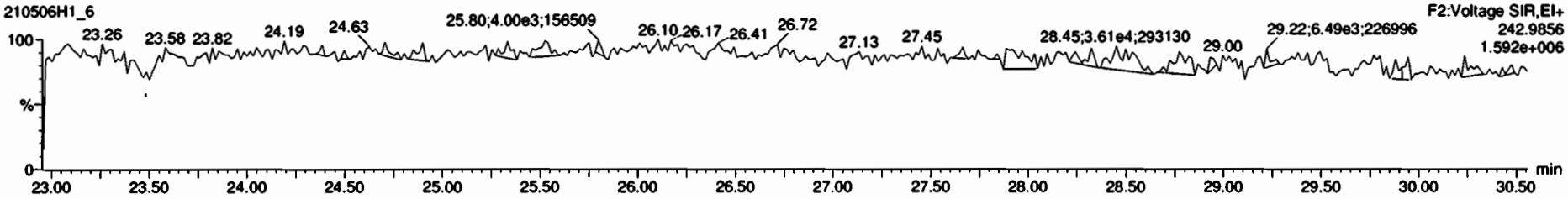
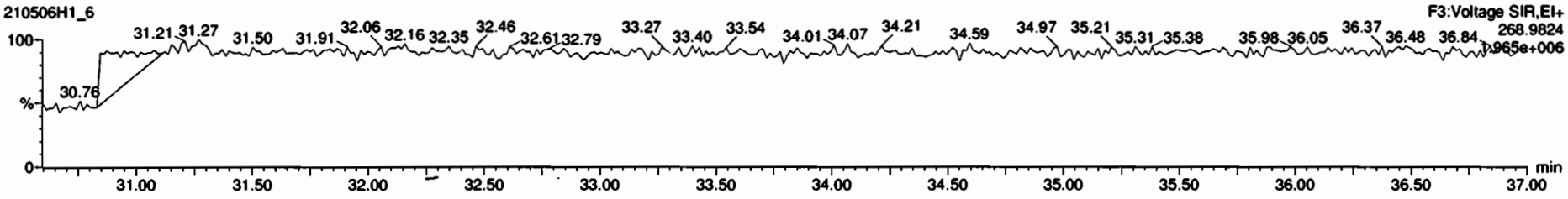
Last Altered: Thursday, May 06, 2021 3:23:45 PM Pacific Daylight Time
Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

Name: 210506H1_6, Date: 06-May-2021, Time: 14:30:55, ID: 2103216-11RE2@6X USMPDI-064RAB-00-10-210310 1.31, Description: USMPDI-064RAB-00-10-210310

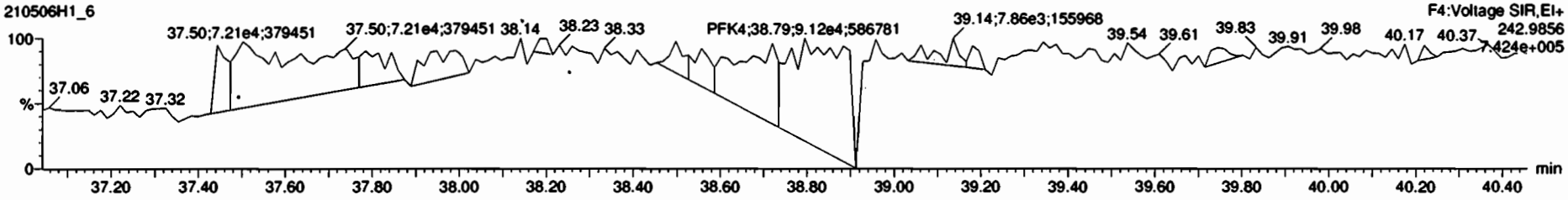
PFK2



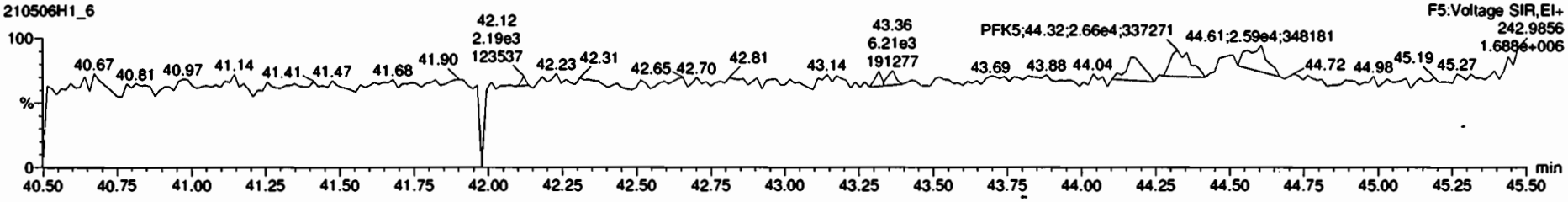
PFK3



PFK4



PFK5



Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210505H1\210505H1_8.qld

Last Altered: Thursday, May 06, 2021 10:48:02 Pacific Daylight Time
Printed: Thursday, May 06, 2021 10:48:50 Pacific Daylight Time

DF 05/07/21

C 05/07/2021

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210505H1_8, Date: 05-May-2021, Time: 14:53:47, ID: 2103216-12RE2 USMPDI-064RAB-10-20-210311 1.46, Description: USMPDI-064RAB-10-20-210311, Task: ST210505H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	4	Lindane (gamma-...		9.89e4		NO	0.847	1.036			1.000	YES			7.39	
2	9	Aldrin		1.08e4		NO	1.12	1.036			1.001	YES			32.1	
3	10	Oxychlordane		1.58e4		NO	1.11	1.036			1.001	YES			18.1	
4	13	trans-Chlordane (g...		1.28e4		NO	1.19	1.036			1.001	YES			20.0	
5	14	trans-Nonachlor		1.40e4		NO	1.09	1.036			1.000	YES			18.1	
6	15	cis-Chlordane		1.40e4		NO	1.20	1.036			1.016	YES			16.4	
7	18	2,4'-DDE	1.90e4	7.62e5	1.55	NO	1.01	1.036	35.76	1.000	1.000	NO	23.677		2.23	23.7
8	19	4,4'-DDE	9.92e4	4.58e5	1.43	NO	1.03	1.036	36.83	1.000	1.000	NO	202.12		3.56	202
9	20	Dieldrin		2.76e4		NO	1.05	1.036			1.001	YES			16.9	
10	22	cis-Nonachlor		1.07e4		NO	1.05	1.036			1.000	YES			44.6	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210505H1\210505H1_8.qld

Last Altered: Thursday, May 06, 2021 10:48:02 Pacific Daylight Time
Printed: Thursday, May 06, 2021 10:49:04 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210505H1_8, Date: 05-May-2021, Time: 14:53:47, ID: 2103216-12RE2 USMPDI-064RAB-10-20-210311 1.46, Description: USMPDI-064RAB-10-20-210311, Task: ST210505H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	24	2,4'-DDD	5.60e4	2.40e5	1.56	NO	1.03	1.036	37.96	1.000	1.000	NO	220.00		8.22	220
2	25	2,4'-DDT		6.05e4		NO	1.02	1.036			1.000	YES			27.2	
3	26	4,4'-DDD	1.45e5	1.28e5	1.47	NO	1.10	1.036	39.21	1.000	1.000	NO	992.43		12.1	992
4	27	4,4'-DDT		3.60e4		NO	1.11	1.036			1.001	YES			44.2	
5	36	13C6-Lindane (ga...	9.89e4	1.11e6	0.80	NO	0.190	1.036	26.59	1.020	1.019	NO	453.80	47.0	5.54	
6	40	13C12-Aldrin	1.08e4	1.11e6	1.52	NO	0.152	1.036	30.82	1.182	1.181	NO	61.690	6.39	4.87	
7	41	13C10-Oxychlorda...	1.58e4	1.11e6	1.61	NO	0.0441	1.036	33.40	1.281	1.280	NO	312.74	32.4	16.8	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210505H1\210505H1_8.qld

Last Altered: Thursday, May 06, 2021 10:48:02 Pacific Daylight Time
Printed: Thursday, May 06, 2021 10:49:40 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210505H1_8, Date: 05-May-2021, Time: 14:53:47, ID: 2103216-12RE2 USMPDI-064RAB-10-20-210311 1.46, Description: USMPDI-064RAB-10-20-210311, Task: ST210505H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred RRT	CheckRRT	Conc	%Rec	DL	EMPC
1	43	13C10-trans-Chlor...	1.28e4	1.11e6	1.34	NO	0.0390	1.036	35.09	1.346	1.344	NO	285.73	29.6	19.0	
2	44	13C10-trans-Nona...	1.40e4	4.44e5	1.44	NO	0.0772	1.036	35.28	0.983	0.983	NO	393.54	40.8	13.1	
3	46	13C12-2,4'-DDE	7.62e5	4.44e5	1.57	NO	1.84	1.036	35.75	0.996	0.995	NO	900.44	93.3	1.87	
4	47	13C12-4,4'-DDE	4.58e5	4.44e5	1.60	NO	1.31	1.036	36.81	1.025	1.026	NO	762.67	79.0	2.63	
5	48	13C12-Dieldrin	2.76e4	4.44e5	1.70	NO	0.177	1.036	37.33	1.039	1.040	NO	338.19	35.0	9.71	
6	50	13C10-cis-Nonach...	1.07e4	4.44e5	1.27	NO	0.0908	1.036	38.99	1.086	1.087	NO	256.36	26.6	19.0	
7	52	13C12-2,4'-DDD	2.40e5	4.44e5	1.61	NO	1.21	1.036	37.95	1.057	1.057	NO	428.91	44.5	4.16	
8	53	13C12-2,4'-DDT	6.05e4	4.44e5	1.47	NO	0.662	1.036	39.06	1.088	1.089	NO	198.72	20.6	7.63	
9	54	13C12-4,4'-DDD	1.28e5	4.44e5	1.60	NO	0.950	1.036	39.19	1.092	1.092	NO	293.44	30.4	5.32	
10	55	13C12-4,4'-DDT	3.60e4	4.44e5	1.53	NO	0.455	1.036	40.25	1.121	1.122	NO	172.15	17.8	11.1	
11	62	13C-PCB-15	1.11e6	1.11e6	1.55	NO	1.00	1.036	26.07	1.000	1.000	NO	964.89	100	0.877	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210505H1\210505H1_8.qld

Last Altered: Thursday, May 06, 2021 10:48:02 Pacific Daylight Time
Printed: Thursday, May 06, 2021 10:49:44 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210505H1_8, Date: 05-May-2021, Time: 14:53:47, ID: 2103216-12RE2 USMPDI-064RAB-10-20-210311 1.46, Description: USMPDI-064RAB-10-20-210311, Task: ST210505H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	63	13C-PCB-60	4.44e5	4.44e5	0.83	NO	1.00	1.036	35.91	1.000	1.000	NO	964.89	100	2.00	

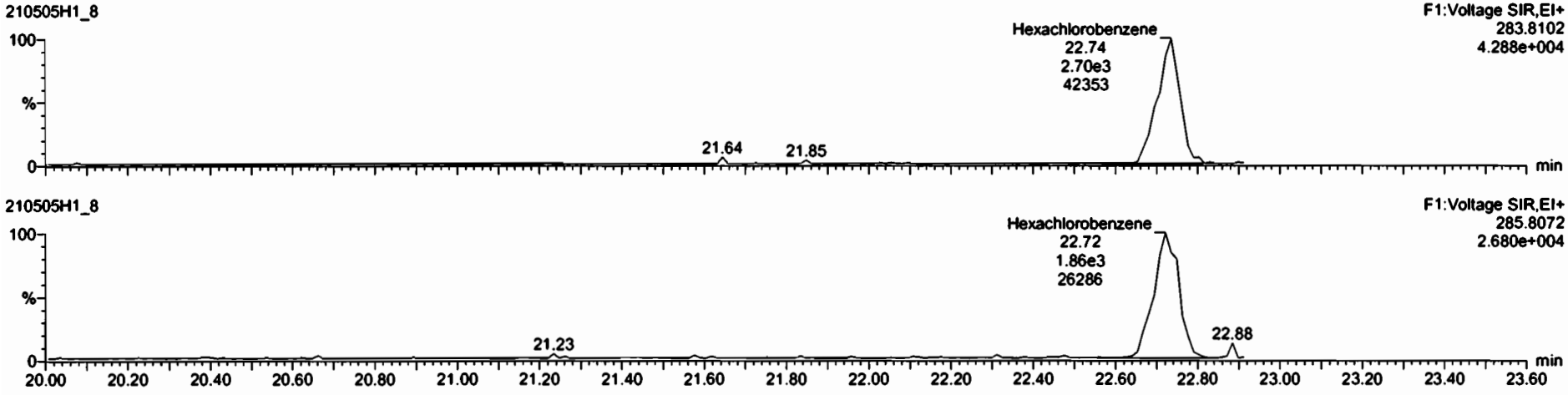
Dataset: U:\vg10.PRO\Results\210505H1\210505H1_8.qld

Last Altered: Wednesday, May 05, 2021 4:27:14 PM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:31:33 PM Pacific Daylight Time

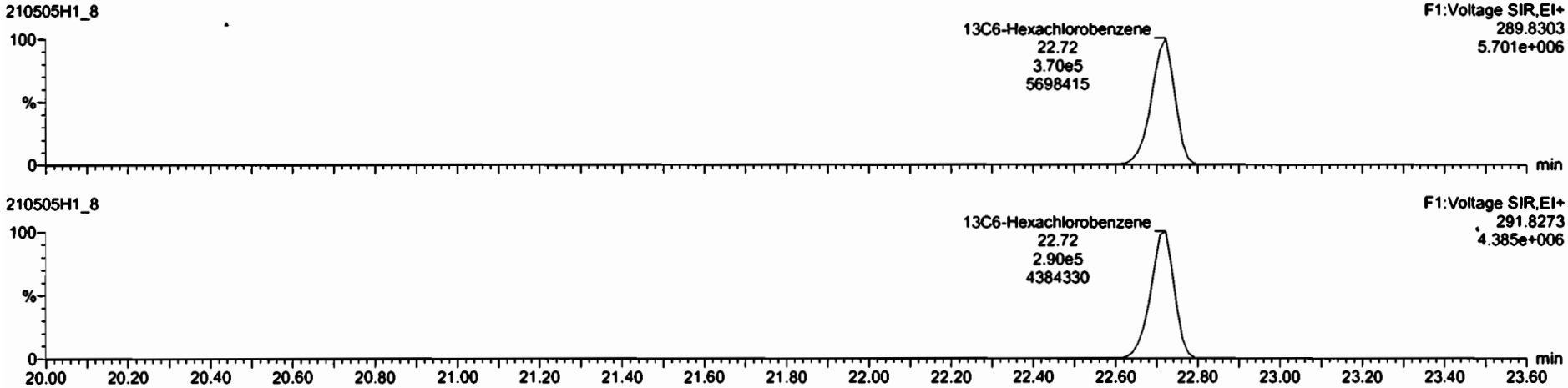
Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210505H1_8, Date: 05-May-2021, Time: 14:53:47, ID: 2103216-12RE2 USMPDI-064RAB-10-20-210311 1.46, Description: USMPDI-064RAB-10-20-210311

Hexachlorobenzene



13C6-Hexachlorobenzene

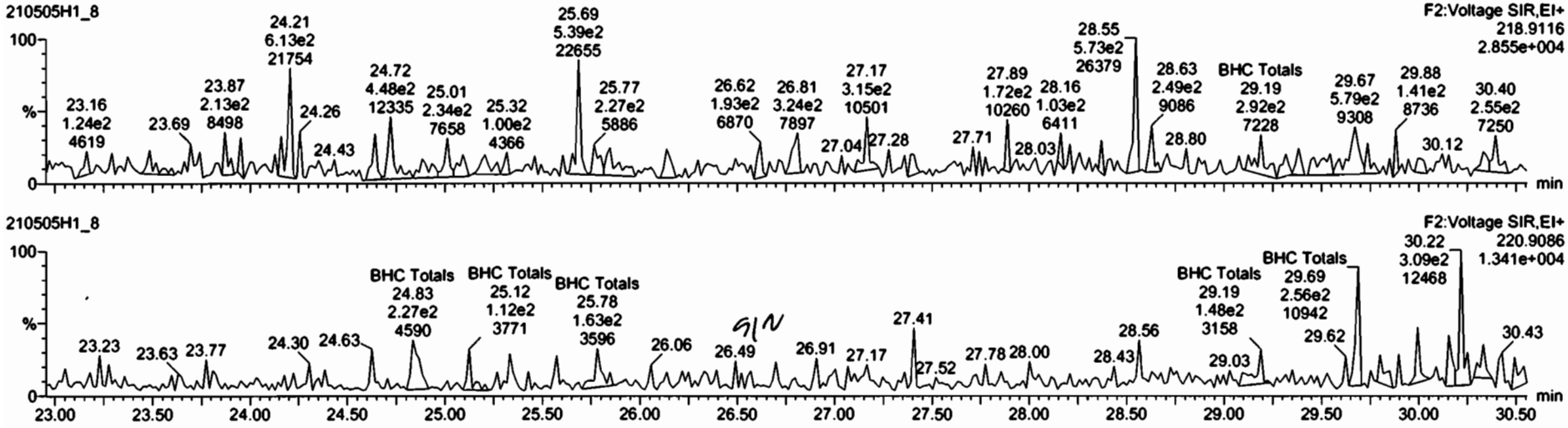


Dataset: U:\vg10.PRO\Results\210505H1\210505H1_8.qld

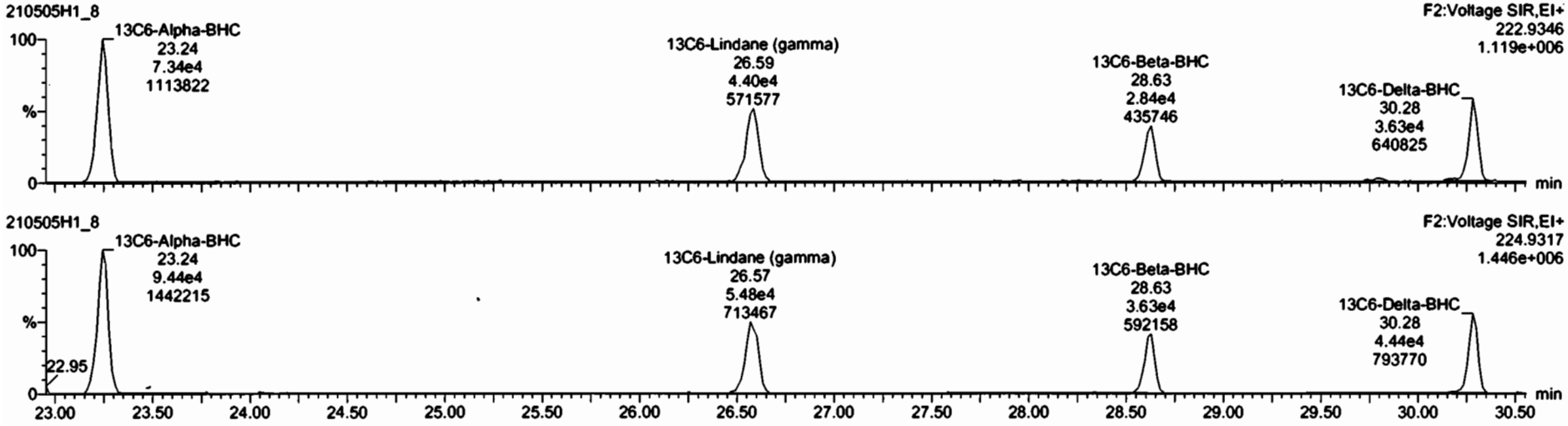
Last Altered: Wednesday, May 05, 2021 4:27:14 PM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:31:33 PM Pacific Daylight Time

Name: 210505H1_8, Date: 05-May-2021, Time: 14:53:47, ID: 2103216-12RE2 USMPDI-064RAB-10-20-210311 1.46, Description: USMPDI-064RAB-10-20-210311

BHC Totals



BHC-isotopes

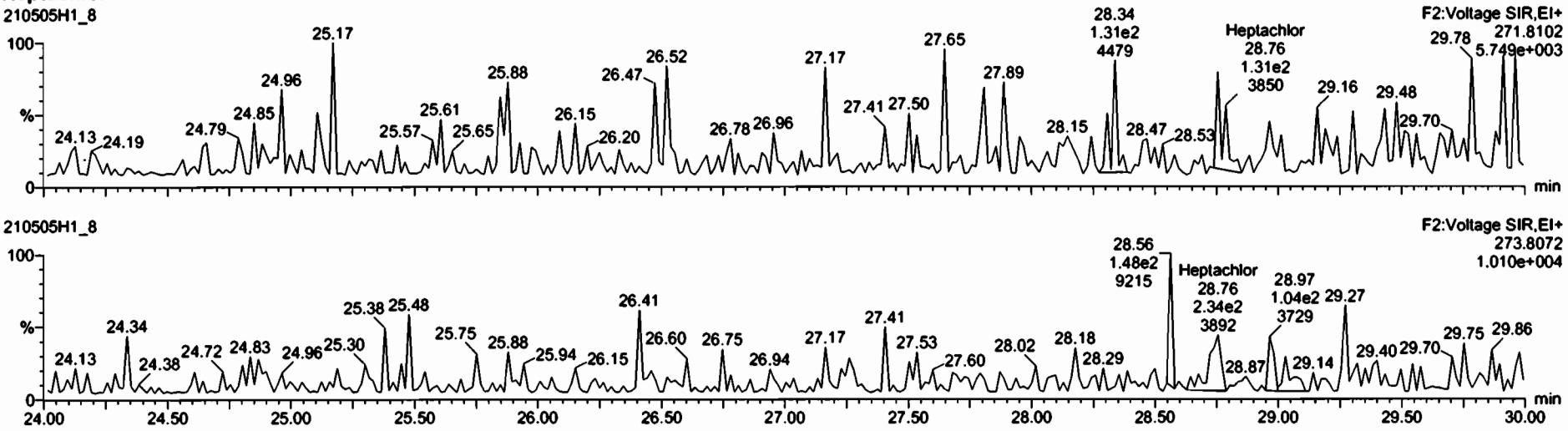


Dataset: U:\vg10.PRO\Results\210505H1\210505H1_8.qld

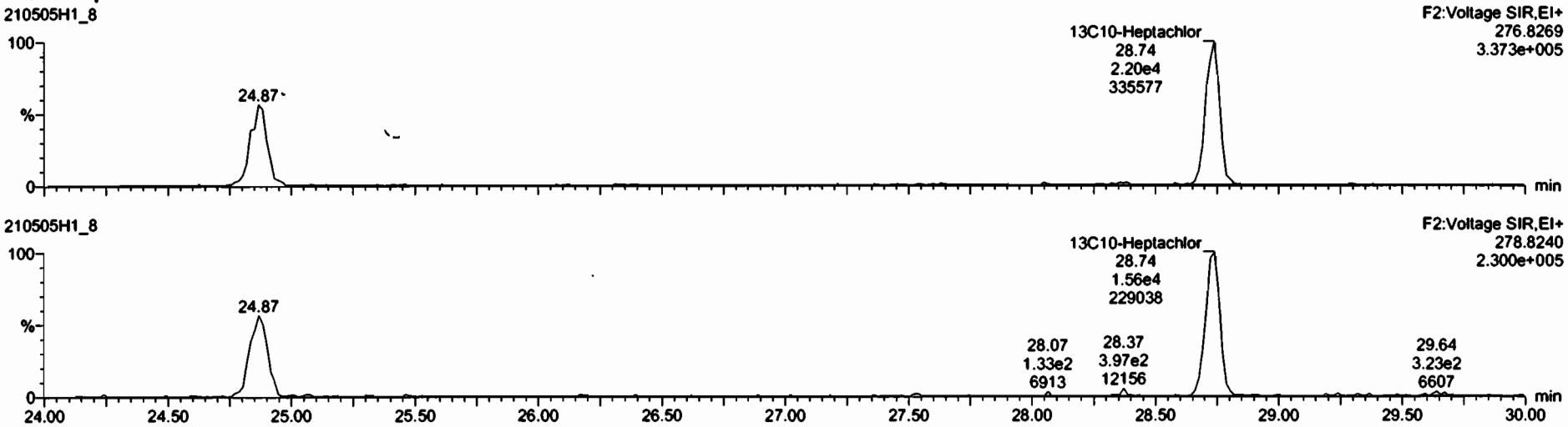
Last Altered: Wednesday, May 05, 2021 4:27:14 PM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:31:33 PM Pacific Daylight Time

Name: 210505H1_8, Date: 05-May-2021, Time: 14:53:47, ID: 2103216-12RE2 USMPDI-064RAB-10-20-210311 1.46, Description: USMPDI-064RAB-10-20-210311

Heptachlor



13C10-Heptachlor

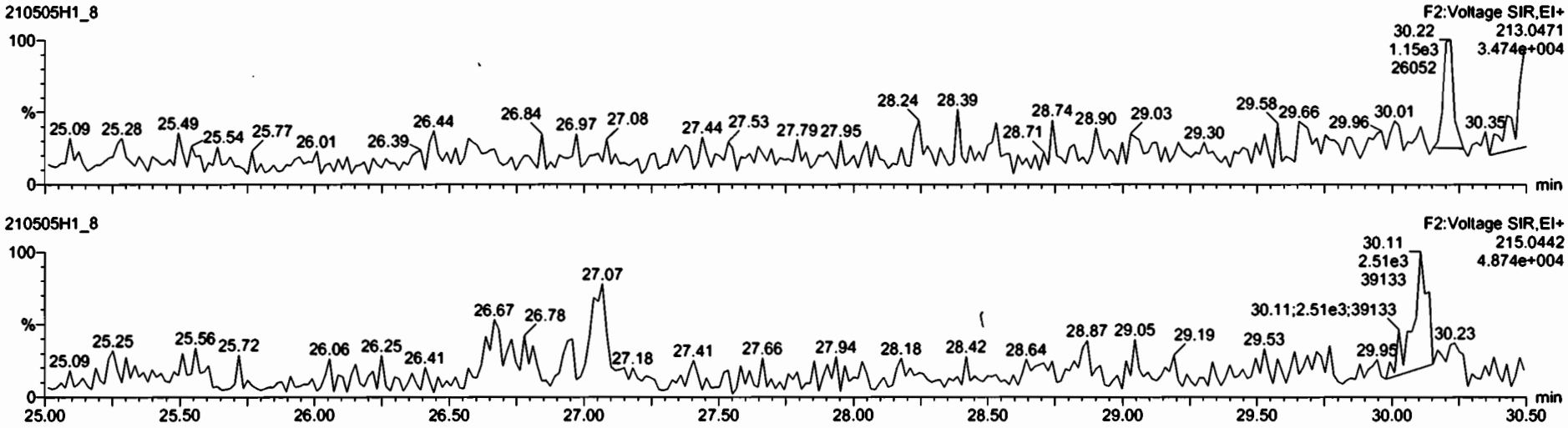


Dataset: U:\vg10.PRO\Results\210505H1\210505H1_8.qld

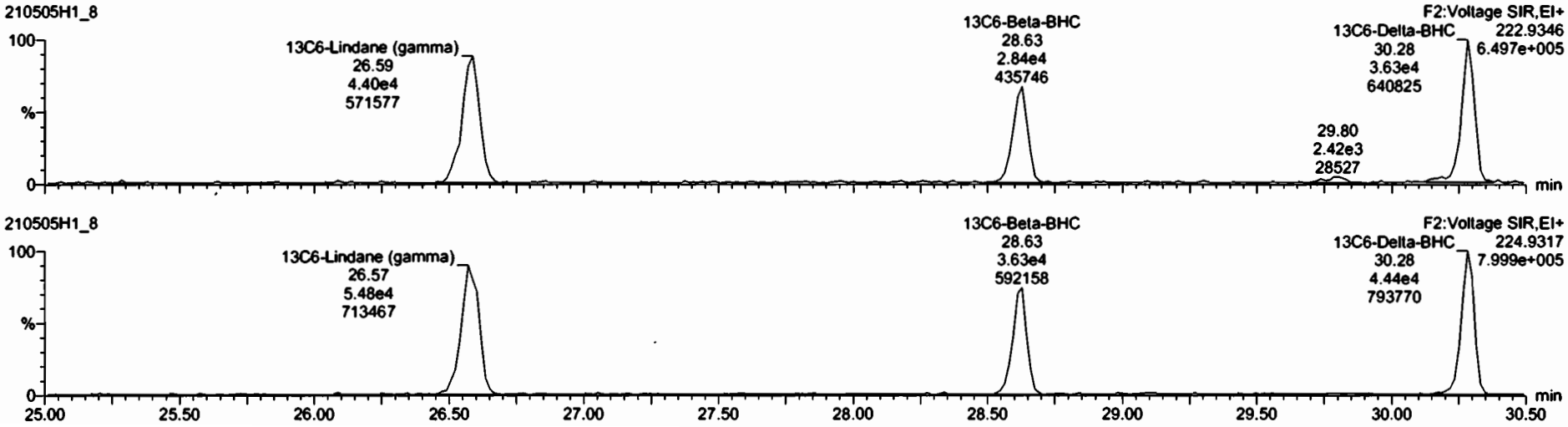
Last Altered: Wednesday, May 05, 2021 4:27:14 PM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:31:33 PM Pacific Daylight Time

Name: 210505H1_8, Date: 05-May-2021, Time: 14:53:47, ID: 2103216-12RE2 USMPDI-064RAB-10-20-210311 1.46, Description: USMPDI-064RAB-10-20-210311

4,4'-DDNU



13C6-Delta-BHC

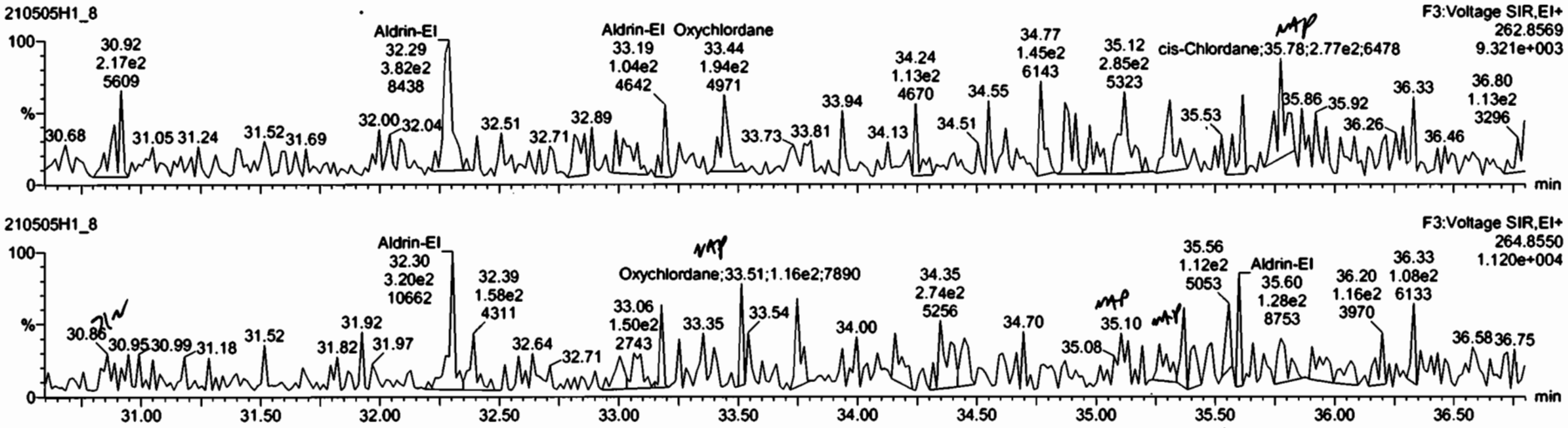


Dataset: U:\vg10.PRO\Results\210505H1\210505H1_8.qld

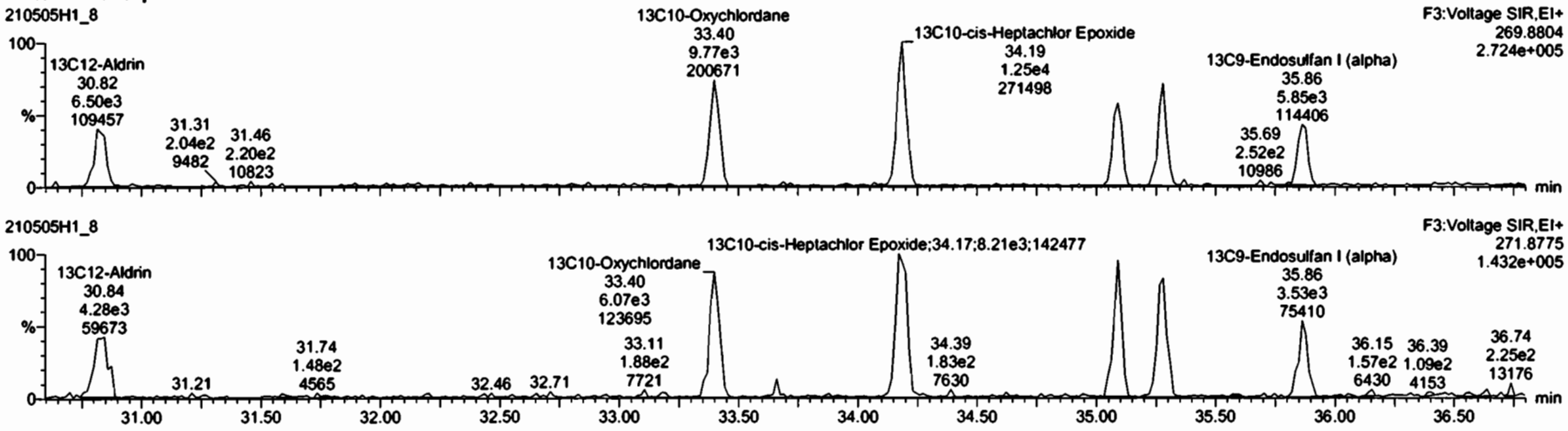
Last Altered: Wednesday, May 05, 2021 4:27:14 PM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:31:33 PM Pacific Daylight Time

Name: 210505H1_8, Date: 05-May-2021, Time: 14:53:47, ID: 2103216-12RE2 USMPDI-064RAB-10-20-210311 1.46, Description: USMPDI-064RAB-10-20-210311

Aldrin-EI



Aldrin-EI-isotopes



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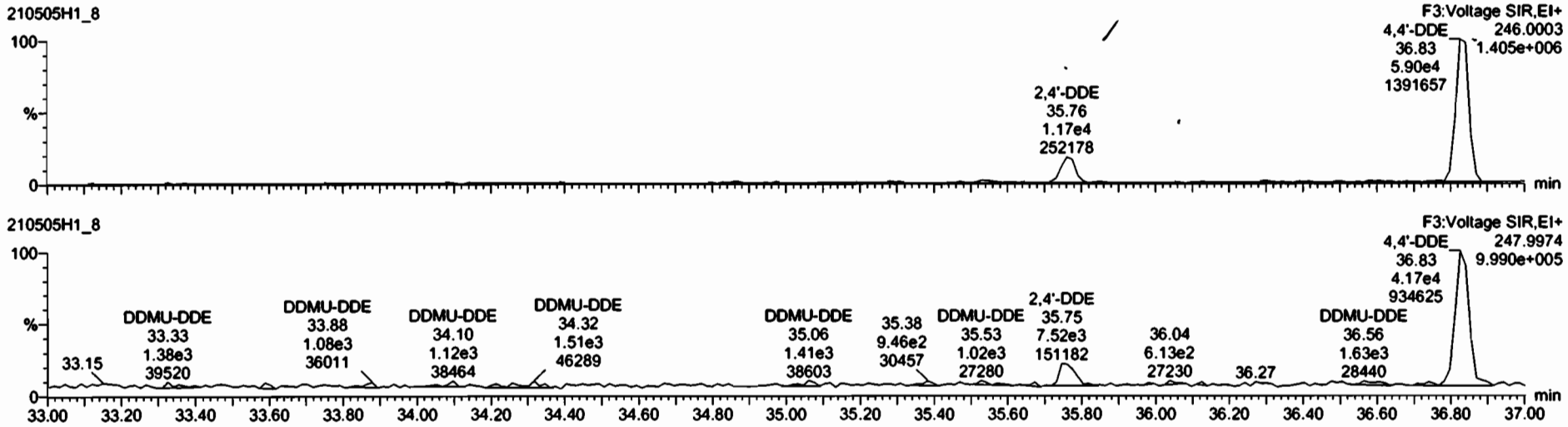
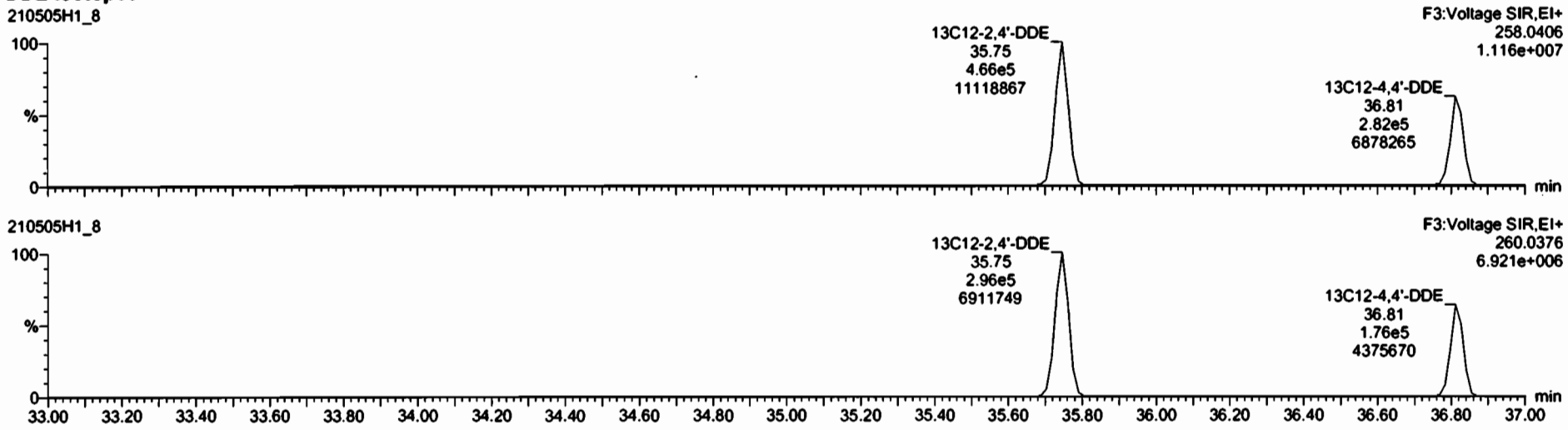
Last Altered: Wednesday, May 05, 2021 4:27:14 PM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:31:33 PM Pacific Daylight Time

Name: 210505H1_8, Date: 05-May-2021, Time: 14:53:47, ID: 2103216-12RE2 USMPDI-064RAB-10-20-210311 1.46, Description: USMPDI-064RAB-10-20-210311

DDMU-DDE



DDE-isotopes

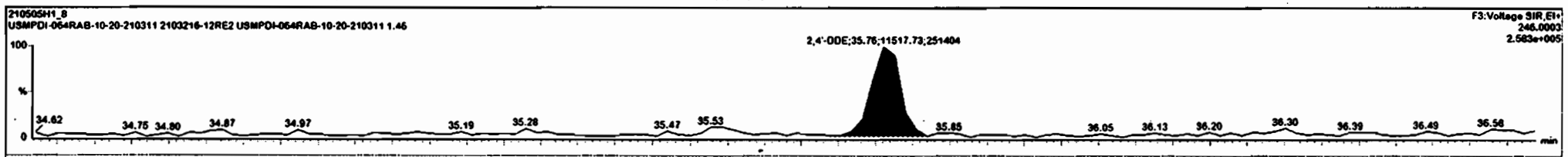


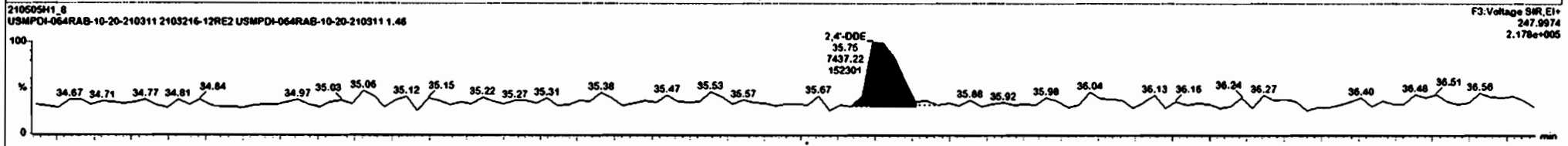
TargetLynx - 210505H1_8.qld * - [Chromatogram]

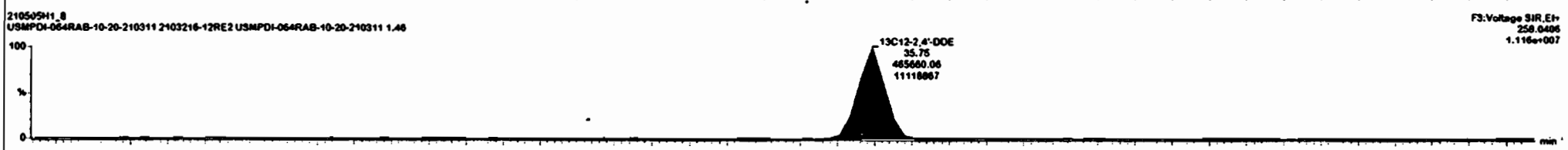
File Edit View Display Processing Window Help

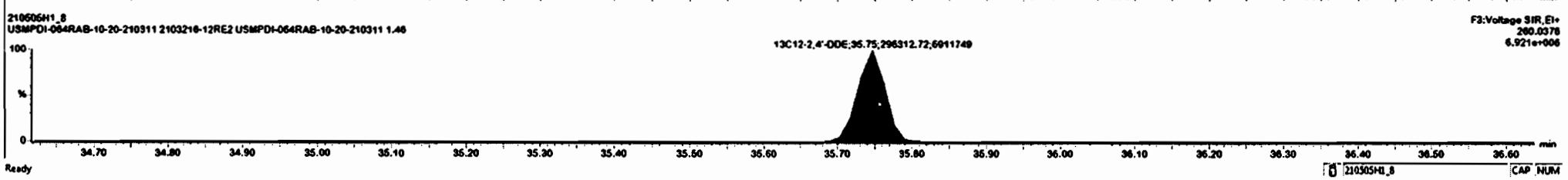
210505H1_8 - 2103216-12RE2 USMPDI-064RAB-10-20-210311 1.46 - USMPDI-064RAB-10-20-210311

	#	Name	Resp	IS AREA	RA	A/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
11	11	cis-Heptachlor Epoxide		2.07e4		NO	1.13	1.0364		34.22		1.001	YES			12.8	
12	12	trans-Heptachlor Epoxide		2.07e4		NO	0.27	1.0364		34.73		1.016	YES			53.0	
13	13	trans-Chlordane (gamma)		1.28e4		NO	1.19	1.0364		35.13		1.001	YES			20.0	
14	14	trans-Nonachlor		1.40e4		NO	1.09	1.0364		35.28		1.000	YES			18.1	
15	15	cis-Chlordane		1.40e4		NO	1.20	1.0364		35.63		1.016	YES			16.4	
16	16	Endosulfan I (alpha)		9.36e3		NO	1.21	1.0364		35.90		1.001	YES			29.2	
17	17	4,4'-DDMU	6.24e3	7.62e5	2.97	NO		1.0364	35.54	35.53	0.994	0.994	NO	19.25		3.43	19.3
18	18	2,4'-DDE	1.90e4	7.62e5	1.55	NO	1.01	1.0364	35.76	35.75	1.000	1.000	NO	23.66	-	2.23	23.7
19	19	4,4'-DDE	1.01e5	4.56e5	1.41	NO	1.03	1.0364	36.82	36.81	1.000	1.000	NO	205.1		3.58	205









Ready

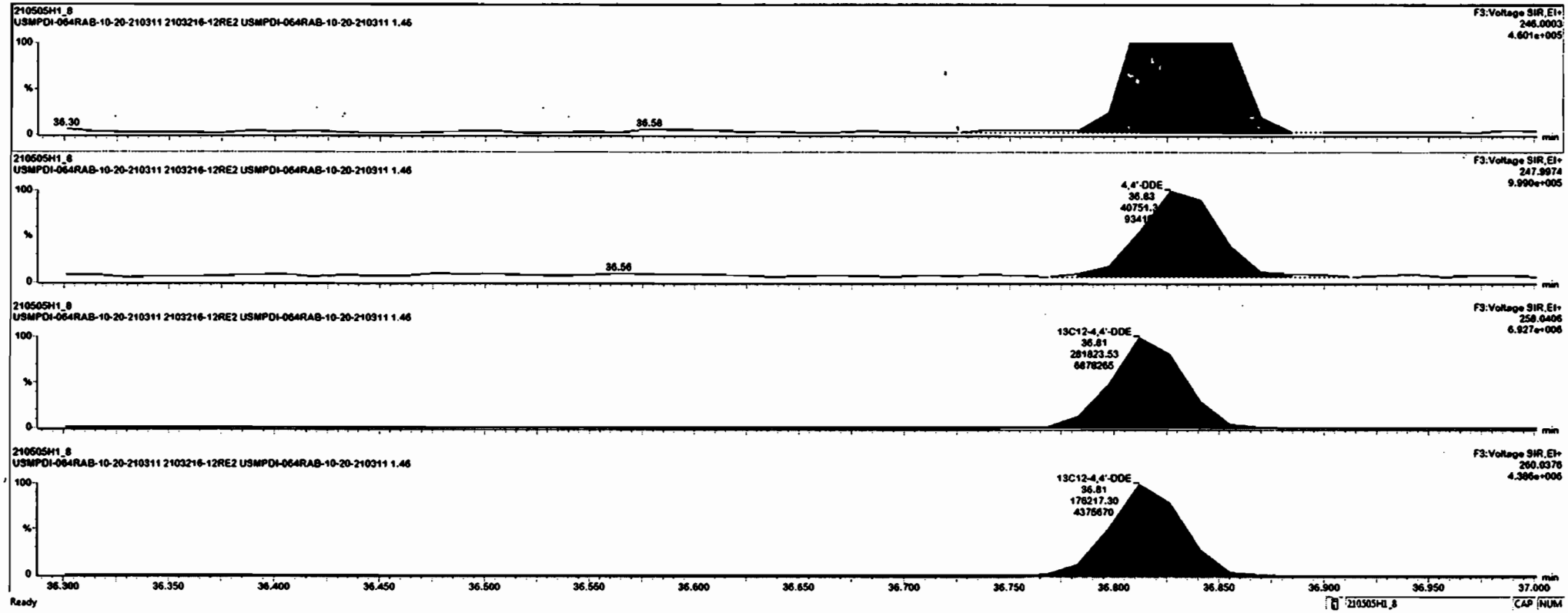
210505H1_8 CAP NUM

TargetLynx - 210505H1_8.qld * - [Chromatogram]

File Edit View Display Processing Window Help

210505H1_8 - 2103216-12RE2 USMPDI-064RAB-10-20-210311 1.46 - USMPDI-064RAB-10-20-210311

	#	Name	Resp	S AREA	RA	a/y	RRF	wt/vol	RT	Pred RT	ART	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
11	11	cis-Heptachlor Epoxide		2.07e4		NO	1.13	1.0364		34.22		1.001	YES			12.8	
12	12	trans-Heptachlor Epoxide		2.07e4		NO	0.27	1.0364		34.73		1.016	YES			53.0	
13	13	trans-Chlordane (gamma)		1.26e4		NO	1.19	1.0364		35.13		1.001	YES			20.0	
14	14	trans-Nonachlor		1.40e4		NO	1.06	1.0364		35.28		1.000	YES			16.1	
15	15	cis-Chlordane		1.40e4		NO	1.20	1.0364		35.63		1.016	YES			16.4	
16	16	Endosulfan I (alpha)		9.38e3		NO	1.21	1.0364		35.90		1.001	YES			29.2	
17	17	4,4'-DDMU	6.24e3	7.62e5	2.97	NO		1.0364	35.54	35.53	0.994	0.994	NO	19.25		3.43	19.3
18	18	2,4'-DDE	1.90e4	7.62e5	1.55	NO	1.01	1.0364	35.76	35.75	1.000	1.000	NO	23.65		2.23	23.7
19	19	4,4'-DDE	9.92e4	4.58e5	1.43	NO	1.03	1.0364	36.83	36.81	1.000	1.000	NO	202.1		3.56	202



Ready

210505H1_8 CAP NUM

Dataset: U:\vg10.PRO\Results\210505H1\210505H1_8.qld

Last Altered: Wednesday, May 05, 2021 4:27:14 PM Pacific Daylight Time
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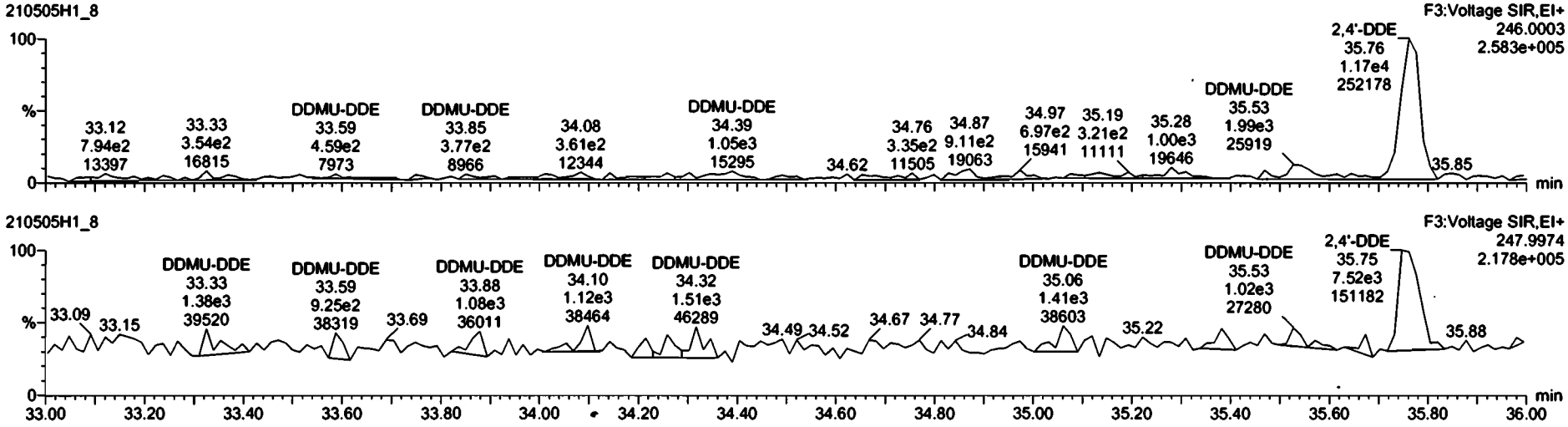
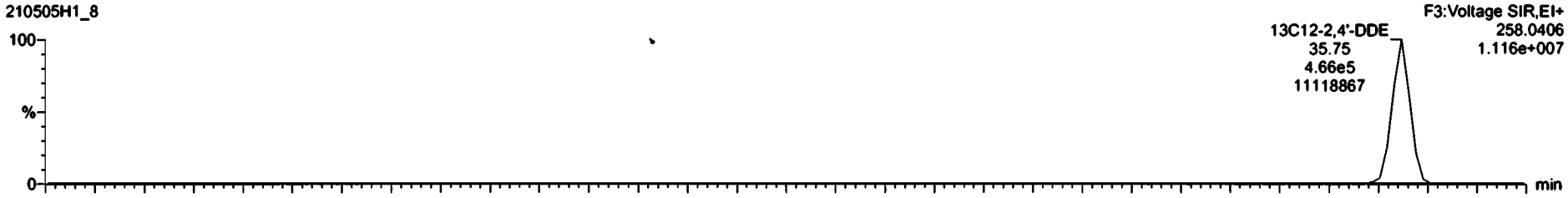
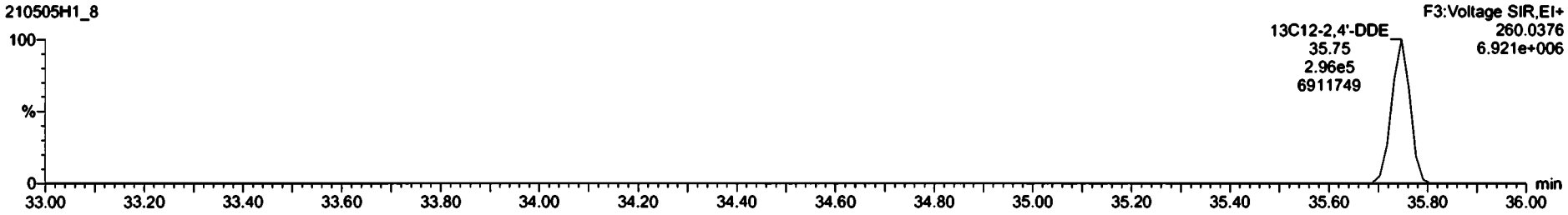
Name: 210505H1_8, Date: 05-May-2021, Time: 14:53:47, ID: 2103216-12RE2 USMPDI-064RAB-10-20-210311 1.46, Description: USMPDI-064RAB-10-20-210311

2,4'-DDE



13C12-2,4'-DDE





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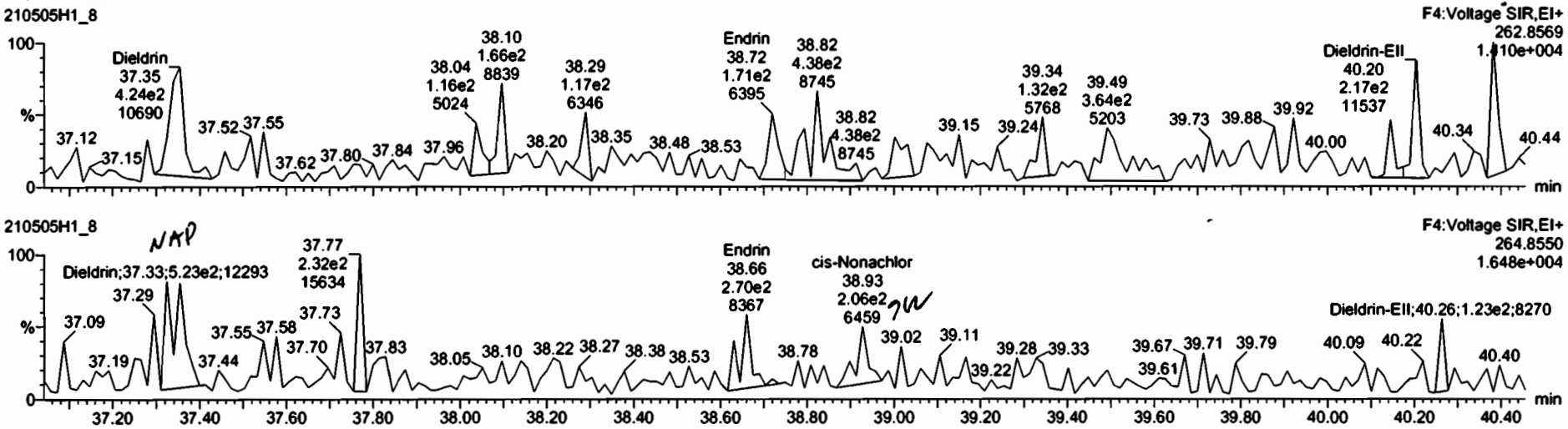
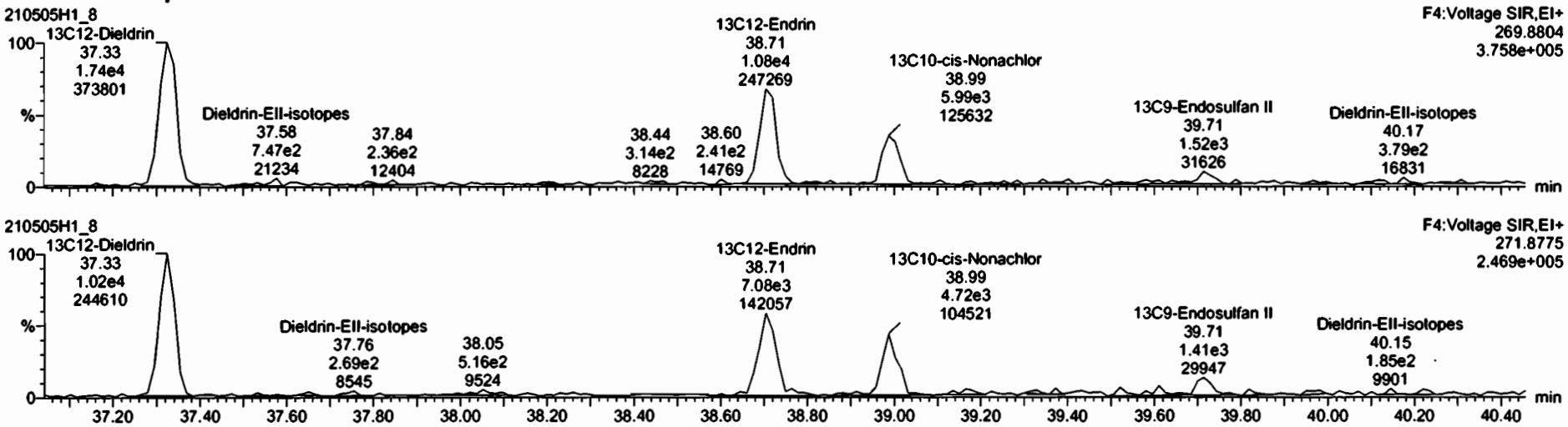
Name: 210505H1_8, Date: 05-May-2021, Time: 14:53:47, ID: 2103216-12RE2 USMPDI-064RAB-10-20-210311 1.46, Description: USMPDI-064RAB-10-20-210311

Dieldrin-EII



Dieldrin-EII-isotopes



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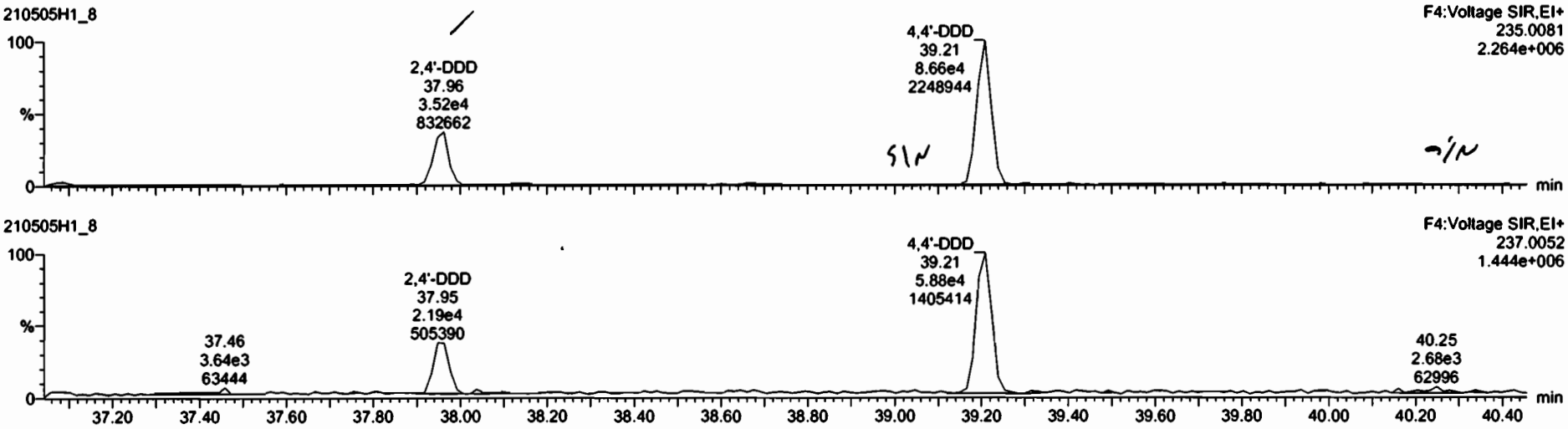
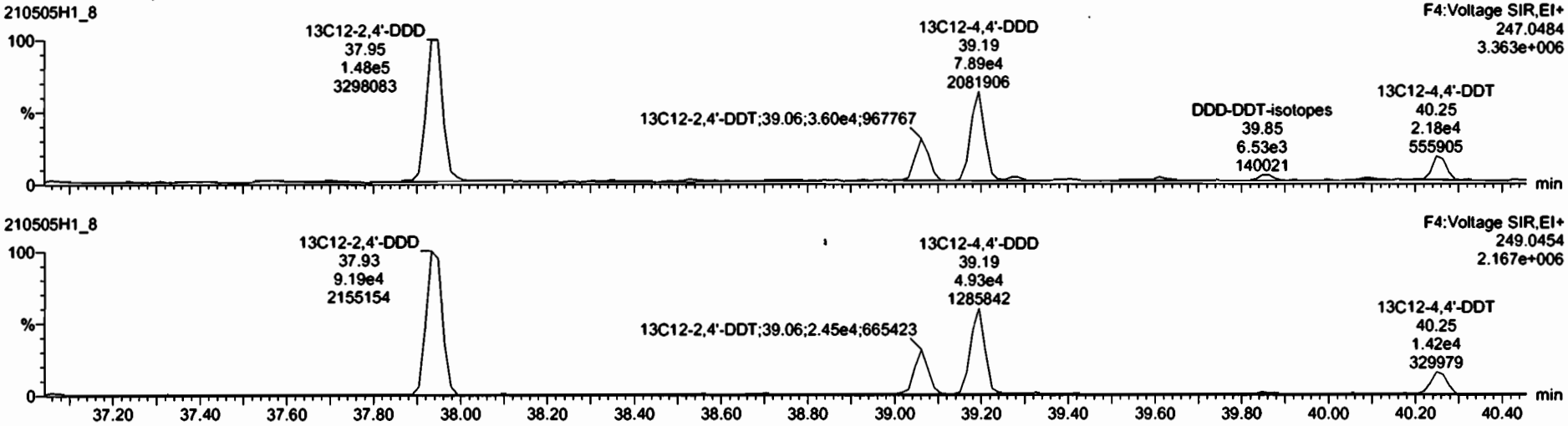
Name: 210505H1_8, Date: 05-May-2021, Time: 14:53:47, ID: 2103216-12RE2 USMPDI-064RAB-10-20-210311 1.46, Description: USMPDI-064RAB-10-20-210311

DDD-DDT



DDD-DDT-isotopes



TargetLynx - 210505H1_8.qld * - [Chromatogram]

File Edit View Display Processing Window Help

210505H1_8 - 2103216-12RE2 USMPDI-064RAB-10-20-210311 1.46 - USMPDI-064RAB-10-20-210311

	#	Name	Resp	IS AREA	RA	n/y	RRF	w/vol	RT	Prod RT	RRT	Prod RRT	Check RRT	Conc	%Rec	DL	EMPC
19	19	4,4'-DDE	9 92e4	4 58e5	1 43	NO	1.03	1.0364	36 83	36 81	1.000	1 000	NO	202.1		3 56	202
20	20	Dieldrin		2 76e4		NO	1.05	1.0364		37 36		1 001	YES			16 9	
21	21	Endrin	4 41e2	1.79e4	0.64	YES	0.98	1.0364	38.72	36.74	1.000	1.001	NO	24 25		26.4	15 5
22	22	pe-Honachlor		1 07e4		NO	1.05	1.0364		36.99		1.000	YES			44 6	
23	23	Endosulfan II (beta)		2 93e3		NO	1.09	1.0364		39.71		1 000	YES			159	
24	24	2,4'-DDD	5 60e4	2 40e5	1 56	NO	1.03	1.0364	37.98	37 95	1.000	1 000	NO	220.0		8 22	220
25	25	2,4'-DDT		6 05e4		NO	1.32	1.0364		39 06		1 000	YES			27 2	
26 *	26	4,4'-DDD	1 45e5	1 28e5	1.47	NO	1.10	1.0364	39 21	39.19	1.000	1 000	NO	952.4		12.1	992
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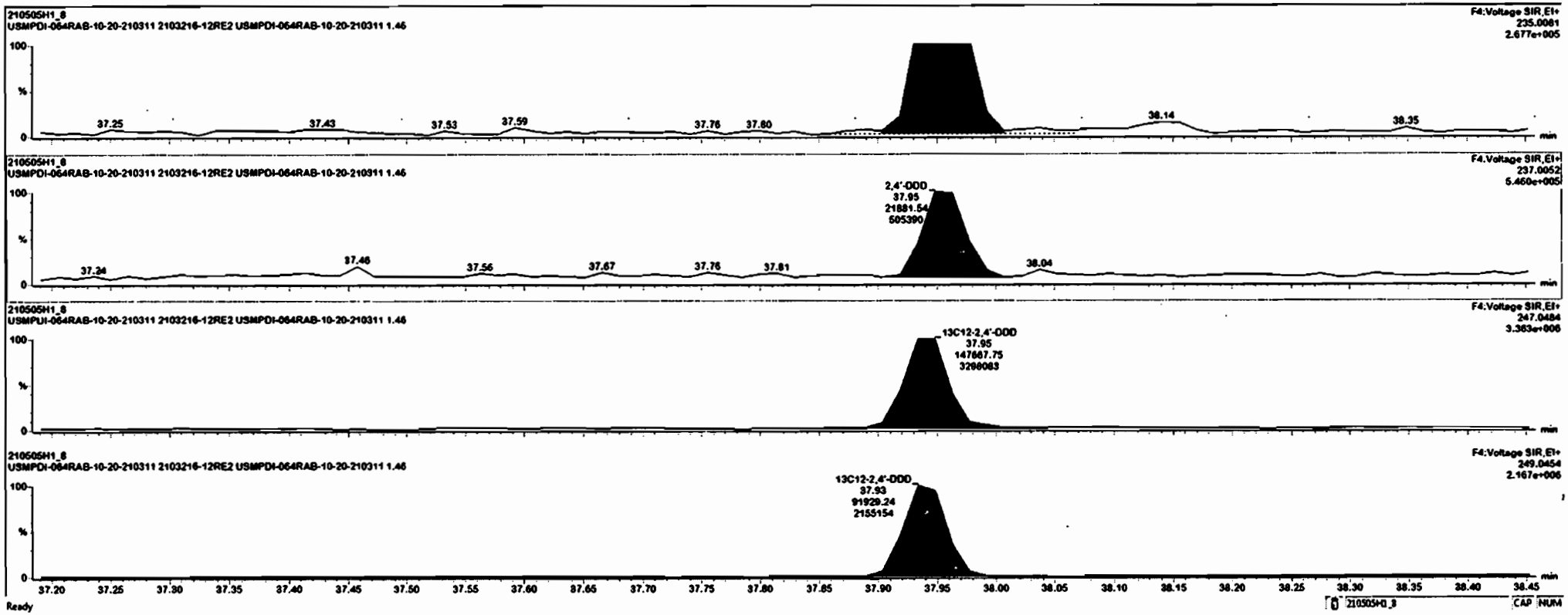

Ready

210505H1_8

CAP NUM

Dataset: U:\vg10.PRO\Results\210505H1\210505H1_8.qld

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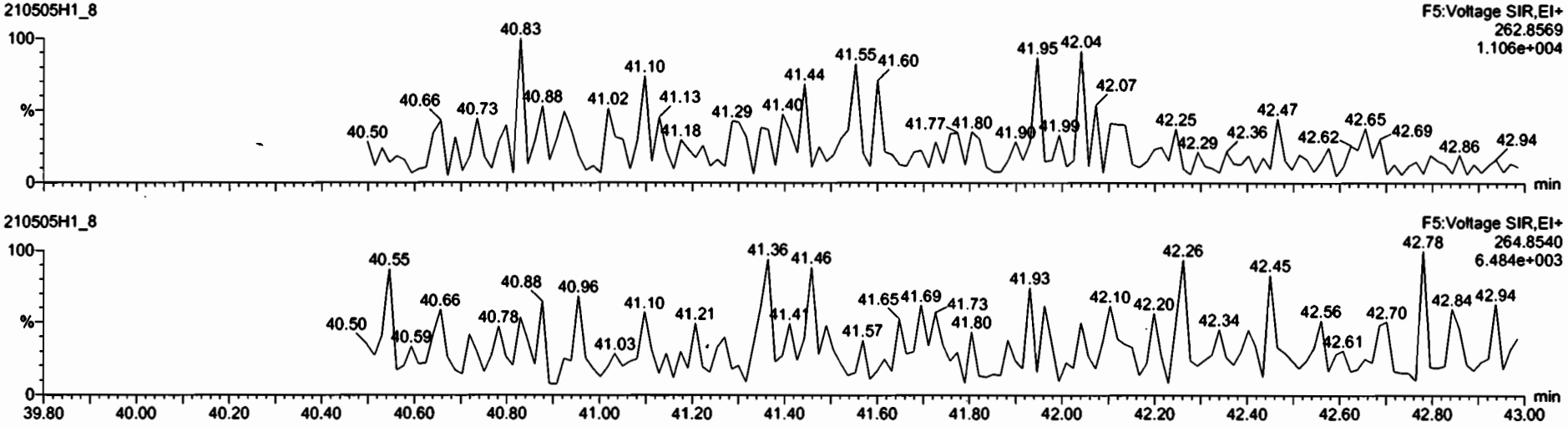
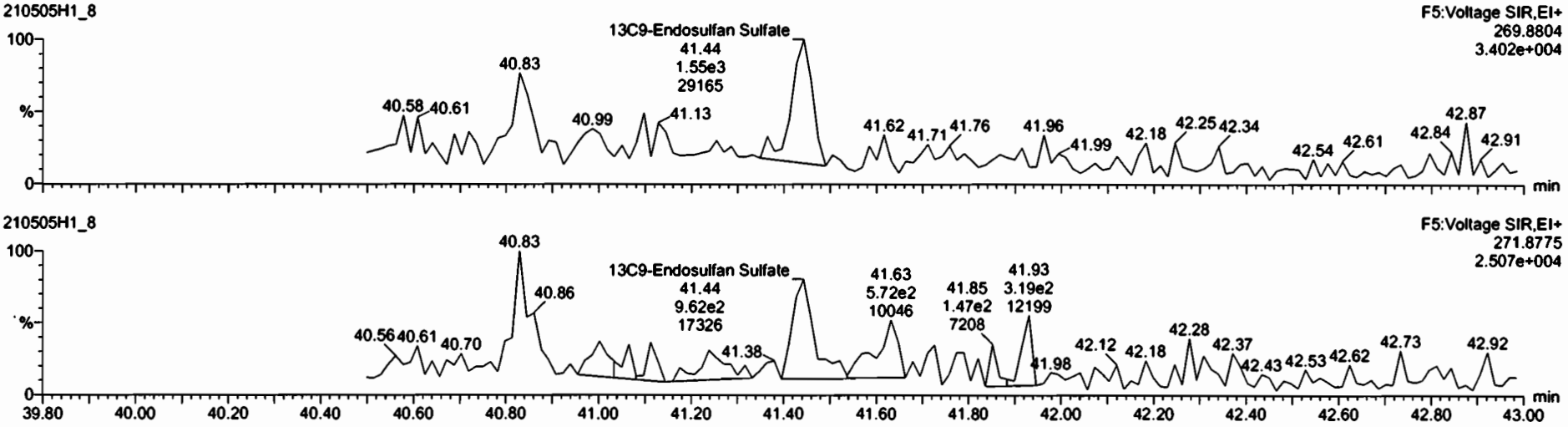
Name: 210505H1_8, Date: 05-May-2021, Time: 14:53:47, ID: 2103216-12RE2 USMPDI-064RAB-10-20-210311 1.46, Description: USMPDI-064RAB-10-20-210311

Endosulfan Sulfate



13C9-Endosulfan Sulfate



Dataset: U:\vg10.PRO\Results\210505H1\210505H1_8.qld

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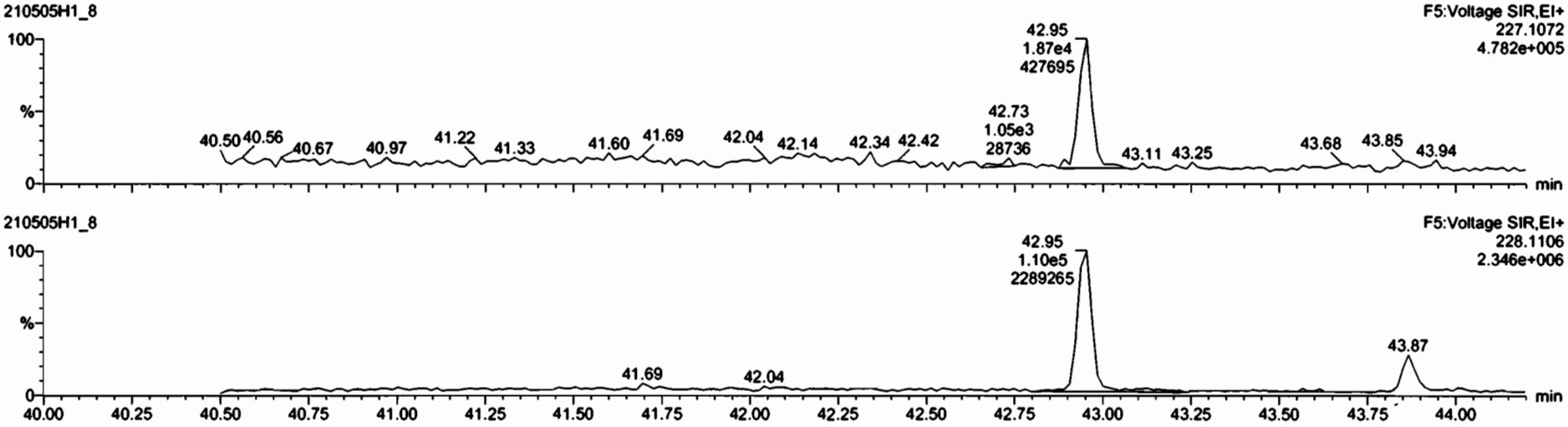
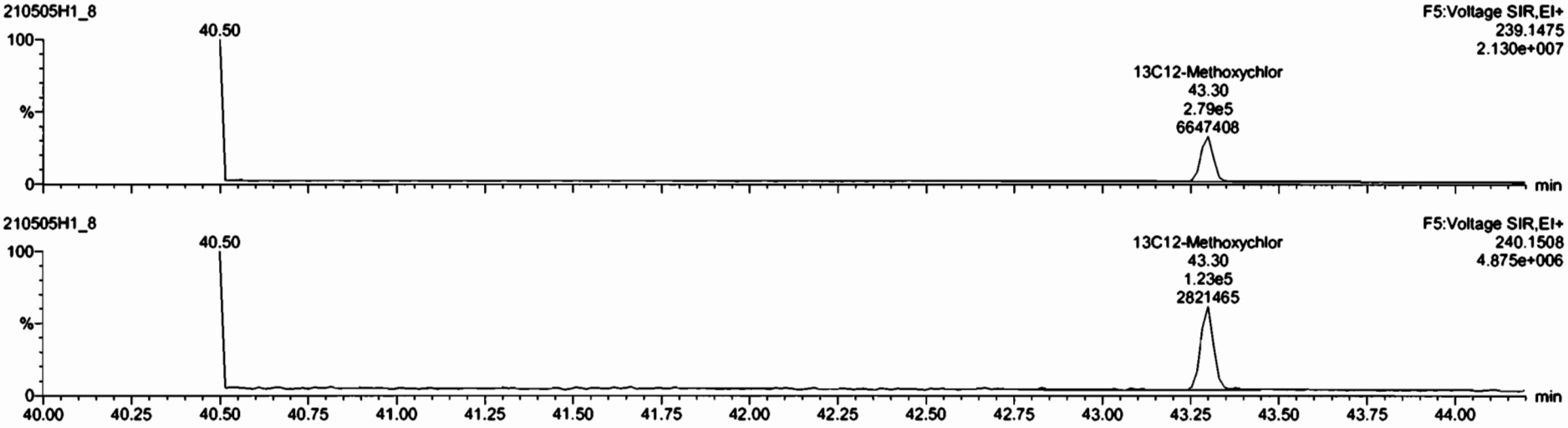
Name: 210505H1_8, Date: 05-May-2021, Time: 14:53:47, ID: 2103216-12RE2 USMPDI-064RAB-10-20-210311 1.46, Description: USMPDI-064RAB-10-20-210311

4,4'-Methoxychlor



13C12-Methoxychlor



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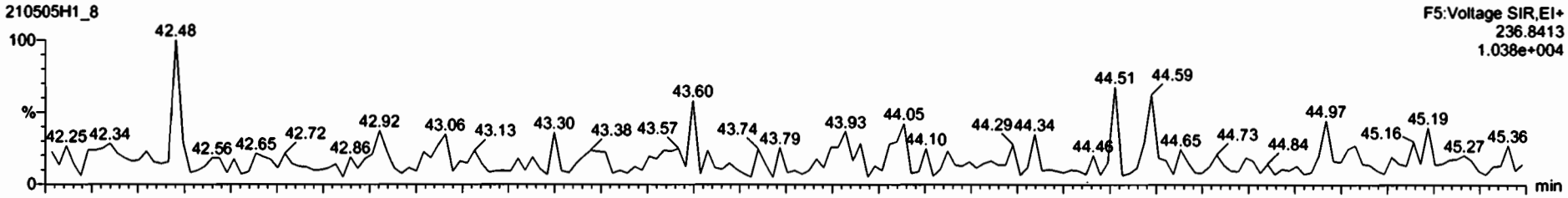
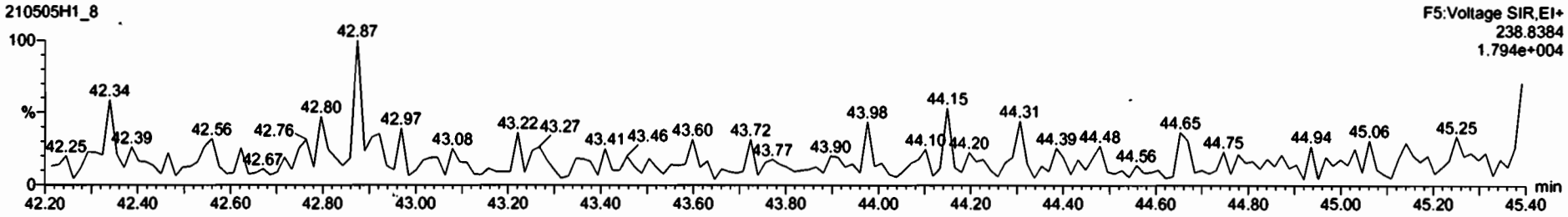
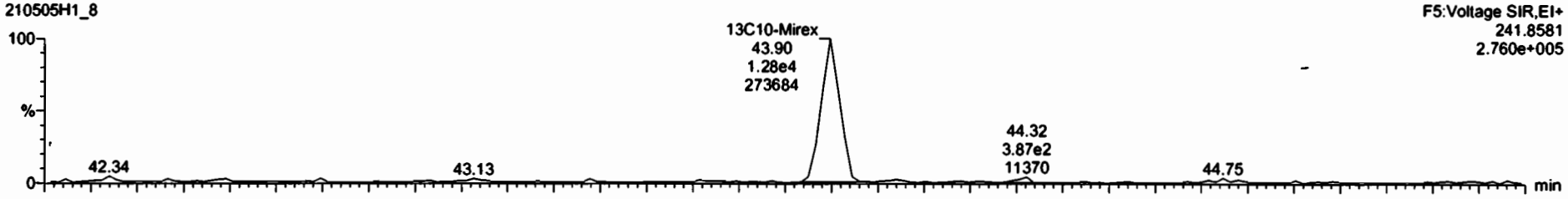
Name: 210505H1_8, Date: 05-May-2021, Time: 14:53:47, ID: 2103216-12RE2 USMPDI-064RAB-10-20-210311 1.46, Description: USMPDI-064RAB-10-20-210311

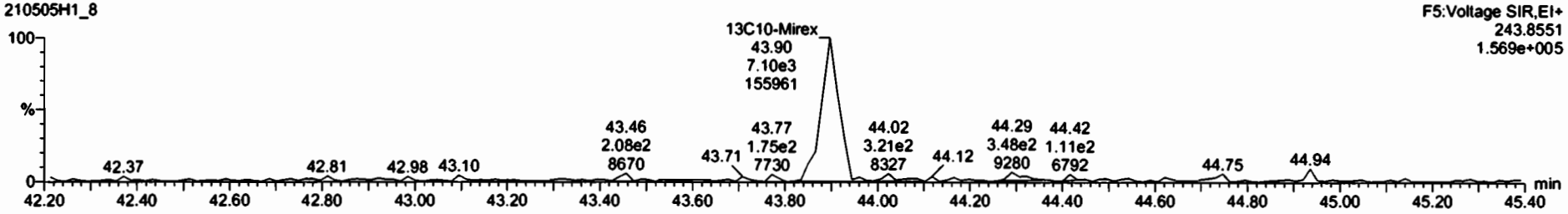
Mirex





13C10-Mirex





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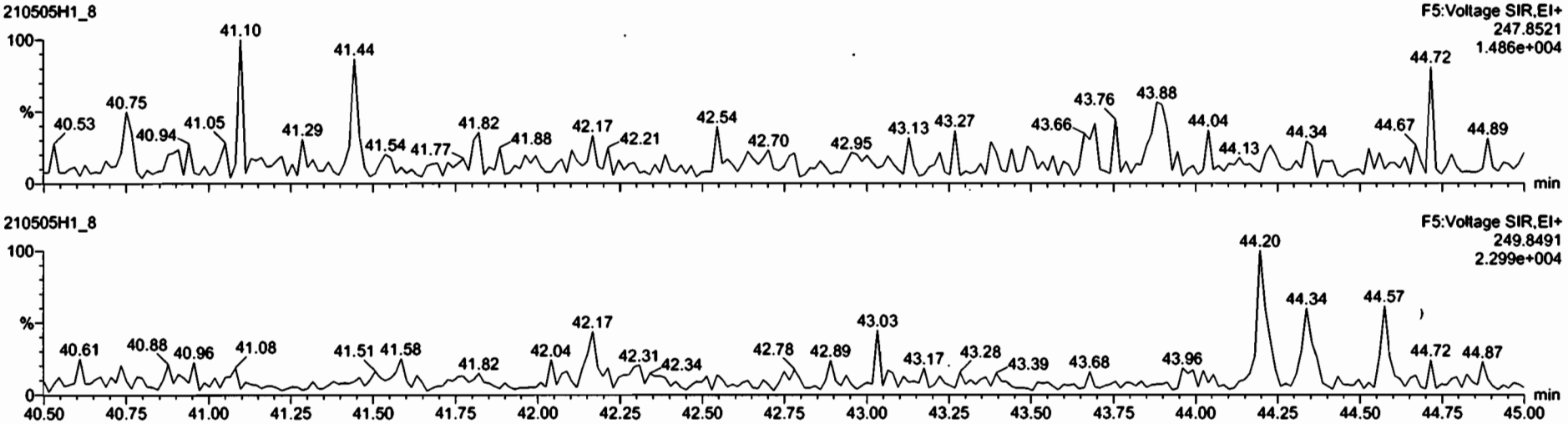
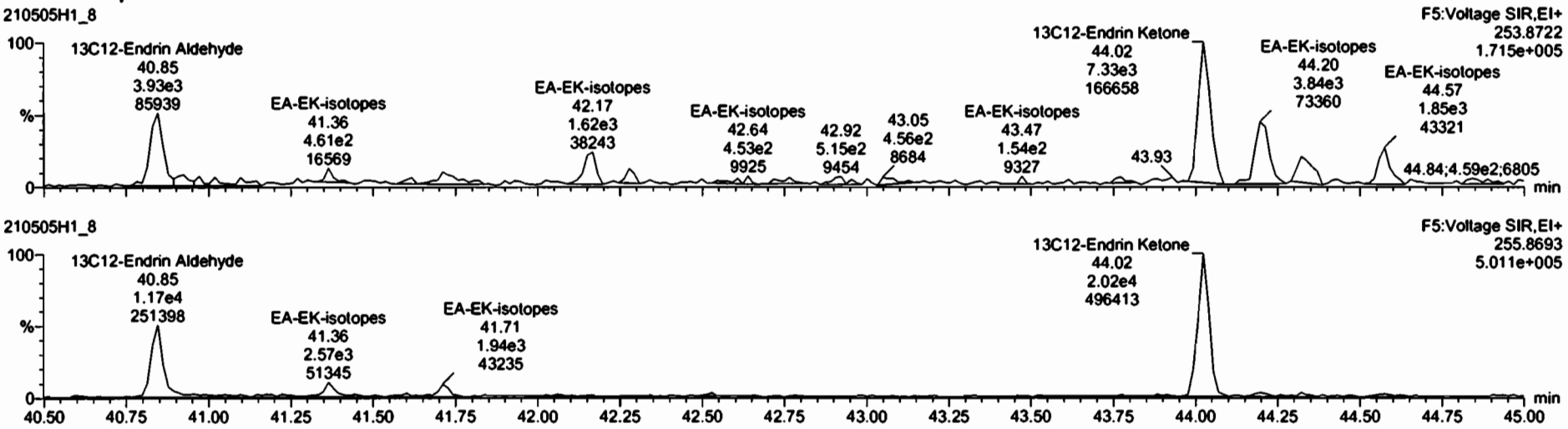
Name: 210505H1_8, Date: 05-May-2021, Time: 14:53:47, ID: 2103216-12RE2 USMPDI-064RAB-10-20-210311 1.46, Description: USMPDI-064RAB-10-20-210311

EA-EK



EA-EK-isotopes



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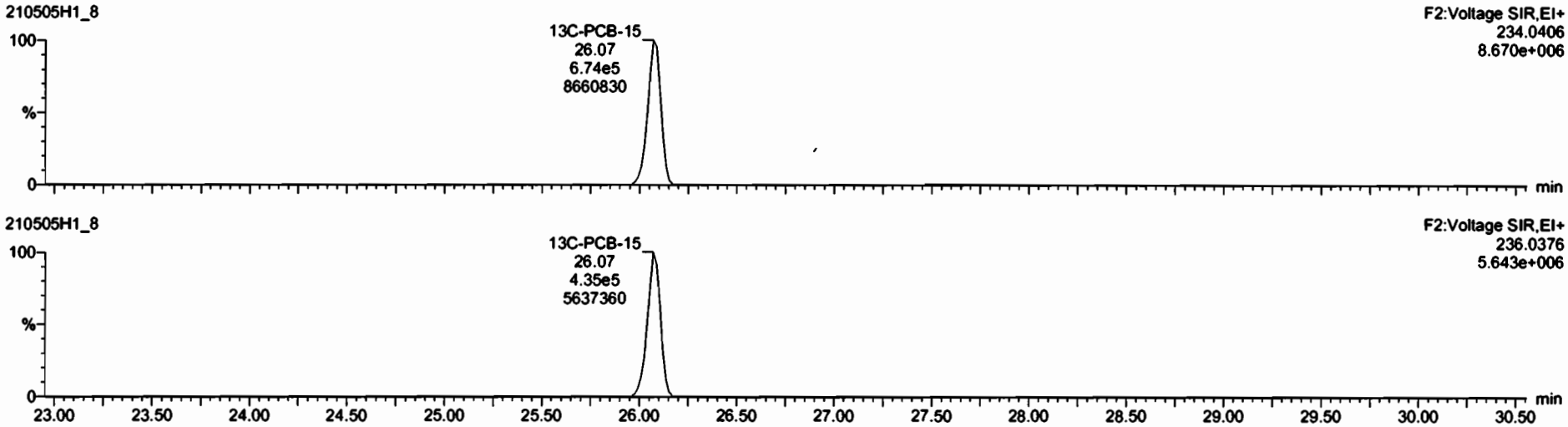
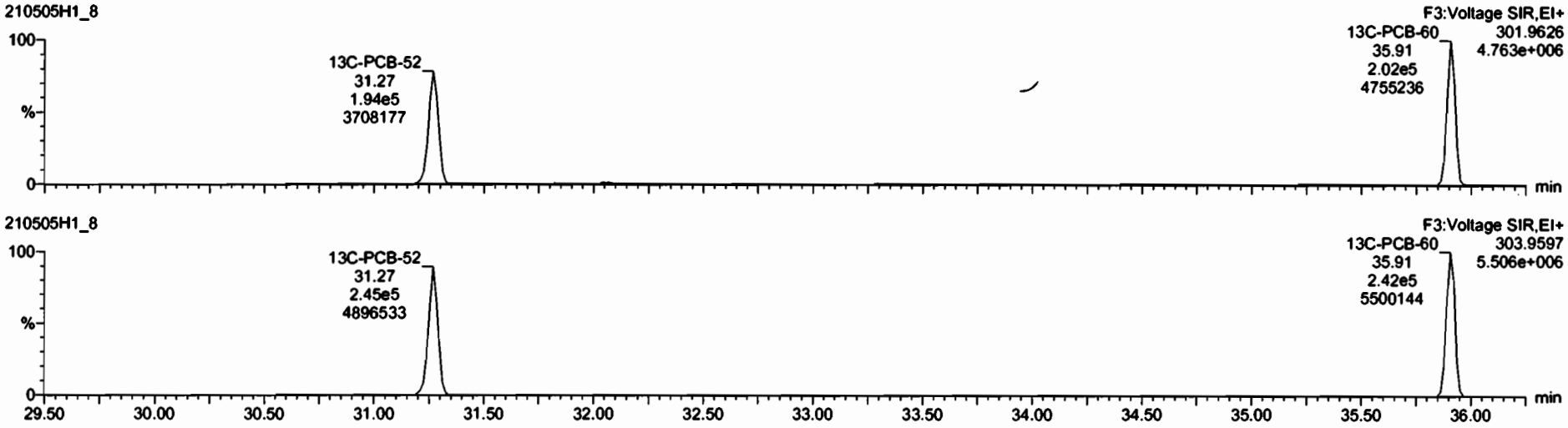
Printed: Wednesday, May 05, 2021 4:31:33 PM Pacific Daylight Time

Name: 210505H1_8, Date: 05-May-2021, Time: 14:53:47, ID: 2103216-12RE2 USMPDI-064RAB-10-20-210311 1.46, Description: USMPDI-064RAB-10-20-210311

13C-PCB-15



13C-PCB-60



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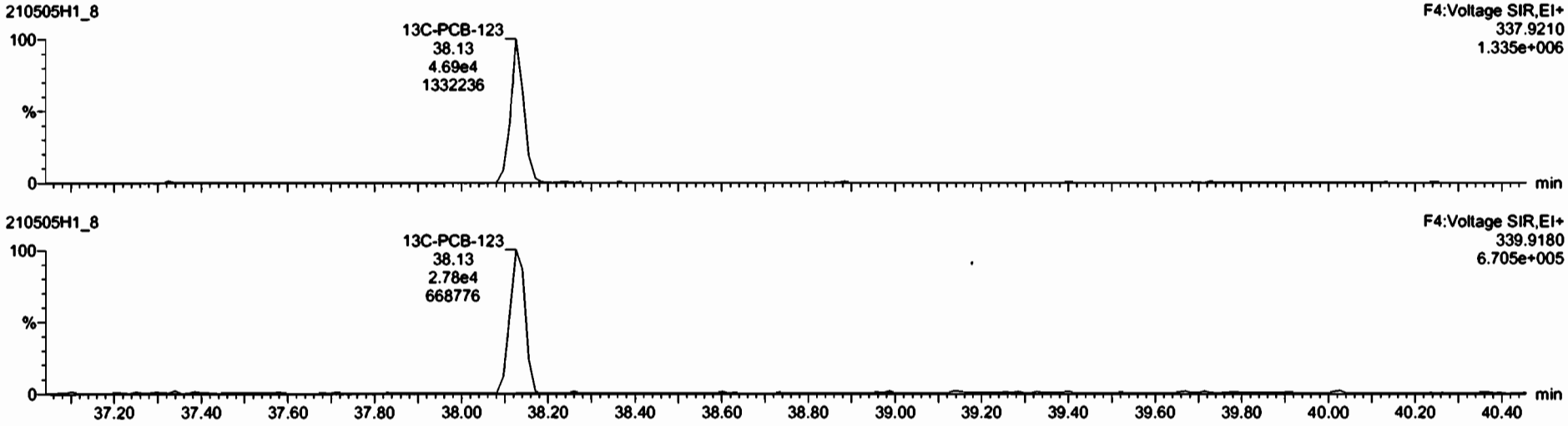
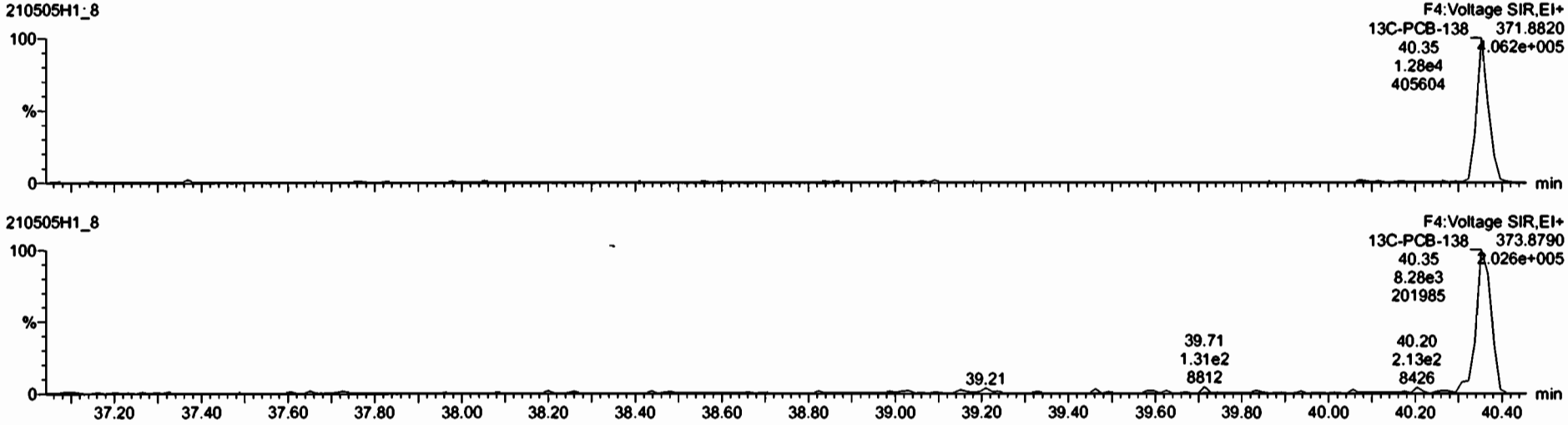
13C-PCB-123



13C-PCB-138



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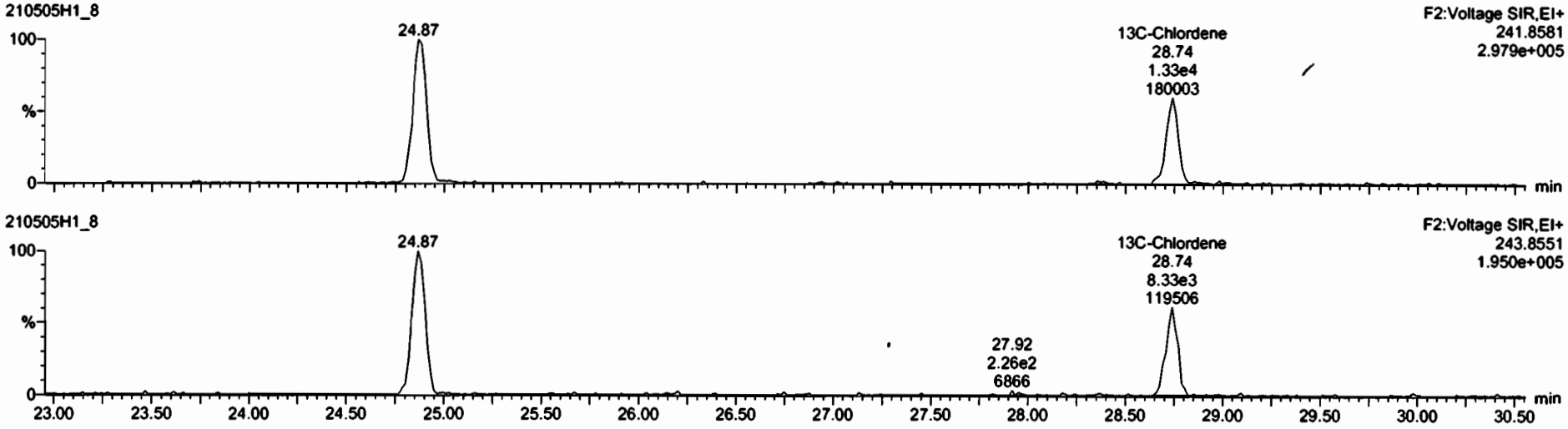
Printed: Wednesday, May 05, 2021 4:31:33 PM Pacific Daylight Time

Name: 210505H1_8, Date: 05-May-2021, Time: 14:53:47, ID: 2103216-12RE2 USMPDI-064RAB-10-20-210311 1.46, Description: USMPDI-064RAB-10-20-210311

13C-Chlordene



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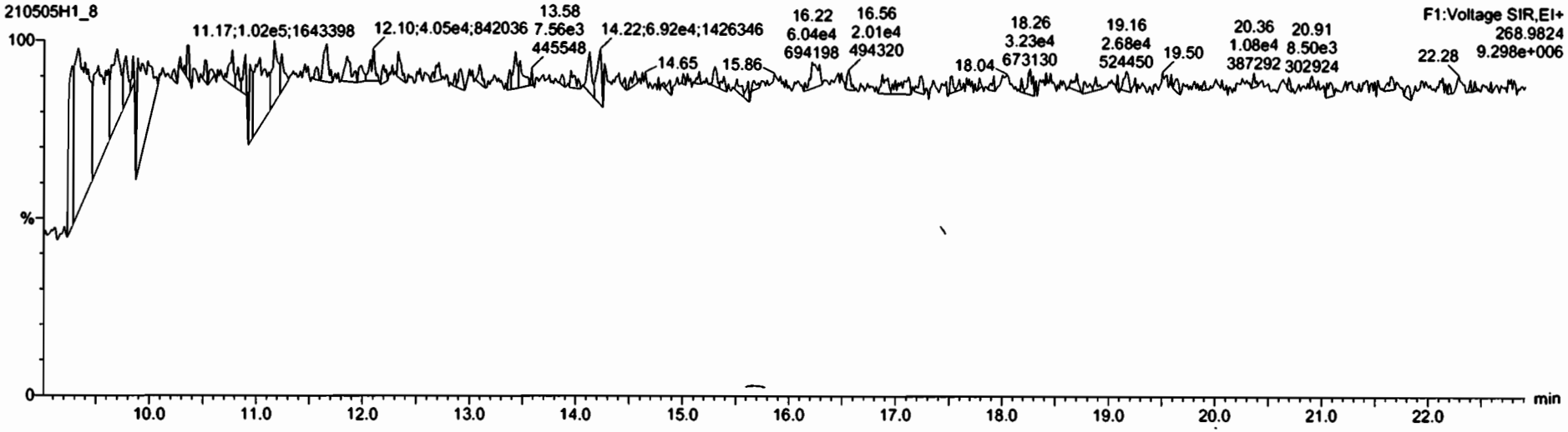

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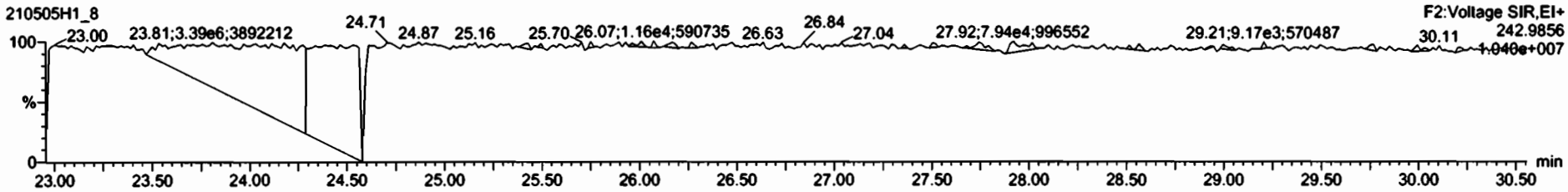
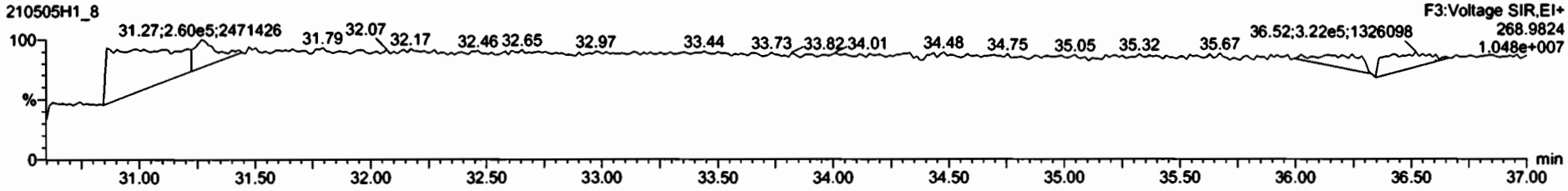
Name: 210505H1_8, Date: 05-May-2021, Time: 14:53:47, ID: 2103216-12RE2 USMPDI-064RAB-10-20-210311 1.46, Description: USMPDI-064RAB-10-20-210311

PFK2



PFK3



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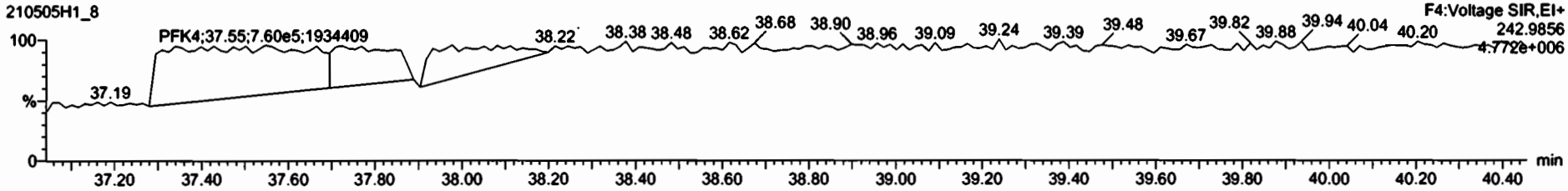
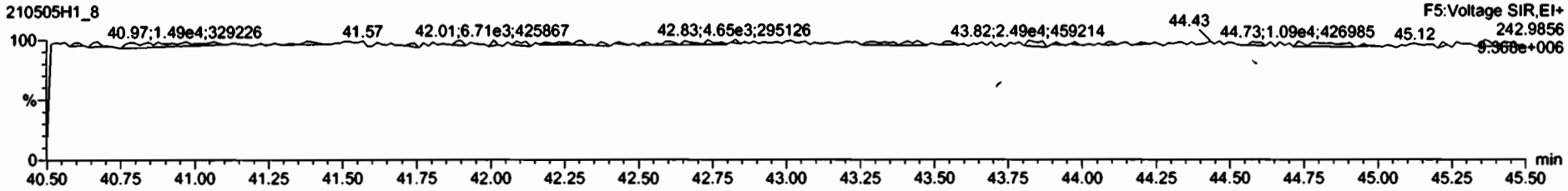


PFK5



Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_11.qld

Last Altered: Friday, April 16, 2021 15:39:00 Pacific Daylight Time
Printed: Friday, April 16, 2021 15:39:54 Pacific Daylight Time

oc 04/28/21
DF 04/16/21

C 05/03/2021

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_11, Date: 14-Apr-2021, Time: 17:53:33, ID: 2103216-13RE1 USMPDI-064RAB-20-23.4-210311 1.48, Description: USMPDI-064RAB-20-23.4-210311, Task: ST210414H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	4	Lindane (gamma-...		2.07e5		NO	0.860	1.068			1.000	YES			4.50	
2	9	Aldrin		8.93e4		NO	1.09	1.068			1.001	YES			4.18	
3	10	Oxychlordane		3.98e4		NO	1.06	1.068			1.001	YES			8.08	
4	13	trans-Chlordane (g...	5.80e2	2.94e4	1.30	NO	1.14	1.068	35.09	1.001	1.001	NO	16.257		9.33	16.3
5	14	trans-Nonachlor		3.07e4		NO	1.06	1.068			1.000	YES			10.4	
6	15	cis-Chlordane		3.07e4		NO	1.16	1.068			1.016	YES			9.48	
7	18	2,4'-DDE	1.26e4	8.40e5	1.07	YES	1.02	1.068	35.73	1.001	1.000	NO	13,679		1,87	11.6
8	19	4,4'-DDE	5.69e4	5.13e5	1.45	NO	1.04	1.068	36.78	1.000	1.000	NO	100.12		2.82	100
9	20	Dieldrin	9.09e2	5.35e4	1.21	NO	1.03	1.068	37.29	1.000	1.001	NO	15.440		7.00	15.4
10	22	cis-Nonachlor		2.28e4		NO	1.00	1.068			1.000	YES			18.4	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_11.qld

Last Altered: Friday, April 16, 2021 15:39:00 Pacific Daylight Time
Printed: Friday, April 16, 2021 15:40:09 Pacific Daylight Time

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Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_11, Date: 14-Apr-2021, Time: 17:53:33, ID: 2103216-13RE1 USMPDI-064RAB-20-23.4-210311 1.48, Description: USMPDI-064RAB-20-23.4-210311, Task: ST210414H1_1

	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	24 2,4'-DDD	7.31e4	5.72e5	1.66	NO	1.07	1.068	37.92	1.000	1.000	NO	112.13		4.58	112
2	25 2,4'-DDT		2.38e5		NO	1.05	1.068			1.000	YES			9.91	
3	26 4,4'-DDD	1.99e5	3.55e5	1.63	NO	1.16	1.068	39.17	1.000	1.000	NO	450.99		6.39	451
4	27 4,4'-DDT	2.10e4	1.48e5	1.34	NO	1.13	1.068	40.22	1.000	1.001	NO	117.32		15.9	117
5	36 13C6-Lindane (ga...	2.07e5	1.51e6	0.79	NO	0.194	1.068	26.60	1.020	1.019	NO	664.17	71.0	3.33	
6	40 13C12-Aldrin	8.93e4	1.51e6	1.56	NO	0.154	1.068	30.82	1.181	1.181	NO	360.19	38.5	3.33	
7	41 13C10-Oxychlorda...	3.98e4	1.51e6	1.56	NO	0.0404	1.068	33.37	1.279	1.280	NO	612.24	65.4	12.7	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_11.qld

Last Altered: Friday, April 16, 2021 15:39:00 Pacific Daylight Time
Printed: Friday, April 16, 2021 15:40:26 Pacific Daylight Time

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Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_11, Date: 14-Apr-2021, Time: 17:53:33, ID: 2103216-13RE1 USMPDI-064RAB-20-23.4-210311 1.48, Description: USMPDI-064RAB-20-23.4-210311, Task: ST210414H1_1

	# Name	Resp.	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	43 13C10-trans-Chlor...	2.94e4	1.51e6	1.60	NO	0.0358	1.068	35.06	1.344	1.344	NO	509.80	54.5	14.3	
2	44 13C10-trans-Nona...	3.07e4	5.52e5	1.54	NO	0.0638	1.068	35.25	0.983	0.983	NO	816.64	87.3	12.0	
3	46 13C12-2,4'-DDE	8.40e5	5.52e5	1.62	NO	1.43	1.068	35.70	0.996	0.995	NO	991.99	106	2.20	
4	47 13C12-4,4'-DDE	5.13e5	5.52e5	1.56	NO	0.995	1.068	36.77	1.025	1.026	NO	873.61	93.3	3.17	
5	48 13C12-Dieldrin	5.35e4	5.52e5	1.54	NO	0.146	1.068	37.28	1.040	1.040	NO	620.37	66.3	9.88	
6	50 13C10-cis-Nonach...	2.28e4	5.52e5	1.67	NO	0.0791	1.068	38.94	1.086	1.087	NO	489.15	52.3	18.3	
7	52 13C12-2,4'-DDD	5.72e5	5.52e5	1.62	NO	1.35	1.068	37.90	1.057	1.057	NO	716.22	76.5	4.56	
8	53 13C12-2,4'-DDT	2.38e5	5.52e5	1.60	NO	0.962	1.068	39.02	1.088	1.089	NO	419.81	44.9	6.42	
9	54 13C12-4,4'-DDD	3.55e5	5.52e5	1.63	NO	1.12	1.068	39.15	1.092	1.092	NO	534.99	57.2	5.49	
10	55 13C12-4,4'-DDT	1.48e5	5.52e5	1.57	NO	0.735	1.068	40.20	1.121	1.122	NO	341.47	36.5	8.40	
11	62 13C-PCB-15	1.51e6	1.51e6	1.57	NO	1.00	1.068	26.09	1.000	1.000	NO	935.91	100	0.866	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_11.qld

Last Altered: Friday, April 16, 2021 15:39:00 Pacific Daylight Time
Printed: Friday, April 16, 2021 15:40:35 Pacific Daylight Time

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Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_11, Date: 14-Apr-2021, Time: 17:53:33, ID: 2103216-13RE1 USMPDI-064RAB-20-23.4-210311 1.48, Description: USMPDI-064RAB-20-23.4-210311, Task: ST210414H1_1

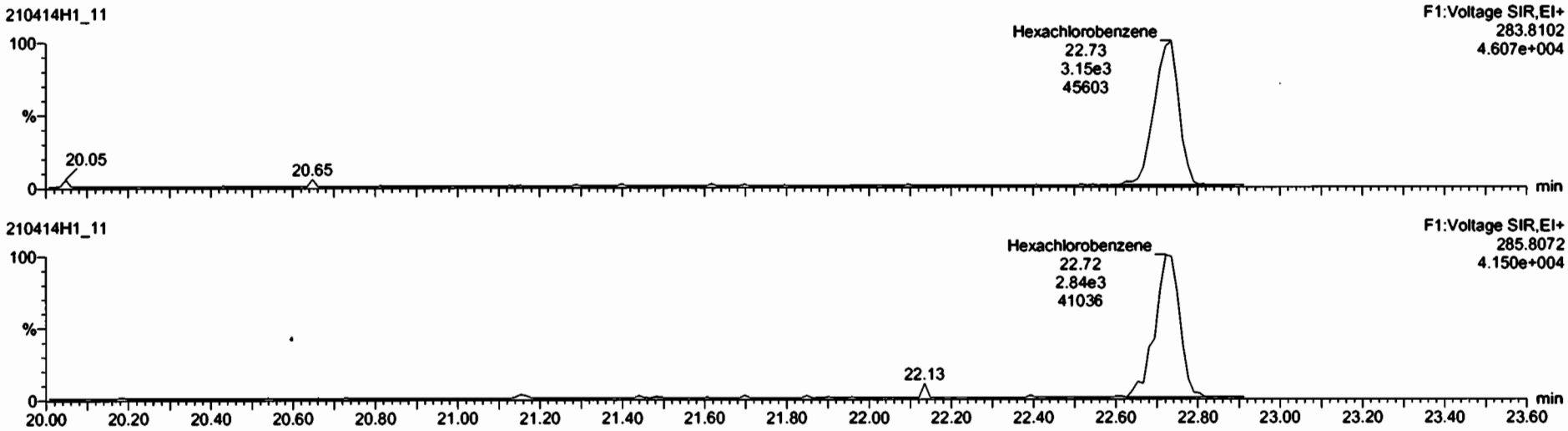
	#.Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	63 13C-PCB-60	5.52e5	5.52e5	0.81	NO	1.00	1.068	35.86	1.000	1.000	NO	935.91	100	1.52	

Dataset: Untitled

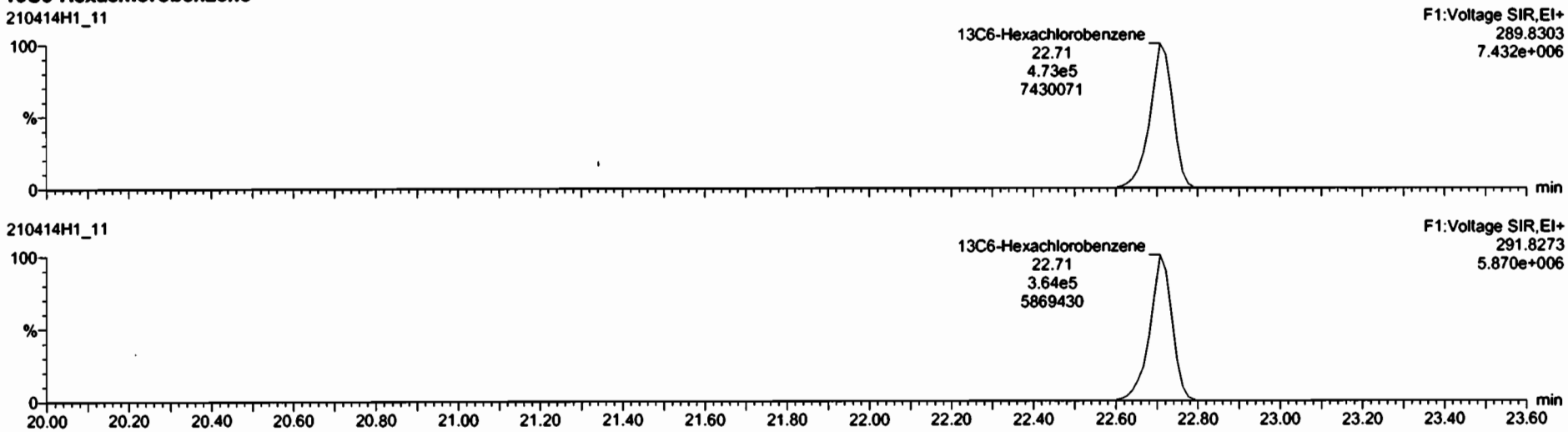
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_11, Date: 14-Apr-2021, Time: 17:53:33, ID: 2103216-13RE1 USMPDI-064RAB-20-23.4-210311 1.48, Description: USMPDI-064RAB-20-23.4-210311

Hexachlorobenzene



13C6-Hexachlorobenzene



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Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

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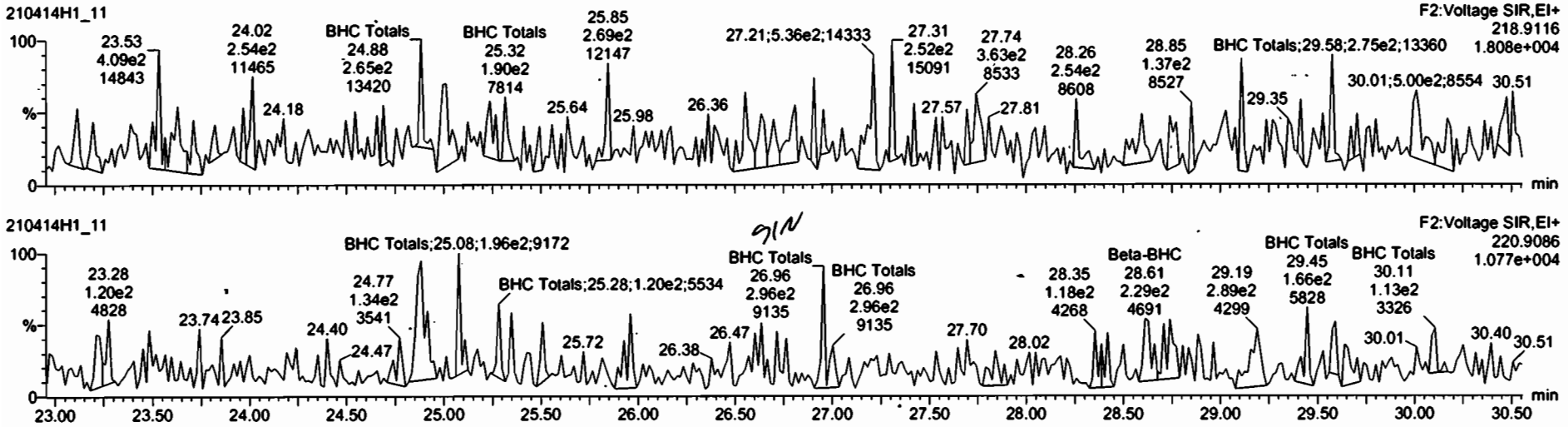
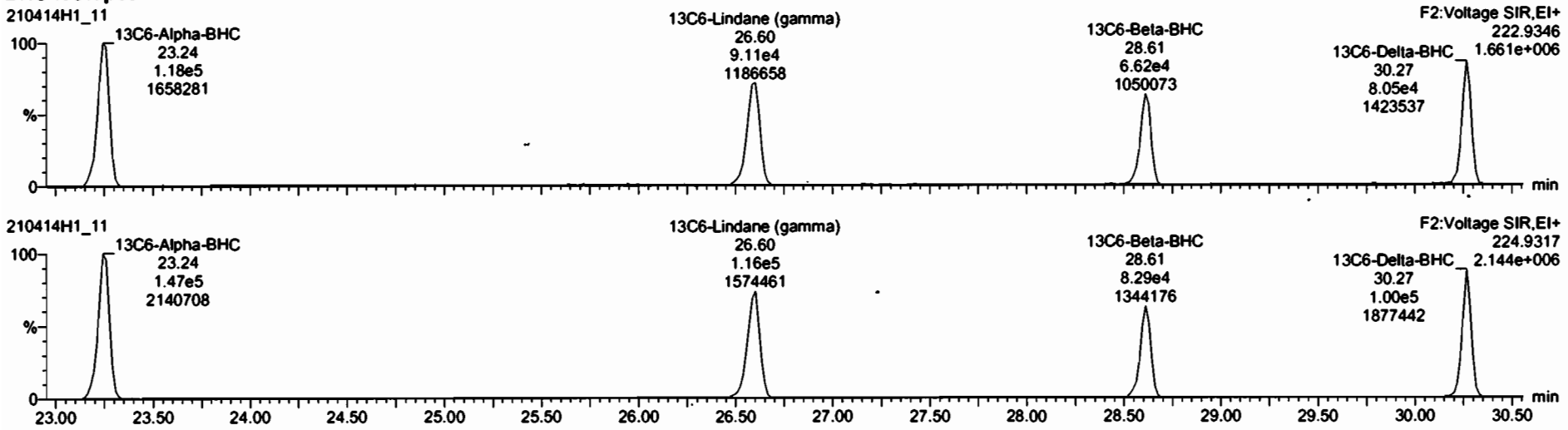
BHC Totals



BHC-isotopes



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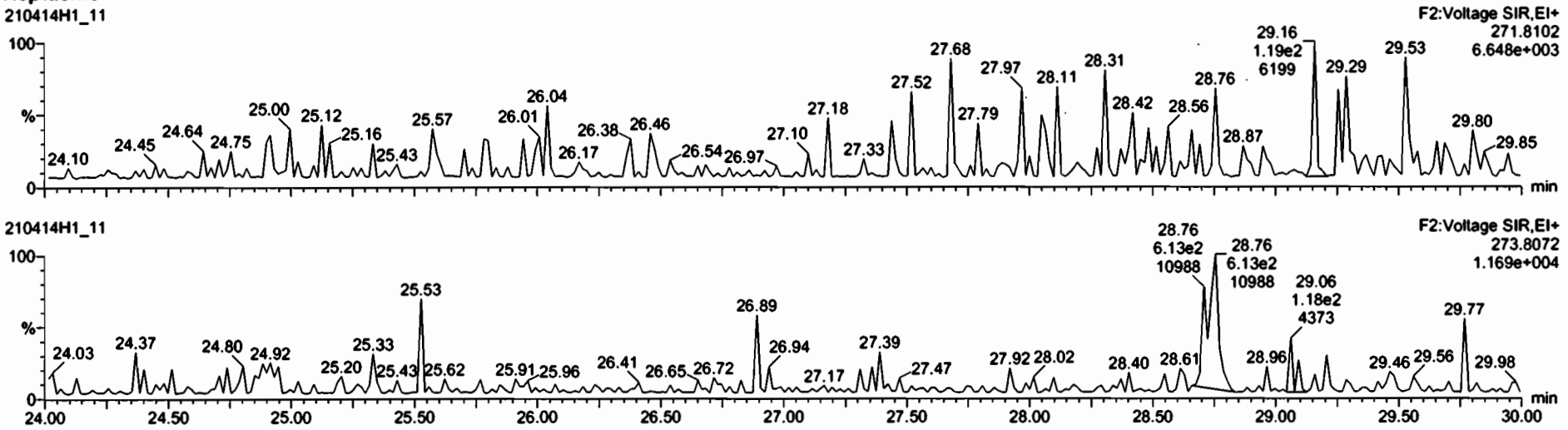
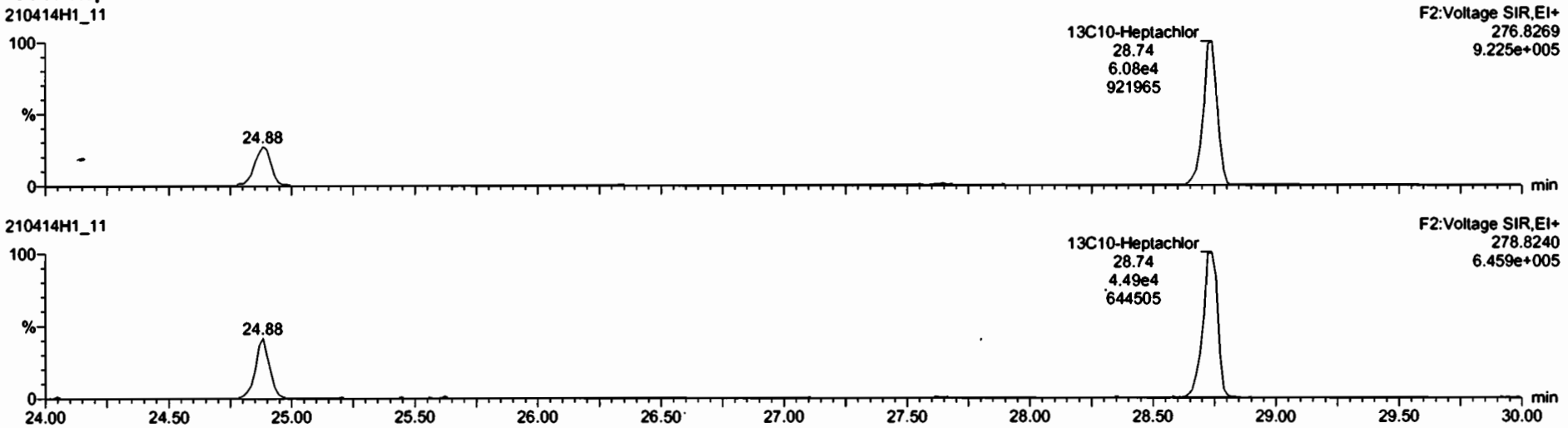
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_11, Date: 14-Apr-2021, Time: 17:53:33, ID: 2103216-13RE1 USMPDI-064RAB-20-23.4-210311 1.48, Description: USMPDI-064RAB-20-23.4-210311

Heptachlor



13C10-Heptachlor



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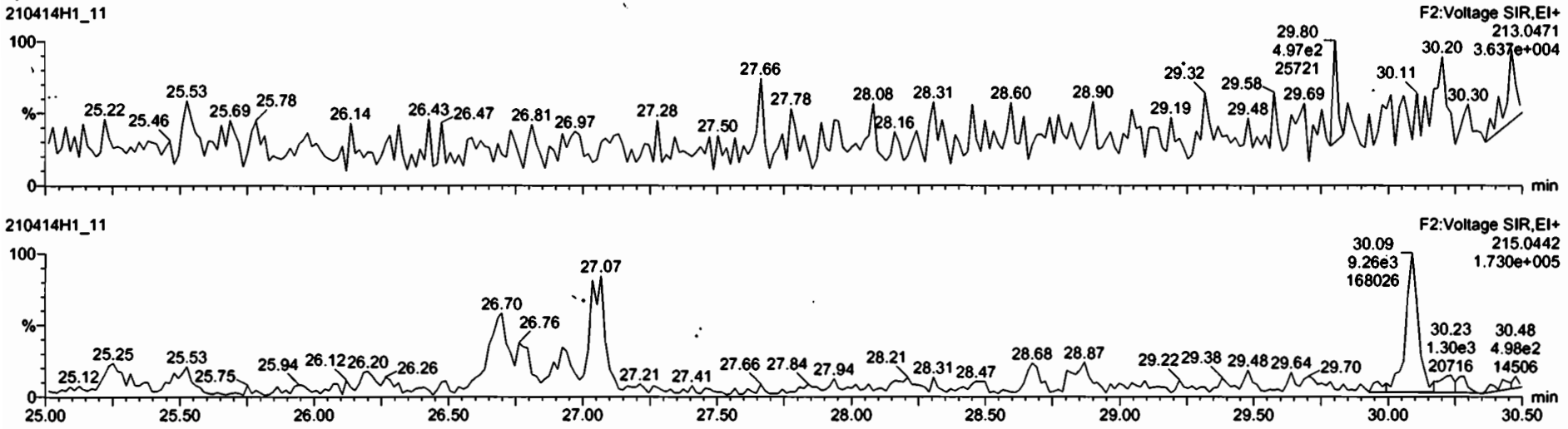
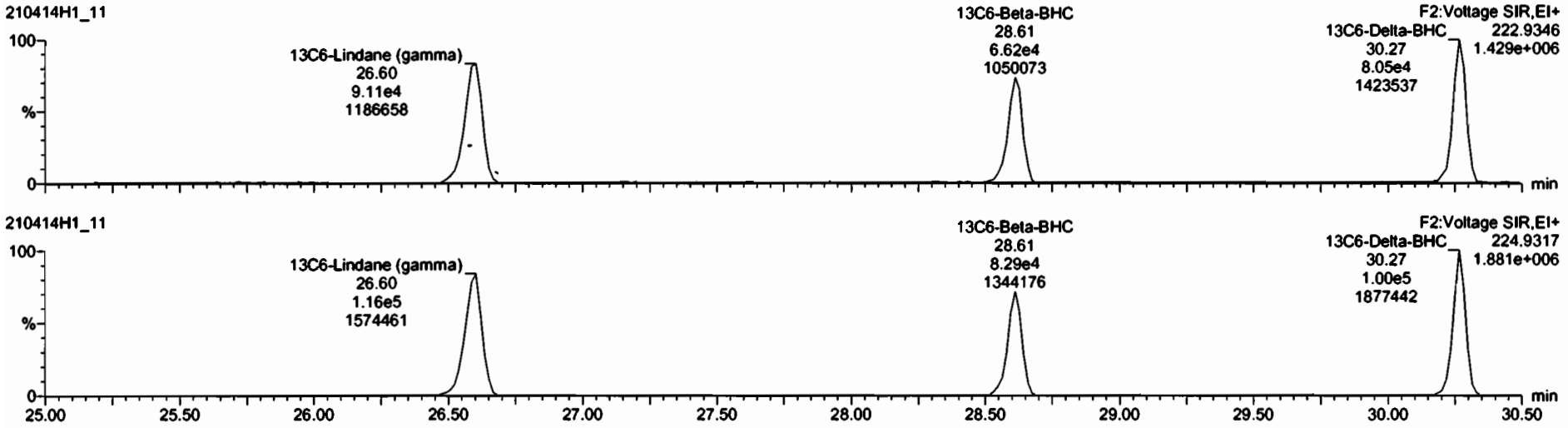
Name: 210414H1_11, Date: 14-Apr-2021, Time: 17:53:33, ID: 2103216-13RE1 USMPDI-064RAB-20-23.4-210311 1.48, Description: USMPDI-064RAB-20-23.4-210311

4,4'-DDNU



13C6-Delta-BHC



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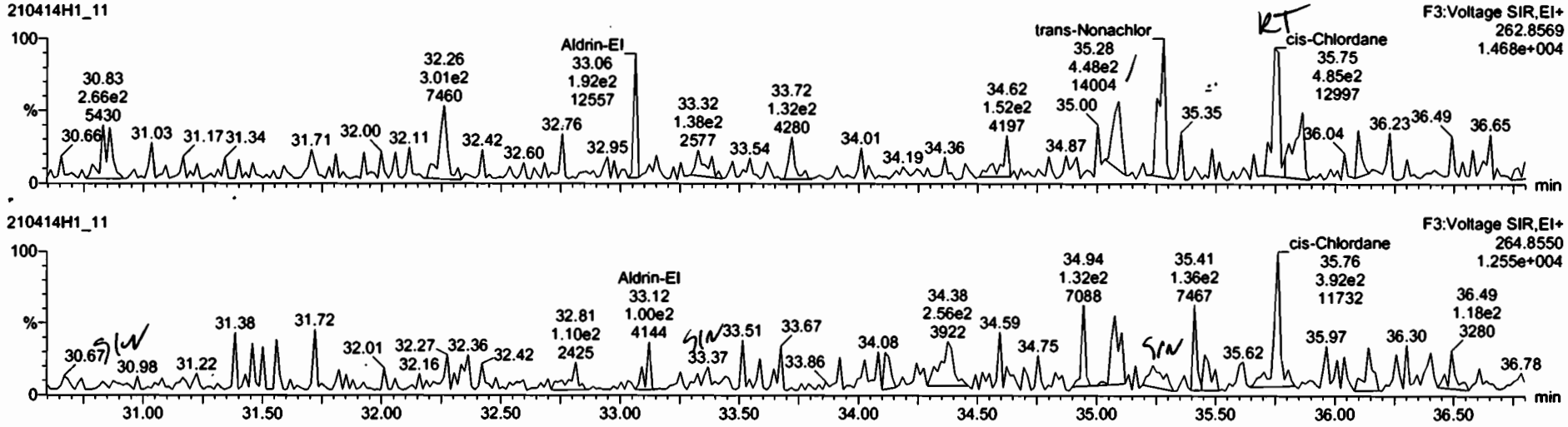
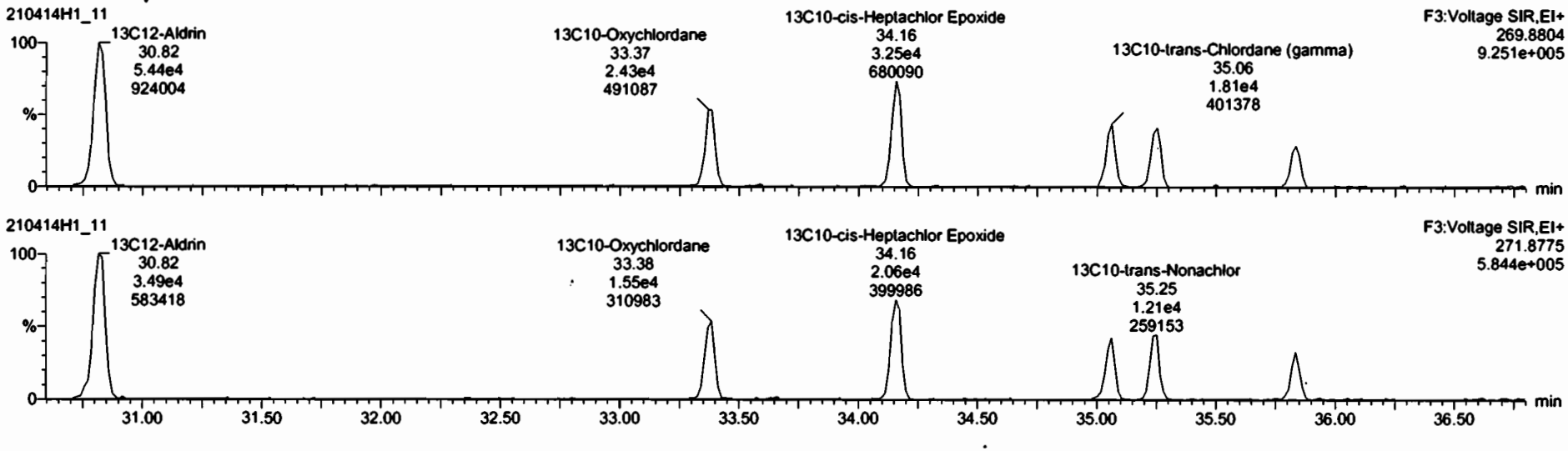
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_11, Date: 14-Apr-2021, Time: 17:53:33, ID: 2103216-13RE1 USMPDI-064RAB-20-23.4-210311 1.48, Description: USMPDI-064RAB-20-23.4-210311

Aldrin-EI

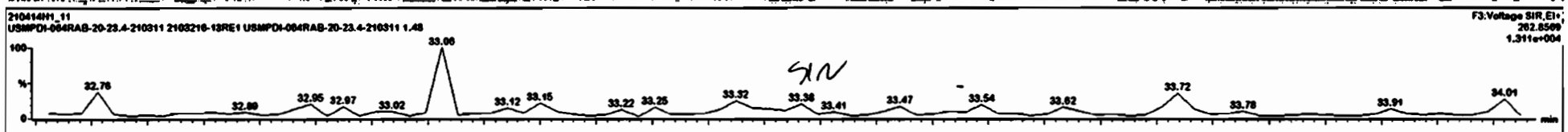


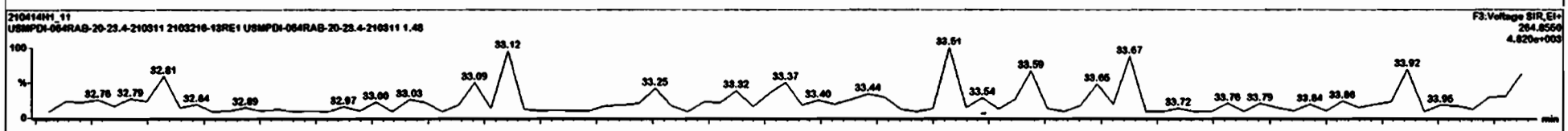
Aldrin-EI-isotopes

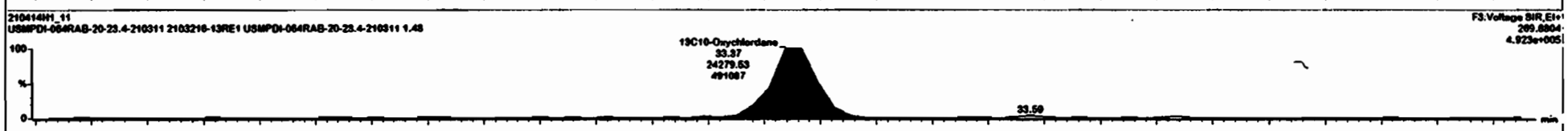


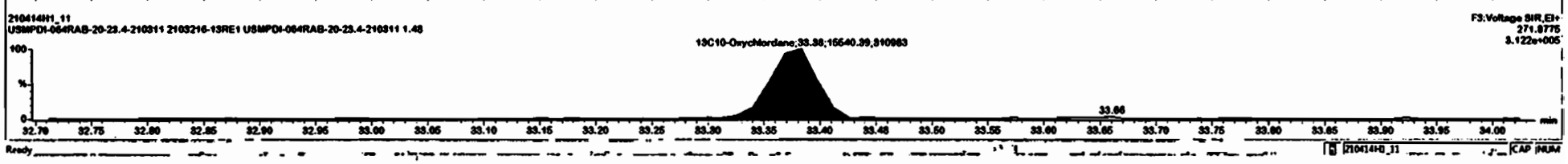
210414H1_11 - 2103216-13RE1 USMPDI-064RAB-20-23.4-210311 1.48 - USMPDI-064RAB-20-23.4-210311

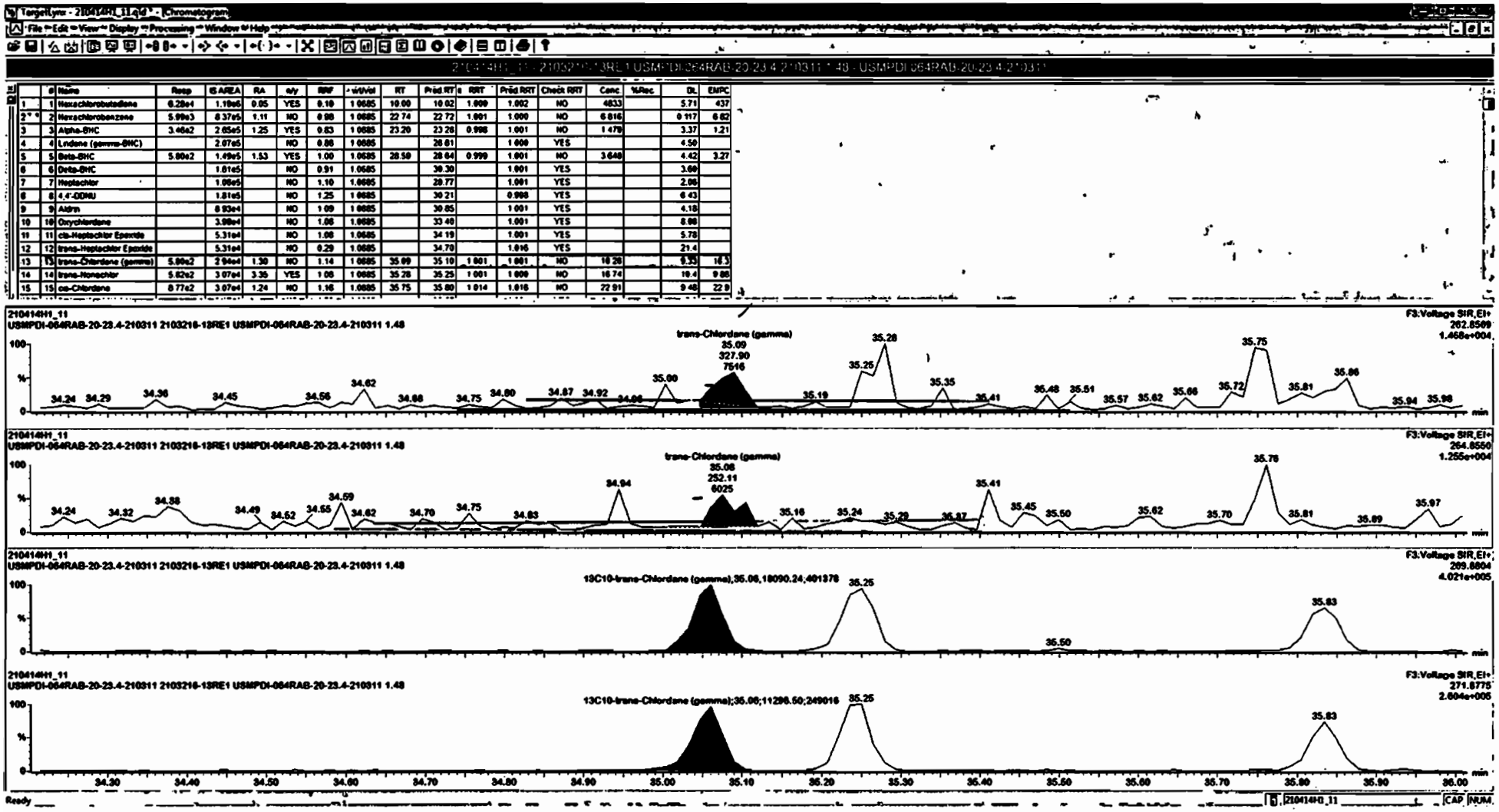
	#	Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1	Hexachlorobutadiene	6.28e4	1.19e6	0.05	YES	0.10	1.0685	10.00	10.02	1.000	1.002	NO	4833		5.71	437
2	2	Hexachlorobenzene	5.99e3	8.37e5	1.11	NO	0.98	1.0685	22.74	22.72	1.001	1.000	NO	6.816		0.117	6.82
3	3	Alpha-BHC	3.46e2	2.65e5	1.25	YES	0.83	1.0685	23.20	23.28	0.998	1.001	NO	1.479		3.37	1.22
4	4	Lindane (gamma-BHC)		2.07e5		NO	0.88	1.0685		26.61		1.000	YES			4.50	
5	5	Beta-BHC	5.80e2	1.49e5	1.53	YES	1.00	1.0685	28.50	28.64	0.999	1.001	NO	3.648		4.42	3.27
6	6	Delta-BHC		1.61e5		NO	0.91	1.0685		30.30		1.001	YES			3.60	
7	7	Heptachlor		1.06e5		NO	1.10	1.0685		28.77		1.001	YES			2.06	
8	8	4,4'-DDNU		1.81e5		NO	1.25	1.0685		30.21		0.998	YES			6.43	
9	9	Aldrin		8.93e4		NO	1.09	1.0685		30.85		1.001	YES			4.18	
10	10	Oxychlordane		3.98e4		NO	1.08	1.0685		33.40		1.001	YES			8.08	
11	11	cis-Heptachlor Epoxide		5.31e4		NO	1.08	1.0685		34.19		1.001	YES			5.78	
12	12	trans-Heptachlor Epoxide		5.31e4		NO	0.29	1.0685		34.70		1.016	YES			21.4	
13	13	trans-Chlordane (gamma)	5.38e2	2.94e4	1.09	YES	1.14	1.0685	35.09	35.10	1.001	1.001	NO	15.10		9.33	12.9
14	14	trans-Nonachlor	5.82e2	3.07e4	3.35	YES	1.06	1.0685	35.28	35.25	1.001	1.000	NO	16.74		10.4	9.88
15	15	cis-Chlordane	8.77e2	3.07e4	1.24	NO	1.18	1.0685	35.75	35.80	1.014	1.016	NO	22.91		9.48	22.9



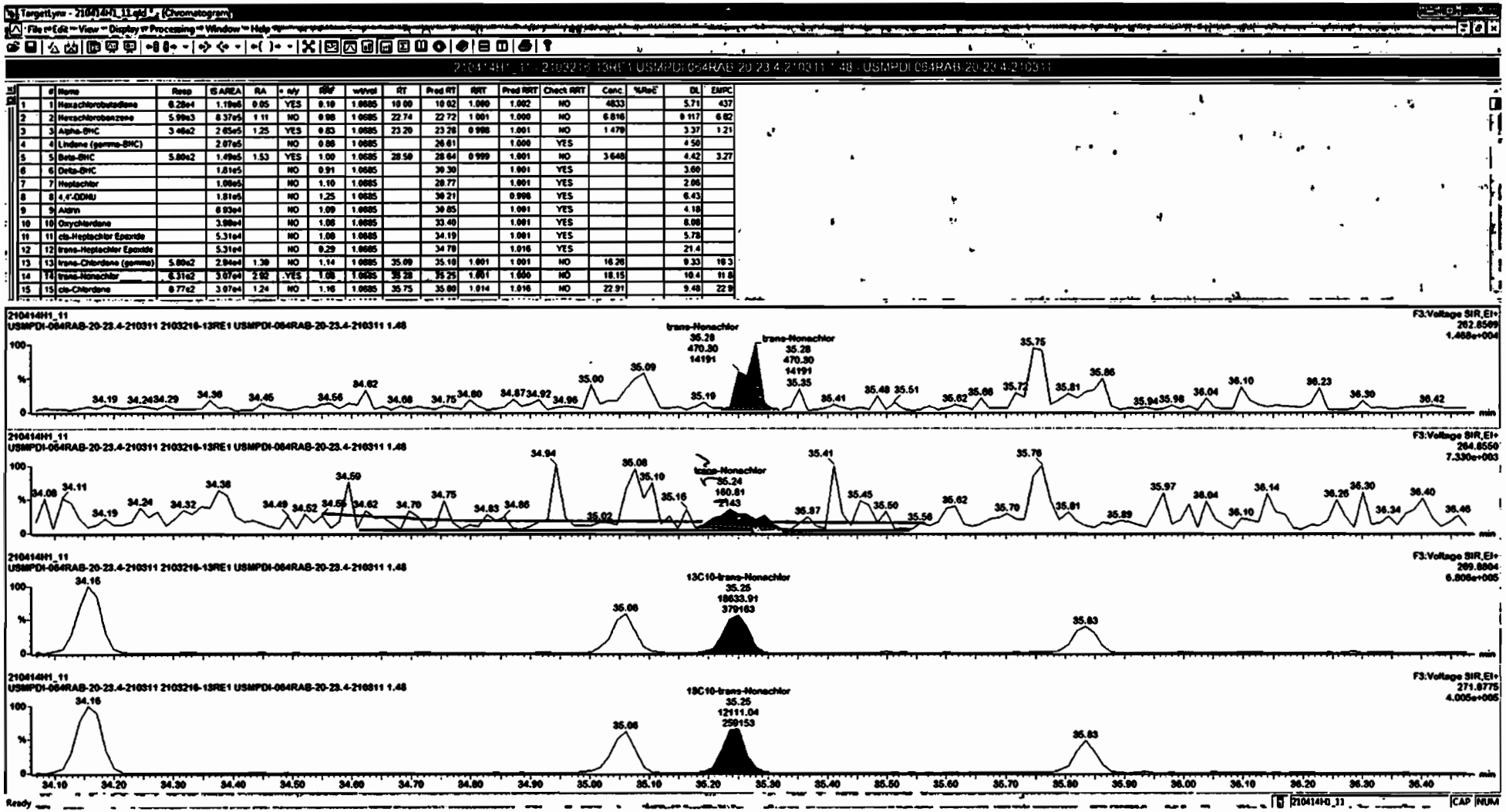








	#	Name	Resp	IS AREA	RA	a/y	RRF	Amt/Vol	RT	Pred RT	d RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
1	1	Hexachlorobutadiene	6.28e1	1.19e6	0.05	YES	0.10	1.0685	10.00	10.02	1.000	1.002	NO	4833		5.71	437
2	2	Hexachlorobenzene	5.99e3	8.37e5	1.11	NO	0.98	1.0685	22.74	22.72	1.001	1.000	NO	6.816		0.117	6.82
3	3	Alpha-BHC	3.46e2	2.65e5	1.25	YES	0.83	1.0685	23.20	23.26	0.998	1.001	NO	1.479		3.37	1.21
4	4	Lindane (gamma-BHC)		2.87e5		NO	0.88	1.0685		28.81		1.000	YES			4.56	
5	5	Beta-BHC	5.80e2	1.49e5	1.53	YES	1.00	1.0685	28.59	28.64	0.999	1.001	NO	3.648		4.42	3.27
6	6	Delta-BHC		1.81e5		NO	0.91	1.0685		30.30		1.001	YES			3.69	
7	7	Heptachlor		1.95e5		NO	1.10	1.0685		28.77		1.001	YES			2.06	
8	8	4,4'-ODMU		1.81e5		NO	1.25	1.0685		30.21		0.998	YES			6.43	
9	9	Aldrin		8.93e4		NO	1.09	1.0685		30.85		1.001	YES			4.18	
10	10	Oxychlordane		3.98e4		NO	1.06	1.0685		33.46		1.001	YES			8.98	
11	11	cis-Heptachlor Epoxide		5.31e4		NO	1.06	1.0685		34.19		1.001	YES			5.78	
12	12	trans-Heptachlor Epoxide		5.31e4		NO	0.29	1.0685		34.70		1.016	YES			21.4	
13	13	trans-Chlordane (gamma)	5.99e2	2.94e4	1.30	NO	1.14	1.0685	35.09	35.10	1.001	1.001	NO	18.26		9.35	16.3
14	14	trans-Nonachlor	5.82e2	3.07e4	3.35	YES	1.08	1.0685	35.28	35.25	1.001	1.000	NO	16.74		10.4	9.86
15	15	cis-Chlordane	8.77e2	3.07e4	1.24	NO	1.16	1.0685	35.75	35.80	1.014	1.016	NO	22.91		9.48	22.9



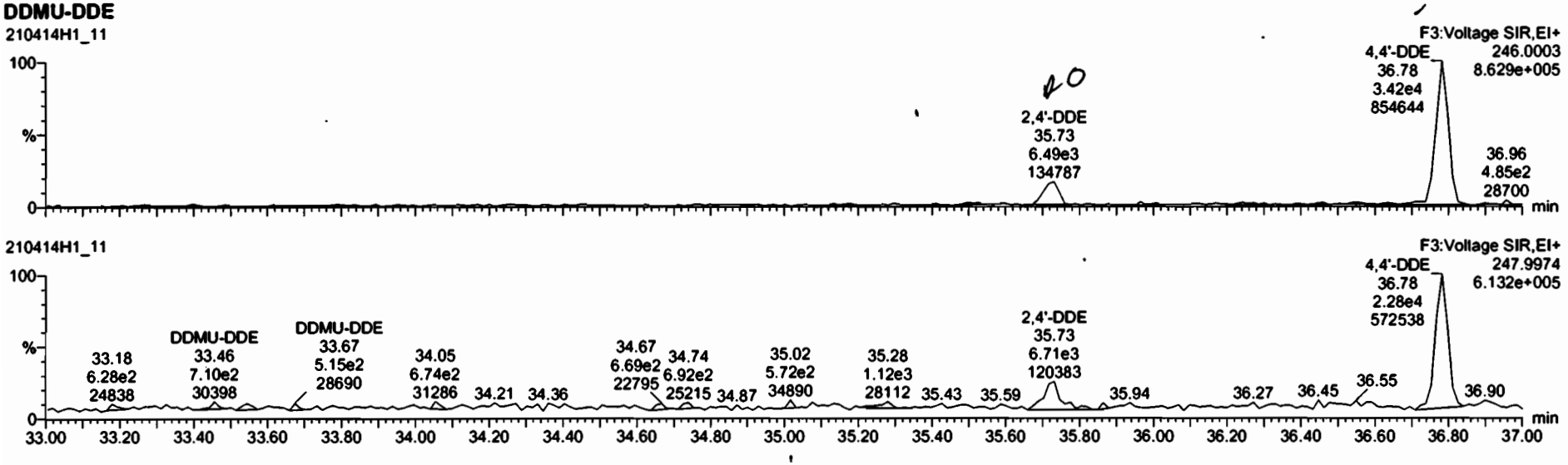
	#	Name	Resp	IS AREA	RA	+ a/y	RRF	wtvol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%RsE	DL	EMPC
1	1	Hexachlorobutadiene	8.28e4	1.19e6	0.05	YES	0.10	1.0685	19.99	19.92	1.000	1.002	NO	4833		5.71	437
2	2	Hexachlorobenzene	5.99e3	8.37e5	1.11	NO	0.98	1.0685	22.74	22.72	1.001	1.000	NO	6.816		0.117	6.82
3	3	Alpha-BHC	3.46e2	2.65e5	1.25	YES	0.83	1.0685	23.20	23.26	0.998	1.001	NO	1.479		3.37	1.21
4	4	Lindane (gamma-BHC)		2.07e5		NO	0.86	1.0685		26.61		1.000	YES			4.50	
5	5	Beta-BHC	5.80e2	1.49e5	1.53	YES	1.00	1.0685	28.59	28.64	0.999	1.001	NO	3.648		4.42	3.27
6	6	Delta-BHC		1.81e5		NO	0.91	1.0685		30.30		1.001	YES			3.66	
7	7	Heptachlor		1.09e5		NO	1.10	1.0685		29.77		1.001	YES			2.06	
8	8	4,4'-DDMU		1.81e5		NO	1.25	1.0685		30.21		0.998	YES			6.43	
9	9	Aldrin		8.93e4		NO	1.09	1.0685		30.85		1.001	YES			4.18	
10	10	Oxychlordane		3.98e4		NO	1.08	1.0685		33.40		1.001	YES			6.08	
11	11	cis-Heptachlor Epoxide		5.31e4		NO	1.08	1.0685		34.19		1.001	YES			5.78	
12	12	trans-Heptachlor Epoxide		5.31e4		NO	0.29	1.0685		34.78		1.016	YES			21.4	
13	13	trans-Chlordane (gamma)	5.80e2	2.94e4	1.30	NO	1.14	1.0685	35.09	35.10	1.001	1.001	NO	16.26		9.33	16.3
14	14	trans-Nonachlor	6.31e2	3.07e4	2.92	YES	1.08	1.0685	35.28	35.25	1.001	1.000	NO	18.15		10.4	11.8
15	15	cis-Chlordane	8.77e2	3.07e4	1.24	NO	1.16	1.0685	35.75	35.89	1.014	1.016	NO	22.91		9.48	22.9

Dataset: Untitled

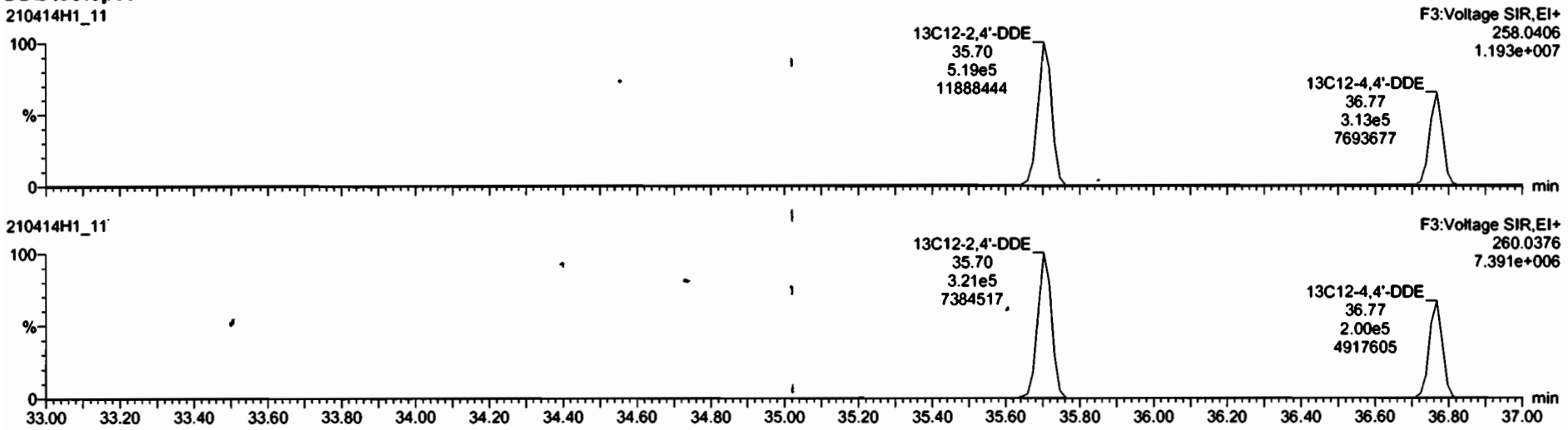
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

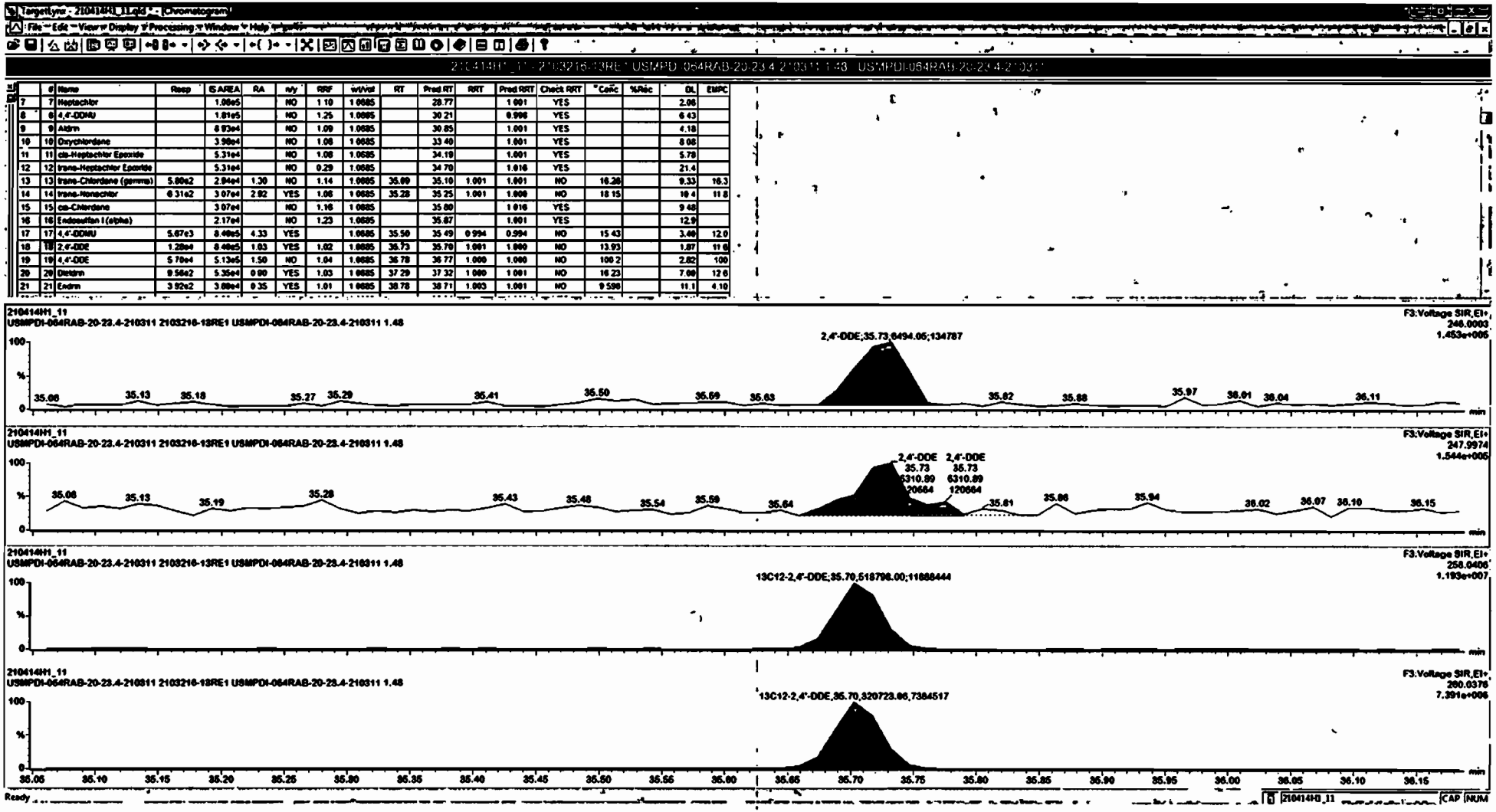
Name: 210414H1_11, Date: 14-Apr-2021, Time: 17:53:33, ID: 2103216-13RE1 USMPDI-064RAB-20-23.4-210311 1.48, Description: USMPDI-064RAB-20-23.4-210311

DDMU-DDE



DDE-isotopes

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210414H1_11 2103216-13RE1 USMPDI-064RAB-20-23.4-210311 1.48 USMPDI-064RAB-20-23.4-210311
Name Resp IS AREA RA n/y RRF w/v/vol RT Pred RT RRT Pred RRT Check RRT Conc %Rec DL EMPC
7 7 Heptachlor 1.06e5 1 10 1 0685 28.77 1 001 YES 2.06
8 8 4,4'-DDMU 1.81e5 1.25 NO 1.25 1.0685 30 21 0.998 YES 6 43
9 9 Aldrin 8 93e4 NO 1.09 1.0685 30 85 1.001 YES 4.18
10 10 Oxychlordane 3.98e4 NO 1.08 1.0685 33 40 1.001 YES 8 08
11 11 cis-Heptachlor Epoxide 5.31e4 NO 1.08 1.0685 34.19 1.001 YES 5.78
12 12 trans-Heptachlor Epoxide 5.31e4 NO 0.29 1.0685 34 70 1.016 YES 21.4
13 13 trans-Chlordane (gamma) 5.80e2 2.94e4 1.30 NO 1.14 1.0685 35.09 35.10 1.001 1.001 NO 16.26 9.33 16.3
14 14 trans-Nonachlor 6 31e2 3 07e4 2 92 YES 1.06 1 0685 35.28 35 25 1.001 1.000 NO 18 15 10 4 11 8
15 15 cis-Chlordane 3 07e4 NO 1.16 1 0685 35 80 1 016 YES 9 48
16 16 Endosulfan I (alpha) 2.17e4 NO 1.23 1.0685 35.87 1.001 YES 12.9
17 17 4,4'-DDMU 5.67e3 8.46e5 4.33 YES 1.0685 35.50 35 49 0 994 0.994 NO 15 43 3.46 12.0
18 18 2,4'-DDE 1.28e4 8 46e5 1.03 YES 1.02 1.0685 35.73 35.70 1.001 1.000 NO 13.93 1.87 11 6
19 19 4,4'-DDE 5 70e4 5.13e5 1.50 NO 1.04 1.0685 36 78 36 77 1.000 1.000 NO 100 2 2.82 100
20 20 Dieldrin 9 56e2 5.35e4 0 90 YES 1.03 1 0685 37 29 37 32 1 000 1 001 NO 16 23 7 00 12 6
21 21 Endrin 3 92e2 3 88e4 0 35 YES 1.01 1 0685 38.78 38 71 1.003 1.001 NO 9 598 11.1 4.10
210414H1_11
USMPDI-064RAB-20-23.4-210311 2103216-13RE1 USMPDI-064RAB-20-23.4-210311 1.48
F3:Voltage SIR,EI+
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35.08 35.13 35.18 35.27 35.29 35.41 35.50 35.59 35.63 35.82 35.88 35.97 36.01 36.04 36.11
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210414H1_11
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247.9974
1.544e+006
2,4'-DDE 35.73 6310.89 120684
2,4'-DDE 35.73 6310.89 120684
35.08 35.13 35.19 35.28 35.43 35.48 35.54 35.59 35.64 35.81 35.86 35.94 36.02 36.07 36.10 36.15
min
210414H1_11
USMPDI-064RAB-20-23.4-210311 2103216-13RE1 USMPDI-064RAB-20-23.4-210311 1.48
F3:Voltage SIR,EI+
258.0406
1.193e+007
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210414H1_11
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min
Ready
210414H1_11
CAP NUM

TargetLynx - 210414H1_11.qld * - Chromatogram

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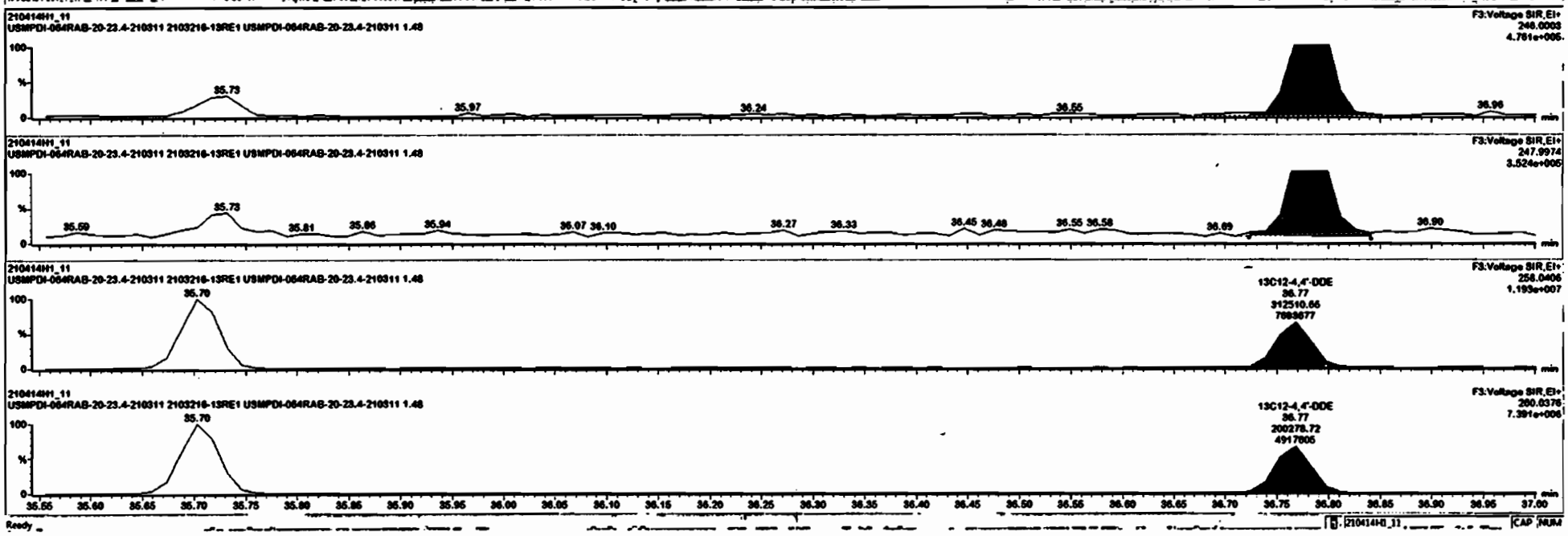
210414H1_11 - 2103216-13RE1 USMPDI-064RAB-20-23.4-210311 1.48 - USMPDI-064RAB-20-23.4-210311

	#	Name	Resp	AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
7	7	Heptachlor		1.06e5		NO	1.10	1.0685		28.77		1.001	YES			2.06	
8	8	4,4'-DDMU		1.81e5		NO	1.25	1.0685		30.21		0.998	YES			6.43	
9	9	Aldrin		8.93e4		NO	1.09	1.0685		30.85		1.001	YES			4.18	
10	10	Oxychlordane		3.98e4		NO	1.08	1.0685		33.40		1.001	YES			8.08	
11	11	cis-Heptachlor Epoxide		5.31e4		NO	1.08	1.0685		34.19		1.001	YES			5.78	
12	12	trans-Heptachlor Epoxide		5.31e4		NO	0.29	1.0685		34.70		1.016	YES			21.4	
13	13	trans-Chlordane (gamma)	5.80e2	2.94e4	1.30	NO	1.14	1.0685	35.09	35.10	1.001	1.001	NO	16.26		9.33	16.3
14	14	trans-Nonachlor	6.31e2	3.07e4	2.92	YES	1.06	1.0685	35.28	35.25	1.001	1.000	NO	18.15		10.4	11.8
15	15	cis-Chlordane		3.07e4		NO	1.16	1.0685		35.80		1.016	YES			9.48	
16	16	Endosulfan I (alpha)		2.17e4		NO	1.23	1.0685		35.87		1.001	YES			12.9	
17	17	4,4'-DDMU	5.67e3	8.40e5	4.33	YES		1.0685	35.50	35.49	0.994	0.994	NO	15.43		3.40	12.0
18	18	2,4'-DDE	1.28e4	8.40e5	1.03	YES	1.02	1.0685	35.73	35.70	1.001	1.000	NO	13.93		1.87	11.6
19	19	4,4'-DDE	5.69e4	5.13e5	1.45	NO	1.04	1.0685	36.78	36.77	1.000	1.000	NO	160.1		2.82	100
20	20	Dieldrin	9.56e2	5.35e4	0.90	YES	1.03	1.0685	37.29	37.32	1.000	1.001	NO	16.23		7.00	12.6
21	21	Endrin	3.92e2	3.80e4	0.35	YES	1.01	1.0685	38.78	38.71	1.003	1.001	NO	9.598		11.1	4.10



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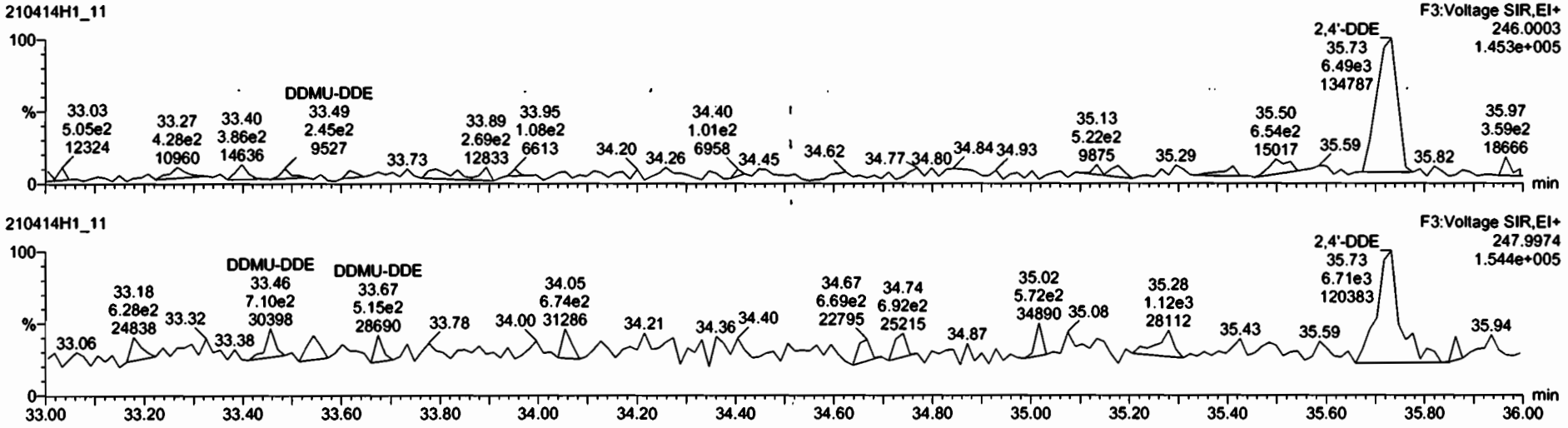
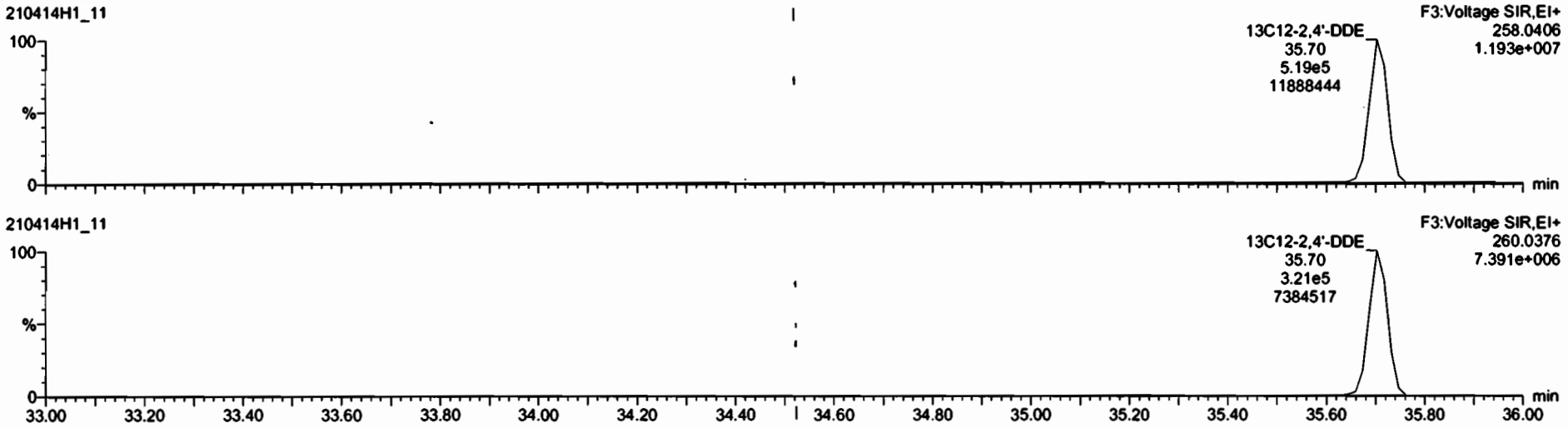
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_11, Date: 14-Apr-2021, Time: 17:53:33, ID: 2103216-13RE1 USMPDI-064RAB-20-23.4-210311 1.48, Description: USMPDI-064RAB-20-23.4-210311

2,4'-DDE



13C12-2,4'-DDE



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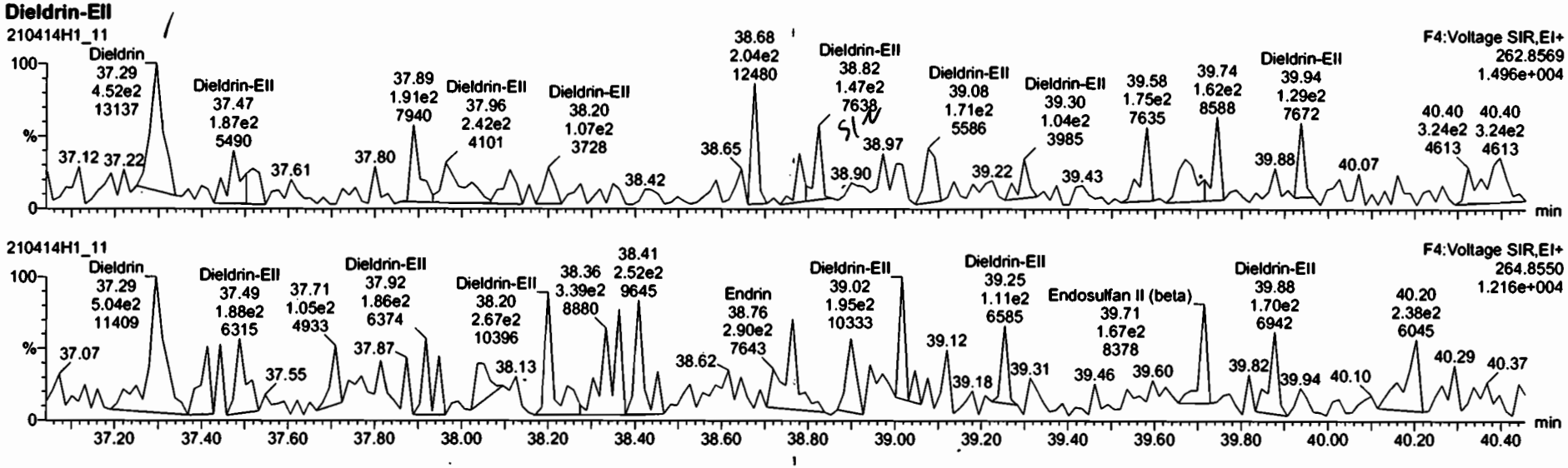
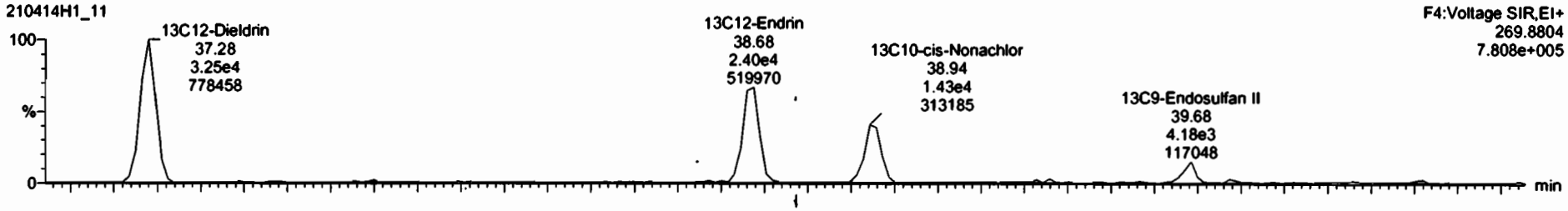
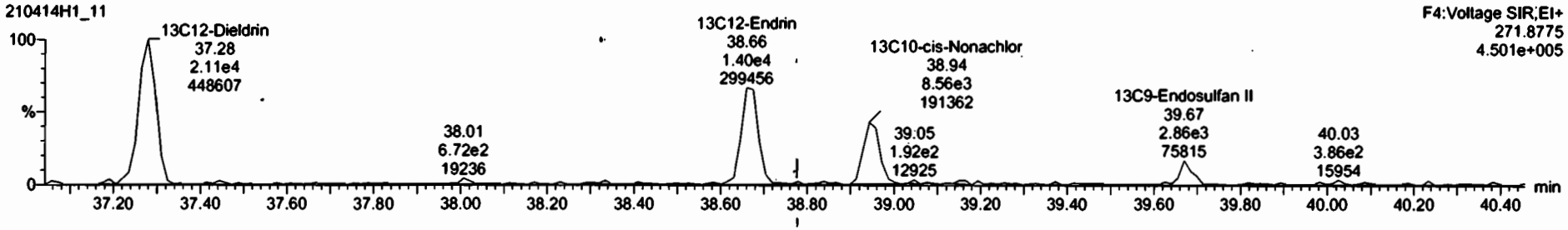
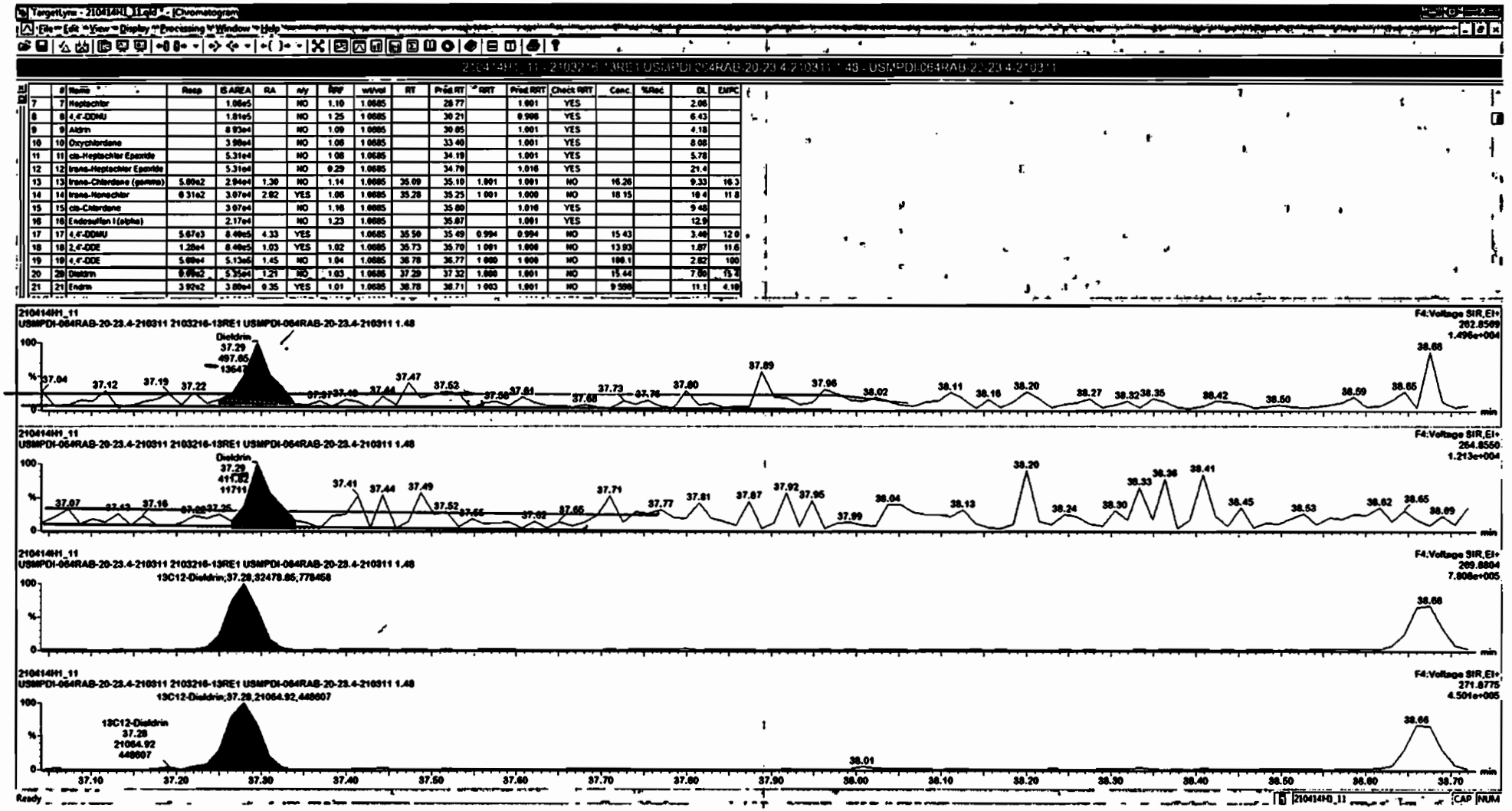
Dieldrin-EII



Dieldrin-EII-isotopes







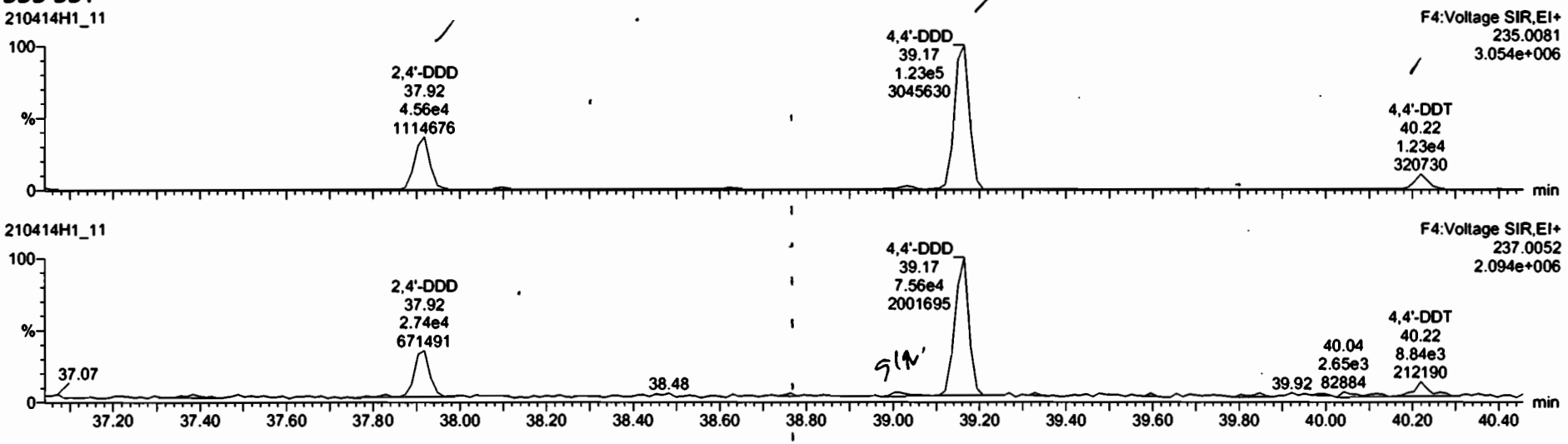
	#	Name	Resp	IS AREA	RA	a/y	RRF	w/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
7	7	Heptachlor		1.06e5		NO	1.10	1.0685		28.77		1.001	YES			2.06	
8	8	4,4'-DDMU		1.81e5		NO	1.25	1.0685		30.21		0.998	YES			6.43	
9	9	Aldrin		8.93e4		NO	1.09	1.0685		30.85		1.001	YES			4.18	
10	10	Oxychlordane		3.98e4		NO	1.06	1.0685		33.40		1.001	YES			8.08	
11	11	cis-Heptachlor Epoxide		5.31e4		NO	1.08	1.0685		34.19		1.001	YES			5.78	
12	12	trans-Heptachlor Epoxide		5.31e4		NO	0.29	1.0685		34.78		1.016	YES			21.4	
13	13	trans-Chlordane (gamma)	5.00e2	2.94e4	1.30	NO	1.14	1.0685	35.09	35.10	1.001	1.001	NO	16.26		9.33	16.3
14	14	trans-Nonachlor	8.31e2	3.07e4	2.82	YES	1.06	1.0685	35.28	35.25	1.001	1.000	NO	18.15		10.4	11.8
15	15	cis-Chlordane		3.07e4		NO	1.16	1.0685		35.60		1.016	YES			9.48	
16	16	Endosulfan I (alpha)		2.17e4		NO	1.23	1.0685		35.87		1.001	YES			12.9	
17	17	4,4'-DDMU	5.67e3	8.49e5	4.33	YES		1.0685	36.50	35.49	0.994	0.994	NO	15.43		3.49	12.0
18	18	2,4'-DDE	1.28e4	8.49e5	1.03	YES	1.02	1.0685	36.73	36.70	1.001	1.000	NO	13.93		1.87	11.6
19	19	4,4'-DDE	5.69e4	5.13e5	1.45	NO	1.04	1.0685	36.78	36.77	1.000	1.000	NO	100.1		2.62	100
20	20	Dieldrin	8.09e2	5.35e4	1.21	NO	1.03	1.0685	37.29	37.32	1.000	1.001	NO	15.44		7.50	15.4
21	21	Endrin	3.92e2	3.89e4	0.35	YES	1.01	1.0685	38.78	38.71	1.003	1.001	NO	9.599		11.1	4.19

Dataset: Untitled

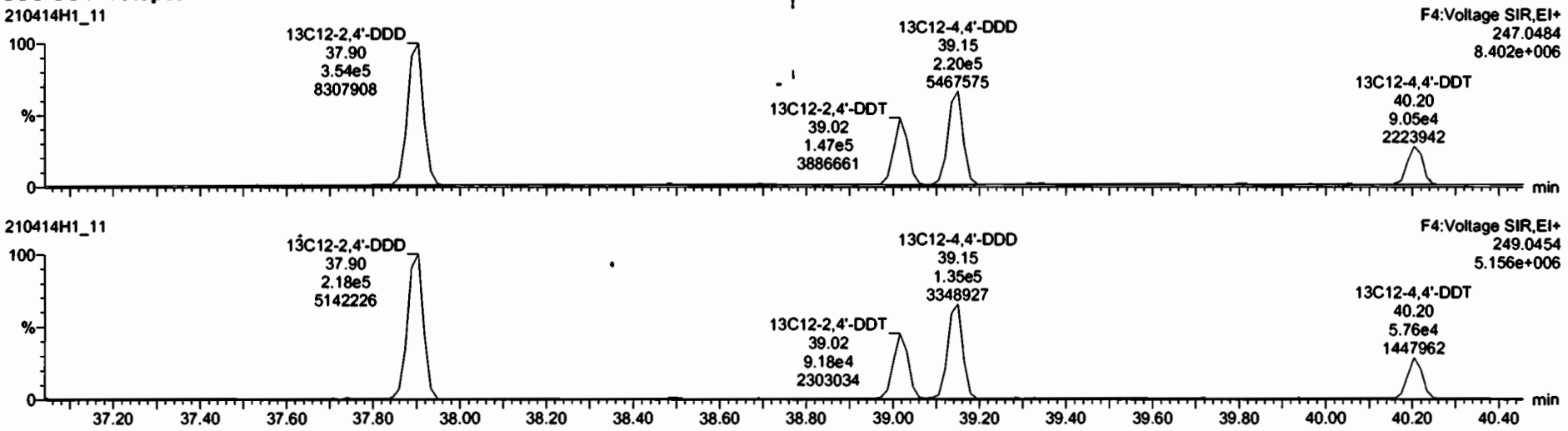
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

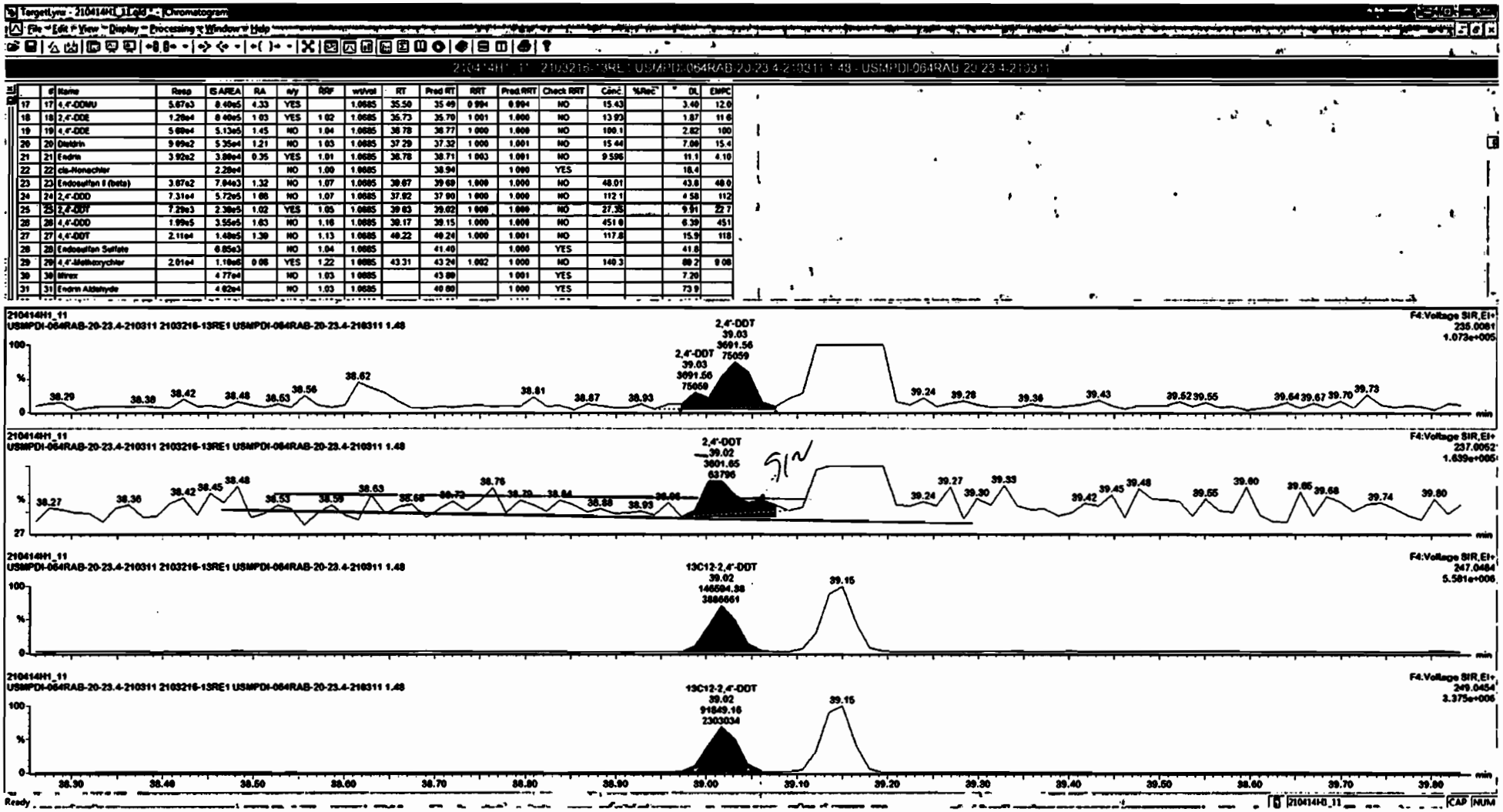
Name: 210414H1_11, Date: 14-Apr-2021, Time: 17:53:33, ID: 2103216-13RE1 USMPDI-064RAB-20-23.4-210311 1.48, Description: USMPDI-064RAB-20-23.4-210311

DDD-DDT



DDD-DDT-isotopes





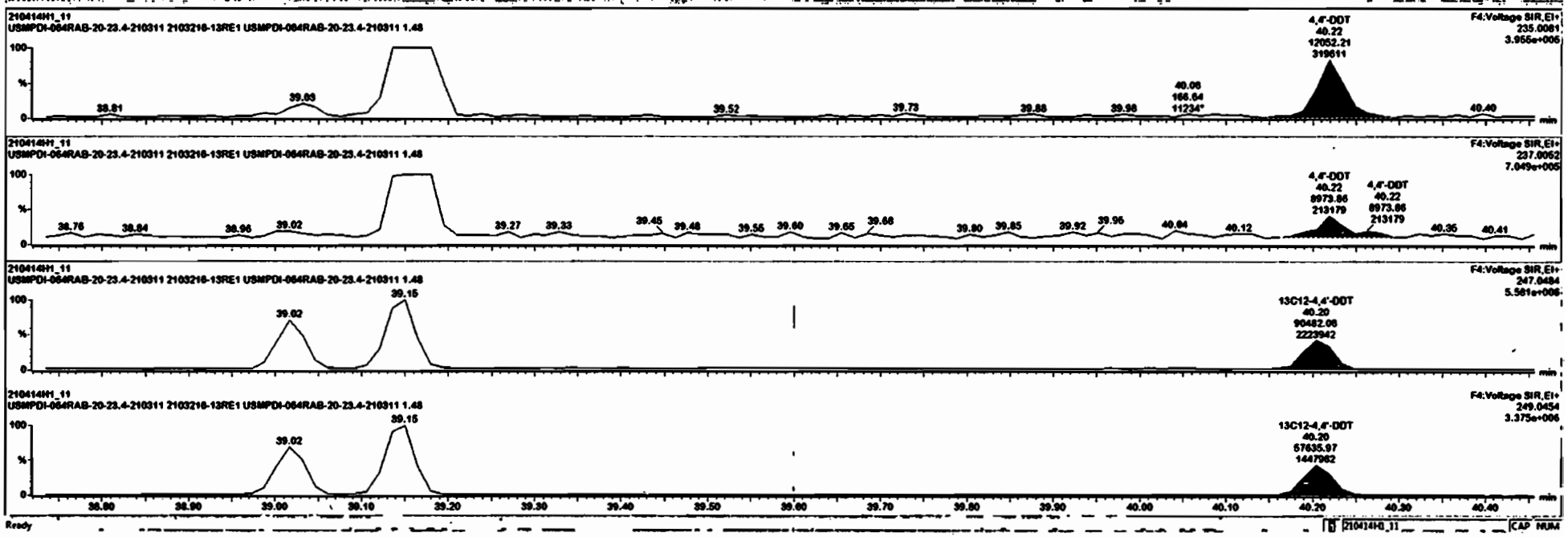
	d	Name	Resp	IS AREA	RA	rdy	RRF	wtval	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
17	17	4,4'-DDMU	5.67e3	8.40e5	4.33	YES		1.0685	35.50	35.49	0.994	0.994	NO	15.43		3.40	12.0
18	18	2,4'-DDE	1.28e4	8.40e5	1.03	YES	1.02	1.0685	35.73	35.70	1.001	1.000	NO	13.93		1.87	11.6
19	19	4,4'-DDE	5.69e4	5.13e5	1.45	NO	1.04	1.0685	36.78	36.77	1.000	1.000	NO	100.1		2.82	100
20	20	Dieldrin	9.99e2	5.35e4	1.21	NO	1.03	1.0685	37.29	37.32	1.000	1.001	NO	15.44		7.08	15.4
21	21	Endrin	3.92e2	3.80e4	0.35	YES	1.01	1.0685	38.78	38.71	1.003	1.001	NO	9.596		11.1	4.10
22	22	cis-Nonachlor		2.28e4		NO	1.00	1.0685		38.94		1.000	YES			18.4	
23	23	Endosulfan II (beta)	3.67e2	7.94e3	1.32	NO	1.07	1.0685	39.67	39.69	1.000	1.000	NO	48.01		43.8	48.0
24	24	2,4'-DDD	7.31e4	5.72e5	1.66	NO	1.07	1.0685	37.92	37.90	1.000	1.000	NO	112.1		4.58	112
25	25	2,4'-DDT	7.29e3	2.38e5	1.02	YES	1.05	1.0685	39.83	39.02	1.000	1.000	NO	27.35		9.91	22.7
26	26	4,4'-DDD	1.99e5	3.55e5	1.63	NO	1.16	1.0685	39.17	39.15	1.000	1.000	NO	451.8		6.39	451
27	27	4,4'-DDT	2.11e4	1.48e5	1.39	NO	1.13	1.0685	40.22	40.24	1.000	1.001	NO	117.8		15.9	118
28	28	Endosulfan Sulfate		6.85e3		NO	1.04	1.0685		41.49		1.000	YES			41.8	
29	29	4,4'-Methoxychlor	2.01e4	1.19e6	0.68	YES	1.22	1.0685	43.31	43.24	1.002	1.000	NO	148.3		89.2	9.68
30	30	Mirex		4.77e4		NO	1.03	1.0685		43.89		1.001	YES			7.20	
31	31	Endrin Aldehyde		4.62e4		NO	1.03	1.0685		40.80		1.000	YES			73.9	

TargetLynx - 210414H1_11.qld * - Chromatogram

File Edit View Display Processing Window Help

210414H1_11 - 2103216-13RE1 USMPDI-064RAB-20-23.4-210311 1.48 - USMPDI-064RAB-20-23.4-210311

	#	Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
17	17	4,4'-DDMU	5.67e3	8.40e5	4.33	YES		1.0685	35.50	35.49	0.994	0.994	NO	15.43		3.40	12.0
18	18	2,4'-DDE	1.28e4	8.40e5	1.03	YES	1.02	1.0685	35.73	35.70	1.001	1.000	NO	13.93		1.87	11.6
19	19	4,4'-DDE	5.69e4	5.13e5	1.45	NO	1.04	1.0685	36.78	36.77	1.000	1.000	NO	100.1		2.82	100
20	20	Dieldrin	9.09e2	5.35e4	1.21	NO	1.03	1.0685	37.29	37.32	1.000	1.001	NO	15.44		7.00	15.4
21	21	Endrin	3.92e2	3.80e4	0.35	YES	1.01	1.0685	38.78	38.71	1.003	1.001	NO	9.596		11.1	4.10
22	22	cis-Nonachlor		2.28e4		NO	1.00	1.0685		38.94		1.000	YES			18.4	
23	23	Endosulfan II (beta)	3.87e2	7.04e3	1.32	NO	1.07	1.0685	39.67	39.69	1.000	1.000	NO	48.01		43.8	48.0
24	24	2,4'-DDD	7.31e4	5.72e5	1.68	NO	1.07	1.0685	37.92	37.90	1.000	1.000	NO	112.1		4.58	112
25	25	2,4'-DDT	7.29e3	2.38e5	1.02	YES	1.05	1.0685	39.03	39.02	1.000	1.000	NO	27.35		9.91	22.7
26	26	4,4'-DDD	1.99e5	3.55e5	1.63	NO	1.16	1.0685	39.17	39.15	1.000	1.000	NO	451.0		6.39	451
27	27	4,4'-DDT	2.10e4	1.48e5	1.34	NO	1.13	1.0685	40.22	40.24	1.000	1.001	NO	117.3		15.9	117
28	28	Endosulfan Sulfate		6.85e3		NO	1.04	1.0685		41.40		1.000	YES			41.8	
29	29	4,4'-Methoxychlor	2.01e4	1.10e6	0.08	YES	1.22	1.0685	43.31	43.24	1.002	1.000	NO	140.3		89.2	9.08
30	30	Mirex		4.77e4		NO	1.03	1.0685		43.80		1.001	YES			7.20	
31	31	Endrin Aldehyde		4.02e4		NO	1.03	1.0685		40.80		1.000	YES			73.9	



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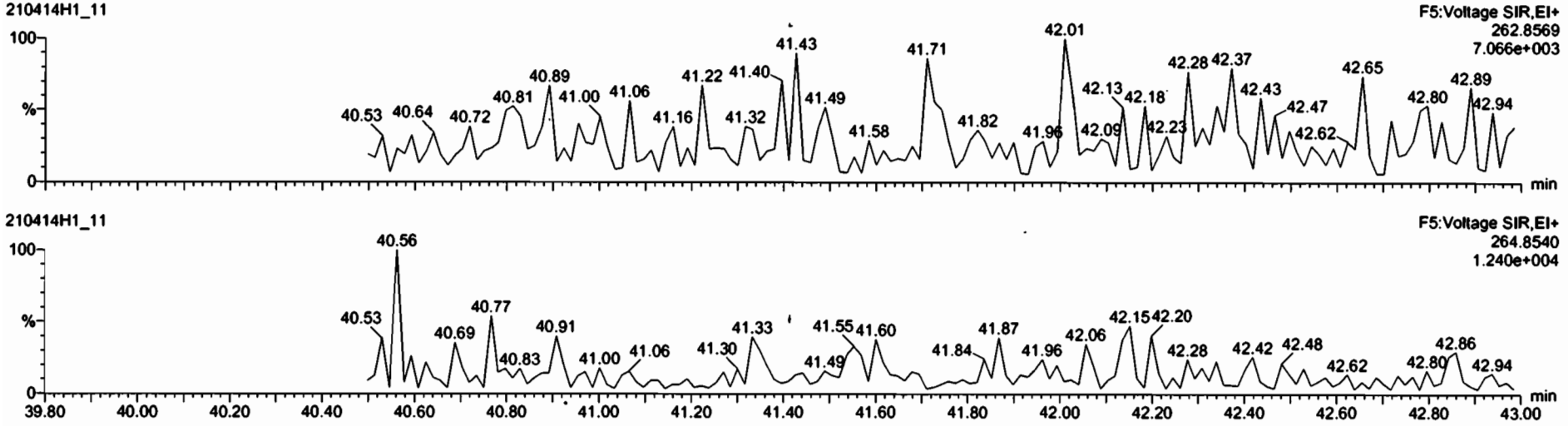
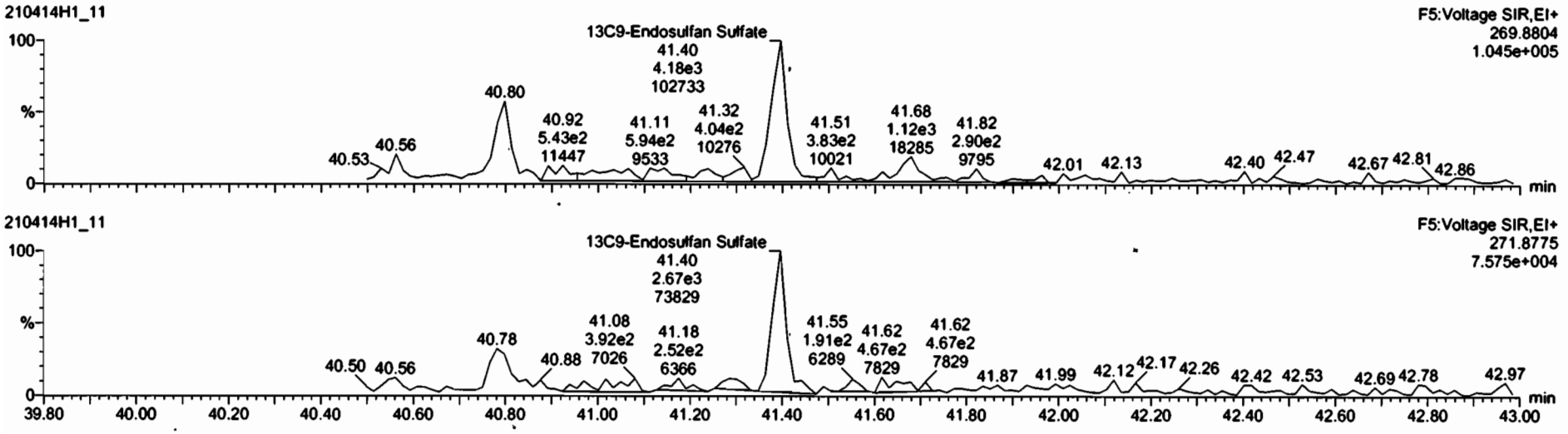
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_11, Date: 14-Apr-2021, Time: 17:53:33, ID: 2103216-13RE1 USMPDI-064RAB-20-23.4-210311 1.48, Description: USMPDI-064RAB-20-23.4-210311

Endosulfan Sulfate



13C9-Endosulfan Sulfate



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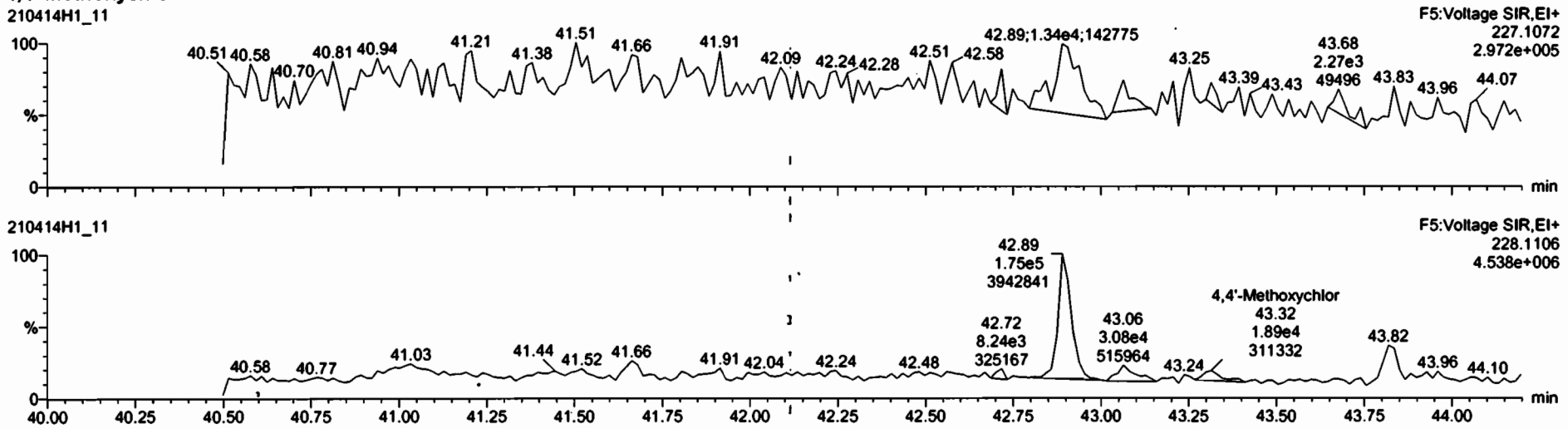
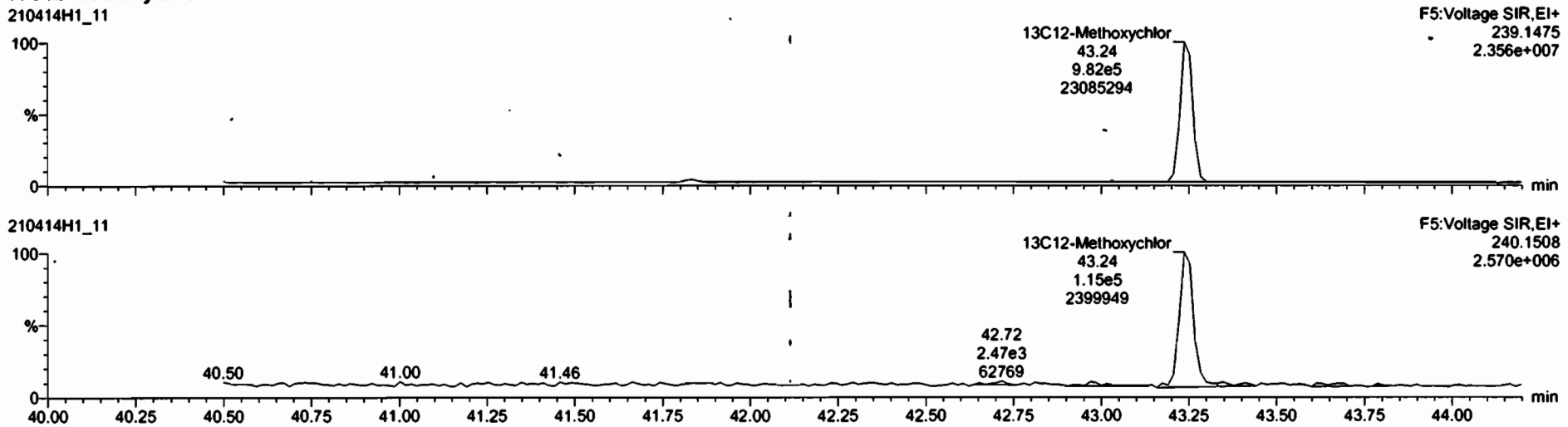
Name: 210414H1_11, Date: 14-Apr-2021, Time: 17:53:33, ID: 2103216-13RE1 USMPDI-064RAB-20-23.4-210311 1.48, Description: USMPDI-064RAB-20-23.4-210311

4,4'-Methoxychlor



13C12-Methoxychlor



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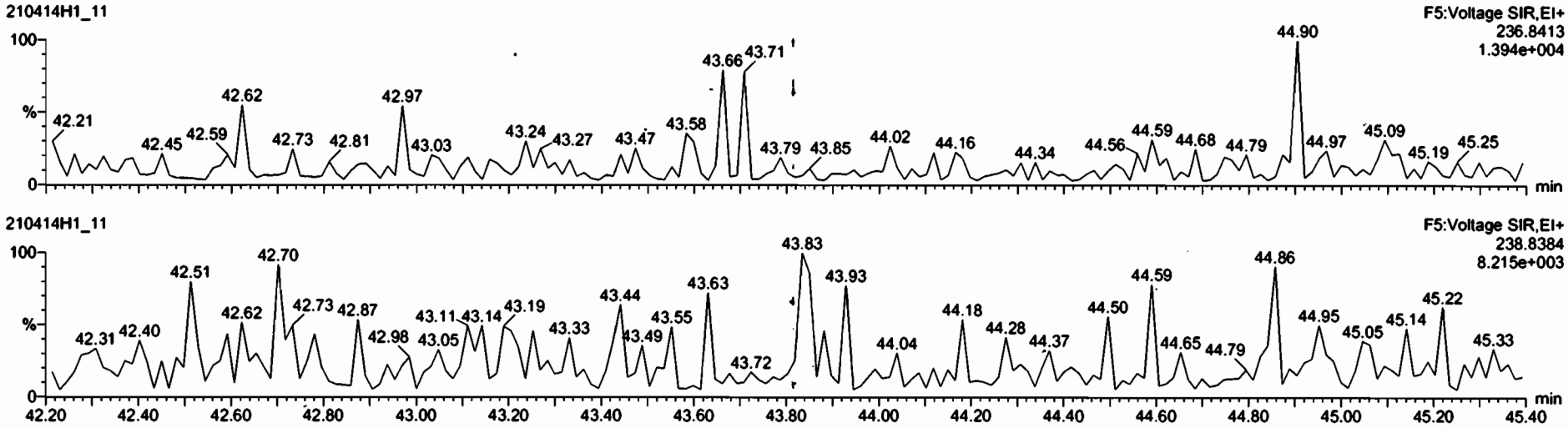
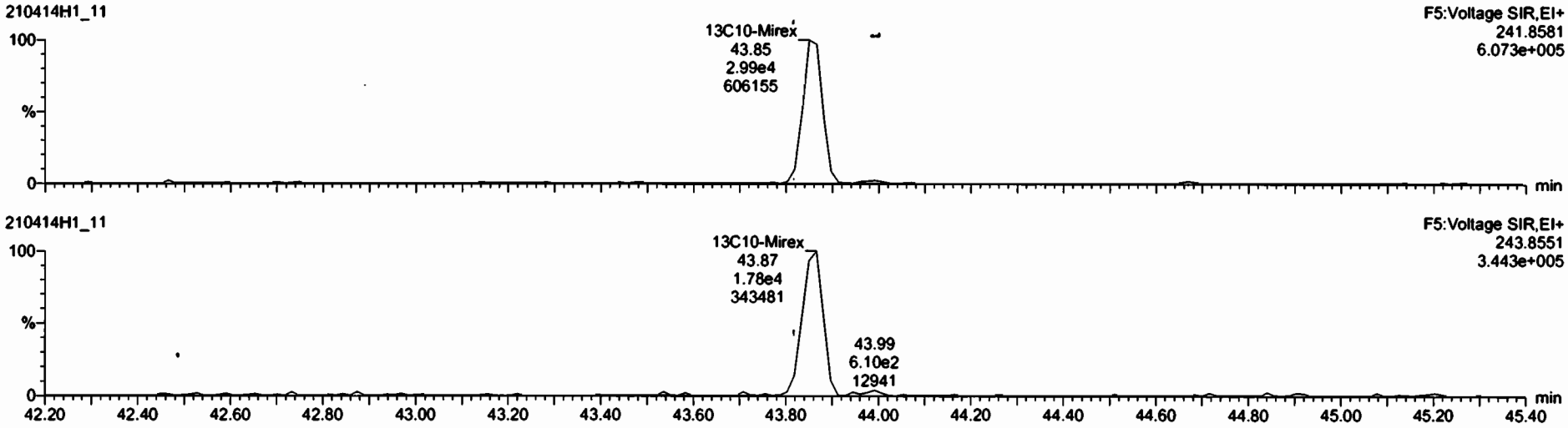
Name: 210414H1_11, Date: 14-Apr-2021, Time: 17:53:33, ID: 2103216-13RE1 USMPDI-064RAB-20-23.4-210311 1.48, Description: ŨSMPDI-064RAB-20-23.4-210311

Mirex



13C10-Mirex



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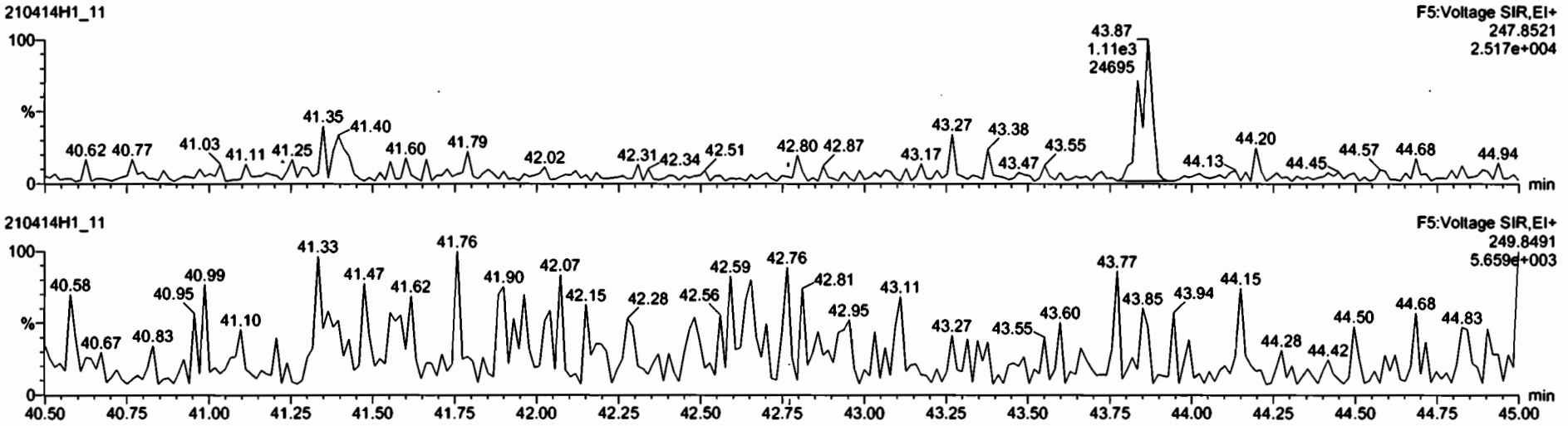
Name: 210414H1_11, Date: 14-Apr-2021, Time: 17:53:33, ID: 2103216-13RE1 USMPDI-064RAB-20-23.4-210311 1.48, Description: USMPDI-064RAB-20-23.4-210311

EA-EK



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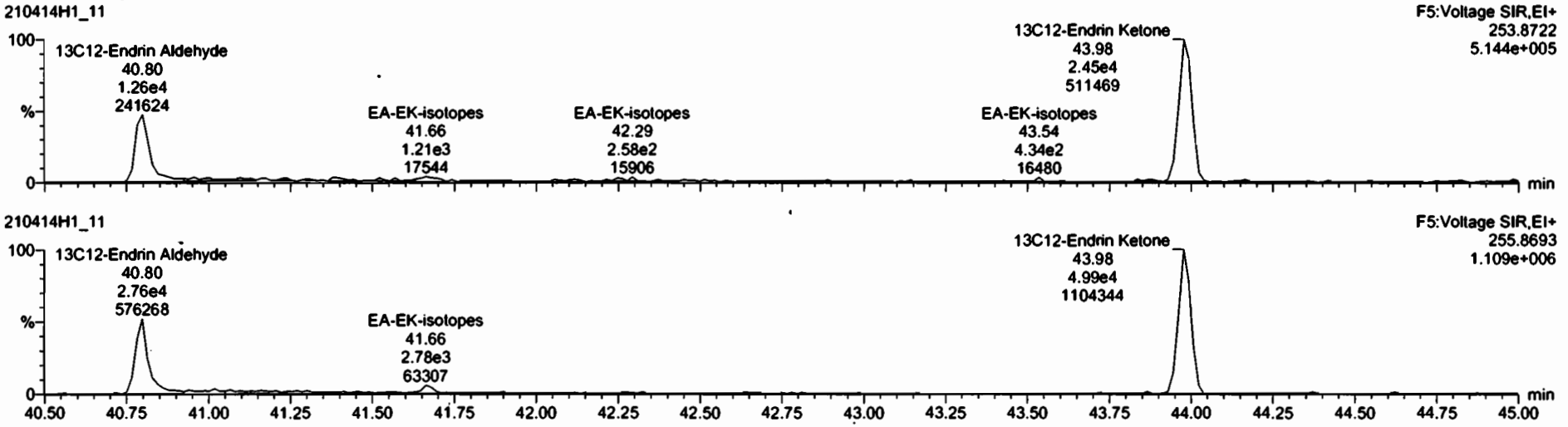

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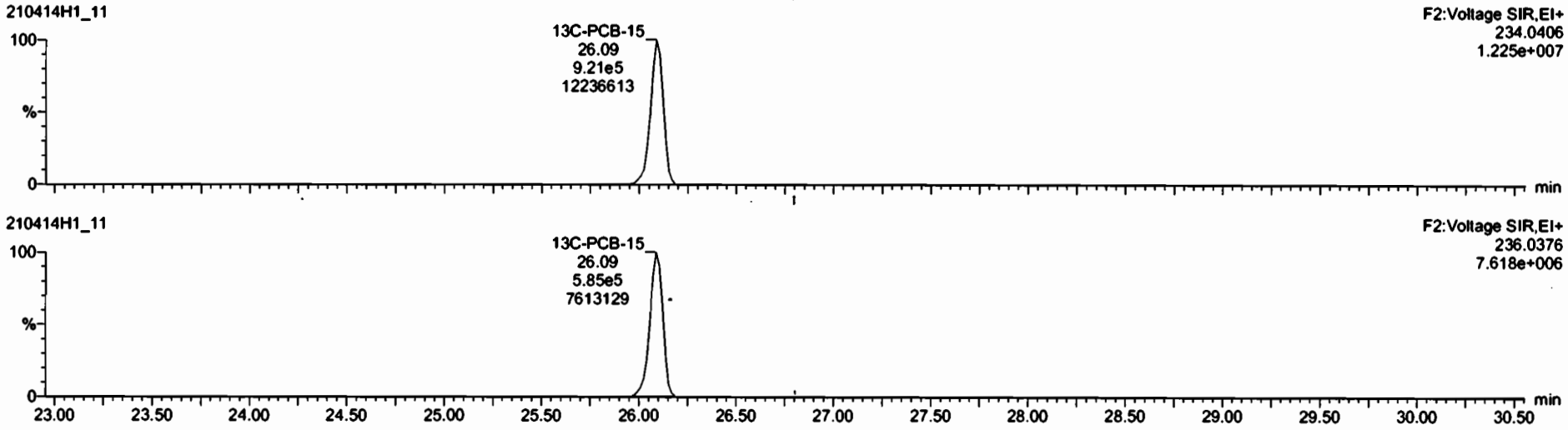
13C-PCB-15



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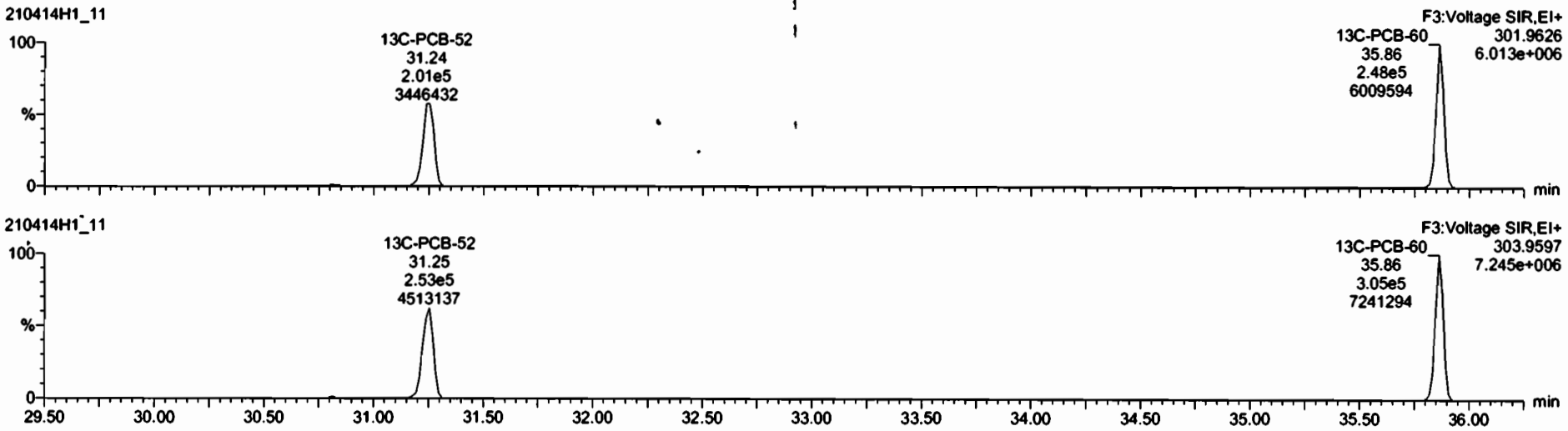

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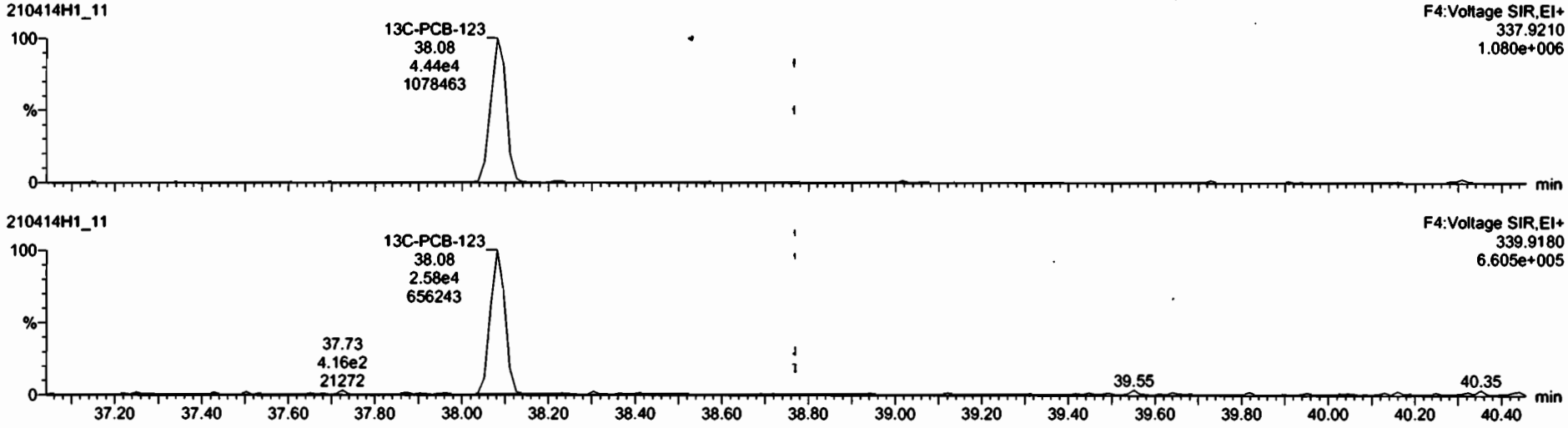
13C-PCB-123



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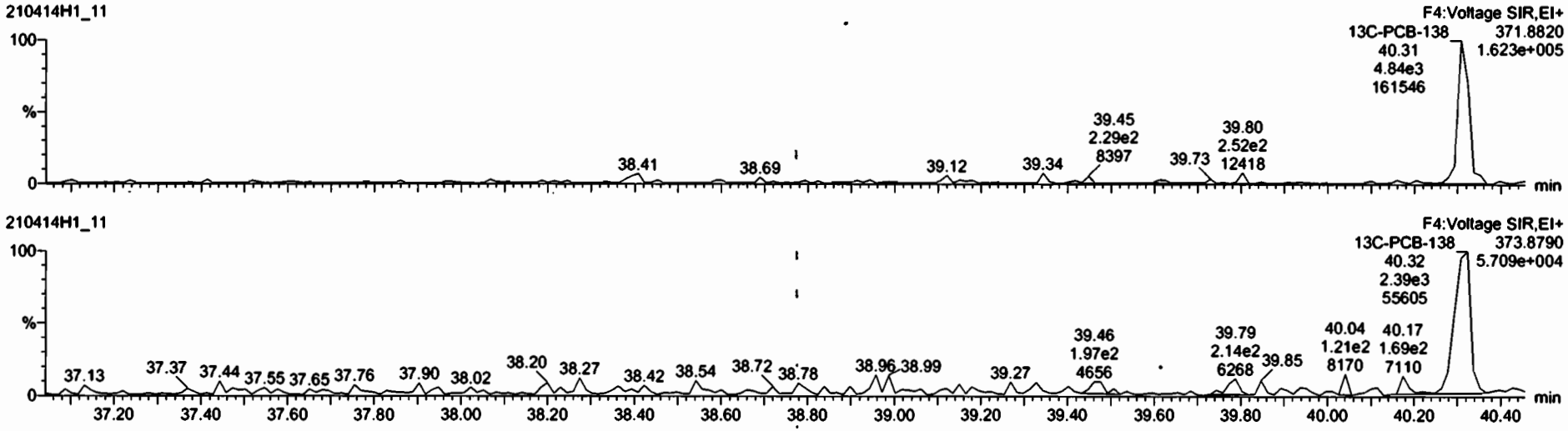

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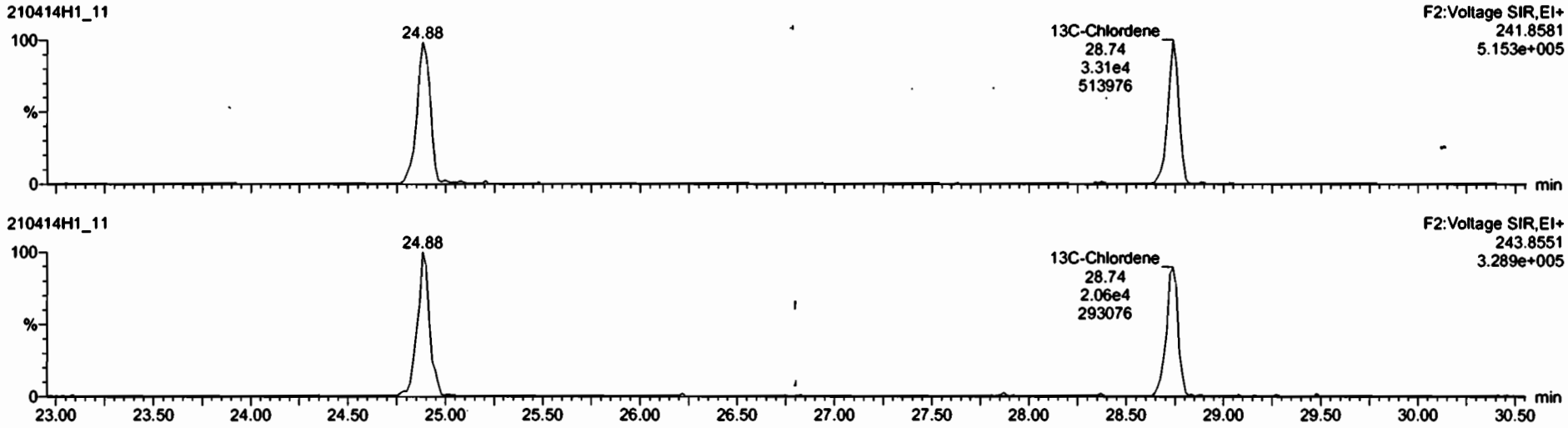
Name: 210414H1_11, Date: 14-Apr-2021, Time: 17:53:33, ID: 2103216-13RE1 USMPDI-064RAB-20-23.4-210311 1.48, Description: USMPDI-064RAB-20-23.4-210311

13C-Chlordene



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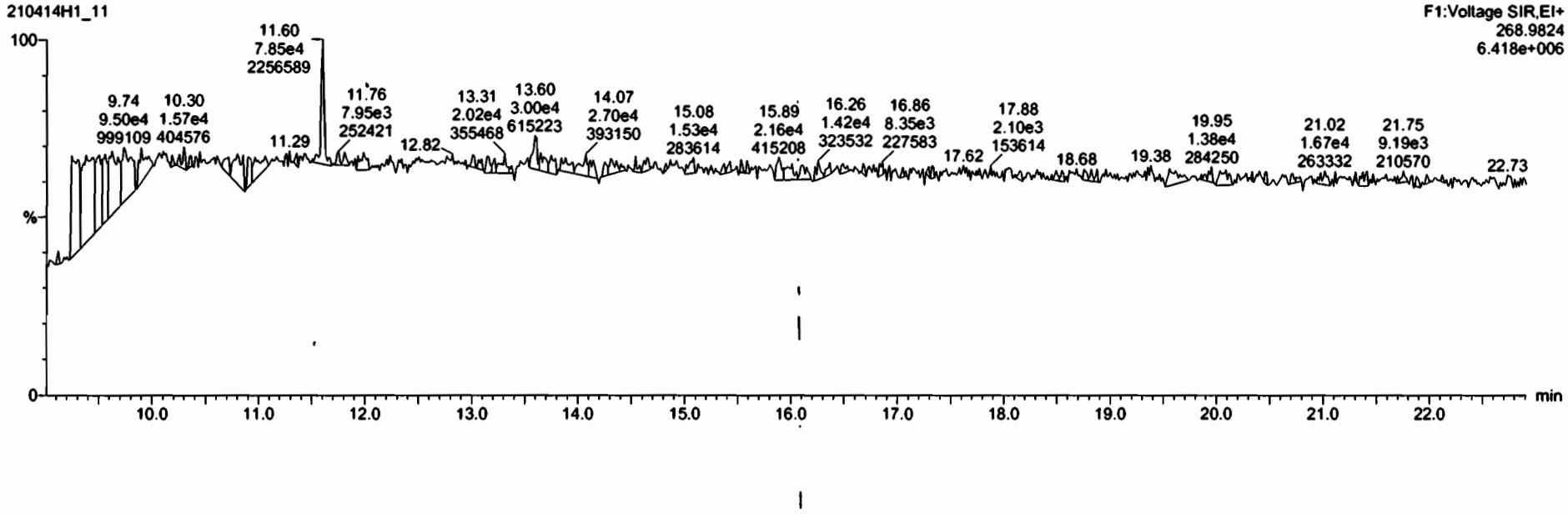

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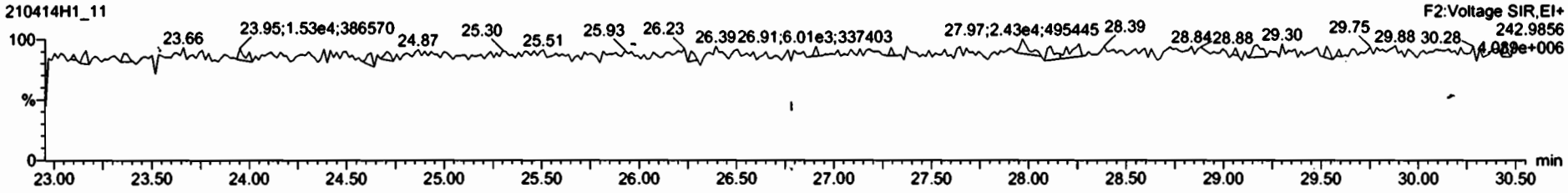
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_11, Date: 14-Apr-2021, Time: 17:53:33, ID: 2103216-13RE1 USMPDI-064RAB-20-23.4-210311 1.48, Description: USMPDI-064RAB-20-23.4-210311

PFK2



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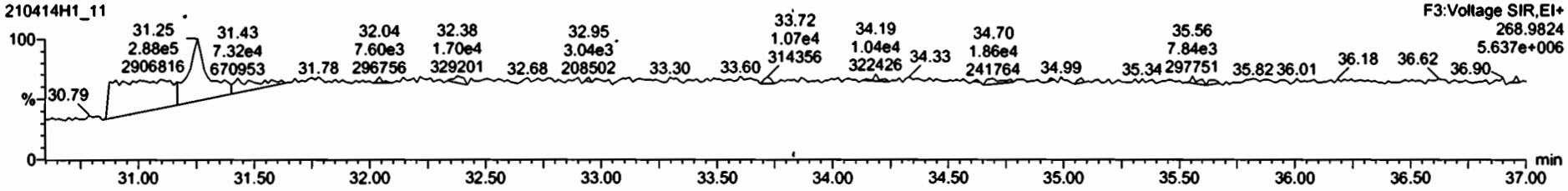
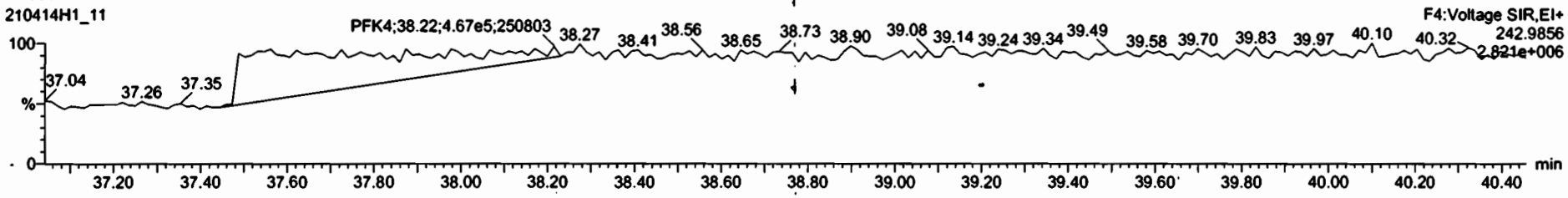
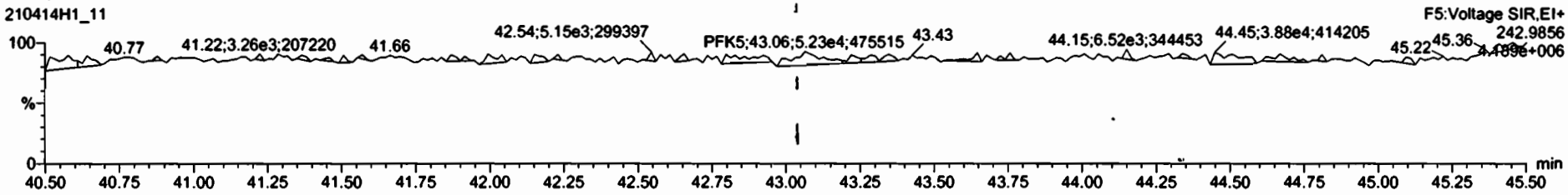


PFK4



PFK5



Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_10.qld

Last Altered: Friday, April 16, 2021 14:59:14 Pacific Daylight Time
Printed: Friday, April 16, 2021 15:00:20 Pacific Daylight Time

OC 04/28/21
DF 04/16/21
CT 05/03/2021

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_10, Date: 14-Apr-2021, Time: 17:05:15, ID: 2103216-14RE1 USMPDI-1064RAB-10-20-210311 1.45, Description: USMPDI-1064RAB-10-20-210311, Task: ST210414H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	4	Lindane (gamma-...		1.87e5		NO	0.860	1.034			1.000	YES			6.46	
2	9	Aldrin		2.32e4		NO	1.09	1.034			1.001	YES			15.4	
3	10	Oxychlordane	1.96e2	3.04e4	1.08	YES	1.06	1.034	33.43	1.001	1.001	NO	5.8624		11.2	4.99
4	13	trans-Chlordane (g...		2.43e4		NO	1.14	1.034			1.001	YES			11.8	
5	14	trans-Nonachlor		2.37e4		NO	1.06	1.034			1.000	YES			13.1	
6	15	cis-Chlordane		2.37e4		NO	1.16	1.034			1.016	YES			11.9	
7	18	2,4'-DDE	1.45e4	6.40e5	1.24	NO	1.02	1.034	35.73	1.000	1.000	NO	21.326		2.28	21.3
8	19	4,4'-DDE	7.91e4	3.77e5	1.43	NO	1.04	1.034	36.81	1.000	1.000	NO	195.31		3.56	195
9	20	Dieldrin	1.64e3	4.28e4	2.21	YES	1.03	1.034	37.32	1.000	1.001	NO	36.056		13.1	28.7
10	22	cis-Nonachlor		1.62e4		NO	1.00	1.034			1.000	YES			32.7	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_10.qld

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Printed: Friday, April 16, 2021 14:59:56 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_10, Date: 14-Apr-2021, Time: 17:05:15, ID: 2103216-14RE1 USMPDI-1064RAB-10-20-210311 1.45, Description: USMPDI-1064RAB-10-20-210311, Task: ST210414H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	24	2,4'-DDD	1.16e5	4.25e5	1.69	NO	1.07	1.034	37.93	1.001	1.000	NO	247.09		6.97	247
2	25	2,4'-DDT		1.77e5		NO	1.05	1.034			1.000	YES			16.6	
3	26	4,4'-DDD	2.97e5	2.63e5	1.62	NO	1.16	1.034	39.17	1.000	1.000	NO	938.91		9.40	939
4	27	4,4'-DDT		1.07e5		NO	1.13	1.034			1.001	YES			24.8	
5	36	13C6-Lindane (ga...	1.87e5	1.22e6	0.77	NO	0.194	1.034	26.62	1.020	1.019	NO	765.23	79.1	4.11	
6	40	13C12-Aldrin	2.32e4	1.22e6	1.69	NO	0.154	1.034	30.83	1.181	1.181	NO	119.52	12.4	4.88	
7	41	13C10-Oxychlorda...	3.04e4	1.22e6	1.57	NO	0.0404	1.034	33.38	1.279	1.280	NO	596.31	61.7	18.6	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_10.qld

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Printed: Friday, April 16, 2021 14:59:36 Pacific Daylight Time

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Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_10, Date: 14-Apr-2021, Time: 17:05:15, ID: 2103216-14RE1 USMPDI-1064RAB-10-20-210311 1.45, Description: USMPDI-1064RAB-10-20-210311, Task: ST210414H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	43	13C10-trans-Chlor...	2.43e4	1.22e6	1.46	NO	0.0358	1.034	35.06	1.343	1.344	NO	538.53	55.7	21.0	
2	44	13C10-trans-Nona...	2.37e4	3.90e5	1.58	NO	0.0638	1.034	35.25	0.982	0.983	NO	921.59	95.3	20.5	
3	46	13C12-2,4'-DDE	6.40e5	3.90e5	1.60	NO	1.43	1.034	35.72	0.996	0.995	NO	1107.1	114	3.30	
4	47	13C12-4,4'-DDE	3.77e5	3.90e5	1.58	NO	0.995	1.034	36.80	1.026	1.026	NO	940.51	97.2	4.76	
5	48	13C12-Dieldrin	4.28e4	3.90e5	1.59	NO	0.146	1.034	37.31	1.040	1.040	NO	724.64	74.9	19.4	
6	50	13C10-cis-Nonach...	1.62e4	3.90e5	1.50	NO	0.0791	1.034	38.96	1.086	1.087	NO	505.96	52.3	35.9	
7	52	13C12-2,4'-DDD	4.25e5	3.90e5	1.62	NO	1.35	1.034	37.90	1.056	1.057	NO	778.08	80.5	6.97	
8	53	13C12-2,4'-DDT	1.77e5	3.90e5	1.62	NO	0.962	1.034	39.03	1.088	1.089	NO	455.25	47.1	9.80	
9	54	13C12-4,4'-DDD	2.63e5	3.90e5	1.56	NO	1.12	1.034	39.15	1.091	1.092	NO	579.01	59.9	8.39	
10	55	13C12-4,4'-DDT	1.07e5	3.90e5	1.75	NO	0.735	1.034	40.22	1.121	1.122	NO	359.29	37.2	12.8	
11	62	13C-PCB-15	1.22e6	1.22e6	1.57	NO	1.00	1.034	26.10	1.000	1.000	NO	967.10	100	1.36	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_10.qld

Last Altered: Friday, April 16, 2021 14:59:14 Pacific Daylight Time
Printed: Friday, April 16, 2021 15:00:47 Pacific Daylight Time

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Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_10, Date: 14-Apr-2021, Time: 17:05:15, ID: 2103216-14RE1 USMPDI-1064RAB-10-20-210311 1.45, Description: USMPDI-1064RAB-10-20-210311, Task: ST210414H1_1

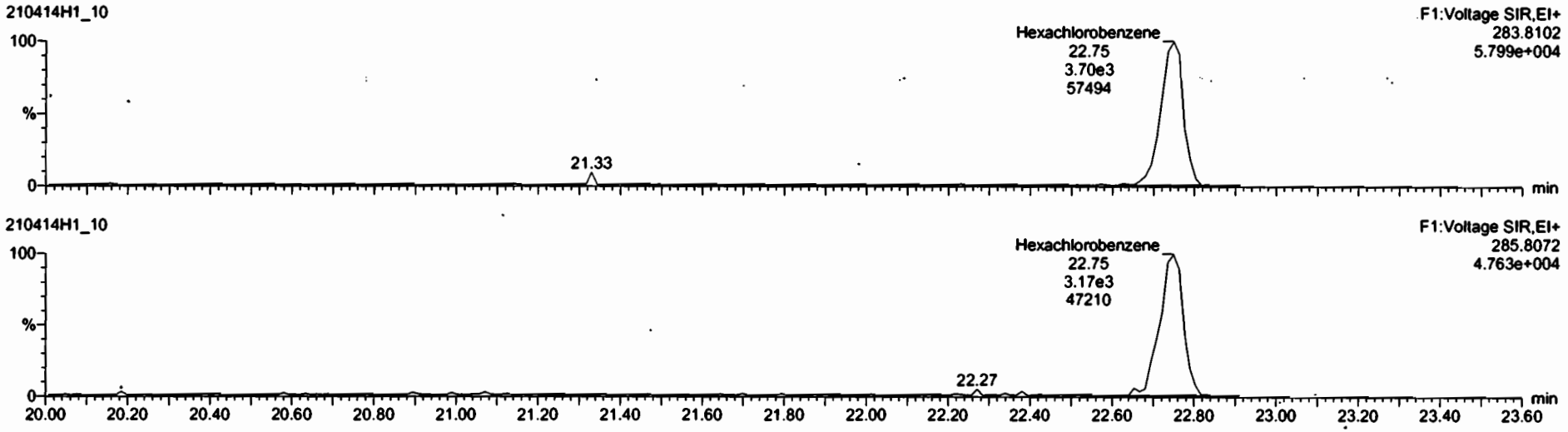
	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	63 13C-PCB-60	3.90e5	3.90e5	0.81	NO	1.00	1.034	35.88	1.000	1.000	NO	967.10	100	2.07	

Dataset: Untitled

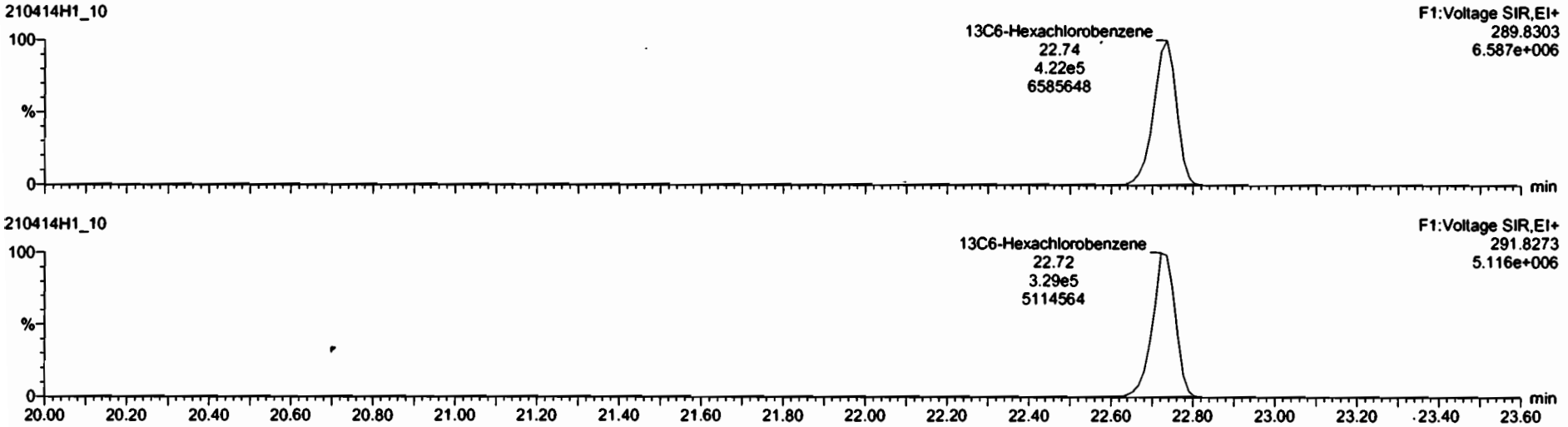
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_10, Date: 14-Apr-2021, Time: 17:05:15, ID: 2103216-14RE1 USMPDI-1064RAB-10-20-210311 1.45, Description: USMPDI-1064RAB-10-20-210311

Hexachlorobenzene



13C6-Hexachlorobenzene



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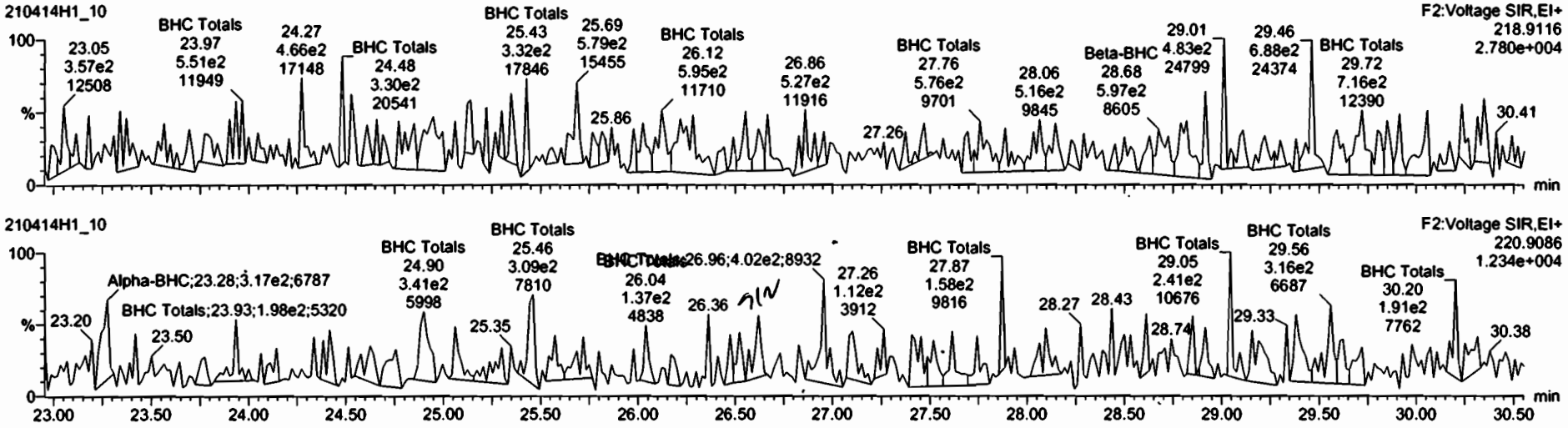
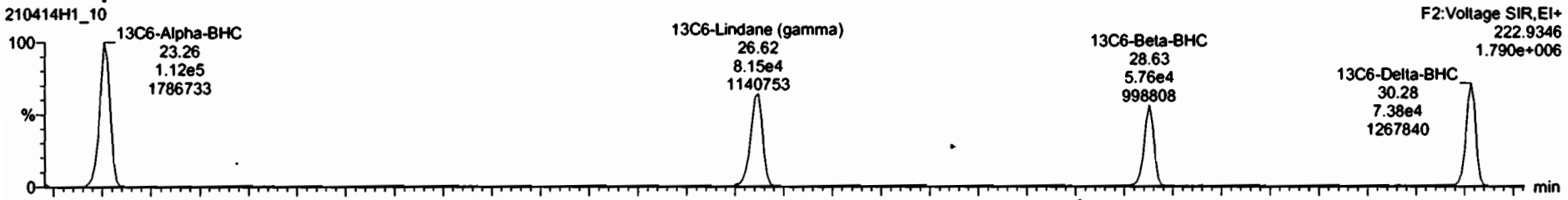
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

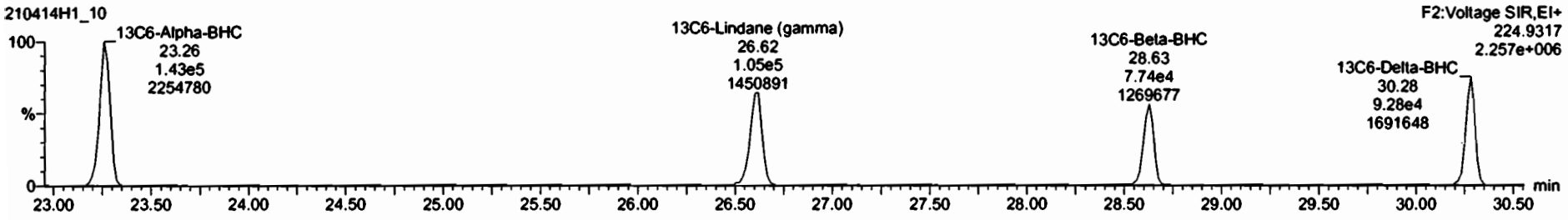
Name: 210414H1_10, Date: 14-Apr-2021, Time: 17:05:15, ID: 2103216-14RE1 USMPDI-1064RAB-10-20-210311 1.45, Description: USMPDI-1064RAB-10-20-210311

BHC Totals



BHC-isotopes





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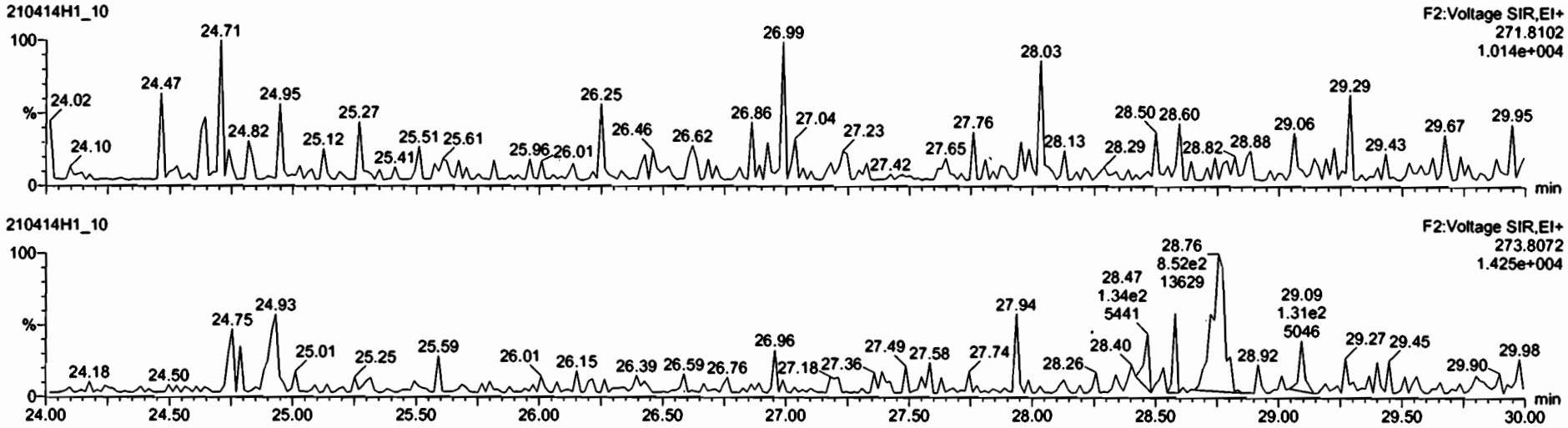
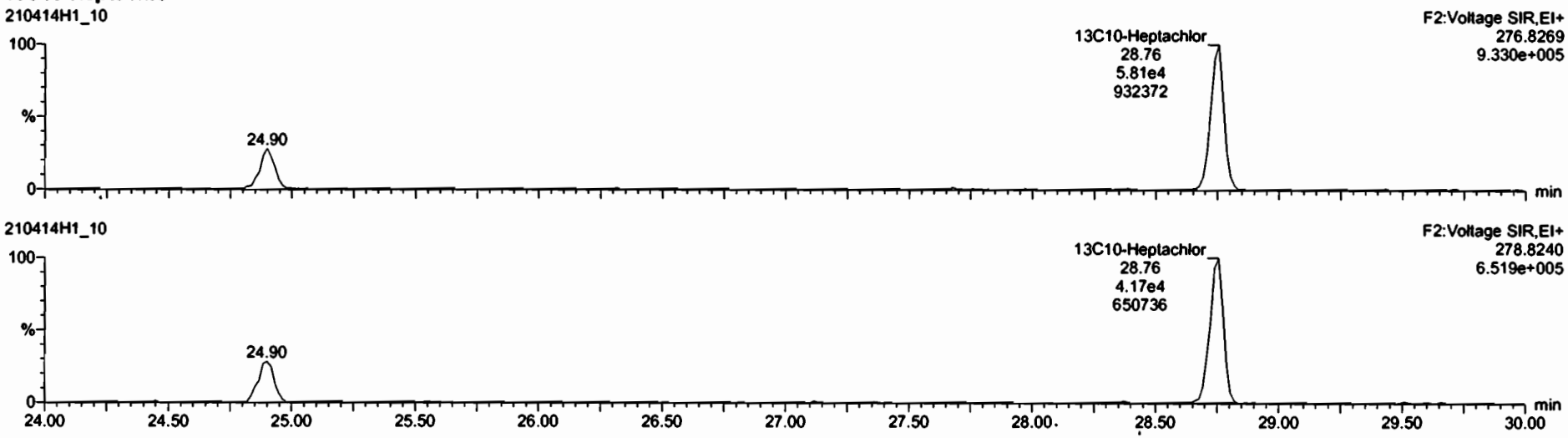
Name: 210414H1_10, Date: 14-Apr-2021, Time: 17:05:15, ID: 2103216-14RE1 USMPDI-1064RAB-10-20-210311 1.45, Description: USMPDI-1064RAB-10-20-210311

Heptachlor



13C10-Heptachlor



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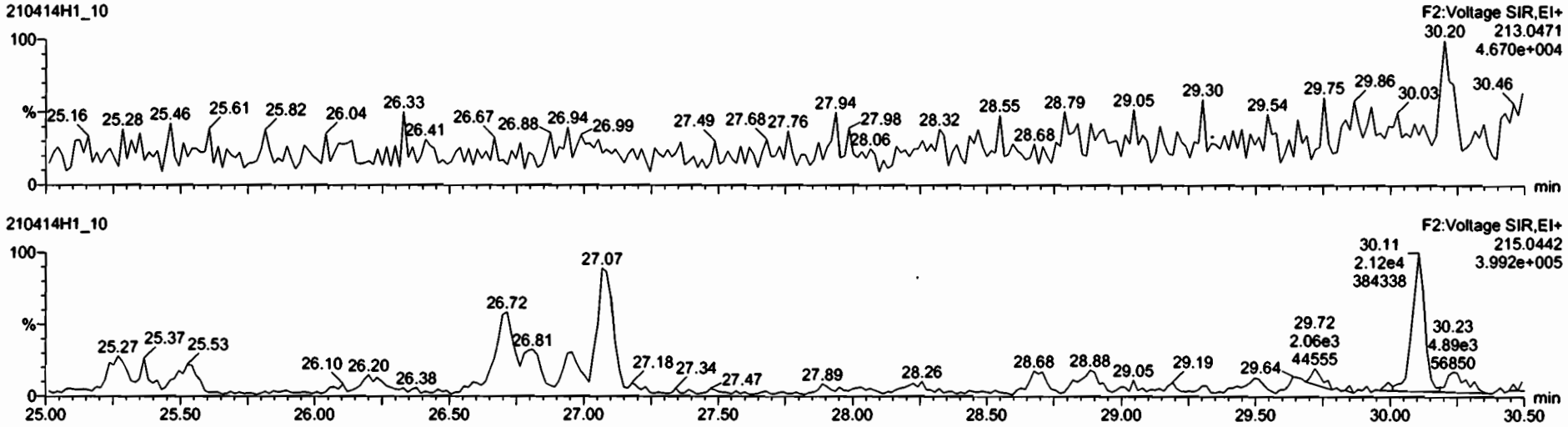
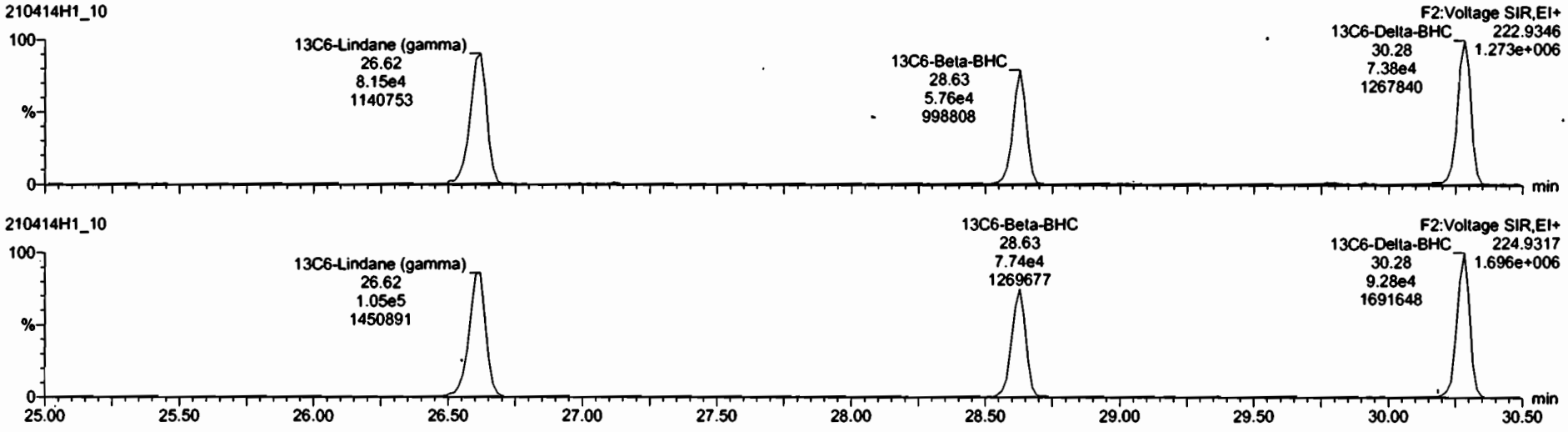
Name: 210414H1_10, Date: 14-Apr-2021, Time: 17:05:15, ID: 2103216-14RE1 USMPDI-1064RAB-10-20-210311 1.45, Description: USMPDI-1064RAB-10-20-210311

4,4'-DDNU



13C6-Delta-BHC



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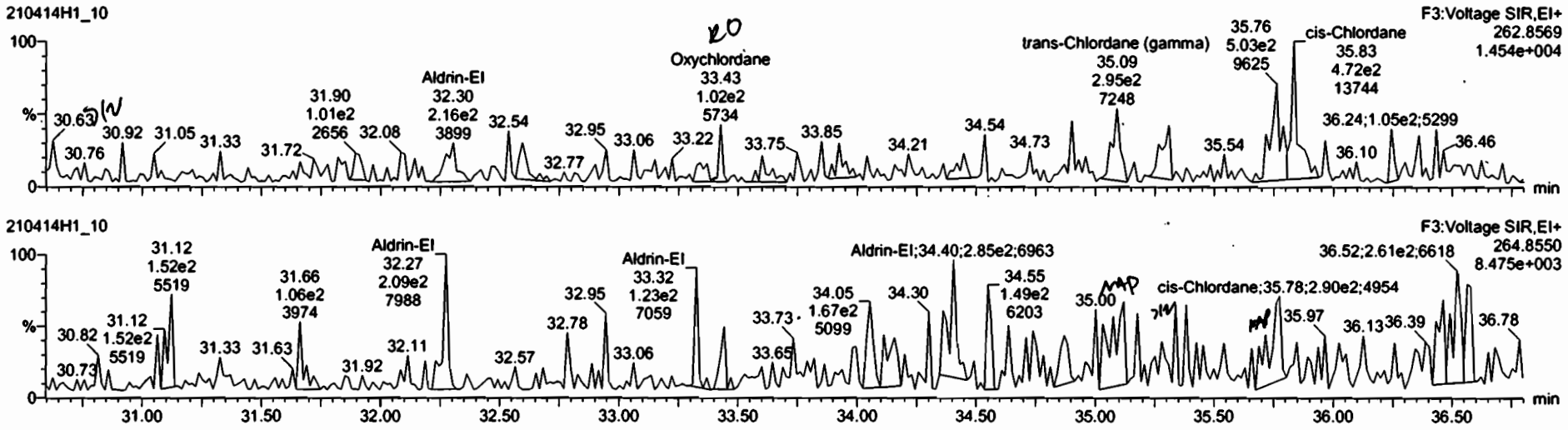
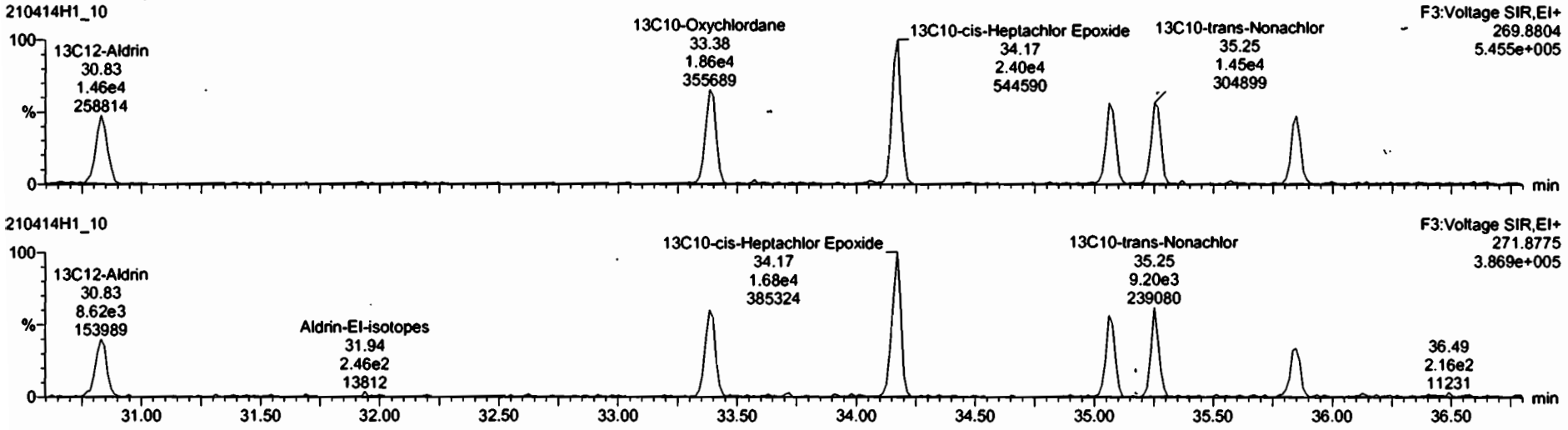
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

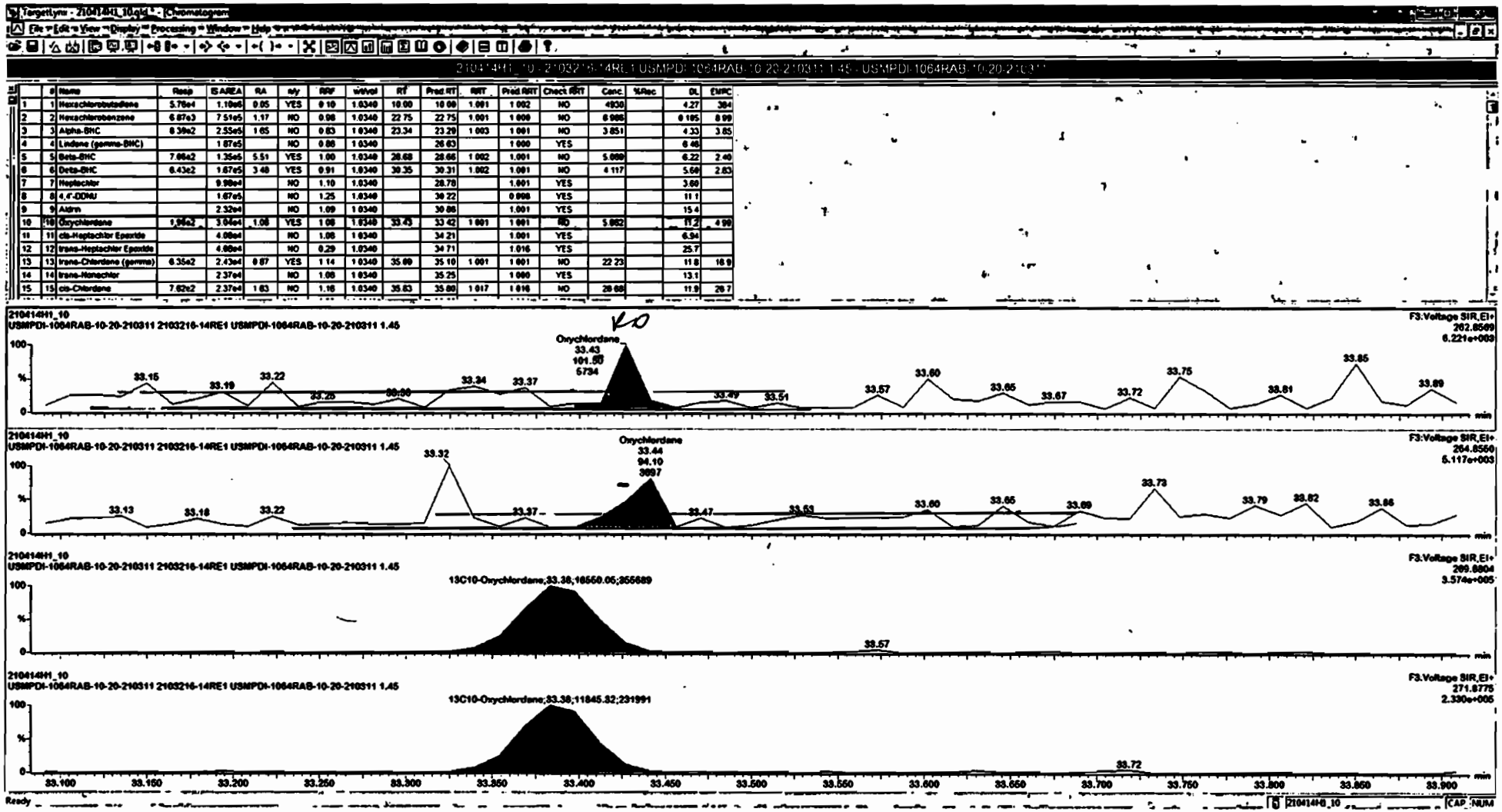
Name: 210414H1_10, Date: 14-Apr-2021, Time: 17:05:15, ID: 2103216-14RE1 USMPDI-1064RAB-10-20-210311 1.45, Description: USMPDI-1064RAB-10-20-210311

Aldrin-EI



Aldrin-EI-isotopes





	#	Name	Resp	IS AREA	RA	qly	RRF	wtVol	RT	Pred RT	RRT	Pred RRT	Chect RRT	Conc.	%Rec	DL	EMPC
1	1	Hexachlorobutadiene	5.76e4	1.10e6	0.05	YES	0.10	1.0340	10.00	10.00	1.001	1.002	NO	4930		4.27	384
2	2	Hexachlorobenzene	6.87e3	7.51e5	1.17	NO	0.08	1.0340	22.75	22.75	1.001	1.000	NO	0.986		0.185	0.99
3	3	Alpha-BHC	8.39e2	2.55e5	1.65	NO	0.03	1.0340	23.34	23.29	1.003	1.001	NO	3.851		4.33	3.85
4	4	Lindane (gamma-BHC)		1.87e5		NO	0.06	1.0340		26.63		1.000	YES			6.46	
5	5	Beta-BHC	7.06e2	1.35e5	5.51	YES	1.00	1.0340	26.68	26.66	1.002	1.001	NO	5.009		6.22	2.49
6	6	Delta-BHC	6.43e2	1.67e5	3.48	YES	0.91	1.0340	30.35	30.31	1.002	1.001	NO	4.117		5.68	2.83
7	7	Heptachlor		9.98e4		NO	1.10	1.0340		28.78		1.001	YES			3.69	
8	8	4,4'-DDMU		1.67e5		NO	1.25	1.0340		30.22		0.998	YES			11.1	
9	9	Aldrin		2.32e4		NO	1.09	1.0340		30.86		1.001	YES			15.4	
10	10	Oxychlordane	1.98e2	3.04e4	1.08	YES	1.06	1.0340	33.45	33.42	1.001	1.001	NO	5.062		11.2	4.99
11	11	cis-Heptachlor Epoxide		4.06e4		NO	1.06	1.0340		34.21		1.001	YES			6.94	
12	12	trans-Heptachlor Epoxide		4.66e4		NO	0.29	1.0340		34.71		1.016	YES			25.7	
13	13	trans-Chlordane (gamma)	6.35e2	2.43e4	0.87	YES	1.14	1.0340	35.09	35.10	1.001	1.001	NO	22.23		11.8	16.9
14	14	trans-Nonachlor		2.37e4		NO	1.06	1.0340		35.25		1.000	YES			13.1	
15	15	cis-Chlordane	7.62e2	2.37e4	1.63	NO	1.16	1.0340	35.83	35.80	1.017	1.016	NO	29.68		11.9	26.7

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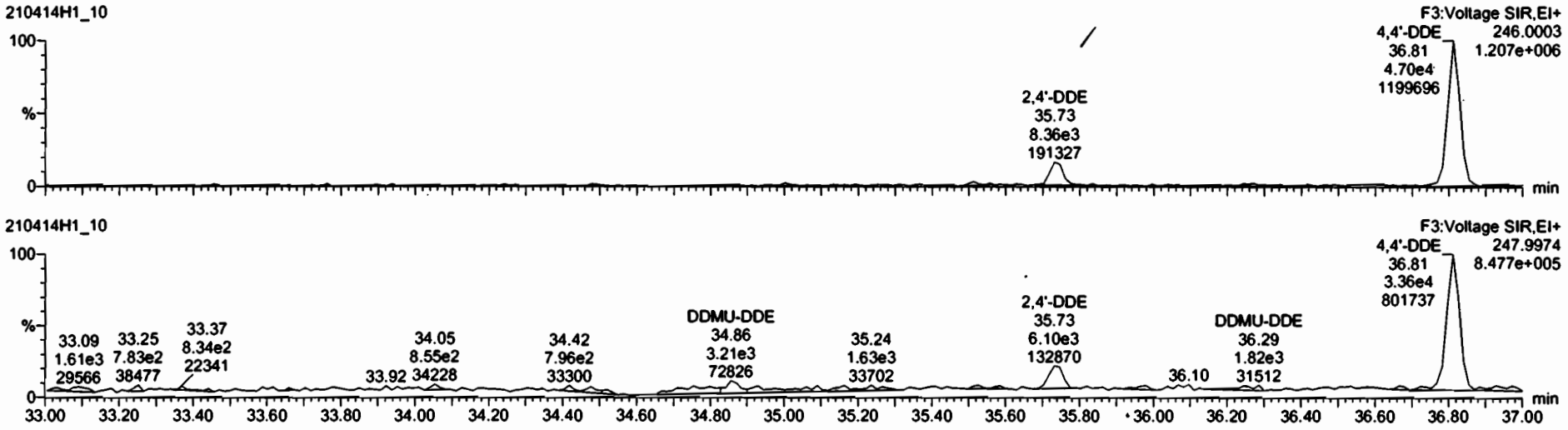
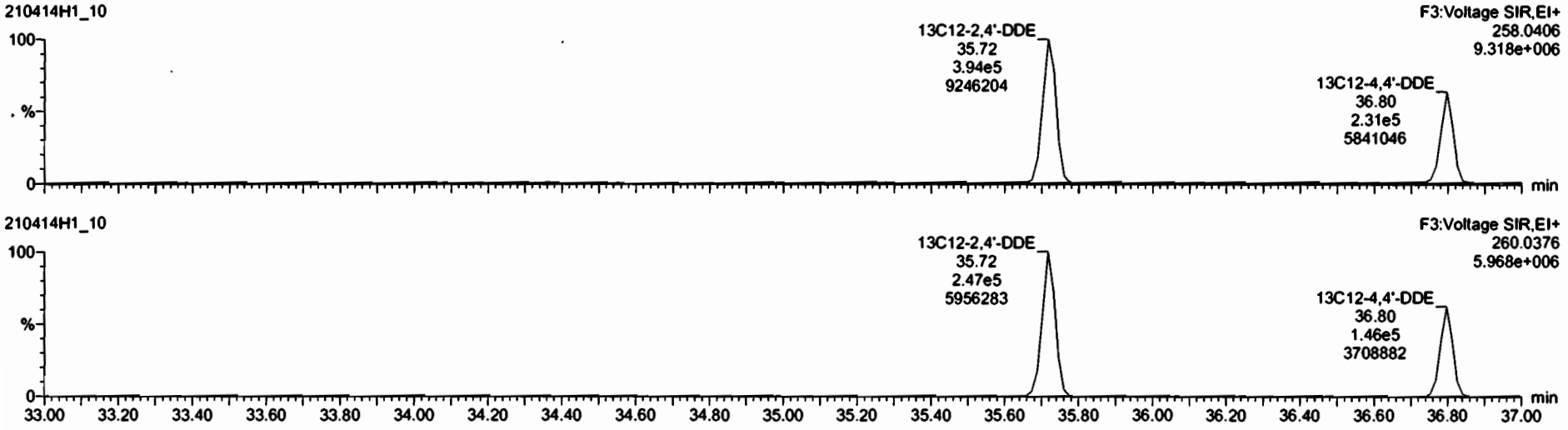
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

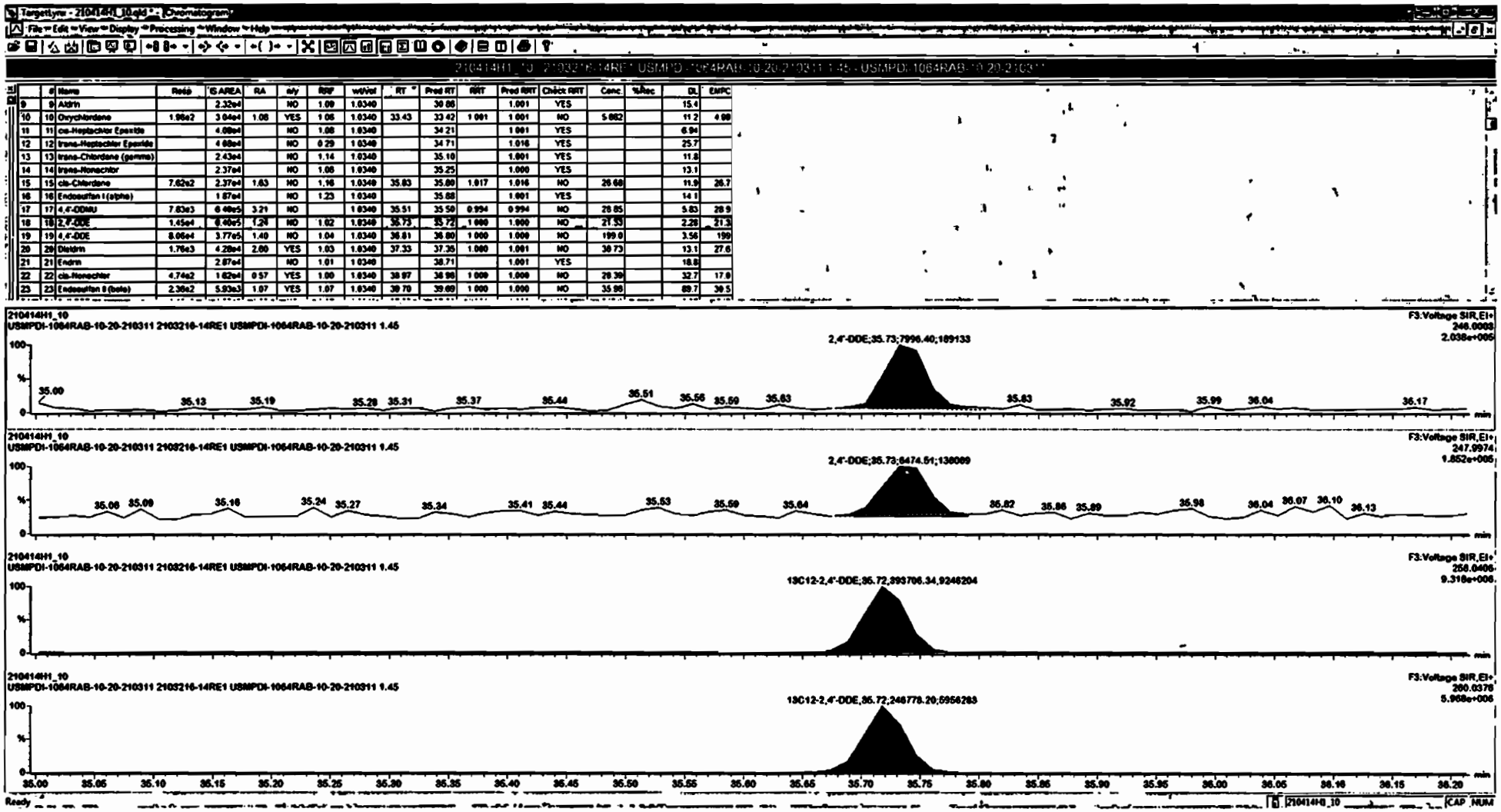
Name: 210414H1_10, Date: 14-Apr-2021, Time: 17:05:15, ID: 2103216-14RE1 USMPDI-1064RAB-10-20-210311 1.45, Description: USMPDI-1064RAB-10-20-210311

DDMU-DDE

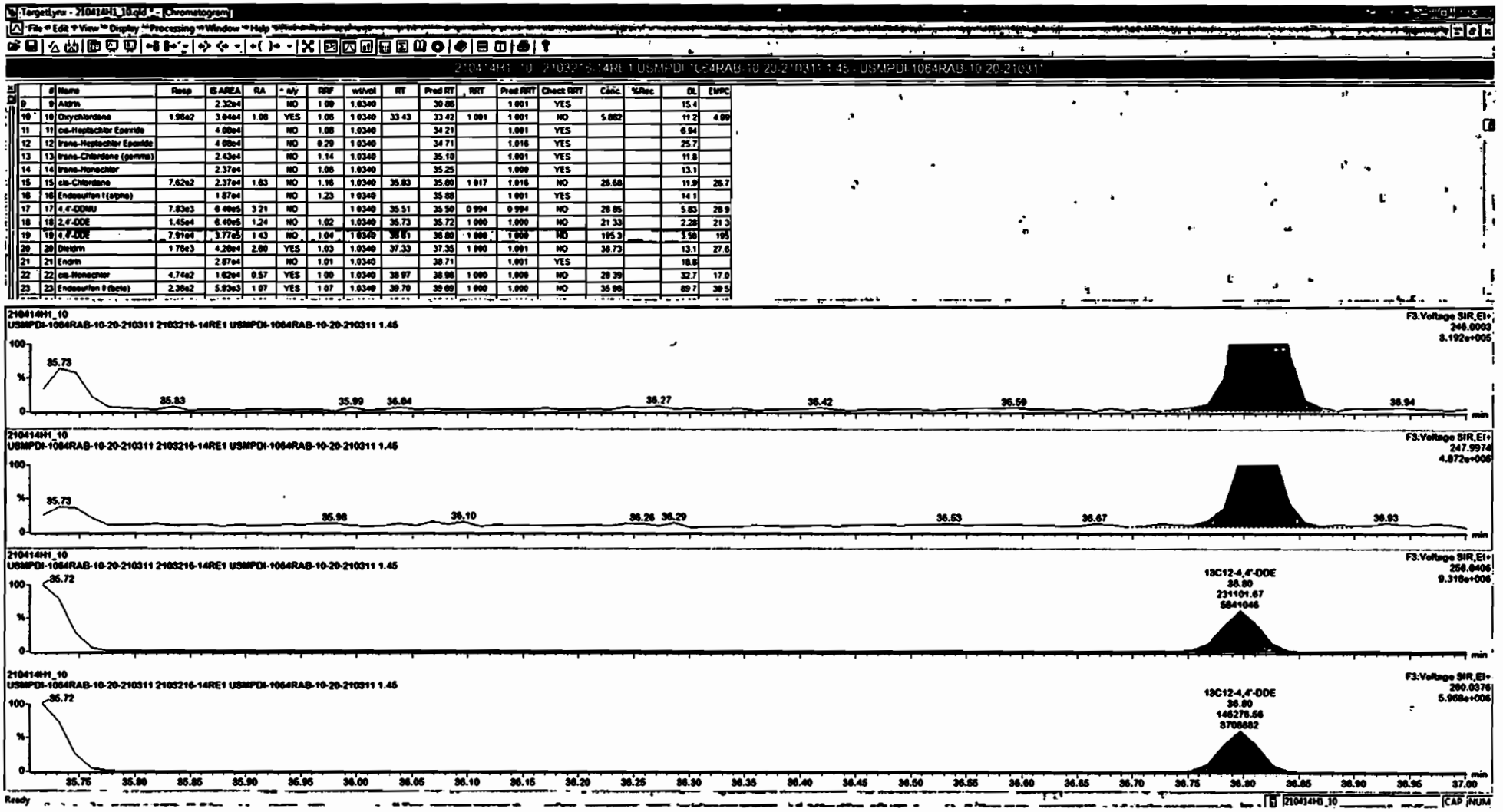


DDE-isotopes





#	Name	Resp	IS AREA	RA	a/y	RRF	wtVal	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
9	Aldrin		2.32e4		NO	1.09	1.0340		30.86		1.001	YES			15.4	
10	Oxychlordane	1.98e2	3.04e4	1.08	YES	1.06	1.0340	33.43	33.42	1.001	1.001	NO	5.882		11.2	4.88
11	cis-Heptachlor Epoxide		4.08e4		NO	1.08	1.0340		34.21		1.001	YES			6.94	
12	trans-Heptachlor Epoxide		4.68e4		NO	0.29	1.0340		34.71		1.016	YES			25.7	
13	trans-Chlordane (gamma)		2.43e4		NO	1.14	1.0340		35.10		1.001	YES			11.8	
14	trans-Nonachlor		2.37e4		NO	1.08	1.0340		35.25		1.000	YES			13.1	
15	cis-Chlordane	7.62e2	2.37e4	1.63	NO	1.16	1.0340	35.83	35.80	1.017	1.016	NO	26.69		11.9	26.7
16	Endosulfan I (alpha)		1.87e4		NO	1.23	1.0340		35.88		1.001	YES			14.1	
17	4,4'-DDMU	7.83e3	6.46e5	3.21	NO		1.0340	35.51	35.50	0.994	0.994	NO	28.85		5.83	28.9
18	2,4'-DDE	1.45e4	8.40e5	1.24	NO	1.02	1.0340	35.73	35.72	1.000	1.000	NO	21.53		2.28	21.3
19	4,4'-DDE	8.06e4	3.77e5	1.40	NO	1.04	1.0340	36.81	36.80	1.000	1.000	NO	199.0		3.56	199
20	Dieldrin	1.76e3	4.28e4	2.60	YES	1.03	1.0340	37.33	37.35	1.000	1.001	NO	38.73		13.1	27.6
21	Endrin		2.87e4		NO	1.01	1.0340		38.71		1.001	YES			18.8	
22	cis-Nonachlor	4.74e2	1.62e4	0.57	YES	1.00	1.0340	38.97	38.98	1.000	1.000	NO	29.39		32.7	17.0
23	Endosulfan II (beta)	2.36e2	5.93e3	1.07	YES	1.07	1.0340	39.70	39.69	1.000	1.000	NO	35.98		89.7	30.5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File Edit View Display Processing Window Help
210414H1_10 2103216-14RE1 USMPDI-1064RAB-10-20-210311 1.45 USMPDI-1064RAB-10-20-210311
Name Resp S AREA RA * a/y RRF wt/vol RT Pred RT RRT Pred RRT Check RRT Calc %Rec DL EMPC
9 9 Aldrin 2.32e4 NO 1.09 1.0340 30.86 1.001 YES 15.4
10 10 Oxychlordane 1.96e2 3.84e4 1.08 YES 1.06 1.0340 33.43 33.42 1.001 1.001 NO 5.882 11.2 4.99
11 11 cis-Heptachlor Epoxide 4.08e4 NO 1.08 1.0340 34.21 1.001 YES 6.94
12 12 trans-Heptachlor Epoxide 4.08e4 NO 0.29 1.0340 34.71 1.016 YES 25.7
13 13 trans-Chlordane (gamma) 2.43e4 NO 1.14 1.0340 35.10 1.001 YES 11.8
14 14 trans-Nonachlor 2.37e4 NO 1.06 1.0340 35.25 1.000 YES 13.1
15 15 cis-Chlordane 7.62e2 2.37e4 1.63 NO 1.16 1.0340 35.83 35.00 1.017 1.016 NO 28.68 11.9 28.7
16 16 Endosulfan I (alpha) 1.87e4 NO 1.23 1.0340 35.88 1.001 YES 14.1
17 17 4,4'-DDMU 7.83e3 6.48e5 3.21 NO 1.0340 35.51 35.50 0.994 0.994 NO 28.85 5.83 28.9
18 18 2,4'-DDE 1.45e4 6.49e5 1.24 NO 1.02 1.0340 35.73 35.72 1.000 1.000 NO 21.33 2.28 21.3
19 19 4,4'-DDE 7.91e4 3.77e5 1.43 NO 1.04 1.0340 36.01 36.00 1.008 1.008 NO 195.3 3.56 195
20 20 Dieldrin 1.76e3 4.26e4 2.60 YES 1.03 1.0340 37.33 37.35 1.000 1.001 NO 36.73 13.1 27.6
21 21 Endrin 2.87e4 NO 1.01 1.0340 38.71 1.001 YES 18.8
22 22 cis-Nonachlor 4.74e2 1.62e4 0.57 YES 1.00 1.0340 38.97 38.98 1.000 1.000 NO 29.39 32.7 17.0
23 23 Endosulfan II (beta) 2.36e2 5.93e3 1.07 YES 1.07 1.0340 39.70 39.69 1.000 1.000 NO 35.99 69.7 39.5
210414H1_10
USMPDI-1064RAB-10-20-210311 2103216-14RE1 USMPDI-1064RAB-10-20-210311 1.45
F3:Voltage SIR,EI+
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3.192e+005
35.73
35.83
35.99
36.04
36.27
36.42
36.59
36.94
min
210414H1_10
USMPDI-1064RAB-10-20-210311 2103216-14RE1 USMPDI-1064RAB-10-20-210311 1.45
F3:Voltage SIR,EI+
247.9974
4.872e+005
35.73
35.96
36.10
36.26
36.29
36.53
36.67
36.93
min
210414H1_10
USMPDI-1064RAB-10-20-210311 2103216-14RE1 USMPDI-1064RAB-10-20-210311 1.45
F3:Voltage SIR,EI+
258.0406
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13C12-4,4'-DDE
36.00
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min
210414H1_10
USMPDI-1064RAB-10-20-210311 2103216-14RE1 USMPDI-1064RAB-10-20-210311 1.45
F3:Voltage SIR,EI+
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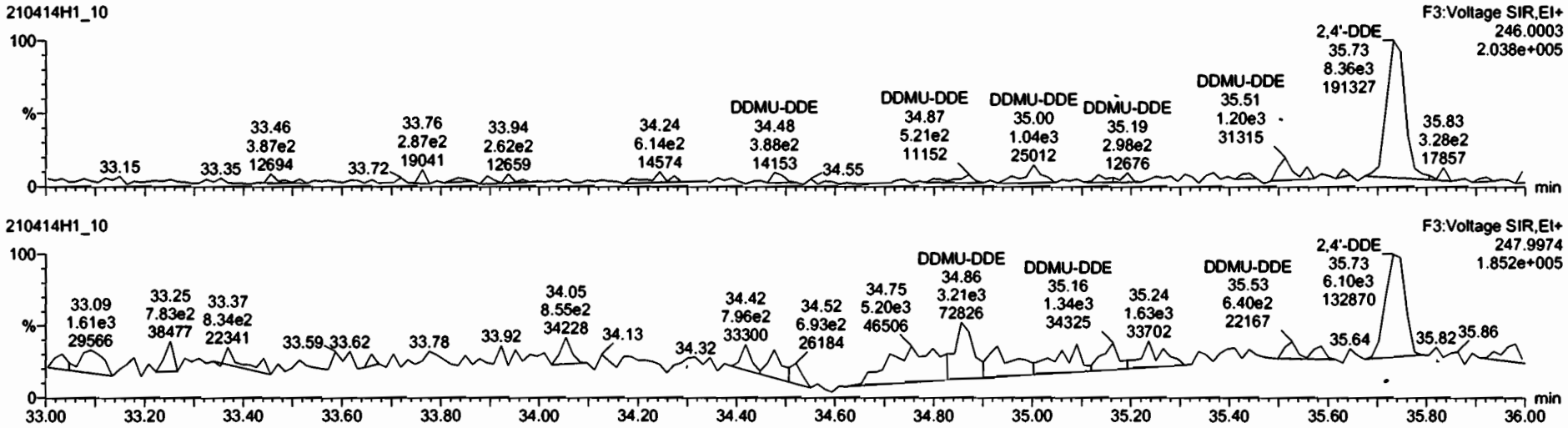
Name: 210414H1_10, Date: 14-Apr-2021, Time: 17:05:15, ID: 2103216-14RE1 USMPDI-1064RAB-10-20-210311 1.45, Description: USMPDI-1064RAB-10-20-210311

2,4'-DDE



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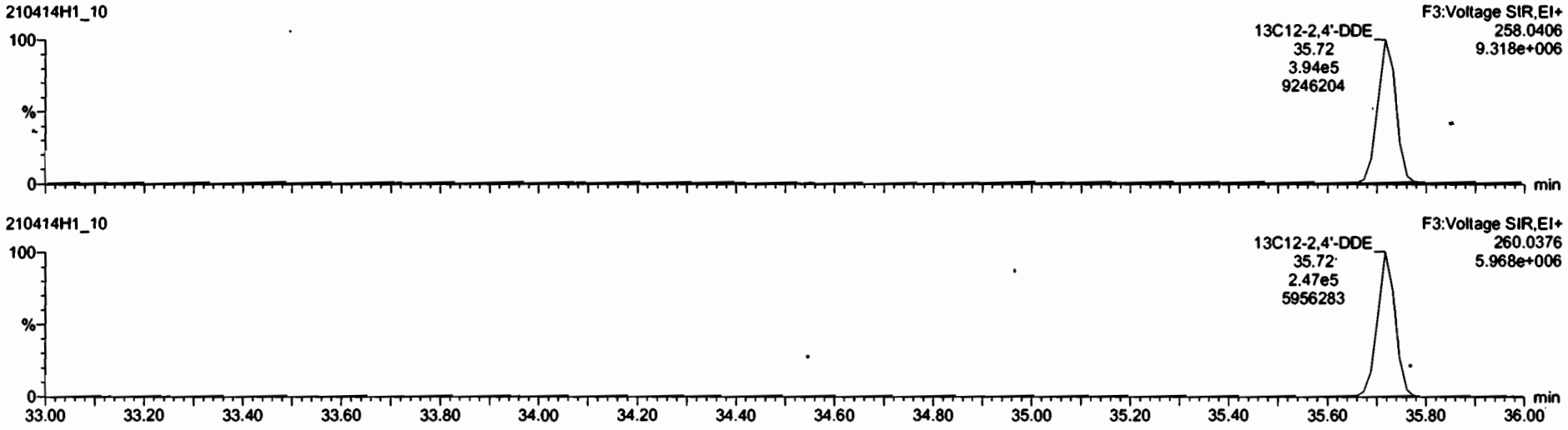

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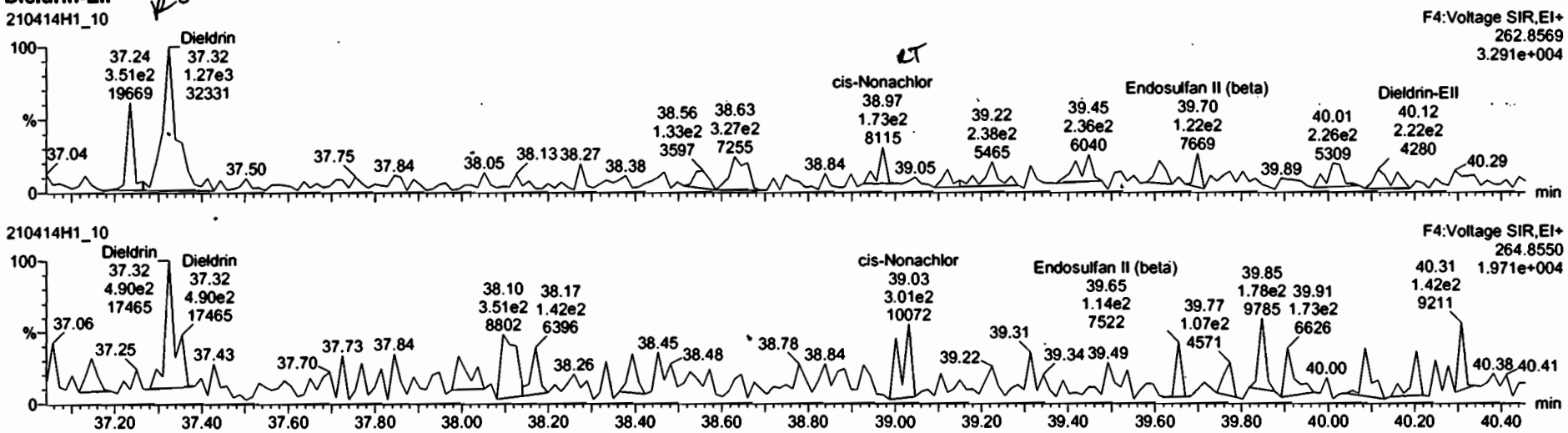
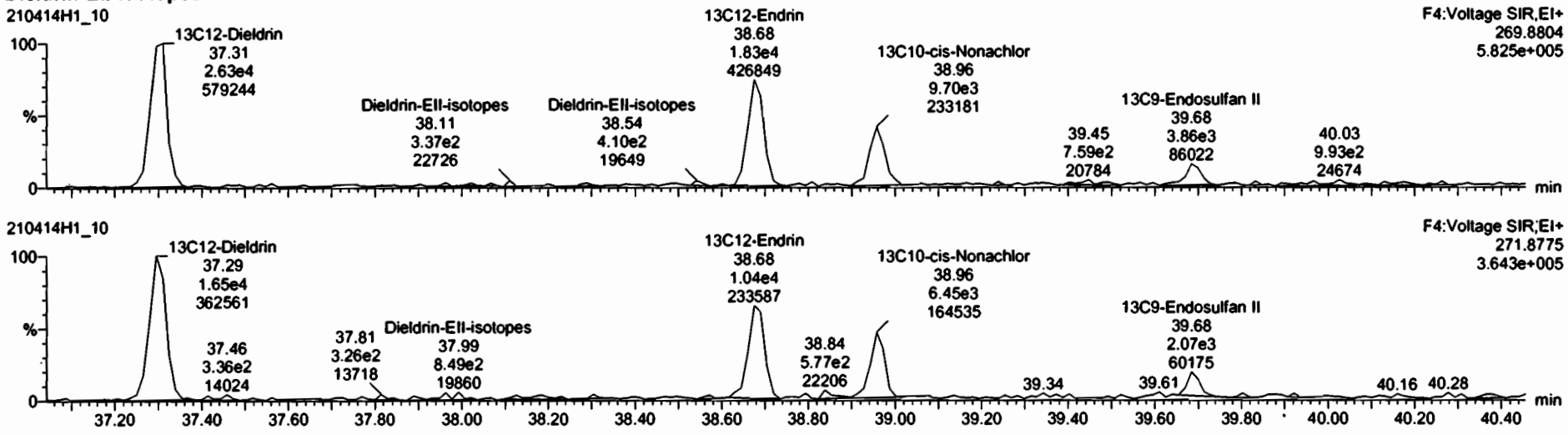
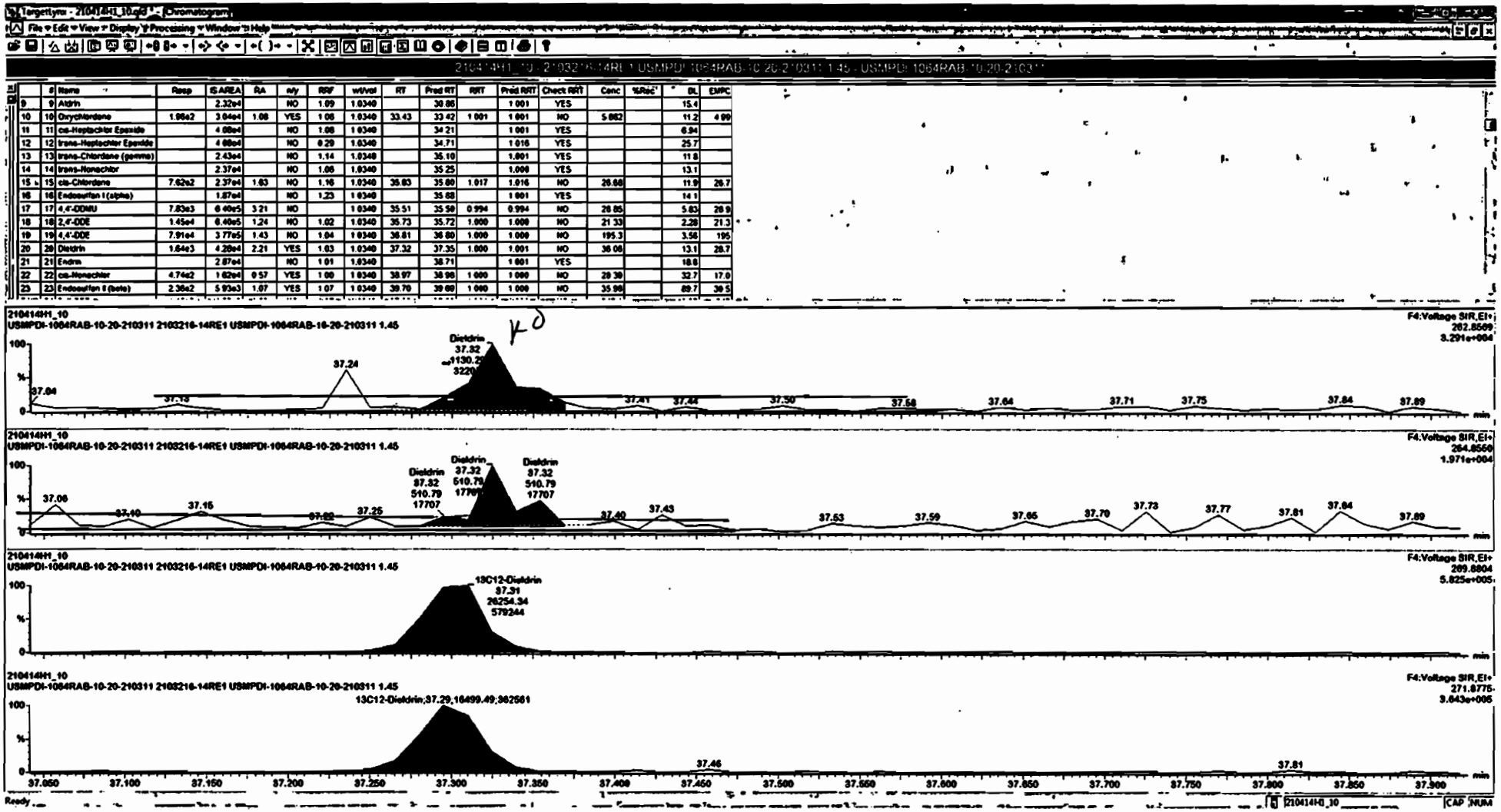
Name: 210414H1_10, Date: 14-Apr-2021, Time: 17:05:15, ID: 2103216-14RE1 USMPDI-1064RAB-10-20-210311 1.45, Description: USMPDI-1064RAB-10-20-210311

Dieldrin-EII



Dieldrin-EII-isotopes





	#	Name	Resp	IS AREA	RA	a/y	RRF	w/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
9	9	Aldrin		2.32e4		NO	1.09	1.0340		36.86		1.001	YES			15.4	
10	10	Oxychlordane	1.96e2	3.04e4	1.08	YES	1.08	1.0340	33.43	33.42	1.001	1.001	NO	5.882		11.2	4.99
11	11	cis-Heptachlor Epoxide		4.08e4		NO	1.08	1.0340		34.21		1.001	YES			6.94	
12	12	trans-Heptachlor Epoxide		4.88e4		NO	0.29	1.0340		34.71		1.016	YES			25.7	
13	13	trans-Chlordane (gamma)		2.43e4		NO	1.14	1.0340		35.10		1.001	YES			11.8	
14	14	trans-Nonachlor		2.37e4		NO	1.06	1.0340		35.25		1.000	YES			13.1	
15	15	cis-Chlordane	7.62e2	2.37e4	1.63	NO	1.16	1.0340	35.83	35.80	1.017	1.016	NO	28.68		11.9	28.7
16	16	Endosulfan I (alpha)		1.87e4		NO	1.23	1.0340		35.88		1.001	YES			14.1	
17	17	4,4'-DDMU	7.83e3	6.40e5	3.21	NO		1.0340	35.51	35.50	0.994	0.994	NO	28.85		5.83	28.9
18	18	2,4'-DDE	1.45e4	6.40e5	1.24	NO	1.02	1.0340	35.73	35.72	1.000	1.000	NO	21.33		2.28	21.3
19	19	4,4'-DDE	7.91e4	3.77e5	1.43	NO	1.04	1.0340	36.81	36.80	1.000	1.000	NO	195.3		3.56	195
20	20	Dieldrin	1.64e3	4.26e4	2.21	YES	1.03	1.0340	37.32	37.35	1.000	1.001	NO	36.06		13.1	28.7
21	21	Endrin		2.87e4		NO	1.01	1.0340		38.71		1.001	YES			18.8	
22	22	cis-Nonachlor	4.74e2	1.62e4	0.57	YES	1.00	1.0340	38.97	38.98	1.000	1.000	NO	29.39		32.7	17.0
23	23	Endosulfan II (beta)	2.36e2	5.93e3	1.07	YES	1.07	1.0340	39.70	39.68	1.000	1.000	NO	35.99		89.7	39.5

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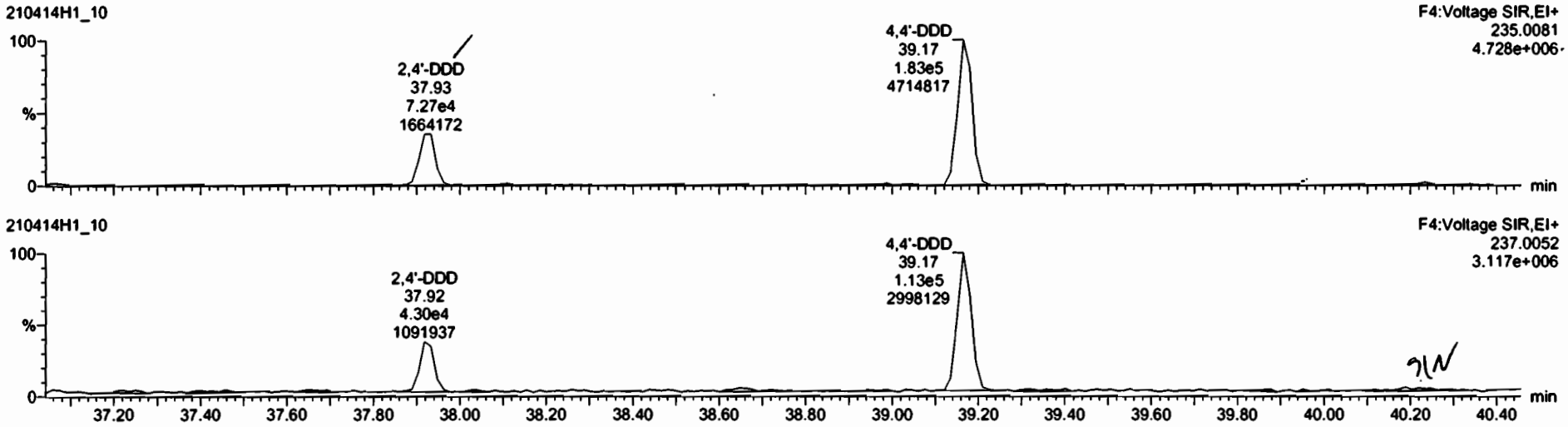
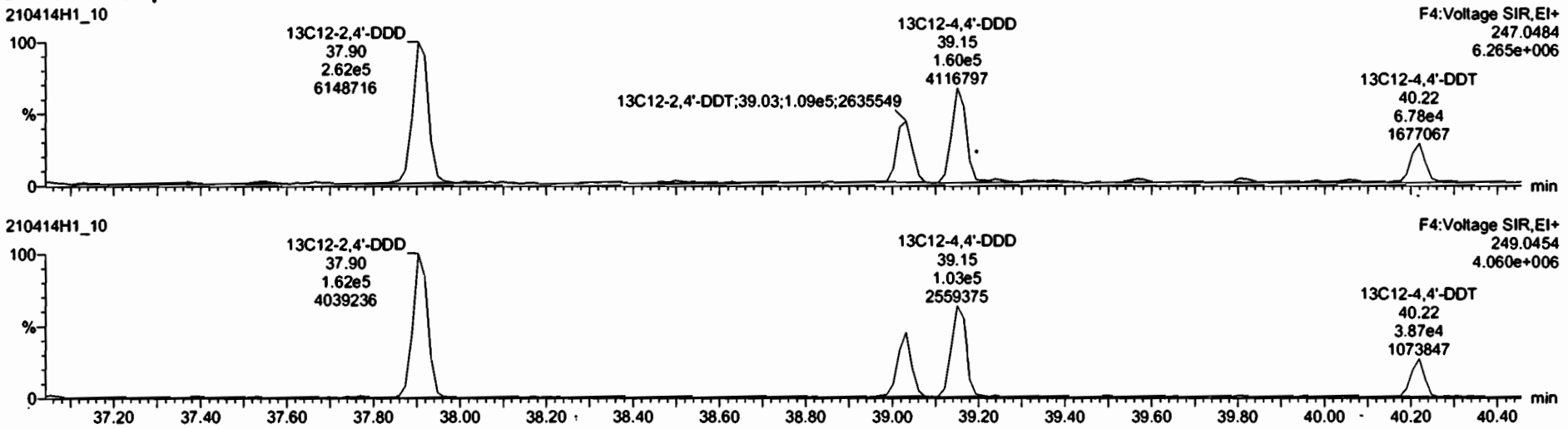
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_10, Date: 14-Apr-2021, Time: 17:05:15, ID: 2103216-14RE1 USMPDI-1064RAB-10-20-210311 1.45, Description: USMPDI-1064RAB-10-20-210311

DDD-DDT



DDD-DDT-isotopes

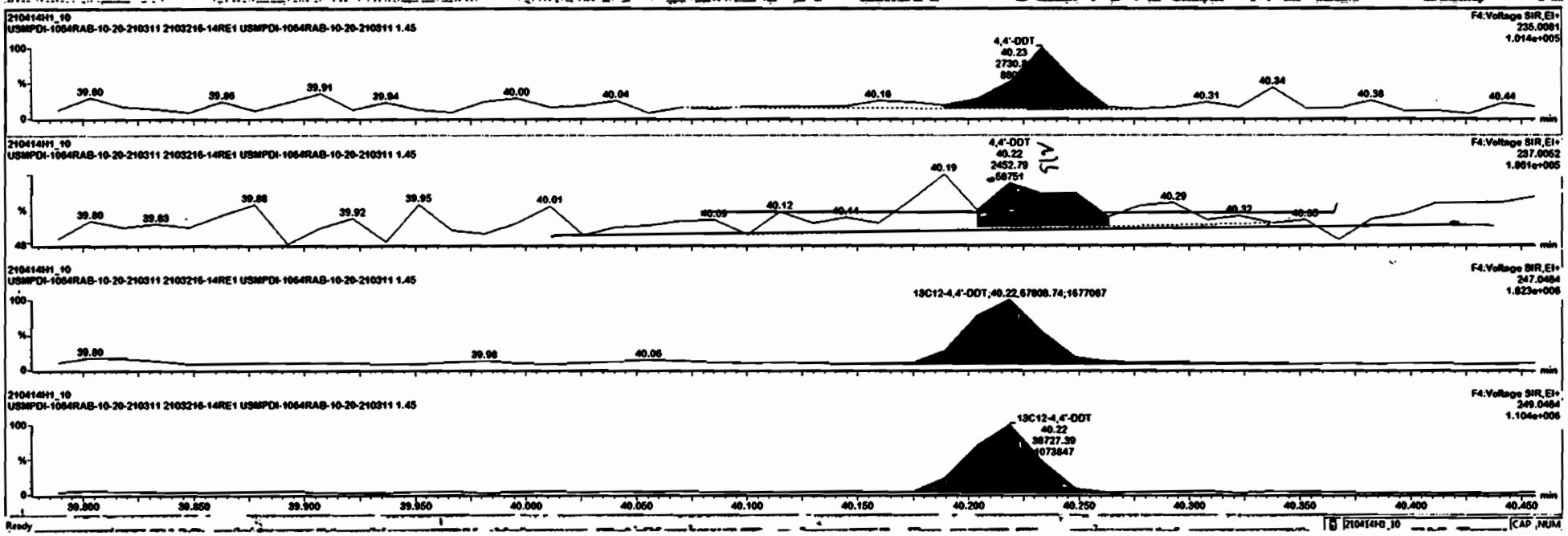


TargetLynx - 210414H1_10.qld - Chromatogram

File Edit View Display Processing Window Help

210414H1_10 - 2103216-14RE1 USMPDI-1064RAB-10-20-210311 1.45 - USMPDI-1064RAB-10-20-210311

	#	Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
17	17	4,4'-DDMU	7.83e3	6.40e5	3.21	NO		1.0340	35.51	35.50	0.994	0.994	NO	28.85		5.83	28.9
18	18	2,4'-DDE	1.45e4	6.40e5	1.24	NO	1.02	1.0340	35.73	35.72	1.000	1.000	NO	21.33		2.28	21.3
19	19	4,4'-DDE	7.91e4	3.77e5	1.43	NO	1.04	1.0340	36.81	36.80	1.000	1.000	NO	195.3		3.56	195
20	20	Dieldrin	1.64e3	4.28e4	2.21	YES	1.03	1.0340	37.32	37.35	1.000	1.001	NO	36.06		13.1	26.7
21	21	Endrin		2.87e4		NO	1.01	1.0340		38.71		1.001	YES			18.8	
22	22	cis-Nonachlor		1.62e4		NO	1.00	1.0340		38.98		1.000	YES			32.7	
23	23	Endosulfan II (beta)	2.36e2	5.93e3	1.07	YES	1.07	1.0340	39.70	39.69	1.000	1.000	NO	35.98		89.7	30.5
24	24	2,4'-DDD	1.16e5	4.25e5	1.69	NO	1.07	1.0340	37.93	37.90	1.001	1.000	NO	247.1		6.97	247
25	25	2,4'-DDT		1.77e5		NO	1.05	1.0340		39.03		1.000	YES			16.6	
26	26	4,4'-DDD	2.97e5	2.83e5	1.62	NO	1.16	1.0340	39.17	39.15	1.000	1.000	NO	938.9		9.40	939
27	27	4,4'-DDT	5.18e3	1.07e5	1.11	YES	1.13	1.0340	40.23	40.28	1.000	1.001	NO	41.55		24.8	35.9
28	28	Endosulfan Sulfate		6.09e3		NO	1.04	1.0340		41.41		1.000	YES			77.5	
29	29	4,4'-Methoxychlor	1.24e4	8.09e5	0.36	NO	1.22	1.0340	43.22	43.25	0.999	1.000	NO	121.8		186	122
30	30	Mirex		3.32e4		NO	1.03	1.0340		43.91		1.001	YES			10.9	
31	31	Endrin Aldehyde		3.04e4		NO	1.03	1.0340		40.80		1.000	YES			186	



Ready 210414H1_10 CAP NUM

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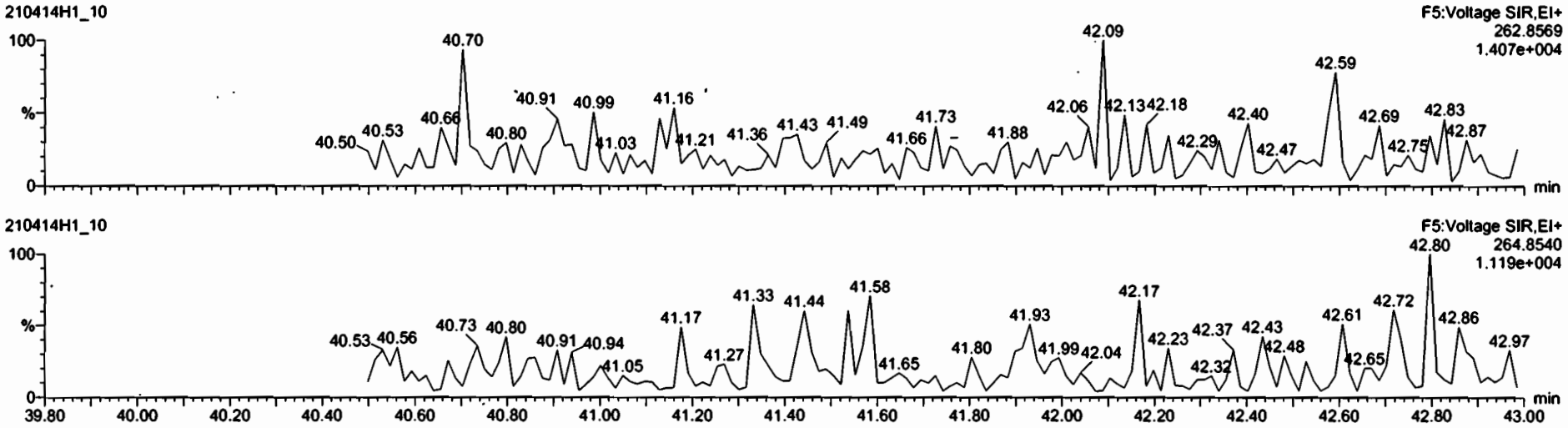
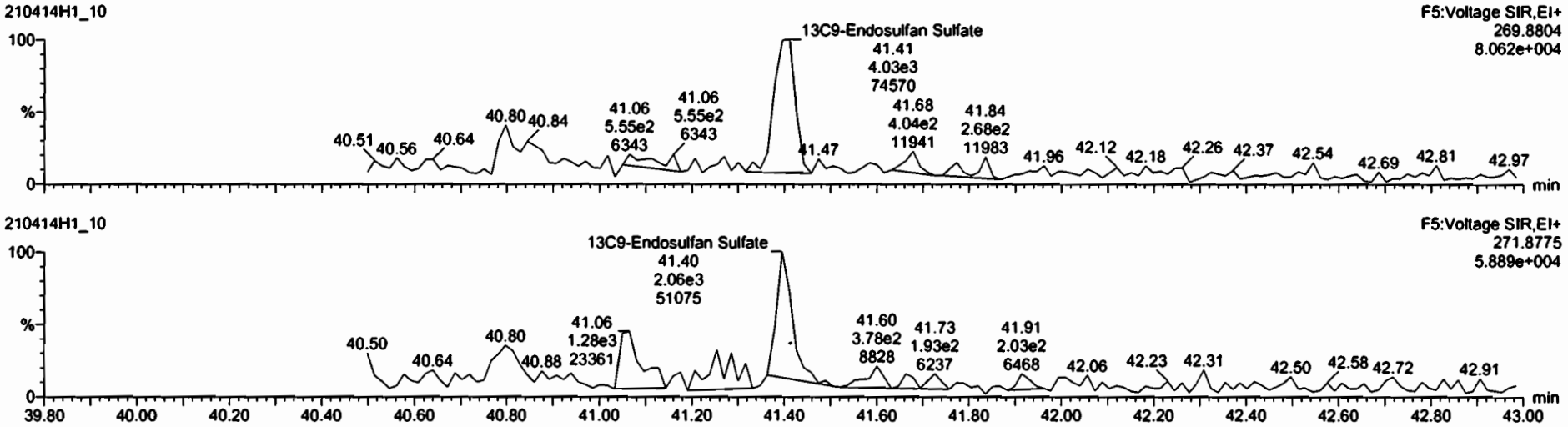
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_10, Date: 14-Apr-2021, Time: 17:05:15, ID: 2103216-14RE1 USMPDI-1064RAB-10-20-210311 1.45, Description: USMPDI-1064RAB-10-20-210311

Endosulfan Sulfate



13C9-Endosulfan Sulfate



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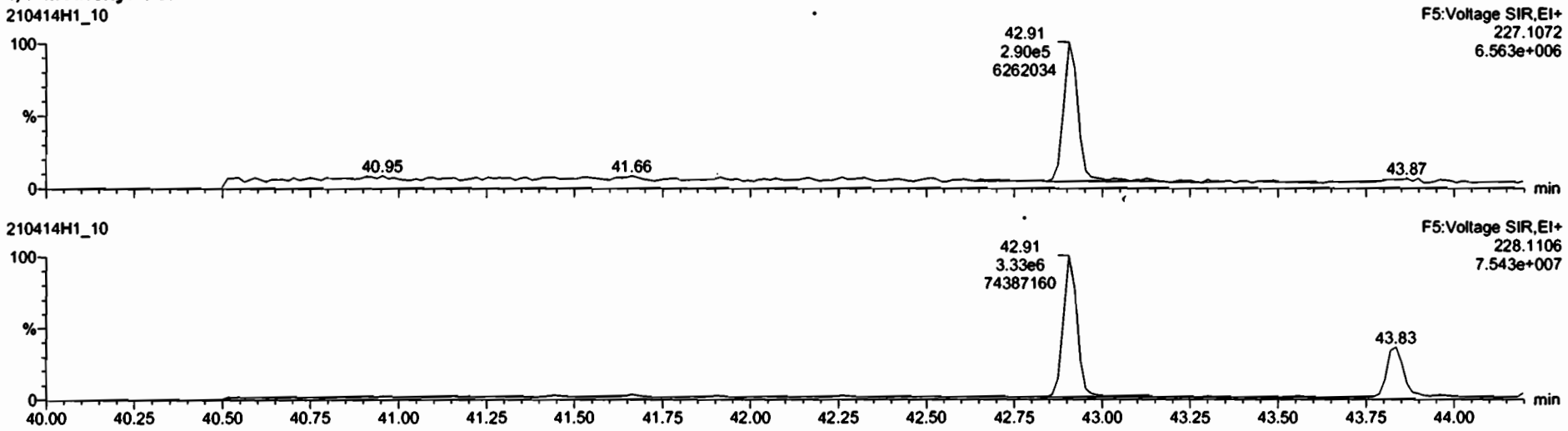
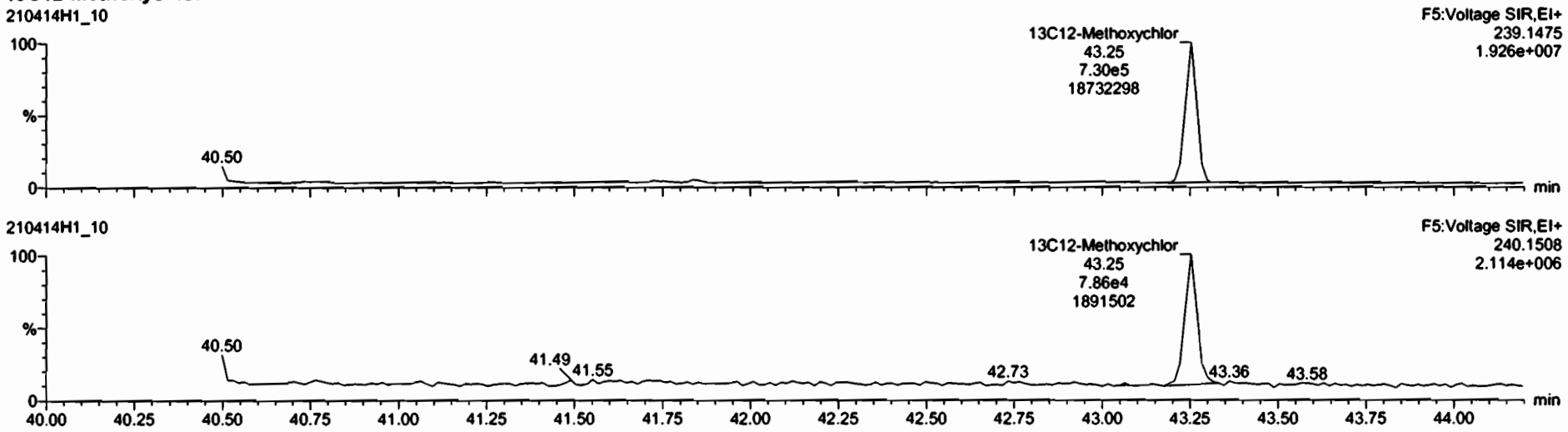
4,4'-Methoxychlor



13C12-Methoxychlor



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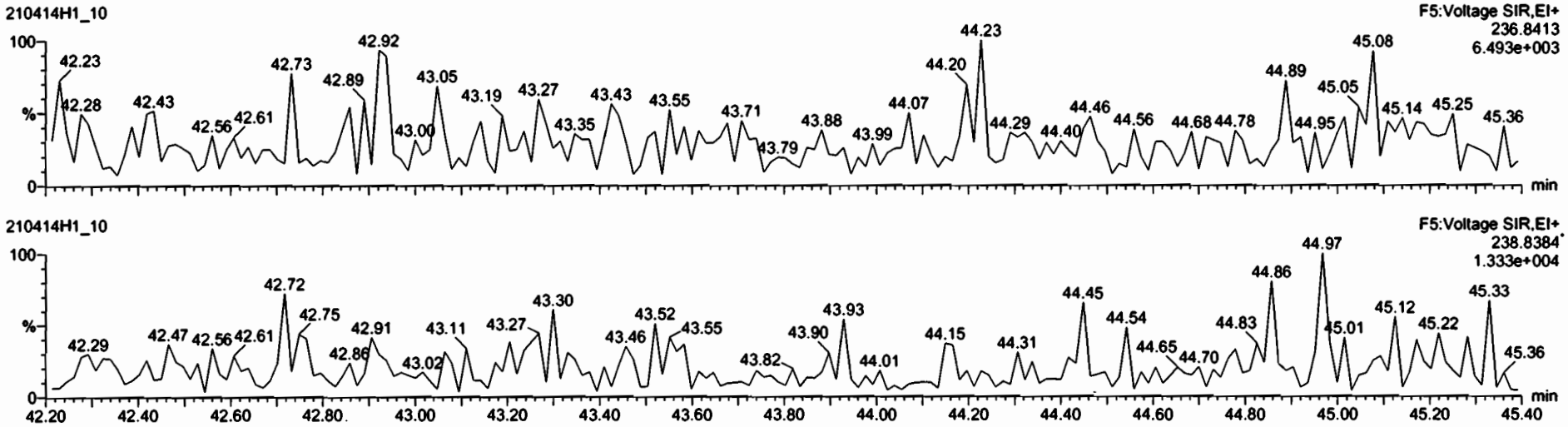
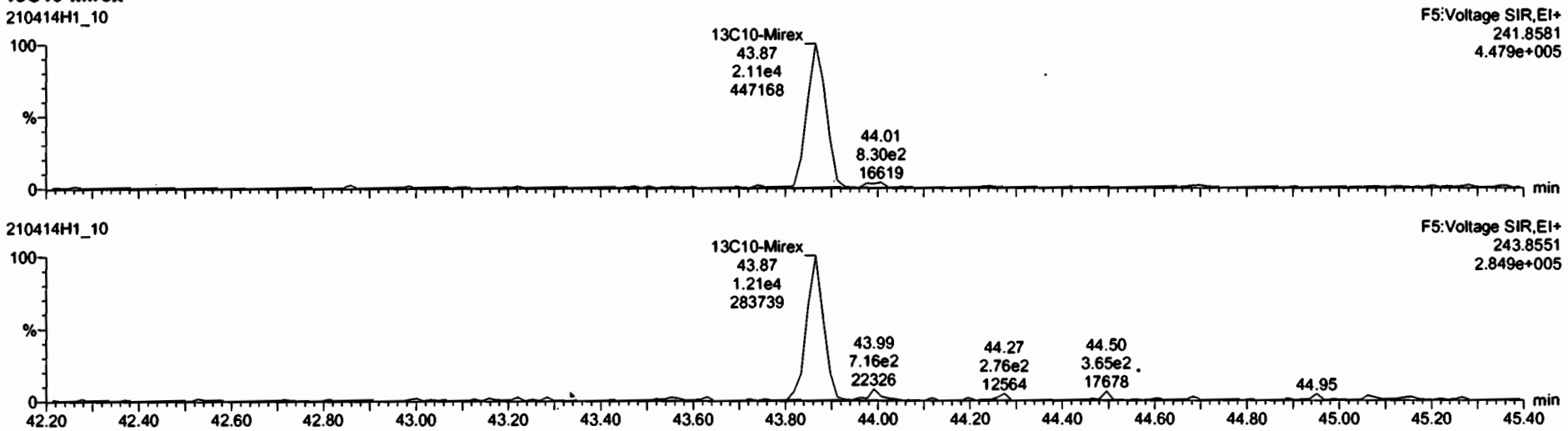
Name: 210414H1_10, Date: 14-Apr-2021, Time: 17:05:15, ID: 2103216-14RE1 USMPDI-1064RAB-10-20-210311 1.45, Description: USMPDI-1064RAB-10-20-210311

Mirex



13C10-Mirex



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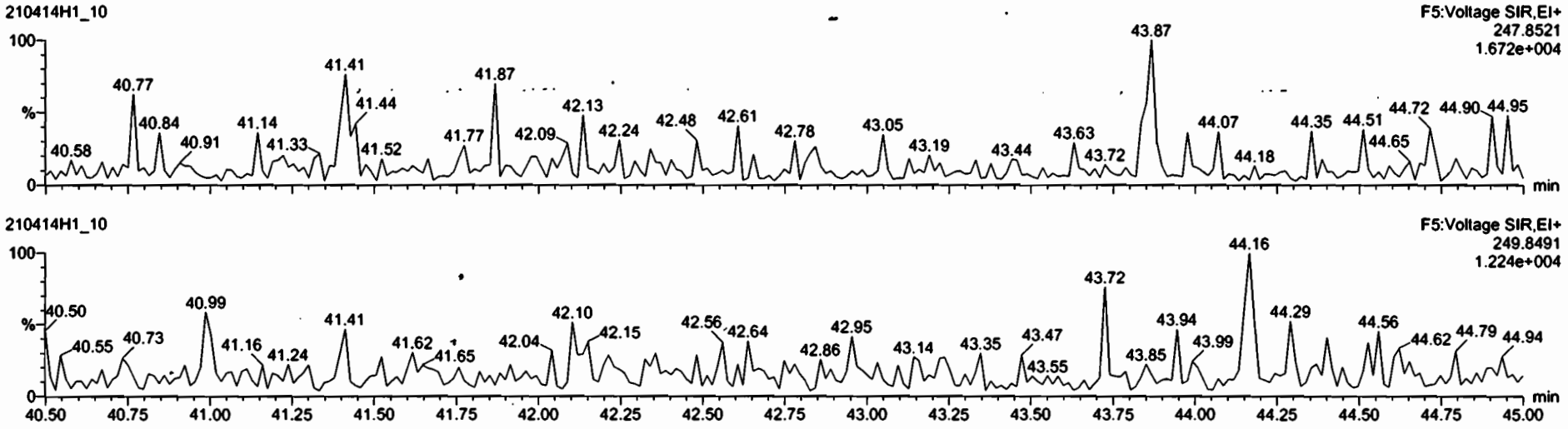
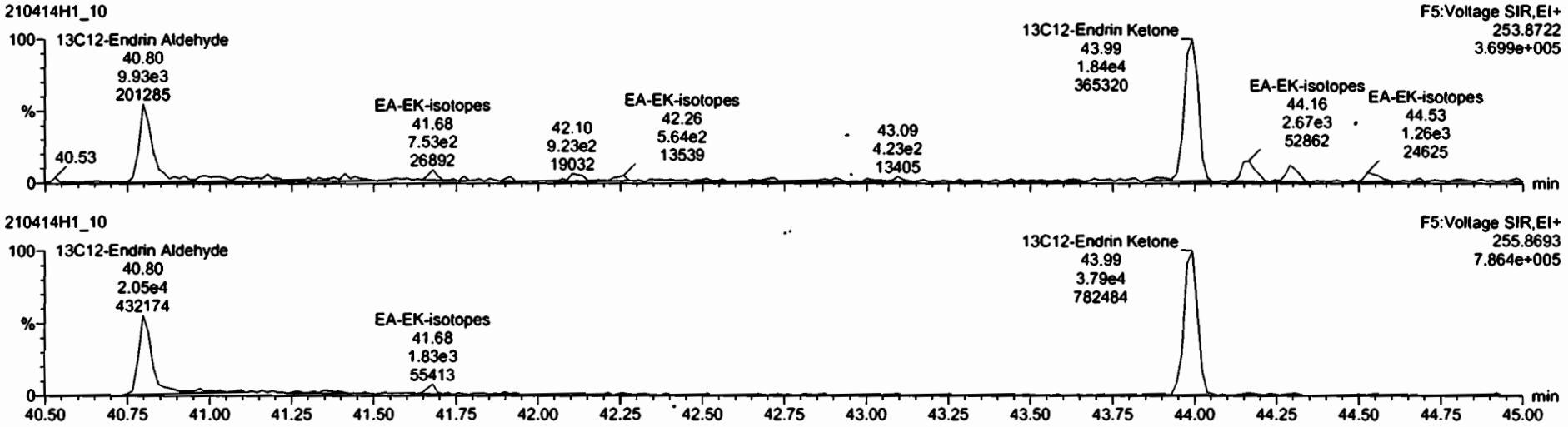
EA-EK



EA-EK-isotopes



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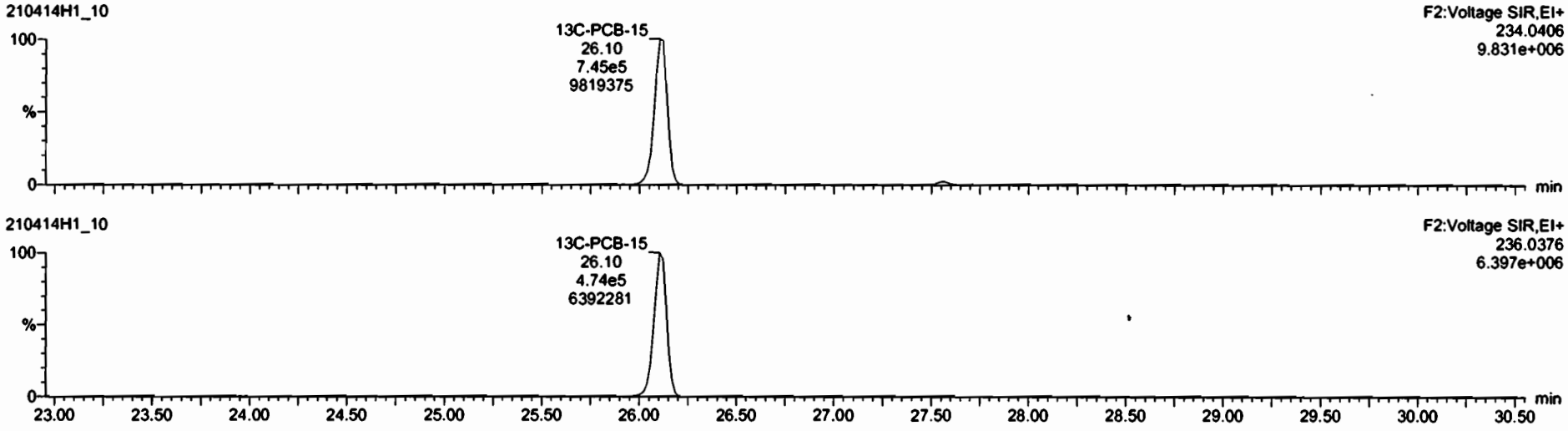
13C-PCB-15



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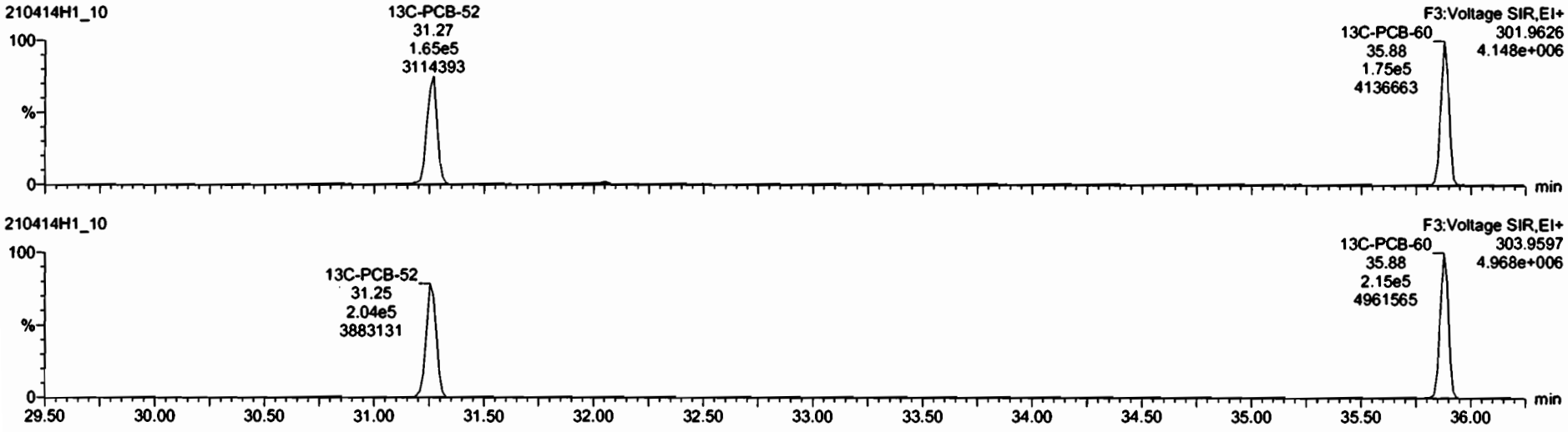

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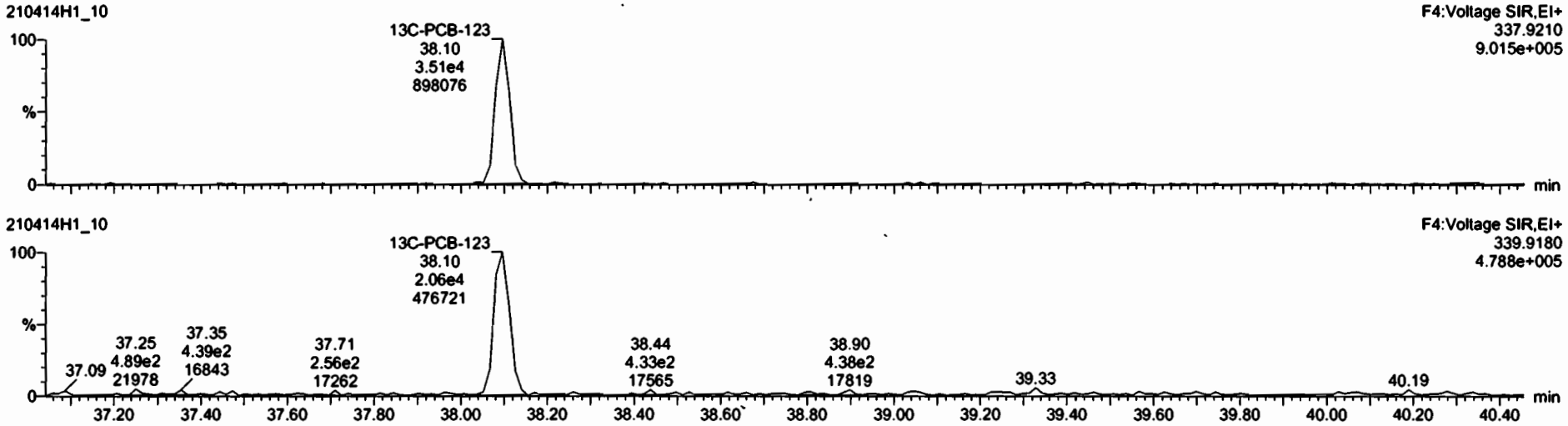
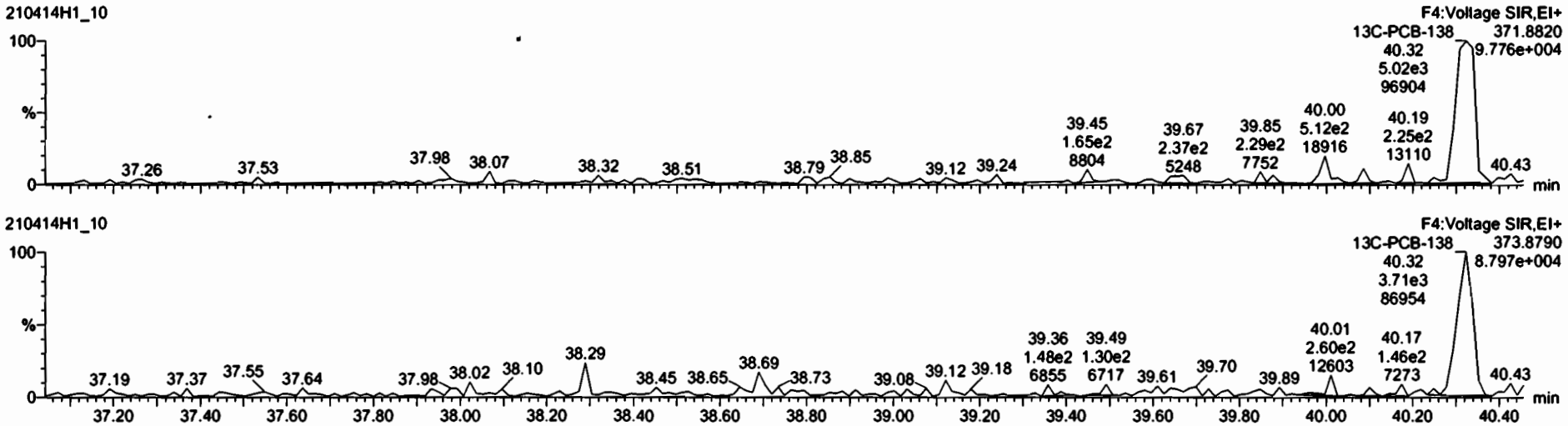


13C-PCB-138



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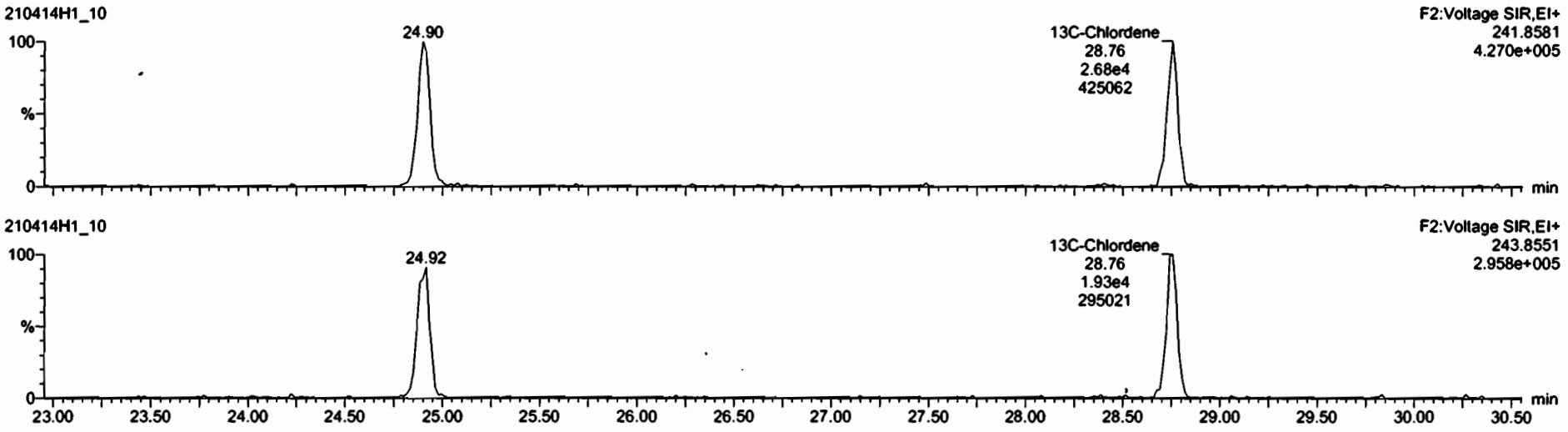
13C-Chlordene



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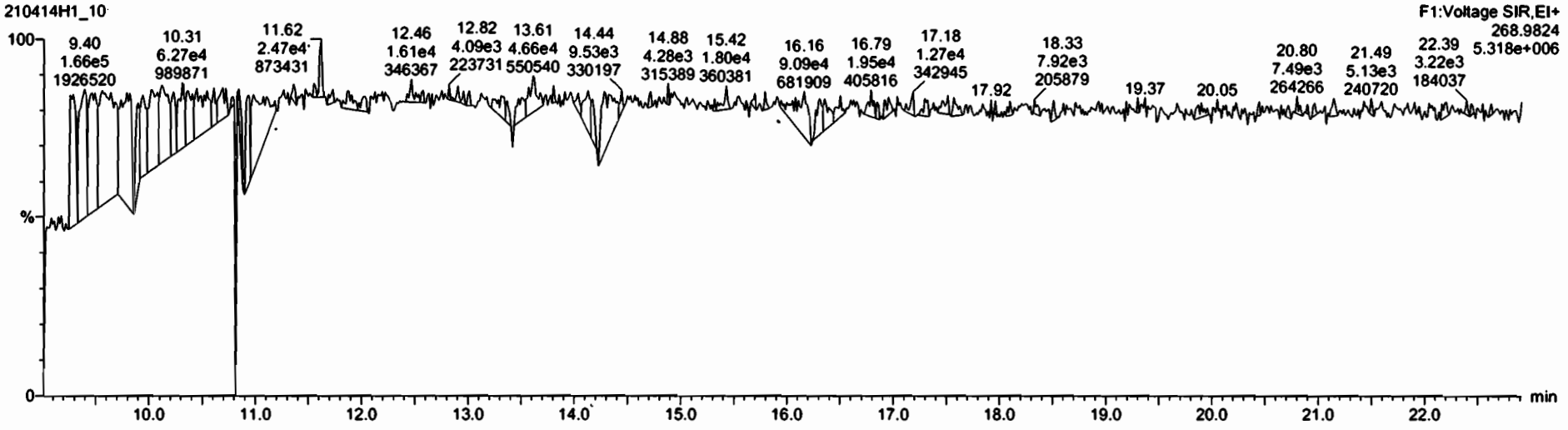

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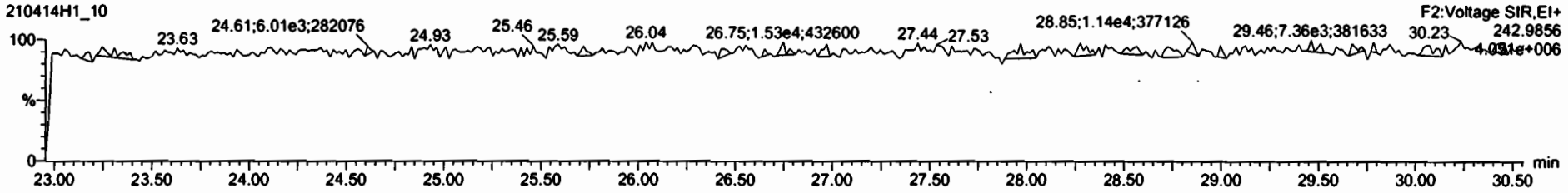

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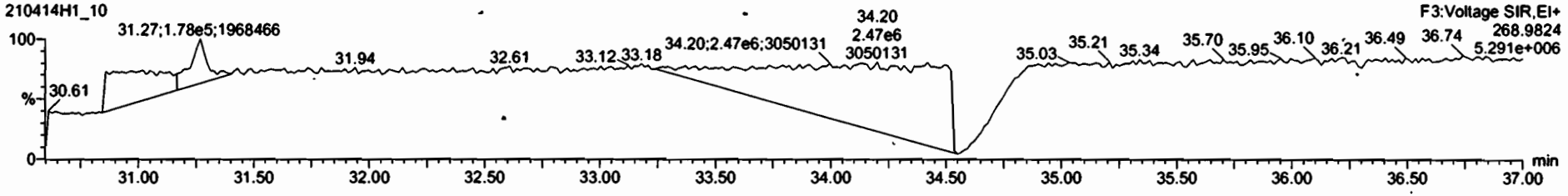

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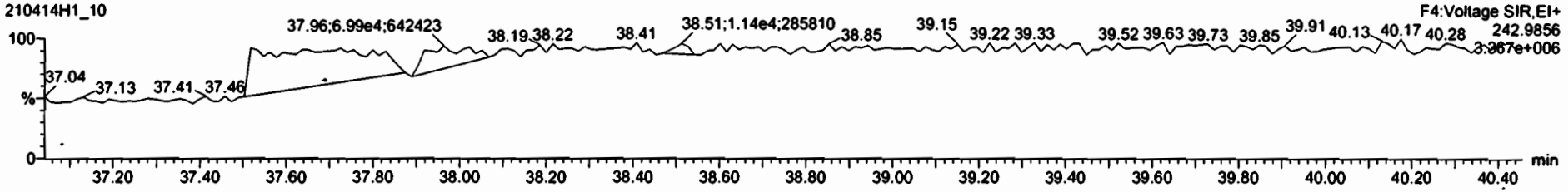
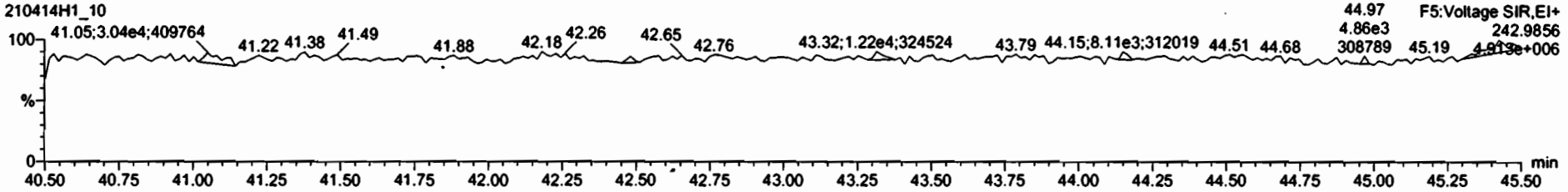


PFK5



Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_9.qld

Last Altered: Friday, April 16, 2021 12:25:07 Pacific Daylight Time
Printed: Friday, April 16, 2021 14:39:50 Pacific Daylight Time

OC 04/28/21
DF 04/16/21
CT 05/03/2021

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_9, Date: 14-Apr-2021, Time: 16:16:56, ID: 2103216-15RE1 USMPDI-066RAB-00-10-210315 1.3, Description: USMPDI-066RAB-00-10-210315, Task: ST210414H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	4	Lindane (gamma-...		2.25e5		NO	0.860	1.172 ✓			1.000	YES			4.02	
2	9	Aldrin		1.85e5		NO	1.09	1.172			1.001	YES			0.829	
3	10	Oxychlordane		5.27e4		NO	1.06	1.172			1.001	YES			2.82	
4	13	trans-Chlordane (g...	3.54e2	4.16e4	1.30	NO	1.14	1.172	35.08 ✓	1.001	1.001	NO	6.3785		2.87	6.38
5	14	trans-Nonachlor		4.11e4		NO	1.06	1.172			1.000	YES			3.31	
6	15	cis-Chlordane		4.11e4		NO	1.16	1.172			1.016	YES			3.01	
7	18	2,4'-DDE		1.25e6		NO	1.02	1.172			1.000	YES			1.21	
8	19	4,4'-DDE	8.38e3	8.39e5	1.49	NO	1.04	1.172	36.77 ✓	1.000	1.000	NO	8.2037		1.65	8.20
9	20	Dieldrin	4.06e2	8.90e4	2.81	YES	1.03	1.172	37.29 ✓	1.001	1.001	NO	3.7633		2.27	2.54
10	22	cis-Nonachlor		3.72e4		NO	1.00	1.172			1.000	YES			5.35	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_9.qld

Last Altered: Friday, April 16, 2021 12:25:07 Pacific Daylight Time
Printed: Friday, April 16, 2021 14:40:11 Pacific Daylight Time

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Name: 210414H1_9, Date: 14-Apr-2021, Time: 16:16:56, ID: 2103216-15RE1 USMPDI-066RAB-00-10-210315 1.3, Description: USMPDI-066RAB-00-10-210315, Task: ST210414H1_1

	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	24 2,4'-DDD		9.29e5		NO	1.07	1.172			1.000	YES			2.35	
2	25 2,4'-DDT		4.21e5		NO	1.05	1.172			1.000	YES			5.17	
3	26 4,4'-DDD		6.35e5		NO	1.16	1.172			1.000	YES			2.88	
4	27 4,4'-DDT		2.93e5		NO	1.13	1.172			1.001	YES			6.58	
5	36 13C6-Lindane (ga...	2.25e5	1.55e6	0.79	NO	0.194	1.172	26.57	1.019	1.019	NO	640.52	75.1	2.91	
6	40 13C12-Aldrin	1.85e5	1.55e6	1.53	NO	0.154	1.172	30.80	1.181	1.181	NO	660.63	77.5	1.83	
7	41 13C10-Oxychlorda...	5.27e4	1.55e6	1.68	NO	0.0404	1.172	33.37	1.280	1.280	NO	719.22	84.3	6.97	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_9.qld

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Name: 210414H1_9, Date: 14-Apr-2021, Time: 16:16:56, ID: 2103216-15RE1 USMPDI-066RAB-00-10-210315 1.3, Description: USMPDI-066RAB-00-10-210315, Task: ST210414H1_1

	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	43 13C10-trans-Chlor...	4.16e4	1.55e6	1.50	NO	0.0358	1.172	35.05	1.344	1.344	NO	640.67	75.1	7.87	
2	44 13C10-trans-Nona...	4.11e4	8.27e5	1.71	NO	0.0638	1.172	35.22	0.983	0.983	NO	664.34	77.9	4.78	
3	46 13C12-2,4'-DDE	1.25e6	8.27e5	1.59	NO	1.43	1.172	35.69	0.996	0.995	NO	899.82	105	1.14	
4	47 13C12-4,4'-DDE	8.39e5	8.27e5	1.55	NO	0.995	1.172	36.75	1.025	1.026	NO	869.61	102	1.64	
5	48 13C12-Dieldrin	8.90e4	8.27e5	1.62	NO	0.146	1.172	37.26	1.039	1.040	NO	627.01	73.5	2.73	
6	50 13C10-cis-Nonach...	3.72e4	8.27e5	1.73	NO	0.0791	1.172	38.94	1.086	1.087	NO	483.88	56.7	5.05	
7	52 13C12-2,4'-DDD	9.29e5	8.27e5	1.65	NO	1.35	1.172	37.89	1.057	1.057	NO	707.63	83.0	2.79	
8	53 13C12-2,4'-DDT	4.21e5	8.27e5	1.58	NO	0.962	1.172	39.02	1.088	1.089	NO	451.08	52.9	3.92	
9	54 13C12-4,4'-DDD	6.35e5	8.27e5	1.61	NO	1.12	1.172	39.13	1.092	1.092	NO	581.72	68.2	3.36	
10	55 13C12-4,4'-DDT	2.93e5	8.27e5	1.73	NO	0.735	1.172	40.20	1.122	1.122	NO	411.02	48.2	5.14	
11	62 13C-PCB-15	1.55e6	1.55e6	1.57	NO	1.00	1.172	26.07	1.000	1.000	NO	852.92	100	0.601	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_9.qld

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Name: 210414H1_9, Date: 14-Apr-2021, Time: 16:16:56, ID: 2103216-15RE1 USMPDI-066RAB-00-10-210315 1.3, Description: USMPDI-066RAB-00-10-210315, Task: ST210414H1_1

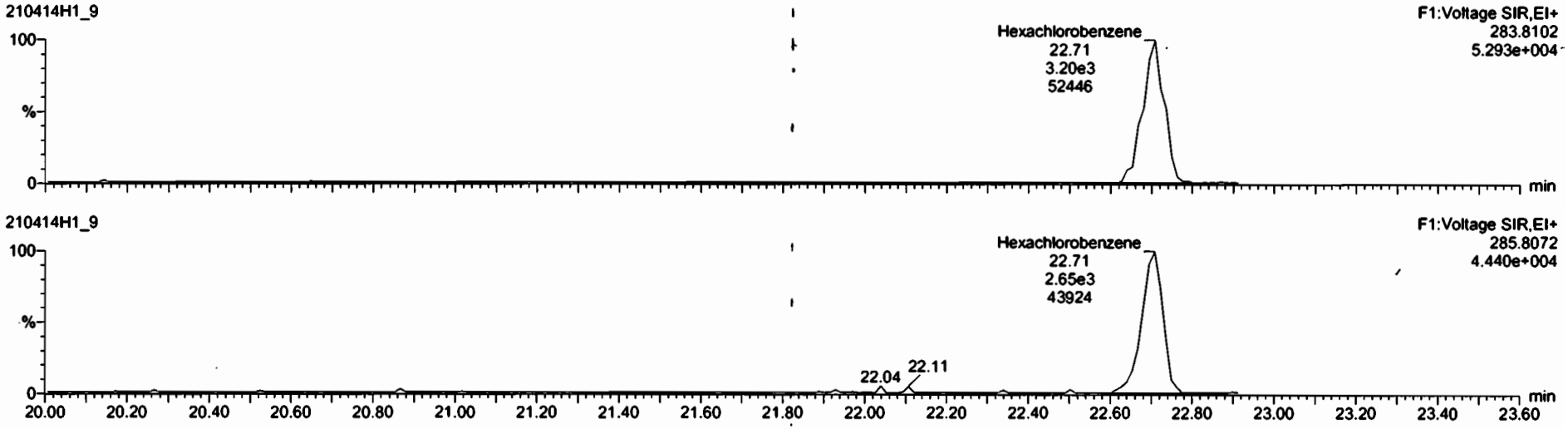
	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	63	13C-PCB-60	8.27e5	8.27e5	0.80	NO	1.00	1.172	35.85	1.000	1.000	NO	852.92	100	0.821	

Dataset: Untitled

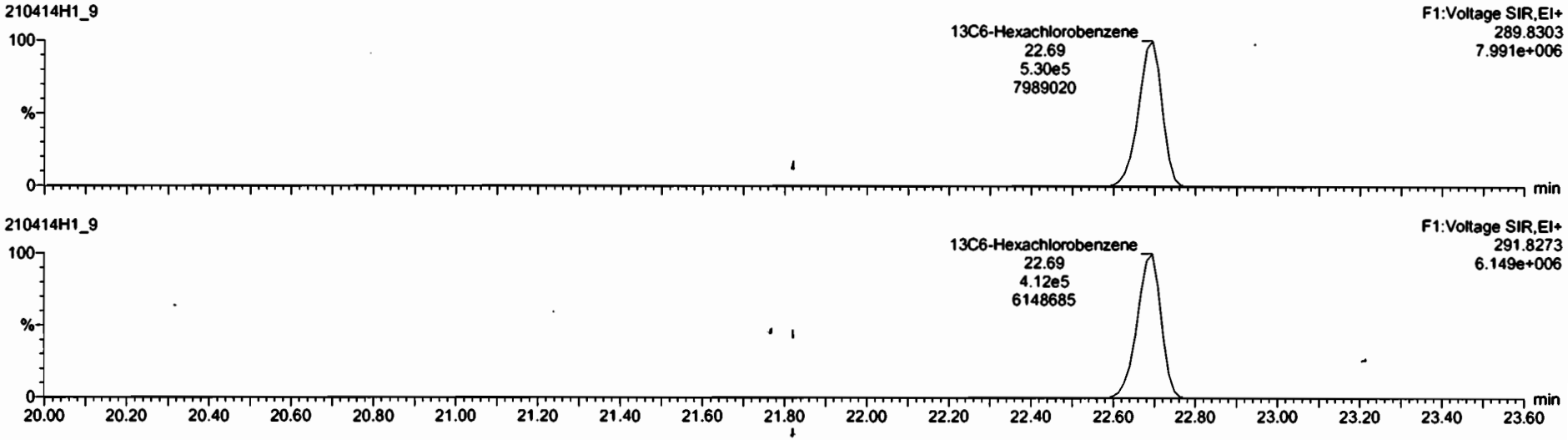
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_9, Date: 14-Apr-2021, Time: 16:16:56, ID: 2103216-15RE1 USMPDI-066RAB-00-10-210315 1.3, Description: USMPDI-066RAB-00-10-210315

Hexachlorobenzene



13C6-Hexachlorobenzene



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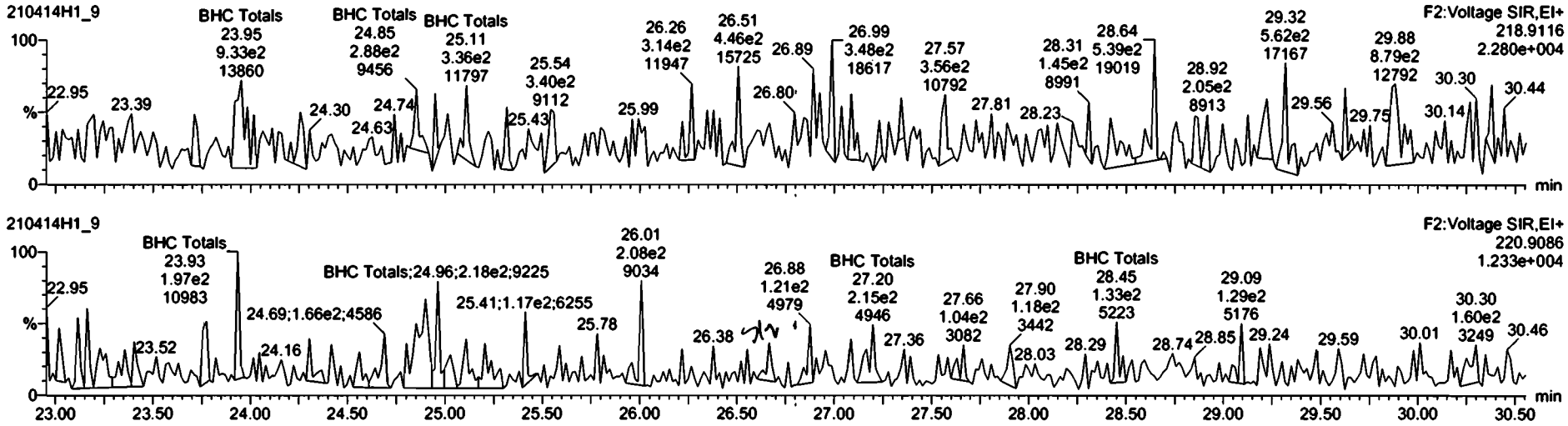
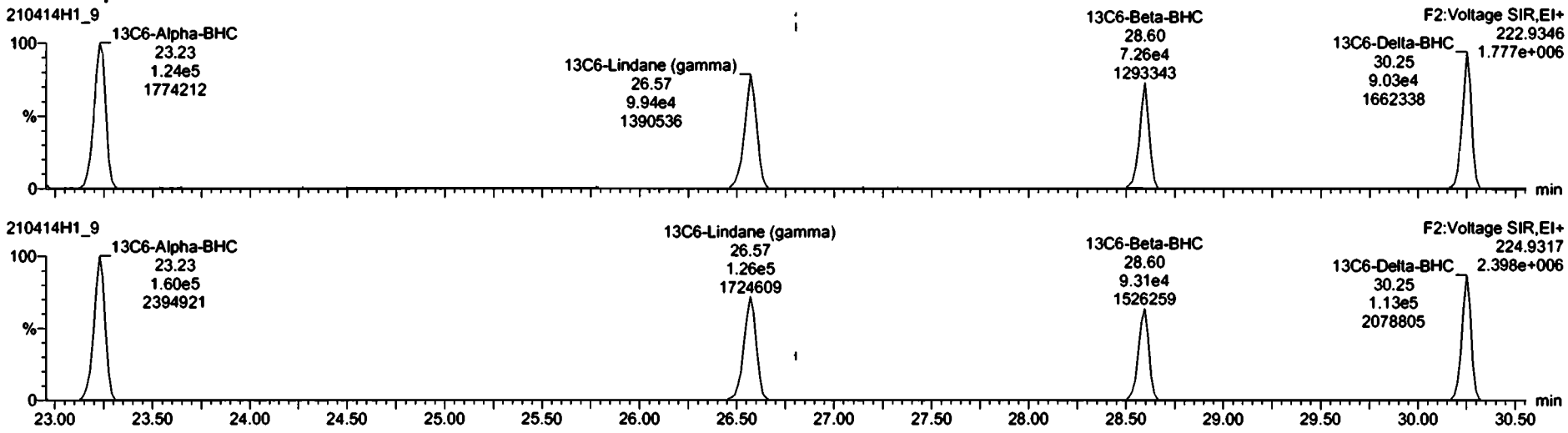
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_9, Date: 14-Apr-2021, Time: 16:16:56, ID: 2103216-15RE1 USMPDI-066RAB-00-10-210315 1.3, Description: USMPDI-066RAB-00-10-210315

BHC Totals



BHC-isotopes



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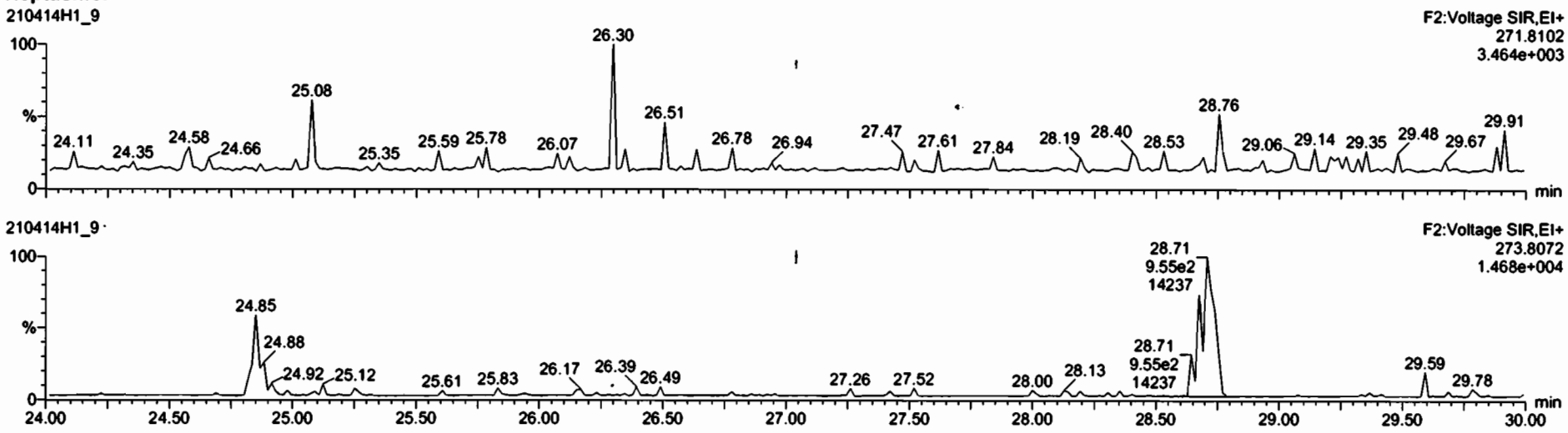
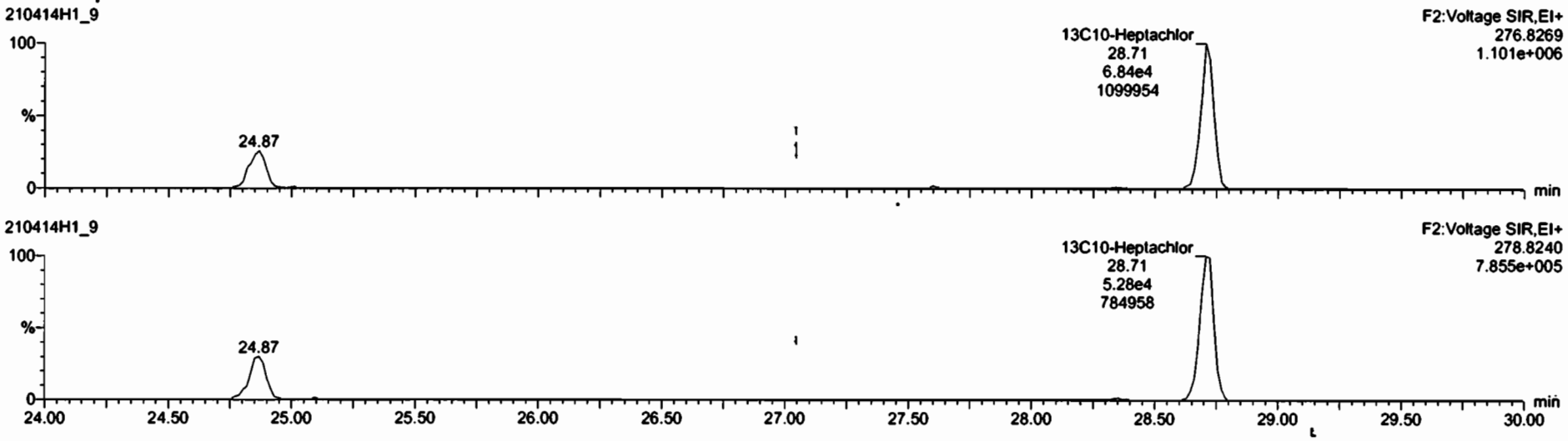
Name: 210414H1_9, Date: 14-Apr-2021, Time: 16:16:56, ID: 2103216-15RE1 USMPDI-066RAB-00-10-210315 1.3, Description: USMPDI-066RAB-00-10-210315

Heptachlor



13C10-Heptachlor



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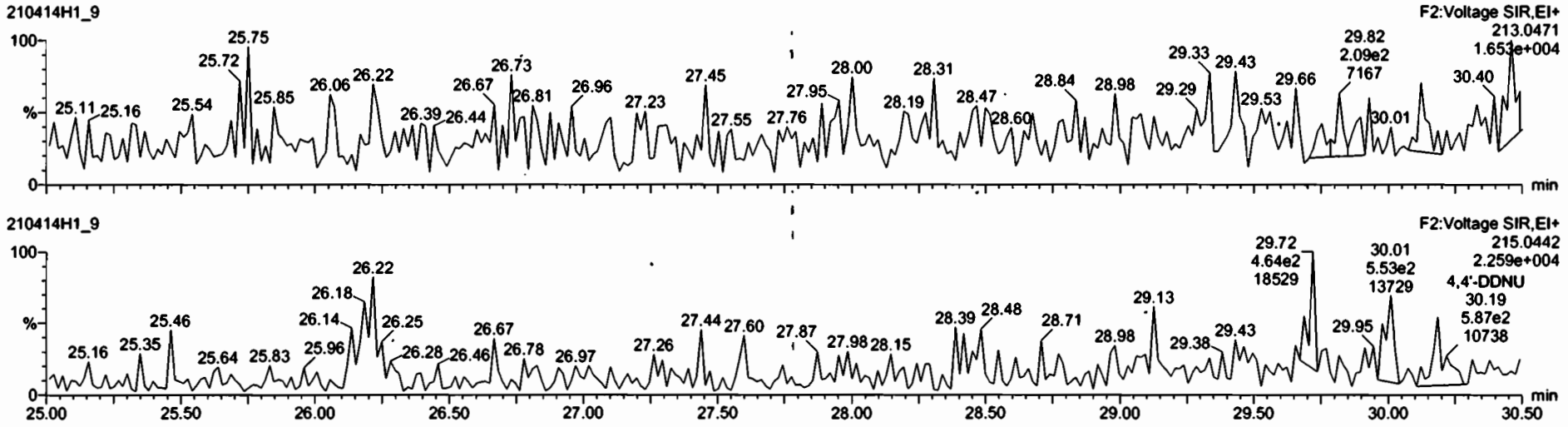
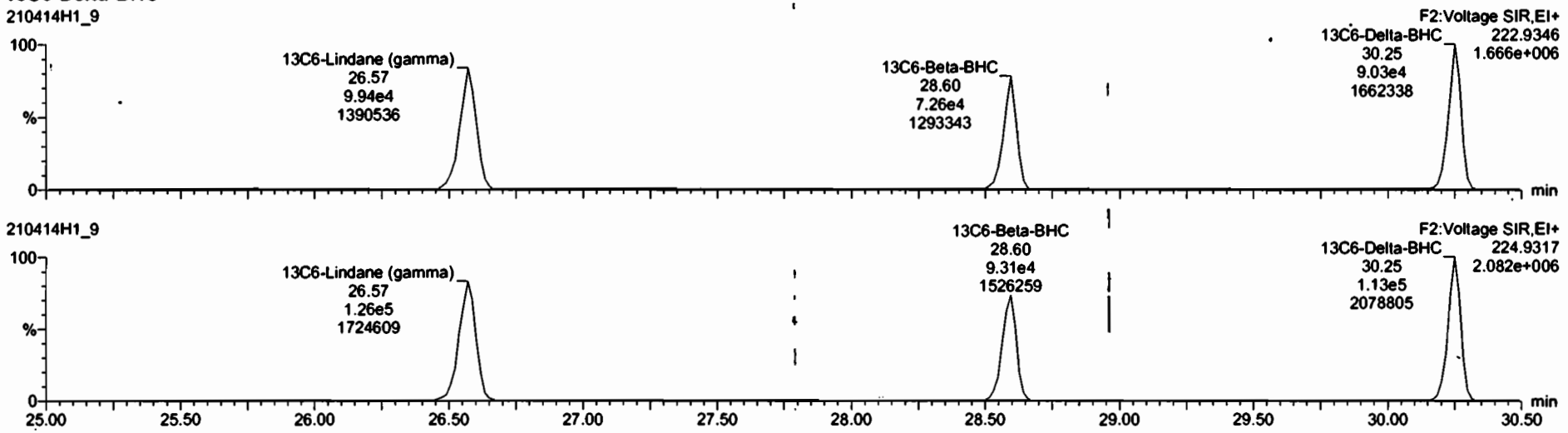
Name: 210414H1_9, Date: 14-Apr-2021, Time: 16:16:56, ID: 2103216-15RE1 USMPDI-066RAB-00-10-210315 1.3, Description: USMPDI-066RAB-00-10-210315

4,4'-DDNU



13C6-Delta-BHC



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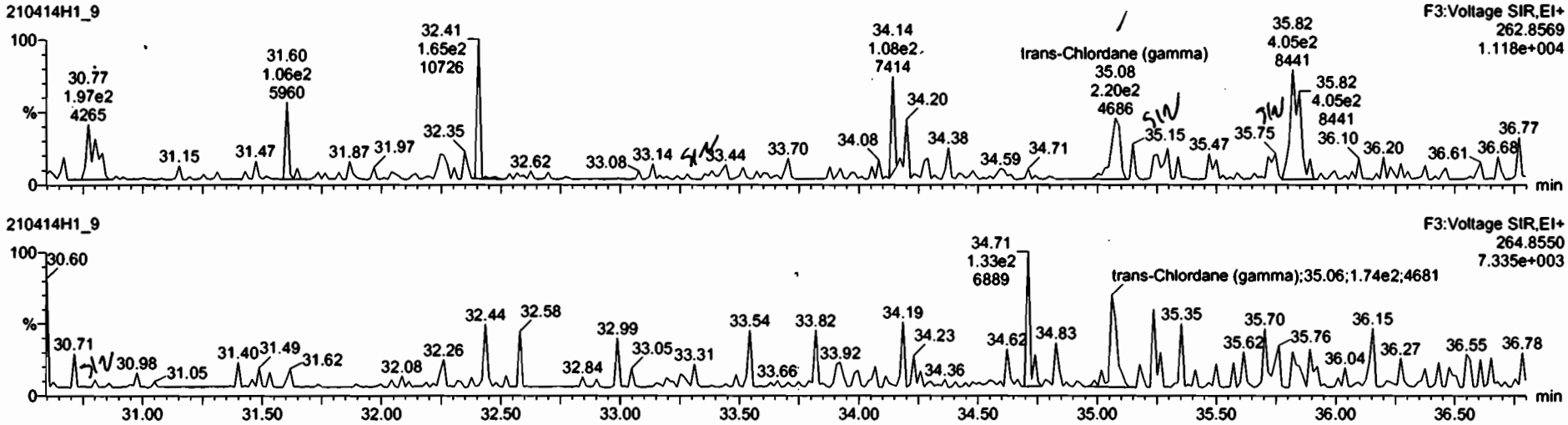
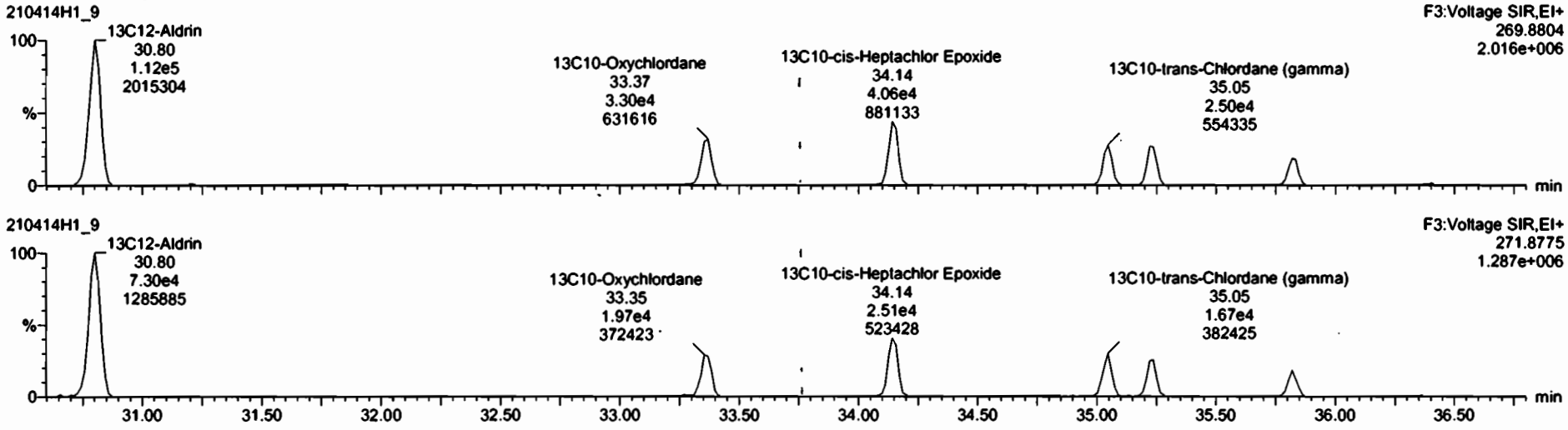
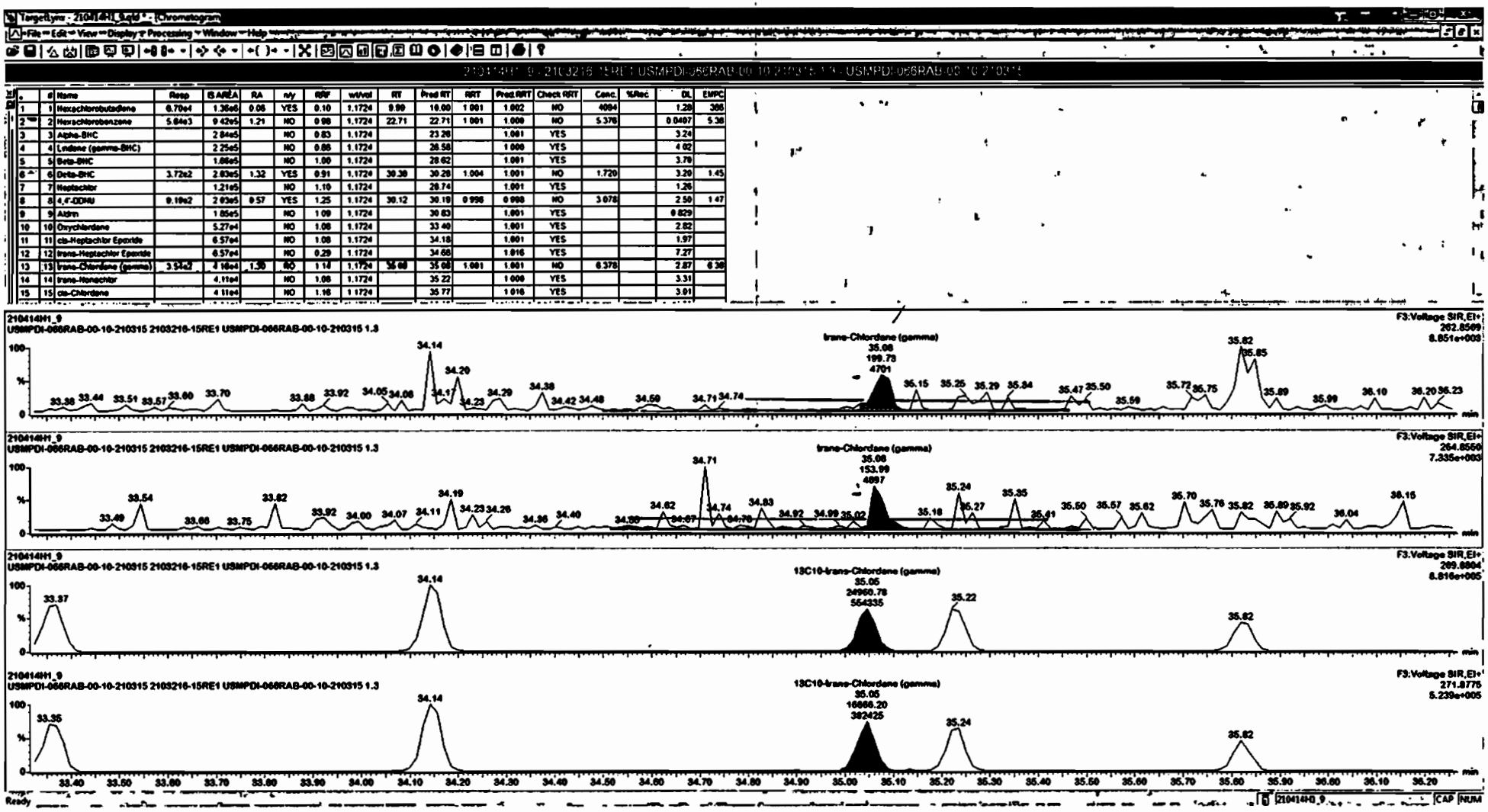
Aldrin-EI

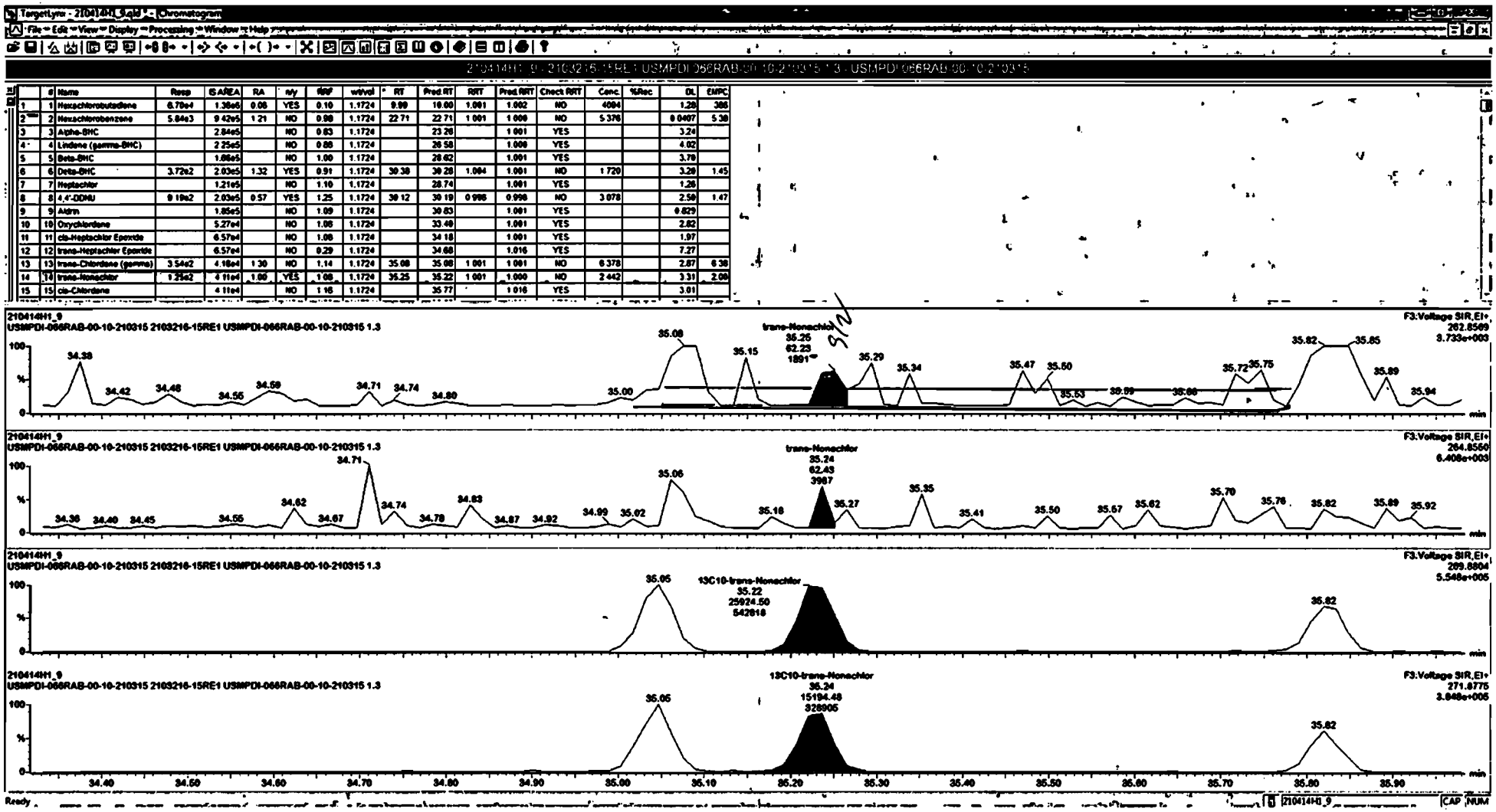


Aldrin-EI-isotopes





#	Name	Resp	IS AREA	RA	n/y	RRF	w/Vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	Hexachlorobutadiene	6.70e4	1.36e6	0.05	YES	0.10	1.1724	9.99	10.00	1.001	1.002	NO	4084		1.28	386
2	Hexachlorobenzene	5.84e3	9.42e5	1.21	NO	0.98	1.1724	22.71	22.71	1.001	1.000	NO	5.376		0.0407	5.38
3	Alpha-BHC		2.84e5		NO	0.83	1.1724		23.26		1.001	YES			3.24	
4	Lindane (gamma-BHC)		2.25e5		NO	0.86	1.1724		26.58		1.000	YES			4.02	
5	Beta-BHC		1.86e5		NO	1.00	1.1724		28.62		1.001	YES			3.78	
6	Delta-BHC	3.72e2	2.83e5	1.32	YES	0.91	1.1724	30.30	30.26	1.004	1.001	NO	1.720		3.20	1.45
7	Heptachlor		1.21e5		NO	1.10	1.1724		28.74		1.001	YES			1.26	
8	4,4'-DDMU	9.19e2	2.93e5	0.57	YES	1.25	1.1724	30.12	30.19	0.998	0.998	NO	3.078		2.50	1.47
9	Aldrin		1.85e5		NO	1.09	1.1724		30.83		1.001	YES			0.829	
10	Oxychlordane		5.27e4		NO	1.08	1.1724		33.40		1.001	YES			2.82	
11	cis-Heptachlor Epoxide		6.57e4		NO	1.08	1.1724		34.18		1.001	YES			1.97	
12	trans-Heptachlor Epoxide		6.57e4		NO	0.29	1.1724		34.66		1.016	YES			7.27	
13	trans-Chlordane (gamma)	3.54e3	4.18e4	1.36	NO	1.14	1.1724	35.08	35.08	1.001	1.001	NO	6.378		2.87	6.38
14	trans-Nonachlor		4.11e4		NO	1.08	1.1724		35.22		1.000	YES			3.31	
15	cis-Chlordane		4.11e4		NO	1.16	1.1724		35.77		1.016	YES			3.91	



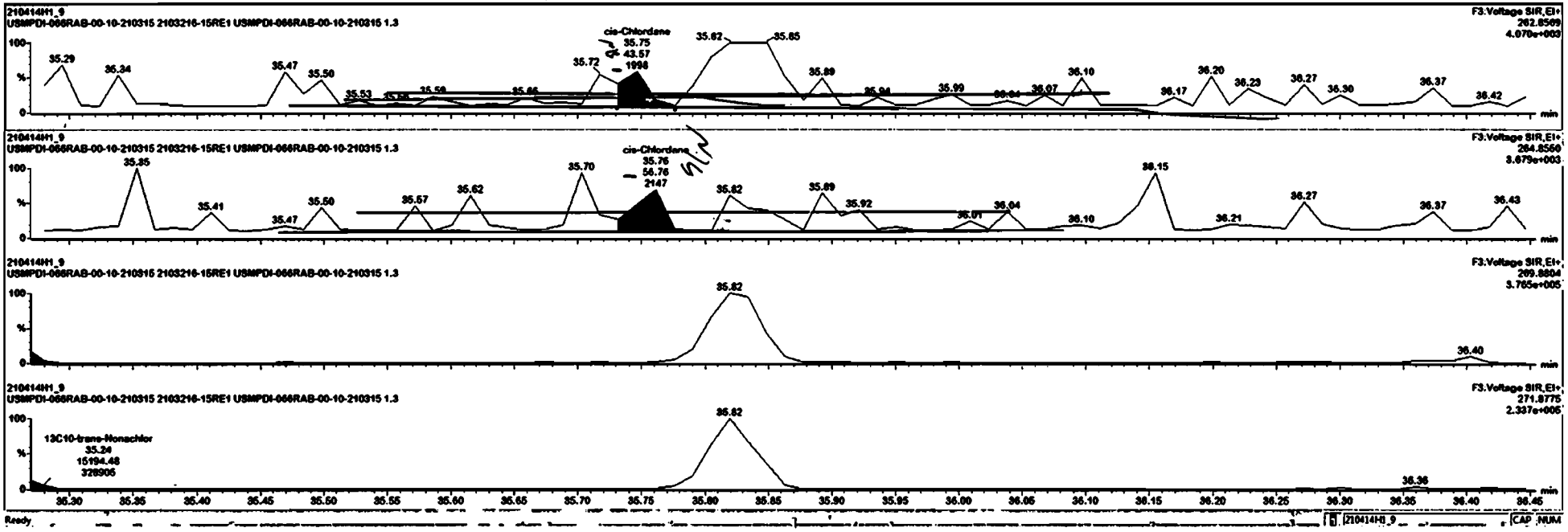
	#	Name	Resp	IS AREA	RA	rty	RRF	wrtval	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1	Hexachlorobutadiene	6.78e4	1.36e6	0.06	YES	0.10	1.1724	9.99	10.00	1.001	1.002	NO	4094		1.28	386
2	2	Hexachlorobenzene	5.84e3	9.42e5	1.21	NO	0.98	1.1724	22.71	22.71	1.001	1.000	NO	5.376		0.0407	5.38
3	3	Alpha-BHC		2.84e5		NO	0.83	1.1724		23.26		1.001	YES			3.24	
4	4	Lindane (gamma-BHC)		2.25e5		NO	0.88	1.1724		26.58		1.000	YES			4.02	
5	5	Beta-BHC		1.66e5		NO	1.00	1.1724		28.62		1.001	YES			3.78	
6	6	Delta-BHC	3.72e2	2.03e5	1.32	YES	0.91	1.1724	30.38	30.28	1.004	1.001	NO	1.720		3.28	1.45
7	7	Heptachlor		1.21e5		NO	1.10	1.1724		28.74		1.001	YES			1.26	
8	8	4,4'-DDMU	9.19e2	2.03e5	0.57	YES	1.25	1.1724	30.12	30.19	0.998	0.998	NO	3.078		2.58	1.47
9	9	Aldrin		1.85e5		NO	1.09	1.1724		30.83		1.001	YES			0.829	
10	10	Oxychlordane		5.27e4		NO	1.08	1.1724		33.40		1.001	YES			2.62	
11	11	cis-Heptachlor Epoxide		6.57e4		NO	1.08	1.1724		34.18		1.001	YES			1.97	
12	12	trans-Heptachlor Epoxide		6.57e4		NO	0.29	1.1724		34.68		1.016	YES			7.27	
13	13	trans-Chlordane (gamma)	3.54e2	4.18e4	1.30	NO	1.14	1.1724	35.08	35.08	1.001	1.001	NO	6.378		2.87	6.38
14	14	trans-Nonachlor	1.25e2	4.11e4	1.00	YES	1.08	1.1724	35.25	35.22	1.001	1.000	NO	2.442		3.31	2.09
15	15	cis-Chlordane		4.11e4		NO	1.16	1.1724		35.77		1.016	YES			3.01	

TargetLynx - 210414H1_9.qld * - Chromatogram

File Edit View Display Processing Window Help

210414H1_9 - 2103216-15RE1 USMPDI-066RAB-00-10-210315 1.3 - USMPDI-066RAB-00-10-210315

	#	Name	Resp	ISAREA	RA	n/y	RRF	wt/vol	RT	Pred.RT	RRT	Pred.RRT	Check RRT	Conc	%Rec	DL	EMPC
1	1	Hexachlorobutadiene	6.70e4	1.36e6	0.06	YES	0.10	1.1724	9.99	10.00	1.001	1.002	NO	4094		1.28	386
2	2	Hexachlorobenzene	5.84e3	9.42e5	1.21	NO	0.98	1.1724	22.71	22.71	1.001	1.000	NO	5.376		0.0407	5.38
3	3	Alpha-BHC		2.84e5		NO	0.83	1.1724		23.26		1.001	YES			3.24	
4	4	Lindane (gamma-BHC)		2.25e5		NO	0.88	1.1724		26.58		1.000	YES			4.02	
5	5	Beta-BHC		1.66e5		NO	1.00	1.1724		28.62		1.001	YES			3.70	
6	6	Delta-BHC	3.72e2	2.03e5	1.32	YES	0.91	1.1724	30.38	30.28	1.004	1.001	NO	1.720		3.20	1.45
7	7	Heptachlor		1.21e5		NO	1.10	1.1724		28.74		1.001	YES			1.26	
8	8	4,4'-DDNU	9.19e2	2.03e5	0.57	YES	1.25	1.1724	30.12	30.19	0.998	0.998	NO	3.078		2.50	1.47
9	9	Aldrin		1.85e5		NO	1.09	1.1724		30.83		1.001	YES			0.829	
10	10	Oxychlordane		5.27e4		NO	1.08	1.1724		33.40		1.001	YES			2.82	
11	11	cis-Heptachlor Epoxide		6.57e4		NO	1.08	1.1724		34.18		1.001	YES			1.97	
12	12	trans-Heptachlor Epoxide		6.57e4		NO	0.29	1.1724		34.68		1.016	YES			7.27	
13	13	trans-Chlordane (gamma)	3.54e2	4.16e4	1.30	NO	1.14	1.1724	35.08	35.08	1.001	1.001	NO	6.378		2.87	6.38
14	14	trans-Nonachlor	1.25e2	4.11e4	1.00	YES	1.08	1.1724	35.25	35.22	1.001	1.000	NO	2.442		3.31	2.00
15	15	cis-Chlordane	1.00e2	4.11e4	0.77	YES	1.16	1.1724	35.75	35.77	1.015	1.016	NO	1.787		3.01	1.27



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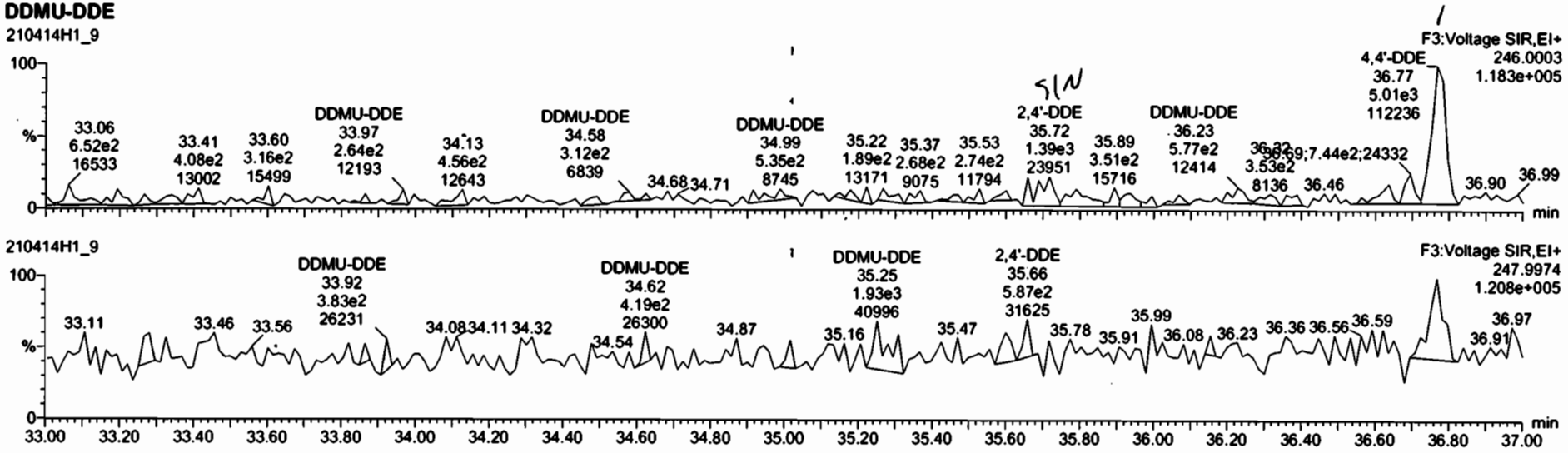
DDMU-DDE



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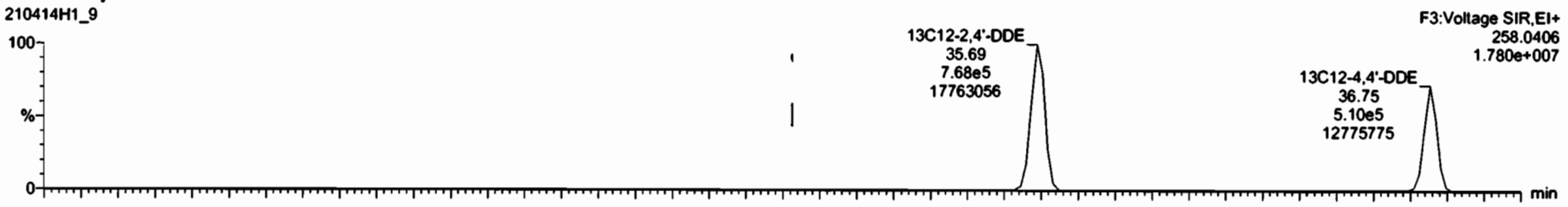

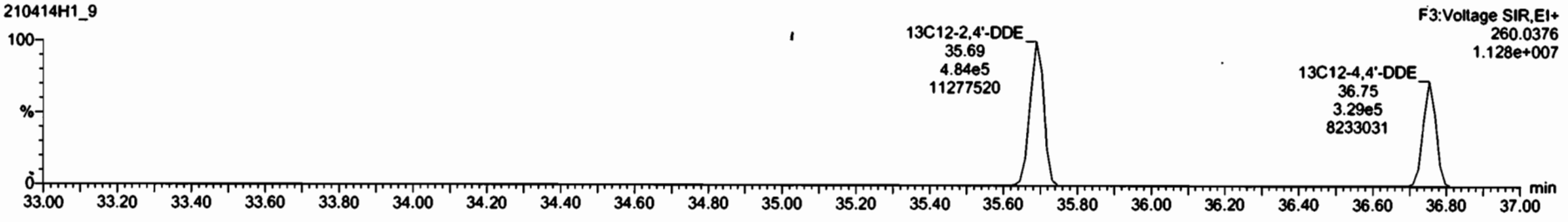

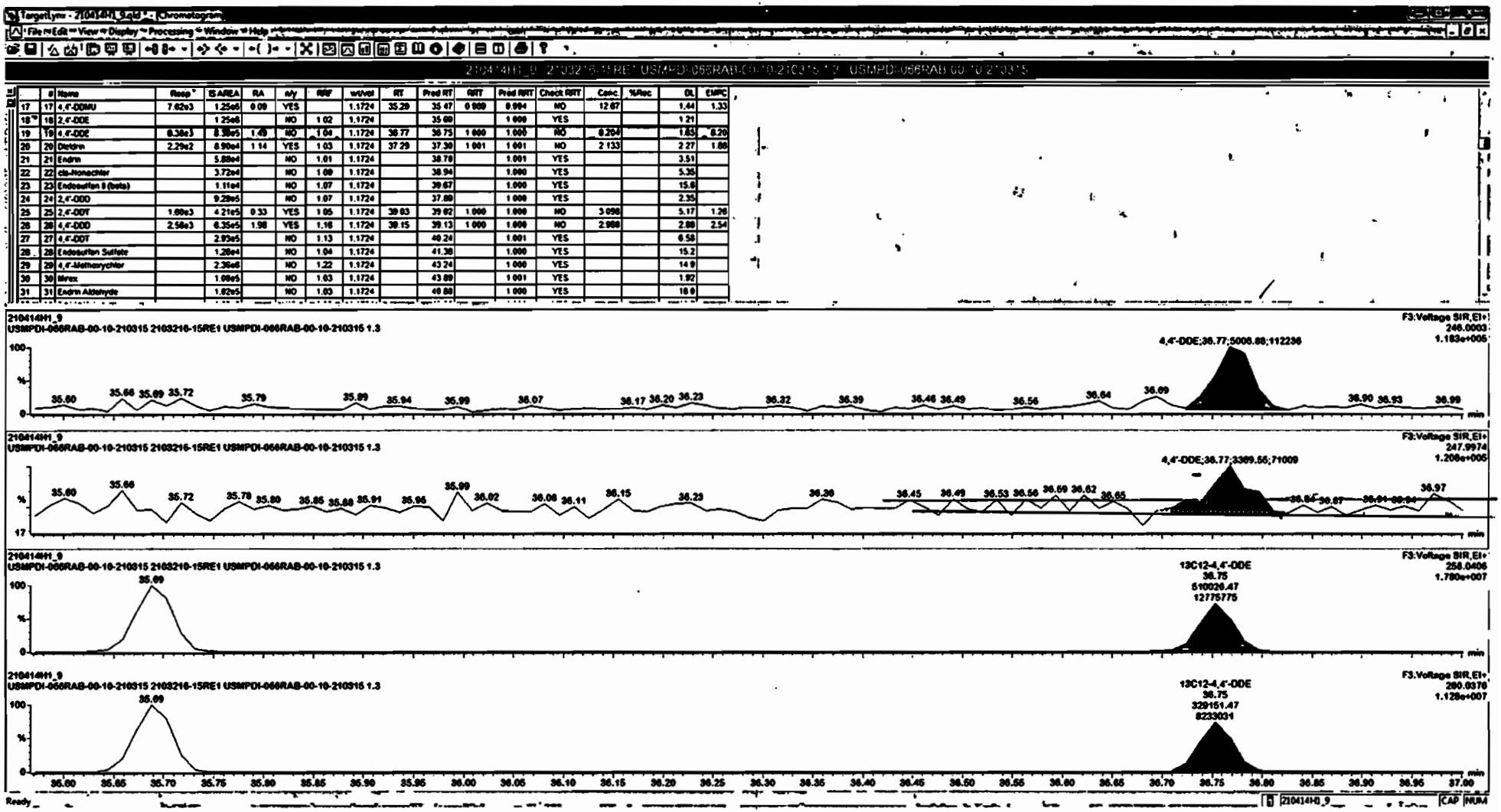
TargetLynx - 210414H1_9.qld * - [Chromatogram]
File Edit View Display Processing Window Help
210414H1_9 2103216-15RE1 USMPDI-066RAB-00-10-210315 1.3 USMPDI-066RAB-00-10-210315
Name Resp IS AREA RA o/y RRF w/wt RT Pred RT RRT Pred RRT Check RRT Conc. %Rec DL EMPC
17 17 4,4'-DDMU 7.62e3 1.25e6 0.09 YES 1.1724 35.29 35.47 0.989 0.994 NO 12.67 1.44 1.33
18 18 2,4'-DDE 1.25e6 NO 1.02 1.1724 35.69 1.000 YES 1.21
19 19 4,4'-DDE 8.38e3 8.38e5 1.49 NO 1.04 1.1724 38.77 38.75 1.000 1.000 NO 8.204 1.85 8.20
20 20 Dieldrin 2.29e2 6.90e4 1.14 YES 1.03 1.1724 37.29 37.30 1.001 1.001 NO 2.133 2.27 1.86
21 21 Endrin 5.88e4 NO 1.01 1.1724 38.78 1.001 YES 3.51
22 22 cis-Nonachlor 3.72e4 NO 1.09 1.1724 38.94 1.000 YES 5.36
23 23 Endosulfan II (beta) 1.11e4 NO 1.07 1.1724 39.67 1.000 YES 15.6
24 24 2,4'-DDD 9.29e5 NO 1.07 1.1724 37.89 1.000 YES 2.35
25 25 2,4'-DDT 1.69e3 4.21e5 0.33 YES 1.05 1.1724 39.83 39.92 1.000 1.000 NO 3.098 5.17 1.26
26 26 4,4'-DDD 2.56e3 6.35e5 1.98 YES 1.16 1.1724 39.15 39.13 1.000 1.000 NO 2.988 2.88 2.54
27 27 4,4'-DDT 2.93e5 NO 1.13 1.1724 40.24 1.001 YES 6.58
28 28 Endosulfan Sulfate 1.28e4 NO 1.04 1.1724 41.38 1.000 YES 15.2
29 29 4,4'-Methoxychlor 2.36e6 NO 1.22 1.1724 43.24 1.000 YES 14.9
30 30 Mirex 1.06e5 NO 1.03 1.1724 43.89 1.001 YES 1.92
31 31 Endrin Aldehyde 1.62e5 NO 1.03 1.1724 40.88 1.000 YES 18.0
210414H1_9
USMPDI-066RAB-00-10-210315 2103216-15RE1 USMPDI-066RAB-00-10-210315 1.3
F3:Voltage SIR,EI+
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USMPDI-066RAB-00-10-210315 2103216-15RE1 USMPDI-066RAB-00-10-210315 1.3
F3:Voltage SIR,EI+
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1.206e+005
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210414H1_9
USMPDI-066RAB-00-10-210315 2103216-15RE1 USMPDI-066RAB-00-10-210315 1.3
F3:Voltage SIR,EI+
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1.780e+007
13C12-4,4'-DDE
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210414H1_9
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F3:Voltage SIR,EI+
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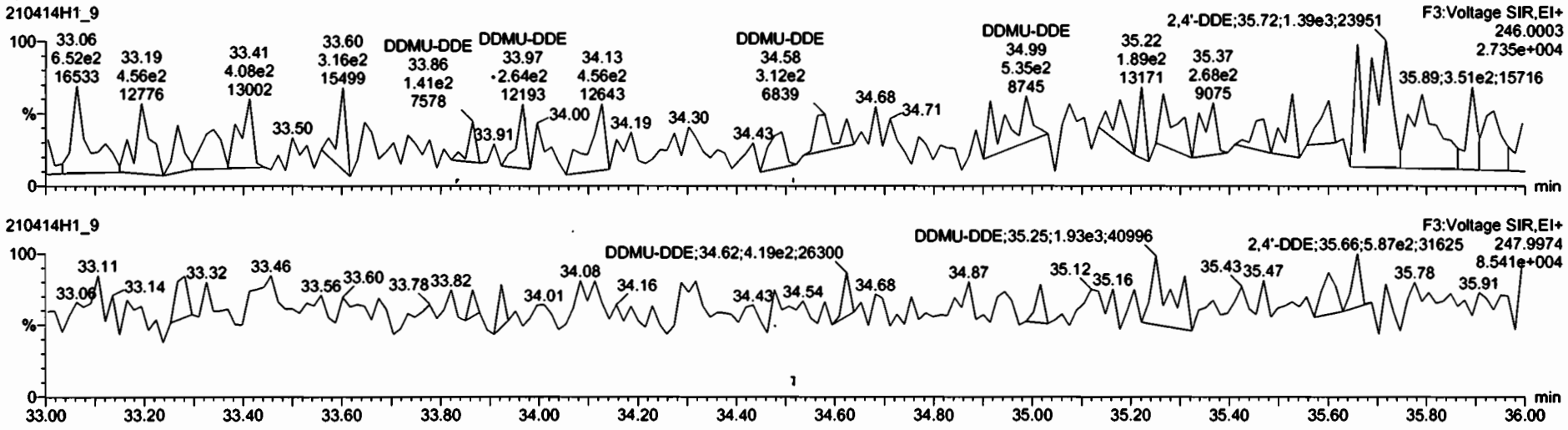
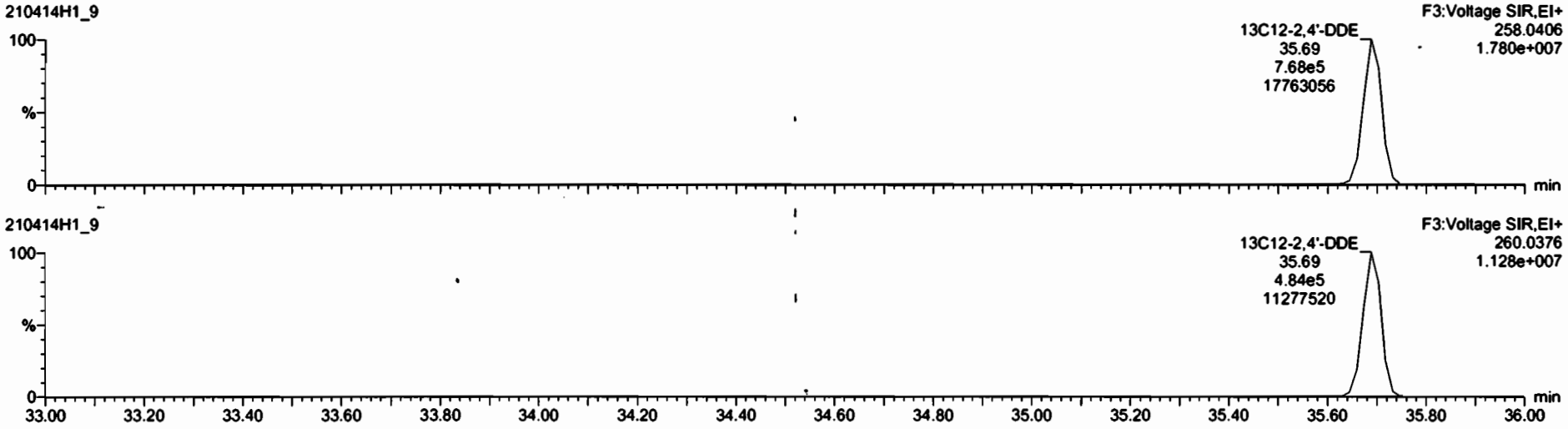
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_9, Date: 14-Apr-2021, Time: 16:16:56, ID: 2103216-15RE1 USMPDI-066RAB-00-10-210315 1.3, Description: USMPDI-066RAB-00-10-210315

2,4'-DDE



13C12-2,4'-DDE



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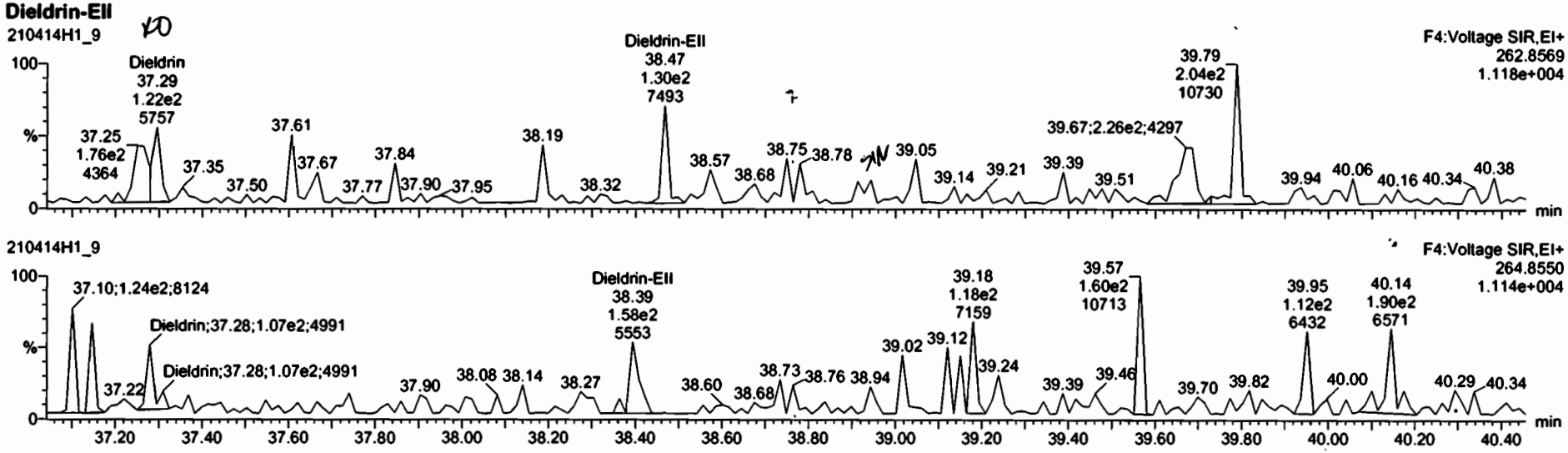
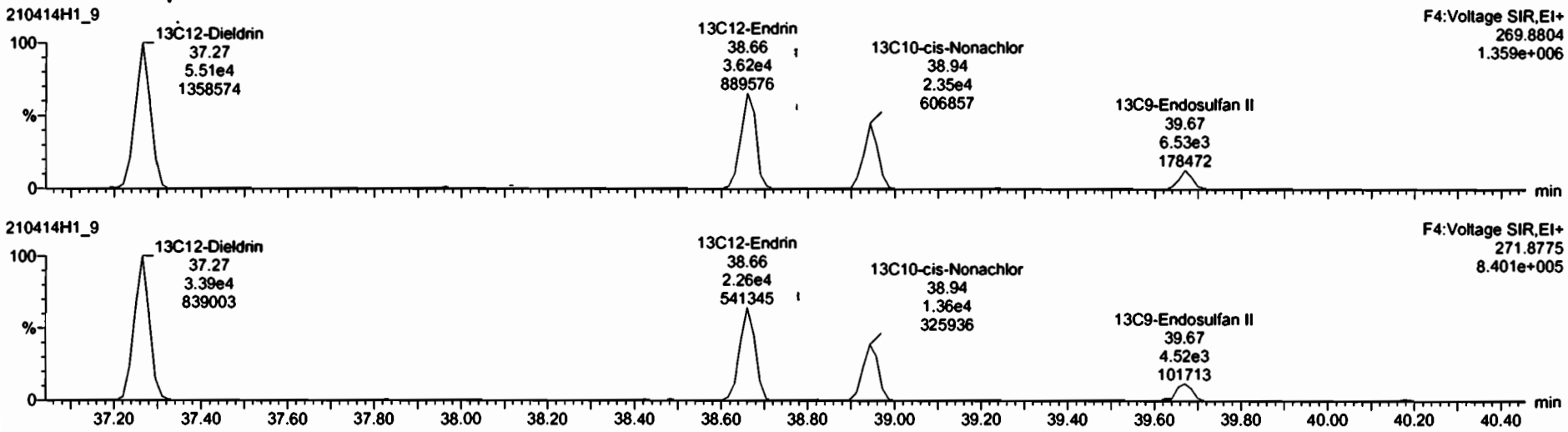
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_9, Date: 14-Apr-2021, Time: 16:16:56, ID: 2103216-15RE1 USMPDI-066RAB-00-10-210315 1.3, Description: USMPDI-066RAB-00-10-210315

Dieldrin-EII



Dieldrin-EII-isotopes

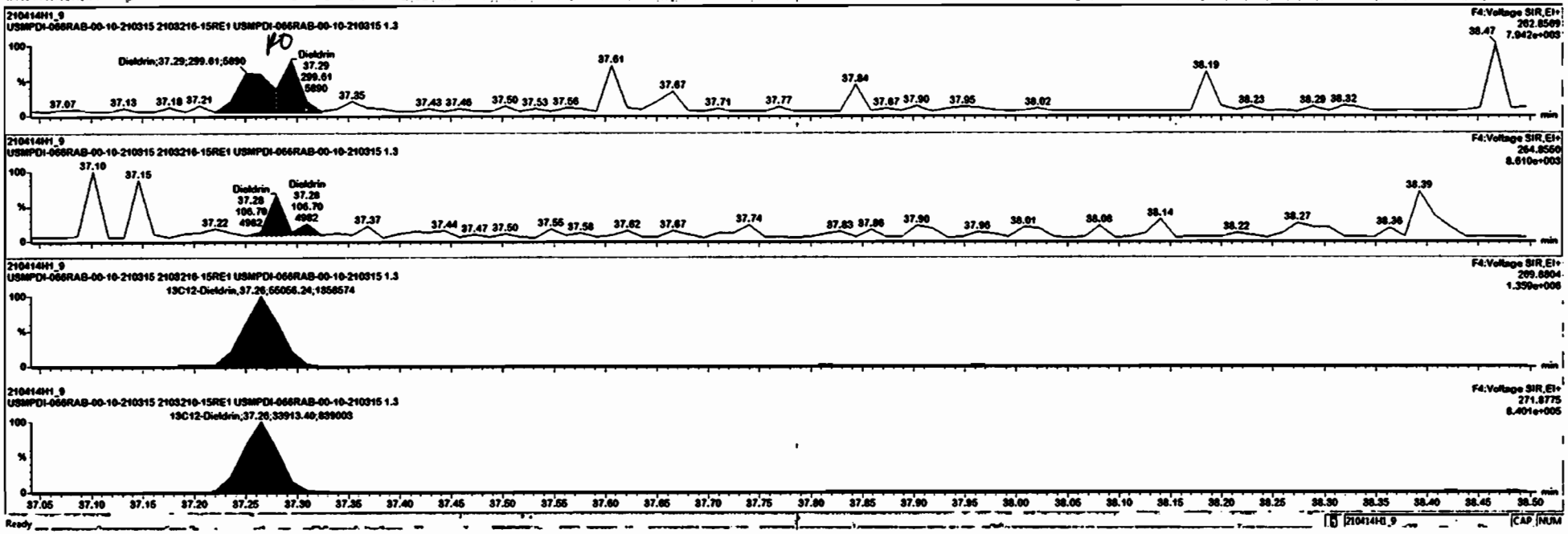


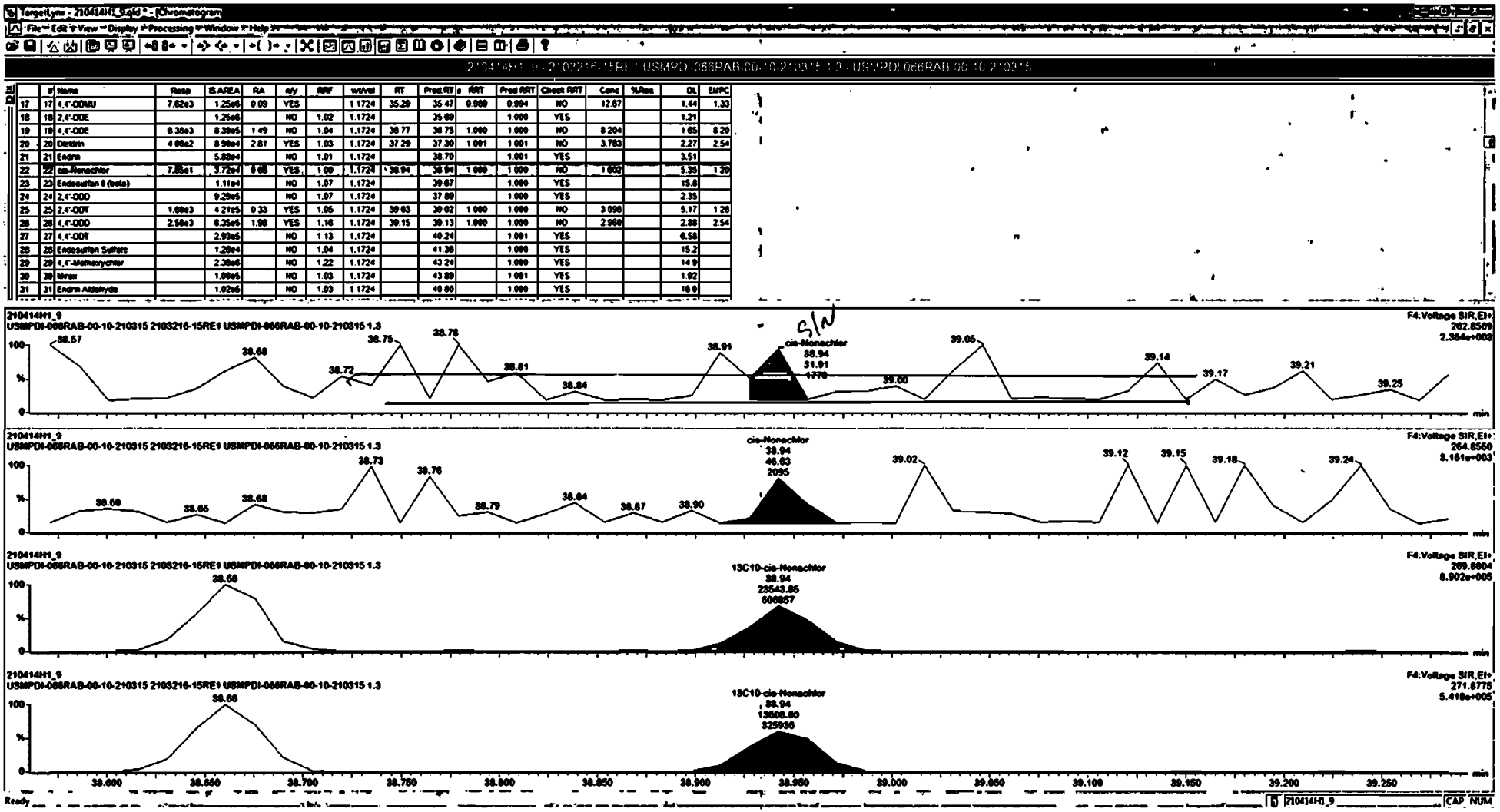
TargetLynx - 210414H1_9.qld - Chromatogram

File Edit View Display Processing Window Help

210414H1_9 - 2103216-15RE1 USMPDI-066RAB-00-10-210315 1.3 - USMPDI-066RAB-00-10-210315

	#	Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
17	17	4,4'-DDMU	7.62e3	1.25e6	0.09	YES		1.1724	35.29	35.47	0.989	0.994	NO	12.67		1.44	1.33
18	18	2,4'-DDE		1.25e6		NO	1.02	1.1724		35.60		1.000	YES			1.21	
19	19	4,4'-DDE	8.38e3	8.39e5	1.49	NO	1.04	1.1724	36.77	36.75	1.000	1.000	NO	8.204		1.65	8.20
20	20	Dieldrin	4.06e2	8.89e4	2.81	YES	1.03	1.1724	37.29	37.30	1.001	1.001	NO	3.783		2.27	2.54
21	21	Endrin		5.88e4		NO	1.01	1.1724		38.70		1.001	YES			3.51	
22	22	cis-Nonachlor		3.72e4		NO	1.00	1.1724		38.94		1.000	YES			5.35	
23	23	Endosulfan II (beta)		1.11e4		NO	1.07	1.1724		39.67		1.000	YES			15.8	
24	24	2,4'-DDD		9.29e5		NO	1.07	1.1724		37.89		1.000	YES			2.35	
25	25	2,4'-DDT	1.60e3	4.21e5	0.33	YES	1.05	1.1724	39.03	39.02	1.000	1.000	NO	3.098		5.17	1.26
26	26	4,4'-DDD	2.56e3	6.35e5	1.98	YES	1.16	1.1724	39.15	39.13	1.000	1.000	NO	2.980		2.88	2.54
27	27	4,4'-DDT		2.93e5		NO	1.13	1.1724		40.24		1.001	YES			6.58	
28	28	Endosulfan Sulfate		1.26e4		NO	1.04	1.1724		41.38		1.000	YES			15.2	
29	29	4,4'-Methoxychlor		2.36e6		NO	1.22	1.1724		43.24		1.000	YES			14.9	
30	30	Mirex		1.06e5		NO	1.03	1.1724		43.89		1.001	YES			1.92	
31	31	Endrin Aldehyde		1.02e5		NO	1.03	1.1724		40.80		1.000	YES			18.0	





	#	Name	Resp	IS AREA	RA	o/y	RRF	wt/vol	RT	Pred RT	d RT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
17	17	4,4'-DDMU	7.62e3	1.25e6	0.09	YES		1.1724	35.29	35.47	0.999	0.994	NO	12.67		1.44	1.33
18	18	2,4'-DDE		1.25e6		NO	1.02	1.1724		35.69		1.000	YES			1.21	
19	19	4,4'-DDE	8.38e3	8.39e5	1.49	NO	1.04	1.1724	36.77	36.75	1.000	1.000	NO	8.204		1.65	8.20
20	20	Dieldrin	4.66e2	8.98e4	2.81	YES	1.03	1.1724	37.29	37.30	1.001	1.001	NO	3.783		2.27	2.54
21	21	Endrin		5.88e4		NO	1.01	1.1724		38.70		1.001	YES			3.51	
22	22	cis-Nonachlor	7.85e1	3.72e4	0.08	YES	1.00	1.1724	38.94	38.94	1.000	1.000	NO	1.602		5.35	1.20
23	23	Endosulfan II (beta)		1.11e4		NO	1.07	1.1724		39.67		1.000	YES			15.8	
24	24	2,4'-DDD		9.29e5		NO	1.07	1.1724		37.89		1.000	YES			2.35	
25	25	2,4'-DDT	1.68e3	4.21e5	0.33	YES	1.05	1.1724	39.03	39.02	1.000	1.000	NO	3.098		5.17	1.26
26	26	4,4'-DDD	2.56e3	6.35e5	1.98	YES	1.16	1.1724	39.15	39.13	1.000	1.000	NO	2.988		2.88	2.54
27	27	4,4'-DDT		2.93e5		NO	1.13	1.1724		40.24		1.001	YES			6.58	
28	28	Endosulfan Sulfate		1.28e4		NO	1.04	1.1724		41.38		1.000	YES			15.2	
29	29	4,4'-Methoxychlor		2.38e6		NO	1.22	1.1724		43.24		1.000	YES			14.9	
30	30	Mirex		1.06e5		NO	1.03	1.1724		43.89		1.001	YES			1.92	
31	31	Endrin Aldehyde		1.02e5		NO	1.03	1.1724		40.80		1.000	YES			18.0	

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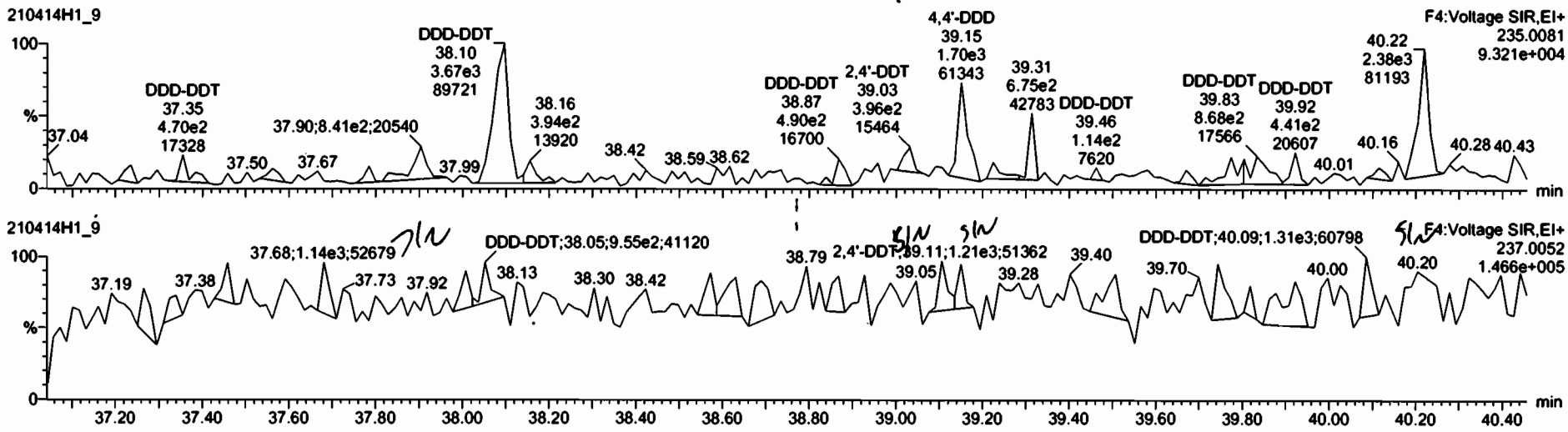
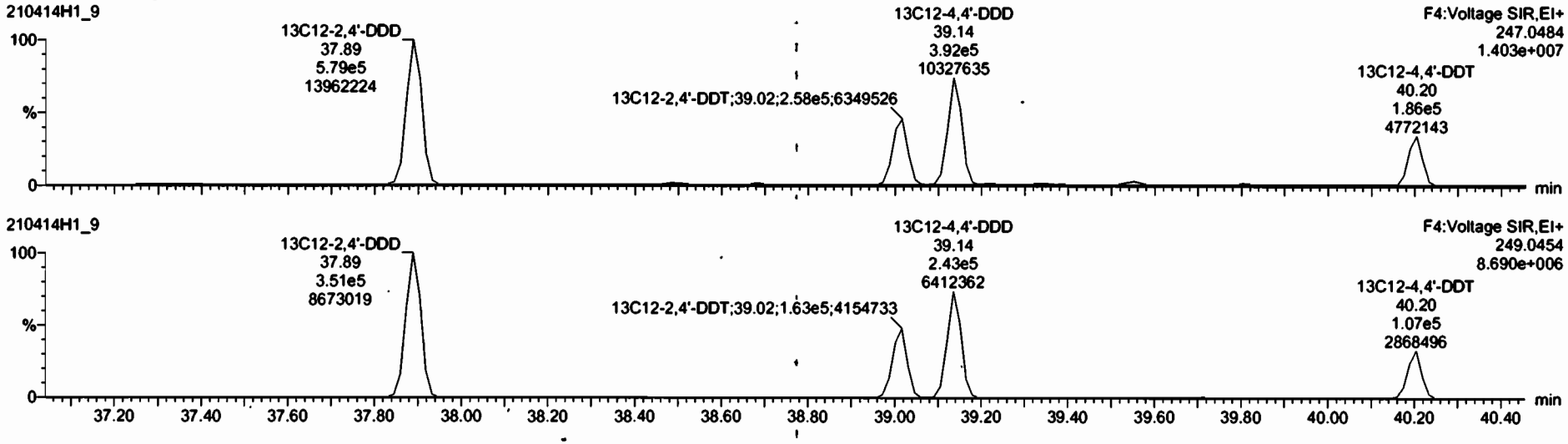
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

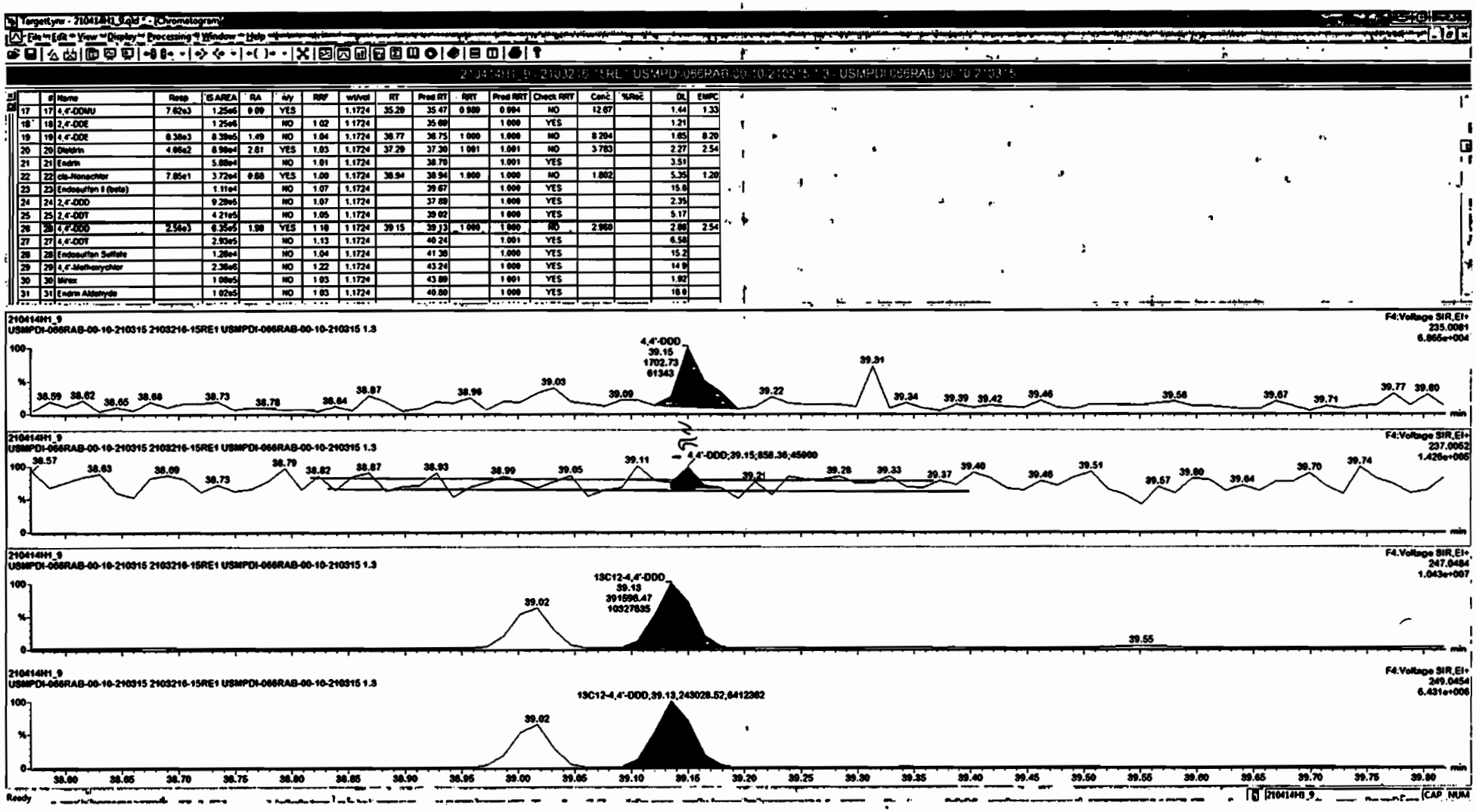
Name: 210414H1_9, Date: 14-Apr-2021, Time: 16:16:56, ID: 2103216-15RE1 USMPDI-066RAB-00-10-210315 1.3, Description: USMPDI-066RAB-00-10-210315

DDD-DDT



DDD-DDT-isotopes





	#	Name	Resp	IS AREA	RA	d/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
17	17	4,4'-DDMU	7.62e3	1.25e6	0.69	YES		1.1724	35.29	35.47	0.989	0.994	NO	12.67		1.44	1.33
18	18	2,4'-DDE		1.25e6		NO	1.02	1.1724		35.69		1.000	YES			1.21	
19	19	4,4'-DDE	8.38e3	8.39e5	1.49	NO	1.04	1.1724	36.77	36.75	1.000	1.000	NO	8.204		1.65	8.20
20	20	Dieldrin	4.66e2	8.98e4	2.81	YES	1.03	1.1724	37.29	37.30	1.001	1.001	NO	3.783		2.27	2.54
21	21	Endrin		5.88e4		NO	1.01	1.1724		38.70		1.001	YES			3.51	
22	22	cis-Nonachlor	7.85e1	3.72e4	0.66	YES	1.00	1.1724	38.94	38.94	1.000	1.000	NO	1.802		5.35	1.20
23	23	Endosulfan II (beta)		1.11e4		NO	1.07	1.1724		39.67		1.000	YES			15.6	
24	24	2,4'-DDD		9.29e5		NO	1.07	1.1724		37.69		1.000	YES			2.35	
25	25	2,4'-DDT		4.21e5		NO	1.05	1.1724		39.02		1.000	YES			5.17	
26	26	4,4'-DDD	2.56e3	6.35e5	1.98	YES	1.18	1.1724	39.15	39.13	1.000	1.000	NO	2.960		2.88	2.54
27	27	4,4'-DDT		2.93e5		NO	1.13	1.1724		40.24		1.001	YES			6.58	
28	28	Endosulfan Sulfate		1.26e4		NO	1.04	1.1724		41.38		1.000	YES			15.2	
29	29	4,4'-Methoxychlor		2.36e6		NO	1.22	1.1724		43.24		1.000	YES			14.9	
30	30	Mirex		1.09e5		NO	1.03	1.1724		43.89		1.001	YES			1.92	
31	31	Endrin Aldehyde		1.02e5		NO	1.03	1.1724		40.80		1.000	YES			18.9	

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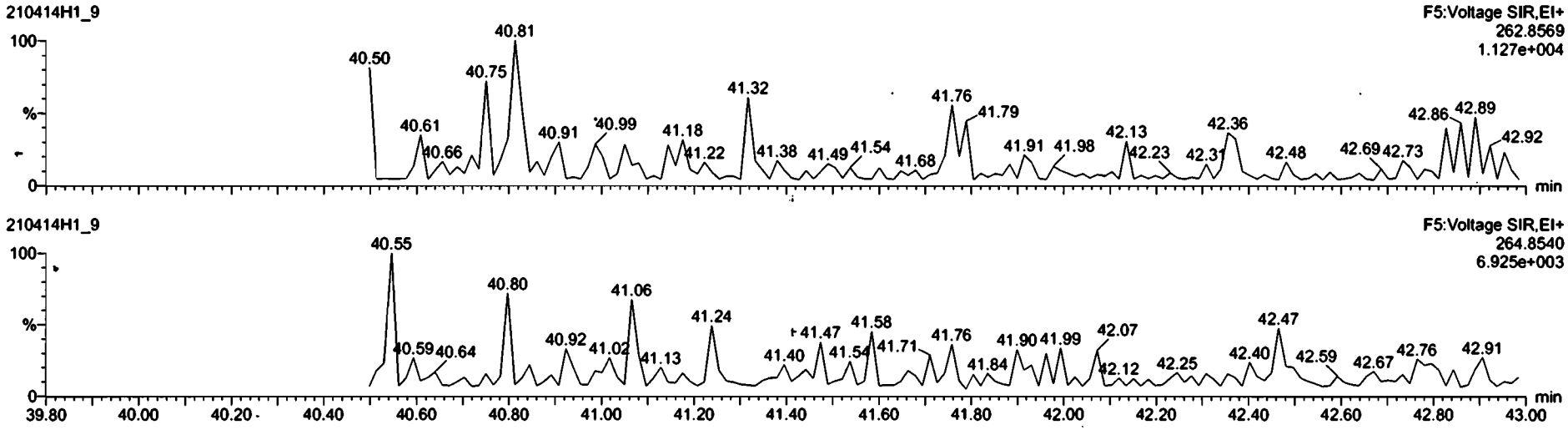
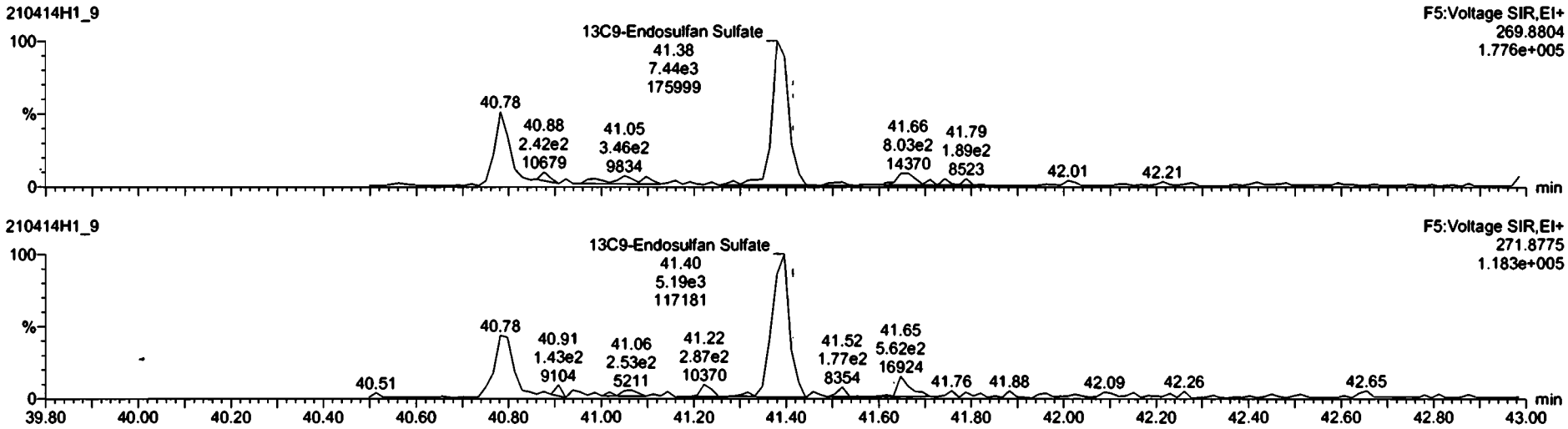
Name: 210414H1_9, Date: 14-Apr-2021, Time: 16:16:56, ID: 2103216-15RE1 USMPDI-066RAB-00-10-210315 1.3, Description: USMPDI-066RAB-00-10-210315

Endosulfan Sulfate



13C9-Endosulfan Sulfate



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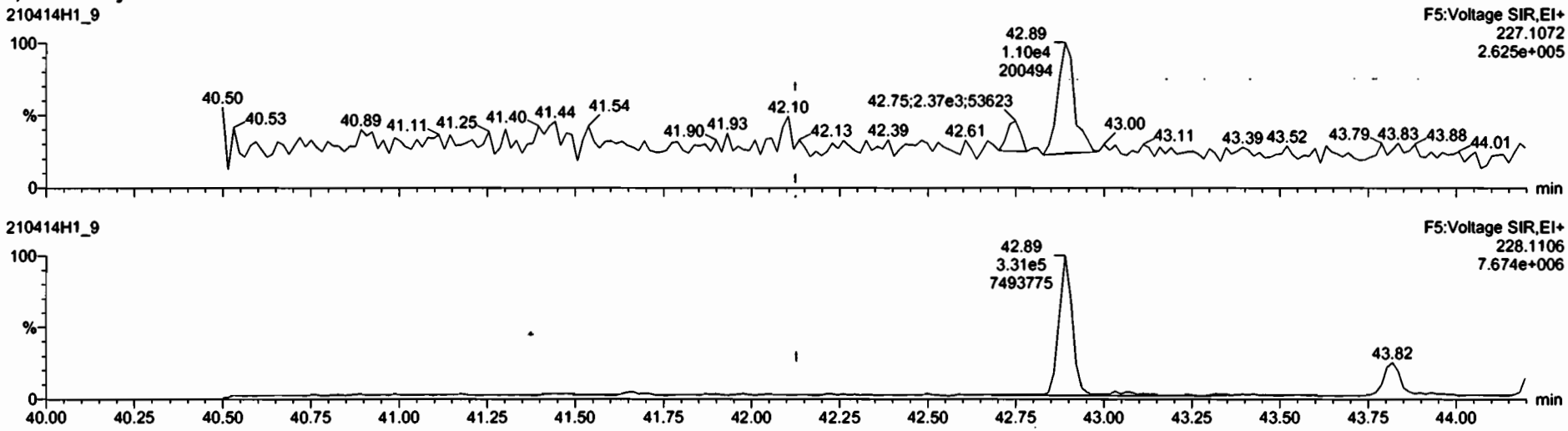
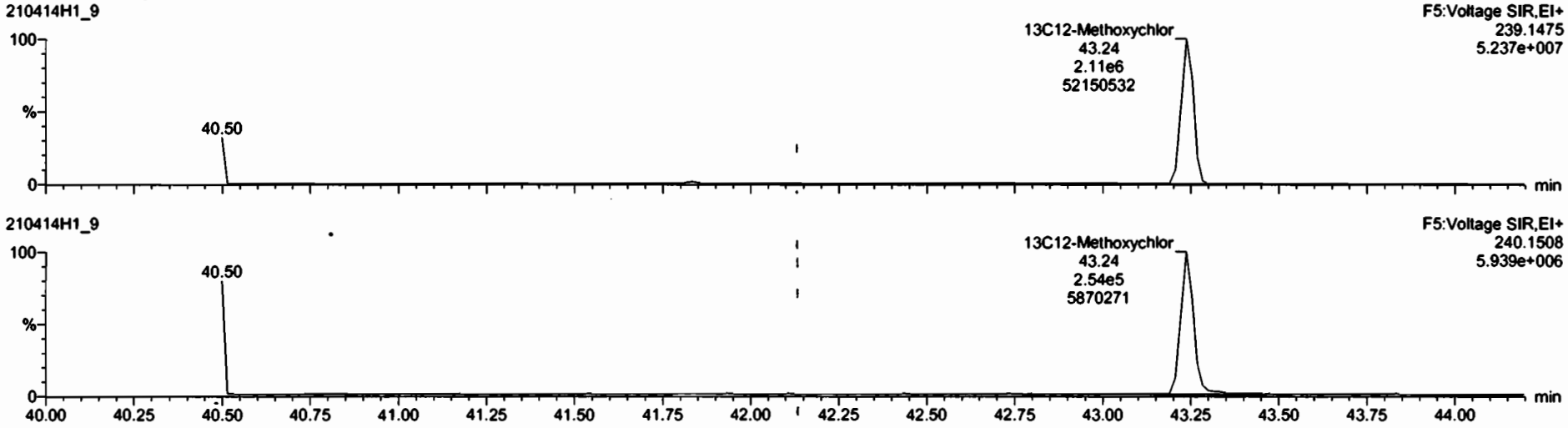
4,4'-Methoxychlor



13C12-Methoxychlor



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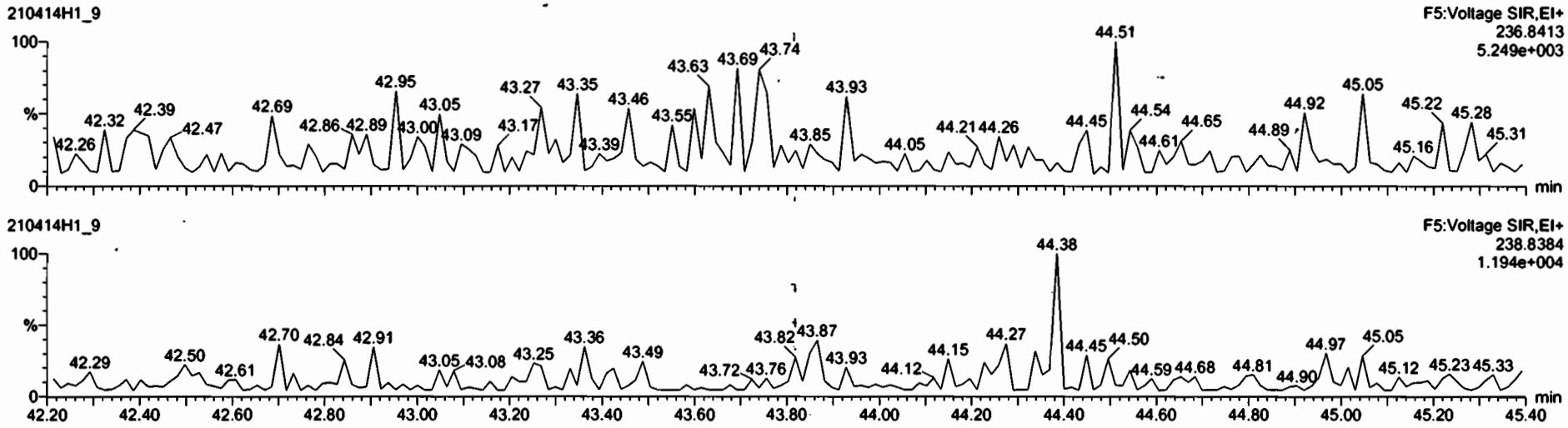
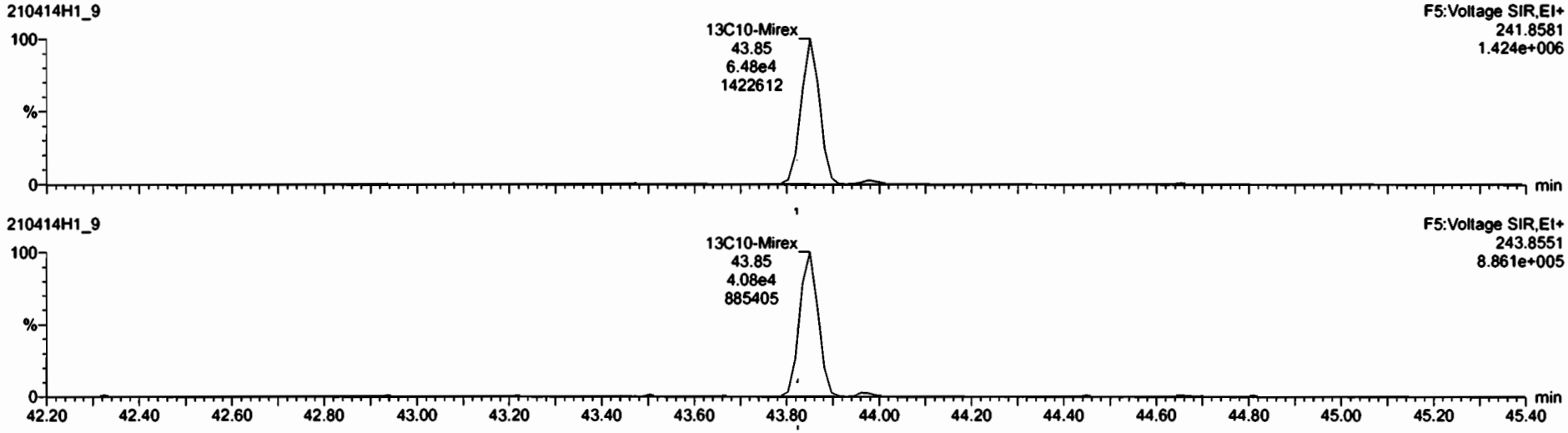
Mirex



13C10-Mirex



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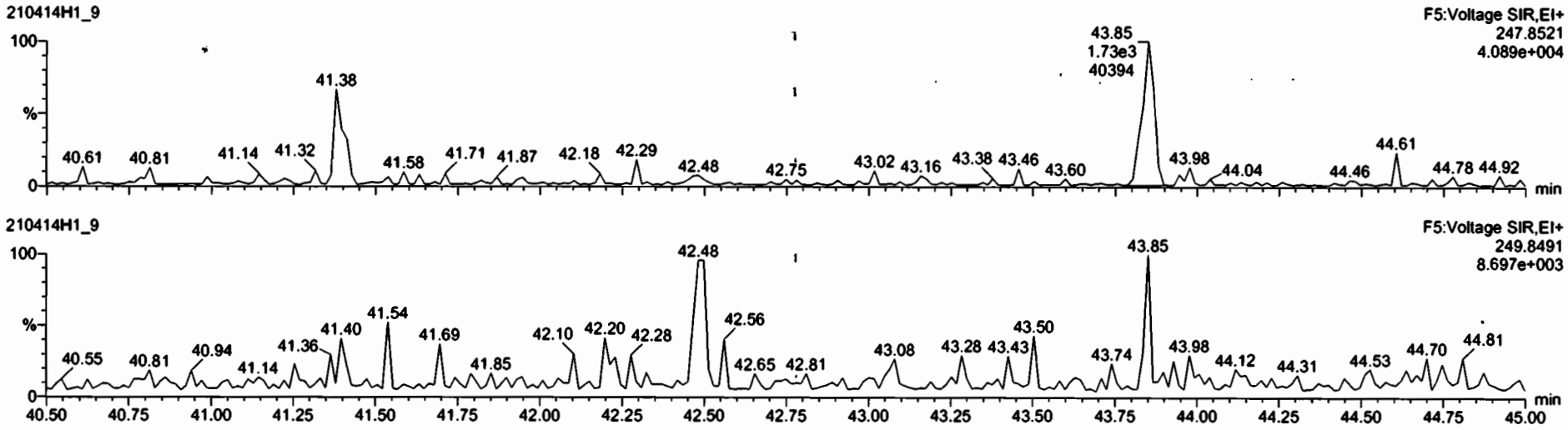
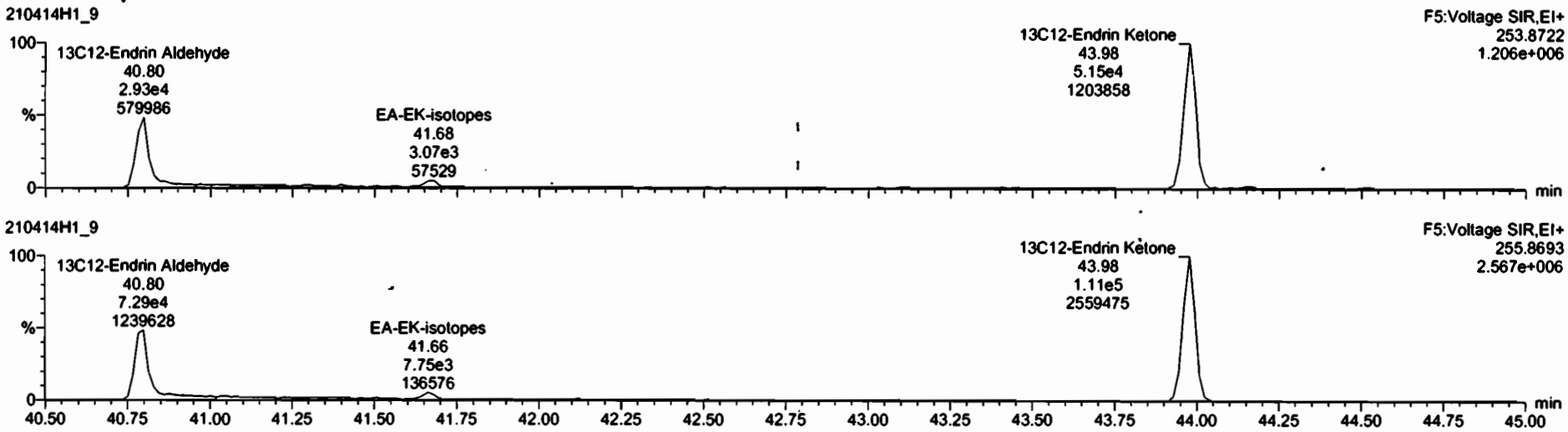
EA-EK



EA-EK-isotopes



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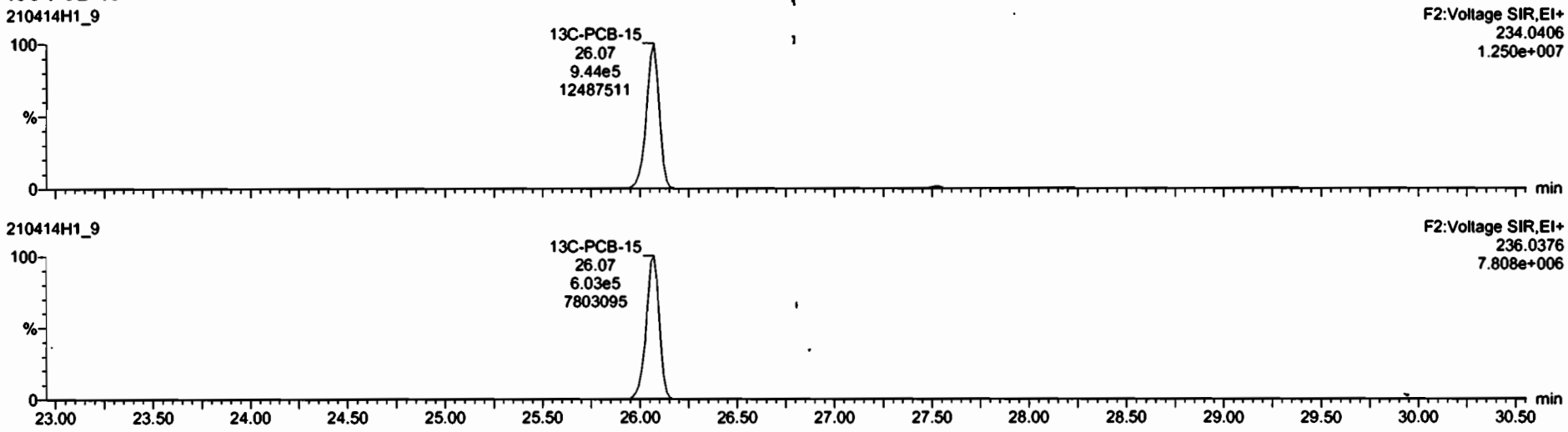
13C-PCB-15



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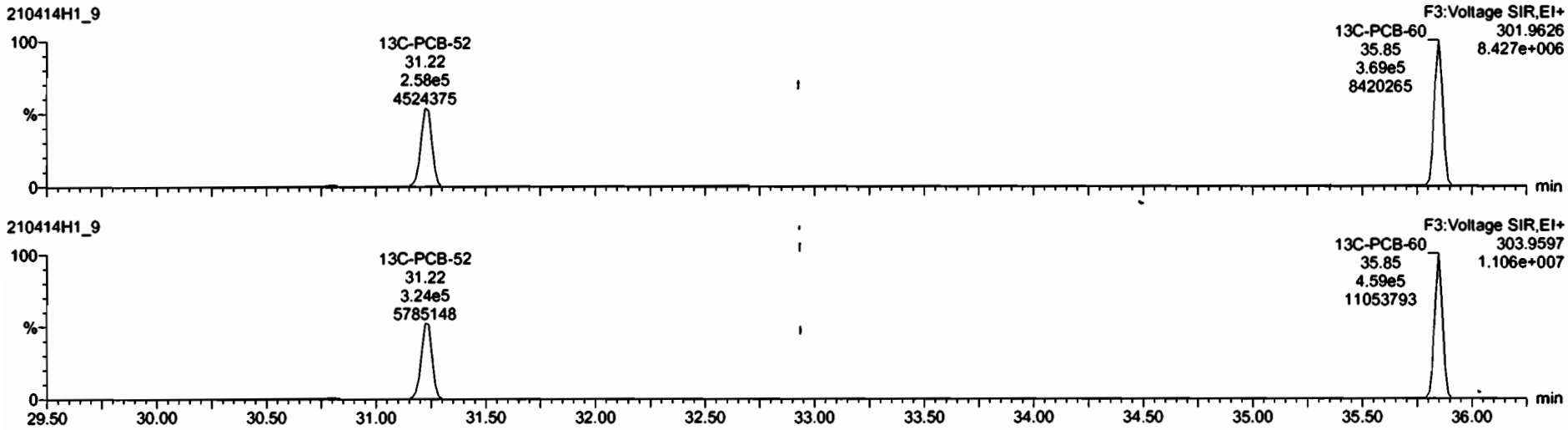

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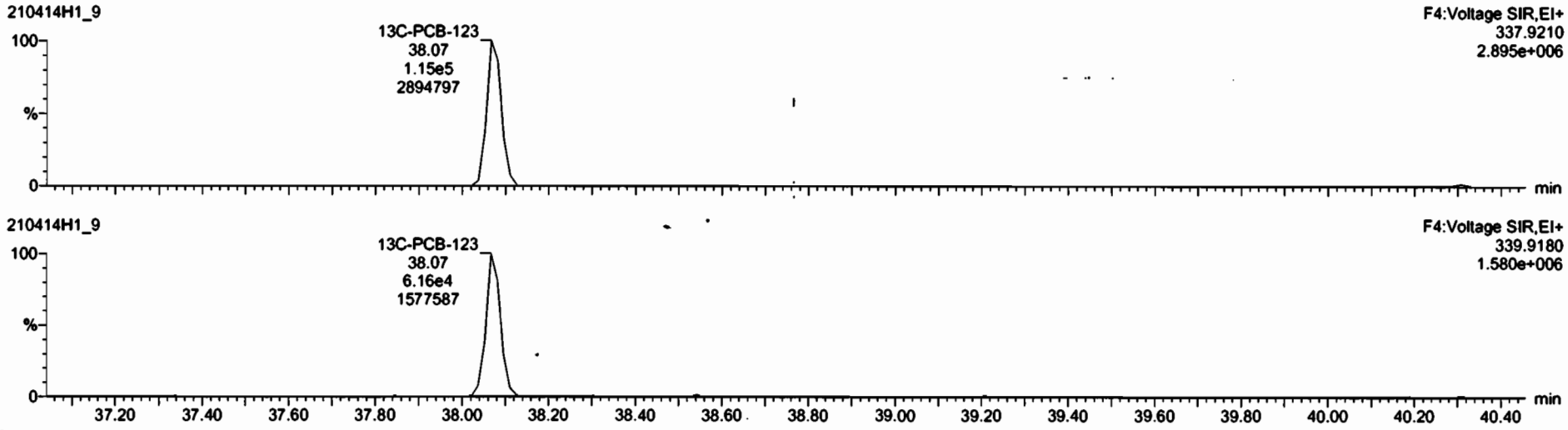

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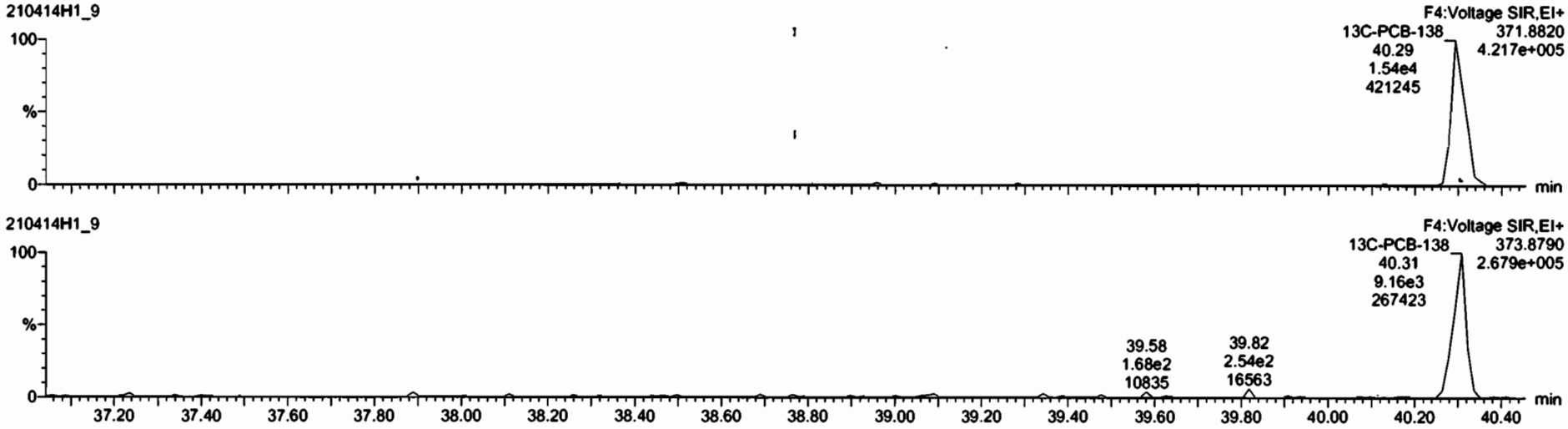

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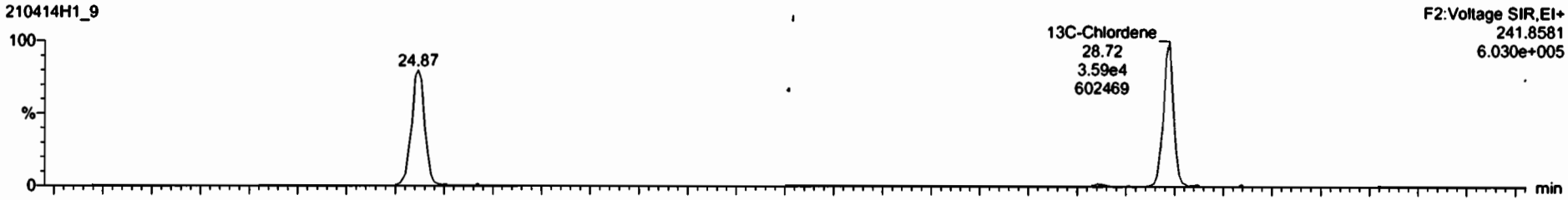
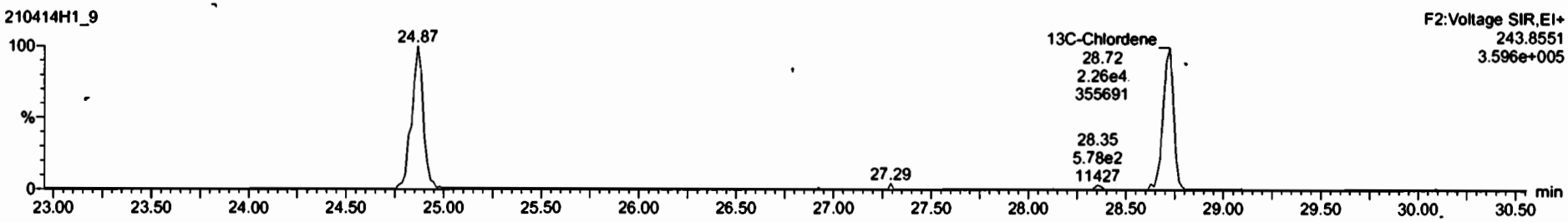
13C-Chlordene





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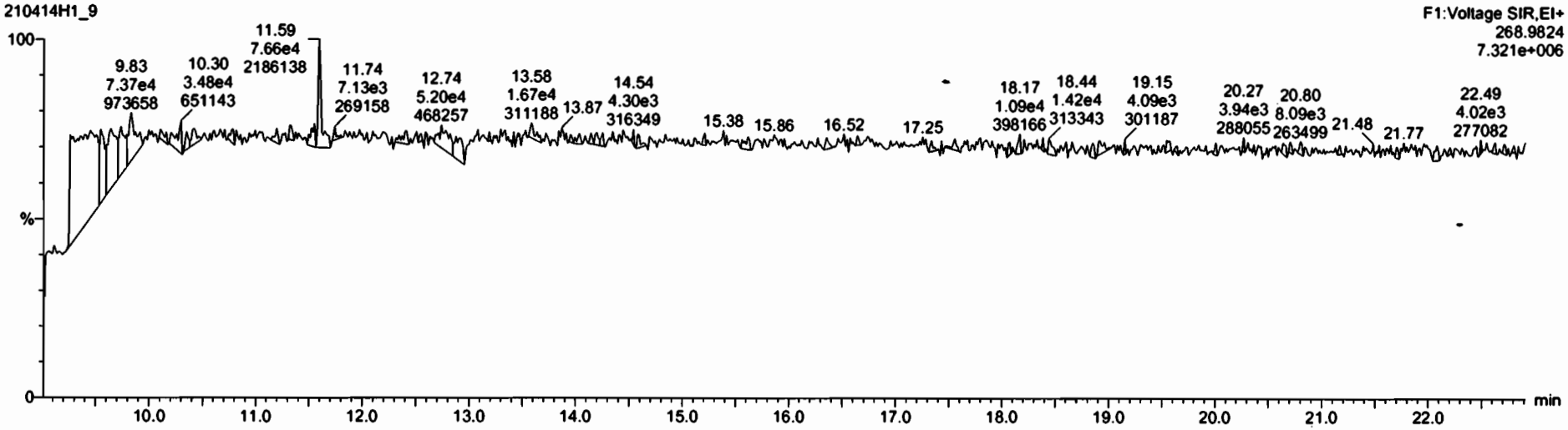

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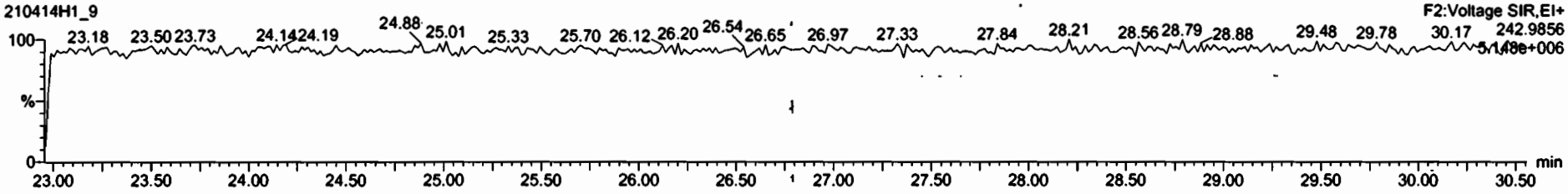
PFK2



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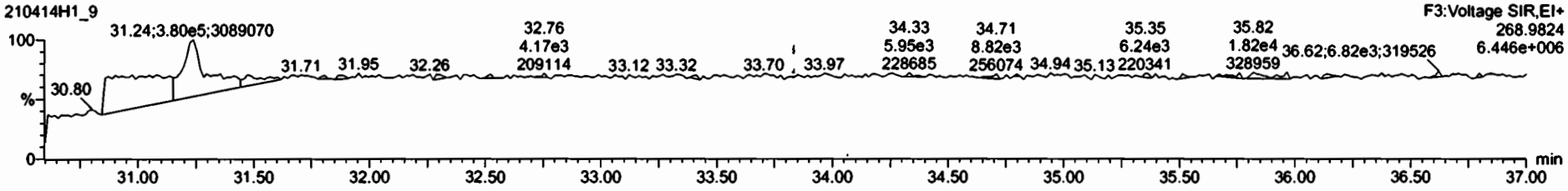

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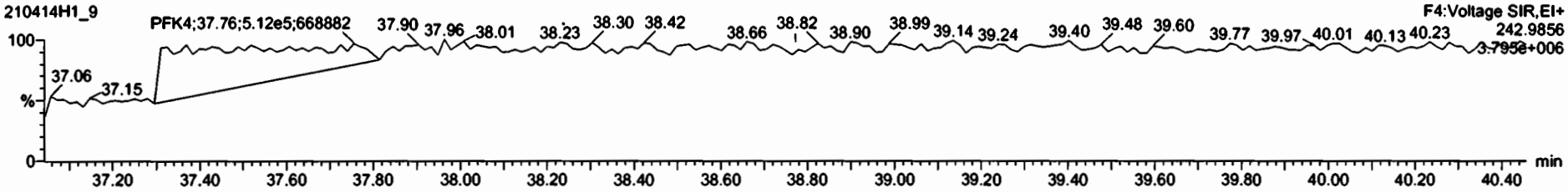

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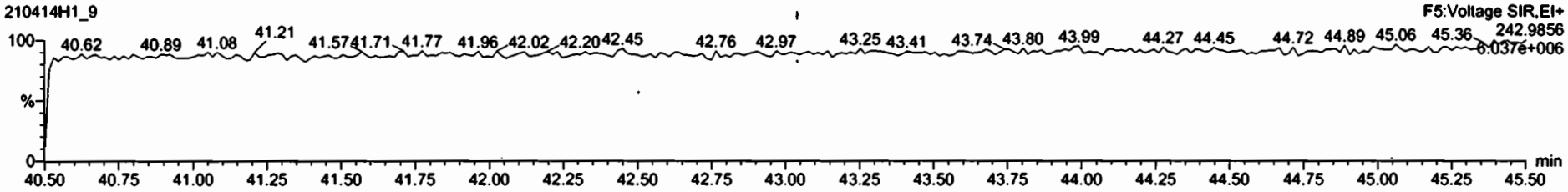

Vista Analytical Laboratory

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Last Altered: Monday, April 19, 2021 11:15:10 Pacific Daylight Time
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DF 04/19/21

CTVS/28/2021

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210415H1_9, Date: 15-Apr-2021, Time: 16:05:43, ID: 2103216-16RE1 USMPDI-066RAB-10-20-210315 1.45, Description: USMPDI-066RAB-10-20-210315, Task: ST210415H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	4	Lindane (gamma-...		4.12e5		NO	0.860	1.111			1.000	YES			1.51	
2	9	Aldrin	2.12e2	3.26e5	3.78	YES	1.09	1.111	30.79	1.000	1.001	NO	0.53768		0.516	0.288
3	10	Oxychlordane		8.92e4		NO	1.06	1.111			1.001	YES			1.75	
4	13	trans-Chlordane (g...	2.91e2	7.06e4	1.59	NO	1.14	1.111	35.05	1.000	1.001	NO	3.2621		1.97	3.26
5	14	trans-Nonachlor		7.77e4		NO	1.06	1.111			1.000	YES			1.88	
6	15	cis-Chlordane		7.77e4		NO	1.16	1.111			1.016	YES			1.71	
7	18	2,4'-DDE		2.17e6		NO	1.02	1.111			1.000	YES			0.579	
8	19	4,4'-DDE	8.64e3	1.49e6	0.86	YES	1.04	1.111	36.75	1.000	1.000	NO	5.0227		0.812	3.81
9	20	Dieldrin	5.68e2	1.90e5	1.88	NO	1.03	1.111	37.27	1.000	1.001	NO	2.6134		0.721	2.61
10	22	cis-Nonachlor		8.34e4		NO	1.00	1.111			1.000	YES			1.57	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_9.qld

Last Altered: Monday, April 19, 2021 11:15:10 Pacific Daylight Time
Printed: Monday, April 19, 2021 11:19:07 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210415H1_9, Date: 15-Apr-2021, Time: 16:05:43, ID: 2103216-16RE1 USMPDI-066RAB-10-20-210315 1.45, Description: USMPDI-066RAB-10-20-210315, Task: ST210415H1_1

	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	24 2,4'-DDD		1.66e6	0.00	YES	1.07	1.111			1.000	NO			1.16	
2	25 2,4'-DDT		7.95e5		NO	1.05	1.111			1.000	YES			2.60	
3	26 4,4'-DDD		1.15e6	0.00	YES	1.16	1.111			1.000	NO			1.42	
4	27 4,4'-DDT		5.31e5		NO	1.13	1.111			1.001	YES			3.35	
5	36 13C6-Lindane (ga...	4.12e5	2.63e6	0.77	NO	0.194	1.111	26.55	1.019	1.019	NO	729.05	81.0	1.78	
6	40 13C12-Aldrin	3.26e5	2.63e6	1.59	NO	0.154	1.111	30.79	1.182	1.181	NO	724.43	80.5	1.11	
7	41 13C10-Oxychlorda...	8.92e4	2.63e6	1.52	NO	0.0404	1.111	33.34	1.280	1.280	NO	756.60	84.1	4.23	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_9.qld

Last Altered: Monday, April 19, 2021 11:15:10 Pacific Daylight Time
Printed: Monday, April 19, 2021 11:19:24 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210415H1_9, Date: 15-Apr-2021, Time: 16:05:43, ID: 2103216-16RE1 USMPDI-066RAB-10-20-210315 1.45, Description: USMPDI-066RAB-10-20-210315, Task: ST210415H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	43	13C10-trans-Chlor...	7.06e4	2.63e6	1.58	NO	0.0358	1.111	35.03	1.344	1.344	NO	675.31	75.1	4.78	
2	44	13C10-trans-Nona...	7.77e4	1.44e6	1.57	NO	0.0638	1.111	35.21	0.983	0.983	NO	761.30	84.6	2.77	
3	46	13C12-2,4'-DDE	2.17e6	1.44e6	1.60	NO	1.43	1.111	35.67	0.996	0.995	NO	943.79	105	0.645	
4	47	13C12-4,4'-DDE	1.49e6	1.44e6	1.59	NO	0.995	1.111	36.74	1.025	1.026	NO	936.93	104	0.930	
5	48	13C12-Dieldrin	1.90e5	1.44e6	1.58	NO	0.146	1.111	37.25	1.040	1.040	NO	811.96	90.2	1.89	
6	50	13C10-cis-Nonach...	8.34e4	1.44e6	1.66	NO	0.0791	1.111	38.93	1.086	1.087	NO	658.41	73.2	3.50	
7	52	13C12-2,4'-DDD	1.66e6	1.44e6	1.55	NO	1.35	1.111	37.87	1.057	1.057	NO	768.46	85.4	1.84	
8	53	13C12-2,4'-DDT	7.95e5	1.44e6	1.57	NO	0.962	1.111	39.00	1.088	1.089	NO	516.43	57.4	2.58	
9	54	13C12-4,4'-DDD	1.15e6	1.44e6	1.59	NO	1.12	1.111	39.12	1.092	1.092	NO	641.46	71.3	2.21	
10	55	13C12-4,4'-DDT	5.31e5	1.44e6	1.58	NO	0.735	1.111	40.19	1.122	1.122	NO	451.74	50.2	3.38	
11	62	13C-PCB-15	2.63e6	2.63e6	1.56	NO	1.00	1.111	26.06	1.000	1.000	NO	899.75	100	0.326	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_9.qld

Last Altered: Monday, April 19, 2021 11:15:10 Pacific Daylight Time
Printed: Monday, April 19, 2021 11:19:52 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210415H1_9, Date: 15-Apr-2021, Time: 16:05:43, ID: 2103216-16RE1 USMPDI-066RAB-10-20-210315 1.45, Description: USMPDI-066RAB-10-20-210315, Task: ST210415H1_1

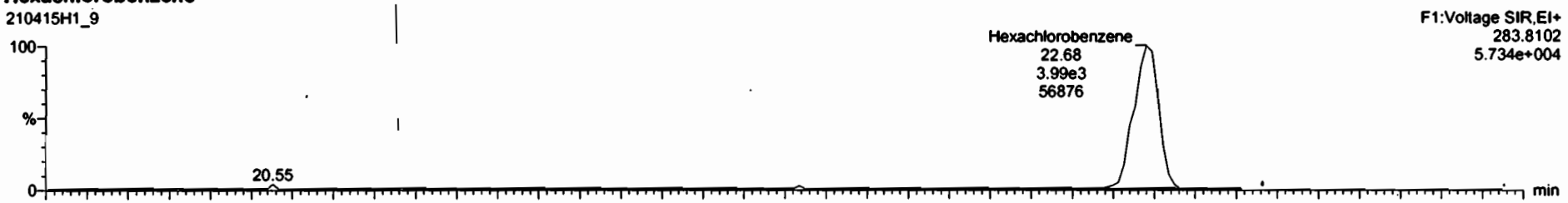
	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	63 13C-PCB-60	1.44e6	1.44e6	0.83	NO	1.00	1.111	35.83	1.000	1.000	NO	899.75	100	0.644	

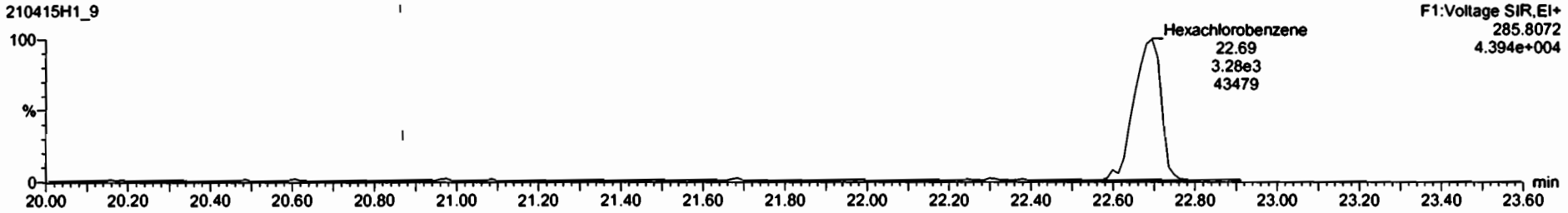
Dataset: Untitled

Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

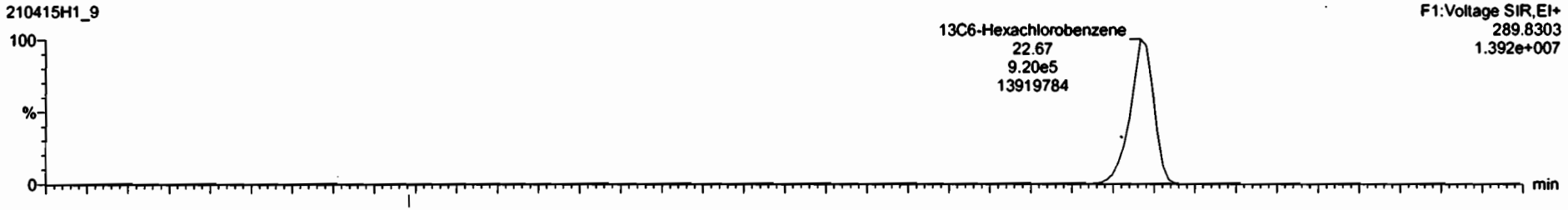
Name: 210415H1_9, Date: 15-Apr-2021, Time: 16:05:43, ID: 2103216-16RE1 USMPDI-066RAB-10-20-210315 1.45, Description: USMPDI-066RAB-10-20-210315

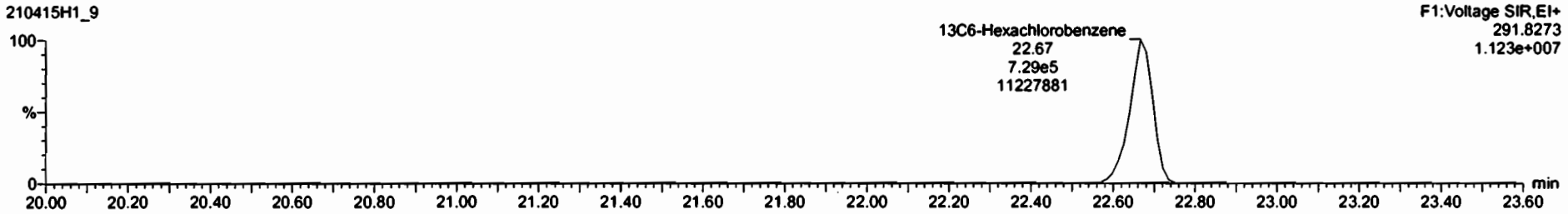
Hexachlorobenzene





13C6-Hexachlorobenzene





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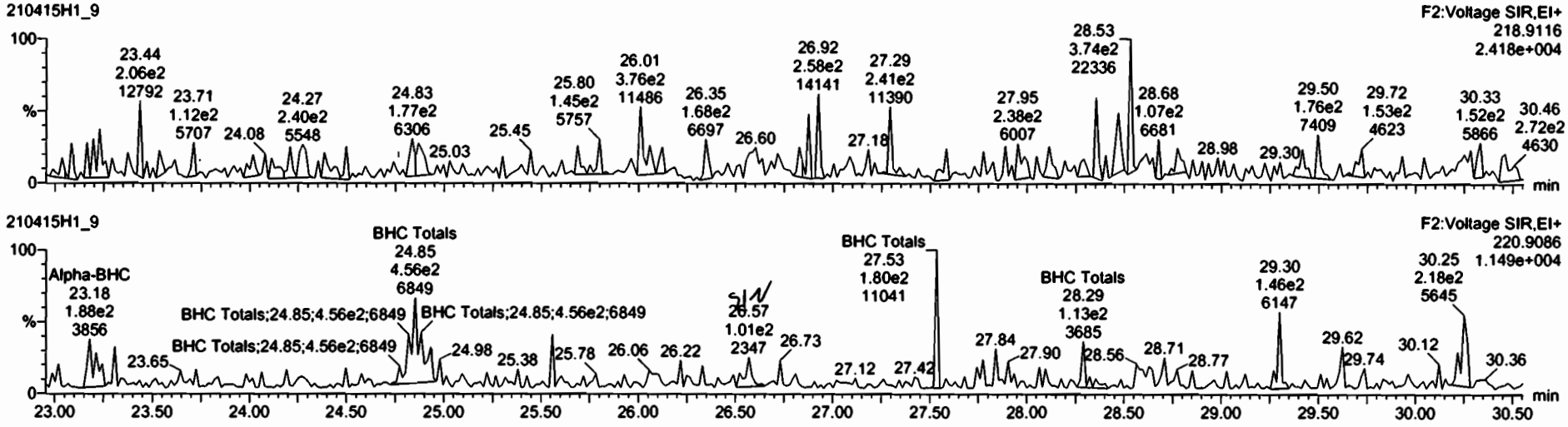
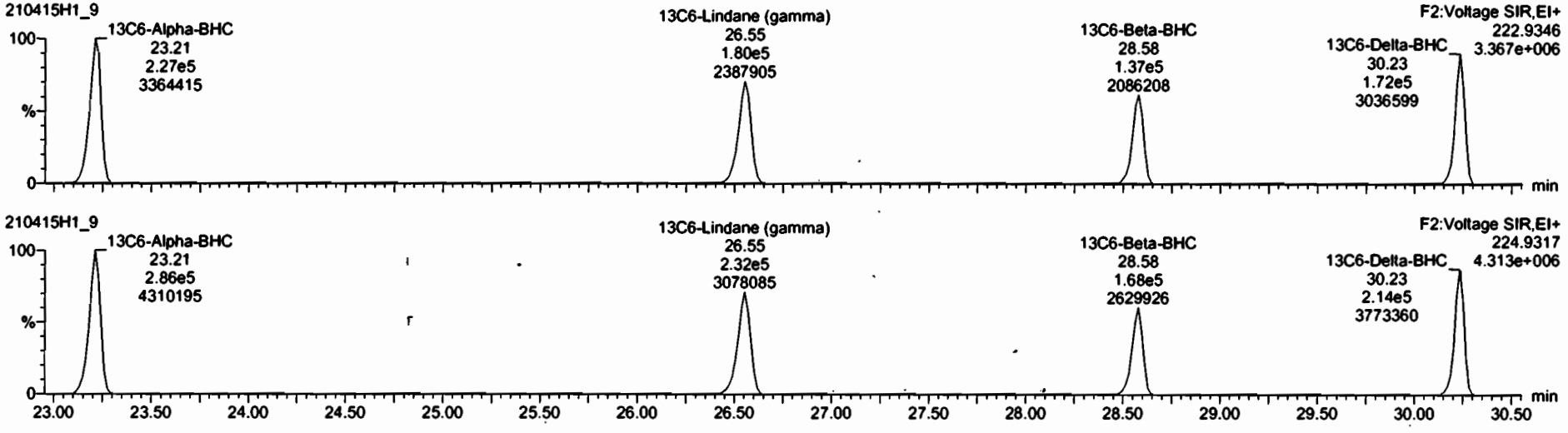
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_9, Date: 15-Apr-2021, Time: 16:05:43, ID: 2103216-16RE1 USMPDI-066RAB-10-20-210315 1.45, Description: USMPDI-066RAB-10-20-210315

BHC Totals



BHC-isotopes



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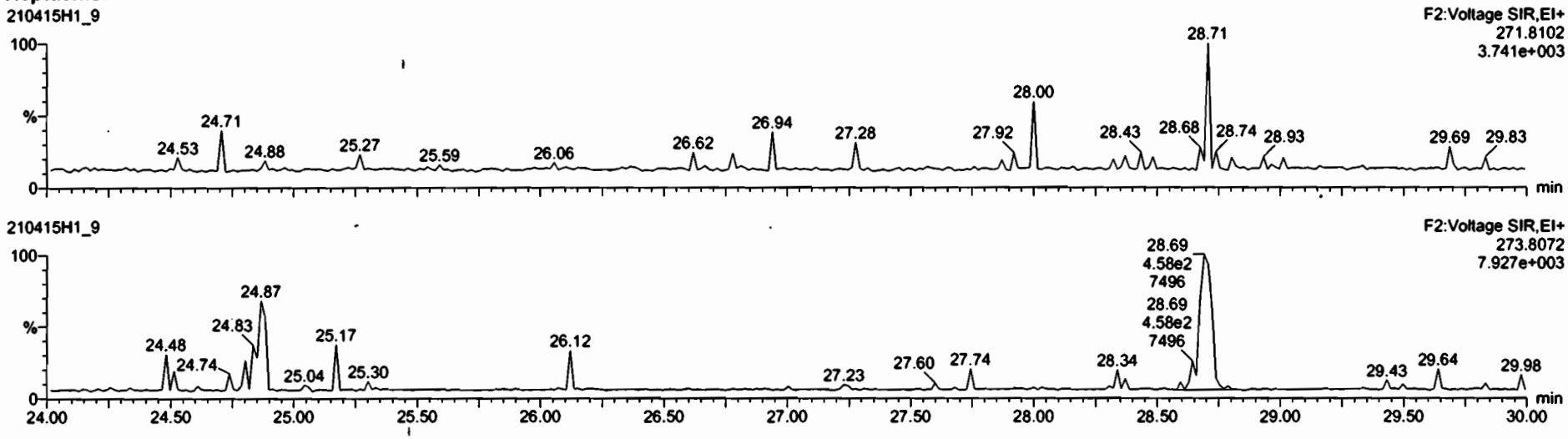
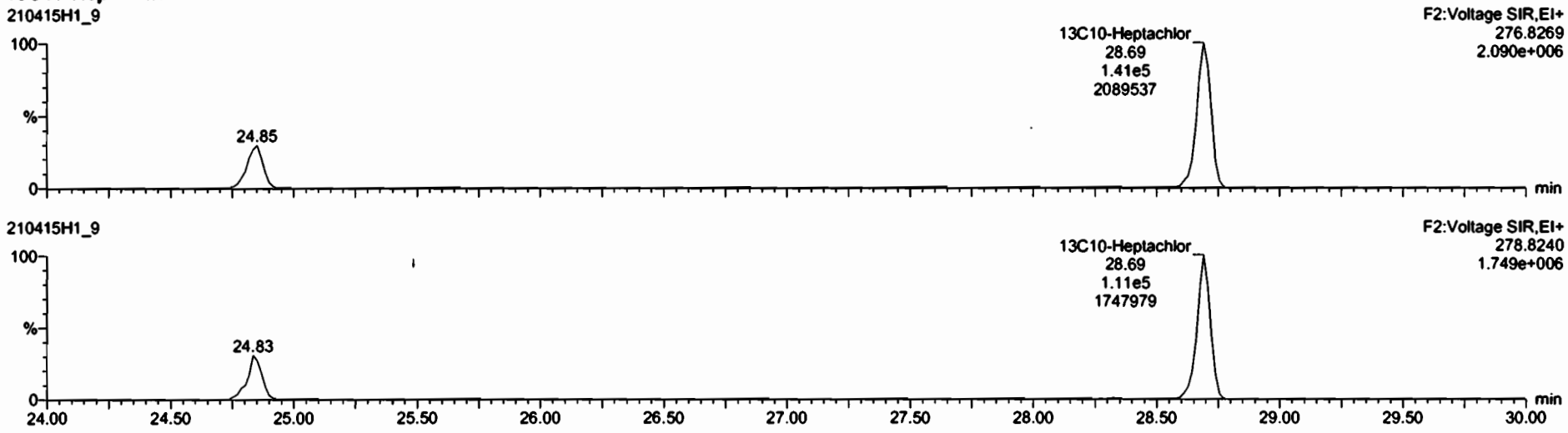
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_9, Date: 15-Apr-2021, Time: 16:05:43, ID: 2103216-16RE1 USMPDI-066RAB-10-20-210315 1.45, Description: USMPDI-066RAB-10-20-210315

Heptachlor



13C10-Heptachlor



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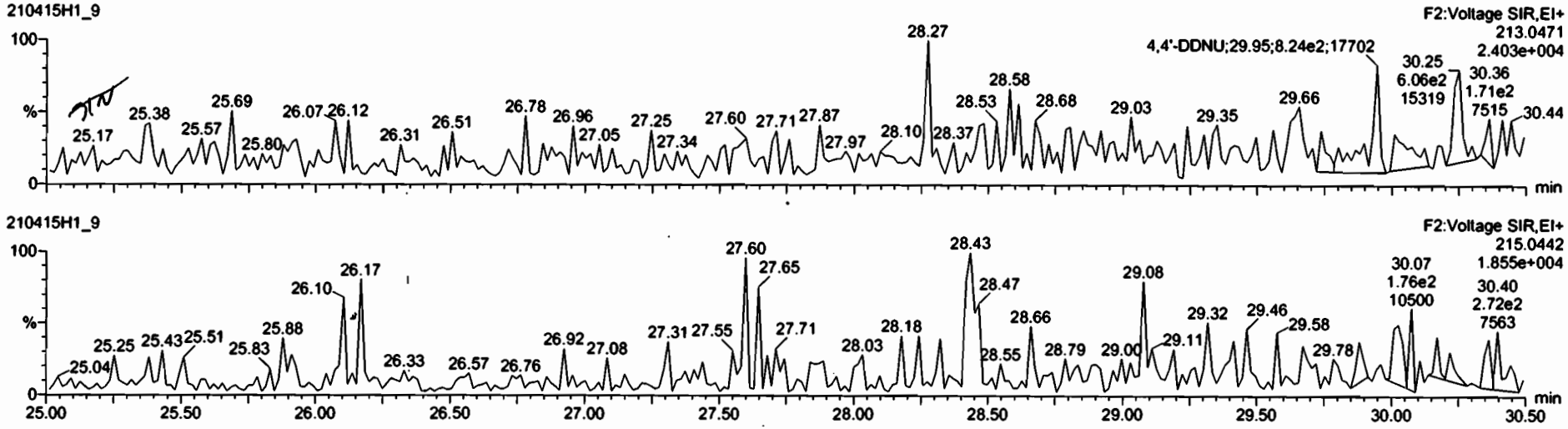
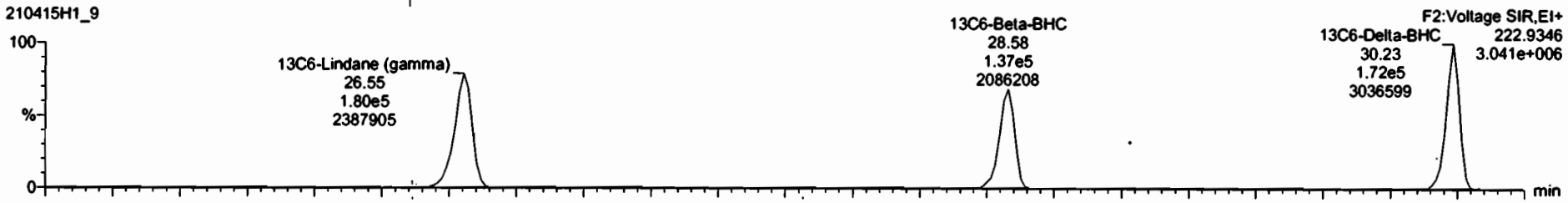
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

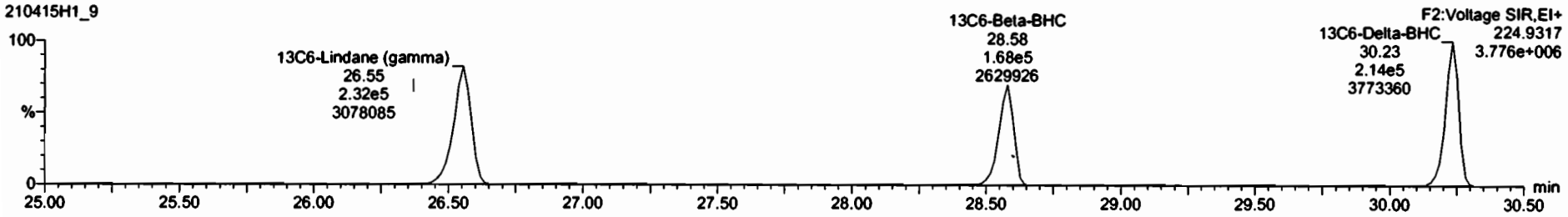
Name: 210415H1_9, Date: 15-Apr-2021, Time: 16:05:43, ID: 2103216-16RE1 USMPDI-066RAB-10-20-210315 1.45, Description: USMPDI-066RAB-10-20-210315

4,4'-DDNU



13C6-Delta-BHC





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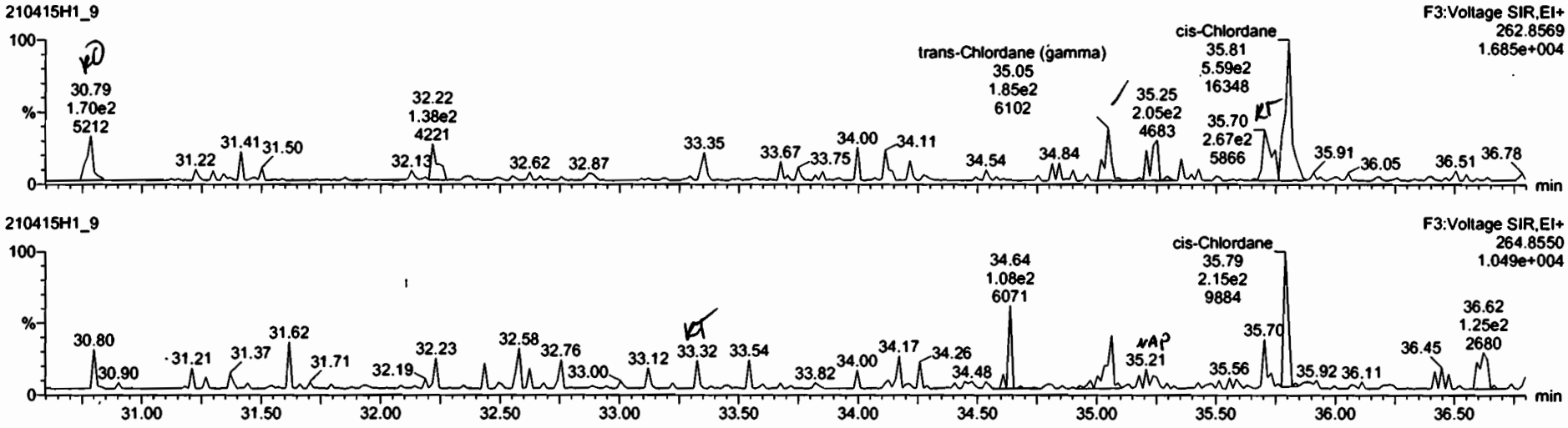
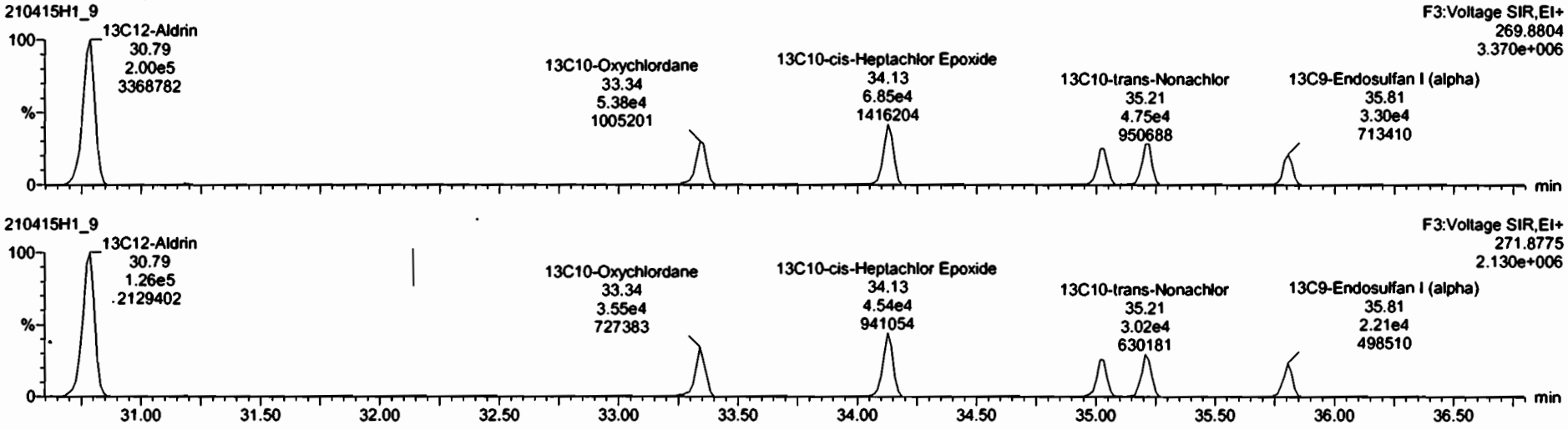
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_9, Date: 15-Apr-2021, Time: 16:05:43, ID: 2103216-16RE1 USMPDI-066RAB-10-20-210315 1.45, Description: USMPDI-066RAB-10-20-210315

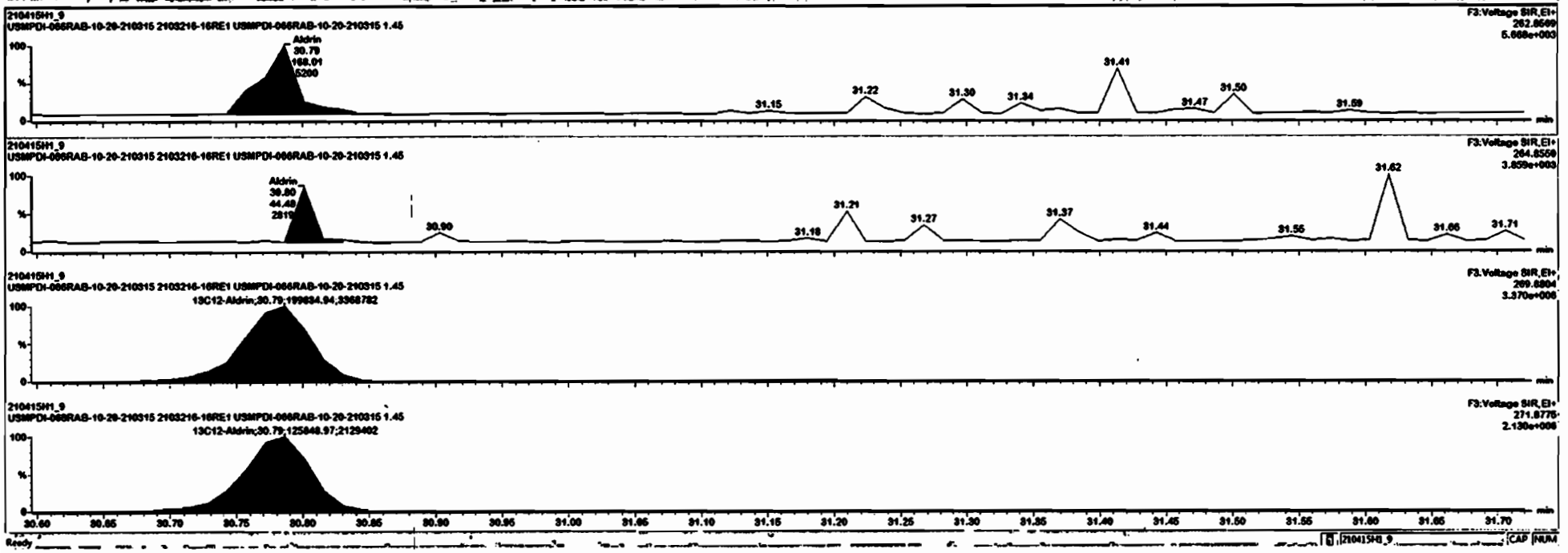
Aldrin-EI

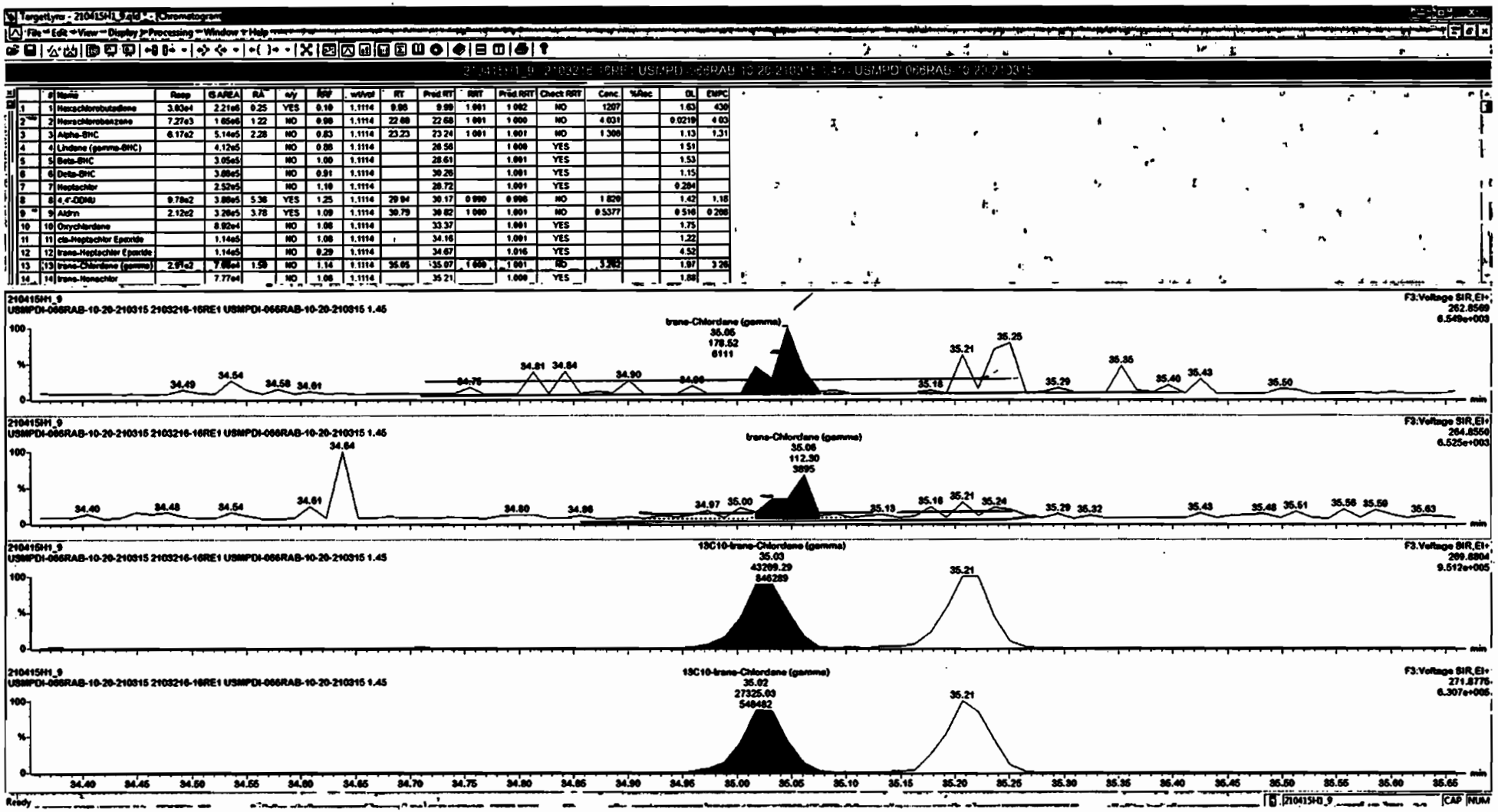


Aldrin-EI-isotopes



	#	Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
1	1	Hexachlorobutadiene	3.03e4	2.21e6	0.25	YES	0.10	1.1114	9.98	9.99	1.001	1.002	NO	1207		1.63	430
2	2	Hexachlorobenzene	7.27e3	1.65e6	1.22	NO	0.98	1.1114	22.68	22.68	1.001	1.000	NO	4.031		0.0219	4.03
3	3	Alpha-BHC	6.17e2	5.14e5	2.28	NO	0.83	1.1114	23.23	23.24	1.001	1.001	NO	1.306		1.13	1.31
4	4	Lindane (gamma-BHC)		4.12e5		NO	0.86	1.1114		26.56		1.000	YES			1.51	
5	5	Beta-BHC		3.05e5		NO	1.00	1.1114		28.61		1.001	YES			1.53	
6	6	Delta-BHC		3.88e5		NO	0.91	1.1114		30.26		1.001	YES			1.15	
7	7	Heptachlor		2.52e5		NO	1.10	1.1114		28.72		1.001	YES			0.284	
8	8	4,4'-DDNU	9.78e2	3.86e5	5.36	YES	1.25	1.1114	29.94	30.17	0.990	0.988	NO	1.820		1.42	1.18
9	9	Aldrin	2.12e2	3.28e5	3.78	YES	1.09	1.1114	30.79	30.82	1.000	1.001	NO	0.5377		0.516	0.288
10	10	Oxychlordane		8.92e4		NO	1.08	1.1114		33.37		1.001	YES			1.75	
11	11	cis-Heptachlor Epoxide		1.14e5		NO	1.08	1.1114		34.16		1.001	YES			1.22	
12	12	trans-Heptachlor Epoxide		1.14e5		NO	0.29	1.1114		34.67		1.016	YES			4.52	
13	13	trans-Chlordane (gamma)	3.39e2	7.06e4	1.21	NO	1.14	1.1114	35.05	35.07	1.000	1.001	NO	3.800		1.07	3.80
14	14	trans-Nonachlor		7.77e4		NO	1.08	1.1114		35.21		1.000	YES			1.88	



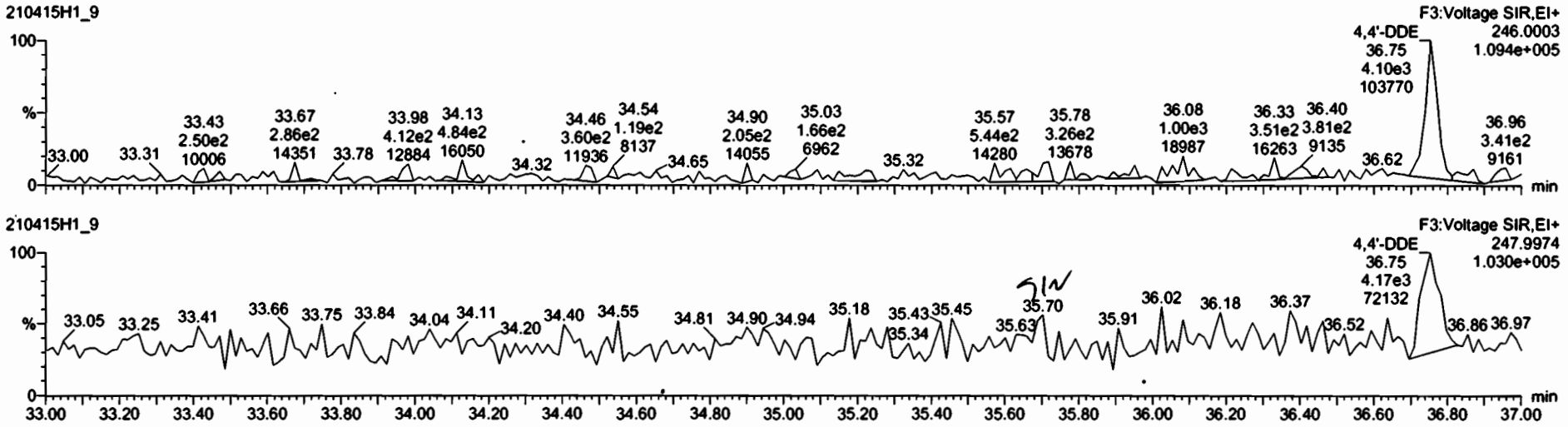

TargetLynx - 210415H1_9.qld - Chromatogram
File Edit View Display Processing Window Help
Name Resp IS AREA RA e/y RRF wt/vol RT Pred RT RRT Pred RRT Check RRT Conc %Rec DL EMPC
1 Hexachlorobutadiene 3.60e4 2.21e6 0.25 YES 0.10 1.1114 9.98 9.99 1.001 1.002 NO 1207 1.63 439
2 Hexachlorobenzene 7.27e3 1.65e6 1.22 NO 0.98 1.1114 22.68 22.68 1.001 1.000 NO 4.031 0.0219 4.03
3 Alpha-BHC 6.17e2 5.14e5 2.28 NO 0.83 1.1114 23.23 23.24 1.001 1.001 NO 1.309 1.13 1.31
4 Lindane (gamma-BHC) 4.12e5 NO 0.88 1.1114 26.56 1.000 YES 1.51
5 Beta-BHC 3.05e5 NO 1.00 1.1114 26.61 1.001 YES 1.53
6 Delta-BHC 3.88e5 NO 0.91 1.1114 30.26 1.001 YES 1.15
7 Heptachlor 2.52e5 NO 1.10 1.1114 28.72 1.001 YES 0.284
8 4,4'-DDMU 9.78e2 3.88e5 5.38 YES 1.25 1.1114 29.94 30.17 0.990 0.998 NO 1.829 1.42 1.16
9 Aldrin 2.12e2 3.29e5 3.78 YES 1.09 1.1114 30.79 30.82 1.000 1.001 NO 0.5377 0.516 0.208
10 Oxychlordane 8.92e4 NO 1.06 1.1114 33.37 1.001 YES 1.75
11 cis-Heptachlor Epoxide 1.14e5 NO 1.06 1.1114 34.16 1.001 YES 1.22
12 trans-Heptachlor Epoxide 1.14e5 NO 0.29 1.1114 34.67 1.016 YES 4.52
13 trans-Chlordane (gamma) 2.91e2 7.88e4 1.59 NO 1.14 1.1114 35.05 35.07 1.000 1.001 NO 3.262 1.97 3.26
14 trans-Nonachlor 7.77e4 NO 1.06 1.1114 35.21 1.000 YES 1.88
210415H1_9
USMPDI-066RAB-10-20-210315 2103216-16RE1 USMPDI-066RAB-10-20-210315 1.45
F3:Voltage SIR,EI+
262.8569
6.549e+003
trans-Chlordane (gamma)
35.05
178.52
6111
34.49 34.54 34.58 34.61 34.75 34.81 34.84 34.90 35.00 35.18 35.21 35.25 35.29 35.35 35.40 35.43 35.50
210415H1_9
USMPDI-066RAB-10-20-210315 2103216-16RE1 USMPDI-066RAB-10-20-210315 1.45
F3:Voltage SIR,EI+
264.8550
6.525e+003
trans-Chlordane (gamma)
35.06
112.50
3895
34.40 34.48 34.54 34.61 34.64 34.80 34.86 34.97 35.00 35.13 35.16 35.21 35.24 35.29 35.32 35.43 35.48 35.51 35.56 35.59 35.63
210415H1_9
USMPDI-066RAB-10-20-210315 2103216-16RE1 USMPDI-066RAB-10-20-210315 1.45
F3:Voltage SIR,EI+
269.8804
9.512e+005
13C10-trans-Chlordane (gamma)
35.03
43209.29
846289
35.21
210415H1_9
USMPDI-066RAB-10-20-210315 2103216-16RE1 USMPDI-066RAB-10-20-210315 1.45
F3:Voltage SIR,EI+
271.8775
6.307e+005
13C10-trans-Chlordane (gamma)
35.02
27325.03
548492
35.21
34.40 34.45 34.50 34.55 34.60 34.65 34.70 34.75 34.80 34.85 34.90 34.95 35.00 35.05 35.10 35.15 35.20 35.25 35.30 35.35 35.40 35.45 35.50 35.55 35.60 35.65
Ready
210415H1_9
CAP NUM

Dataset: Untitled

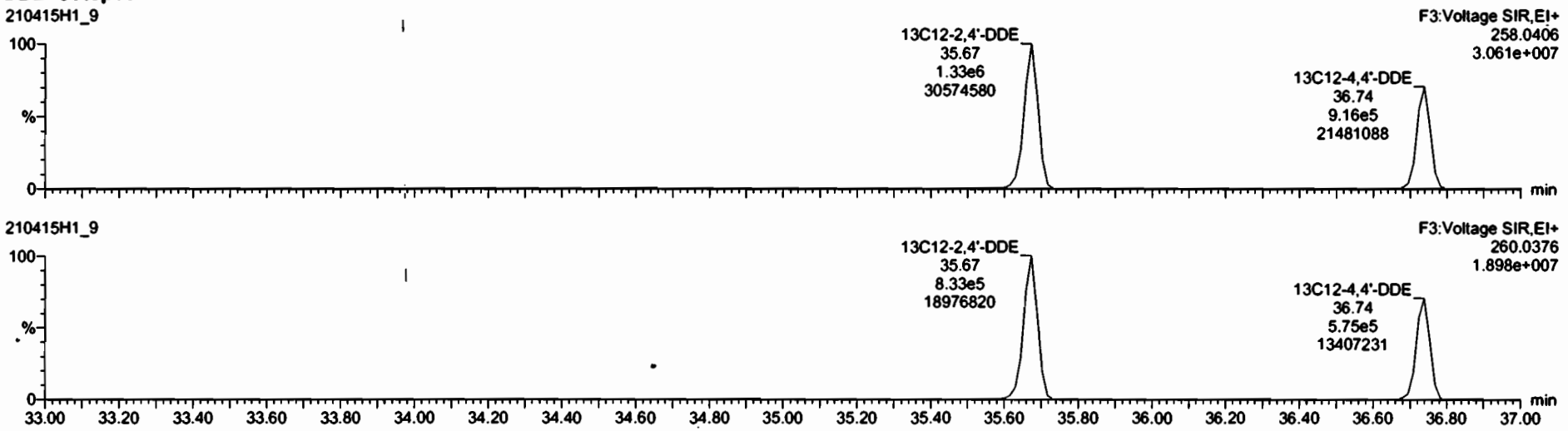
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

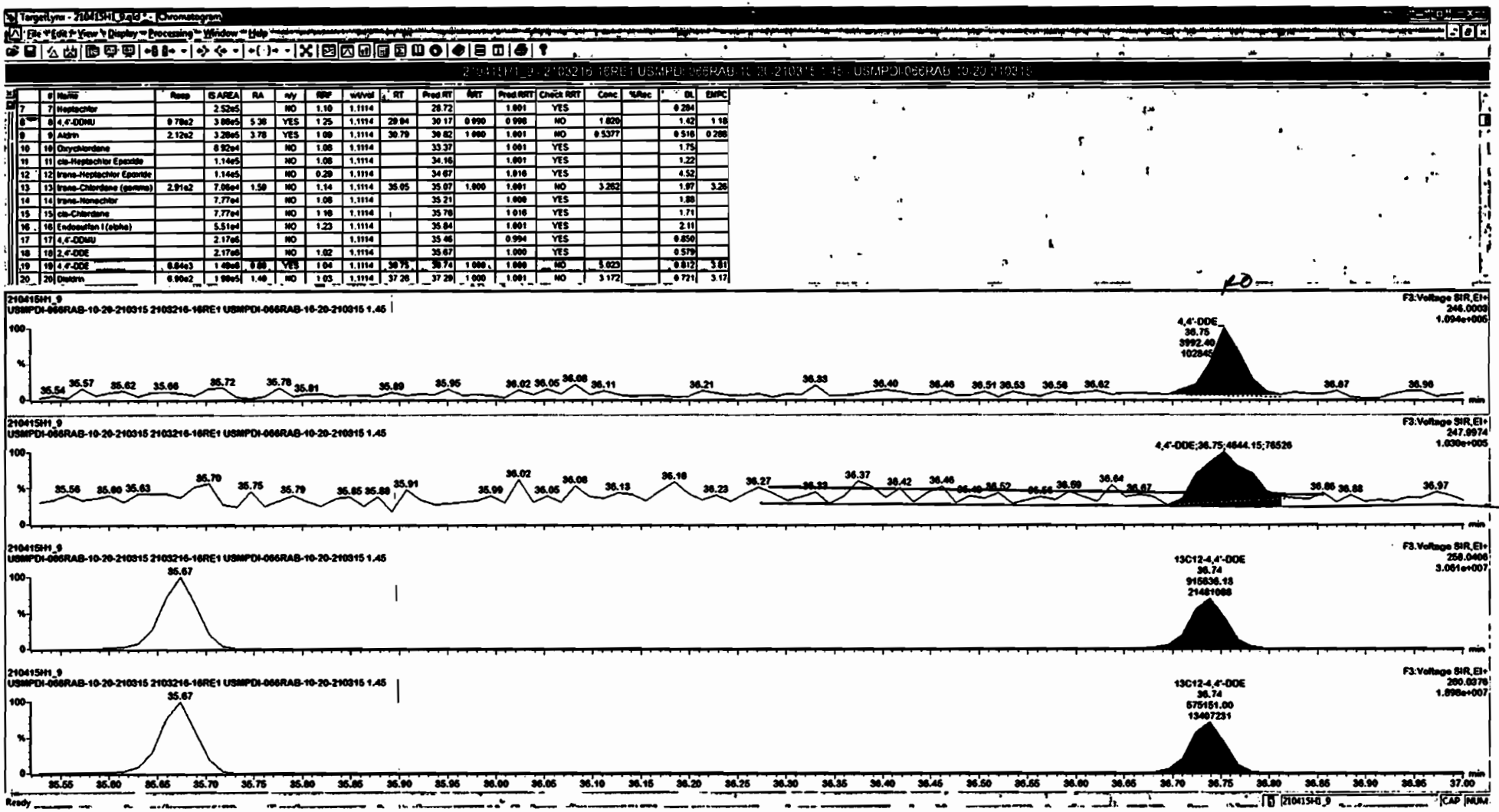
Name: 210415H1_9, Date: 15-Apr-2021, Time: 16:05:43, ID: 2103216-16RE1 USMPDI-066RAB-10-20-210315 1.45, Description: USMPDI-066RAB-10-20-210315

DDMU-DDE



DDE-isotopes





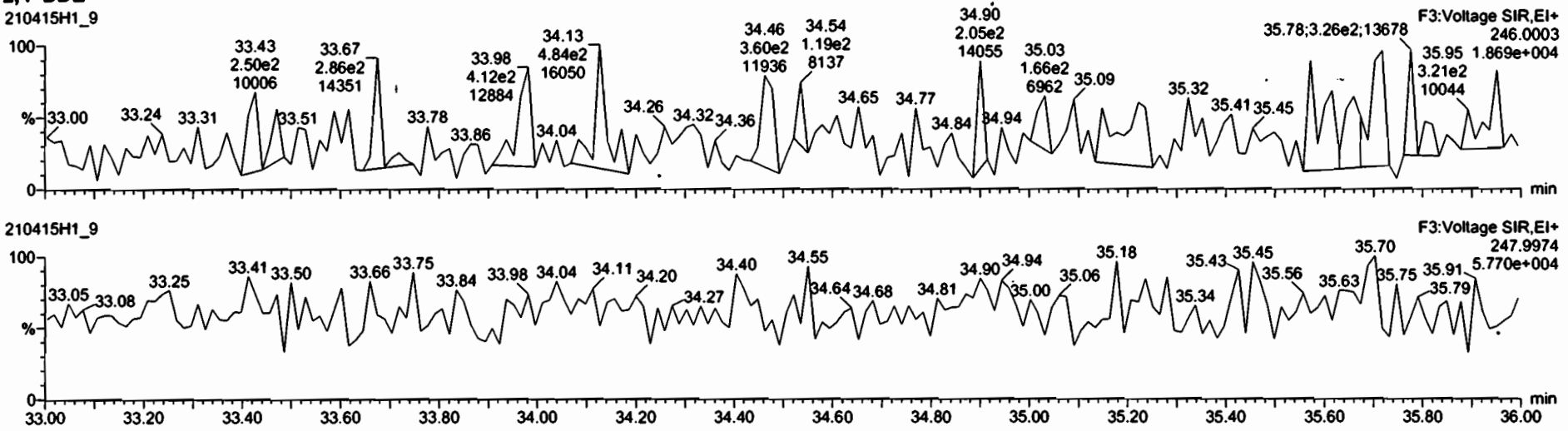
	#	Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	ΔRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
7	7	Heptachlor		2.52e5		NO	1.10	1.1114		28.72		1.001	YES			0.284	
8	8	4,4'-DDMU	9.78e2	3.86e5	5.36	YES	1.25	1.1114	29.84	30.17	0.990	0.998	NO	1.820		1.42	1.18
9	9	Aldrin	2.12e2	3.28e5	3.78	YES	1.09	1.1114	30.79	30.82	1.000	1.001	NO	0.5377		0.516	0.288
10	10	Oxychlordane		8.92e4		NO	1.08	1.1114		33.37		1.001	YES			1.75	
11	11	cis-Heptachlor Epoxide		1.14e5		NO	1.08	1.1114		34.16		1.001	YES			1.22	
12	12	trans-Heptachlor Epoxide		1.14e5		NO	0.29	1.1114		34.67		1.016	YES			4.52	
13	13	trans-Chlordane (gamma)	2.91e2	7.06e4	1.50	NO	1.14	1.1114	35.05	35.07	1.000	1.001	NO	3.262		1.97	3.26
14	14	trans-Nonachlor		7.77e4		NO	1.08	1.1114		35.21		1.000	YES			1.88	
15	15	cis-Chlordane		7.77e4		NO	1.16	1.1114		35.78		1.016	YES			1.71	
16	16	Endosulfan I (alpha)		5.51e4		NO	1.23	1.1114		35.84		1.001	YES			2.11	
17	17	4,4'-DDMU		2.17e5		NO		1.1114		35.46		0.994	YES			0.850	
18	18	2,4'-DDE		2.17e5		NO	1.02	1.1114		35.67		1.000	YES			0.579	
19	19	4,4'-DDE	6.84e3	1.48e6	0.88	YES	1.04	1.1114	36.75	36.74	1.000	1.000	NO	5.023		0.812	3.81
20	20	Dieldrin	6.90e2	1.99e5	1.40	NO	1.03	1.1114	37.26	37.29	1.000	1.001	NO	3.172		0.721	3.17

Dataset: Untitled

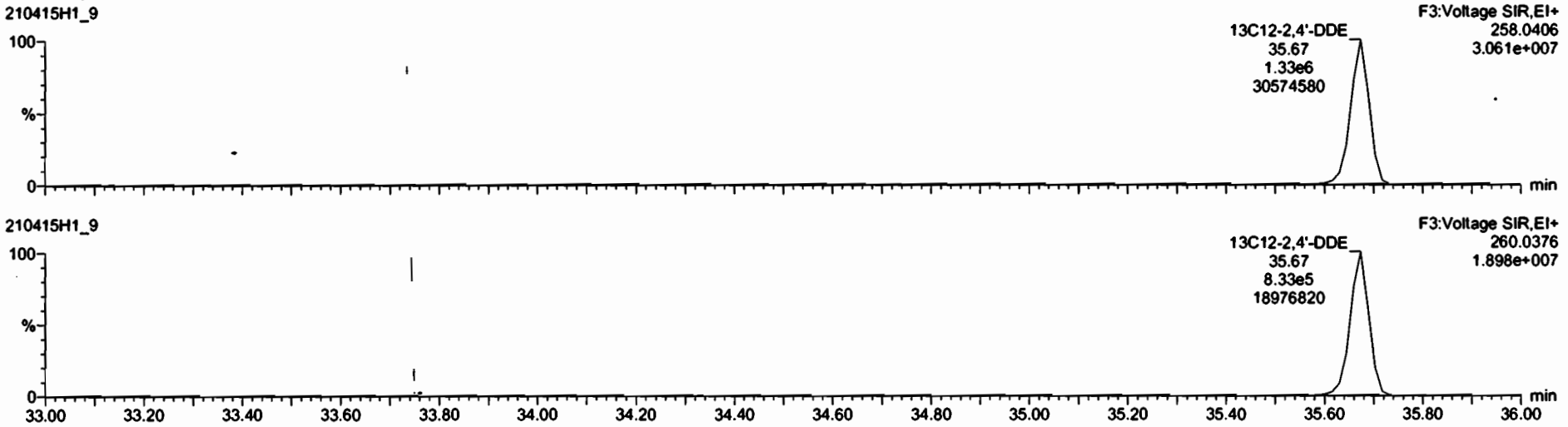
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_9, Date: 15-Apr-2021, Time: 16:05:43, ID: 2103216-16RE1 USMPDI-066RAB-10-20-210315 1.45, Description: USMPDI-066RAB-10-20-210315

2,4'-DDE



13C12-2,4'-DDE



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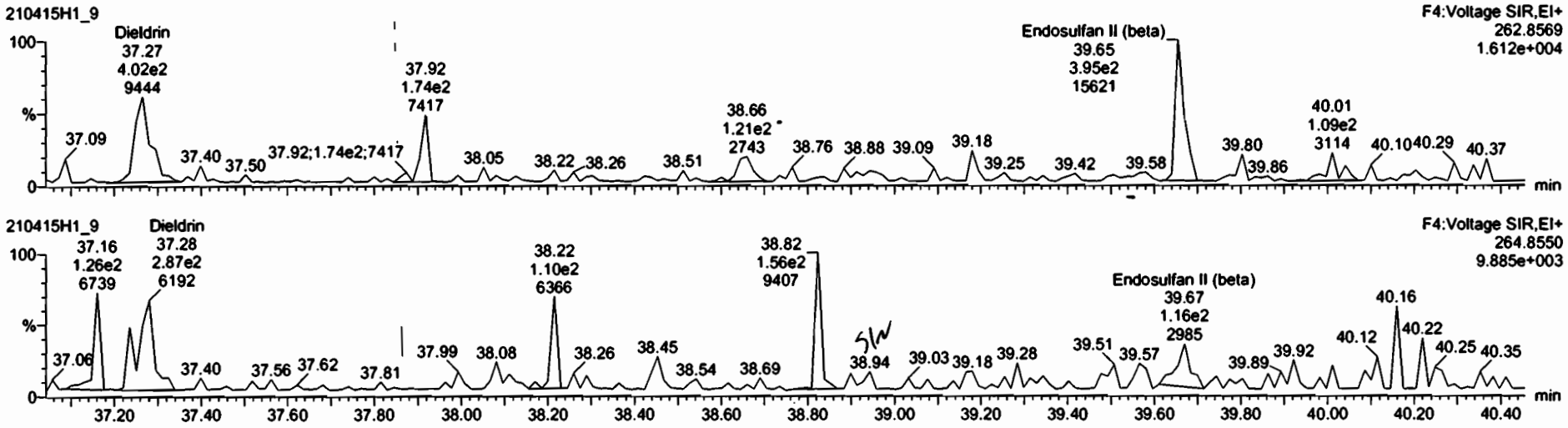
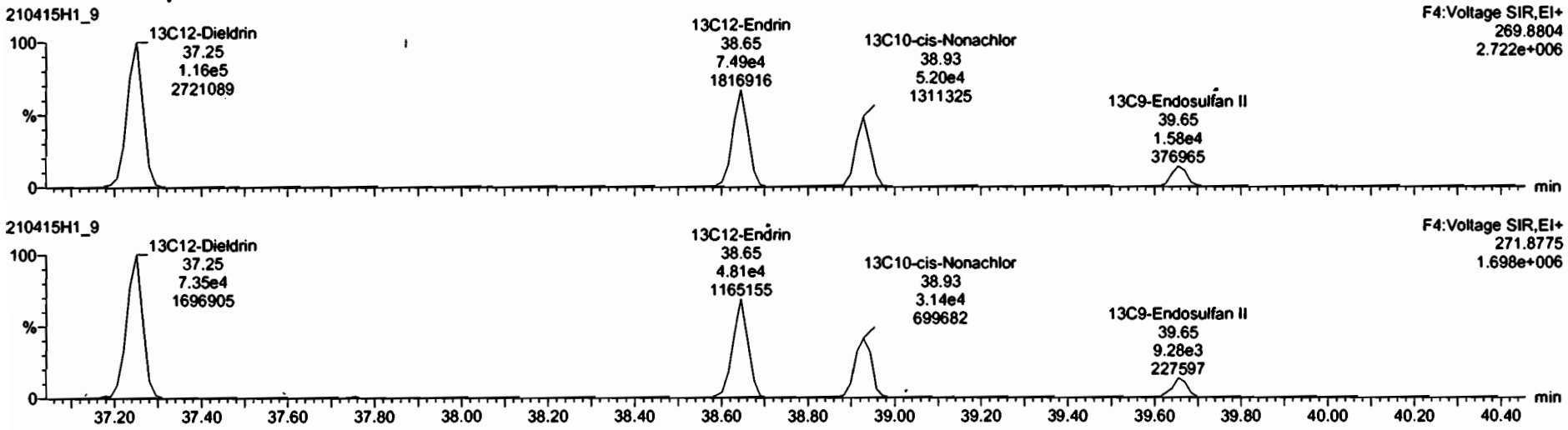
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_9, Date: 15-Apr-2021, Time: 16:05:43, ID: 2103216-16RE1 USMPDI-066RAB-10-20-210315 1.45, Description: USMPDI-066RAB-10-20-210315

Dieldrin-EII



Dieldrin-EII-isotopes

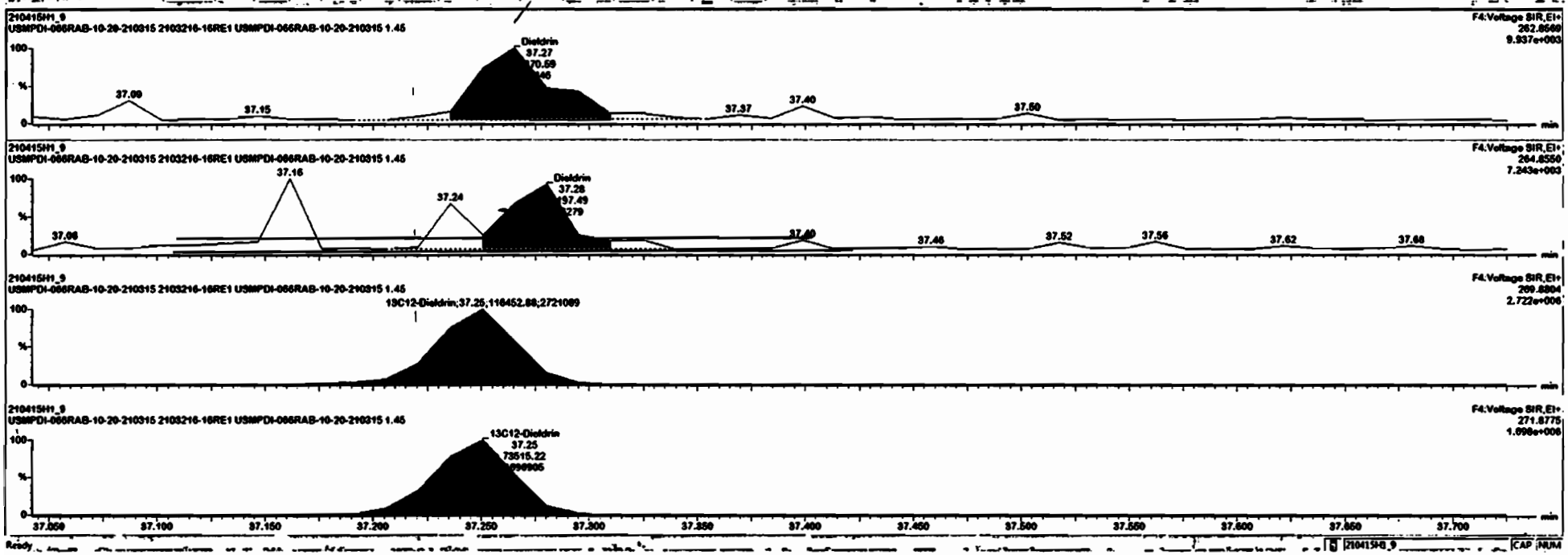


TargetLynx - 210415H1_9.qld - Chromatogram

File Edit View Display Processing Window Help

210415H1_9 2103216-16RE1 USMPDI-066RAB-10-20-210315 1.45 - USMPDI-066RAB-10-20-210315

	#	Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
12	12	trans-Heptachlor Epoxide		1.14e5		NO	0.29	1.1114		34.67		1.016	YES			4.52	
13	13	trans-Chlordane (gamma)	2.91e2	7.06e4	1.50	NO	1.14	1.1114	35.05	35.07	1.000	1.001	NO	3.262		1.97	3.26
14	14	trans-Nonachlor		7.77e4		NO	1.08	1.1114		35.21		1.000	YES			1.88	
15	15	cis-Chlordane		7.77e4		NO	1.16	1.1114		35.76		1.016	YES			1.71	
16	16	Endosulfan I (alpha)		5.51e4		NO	1.23	1.1114		35.84		1.001	YES			2.11	
17	17	4,4'-DDMU		2.17e6		NO		1.1114		35.46		0.994	YES			0.850	
18	18	2,4'-DDE		2.17e6		NO	1.02	1.1114		35.67		1.000	YES			0.579	
19	19	4,4'-DDE	8.64e3	1.49e6	0.88	YES	1.04	1.1114	36.75	36.74	1.000	1.000	NO	5.023		0.812	3.81
20	20	Dieldrin	5.68e2	1.90e5	1.88	NO	1.03	1.1114	37.27	37.29	1.000	1.001	NO	2.613		0.721	2.61
21	21	Endrin		1.23e5		NO	1.01	1.1114		38.08		1.001	YES			1.10	
22	22	cis-Nonachlor		8.34e4		NO	1.00	1.1114		38.93		1.000	YES			1.57	
23	23	Endosulfan II (beta)	5.11e2	2.51e4	3.42	YES	1.07	1.1114	39.65	39.65	1.000	1.000	NO	17.09		5.15	9.90
24	24	2,4'-DDD	1.48e3	1.68e6	0.20	YES	1.07	1.1114	37.78	37.87	0.998	1.000	NO	0.7481		1.16	0.204
25	25	2,4'-DDT		7.95e5		NO	1.05	1.1114		39.00		1.000	YES			2.60	



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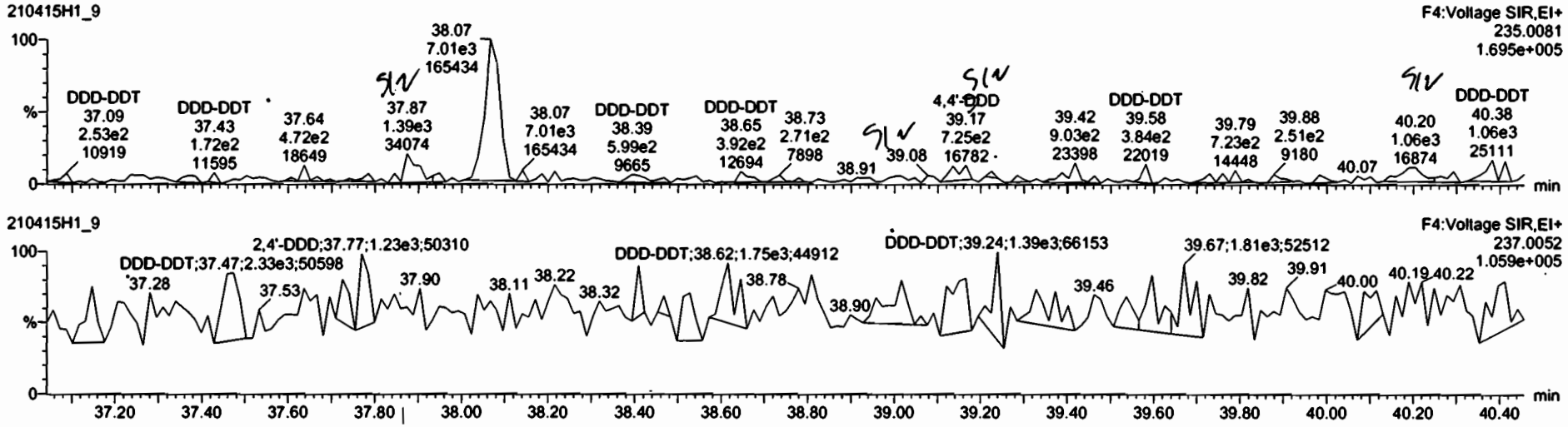
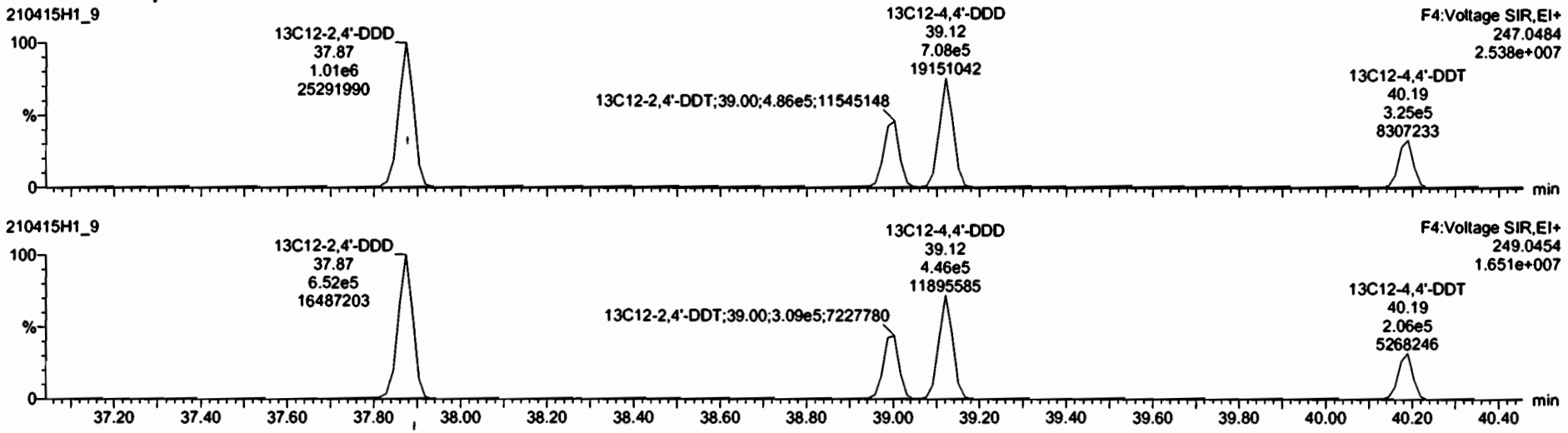
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_9, Date: 15-Apr-2021, Time: 16:05:43, ID: 2103216-16RE1 USMPDI-066RAB-10-20-210315 1.45, Description: USMPDI-066RAB-10-20-210315

DDD-DDT



DDD-DDT-isotopes



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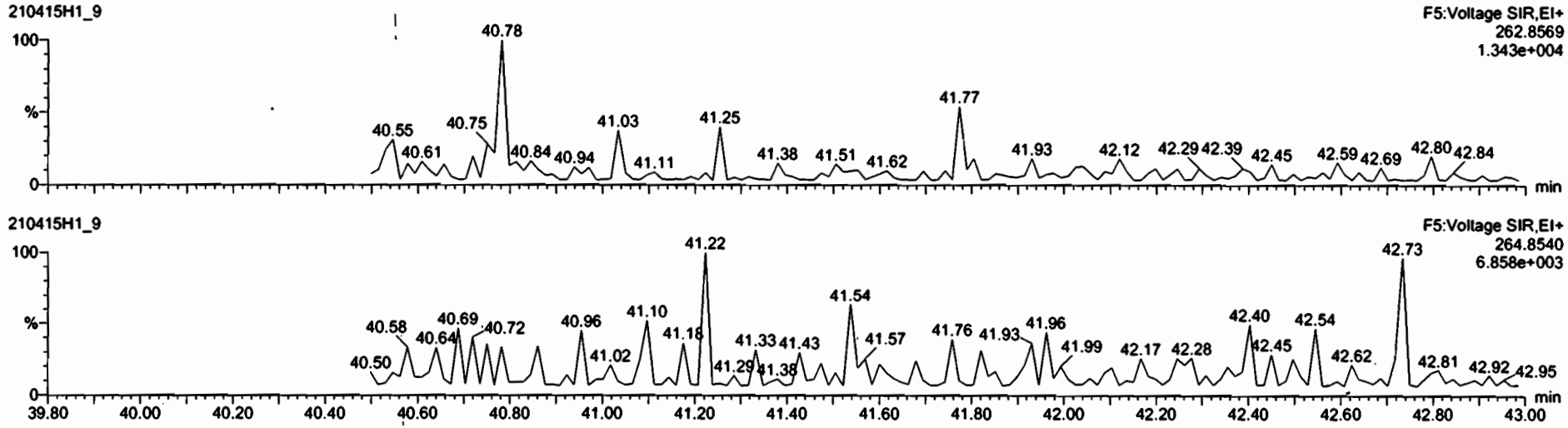
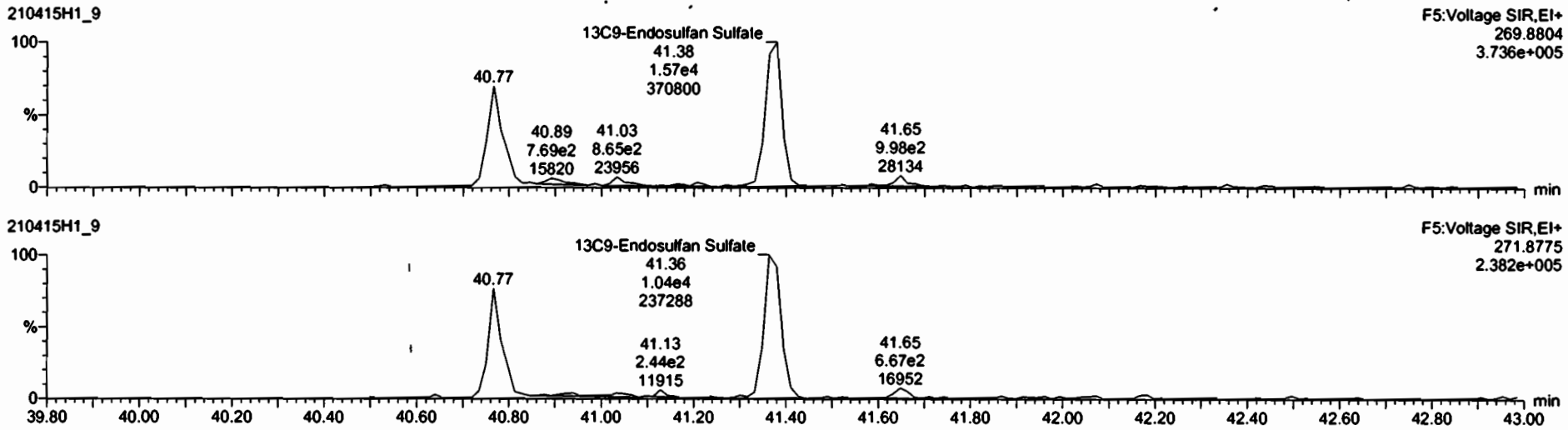
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_9, Date: 15-Apr-2021, Time: 16:05:43, ID: 2103216-16RE1 USMPDI-066RAB-10-20-210315 1.45, Description: USMPDI-066RAB-10-20-210315

Endosulfan Sulfate



13C9-Endosulfan Sulfate



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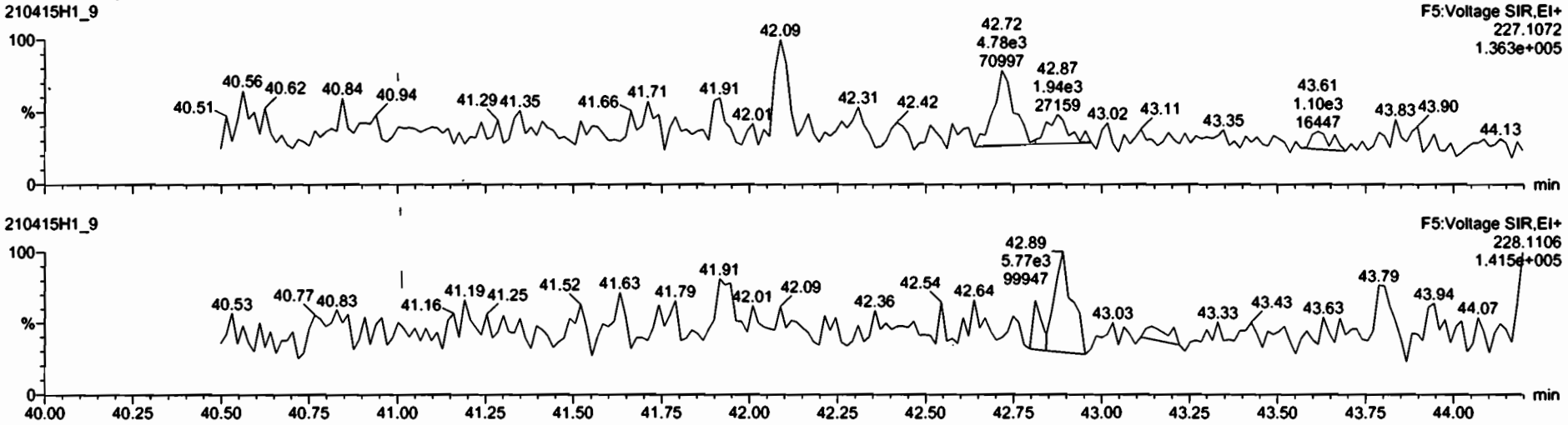
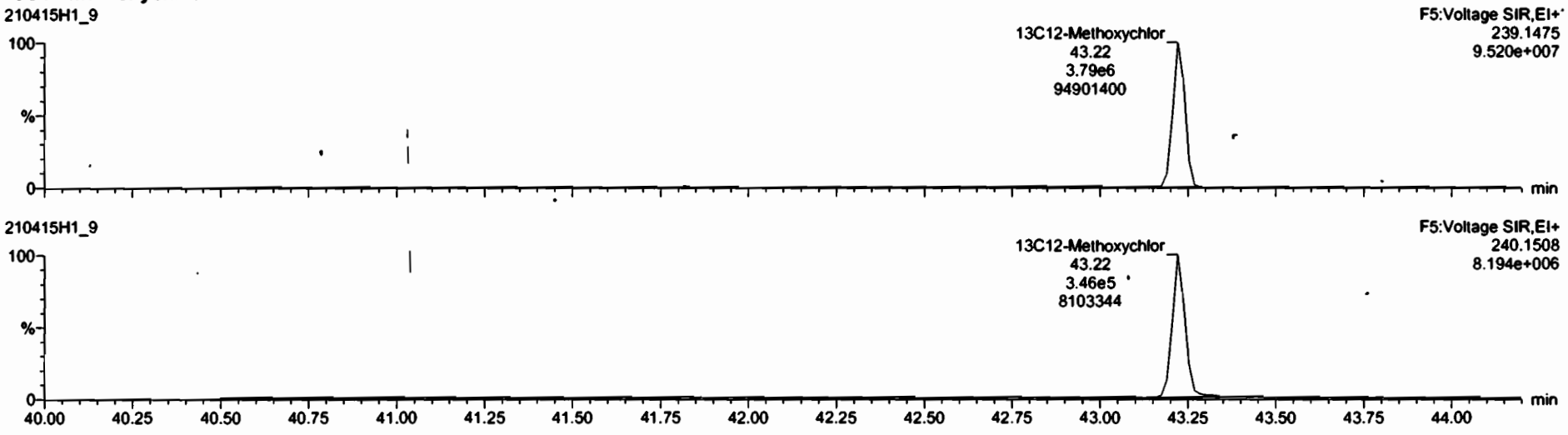
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_9, Date: 15-Apr-2021, Time: 16:05:43, ID: 2103216-16RE1 USMPDI-066RAB-10-20-210315 1.45, Description: USMPDI-066RAB-10-20-210315

4,4'-Methoxychlor



13C12-Methoxychlor



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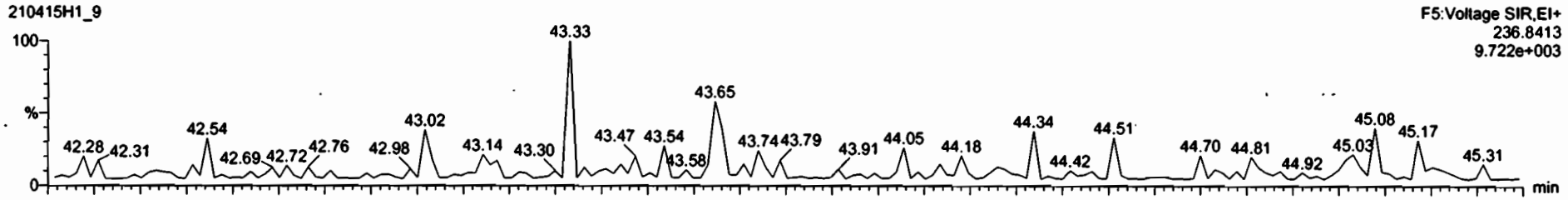
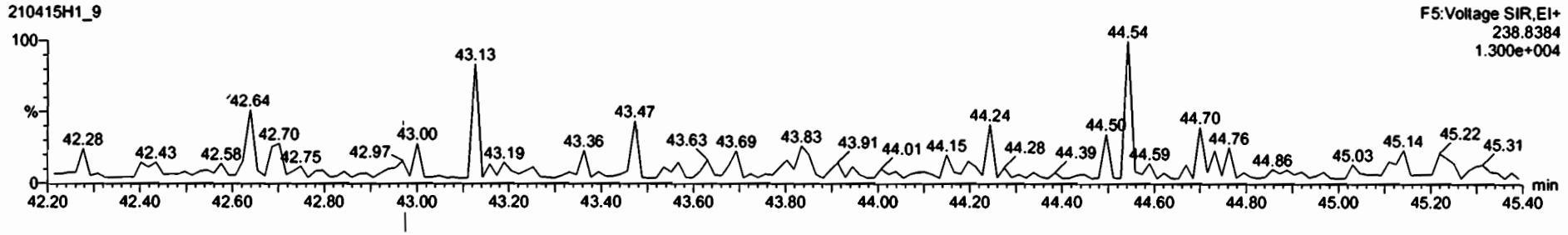
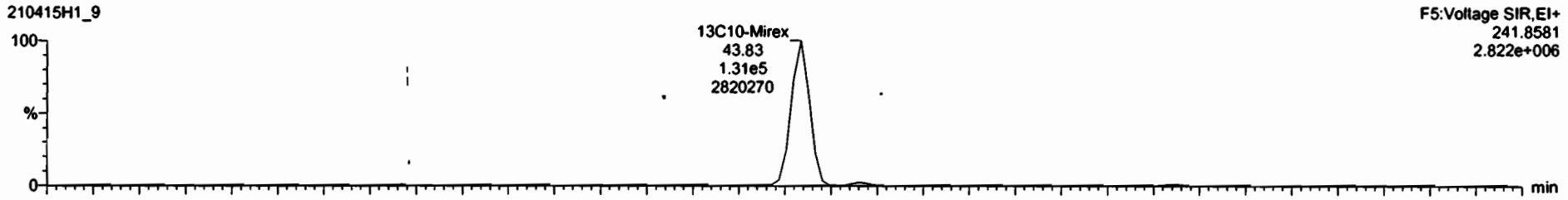
Name: 210415H1_9, Date: 15-Apr-2021, Time: 16:05:43, ID: 2103216-16RE1 USMPDI-066RAB-10-20-210315 1.45, Description: USMPDI-066RAB-10-20-210315

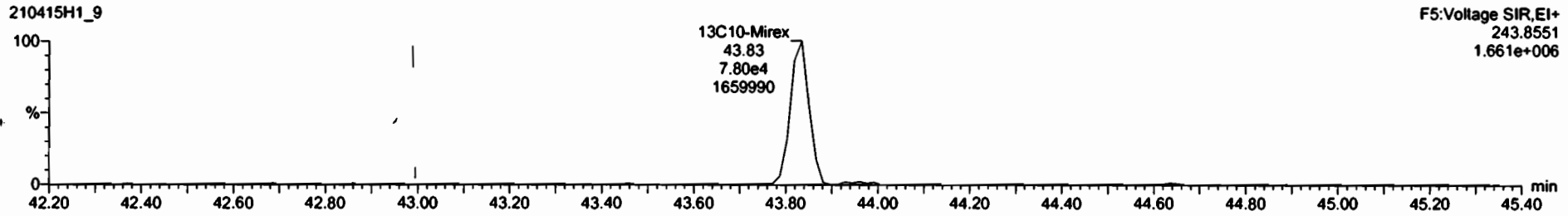
Mirex





13C10-Mirex





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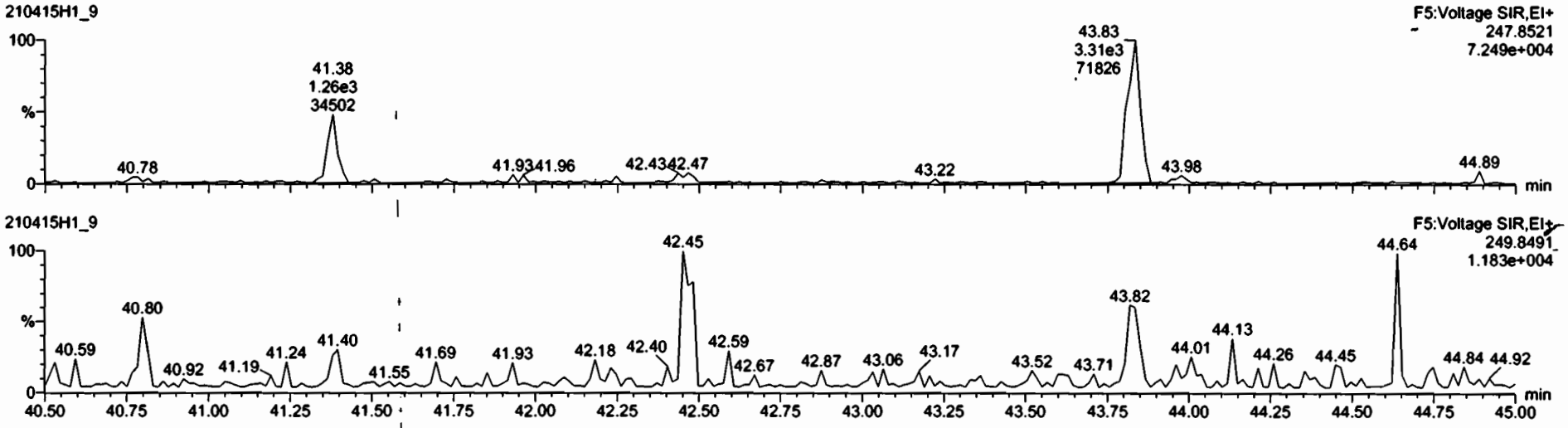
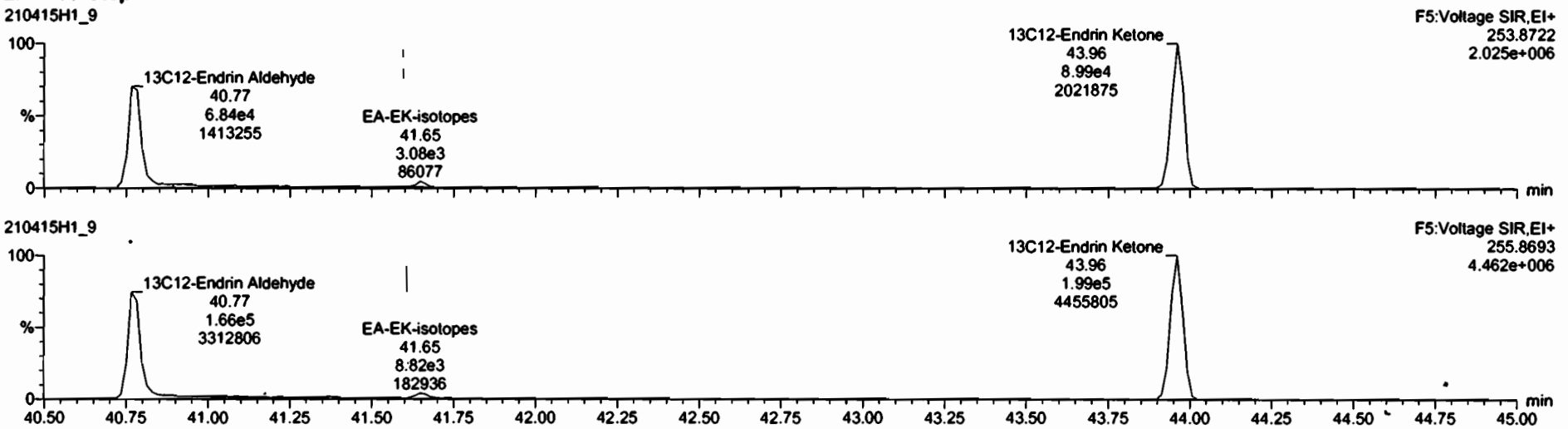
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_9, Date: 15-Apr-2021, Time: 16:05:43, ID: 2103216-16RE1 USMPDI-066RAB-10-20-210315 1.45, Description: USMPDI-066RAB-10-20-210315

EA-EK



EA-EK-isotopes



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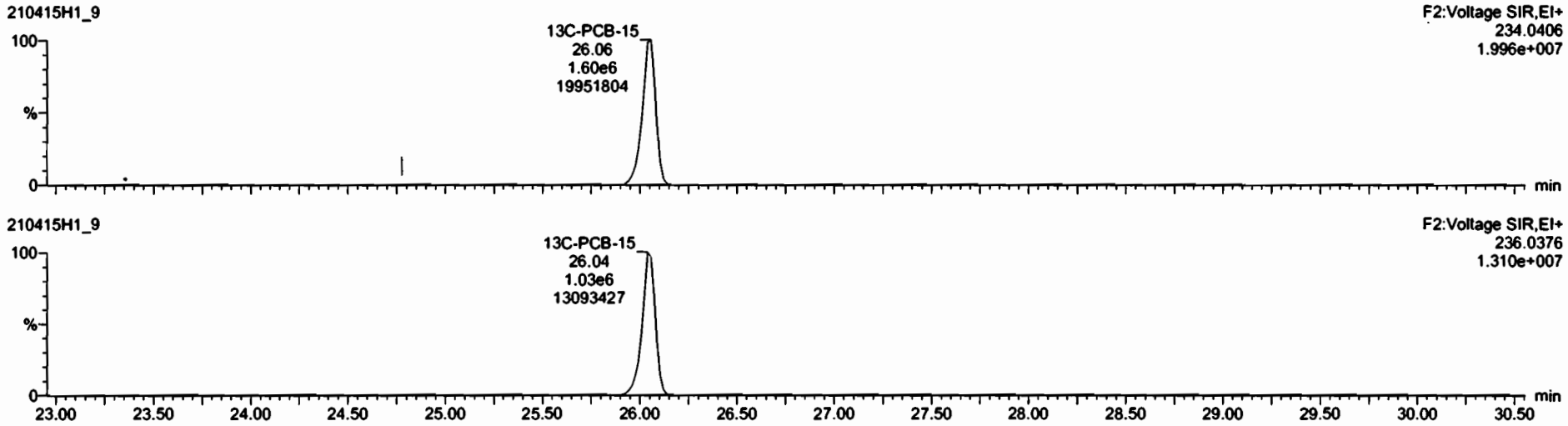
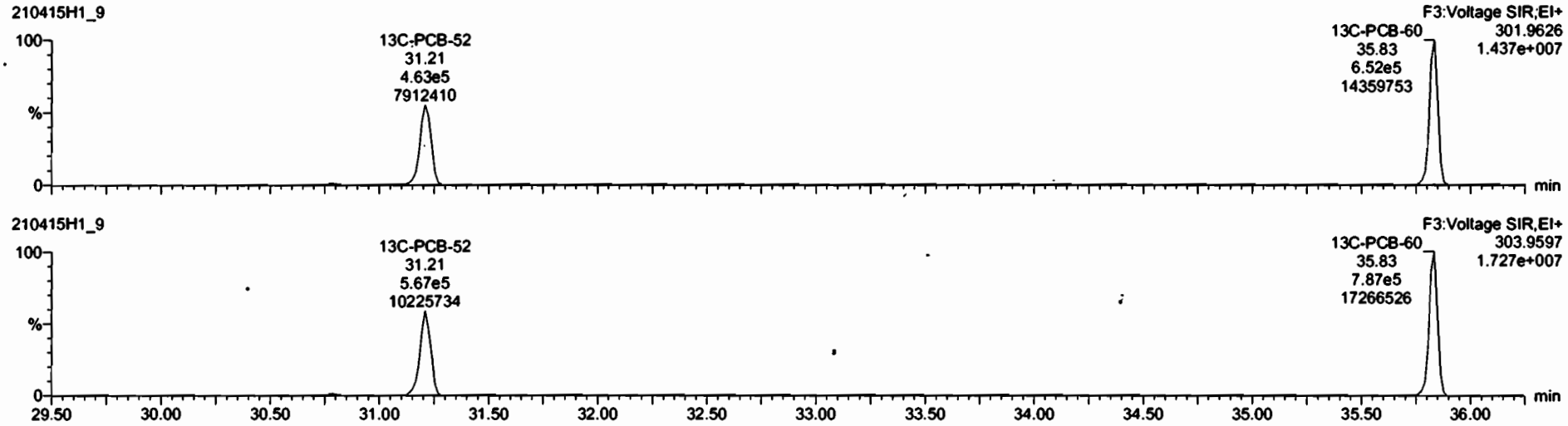
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_9, Date: 15-Apr-2021, Time: 16:05:43, ID: 2103216-16RE1 USMPDI-066RAB-10-20-210315 1.45, Description: USMPDI-066RAB-10-20-210315

13C-PCB-15



13C-PCB-60



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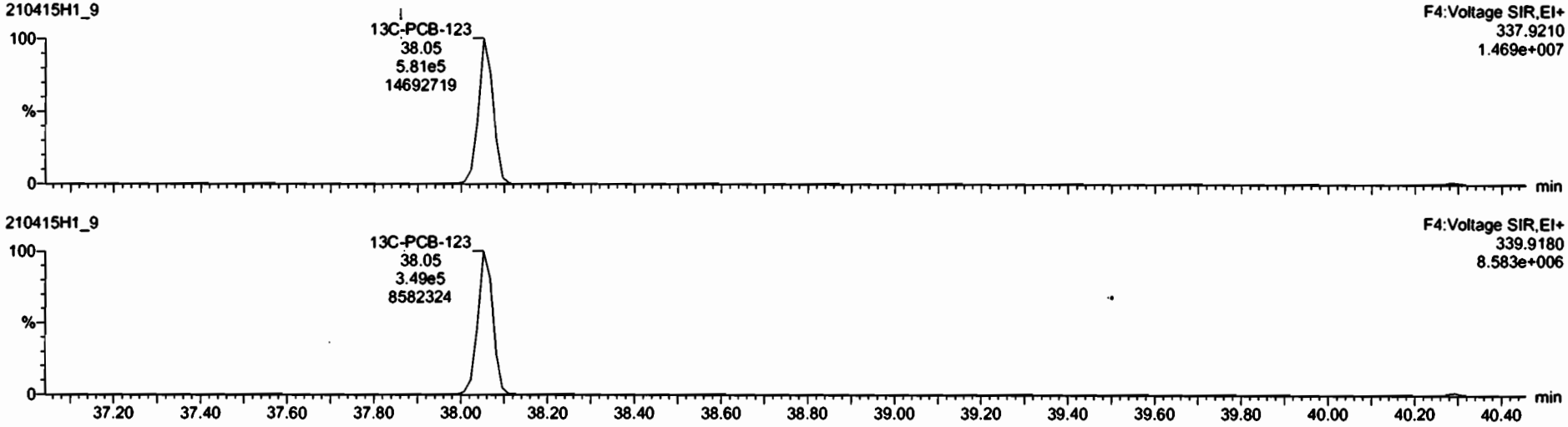
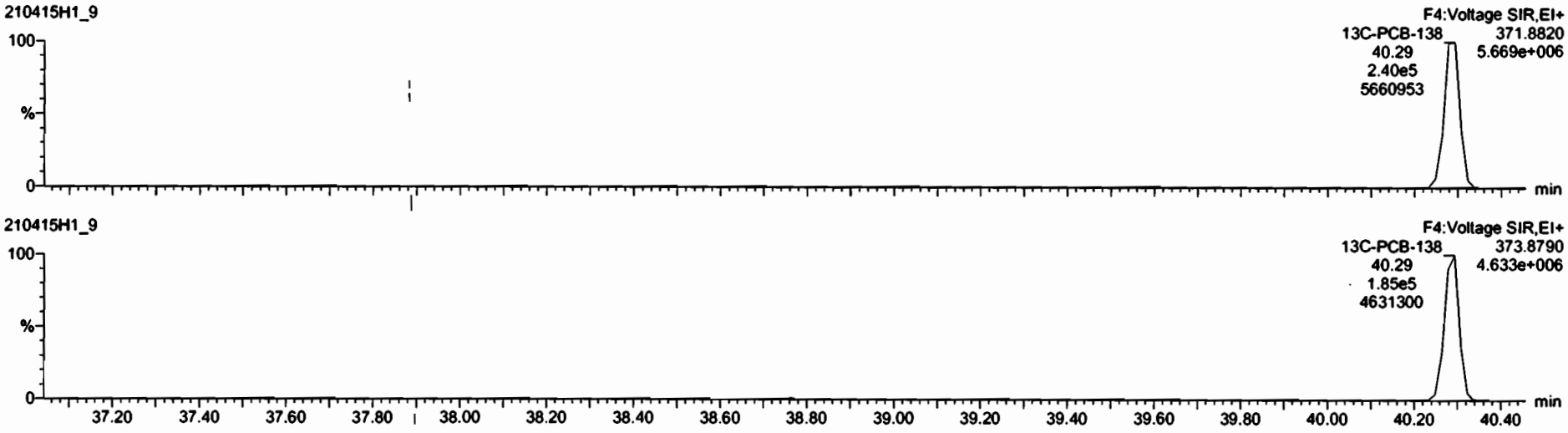


13C-PCB-138



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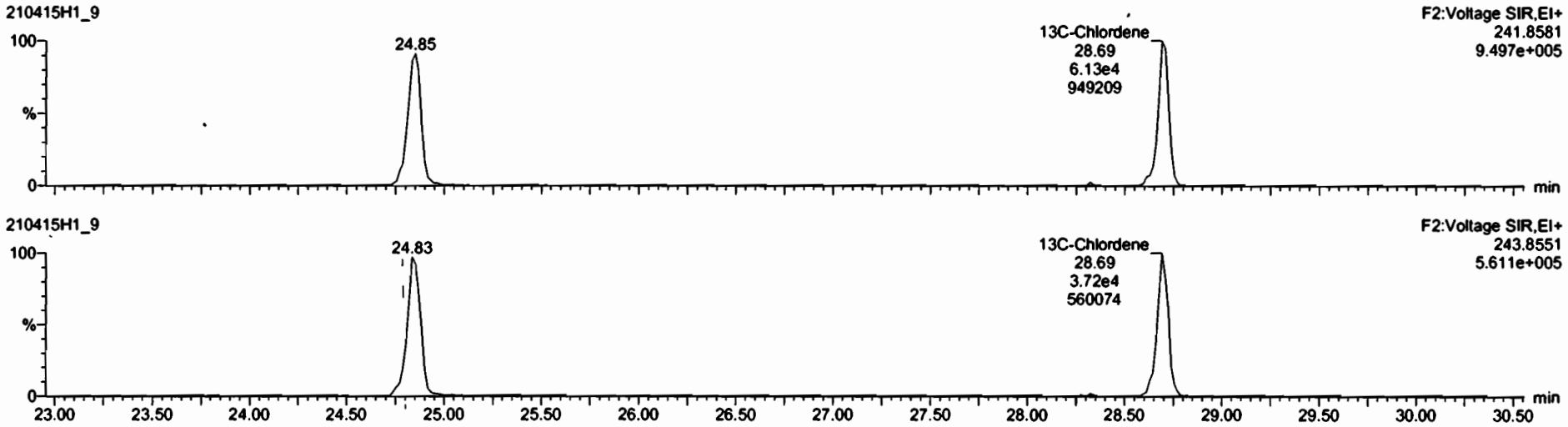
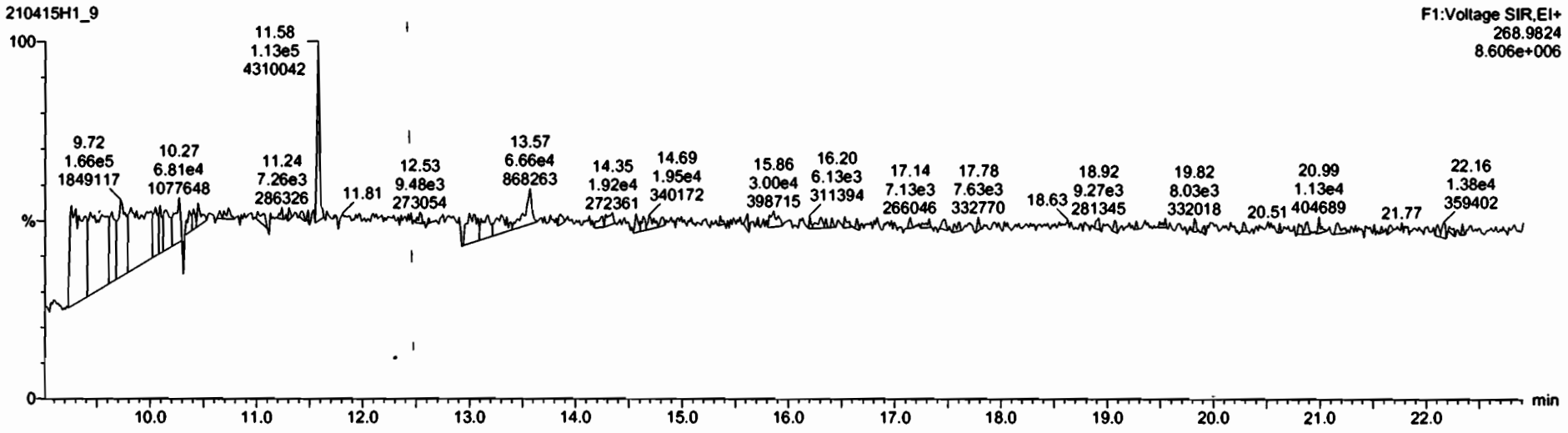
Name: 210415H1_9, Date: 15-Apr-2021, Time: 16:05:43, ID: 2103216-16RE1 USMPDI-066RAB-10-20-210315 1.45, Description: USMPDI-066RAB-10-20-210315

13C-Chlordene



PFK1



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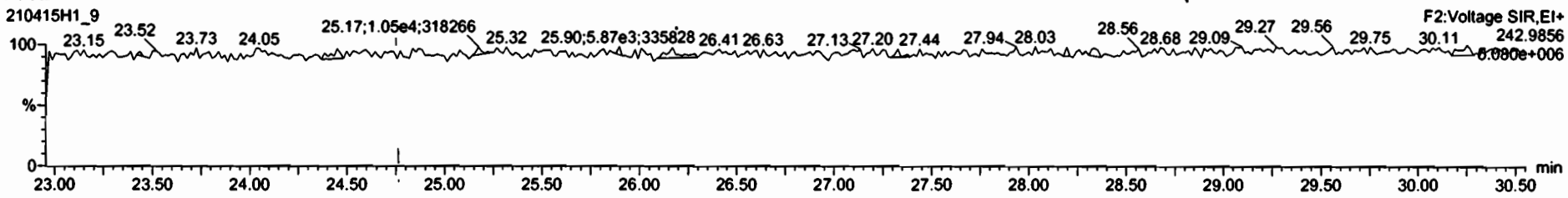
Name: 210415H1_9, Date: 15-Apr-2021, Time: 16:05:43, ID: 2103216-16RE1 USMPDI-066RAB-10-20-210315 1.45, Description: USMPDI-066RAB-10-20-210315

PFK2



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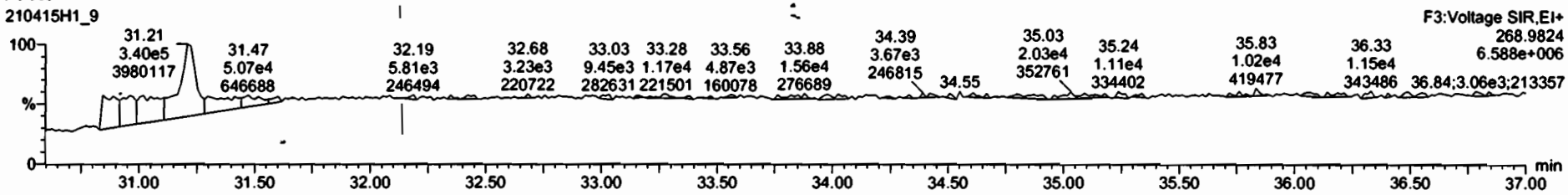
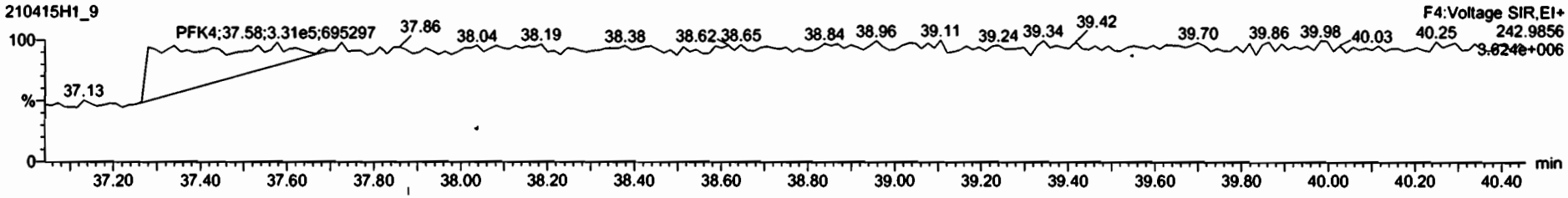
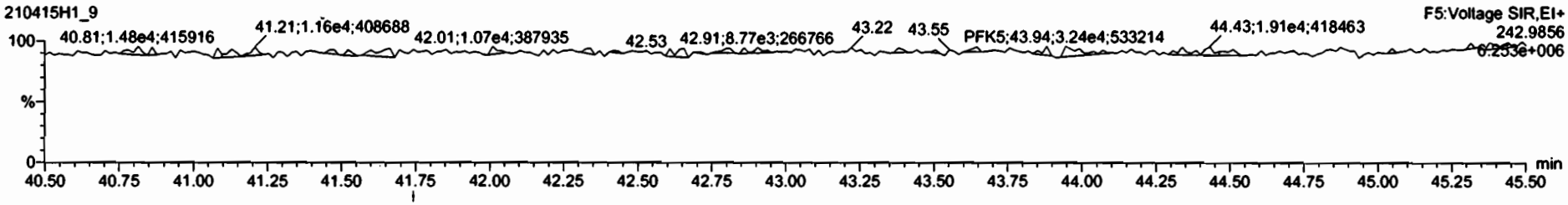


PFK4



PFK5



Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_8.qld

Last Altered: Monday, April 19, 2021 10:24:43 Pacific Daylight Time
Printed: Monday, April 19, 2021 10:25:12 Pacific Daylight Time

oc 04/28/21
JF 04/19/21
C 05/03/2021

Method: Untitled 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210415H1_8, Date: 15-Apr-2021, Time: 15:17:23, ID: 2103216-17RE1 USMPDI-066RAB-20-22.5-210315 1.54, Description: USMPDI-066RAB-20-22.5-210315, Task: ST210415H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	4	Lindane (gamma-...		3.09e5		NO	0.860	1.095			1.000	YES			1.90	
2	9	Aldrin		2.09e5		NO	1.09	1.095			1.001	YES			0.493	
3	10	Oxychlordane		6.98e4		NO	1.06	1.095			1.001	YES			1.41	
4	13	trans-Chlordane (g...		5.59e4		NO	1.14	1.095			1.001	YES			1.39	
5	14	trans-Nonachlor		6.15e4		NO	1.06	1.095			1.000	YES			1.45	
6	15	cis-Chlordane	2.17e2	6.15e4	3.57	YES	1.16	1.095	35.70	1.014	1.014	NO	2.7630		1.31	1.55
7	18	2,4'-DDE		1.73e6		NO	1.02	1.095			1.000	YES			0.742	
8	19	4,4'-DDE		1.19e6		NO	1.04	1.095			1.000	YES			1.03	
9	20	Dieldrin		1.65e5		NO	1.03	1.095			1.001	YES			1.39	
10	22	cis-Nonachlor		7.17e4		NO	1.00	1.095			1.000	YES			3.13	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_8.qld

Last Altered: Monday, April 19, 2021 10:24:43 Pacific Daylight Time
Printed: Monday, April 19, 2021 10:25:25 Pacific Daylight Time

Method: Untitled 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210415H1_8, Date: 15-Apr-2021, Time: 15:17:23, ID: 2103216-17RE1 USMPDI-066RAB-20-22.5-210315 1.54, Description: USMPDI-066RAB-20-22.5-210315, Task: ST210415H1_1

	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	24 2,4'-DDD		1.38e6		NO	1.07	1.095			1.000	YES			1.31	
2	25 2,4'-DDT		6.55e5		NO	1.05	1.095			1.000	YES			2.63	
3	26 4,4'-DDD		9.75e5		NO	1.16	1.095			1.000	YES			1.70	
4	27 4,4'-DDT		4.40e5		NO	1.13	1.095			1.001	YES			3.55	
5	36 13C6-Lindane (ga...	3.09e5	2.04e6	0.78	NO	0.194	1.095	26.55	1.019	1.019	NO	714.43	78.3	2.20	
6	40 13C12-Aldrin	2.09e5	2.04e6	1.55	NO	0.154	1.095	30.79	1.182	1.181	NO	606.79	66.5	1.12	
7	41 13C10-Oxychlorda...	6.98e4	2.04e6	1.63	NO	0.0404	1.095	33.35	1.280	1.280	NO	772.74	84.6	4.27	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_8.qld

Last Altered: Monday, April 19, 2021 10:24:43 Pacific Daylight Time
Printed: Monday, April 19, 2021 10:25:39 Pacific Daylight Time

Method: Untitled 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210415H1_8, Date: 15-Apr-2021, Time: 15:17:23, ID: 2103216-17RE1 USMPDI-066RAB-20-22.5-210315 1.54, Description: USMPDI-066RAB-20-22.5-210315, Task: ST210415H1_1

	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	43 13C10-trans-Chlor...	5.59e4	2.04e6	1.51	NO	0.0358	1.095	35.03	1.344	1.344	NO	698.47	76.5	4.82	
2	44 13C10-trans-Nona...	6.15e4	1.19e6	1.68	NO	0.0638	1.095	35.22	0.983	0.983	NO	738.01	80.8	2.66	
3	46 13C12-2,4'-DDE	1.73e6	1.19e6	1.59	NO	1.43	1.095	35.67	0.996	0.995	NO	922.00	101	1.02	
4	47 13C12-4,4'-DDE	1.19e6	1.19e6	1.60	NO	0.995	1.095	36.74	1.025	1.026	NO	913.70	100	1.47	
5	48 13C12-Dieldrin	1.65e5	1.19e6	1.58	NO	0.146	1.095	37.25	1.040	1.040	NO	862.14	94.4	2.29	
6	50 13C10-cis-Nonach...	7.17e4	1.19e6	1.74	NO	0.0791	1.095	38.93	1.086	1.087	NO	693.55	76.0	4.23	
7	52 13C12-2,4'-DDD	1.38e6	1.19e6	1.57	NO	1.35	1.095	37.87	1.057	1.057	NO	779.69	85.4	2.19	
8	53 13C12-2,4'-DDT	6.55e5	1.19e6	1.58	NO	0.962	1.095	39.00	1.088	1.089	NO	520.43	57.0	3.08	
9	54 13C12-4,4'-DDD	9.75e5	1.19e6	1.59	NO	1.12	1.095	39.12	1.092	1.092	NO	663.62	72.7	2.64	
10	55 13C12-4,4'-DDT	4.40e5	1.19e6	1.57	NO	0.735	1.095	40.19	1.122	1.122	NO	458.54	50.2	4.04	
11	62 13C-PCB-15	2.04e6	2.04e6	1.59	NO	1.00	1.095	26.06	1.000	1.000	NO	912.98	100	0.712	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_8.qld

Last Altered: Monday, April 19, 2021 10:24:43 Pacific Daylight Time
Printed: Monday, April 19, 2021 10:25:47 Pacific Daylight Time

Method: Untitled 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210415H1_8, Date: 15-Apr-2021, Time: 15:17:23, ID: 2103216-17RE1 USMPDI-066RAB-20-22.5-210315 1.54, Description: USMPDI-066RAB-20-22.5-210315, Task: ST210415H1_1

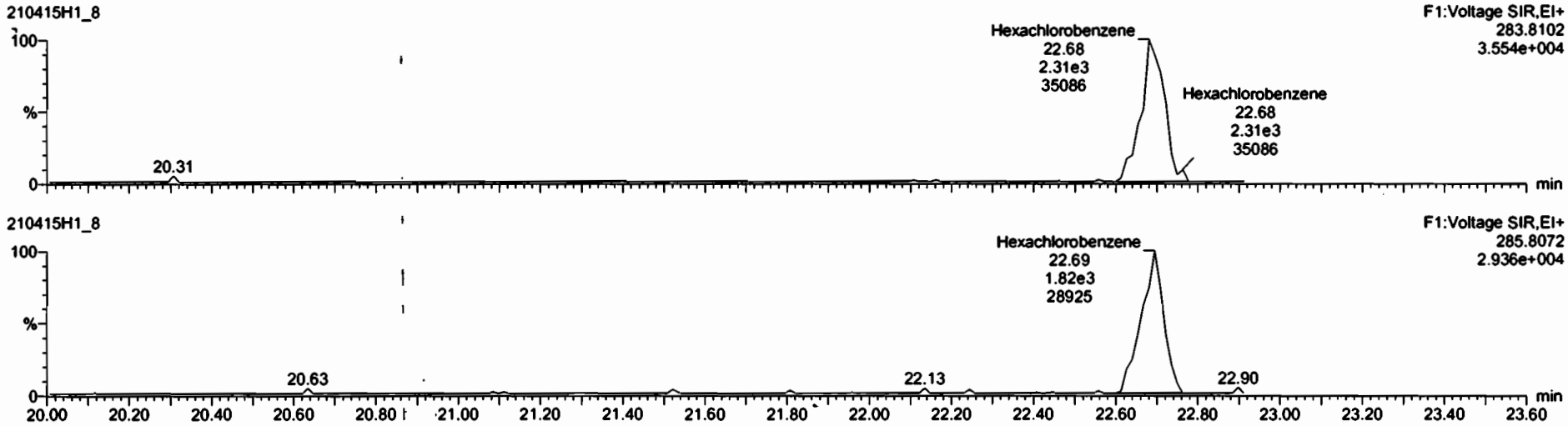
	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	63	13C-PCB-60	1.19e6	1.19e6	0.82	NO	1.00	1.095	35.83	1.000	1.000	NO	912.98	100	0.593	

Dataset: Untitled

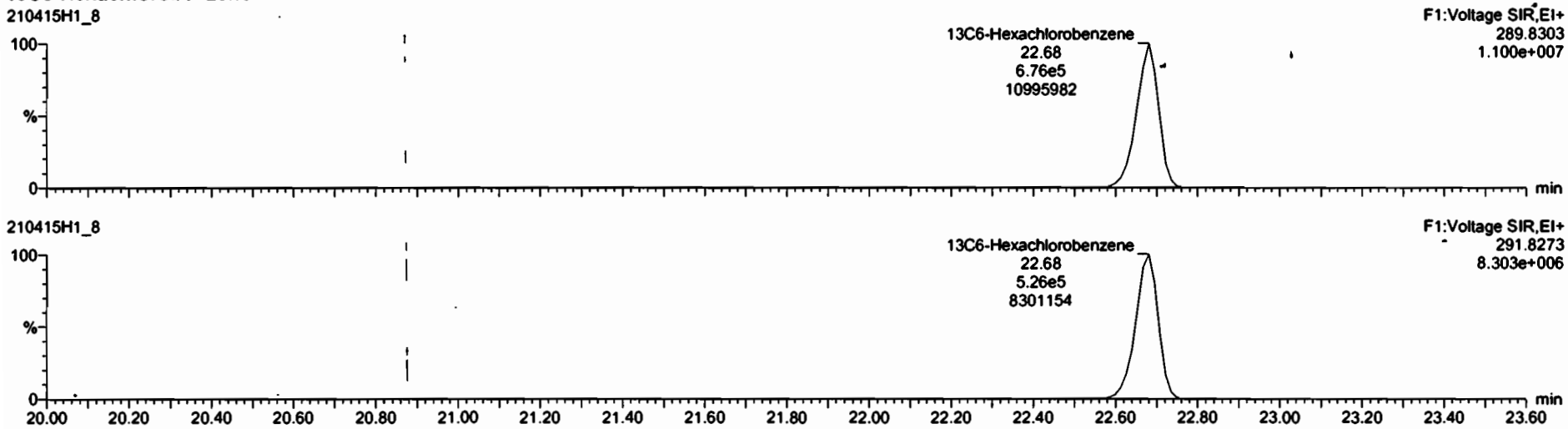
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_8, Date: 15-Apr-2021, Time: 15:17:23, ID: 2103216-17RE1 USMPDI-066RAB-20-22.5-210315 1.54, Description: USMPDI-066RAB-20-22.5-210315

Hexachlorobenzene



13C6-Hexachlorobenzene



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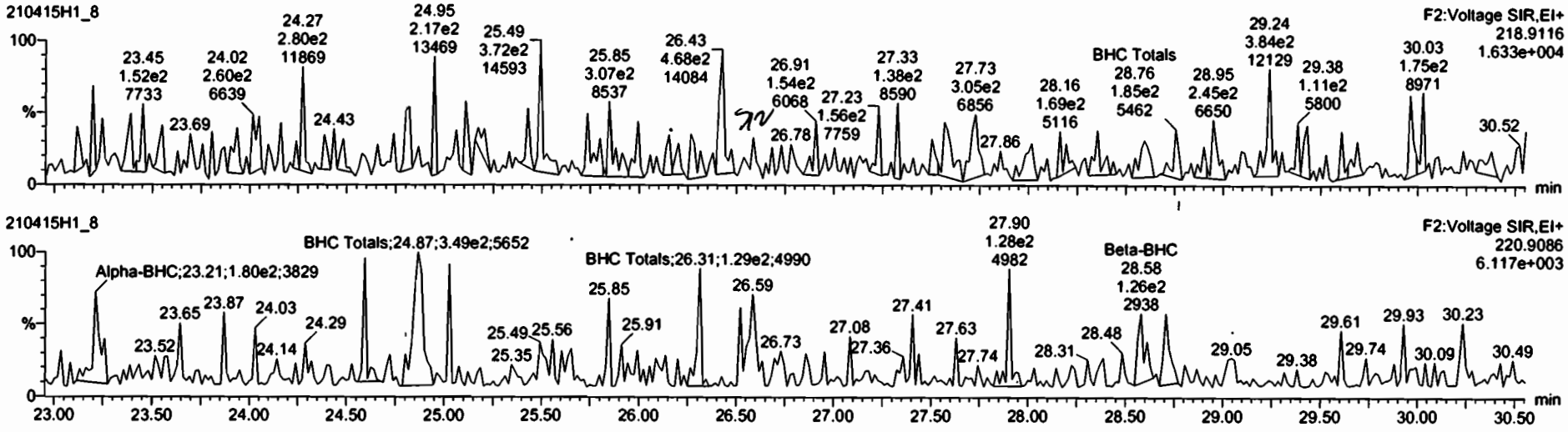
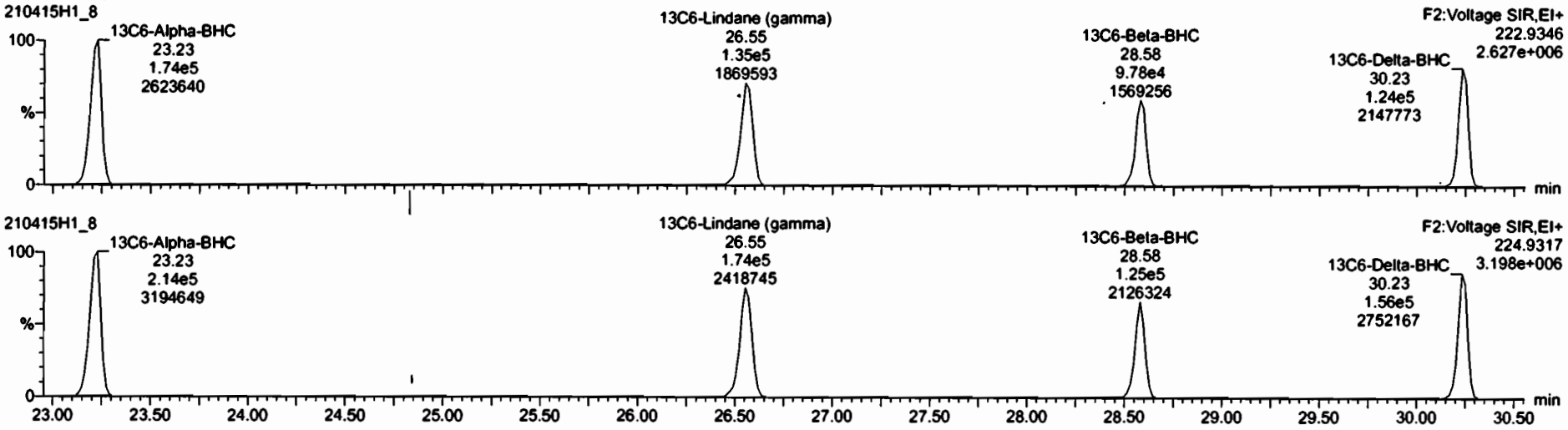
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_8, Date: 15-Apr-2021, Time: 15:17:23, ID: 2103216-17RE1 USMPDI-066RAB-20-22.5-210315 1.54, Description: USMPDI-066RAB-20-22.5-210315

BHC Totals



BHC-isotopes



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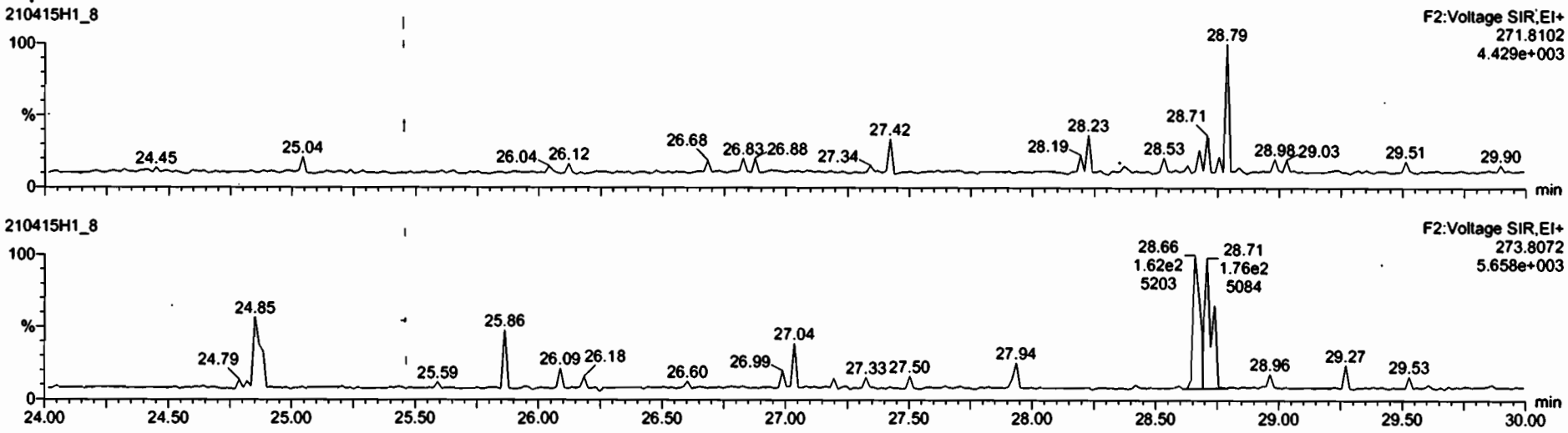
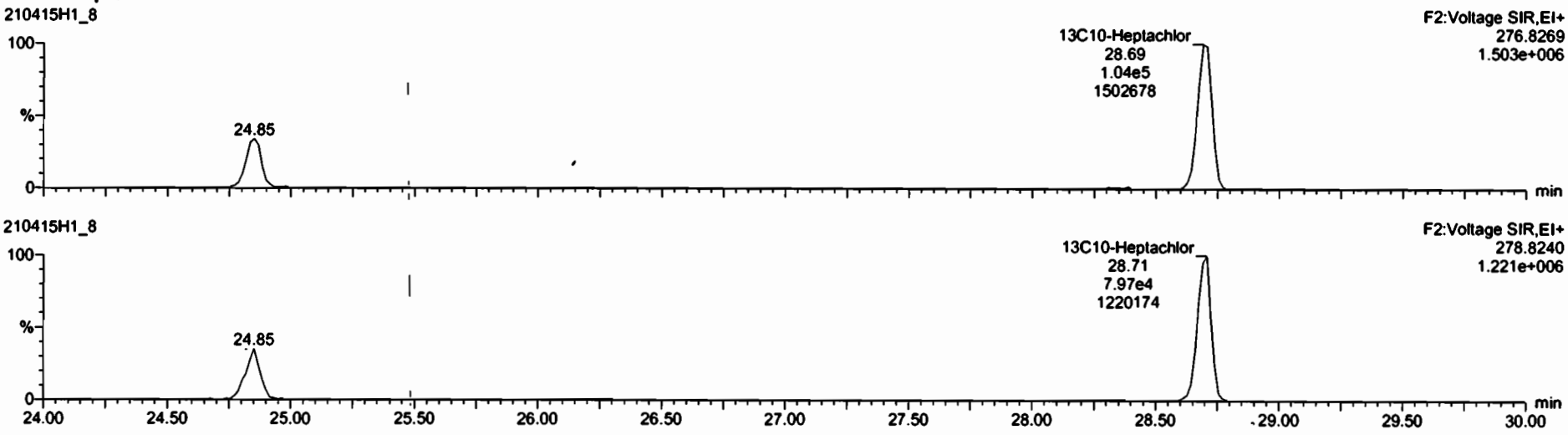
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_8, Date: 15-Apr-2021, Time: 15:17:23, ID: 2103216-17RE1 USMPDI-066RAB-20-22.5-210315 1.54, Description: USMPDI-066RAB-20-22.5-210315

Heptachlor



13C10-Heptachlor



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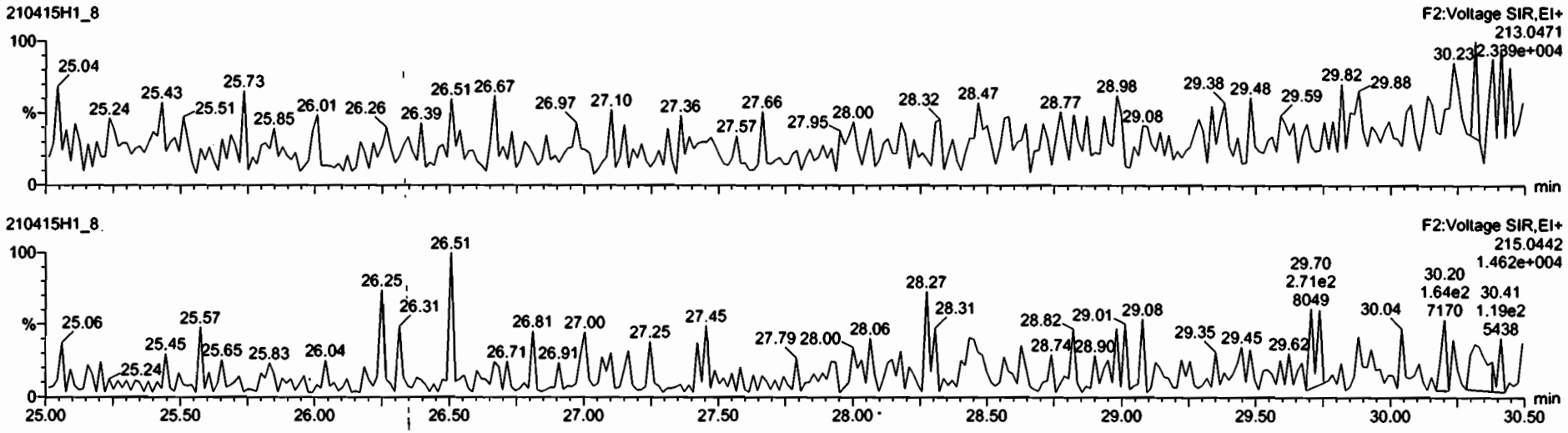
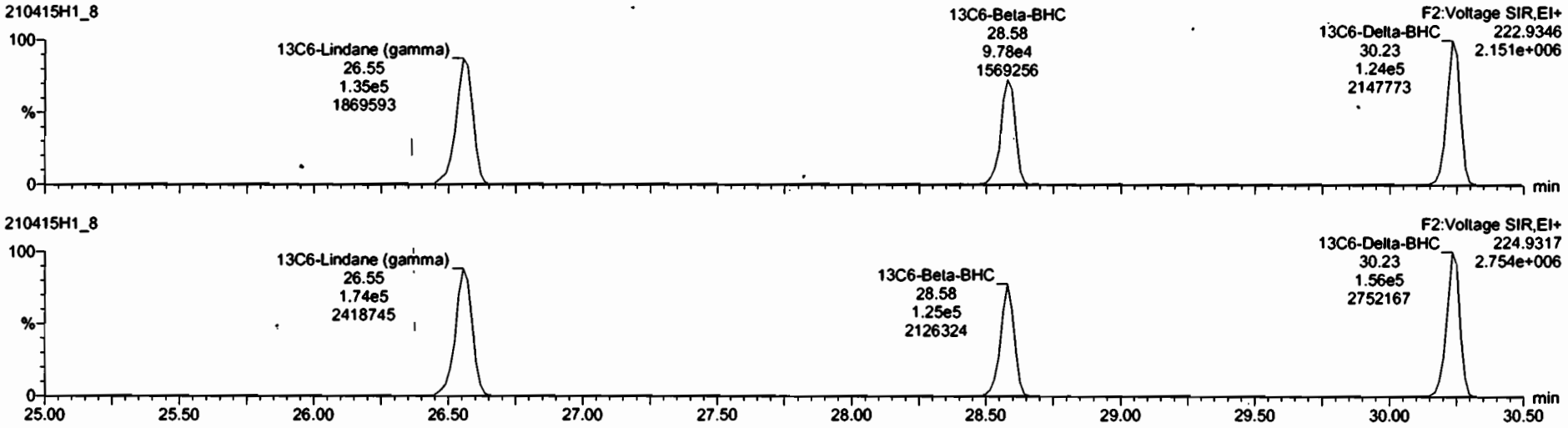
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_8, Date: 15-Apr-2021, Time: 15:17:23, ID: 2103216-17RE1 USMPDI-066RAB-20-22.5-210315 1.54, Description: USMPDI-066RAB-20-22.5-210315

4,4'-DDNU



13C6-Delta-BHC



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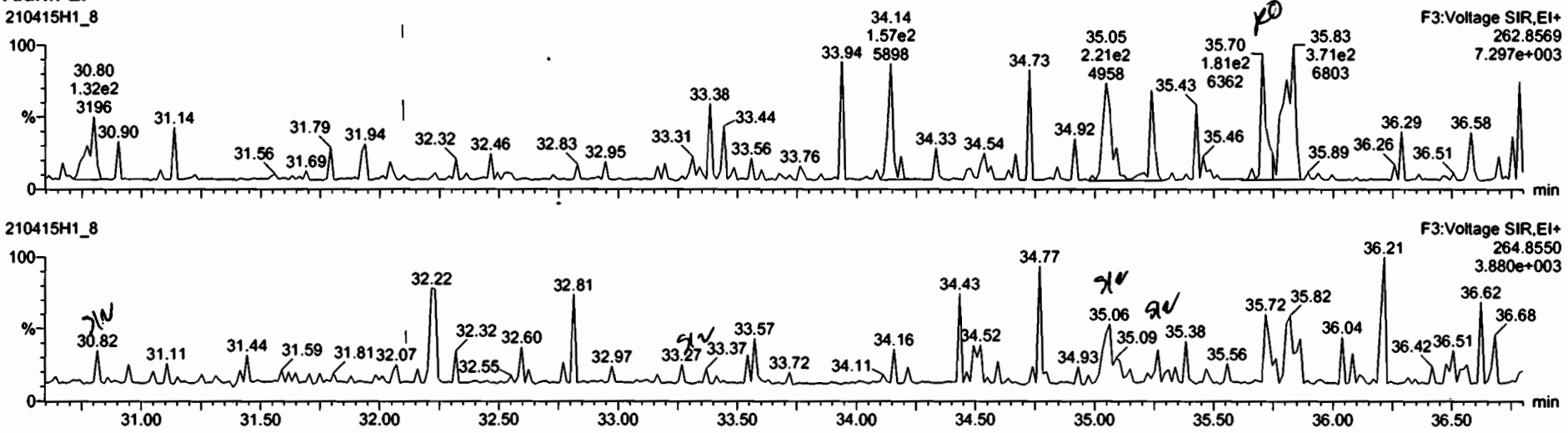
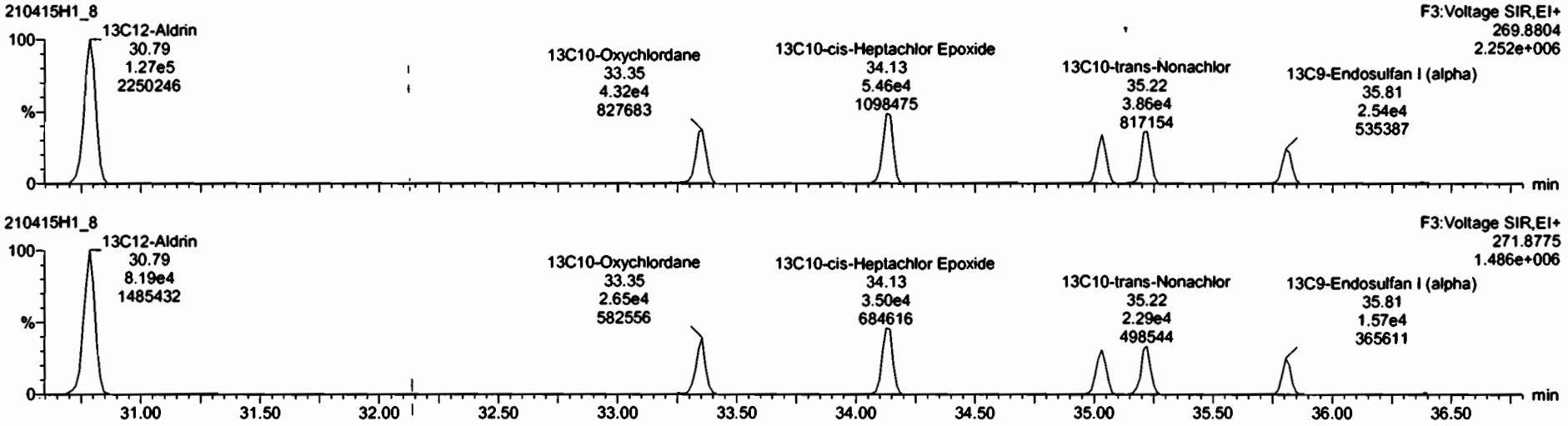
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

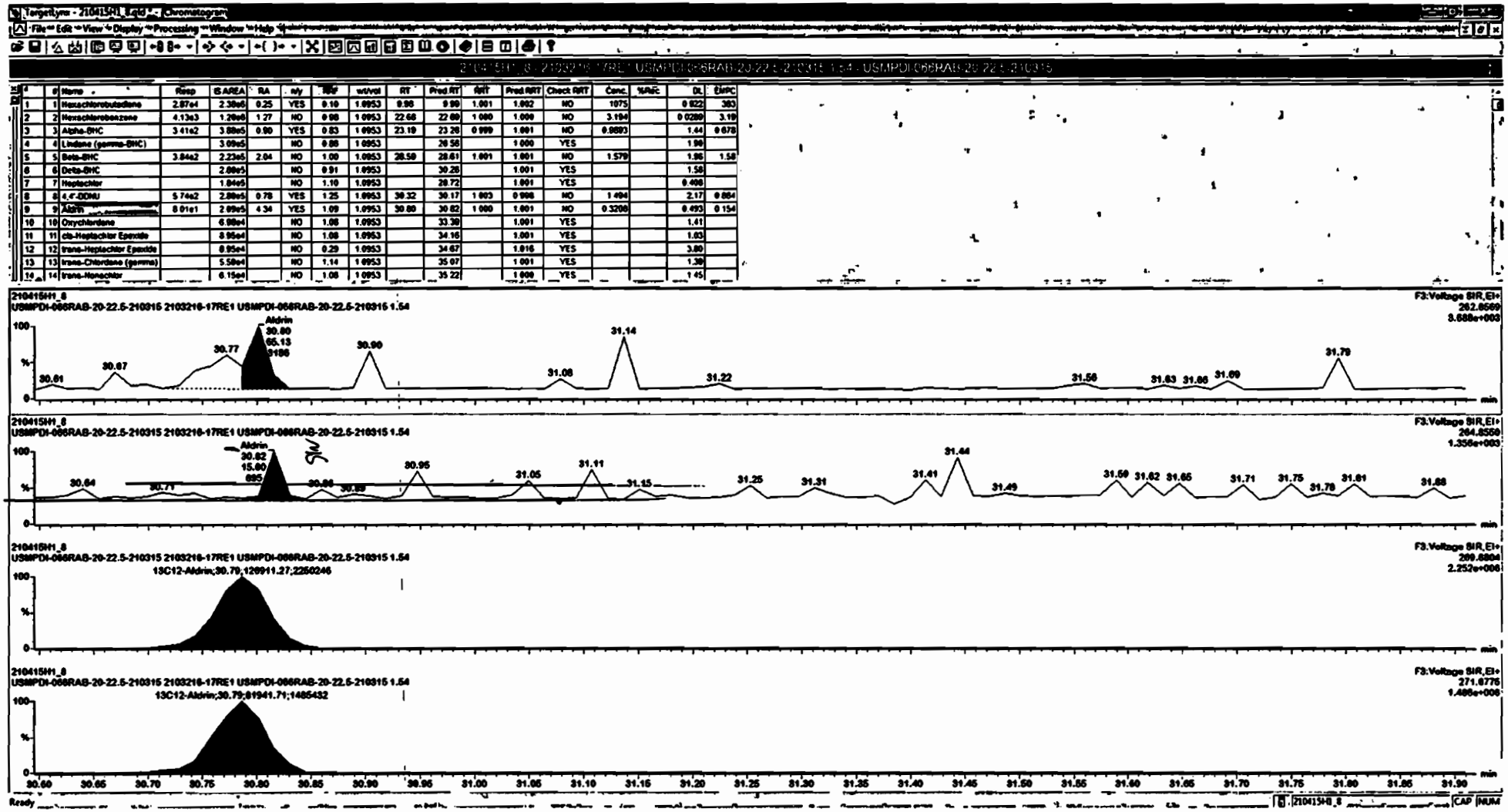
Name: 210415H1_8, Date: 15-Apr-2021, Time: 15:17:23, ID: 2103216-17RE1 USMPDI-066RAB-20-22.5-210315 1.54, Description: USMPDI-066RAB-20-22.5-210315

Aldrin-EI



Aldrin-EI-isotopes





#	#	Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1	Hexachlorobutadiene	2.87e4	2.30e6	0.25	YES	0.10	1.0953	0.98	9.99	1.001	1.002	NO	1075		0.922	383
2	2	Hexachlorobenzene	4.13e3	1.20e6	1.27	NO	0.98	1.0953	22.68	22.69	1.000	1.000	NO	3.194		0.0289	3.19
3	3	Alpha-BHC	3.41e2	3.88e5	0.90	YES	0.83	1.0953	23.19	23.28	0.999	1.001	NO	0.9893		1.44	0.678
4	4	Lindane (gamma-BHC)		3.09e5		NO	0.86	1.0953		26.58		1.000	YES			1.98	
5	5	Beta-BHC	3.84e2	2.23e5	2.04	NO	1.00	1.0953	28.58	28.61	1.001	1.001	NO	1.579		1.96	1.58
6	6	Delta-BHC		2.89e5		NO	0.91	1.0953		30.28		1.001	YES			1.58	
7	7	Heptachlor		1.84e5		NO	1.10	1.0953		28.72		1.001	YES			0.408	
8	8	4,4'-DDMU	5.74e2	2.88e5	0.78	YES	1.25	1.0953	30.32	30.17	1.003	0.998	NO	1.494		2.17	0.884
9	9	Aldrin	8.01e1	2.09e5	4.34	YES	1.09	1.0953	30.80	30.82	1.000	1.001	NO	0.3208		0.493	0.154
10	10	Oxychlordane		6.98e4		NO	1.08	1.0953		33.38		1.001	YES			1.41	
11	11	cis-Heptachlor Epoxide		8.95e4		NO	1.08	1.0953		34.16		1.001	YES			1.03	
12	12	trans-Heptachlor Epoxide		8.95e4		NO	0.29	1.0953		34.67		1.016	YES			3.80	
13	13	trans-Chlordane (gamma)		5.58e4		NO	1.14	1.0953		35.07		1.001	YES			1.38	
14	14	trans-Nonachlor		6.15e4		NO	1.08	1.0953		35.22		1.000	YES			1.45	

TargetLynx - 210415H1_8.qld * - Chromatogram

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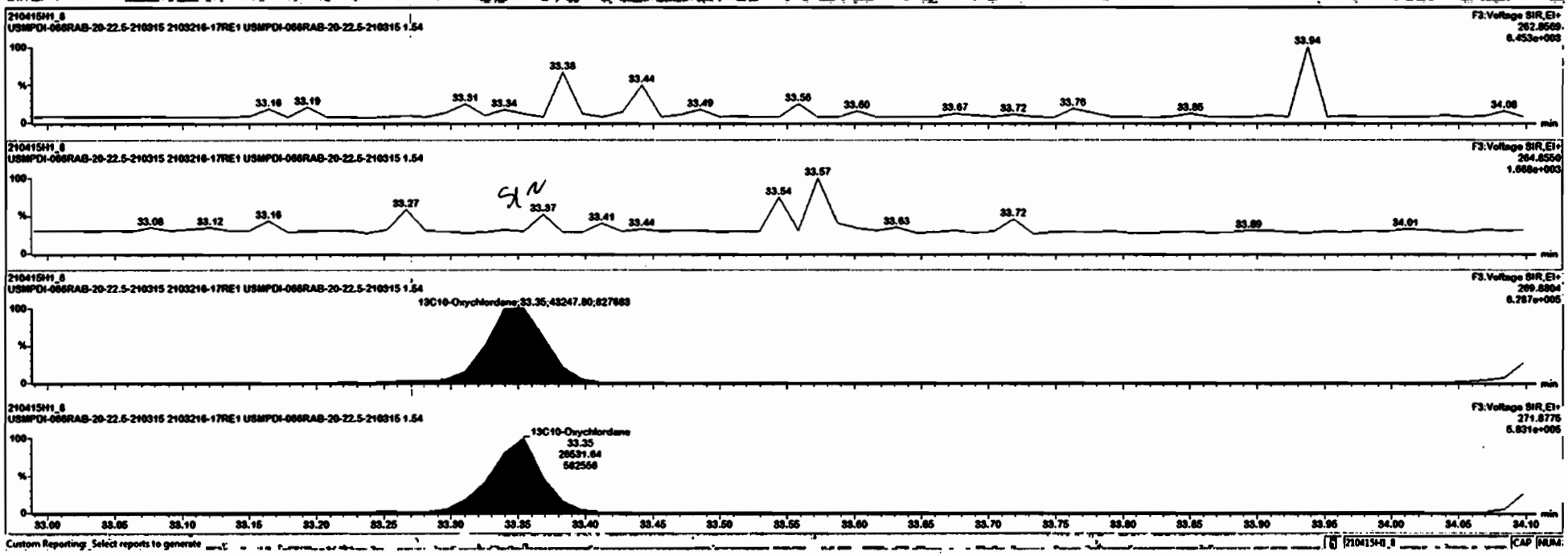
210415H1_8 - 2103216-17RE1 USMPDI-066RAB-20-22.5-210315 1.54 USMPDI-066RAB-20-22.5-210315

	#	Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred.RT	RRT	Pred.RRT	Check RRT	Conc	%Rec	DL	EMPC
1	1	Hexachlorobutadiene	2.87e4	2.36e6	0.25	YES	0.10	1.0953	9.98	9.99	1.001	1.002	NO	1075		0.922	383
2	2	Hexachlorobenzene	4.13e3	1.20e6	1.27	NO	0.98	1.0953	22.68	22.69	1.000	1.000	NO	3.194		0.0289	3.19
3	3	Alpha-BHC	3.41e2	3.88e5	0.90	YES	0.83	1.0953	23.19	23.26	0.999	1.001	NO	0.9893		1.44	0.678
4	4	Lindane (gamma-BHC)		3.09e5		NO	0.88	1.0953		26.58		1.000	YES			1.90	
5	5	Beta-BHC	3.84e2	2.23e5	2.04	NO	1.00	1.0953	28.50	28.61	1.001	1.001	NO	1.579		1.96	1.58
6	6	Delta-BHC		2.80e5		NO	0.91	1.0953		30.26		1.001	YES			1.58	
7	7	Heptachlor		1.84e5		NO	1.10	1.0953		28.72		1.001	YES			0.408	
8	8	4,4'-DDNU	5.74e2	2.80e5	0.78	YES	1.25	1.0953	30.32	30.17	1.003	0.998	NO	1.404		2.17	0.884
9	9	Aldrin	8.01e1	2.09e5	4.34	YES	1.09	1.0953	30.80	30.82	1.000	1.001	NO	0.3208		0.493	0.154
10	10	Oxychlordane		6.98e4		NO	1.08	1.0953		33.39		1.001	YES			1.41	
11	11	cis-Heptachlor Epoxide		8.95e4		NO	1.08	1.0953		34.16		1.001	YES			1.83	
12	12	trans-Heptachlor Epoxide		8.95e4		NO	0.29	1.0953		34.67		1.016	YES			3.80	
13	13	trans-Chlordane (gamma)		5.50e4		NO	1.14	1.0953		35.07		1.001	YES			1.39	
14	14	trans-Nonachlor		6.15e4		NO	1.08	1.0953		35.22		1.000	YES			1.45	



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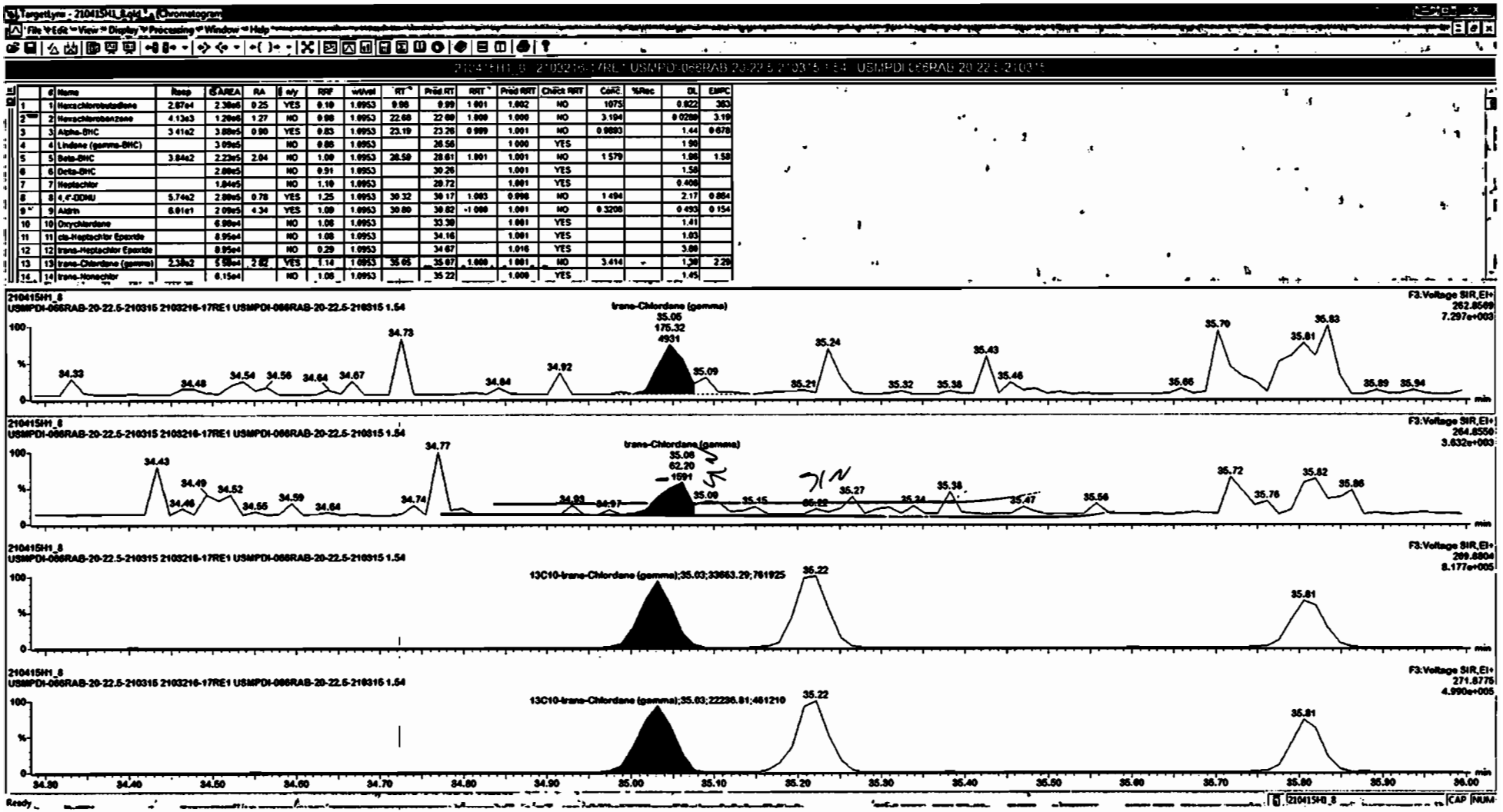
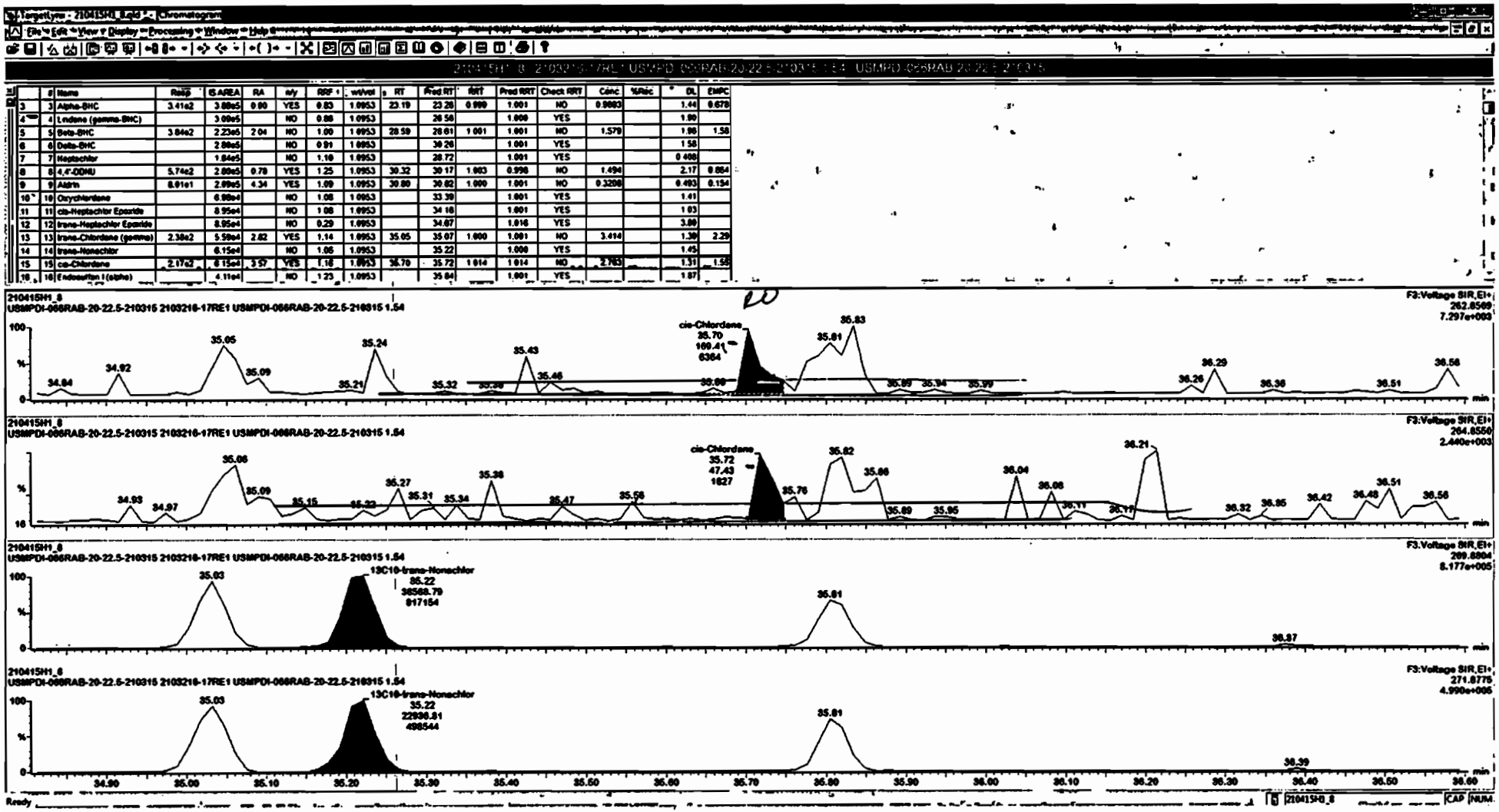
Work Order 2103216 Page 1336 of 2136



	d	Name	Resp	AREA	RA	d/y	RRF	wtVal	RT	Pred RT	RRT	Pred RRT	Check RRT	CalC	%Rec	DL	EMPC
1	1	Hexachlorobutadiene	2.67e4	2.38e5	0.25	YES	0.10	1.0953	9.98	9.99	1.001	1.002	NO	1075		0.822	383
2	2	Hexachlorobenzene	4.13e3	1.29e6	1.27	NO	0.98	1.0953	22.08	22.09	1.000	1.000	NO	3.194		0.0289	3.19
3	3	Alpha-BHC	3.41e2	3.88e5	0.90	YES	0.83	1.0953	23.19	23.26	0.999	1.001	NO	0.9893		1.44	0.678
4	4	Lindane (gamma-BHC)		3.09e5		NO	0.86	1.0953		26.56		1.000	YES			1.98	
5	5	Beta-BHC	3.84e2	2.23e5	2.04	NO	1.00	1.0953	28.59	28.61	1.001	1.001	NO	1.579		1.88	1.58
6	6	Delta-BHC		2.89e5		NO	0.91	1.0953		30.26		1.001	YES			1.58	
7	7	Heptachlor		1.84e5		NO	1.10	1.0953		28.72		1.001	YES			0.408	
8	8	4,4'-DDMU	5.74e2	2.89e5	0.78	YES	1.25	1.0953	30.32	30.17	1.003	0.998	NO	1.494		2.17	0.884
9	9	Aldrin	6.91e1	2.09e5	4.34	YES	1.00	1.0953	30.80	30.82	+1.000	1.001	NO	0.3208		0.493	0.154
10	10	Oxychlordane		6.98e4		NO	1.06	1.0953		33.30		1.001	YES			1.41	
11	11	cis-Heptachlor Epoxide		8.95e4		NO	1.08	1.0953		34.16		1.001	YES			1.03	
12	12	trans-Heptachlor Epoxide		8.95e4		NO	0.29	1.0953		34.67		1.016	YES			3.88	
13	13	trans-Chlordane (gamma)	2.38e2	5.58e4	2.62	YES	1.14	1.0953	35.05	35.07	1.000	1.001	NO	3.414		1.38	2.29
14	14	trans-Nonachlor		6.15e4		NO	1.06	1.0953		35.22		1.000	YES			1.45	



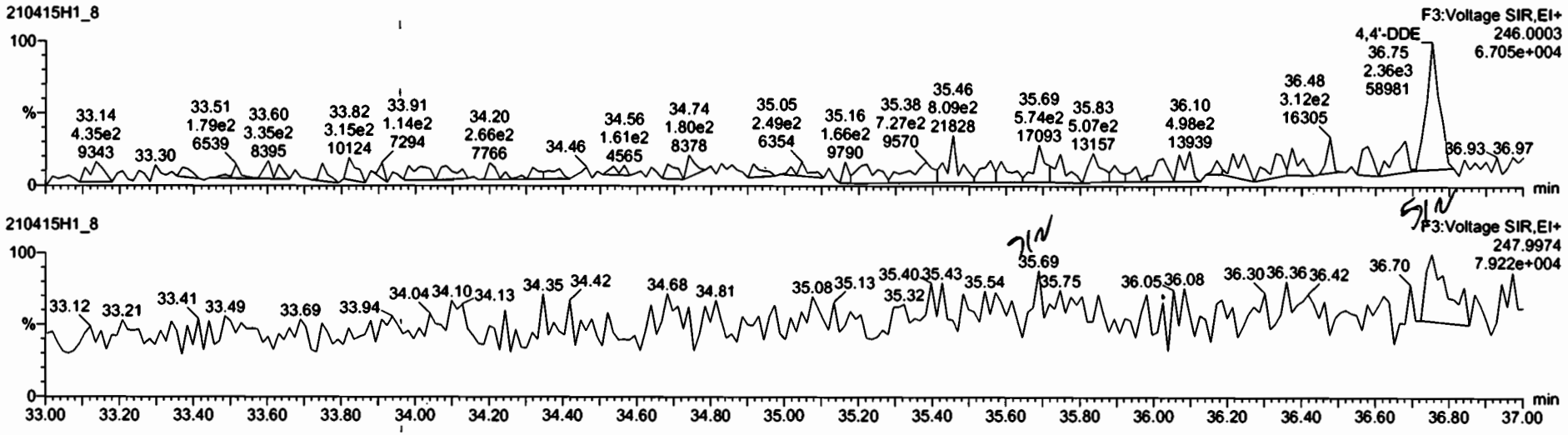
	#	Name	Resp	IS AREA	RA	rdy	RRF	wt/vol	s	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
3	3	Alpha-BHC	3.41e2	3.88e5	0.88	YES	0.83	1.0953		23.19	23.28	0.999	1.001	NO	0.9883		1.44	0.678
4	4	Lindane (gamma-BHC)		3.09e5		NO	0.88	1.0953			26.56		1.000	YES			1.90	
5	5	Beta-BHC	3.84e2	2.23e5	2.04	NO	1.00	1.0953		28.59	28.61	1.001	1.001	NO	1.579		1.98	1.58
6	6	Delta-BHC		2.88e5		NO	0.91	1.0953			30.26		1.001	YES			1.58	
7	7	Heptachlor		1.84e5		NO	1.10	1.0953			28.72		1.001	YES			0.408	
8	8	4,4'-DDMU	5.74e2	2.80e5	0.78	YES	1.25	1.0953		30.32	30.17	1.003	0.998	NO	1.494		2.17	0.864
9	9	Aldrin	8.81e1	2.89e5	4.34	YES	1.09	1.0953		30.80	30.82	1.000	1.001	NO	0.3208		0.493	0.134
10	10	Oxychlordane		6.98e4		NO	1.08	1.0953			33.39		1.001	YES			1.41	
11	11	cis-Heptachlor Epoxide		8.95e4		NO	1.08	1.0953			34.18		1.001	YES			1.03	
12	12	trans-Heptachlor Epoxide		8.95e4		NO	0.29	1.0953			34.87		1.016	YES			3.80	
13	13	trans-Chlordane (gamma)	2.38e2	5.58e4	2.82	YES	1.14	1.0953		35.05	35.07	1.000	1.001	NO	3.414		1.38	2.29
14	14	trans-Nonachlor		6.15e4		NO	1.06	1.0953			35.22		1.000	YES			1.45	
15	15	cis-Chlordane	2.17e2	8.15e4	3.57	YES	1.16	1.0953		35.70	35.72	1.014	1.014	NO	2.763		1.31	1.58
16	16	Endosulfan I (alpha)		4.11e4		NO	1.23	1.0953			35.84		1.001	YES			1.87	

Dataset: Untitled

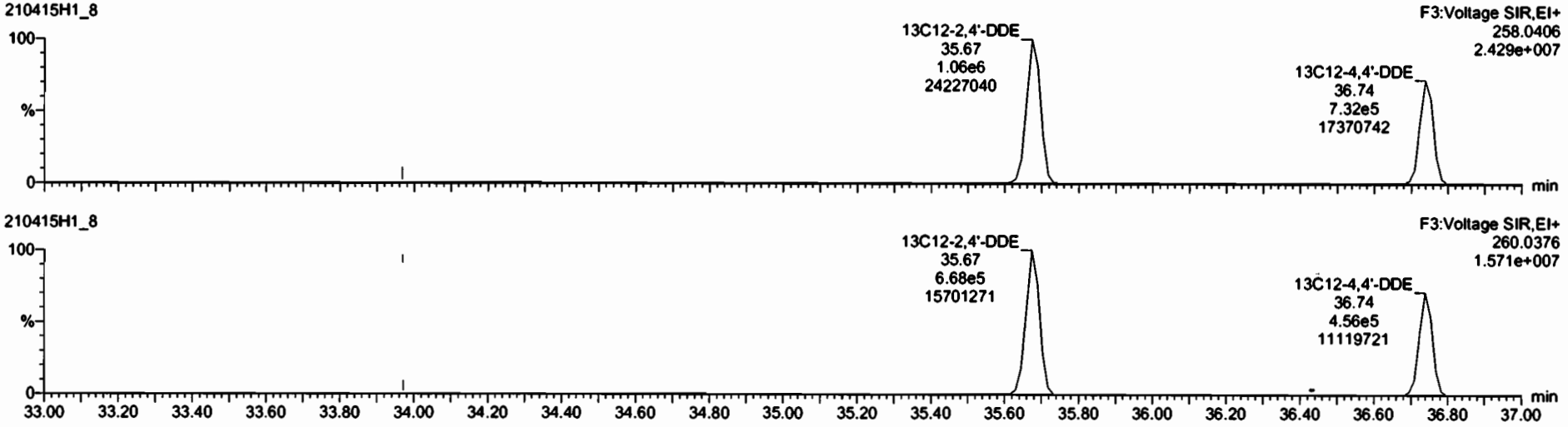
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

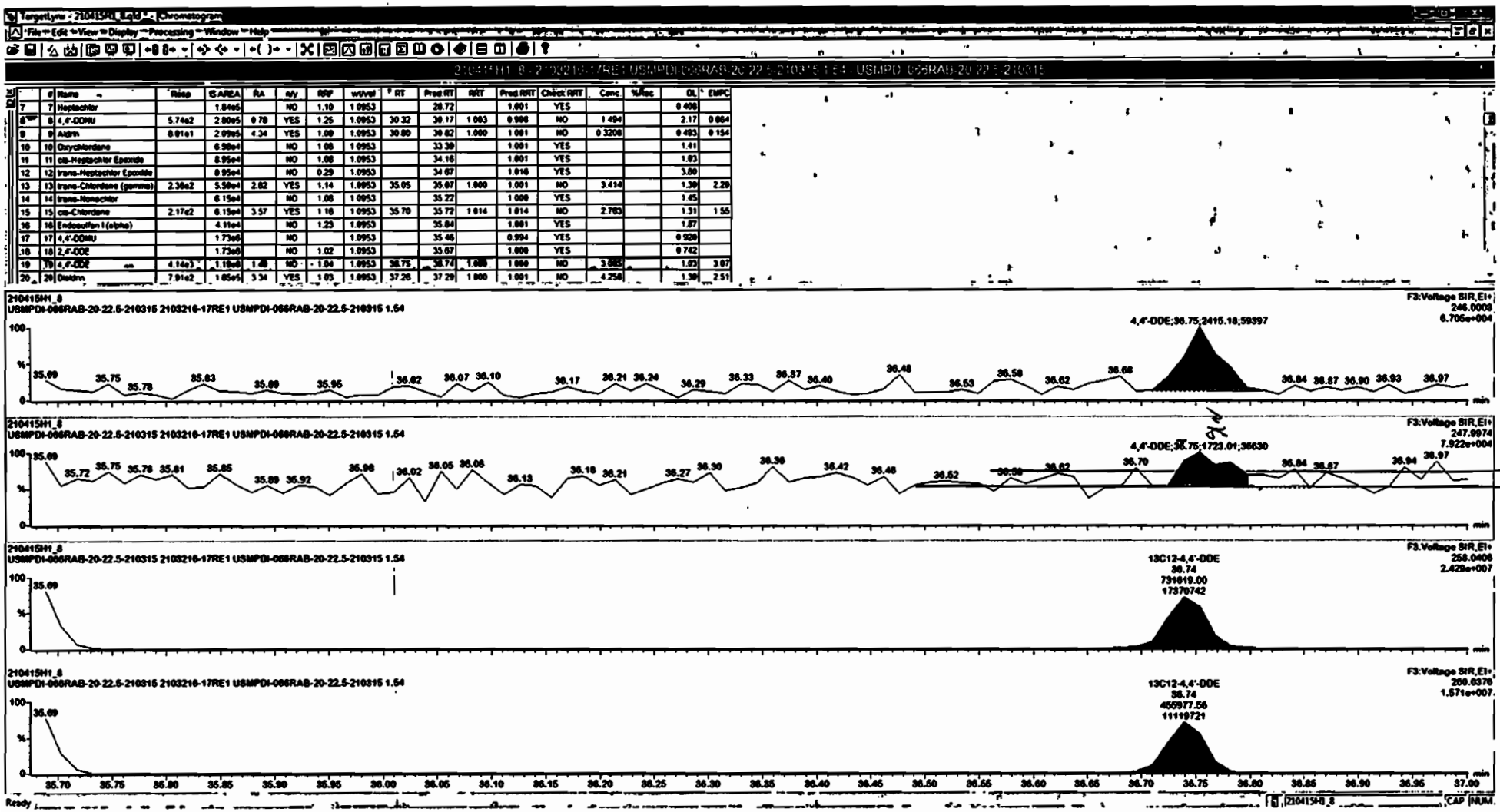
Name: 210415H1_8, Date: 15-Apr-2021, Time: 15:17:23, ID: 2103216-17RE1 USMPDI-066RAB-20-22.5-210315 1.54, Description: USMPDI-066RAB-20-22.5-210315

DDMU-DDE



DDE-isotopes




TargetLynx - 210415H1_8 - Chromatogram
File Edit View Display Processing Window Help
210415H1_8 - 2103216-17RE1 USMPDI-066RAB-20-22.5-210315 1.54 - USMPDI-066RAB-20-22.5-210315
4,4'-DDE;36.75;2415.18;59397
4,4'-DDE;36.75;1723.01;36630
13C12-4,4'-DDE
36.74
731619.00
17370742
13C12-4,4'-DDE
36.74
455977.56
11119721
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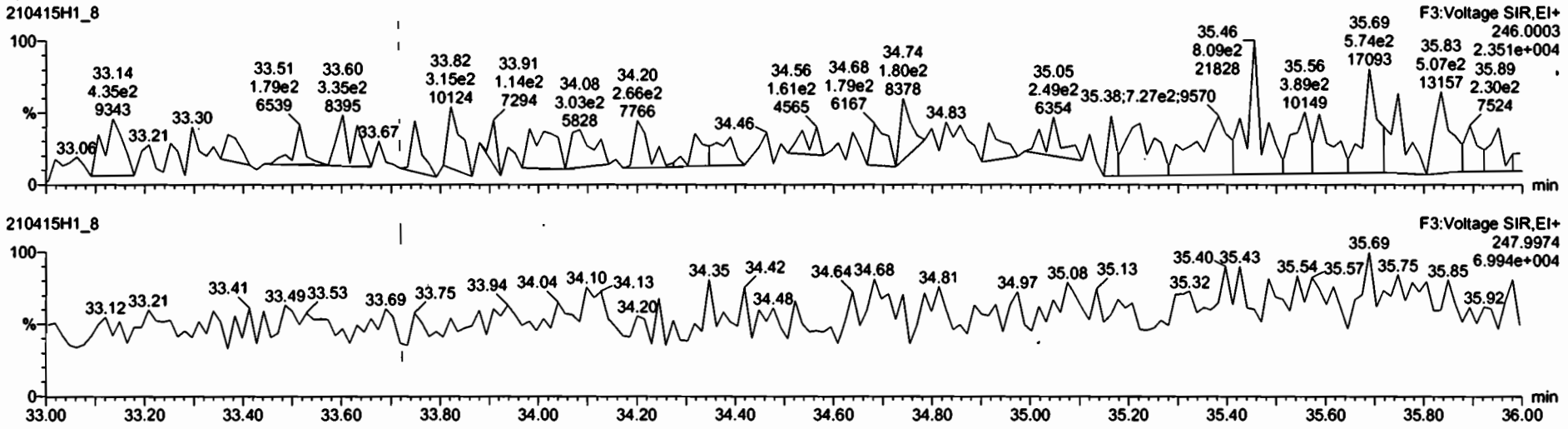
Dataset: Untitled

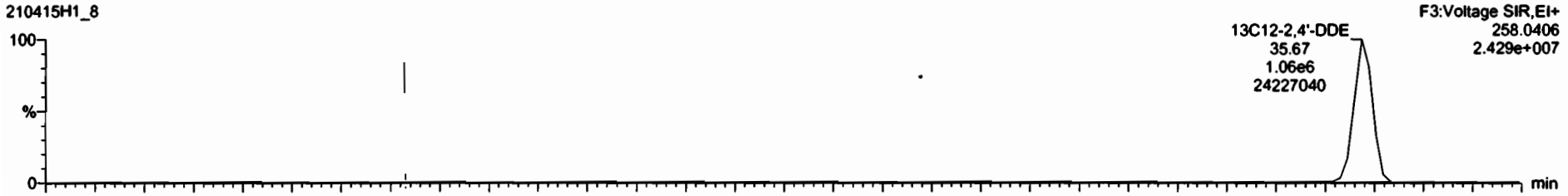
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

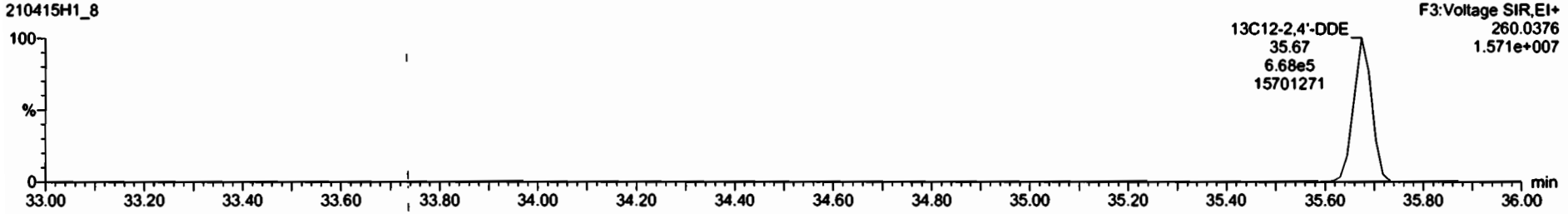
Name: 210415H1_8, Date: 15-Apr-2021, Time: 15:17:23, ID: 2103216-17RE1 USMPDI-066RAB-20-22.5-210315 1.54, Description: USMPDI-066RAB-20-22.5-210315

2,4'-DDE



13C12-2,4'-DDE





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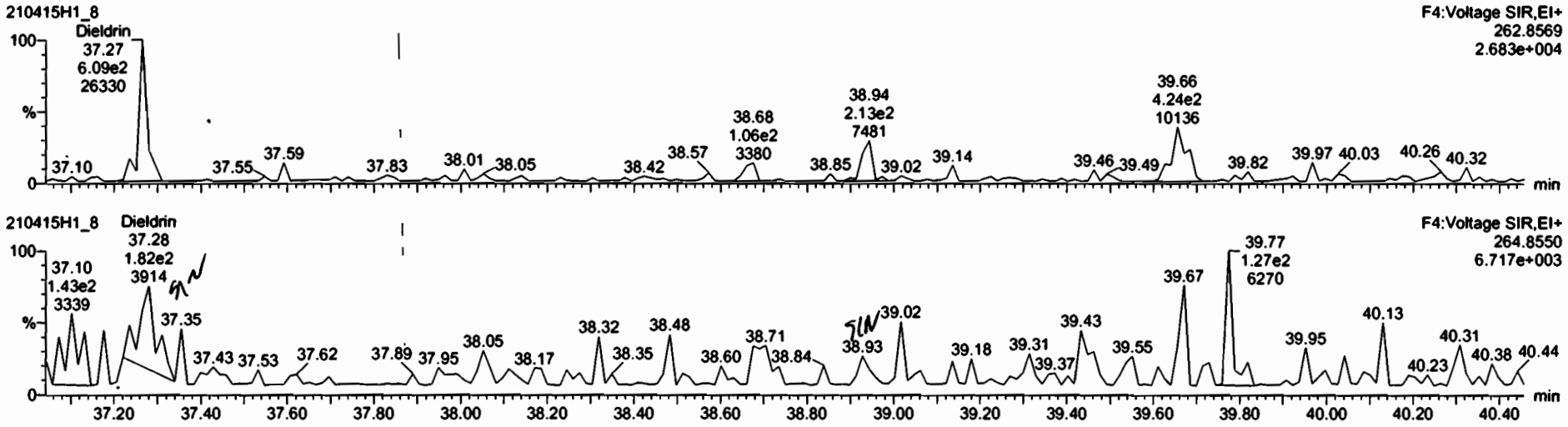
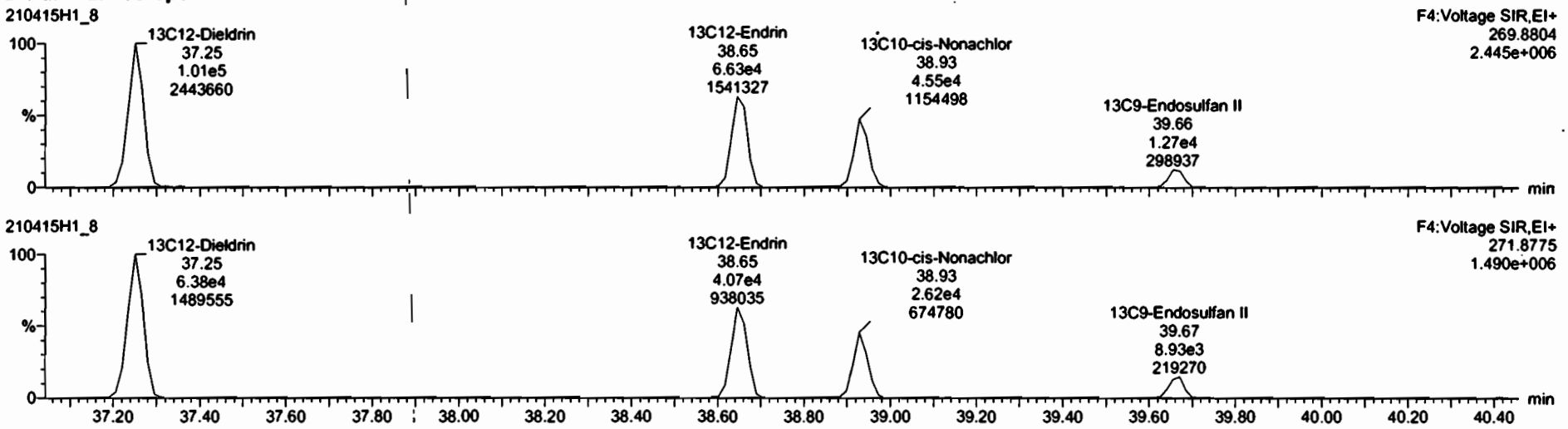
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_8, Date: 15-Apr-2021, Time: 15:17:23, ID: 2103216-17RE1 USMPDI-066RAB-20-22.5-210315 1.54, Description: USMPDI-066RAB-20-22.5-210315

Dieldrin-EII



Dieldrin-EII-isotopes

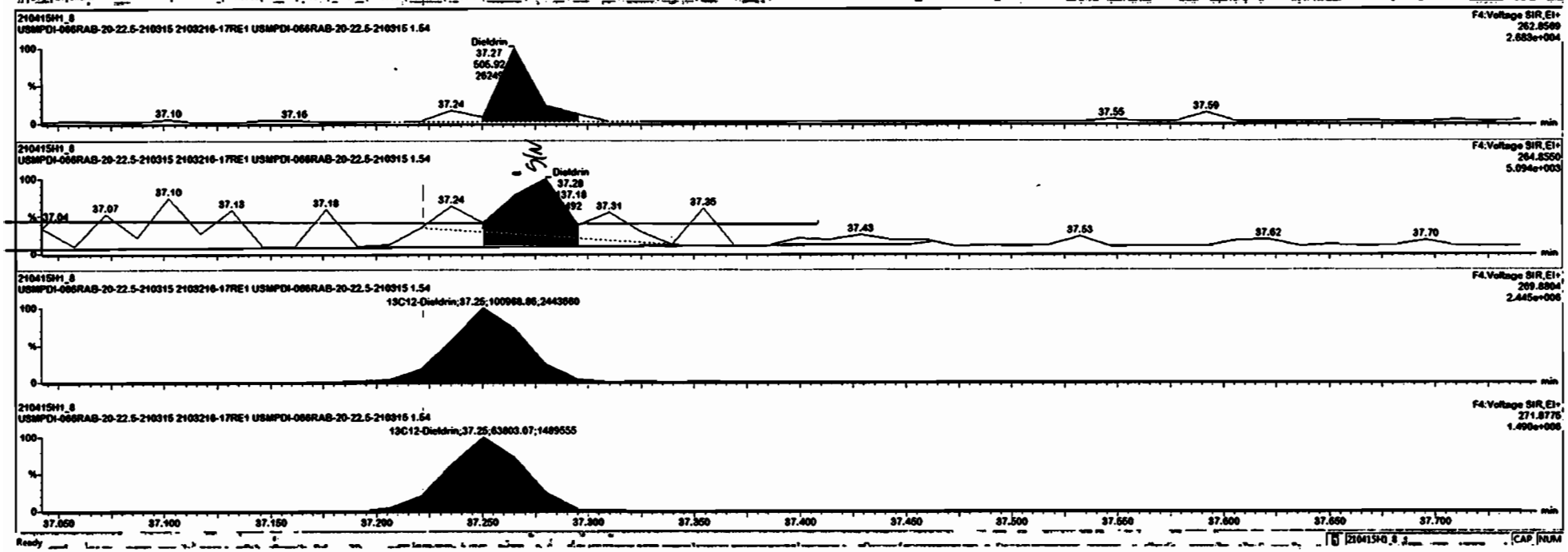


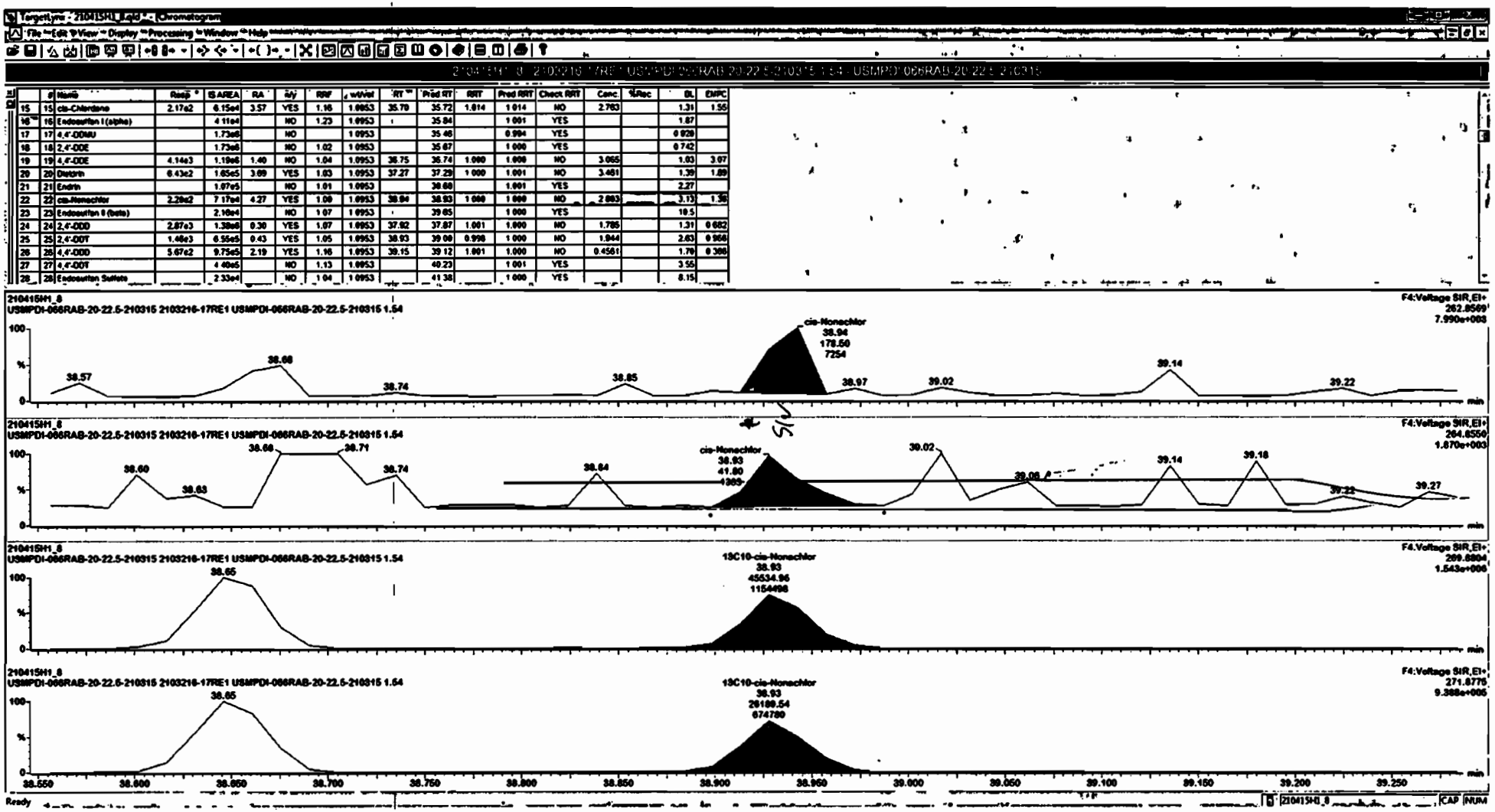
TargetLynx - 210415H1_8.qld - Chromatogram

File Edit View Display Processing Window Help

210415H1_8 - 2103216-17RE1 USMPDI-066RAB-20-22.5-210315 1.54 USMPDI-066RAB-20-22.5-210315

	#	Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
8	8	4,4'-DDMU	5.74e2	2.80e5	0.78	YES	1.25	1.0953	30.32	30.17	1.003	0.998	NO	1.494		2.17	0.864
9	9	Aldrin	6.01e1	2.09e5	4.34	YES	1.09	1.0953	30.80	30.82	1.000	1.001	NO	0.3208		0.493	0.154
10	10	Oxychlordane		6.98e4		NO	1.08	1.0953		33.30		1.001	YES			1.41	
11	11	cis-Heptachlor Epoxide		8.95e4		NO	1.08	1.0953		34.16		1.001	YES			1.03	
12	12	trans-Heptachlor Epoxide		8.95e4		NO	0.29	1.0953		34.67		1.016	YES			3.80	
13	13	trans-Chlordane (gamma)	2.38e2	5.59e4	2.82	YES	1.14	1.0953	35.05	35.07	1.000	1.001	NO	3.414		1.39	2.29
14	14	trans-Nonachlor		6.15e4		NO	1.06	1.0953		35.22		1.000	YES			1.45	
15	15	cis-Chlordane	2.17e2	6.15e4	3.57	YES	1.16	1.0953	35.70	35.72	1.014	1.014	NO	2.763		1.31	1.55
16	16	Endosulfan I (alpha)		4.11e4		NO	1.23	1.0953		35.84		1.001	YES			1.67	
17	17	4,4'-DDMU		1.73e6		NO		1.0953		35.48		0.994	YES			0.920	
18	18	2,4'-DDE		1.73e6		NO	1.02	1.0953		35.67		1.000	YES			0.742	
19	19	4,4'-DDE	4.14e3	1.19e6	1.40	NO	1.04	1.0953	36.75	36.74	1.000	1.000	NO	3.065		1.03	3.07
20	20	Dieldrin	6.43e2	1.65e5	3.60	YES	1.03	1.0953	37.27	37.29	1.000	1.001	NO	3.461		1.30	1.88
21	21	Endrin		1.07e5		NO	1.01	1.0953		38.68		1.001	YES			2.27	



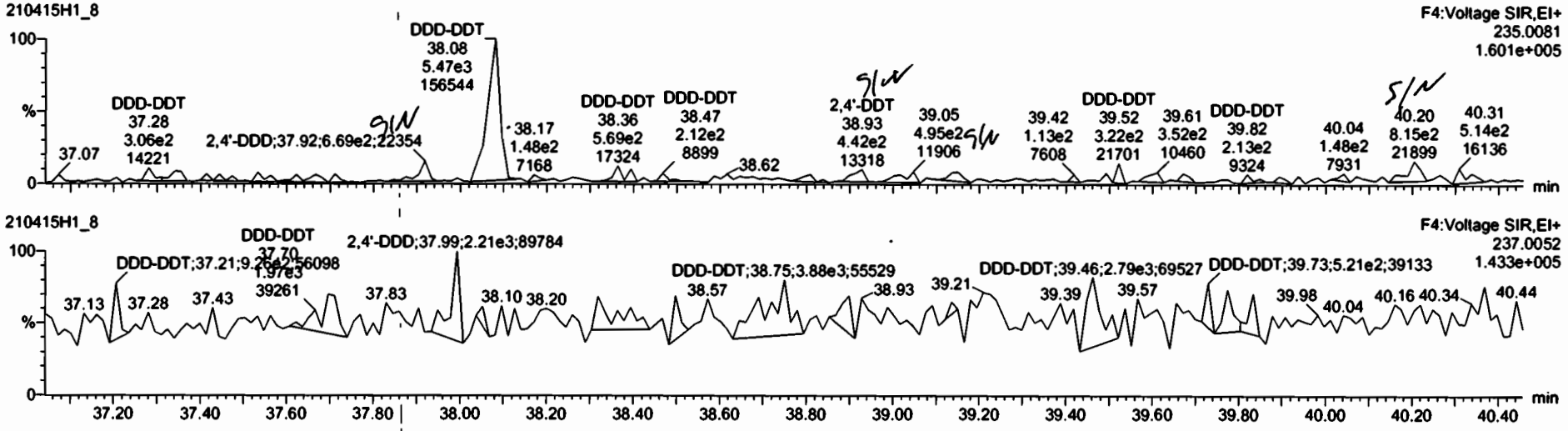

Targetlynx - 210415H1_.qld - Chromatogram
File Edit View Display Processing Window Help
210415H1_8 2103216-17RE1 USMPDI-066RAB-20-22.5-210315 1.54 - USMPDI-066RAB-20-22.5-210315
cis-Nonachlor
38.94
178.56
7254
38.57
38.66
38.74
38.85
38.97
39.02
39.14
39.22
F4:Voltage SIR,EI+
262.9569
7.990e+003
cis-Nonachlor
38.93
41.80
1369
38.60
38.63
38.66
38.71
38.74
38.84
39.02
39.08
39.14
39.18
39.22
39.27
F4:Voltage SIR,EI+
264.8556
1.870e+003
13C10-cis-Nonachlor
38.93
45534.96
1154498
38.65
F4:Voltage SIR,EI+
269.8804
1.543e+006
13C10-cis-Nonachlor
38.93
28188.54
674789
38.65
F4:Voltage SIR,EI+
271.8775
9.388e+005
Ready
CAP
NUM

Dataset: Untitled

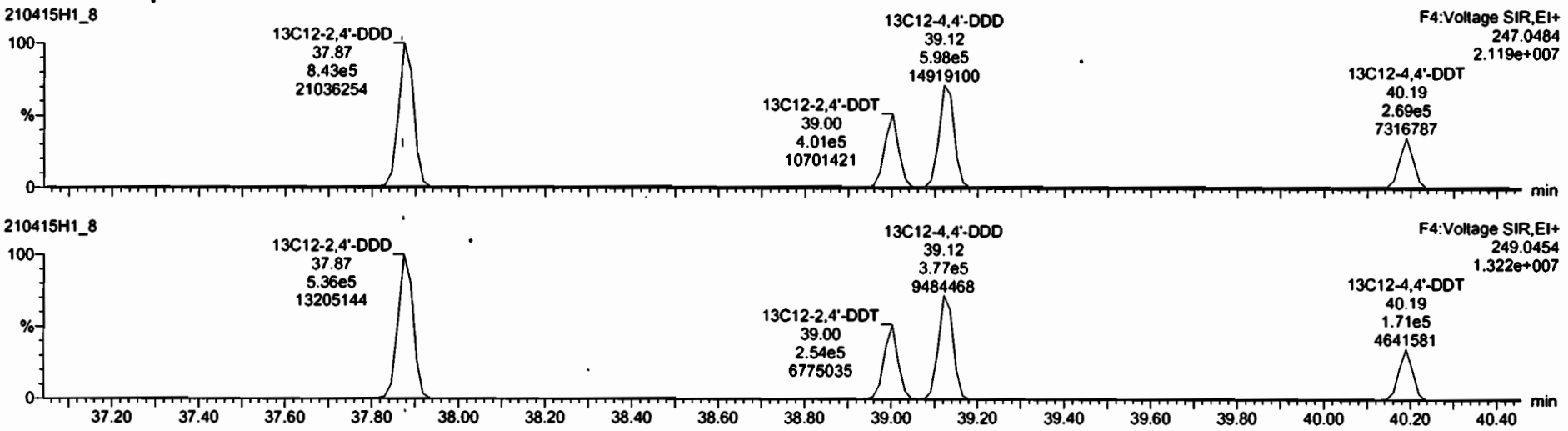
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_8, Date: 15-Apr-2021, Time: 15:17:23, ID: 2103216-17RE1 USMPDI-066RAB-20-22.5-210315 1.54, Description: USMPDI-066RAB-20-22.5-210315

DDD-DDT



DDD-DDT-isotopes



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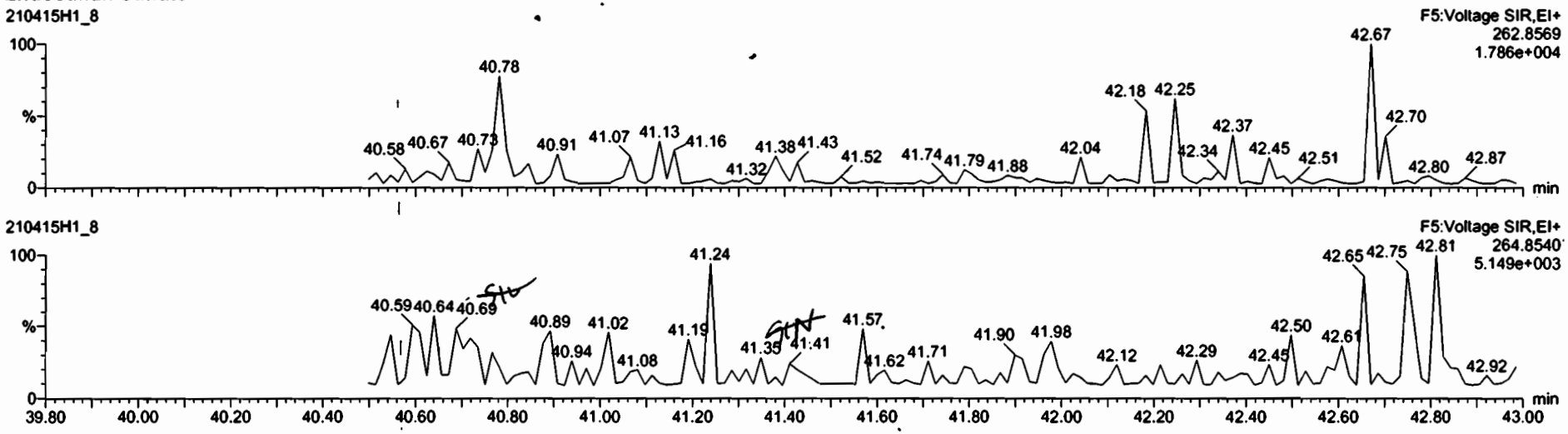
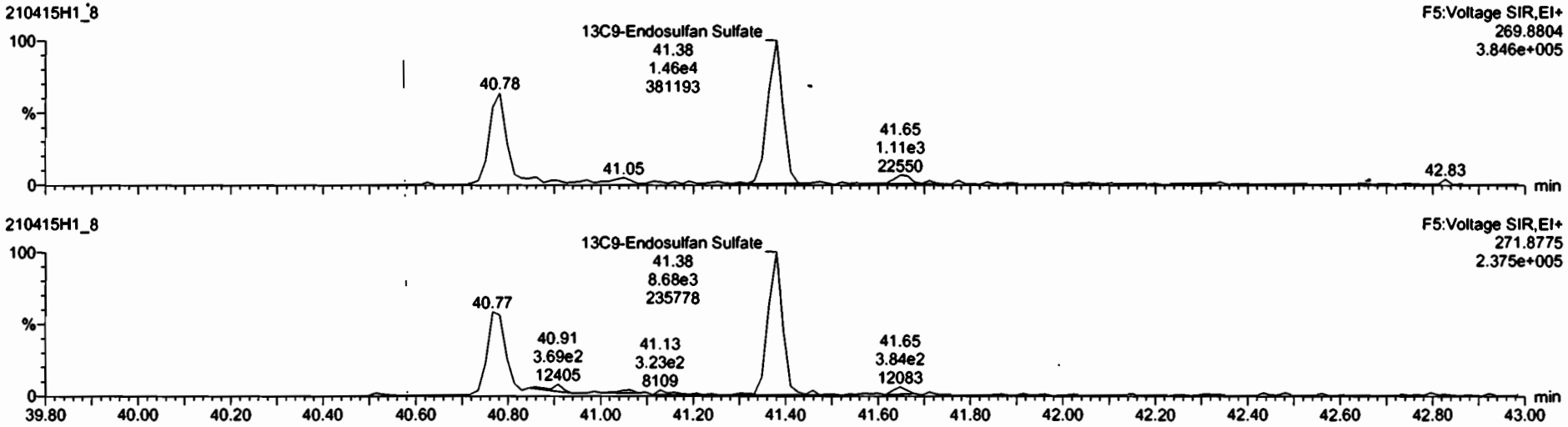
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_8, Date: 15-Apr-2021, Time: 15:17:23, ID: 2103216-17RE1 USMPDI-066RAB-20-22.5-210315 1.54, Description: USMPDI-066RAB-20-22.5-210315

Endosulfan Sulfate



13C9-Endosulfan Sulfate



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Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

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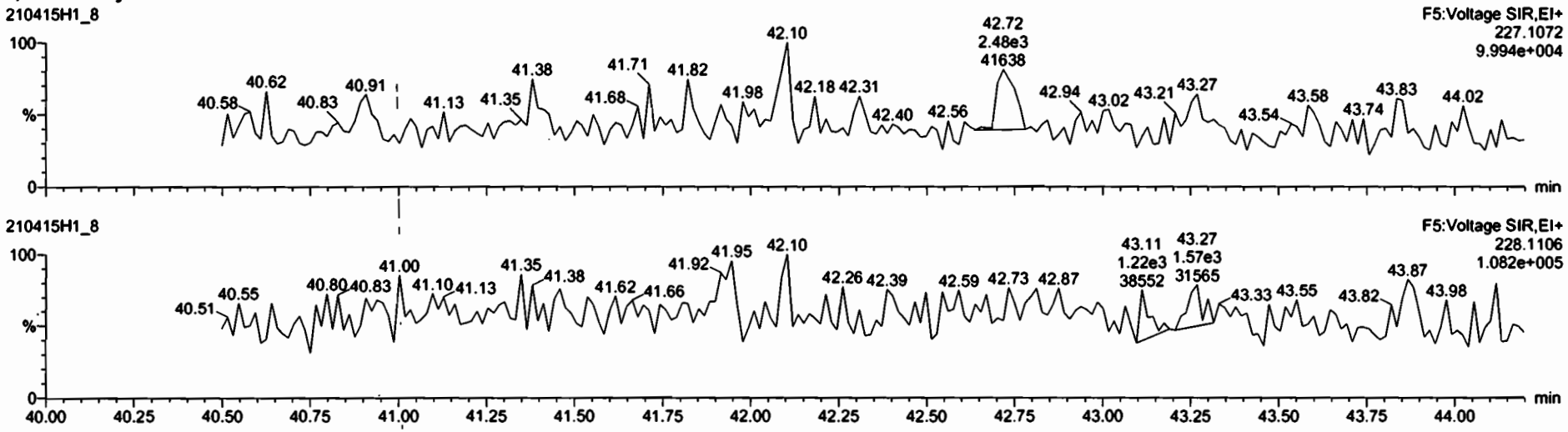
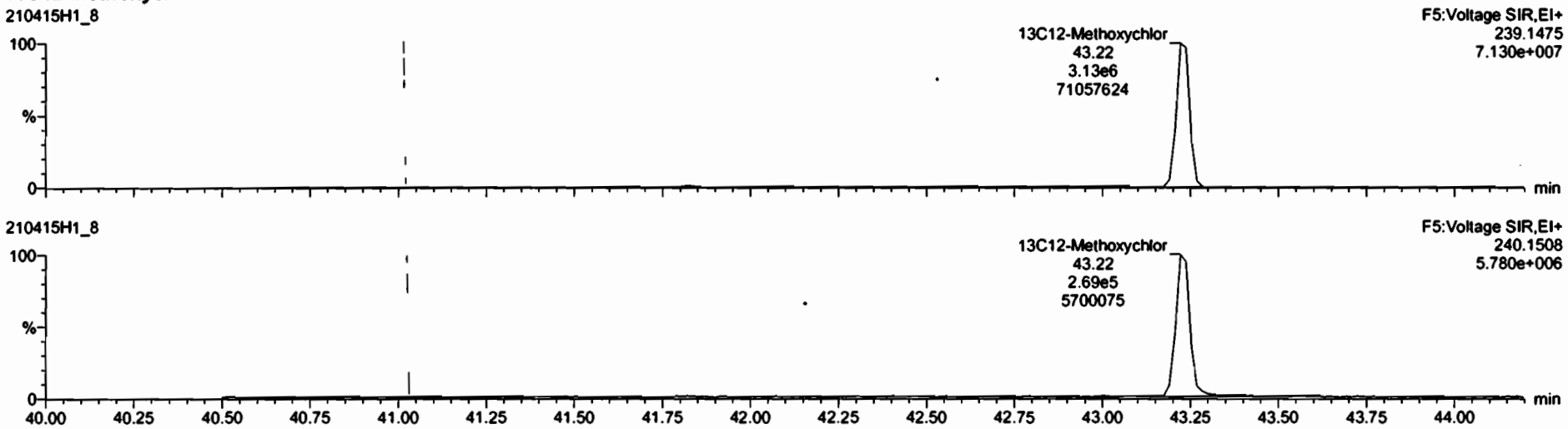
4,4'-Methoxychlor



13C12-Methoxychlor



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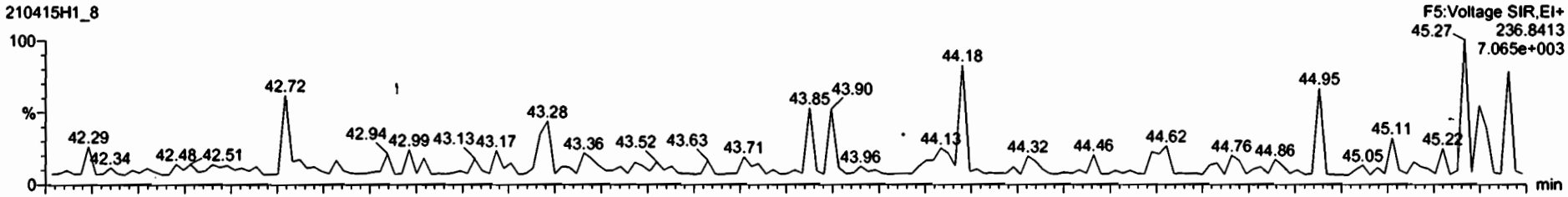
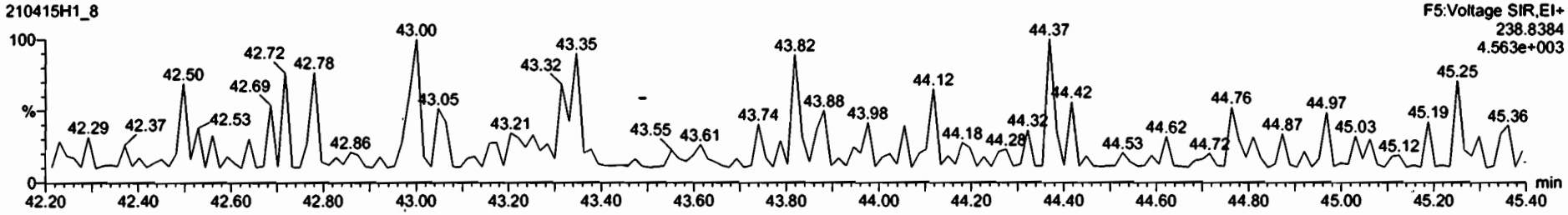
Mirex





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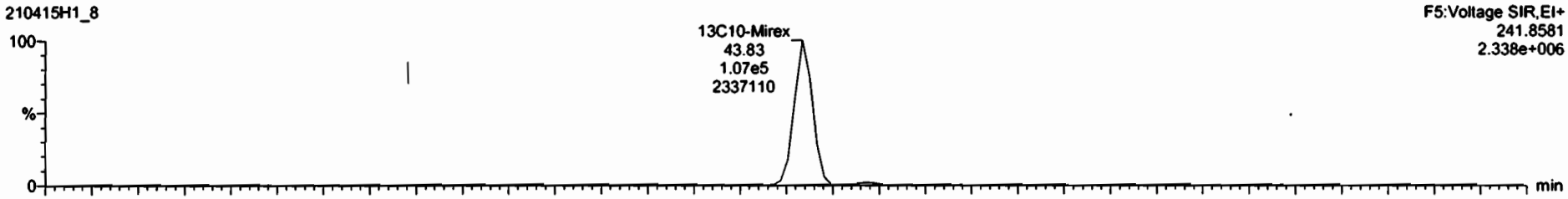

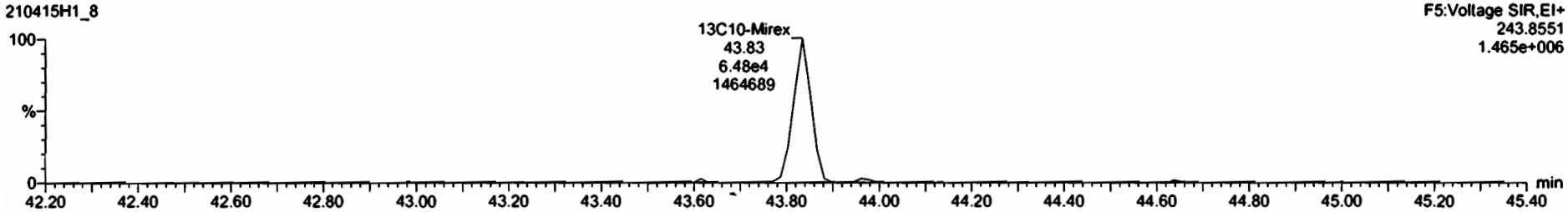

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Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

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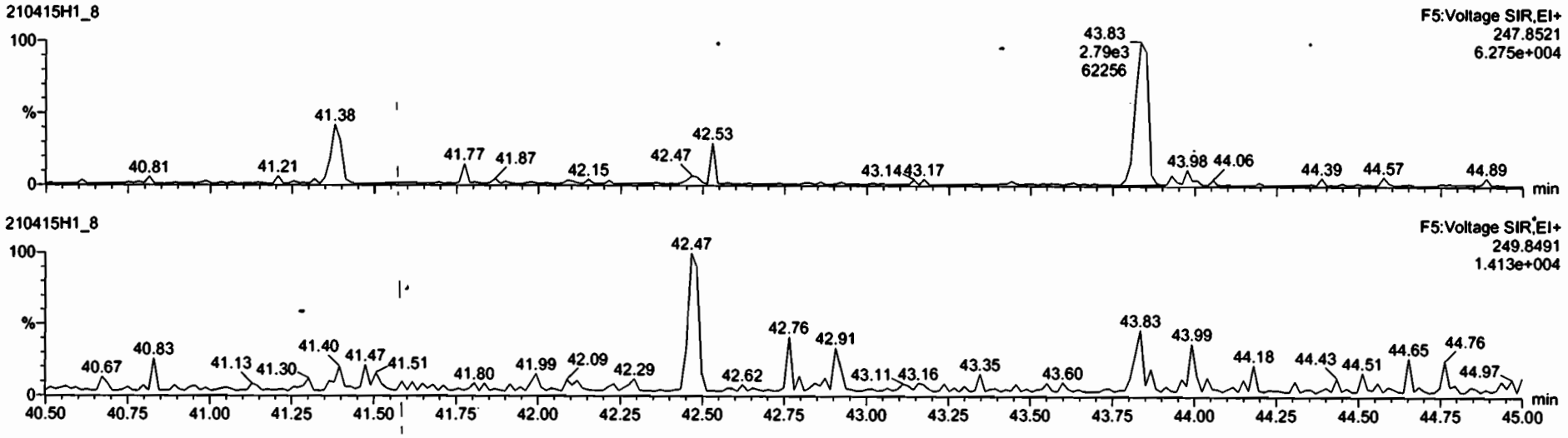
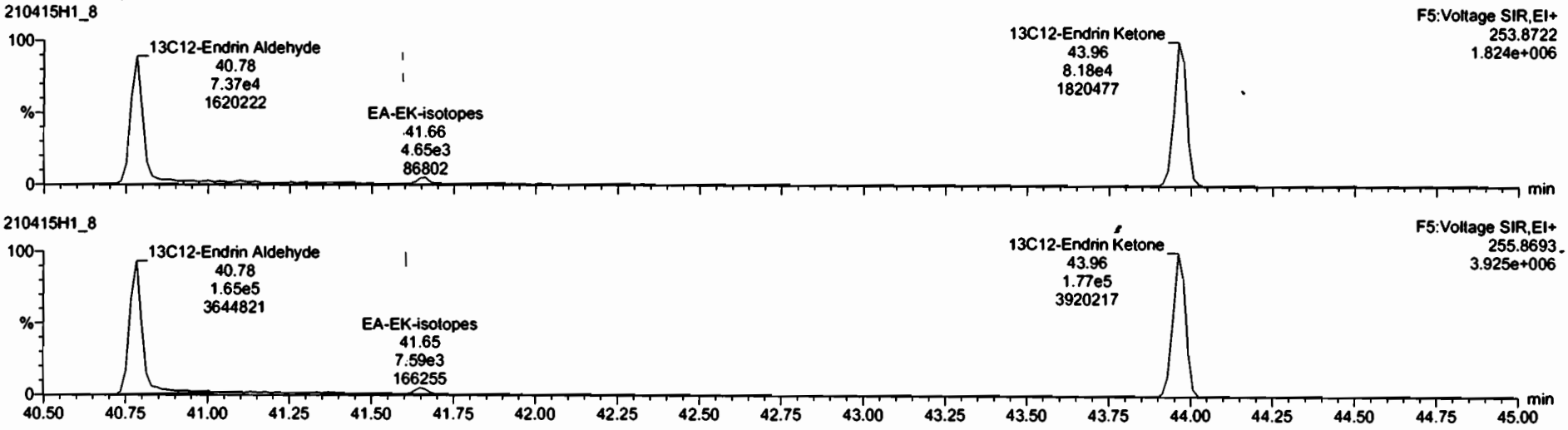
EA-EK



EA-EK-isotopes



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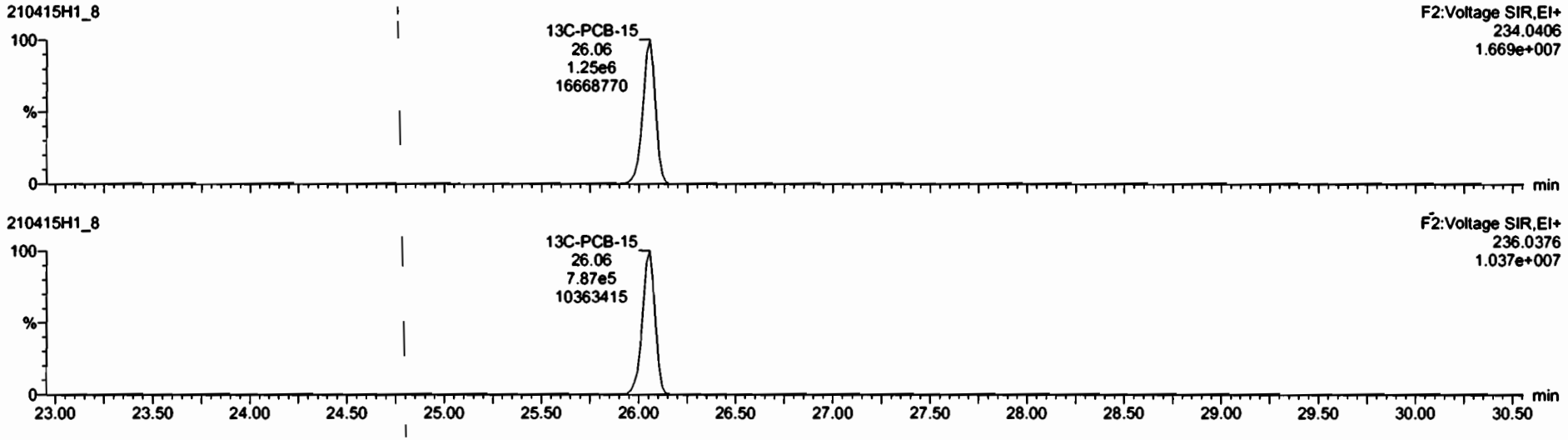
Name: 210415H1_8, Date: 15-Apr-2021, Time: 15:17:23, ID: 2103216-17RE1 USMPDI-066RAB-20-22.5-210315 1.54, Description: USMPDI-066RAB-20-22.5-210315

13C-PCB-15



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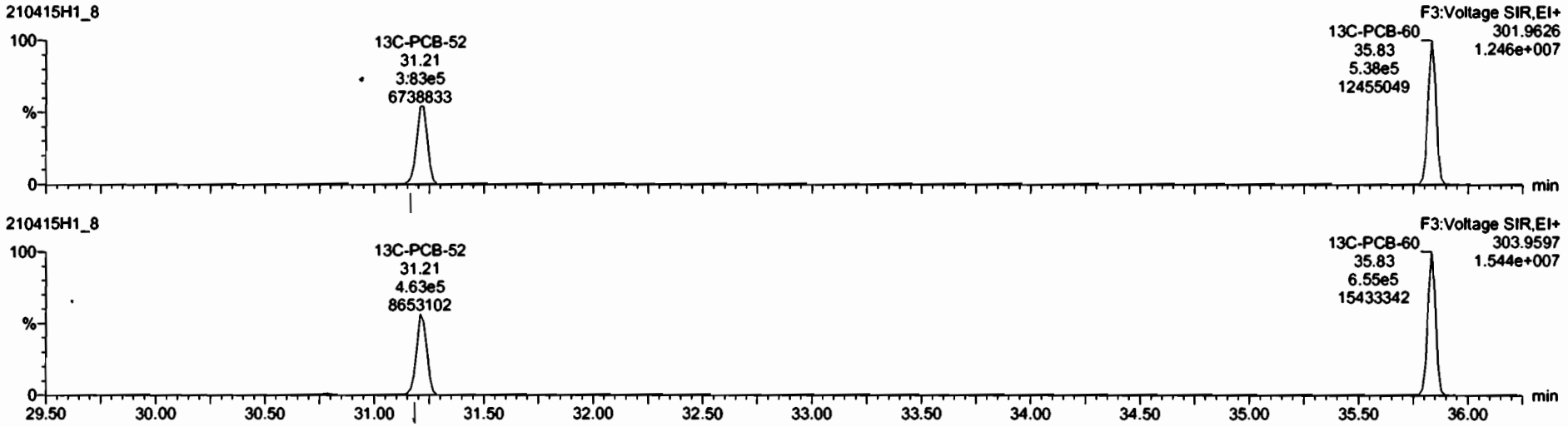

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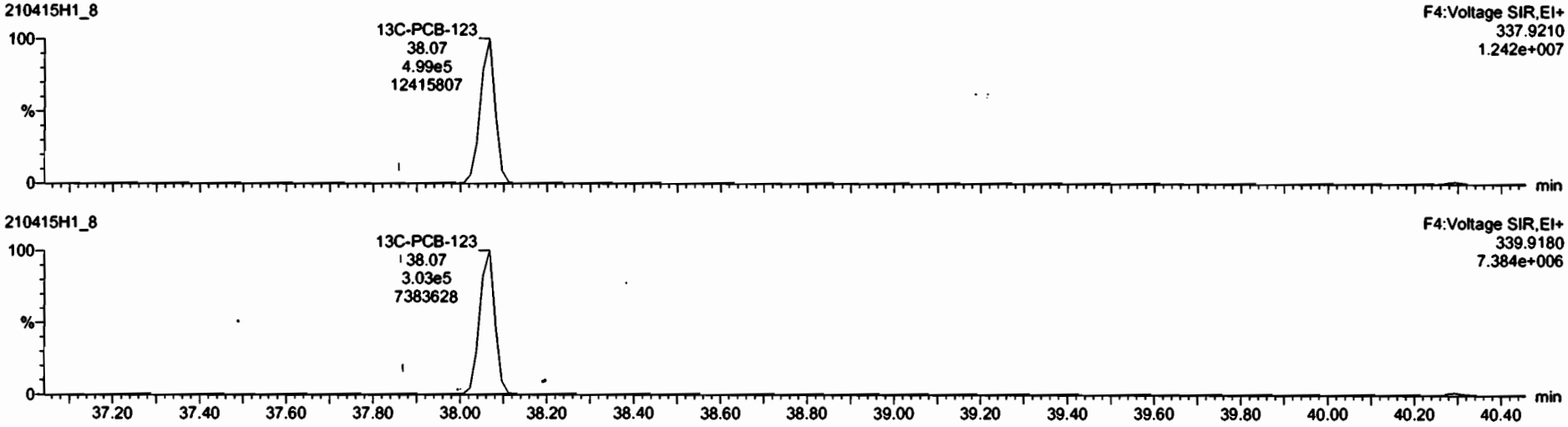
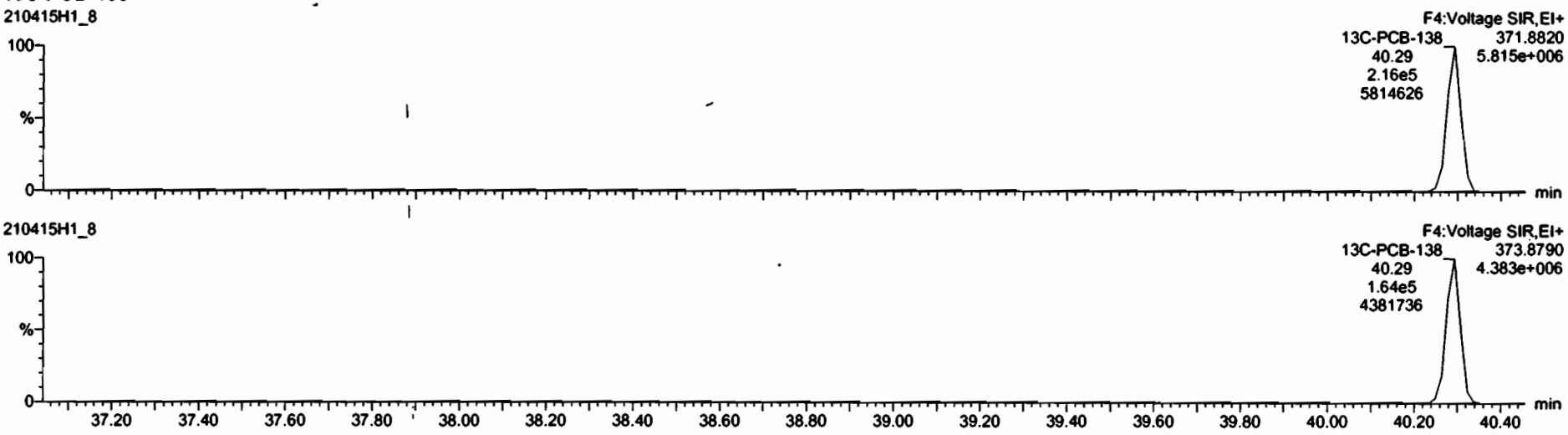
13C-PCB-123



13C-PCB-138



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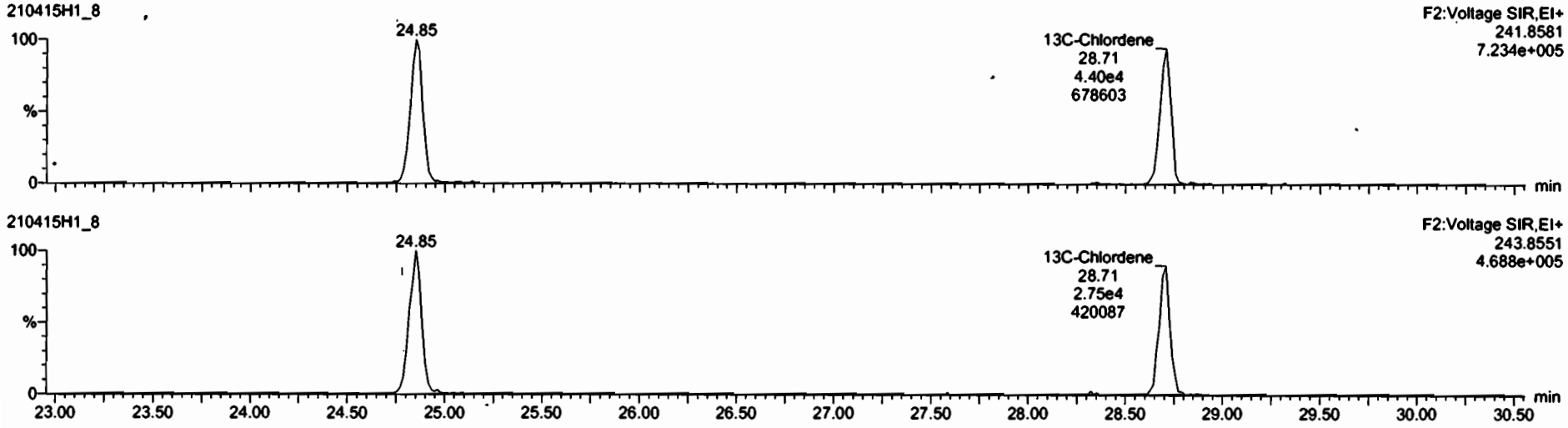
Name: 210415H1_8, Date: 15-Apr-2021, Time: 15:17:23, ID: 2103216-17RE1 USMPDI-066RAB-20-22.5-210315 1.54, Description: USMPDI-066RAB-20-22.5-210315

13C-Chlordene



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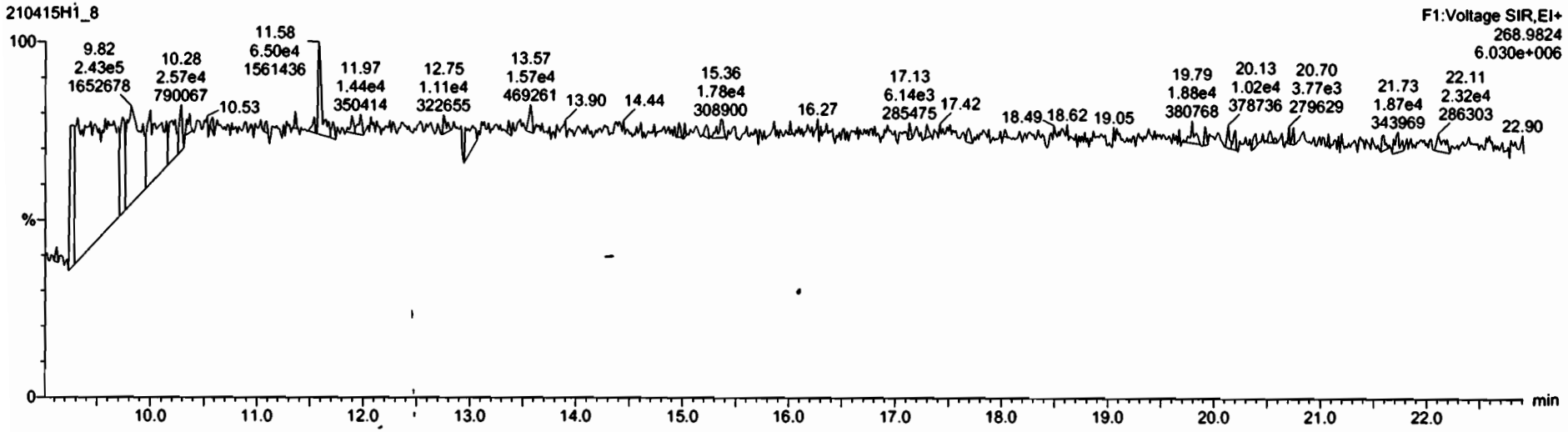

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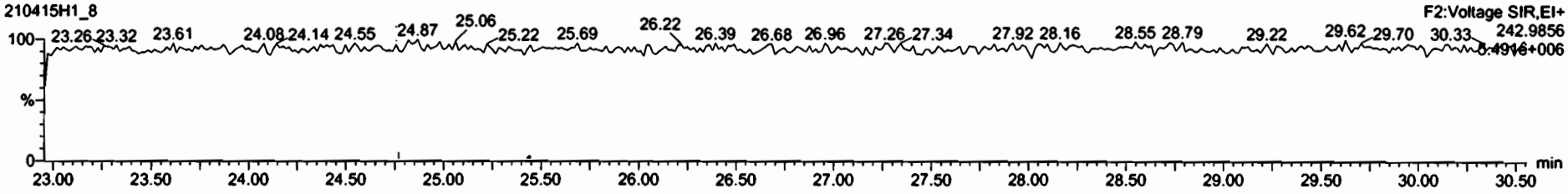
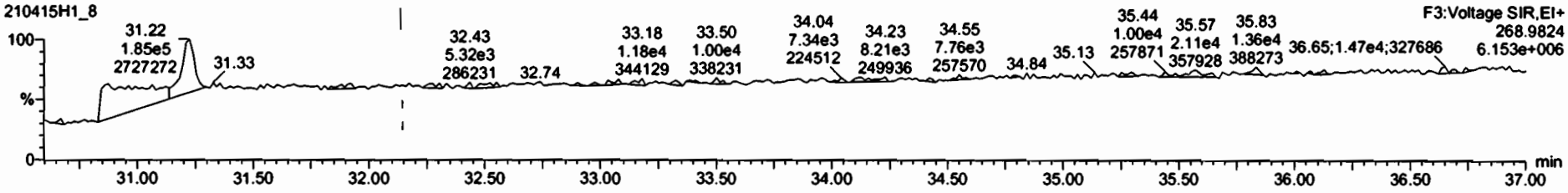
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_8, Date: 15-Apr-2021, Time: 15:17:23, ID: 2103216-17RE1 USMPDI-066RAB-20-22.5-210315 1.54, Description: USMPDI-066RAB-20-22.5-210315

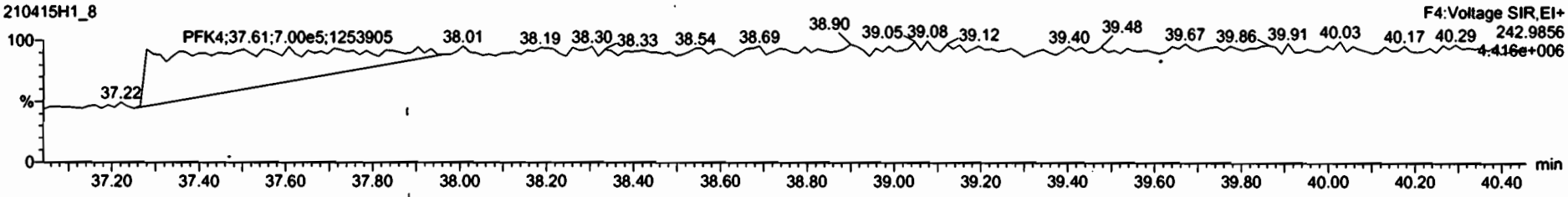
PFK2



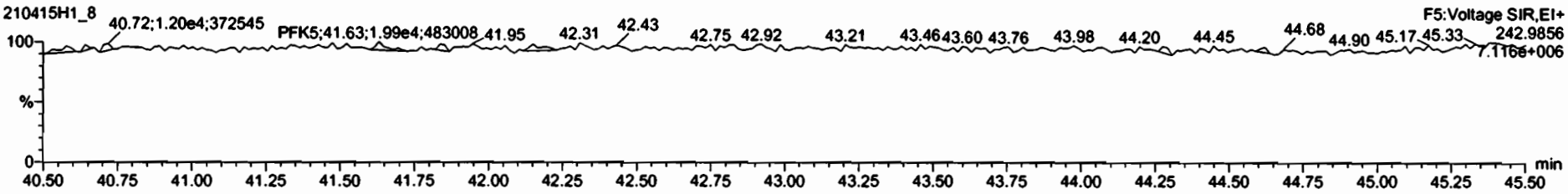
PFK3



PFK4



PFK5



Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_7.qld

Last Altered: Monday, April 19, 2021 10:03:49 Pacific Daylight Time
Printed: Monday, April 19, 2021 10:04:30 Pacific Daylight Time

OC 04/28/21
DF04/19/21

05/27/2021

Method: Untitled 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210415H1_7, Date: 15-Apr-2021, Time: 14:29:04, ID: 2103216-18RE1 USMPDI-067RAB-00-10-210316 1.4, Description: USMPDI-067RAB-00-10-210316, Task: ST210415H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	4	Lindane (gamma-...		3.57e5		NO	0.860	1.095			1.000	YES			2.29	
2	9	Aldrin		2.34e5		NO	1.09	1.095			1.001	YES			0.741	
3	10	Oxychlordane		7.17e4		NO	1.06	1.095			1.001	YES			2.16	
4	13	trans-Chlordane (g...	5.89e2	5.38e4	0.81	YES	1.14	1.095	35.06	1.001	1.001	NO	8.9032		2.81	6.44
5	14	trans-Nonachlor	1.55e3	5.71e4	1.67	NO	1.06	1.095	35.24	1.000	1.000	NO	23.358		2.44	23.4
6	15	cis-Chlordane	8.41e2	5.71e4	3.52	YES	1.16	1.095	35.73	1.014	1.014	NO	11.556		2.22	6.54
7	18	2,4'-DDE	1.03e4	1.65e6	1.51	NO	1.02	1.095	35.70	1.000	1.000	NO	5.5316		0.946	5.53
8	19	4,4'-DDE	2.92e5	1.08e6	1.52	NO	1.04	1.095	36.75	1.000	1.000	NO	238.71		1.30	239
9	20	Dieldrin	1.05e3	1.45e5	1.34	NO	1.03	1.095	37.28	1.001	1.001	NO	6.4063		1.99	6.41
10	22	cis-Nonachlor		5.54e4		NO	1.00	1.095			1.000	YES			4.50	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_7.qld

Last Altered: Monday, April 19, 2021 10:03:49 Pacific Daylight Time
Printed: Monday, April 19, 2021 10:04:43 Pacific Daylight Time

Method: Untitled 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210415H1_7, Date: 15-Apr-2021, Time: 14:29:04, ID: 2103216-18RE1 USMPDI-067RAB-00-10-210316 1.4, Description: USMPDI-067RAB-00-10-210316, Task: ST210415H1_1

	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	24 2,4'-DDD	2.07e4	1.21e6	1.24	NO	1.07	1.095	37.89	1.000	1.000	NO	14.673		1.79	14.7
2	25 2,4'-DDT	8.99e4	5.28e5	1.50	NO	1.05	1.095	39.02	1.000	1.000	NO	148.58		3.77	149
3	26 4,4'-DDD	3.04e4	7.63e5	1.50	NO	1.16	1.095	39.14	1.000	1.000	NO	31.253		2.57	31.3
4	27 4,4'-DDT	5.00e5	3.20e5	1.62	NO	1.13	1.095	40.20	1.000	1.001	NO	1258.2		5.51	1260
5	36 13C6-Lindane (ga...	3.57e5	2.18e6	0.79	NO	0.194	1.095	26.57	1.020	1.019	NO	772.38	84.6	2.12	
6	40 13C12-Aldrin	2.34e5	2.18e6	1.52	NO	0.154	1.095	30.79	1.182	1.181	NO	636.81	69.7	1.63	
7	41 13C10-Oxychlorda...	7.17e4	2.18e6	1.58	NO	0.0404	1.095	33.35	1.280	1.280	NO	743.99	81.5	6.23	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_7.qld

Last Altered: Monday, April 19, 2021 10:03:49 Pacific Daylight Time
Printed: Monday, April 19, 2021 10:04:55 Pacific Daylight Time

Method: Untitled 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210415H1_7, Date: 15-Apr-2021, Time: 14:29:04, ID: 2103216-18RE1 USMPDI-067RAB-00-10-210316 1.4, Description: USMPDI-067RAB-00-10-210316, Task: ST210415H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	43	13C10-trans-Chlor...	5.38e4	2.18e6	1.60	NO	0.0358	1.095	35.03	1.344	1.344	NO	629.42	68.9	7.03	
2	44	13C10-trans-Nona...	5.71e4	1.09e6	1.63	NO	0.0638	1.095	35.22	0.983	0.983	NO	747.14	81.8	4.81	
3	46	13C12-2,4'-DDE	1.65e6	1.09e6	1.58	NO	1.43	1.095	35.69	0.996	0.995	NO	963.14	105	1.03	
4	47	13C12-4,4'-DDE	1.08e6	1.09e6	1.58	NO	0.995	1.095	36.74	1.025	1.026	NO	904.74	99.1	1.48	
5	48	13C12-Dieldrin	1.45e5	1.09e6	1.67	NO	0.146	1.095	37.25	1.040	1.040	NO	827.08	90.6	4.36	
6	50	13C10-cis-Nonach...	5.54e4	1.09e6	1.50	NO	0.0791	1.095	38.93	1.086	1.087	NO	584.84	64.0	8.06	
7	52	13C12-2,4'-DDD	1.21e6	1.09e6	1.60	NO	1.35	1.095	37.87	1.057	1.057	NO	747.20	81.8	2.34	
8	53	13C12-2,4'-DDT	5.28e5	1.09e6	1.59	NO	0.962	1.095	39.00	1.088	1.089	NO	457.98	50.2	3.30	
9	54	13C12-4,4'-DDD	7.63e5	1.09e6	1.60	NO	1.12	1.095	39.12	1.092	1.092	NO	567.01	62.1	2.82	
10	55	13C12-4,4'-DDT	3.20e5	1.09e6	1.57	NO	0.735	1.095	40.19	1.122	1.122	NO	364.22	39.9	4.32	
11	62	13C-PCB-15	2.18e6	2.18e6	1.57	NO	1.00	1.095	26.06	1.000	1.000	NO	913.11	100	0.443	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_7.qld

Last Altered: Monday, April 19, 2021 10:03:49 Pacific Daylight Time
Printed: Monday, April 19, 2021 10:05:15 Pacific Daylight Time

Method: Untitled 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210415H1_7, Date: 15-Apr-2021, Time: 14:29:04, ID: 2103216-18RE1 USMPDI-067RAB-00-10-210316 1.4, Description: USMPDI-067RAB-00-10-210316, Task: ST210415H1_1

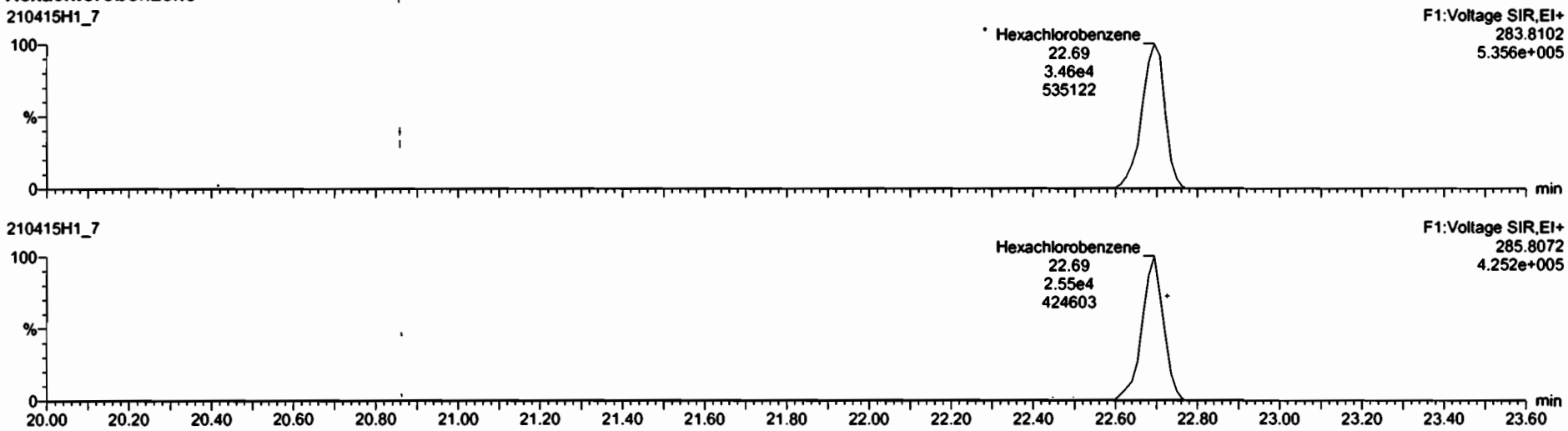
	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	63 13C-PCB-60	1.09e6	1.09e6	0.83	NO	1.00	1.095	35.83	1.000	1.000	NO	913.11	100	0.713	

Dataset: Untitled

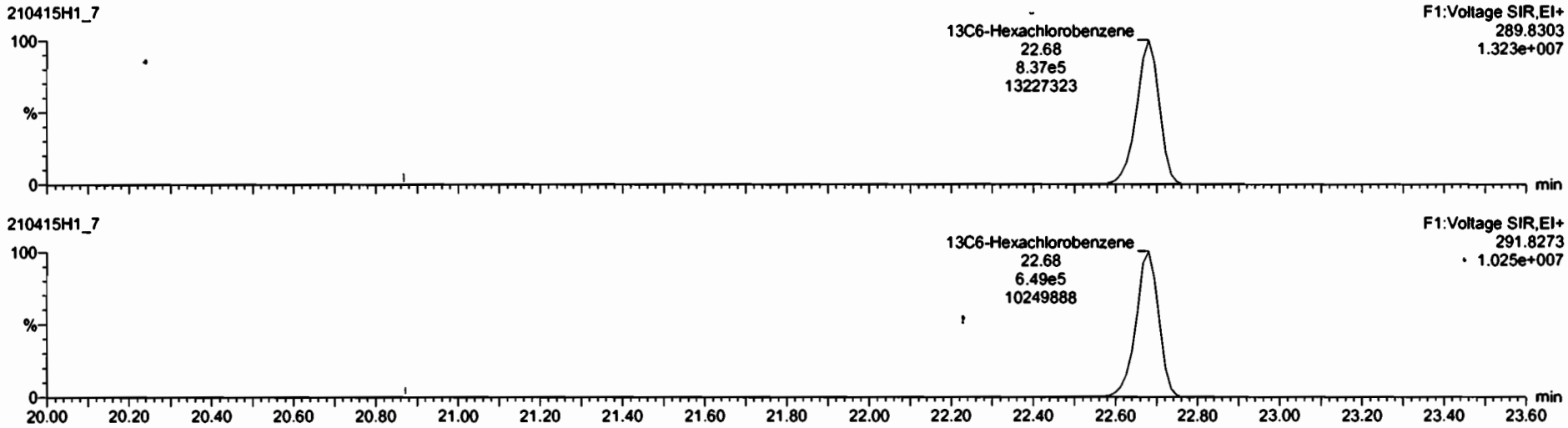
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_7, Date: 15-Apr-2021, Time: 14:29:04, ID: 2103216-18RE1 USMPDI-067RAB-00-10-210316 1.4, Description: USMPDI-067RAB-00-10-210316

Hexachlorobenzene



13C6-Hexachlorobenzene



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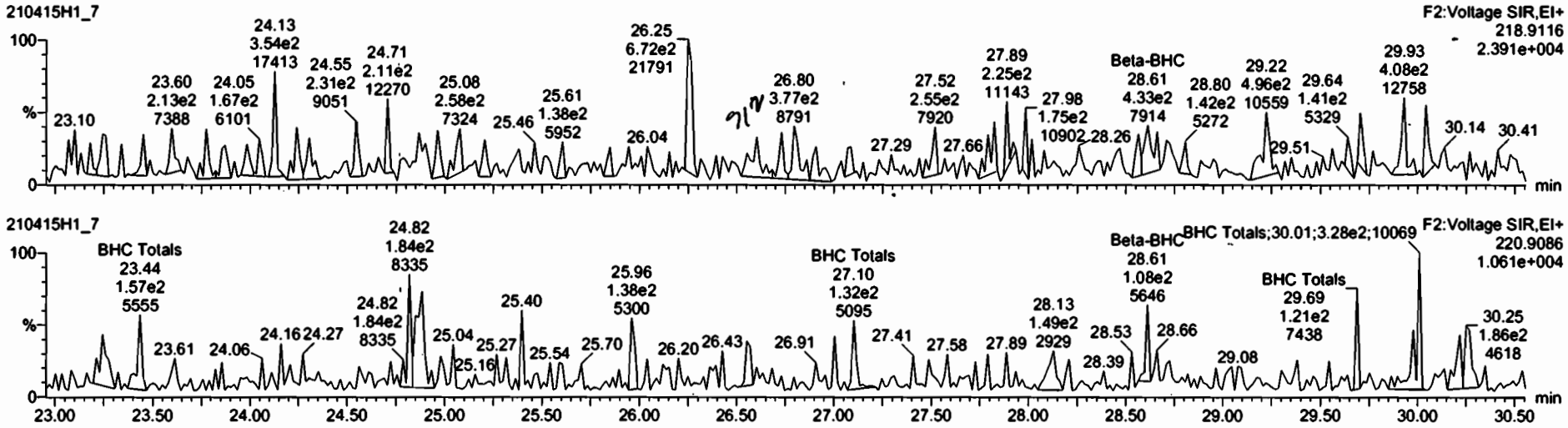
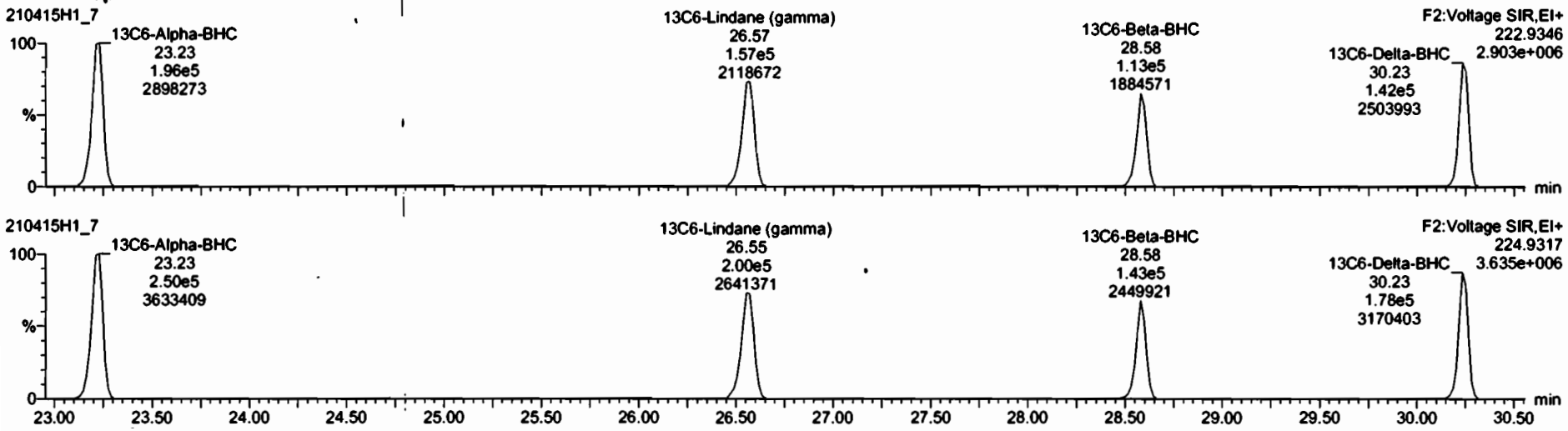
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_7, Date: 15-Apr-2021, Time: 14:29:04, ID: 2103216-18RE1 USMPDI-067RAB-00-10-210316 1.4, Description: USMPDI-067RAB-00-10-210316

BHC Totals



BHC-isotopes



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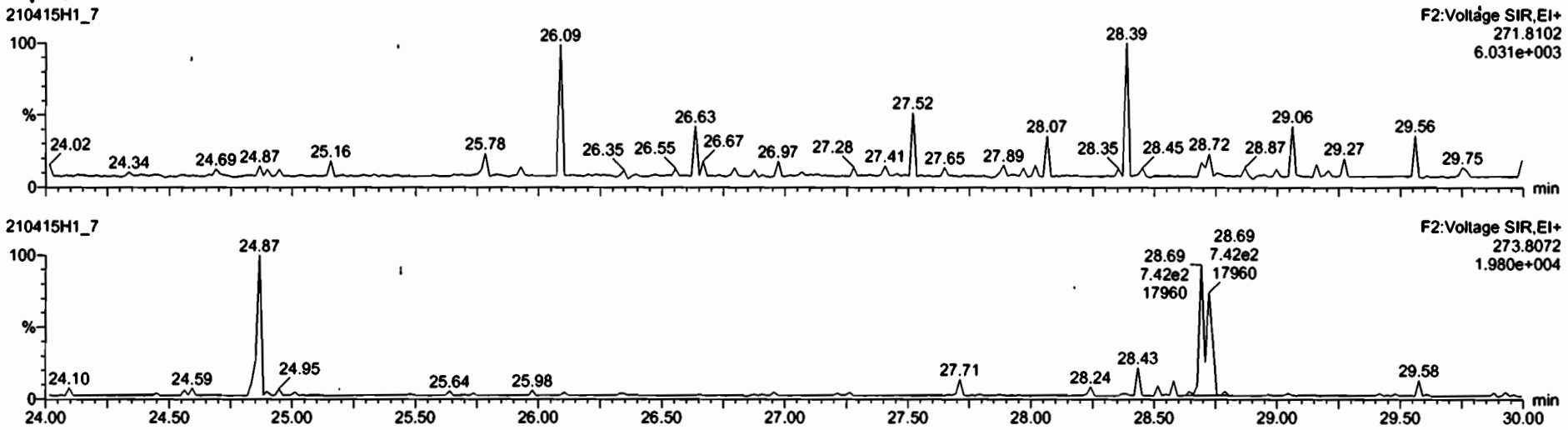
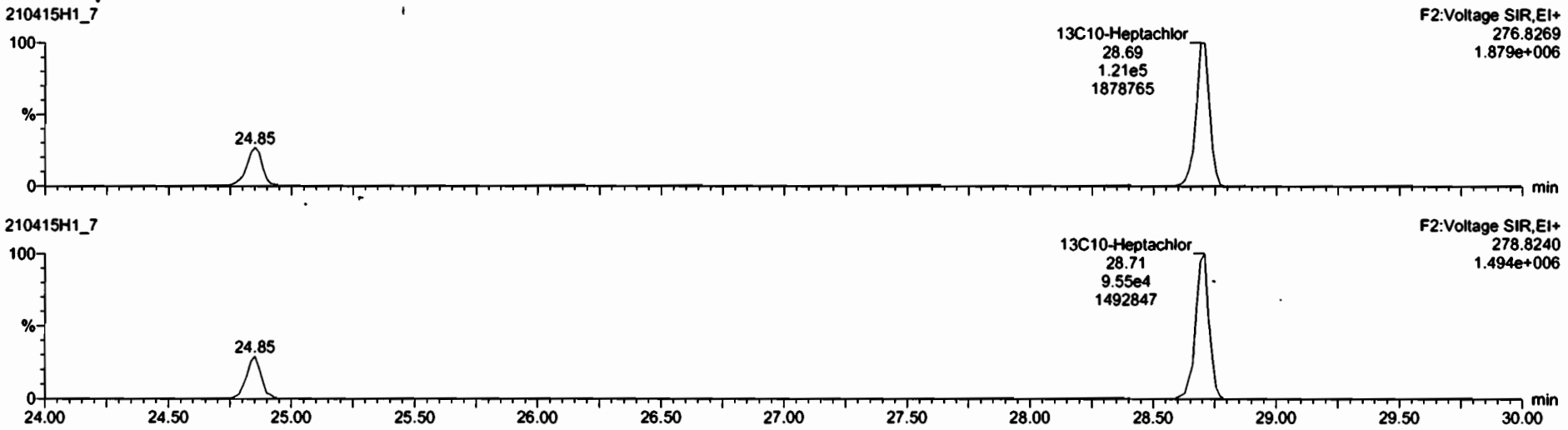
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_7, Date: 15-Apr-2021, Time: 14:29:04, ID: 2103216-18RE1 USMPDI-067RAB-00-10-210316 1.4, Description: USMPDI-067RAB-00-10-210316

Heptachlor



13C10-Heptachlor



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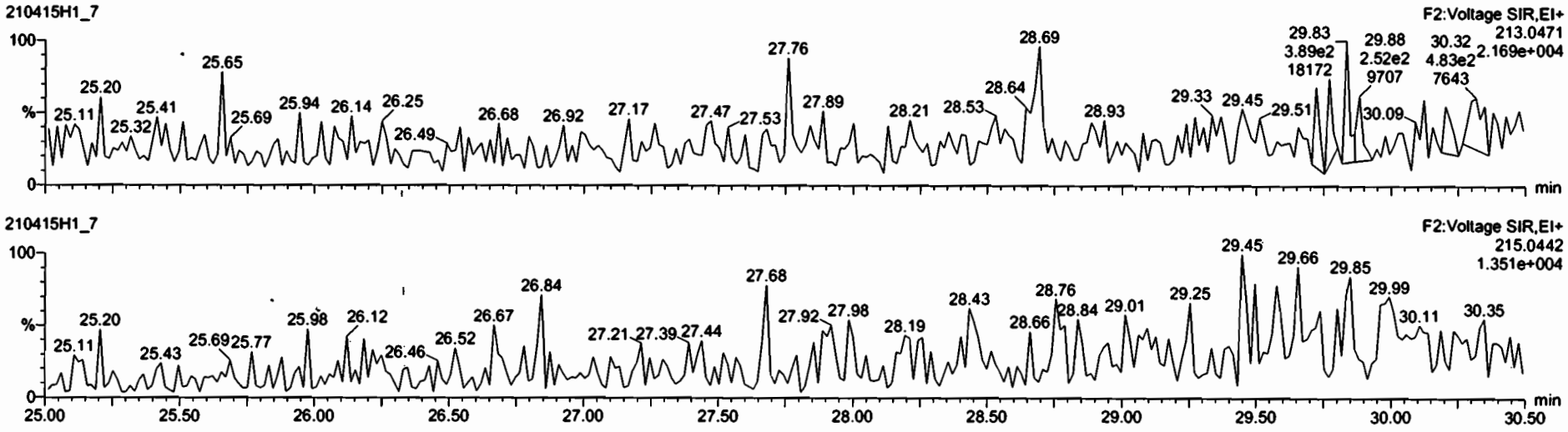
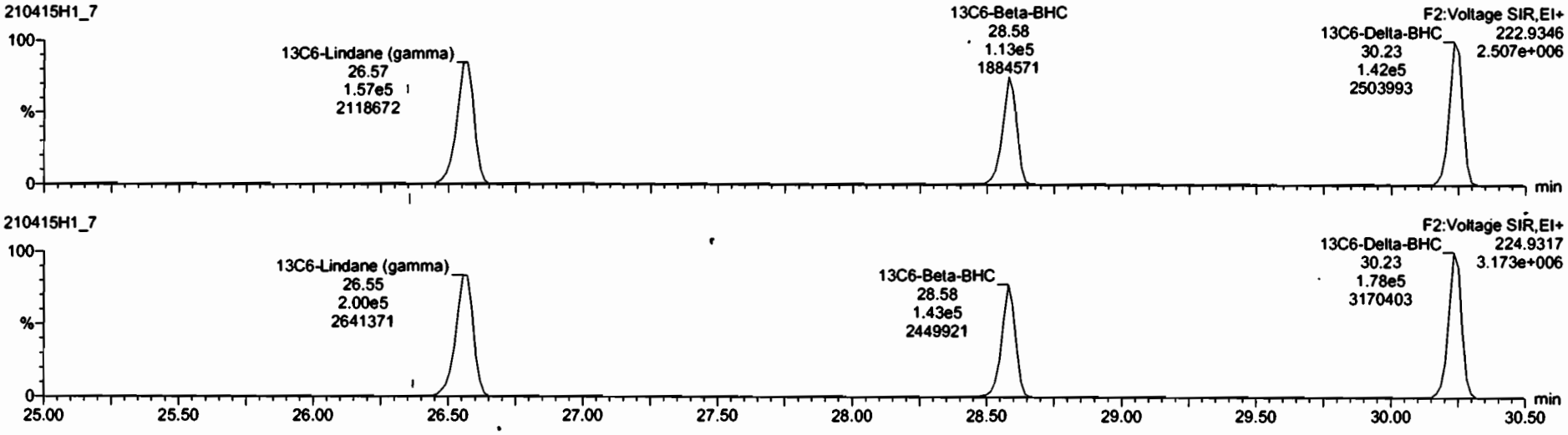
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_7, Date: 15-Apr-2021; Time: 14:29:04, ID: 2103216-18RE1 USMPDI-067RAB-00-10-210316 1.4, Description: USMPDI-067RAB-00-10-210316

4,4'-DDNU



13C6-Delta-BHC

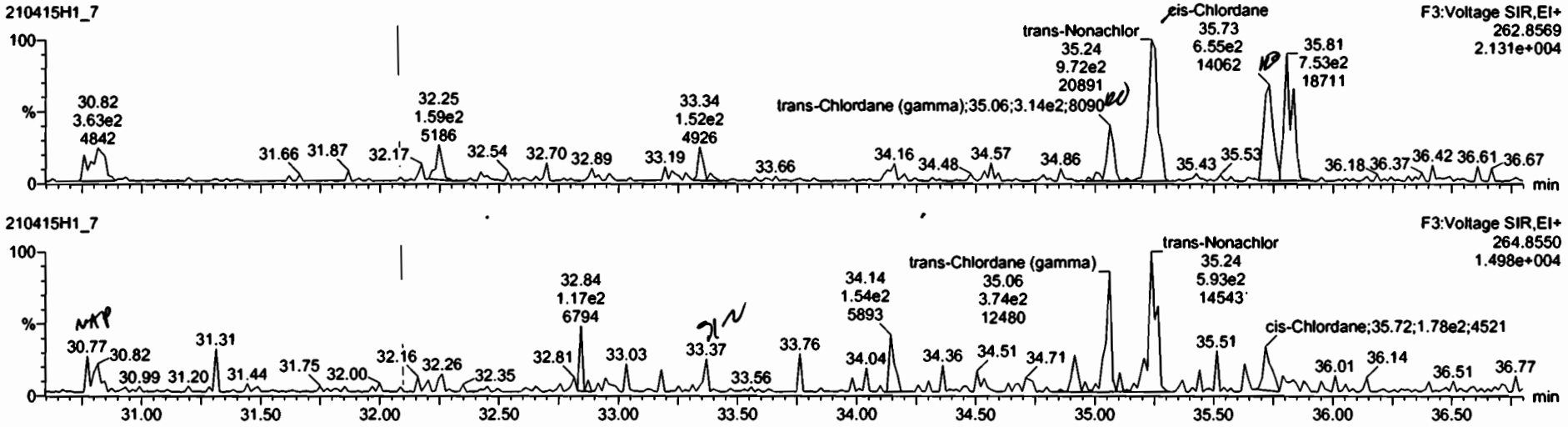


Dataset: Untitled

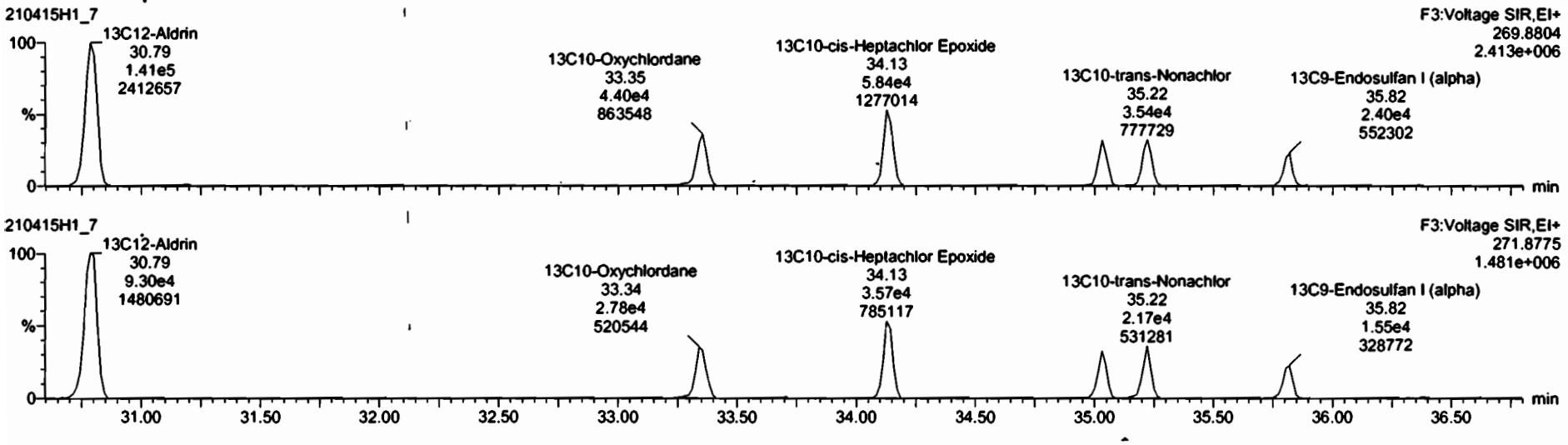
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_7, Date: 15-Apr-2021, Time: 14:29:04, ID: 2103216-18RE1 USMPDI-067RAB-00-10-210316 1.4, Description: USMPDI-067RAB-00-10-210316

Aldrin-EI



Aldrin-EI-isotopes



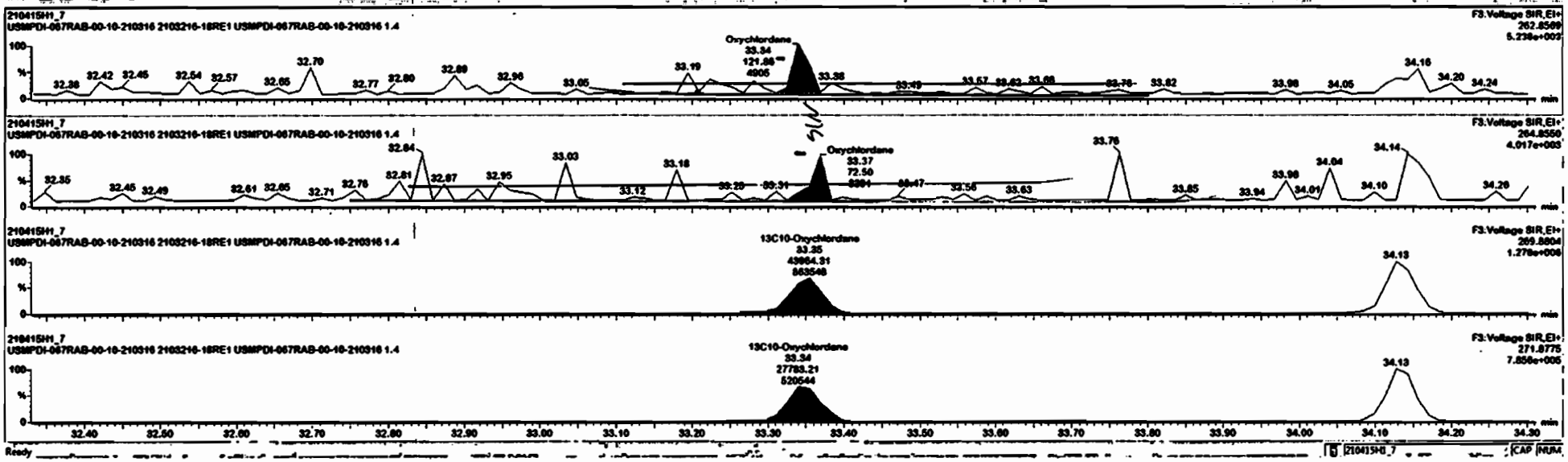
TargetLynx - 210415H1_7.qld - Chromatogram

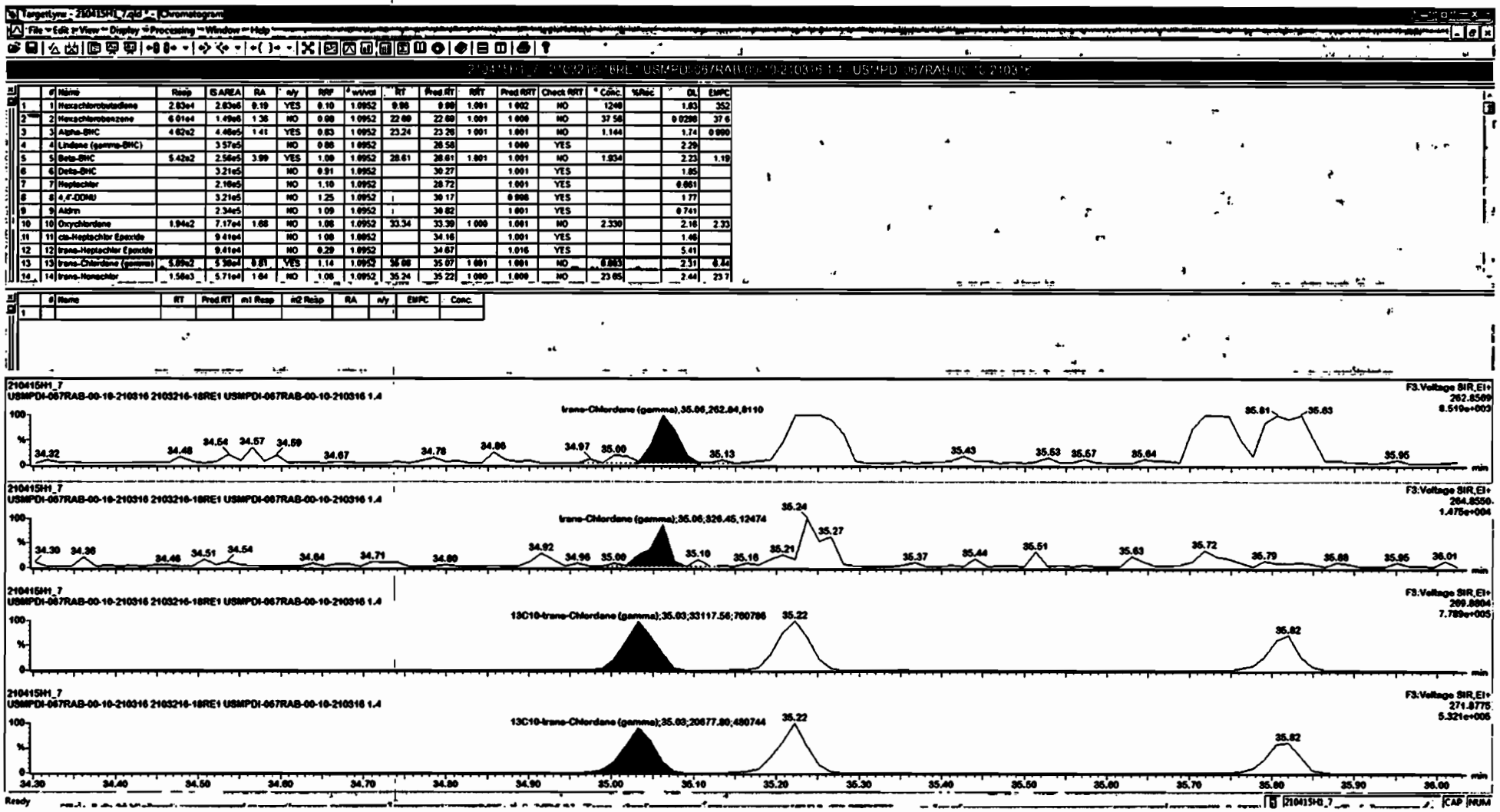
File Edit View Display Processing Window Help

210415H1_7 - 2103216-18RE1 USMPDI-067RAB-00-10-210316 1.4 USMPDI-067RAB-00-10-210316

	#	Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1	Hexachlorobutadiene	2.83e4	2.83e6	0.19	YES	0.10	1.0952	9.98	9.99	1.001	1.002	NO	1240		1.03	352
2	2	Hexachlorobenzene	6.01e4	1.49e6	1.36	NO	0.98	1.0952	22.69	22.69	1.001	1.000	NO	37.56		0.0298	37.6
3	3	Alpha-BHC	4.62e2	4.46e5	1.41	YES	0.83	1.0952	23.24	23.26	1.001	1.001	NO	1.144		1.74	0.990
4	4	Lindane (gamma-BHC)		3.57e5		NO	0.88	1.0952		26.58		1.000	YES			2.29	
5	5	Beta-BHC	5.42e2	2.56e5	3.99	YES	1.00	1.0952	28.61	28.61	1.001	1.001	NO	1.934		2.23	1.19
6	6	Delta-BHC		3.21e5		NO	0.91	1.0952		30.27		1.001	YES			1.85	
7	7	Heptachlor		2.16e5		NO	1.10	1.0952		28.72		1.001	YES			0.661	
8	8	4,4'-DDNU		3.21e5		NO	1.25	1.0952		30.17		0.998	YES			1.77	
9	9	Aldrin		2.34e5		NO	1.09	1.0952		30.82		1.001	YES			0.741	
10	10	Oxychlordane	1.94e2	7.17e4	1.68	NO	1.08	1.0952	33.34	33.39	1.000	1.001	NO	2.330		2.16	2.33
11	11	cis-Heptachlor Epoxide		9.41e4		NO	1.08	1.0952		34.16		1.001	YES			1.48	
12	12	trans-Heptachlor Epoxide		9.41e4		NO	0.29	1.0952		34.67		1.016	YES			5.41	
13	13	trans-Chlordane (gamma)	6.88e2	5.38e4	0.84	YES	1.14	1.0952	35.08	35.07	1.001	1.001	NO	10.28		2.31	7.70
14	14	trans-Nonachlor	1.58e3	5.71e4	1.64	NO	1.08	1.0952	35.24	35.22	1.000	1.000	NO	23.65		2.44	23.7

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




TargetLynx - 210415H1_7.qld - Chromatogram
File Edit View Display Processing Window Help
trans-Chlordane (gamma),35.06,262.84,8110
trans-Chlordane (gamma);35.06;326.45;12474
13C10-trans-Chlordane (gamma);35.03;33117.56;760786
13C10-trans-Chlordane (gamma);35.03;20677.80;480744
Ready

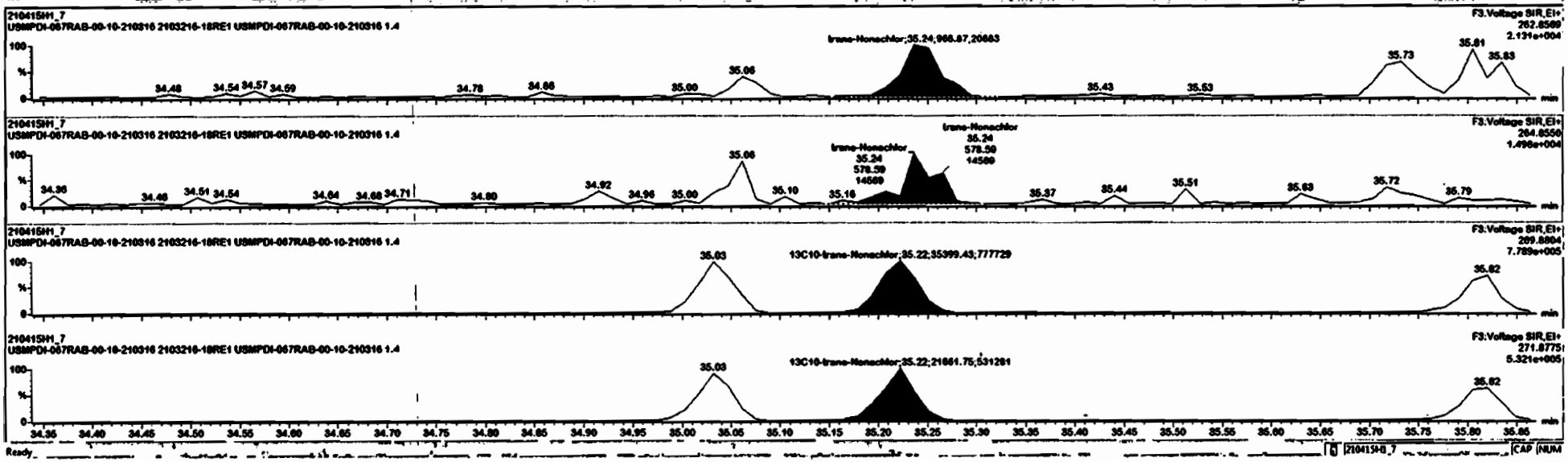
TargetLynx - 210415H1_7.qld - Chromatogram

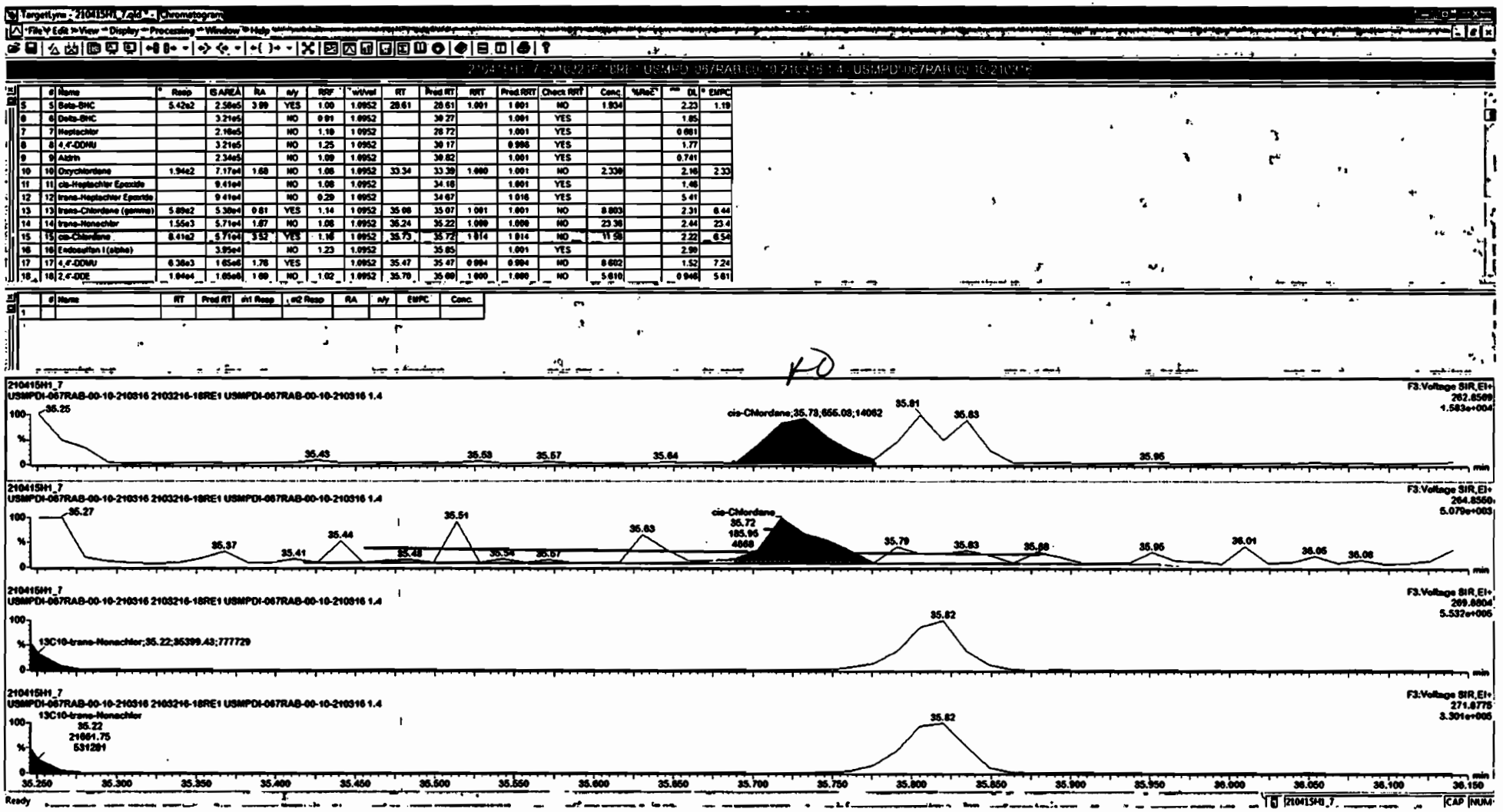
File Edit View Display Processing Window Help

210415H1_7 - 2103216-18RE1 USMPDI-067RAB-00-10-210316 1.4 USMPDI-067RAB-00-10-210316

	#	Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
1	1	Hexachlorobutadiene	2.83e4	2.03e6	0.19	YES	0.10	1.0952	9.98	9.99	1.001	1.002	NO	1240		1.03	352
2	2	Hexachlorobenzene	6.01e4	1.49e6	1.36	NO	0.99	1.0952	22.69	22.69	1.001	1.006	NO	37.56		0.0298	37.6
3	3	Alpha-BHC	4.62e2	4.48e5	1.41	YES	0.83	1.0952	23.24	23.26	1.001	1.001	NO	1.144		1.74	0.980
4	4	Lindane (gamma-BHC)		3.57e5		NO	0.88	1.0952		26.58		1.000	YES			2.29	
5	5	Beta-BHC	5.42e2	2.56e5	3.99	YES	1.00	1.0952	28.61	28.61	1.001	1.001	NO	1.934		2.23	1.19
6	6	Delta-BHC		3.21e5		NO	0.91	1.0952		30.27		1.001	YES			1.85	
7	7	Heptachlor		2.16e5		NO	1.10	1.0952		28.72		1.001	YES			0.661	
8	8	4,4'-DDNU		3.21e5		NO	1.25	1.0952		30.17		0.998	YES			1.77	
9	9	Aldrin		2.34e5		NO	1.09	1.0952		30.82		1.001	YES			0.741	
10	10	Oxychlordane	1.94e2	7.17e4	1.68	NO	1.08	1.0952	33.34	33.39	1.000	1.001	NO	2.330		2.16	2.33
11	11	cis-Heptachlor Epoxide		9.41e4		NO	1.08	1.0952		34.16		1.001	YES			1.46	
12	12	trans-Heptachlor Epoxide		9.41e4		NO	0.29	1.0952		34.67		1.016	YES			5.41	
13	13	trans-Chlordane (gamma)	5.80e2	5.38e4	0.81	YES	1.14	1.0952	35.08	35.07	1.001	1.001	NO	8.803		2.31	6.44
14	14	trans-Nonachlor	1.55e3	5.71e4	1.67	NO	1.08	1.0952	35.24	35.22	1.000	1.000	NO	23.38		2.44	23.4

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



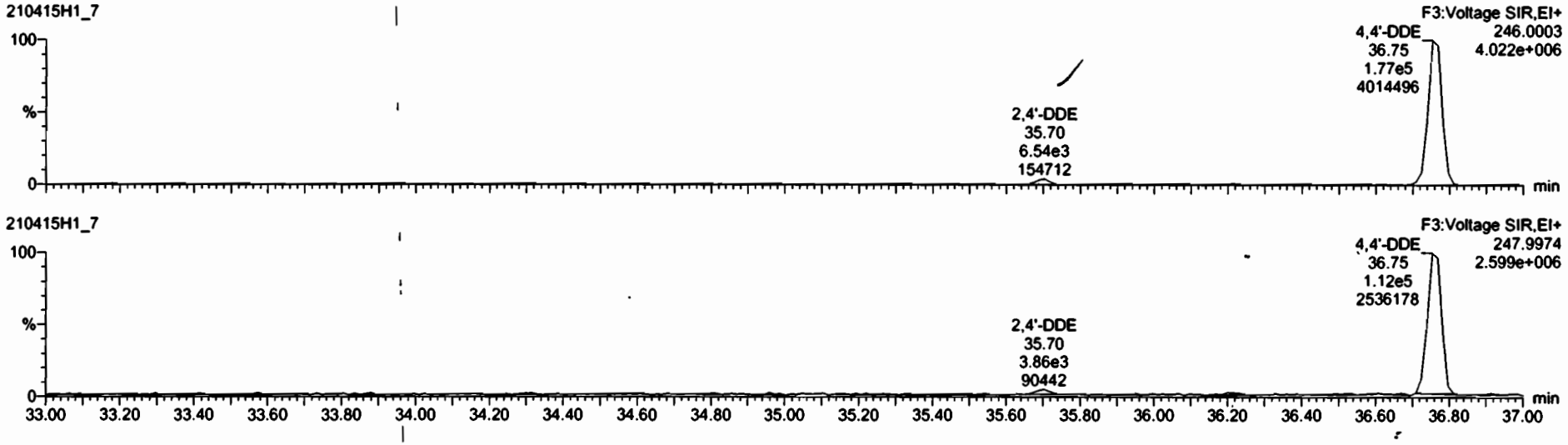

TargetLynx - 210415H1_7 - Chromatogram
File Edit View Display Processing Window Help
210415H1_7 - 2103216-18RE1 USMPDI-067RAB-00-10-210316 1.4 - USMPDI-067RAB-00-10-210316
cis-Chlordane;35.73;666.08;14062
13C10-trans-Nonachlor;35.22;35399.43;777729
13C10-trans-Nonachlor
35.22
21664.75
531291
Ready

Dataset: Untitled

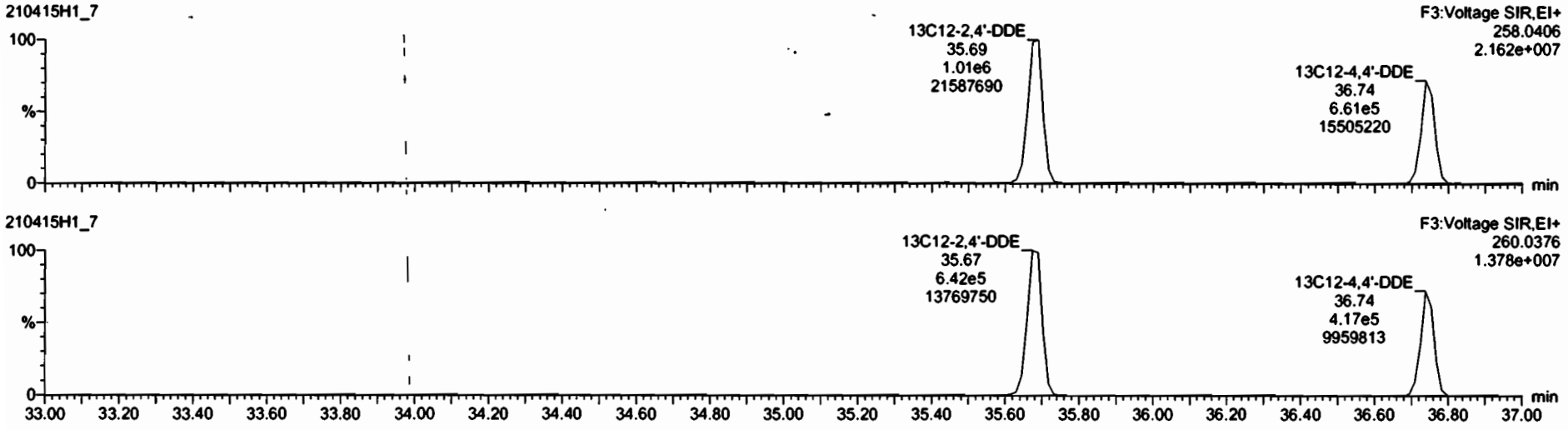
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_7, Date: 15-Apr-2021, Time: 14:29:04, ID: 2103216-18RE1 USMPDI-067RAB-00-10-210316 1.4, Description: USMPDI-067RAB-00-10-210316

DDMU-DDE



DDE-isotopes

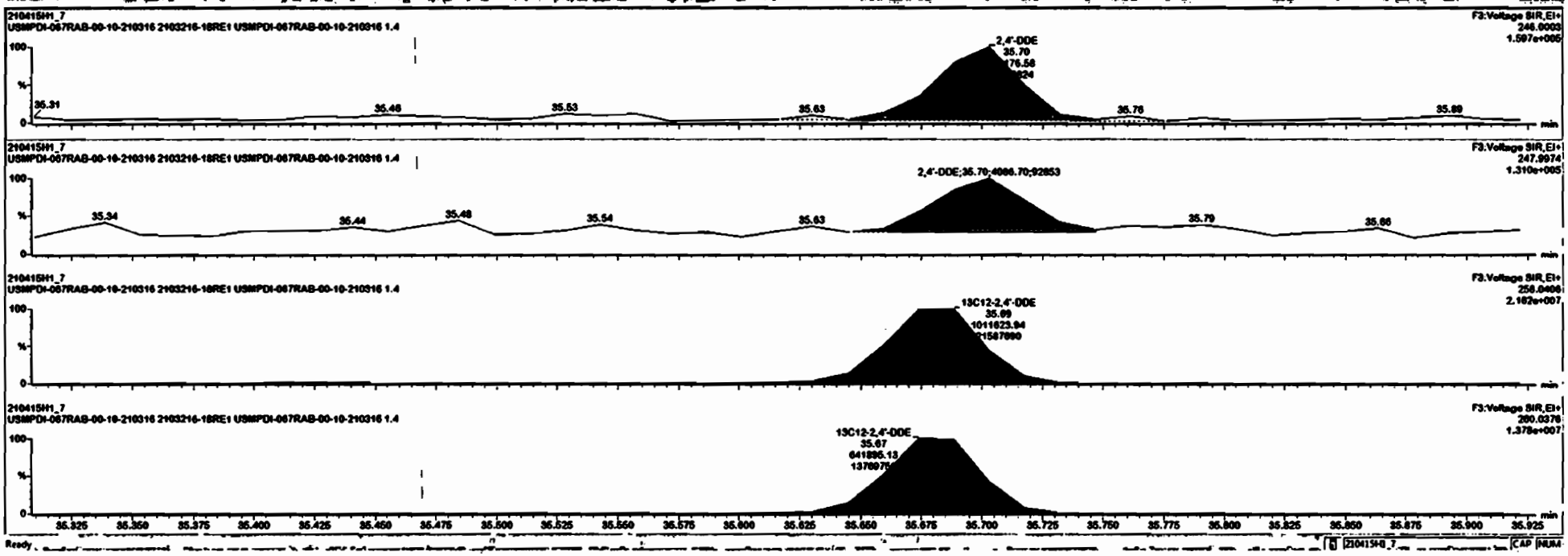


TargetLynx - 210415H1_7.qld - Chromatogram

File Edit View Display Processing Window Help

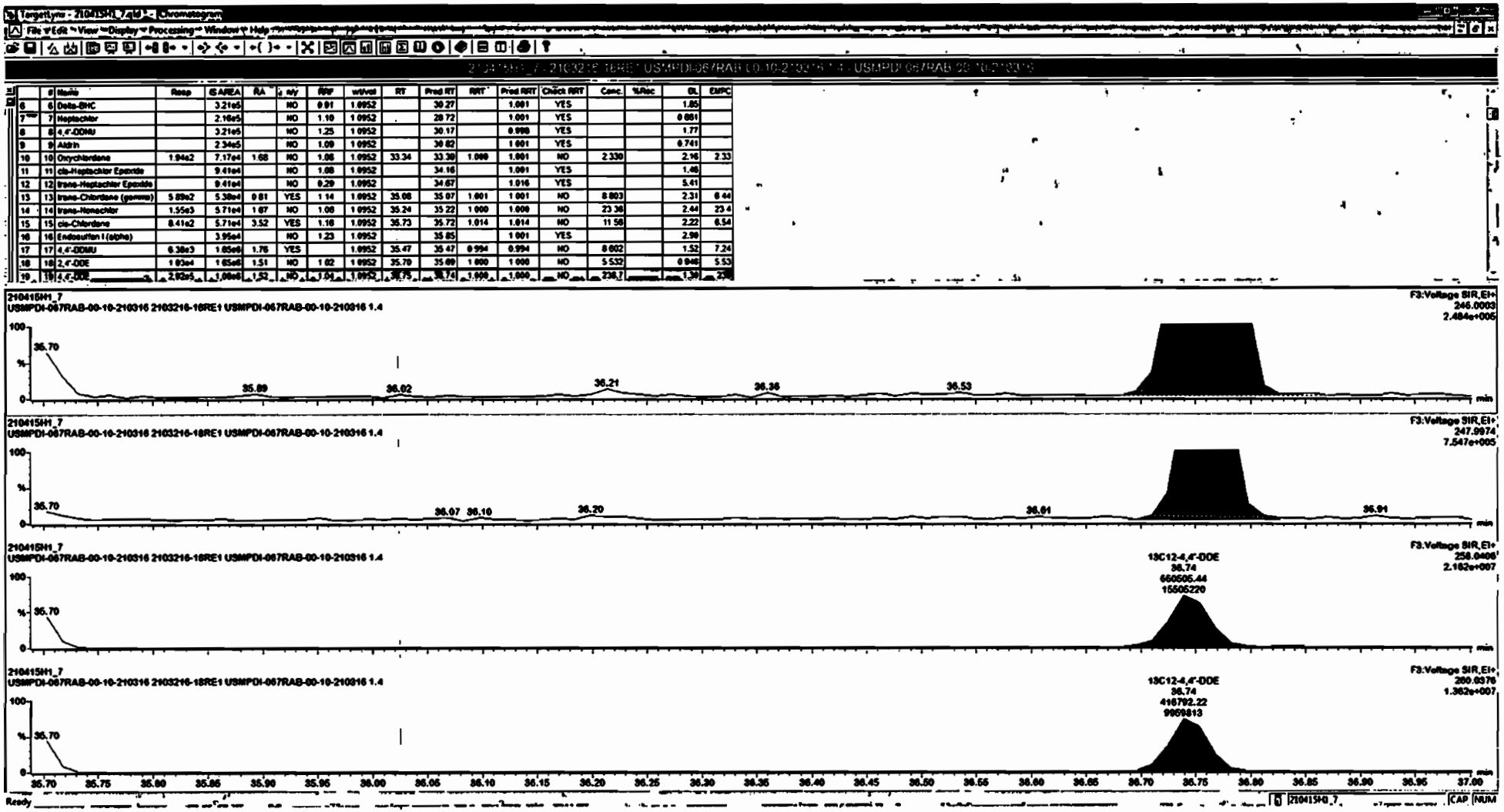
210415H1_7 - 2103216-18RE1 USMPDI-067RAB-00-10-210316 1.4 - USMPDI-067RAB-00-10-210316

	#	Name	Resp	IS AREA	RA	a n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
6	6	Delta-BHC		3.21e5		NO	0.91	1.0952		30.27		1.001	YES			1.85	
7	7	Heptachlor		2.16e5		NO	1.10	1.0952		28.72		1.001	YES			0.661	
8	8	4,4'-DDMU		3.21e5		NO	1.25	1.0952		30.17		0.998	YES			1.77	
9	9	Aldrin		2.34e5		NO	1.09	1.0952		30.82		1.001	YES			0.741	
10	10	Oxychlordane	1.94e2	7.17e4	1.68	NO	1.06	1.0952	33.34	33.39	1.000	1.001	NO	2.330		2.16	2.33
11	11	cis-Heptachlor Epoxide		9.41e4		NO	1.08	1.0952		34.16		1.001	YES			1.46	
12	12	trans-Heptachlor Epoxide		9.41e4		NO	0.29	1.0952		34.67		1.016	YES			5.41	
13	13	trans-Chlordane (gamma)	5.89e2	5.38e4	0.81	YES	1.14	1.0952	35.08	35.07	1.001	1.001	NO	8.803		2.31	6.44
14	14	trans-Nonachlor	1.55e3	5.71e4	1.67	NO	1.08	1.0952	35.24	35.22	1.000	1.000	NO	23.36		2.44	23.4
15	15	cis-Chlordane	8.41e2	5.71e4	3.52	YES	1.16	1.0952	35.73	35.72	1.014	1.014	NO	11.58		2.22	6.54
16	16	Endosulfan I (alpha)		3.95e4		NO	1.23	1.0952		35.85		1.001	YES			2.90	
17	17	4,4'-DDMU	6.38e3	1.65e6	1.76	YES		1.0952	35.47	35.47	0.994	0.994	NO	8.602		1.52	7.24
18	18	2,4'-DDE	1.03e4	1.65e6	1.51	NO	1.02	1.0952	35.70	35.69	1.000	1.000	NO	5.532		0.948	5.53
19	19	4,4'-DDE	2.89e5	1.08e6	1.57	NO	1.04	1.0952	36.75	36.74	1.000	1.000	NO	235.9		1.30	236



Ready

Work Order 2103216 Page 1368 of 2136



		Name	Resp	IS AREA	RA	q	Y/N	RRF	w/v/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
6	6	Delta-BHC		3.21e5			NO	0.91	1.0952		30.27		1.001	YES			1.85	
7	7	Heptachlor		2.16e5			NO	1.10	1.0952		28.72		1.001	YES			0.661	
8	8	4,4'-DDMU		3.21e5			NO	1.25	1.0952		30.17		0.998	YES			1.77	
9	9	Aldrin		2.34e5			NO	1.09	1.0952		30.62		1.001	YES			0.741	
10	10	Oxychlordane	1.94e2	7.17e4	1.68		NO	1.06	1.0952	33.34	33.39	1.000	1.001	NO	2.330		2.16	2.33
11	11	cis-Heptachlor Epoxide		9.41e4			NO	1.08	1.0952		34.16		1.001	YES			1.46	
12	12	trans-Heptachlor Epoxide		9.41e4			NO	0.29	1.0952		34.67		1.016	YES			5.41	
13	13	trans-Chlordane (gamma)	5.89e2	5.38e4	0.81		YES	1.14	1.0952	35.08	35.07	1.001	1.001	NO	8.803		2.31	8.44
14	14	trans-Nonachlor	1.55e3	5.71e4	1.67		NO	1.08	1.0952	35.24	35.22	1.000	1.000	NO	23.36		2.44	23.4
15	15	cis-Chlordane	8.41e2	5.71e4	3.52		YES	1.16	1.0952	35.73	35.72	1.014	1.014	NO	11.56		2.22	6.54
16	16	Endosulfan I (alpha)		3.95e4			NO	1.23	1.0952		35.85		1.001	YES			2.99	
17	17	4,4'-DDMU	6.38e3	1.85e6	1.76		YES		1.0952	35.47	35.47	0.994	0.994	NO	8.602		1.52	7.24
18	18	2,4'-DDE	1.03e4	1.85e6	1.51		NO	1.02	1.0952	35.70	35.69	1.000	1.000	NO	5.532		0.946	5.53
19	19	4,4'-DDE	2.92e5	1.06e6	1.52		NO	1.04	1.0952	36.75	36.74	1.000	1.000	NO	236.7		1.30	236

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Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
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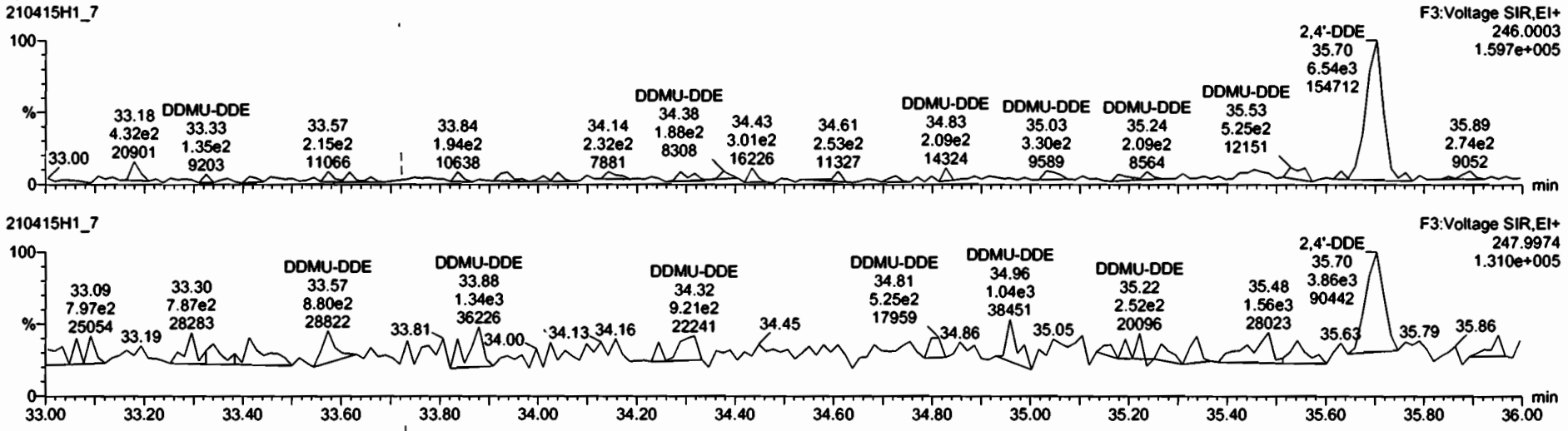
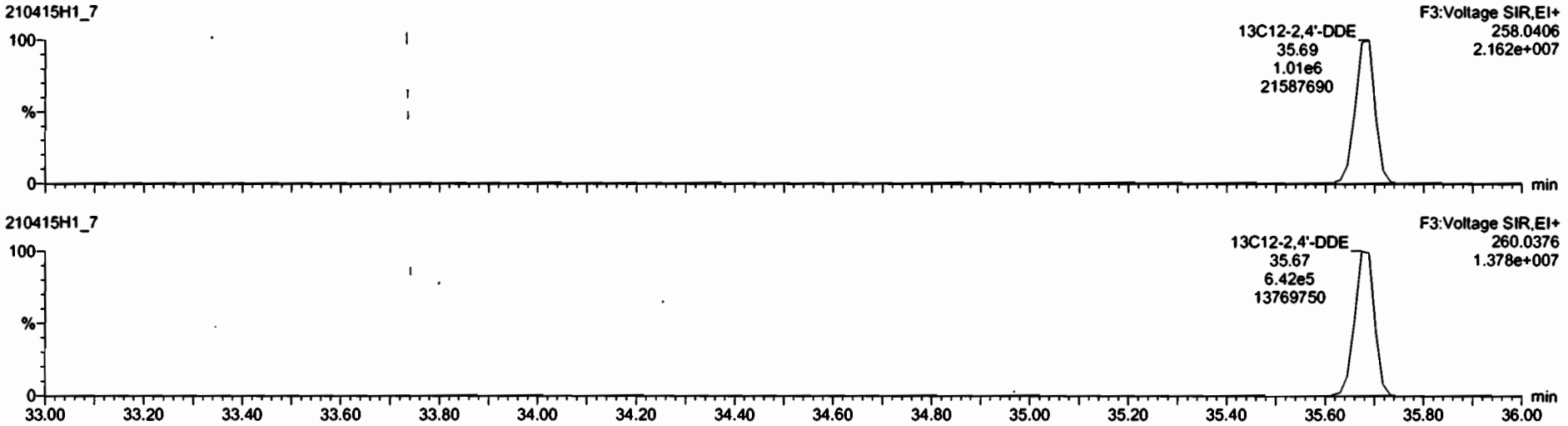
Name: 210415H1_7, Date: 15-Apr-2021, Time: 14:29:04, ID: 2103216-18RE1 USMPDI-067RAB-00-10-210316 1.4, Description: USMPDI-067RAB-00-10-210316

2,4'-DDE



13C12-2,4'-DDE



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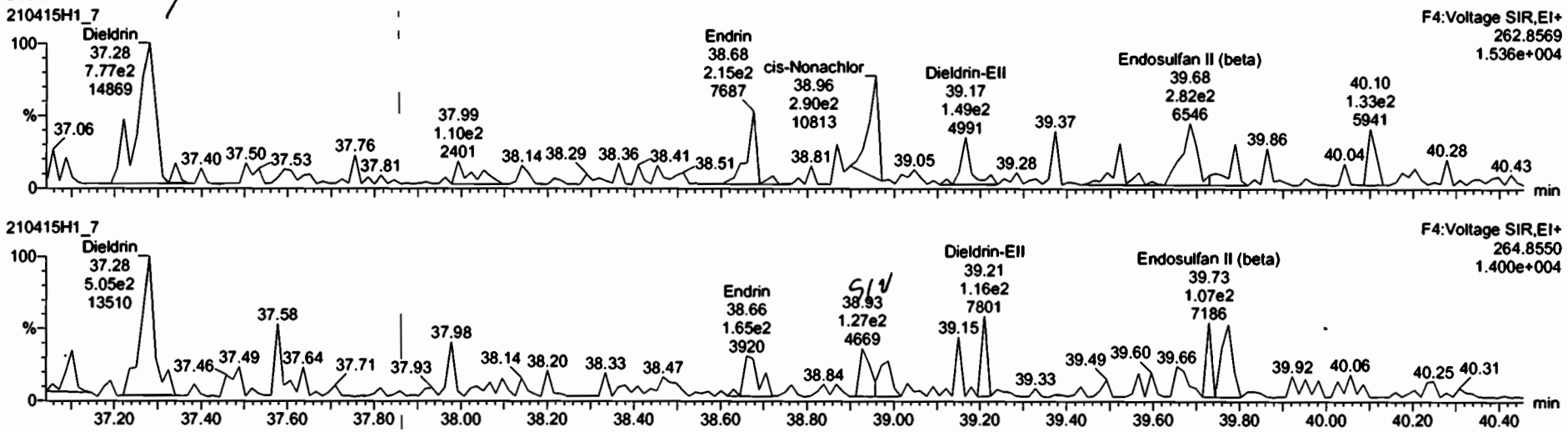
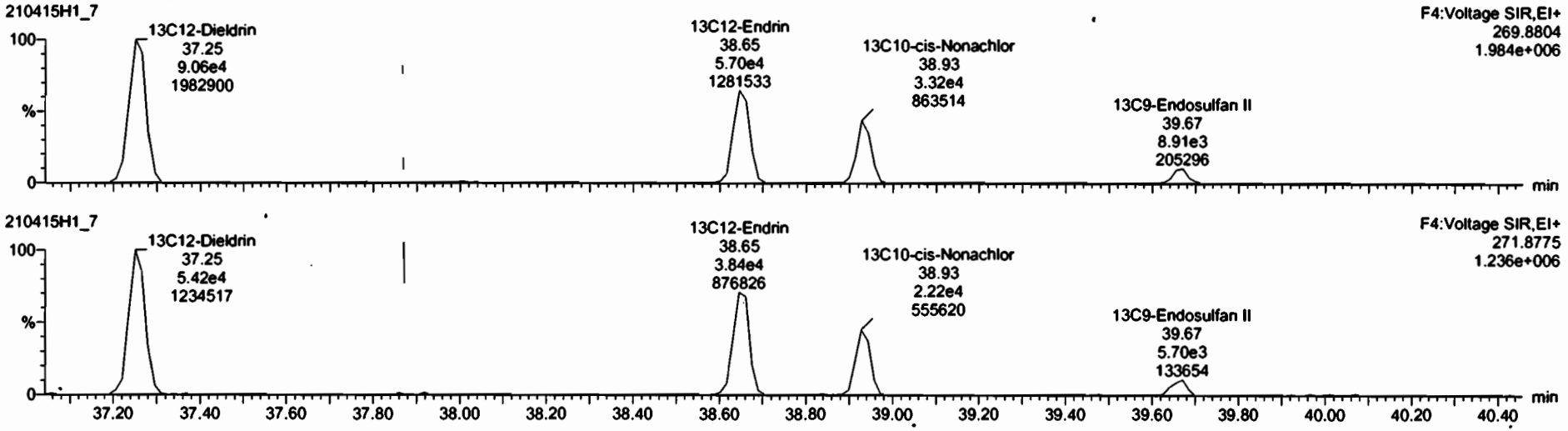
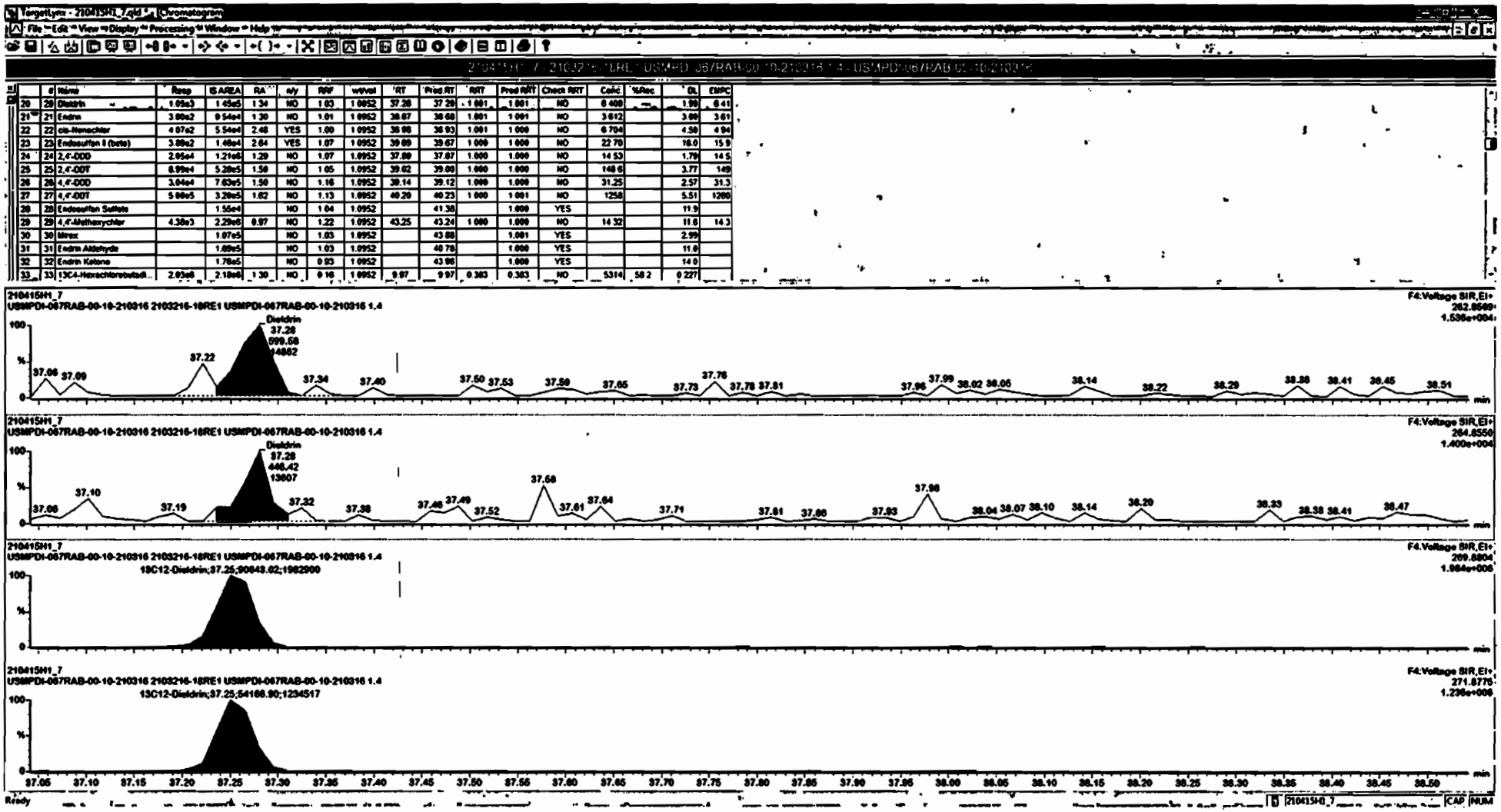
Dieldrin-EII



Dieldrin-EII-isotopes




TargetLynx - 210415H1_7.qld - Chromatogram
File Edit View Display Processing Window Help
210415H1_7 - 2103216-18RE1 USMPDI-067RAB-00-10-210316 1.4 - USMPDI-067RAB-00-10-210316
Dieldrin
37.28
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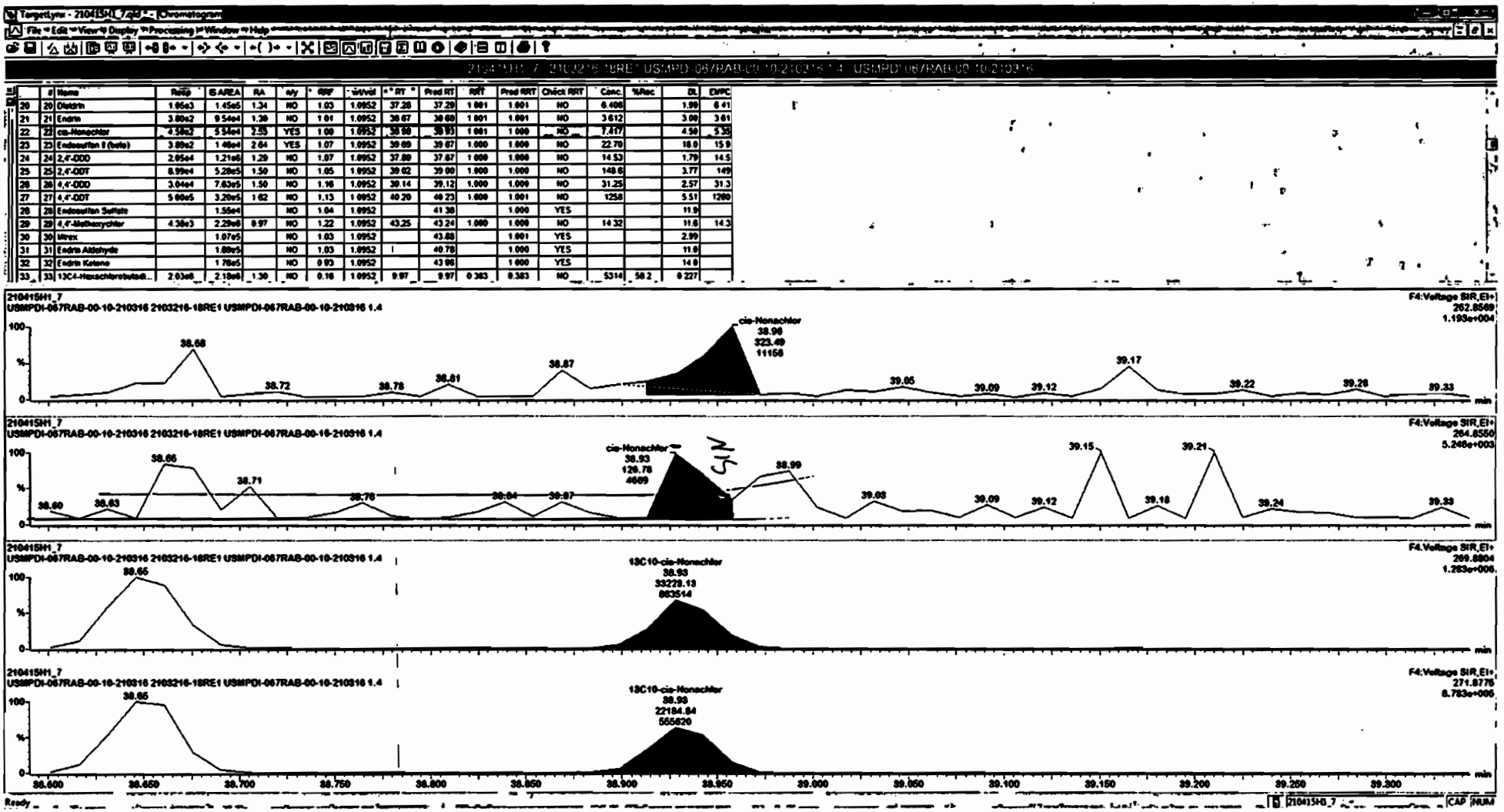

	#	Name	Resp	S AREA	RA	qly	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
20	20	Dieldrin	1.95e3	1.45e5	1.34	NO	1.03	1.0952	37.28	37.29	1.001	1.001	NO	6.498		1.99	6.41
21	21	Endrin	3.80e2	9.54e4	1.39	NO	1.01	1.0952	39.67	39.69	1.001	1.001	NO	3.612		3.09	3.61
22	22	cis-Nonachlor	4.58e2	5.54e4	2.55	YES	1.00	1.0952	38.96	38.93	1.001	1.000	NO	7.417		4.58	5.35
23	23	Endosulfan II (beta)	3.89e2	1.48e4	2.64	YES	1.07	1.0952	39.69	39.67	1.000	1.000	NO	22.70		18.0	15.9
24	24	2,4'-DDD	2.95e4	1.21e6	1.29	NO	1.07	1.0952	37.89	37.87	1.000	1.000	NO	14.53		1.79	14.5
25	25	2,4'-DDT	8.99e4	5.28e5	1.50	NO	1.05	1.0952	39.02	39.00	1.000	1.000	NO	148.6		3.77	149
26	26	4,4'-DDD	3.04e4	7.63e5	1.50	NO	1.16	1.0952	39.14	39.12	1.000	1.000	NO	31.25		2.57	31.3
27	27	4,4'-DDT	5.90e5	3.20e5	1.62	NO	1.13	1.0952	40.20	40.23	1.000	1.001	NO	1258		5.51	1280
28	28	Endosulfan Sulfate		1.55e4		NO	1.04	1.0952		41.38		1.000	YES			11.9	
29	29	4,4'-Methoxychlor	4.38e3	2.29e6	0.97	NO	1.22	1.0952	43.25	43.24	1.000	1.000	NO	14.32		11.6	14.3
30	30	Mirex		1.07e5		NO	1.03	1.0952		43.88		1.001	YES			2.99	
31	31	Endrin Aldehyde		1.89e5		NO	1.03	1.0952		40.78		1.000	YES			11.6	
32	32	Endrin Ketone		1.78e5		NO	0.93	1.0952		43.06		1.000	YES			14.6	
33	33	13C4-Hexachlorobutadi...	2.03e6	2.18e6	1.30	NO	0.16	1.0952	9.97	9.97	0.383	0.383	NO	5314	58.2	8.227	

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Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
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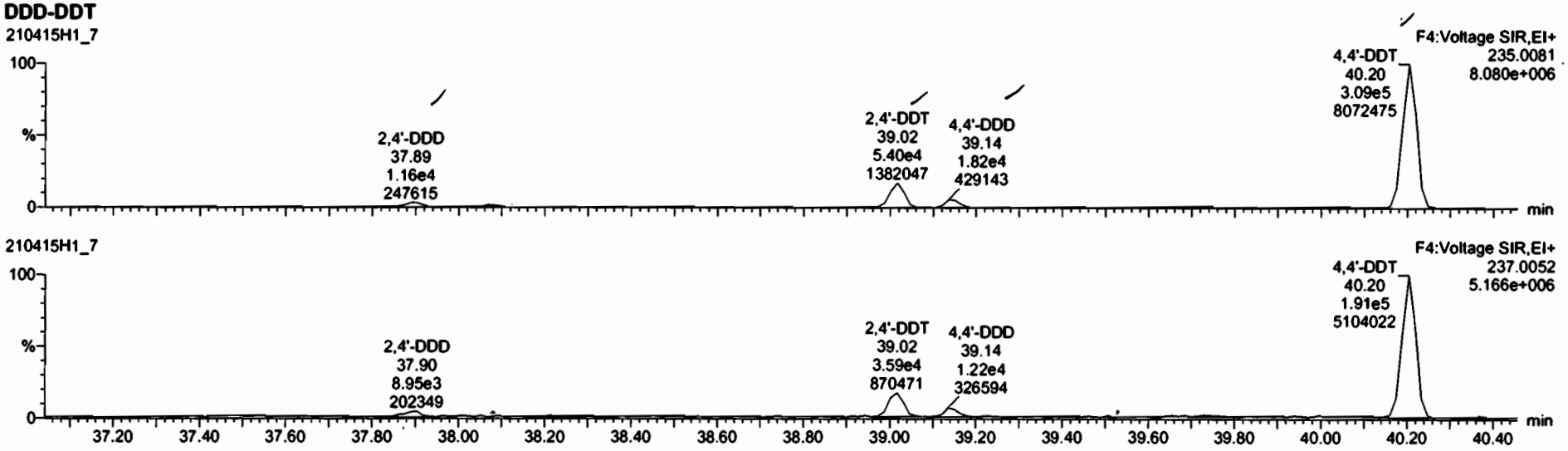
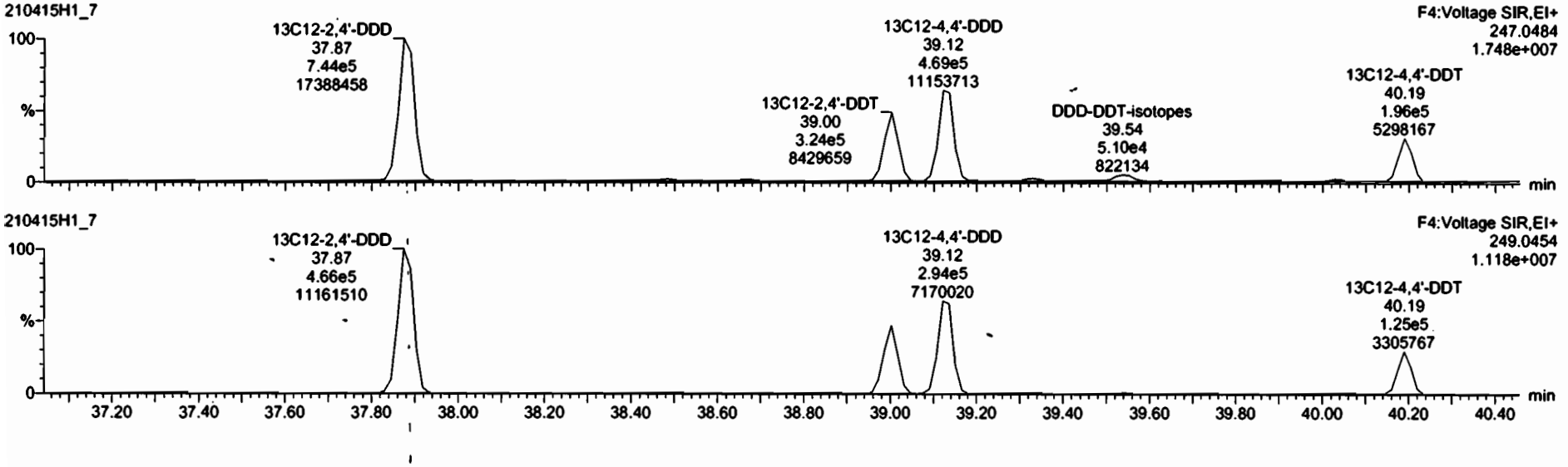
Name: 210415H1_7, Date: 15-Apr-2021, Time: 14:29:04, ID: 2103216-18RE1 USMPDI-067RAB-00-10-210316 1.4, Description: USMPDI-067RAB-00-10-210316

DDD-DDT



DDD-DDT-isotopes



TargetLynx - 210415H1_7.qld * - [Chromatogram]

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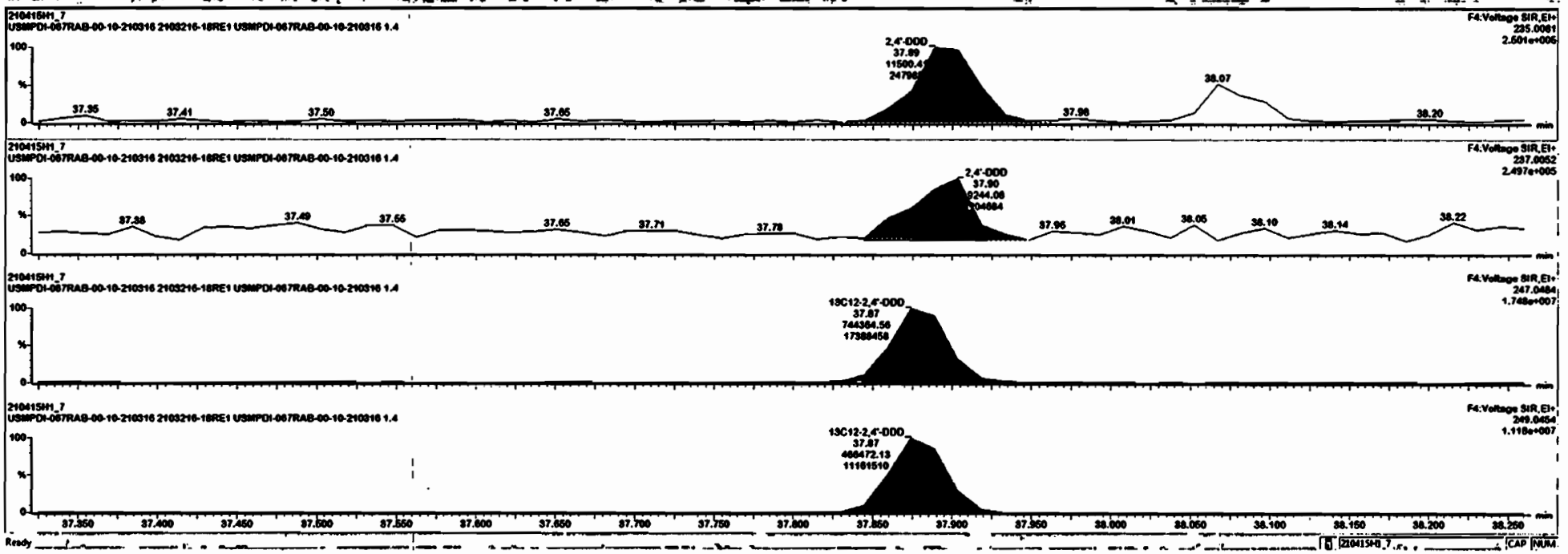
210415H1_7 - 2103216-18RE1 USMPDI-067RAB-00-10-210316 1.4 - USMPDI-067RAB-00-10-210316

	#	Name	Resp	IS AREA	RA	n/y	# RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
20	20	Dieldrin	1.05e3	1.45e5	1.34	NO	1.03	1.0952	37.28	37.29	1.001	1.001	NO	6.408		1.09	6.41
21	21	Endrin	3.80e2	9.54e4	1.30	NO	1.01	1.0952	38.67	38.68	1.001	1.001	NO	3.612		3.00	3.61
22	22	cis-Nonachlor	4.50e2	5.54e4	2.55	YES	1.00	1.0952	38.98	38.93	1.001	1.000	NO	7.417		4.50	5.35
23	23	Endosulfan II (beta)	3.89e2	1.46e4	2.84	YES	1.07	1.0952	39.69	39.67	1.000	1.000	NO	22.70		18.0	15.9
24	24	2,4'-DDD	2.07e4	1.21e6	1.24	NO	1.07	1.0952	37.89	37.87	1.000	1.000	NO	14.67		1.79	14.7
25	25	2,4'-DDT	6.99e4	5.28e5	1.50	NO	1.05	1.0952	39.02	39.00	1.000	1.000	NO	148.6		3.77	149
26	26	4,4'-DDD	3.04e4	7.63e5	1.50	NO	1.16	1.0952	39.14	39.12	1.000	1.000	NO	31.25		2.57	31.3
27	27	4,4'-DDT	5.00e5	3.20e5	1.62	NO	1.13	1.0952	40.20	40.23	1.000	1.001	NO	1258		5.51	1260
28	28	Endosulfan Sulfate		1.55e4		NO	1.04	1.0952		41.38		1.000	YES			11.9	
29	29	4,4'-Methoxychlor	4.38e3	2.29e6	0.97	NO	1.22	1.0952	43.25	43.24	1.000	1.000	NO	14.32		11.6	14.3
30	30	Mirex		1.07e5		NO	1.03	1.0952		43.88		1.001	YES			2.99	
31	31	Endrin Aldehyde		1.69e5		NO	1.03	1.0952		40.78		1.000	YES			11.0	
32	32	Endrin Ketone		1.76e5		NO	0.93	1.0952		43.96		1.000	YES			14.0	
33	33	13C4-Hexachlorobutadi...	2.03e6	2.18e6	1.30	NO	0.16	1.0952	9.97	9.97	0.383	0.383	NO	5314	58.2	0.227	



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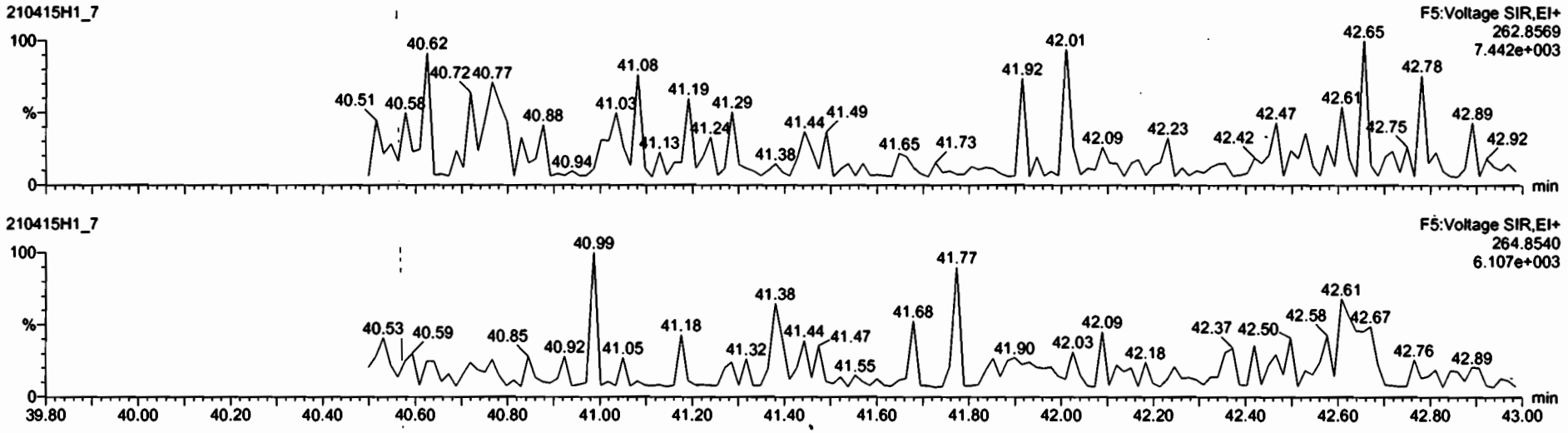
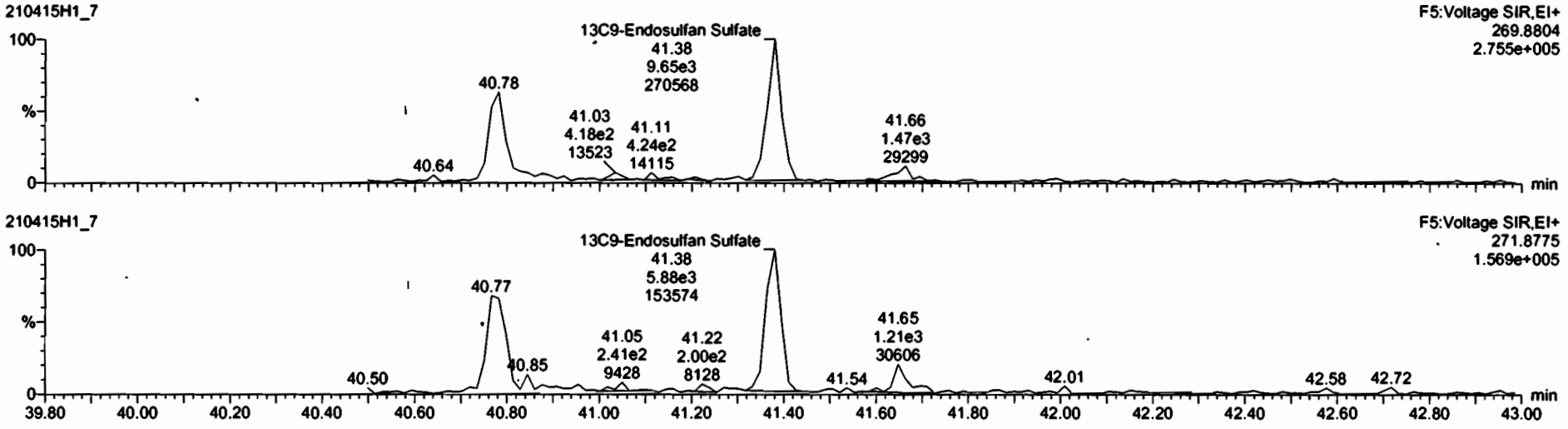
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_7, Date: 15-Apr-2021, Time: 14:29:04, ID: 2103216-18RE1 USMPDI-067RAB-00-10-210316 1.4, Description: USMPDI-067RAB-00-10-210316

Endosulfan Sulfate



13C9-Endosulfan Sulfate



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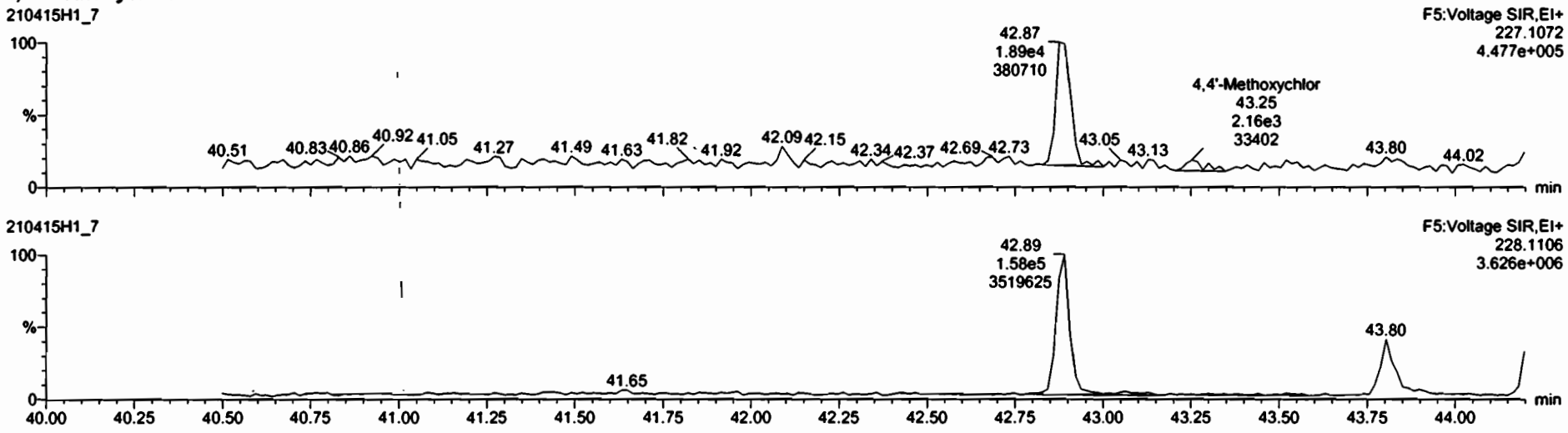
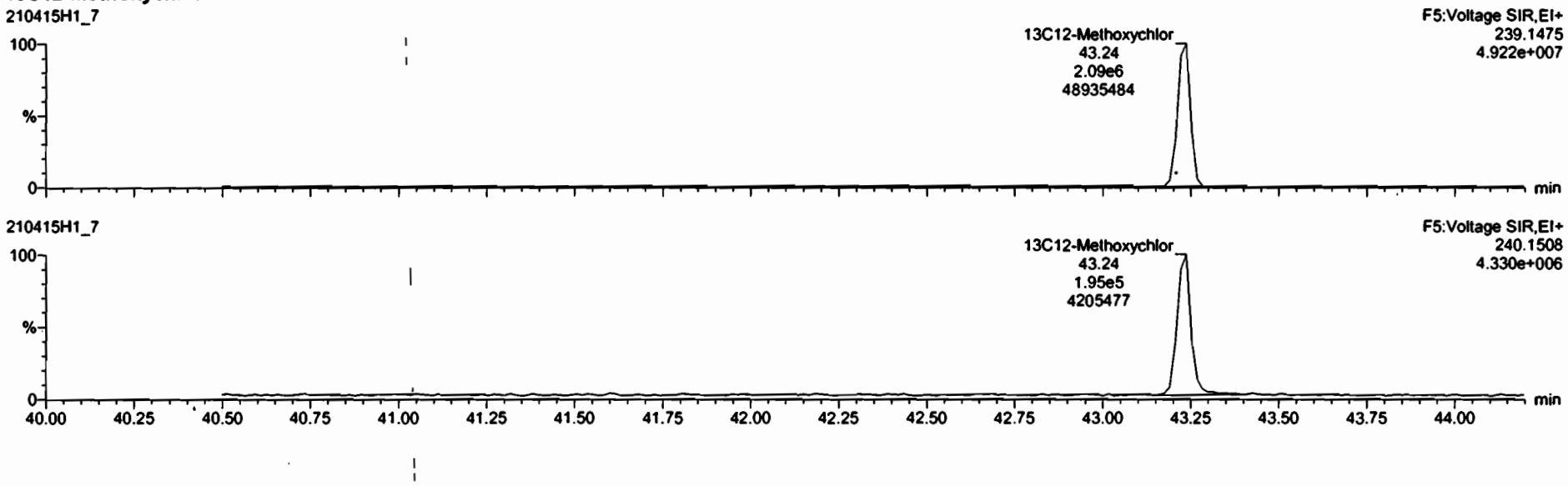
4,4'-Methoxychlor



13C12-Methoxychlor



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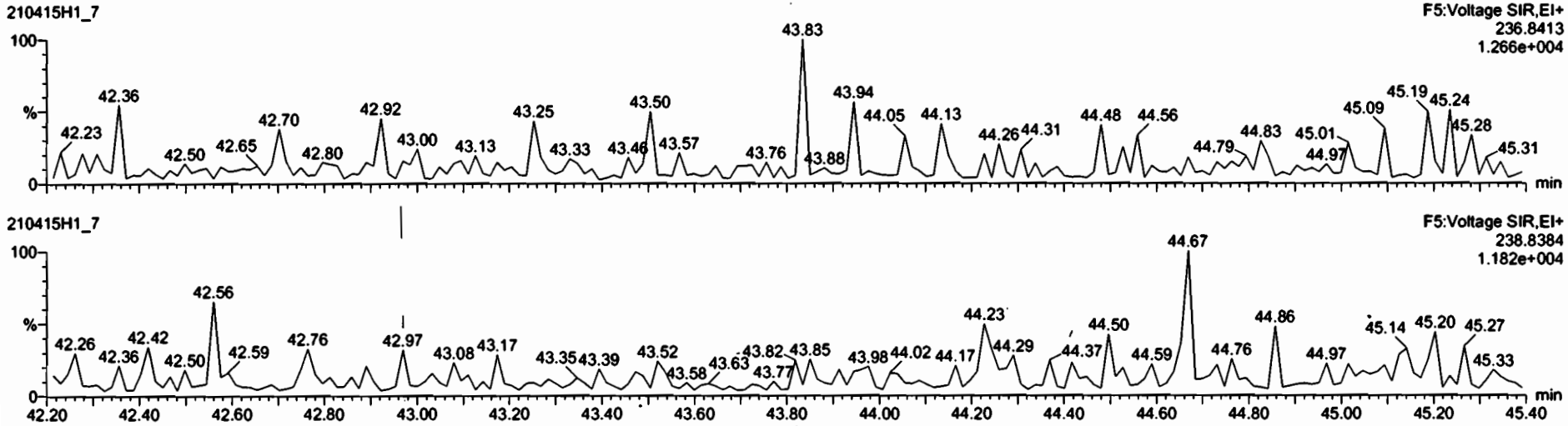
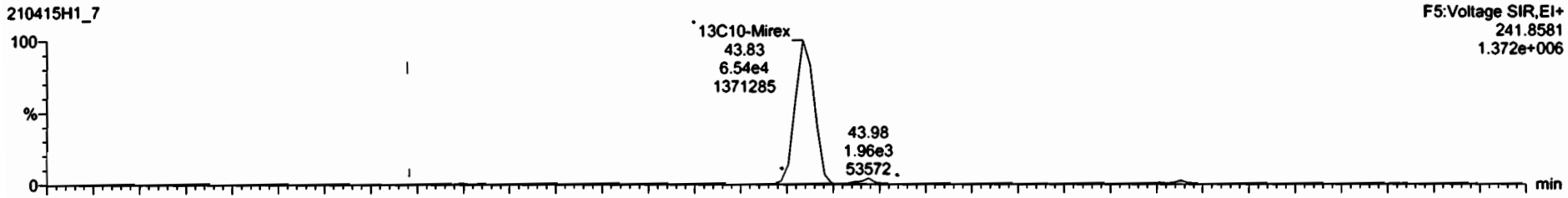
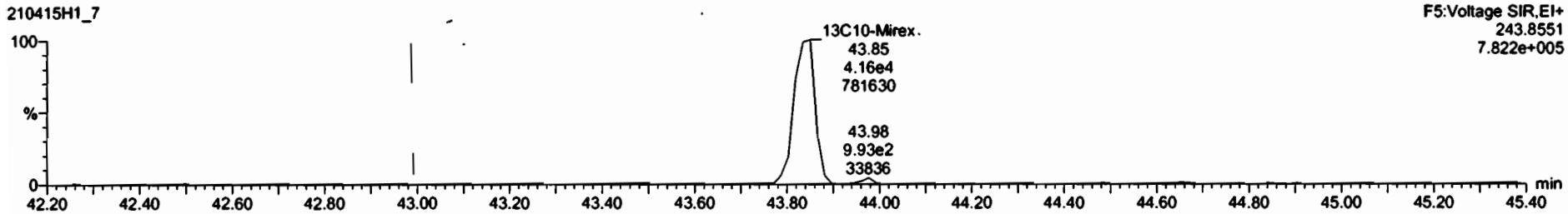
Mirex



13C10-Mirex





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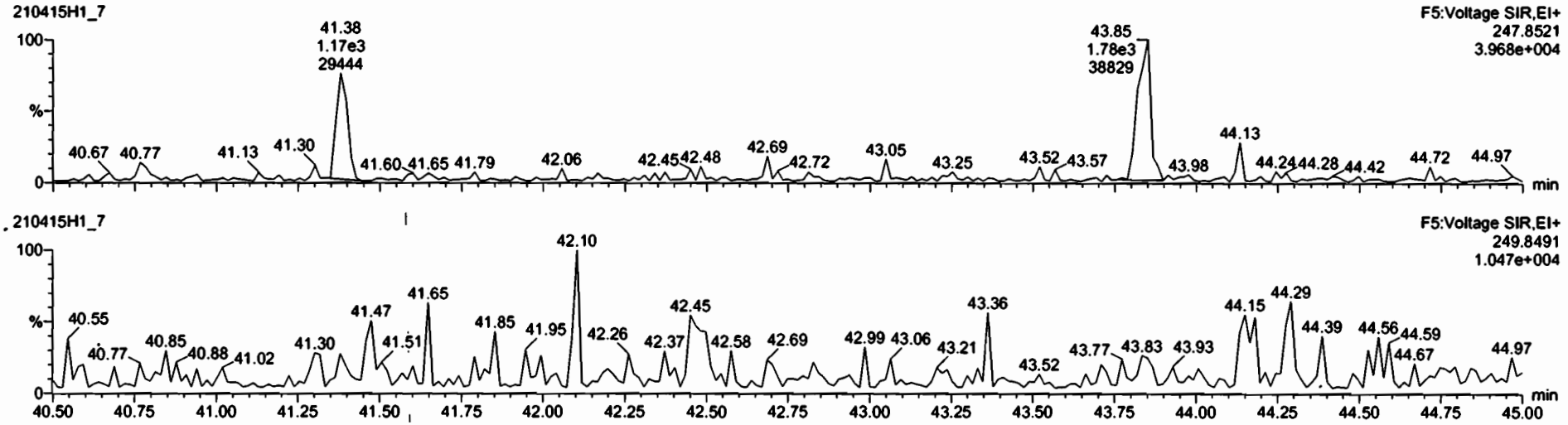
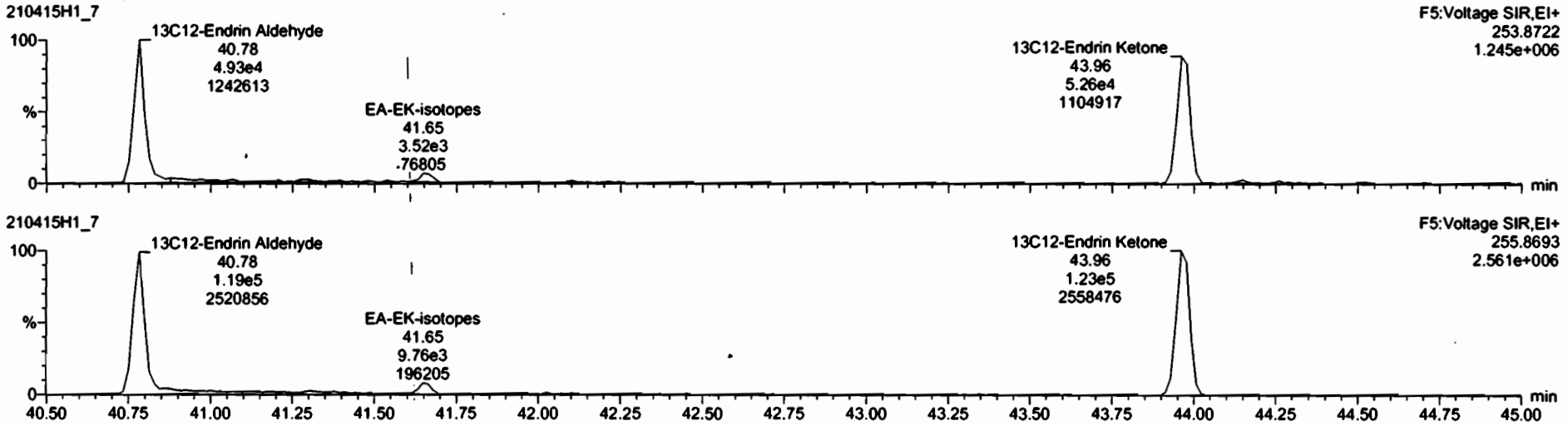
EA-EK



EA-EK-Isotopes



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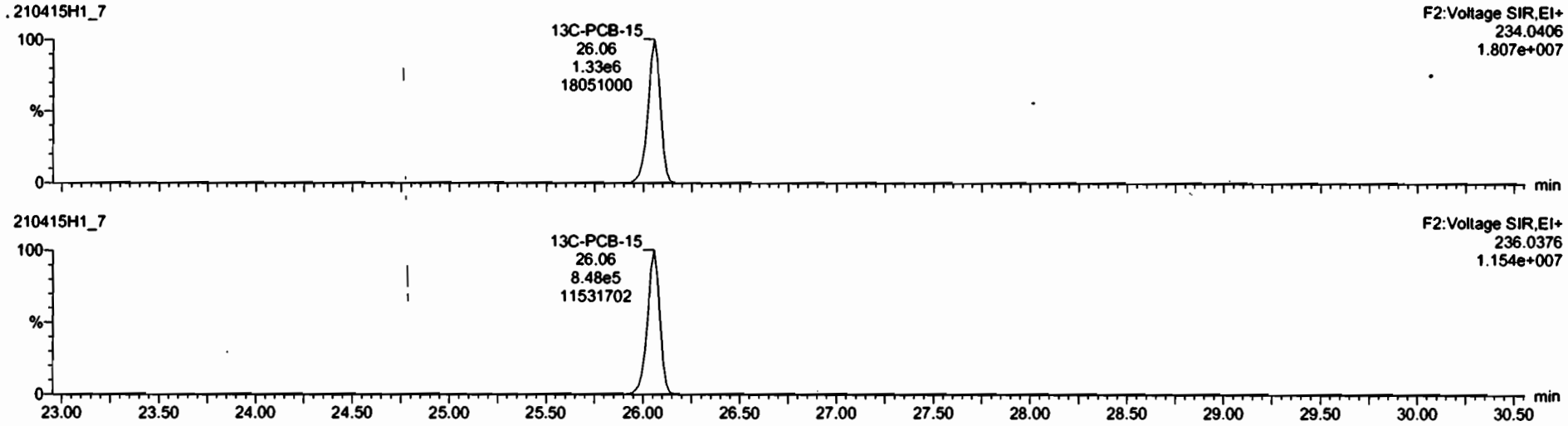
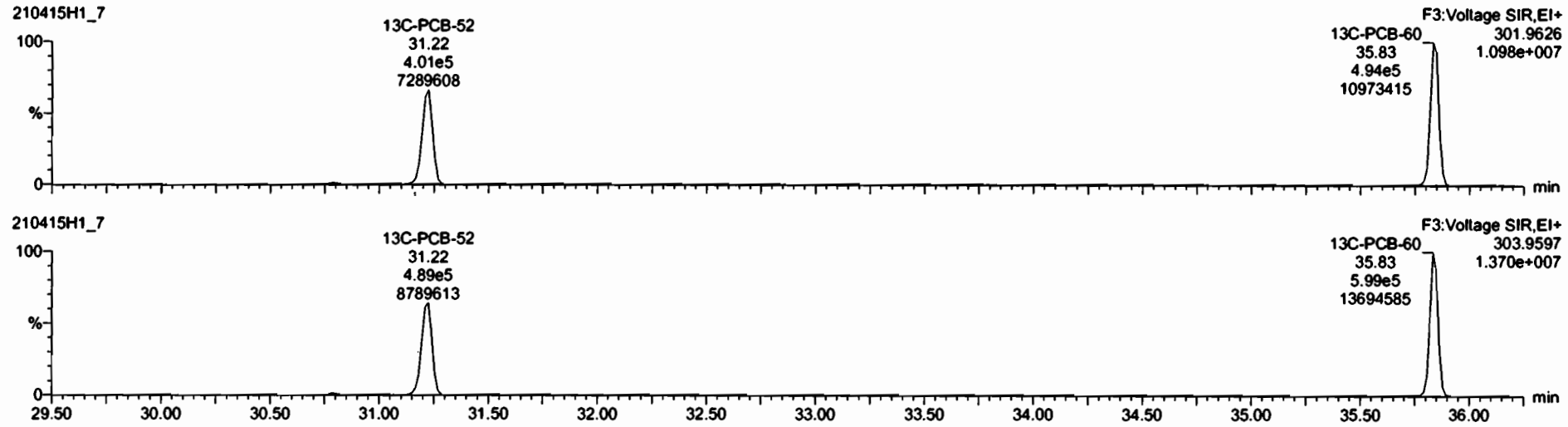
13C-PCB-15



13C-PCB-60



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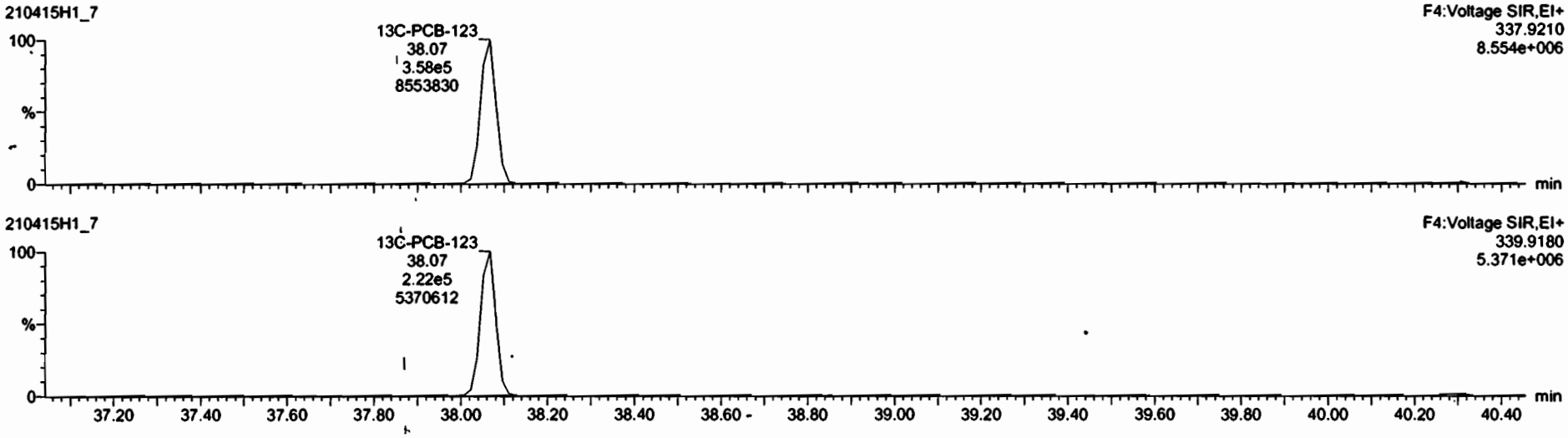
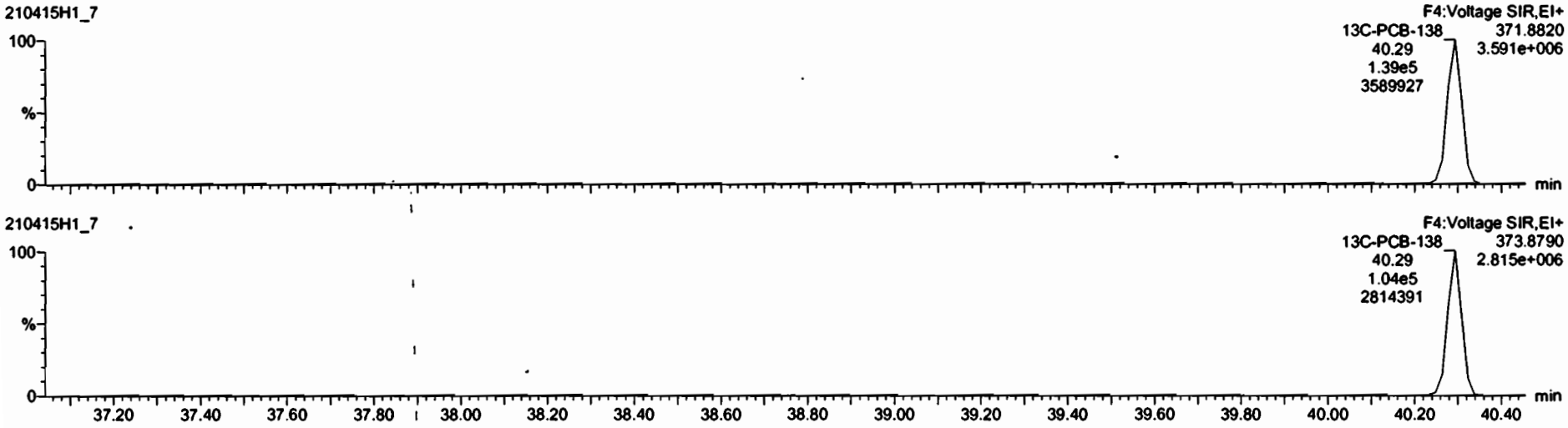
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_7, Date: 15-Apr-2021, Time: 14:29:04, ID: 2103216-18RE1 USMPDI-067RAB-00-10-210316 1.4, Description: USMPDI-067RAB-00-10-210316

13C-PCB-123



13C-PCB-138



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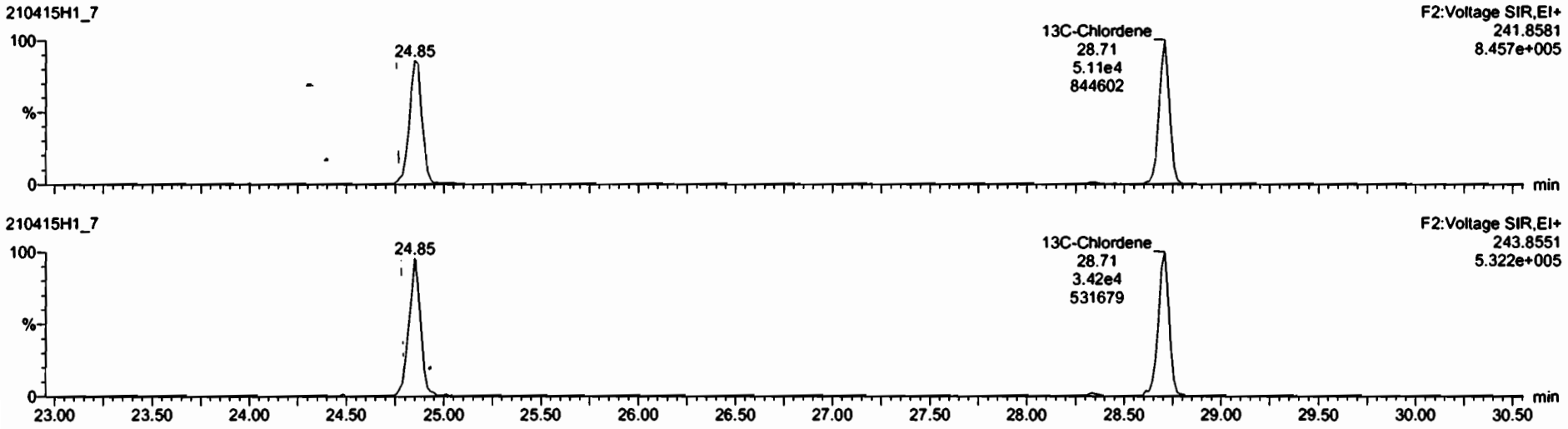
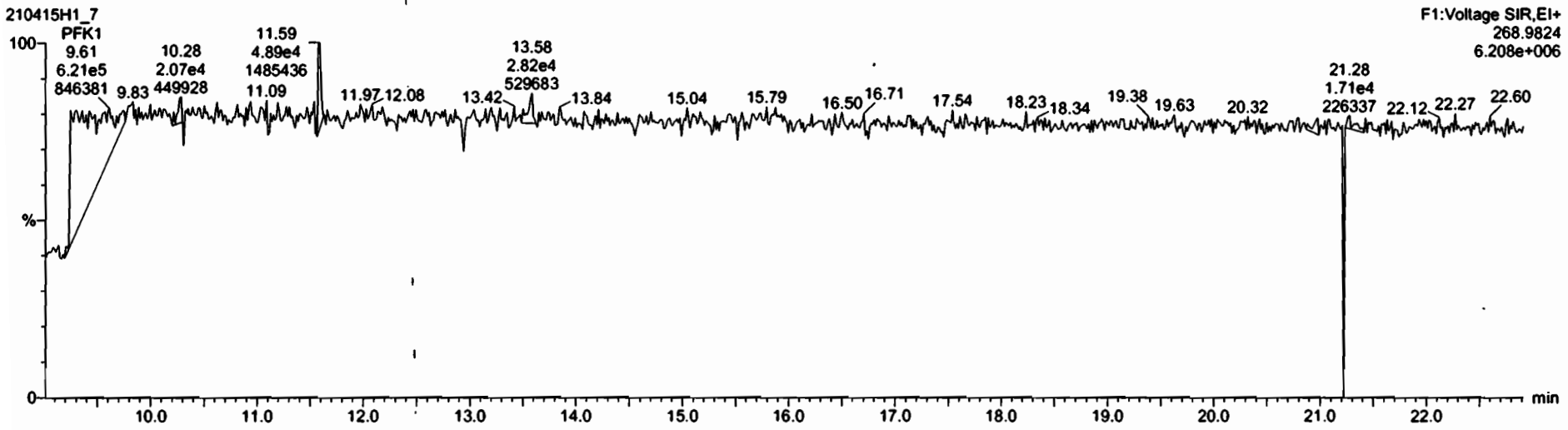
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_7, Date: 15-Apr-2021, Time: 14:29:04, ID: 2103216-18RE1 USMPDI-067RAB-00-10-210316 1.4, Description: USMPDI-067RAB-00-10-210316

13C-Chlordene



PFK1

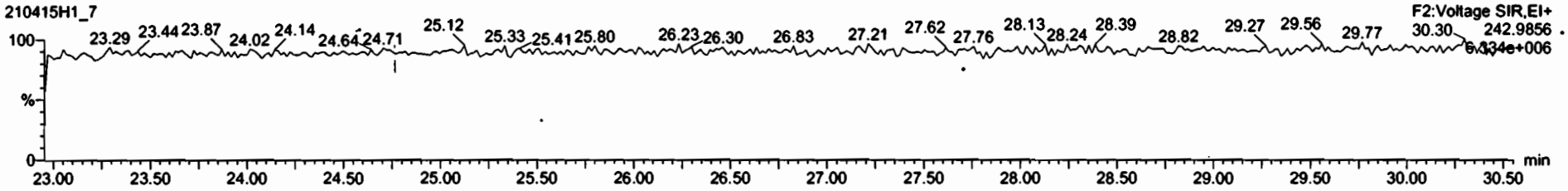


Dataset: Untitled

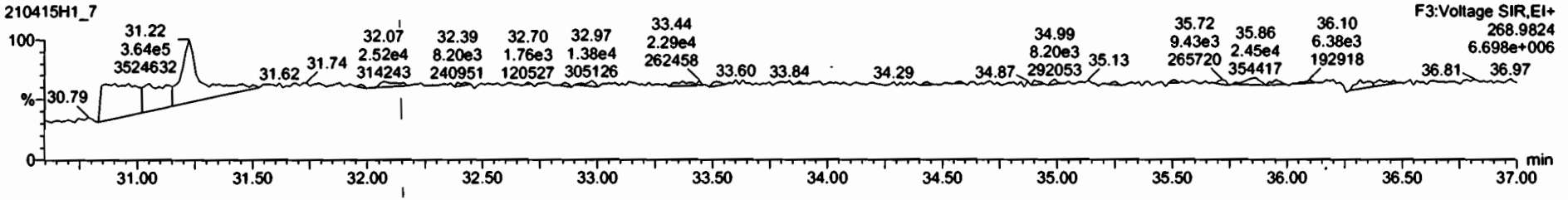
Last Altered: Friday, April 16, 2021 08:16:18 Pacific Daylight Time
Printed: Friday, April 16, 2021 08:45:49 Pacific Daylight Time

Name: 210415H1_7, Date: 15-Apr-2021, Time: 14:29:04, ID: 2103216-18RE1 USMPDI-067RAB-00-10-210316 1.4, Description: USMPDI-067RAB-00-10-210316

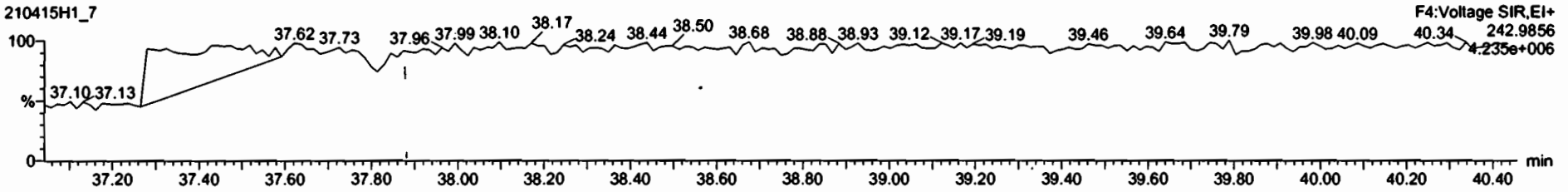
PFK2



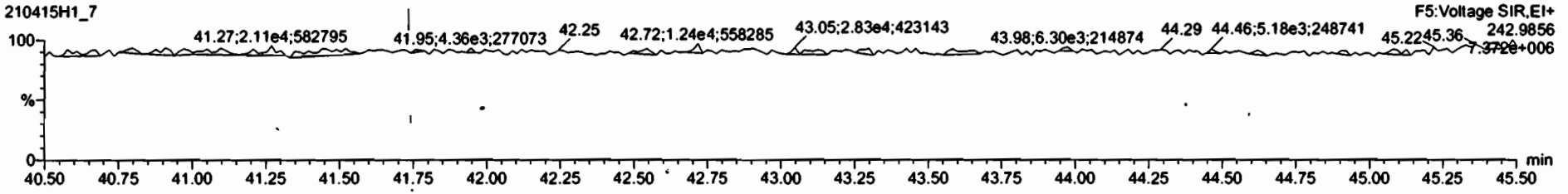
PFK3



PFK4



PFK5



Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_8.qld

Last Altered: Friday, April 16, 2021 11:48:00 Pacific Daylight Time
Printed: Friday, April 16, 2021 11:50:31 Pacific Daylight Time

oc 04/28/21
DF 04/16/21
C 05/03/2021

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_8, Date: 14-Apr-2021, Time: 15:28:35, ID: 2103216-19RE1 USMPDI-067RAB-10-20-210316 1.7, Description: USMPDI-067RAB-10-20-210316, Task: ST210414H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	4	Lindane (gamma-...		2.31e5		NO	0.860	1.277✓			1.000	YES			4.65	
2	9	Aldrin		1.20e4		NO	1.09	1.277			1.001	YES			14.6	
3	10	Oxychlordane		6.26e4		NO	1.06	1.277			1.001	YES			2.52	
4	13	trans-Chlordane (g...		4.88e4		NO	1.14	1.277			1.001	YES			2.39	
5	14	trans-Nonachlor		5.61e4		NO	1.06	1.277			1.000	YES			2.40	
6	15	cis-Chlordane		5.61e4		NO	1.16	1.277			1.016	YES			2.18	
7	18	2,4'-DDE		1.37e6	0.00	YES	1.02	1.277			1.000	NO			1.16	
8	19	4,4'-DDE	1.38e4	9.67e5	1.05	YES	1.04	1.277	36.81	1.001	1.000	NO	10.779		1.52	9.05
9	20	Dieldrin	4.81e2	9.00e4	2.08	YES	1.03	1.277	37.28	1.000	1.001	NO	4.0655		1.40	3.38
10	22	cis-Nonachlor		4.79e4		NO	1.00	1.277			1.000	YES			2.40	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_8.qld

Last Altered: Friday, April 16, 2021 11:48:00 Pacific Daylight Time
Printed: Friday, April 16, 2021 11:50:46 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_8, Date: 14-Apr-2021, Time: 15:28:35, ID: 2103216-19RE1 USMPDI-067RAB-10-20-210316 1.7, Description: USMPDI-067RAB-10-20-210316, Task: ST210414H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	24	2,4'-DDD		1.14e6	0.00	YES	1.07	1.277			1.000	NO			2.20	
2	25	2,4'-DDT		4.95e5		NO	1.05	1.277			1.000	YES			5.62	
3	26	4,4'-DDD		8.15e5		NO	1.16	1.277			1.000	YES			2.73	
4	27	4,4'-DDT	3.52e4	3.67e5	1.11	YES	1.13	1.277	40.20	1.000	1.001	NO	66.338		6.83	57.2
5	36	13C6-Lindane (ga...	2.31e5	1.41e6	0.77	NO	0.194	1.277	26.57	1.019	1.019	NO	664.47	84.8	3.25	
6	40	13C12-Aldrin	1.20e4	1.41e6	1.70	NO	0.154	1.277	30.79	1.181	1.181	NO	43.214	5.52	2.53	
7	41	13C10-Oxychlorda...	6.26e4	1.41e6	1.59	NO	0.0404	1.277	33.35	1.279	1.280	NO	861.35	110	9.64	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_8.qld

Last Altered: Friday, April 16, 2021 11:48:00 Pacific Daylight Time
Printed: Friday, April 16, 2021 11:50:54 Pacific Daylight Time

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Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_8, Date: 14-Apr-2021, Time: 15:28:35, ID: 2103216-19RE1 USMPDI-067RAB-10-20-210316 1.7, Description: USMPDI-067RAB-10-20-210316, Task: ST210414H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	43	13C10-trans-Chlor...	4.88e4	1.41e6	1.55	NO	0.0358	1.277	35.05	1.344	1.344	NO	756.83	96.6	10.9	
2	44	13C10-trans-Nona...	5.61e4	8.97e5	1.61	NO	0.0638	1.277	35.24	0.983	0.983	NO	768.06	98.1	5.58	
3	46	13C12-2,4'-DDE	1.37e6	8.97e5	1.58	NO	1.43	1.277	35.70	0.996	0.995	NO	835.08	107	1.37	
4	47	13C12-4,4'-DDE	9.67e5	8.97e5	1.56	NO	0.995	1.277	36.78	1.026	1.026	NO	848.61	108	1.98	
5	48	13C12-Dieldrin	9.00e4	8.97e5	1.68	NO	0.146	1.277	37.28	1.040	1.040	NO	537.29	68.6	8.66	
6	50	13C10-cis-Nonach...	4.79e4	8.97e5	1.50	NO	0.0791	1.277	38.94	1.086	1.087	NO	528.74	67.5	16.0	
7	52	13C12-2,4'-DDD	1.14e6	8.97e5	1.57	NO	1.35	1.277	37.89	1.057	1.057	NO	734.81	93.8	1.69	
8	53	13C12-2,4'-DDT	4.95e5	8.97e5	1.57	NO	0.962	1.277	39.00	1.088	1.089	NO	449.08	57.3	2.37	
9	54	13C12-4,4'-DDD	8.15e5	8.97e5	1.60	NO	1.12	1.277	39.13	1.092	1.092	NO	633.27	80.9	2.03	
10	55	13C12-4,4'-DDT	3.67e5	8.97e5	1.63	NO	0.735	1.277	40.19	1.121	1.122	NO	435.44	55.6	3.11	
11	62	13C-PCB-15	1.41e6	1.41e6	1.55	NO	1.00	1.277	26.07	1.000	1.000	NO	783.24	100	0.487	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_8.qld

Last Altered: Friday, April 16, 2021 11:48:00 Pacific Daylight Time
Printed: Friday, April 16, 2021 11:50:57 Pacific Daylight Time

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Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_8, Date: 14-Apr-2021, Time: 15:28:35, ID: 2103216-19RE1 USMPDI-067RAB-10-20-210316 1.7, Description: USMPDI-067RAB-10-20-210316, Task: ST210414H1_1

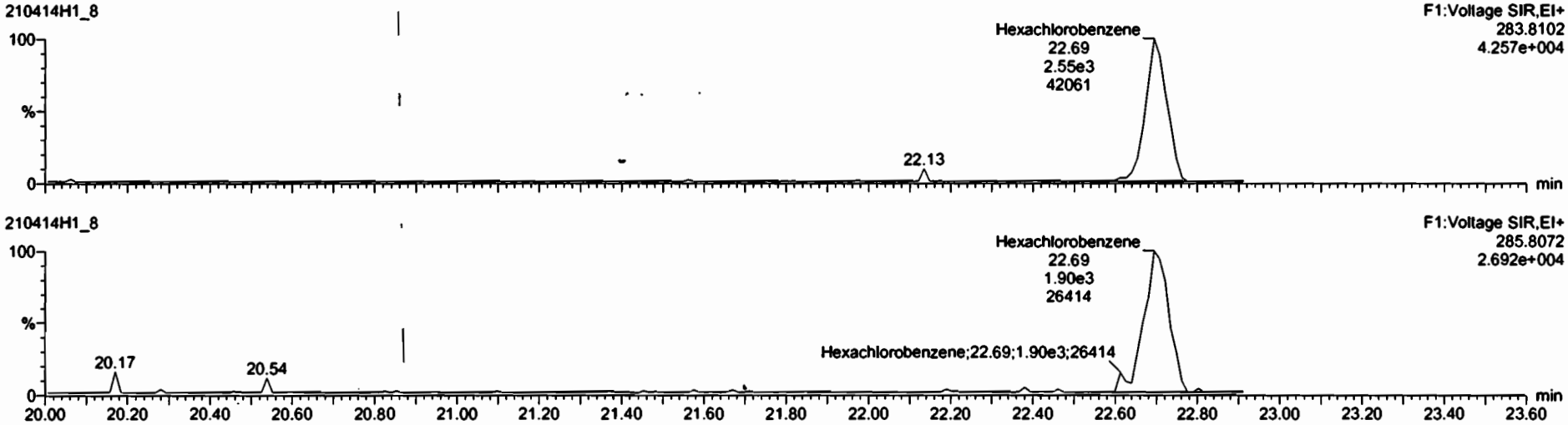
	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	63	13C-PCB-60	8.97e5	8.97e5	0.80	NO	1.00	1.277	35.85	1.000	1.000	NO	783.24	100	0.980	

Dataset: Untitled

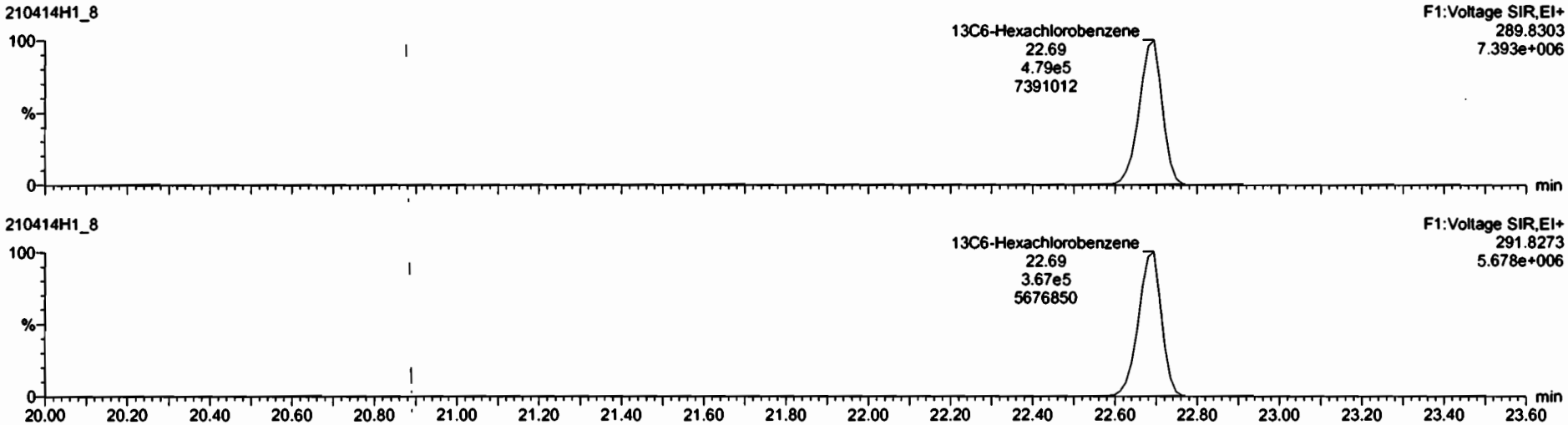
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_8, Date: 14-Apr-2021, Time: 15:28:35, ID: 2103216-19RE1 USMPDI-067RAB-10-20-210316 1.7, Description: USMPDI-067RAB-10-20-210316

Hexachlorobenzene



13C6-Hexachlorobenzene



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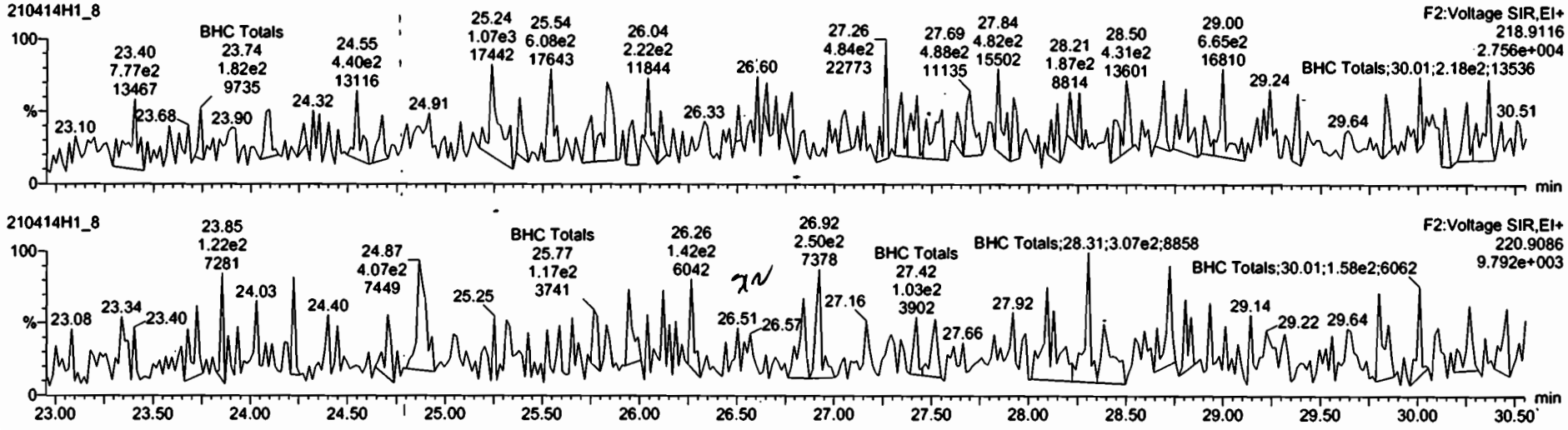
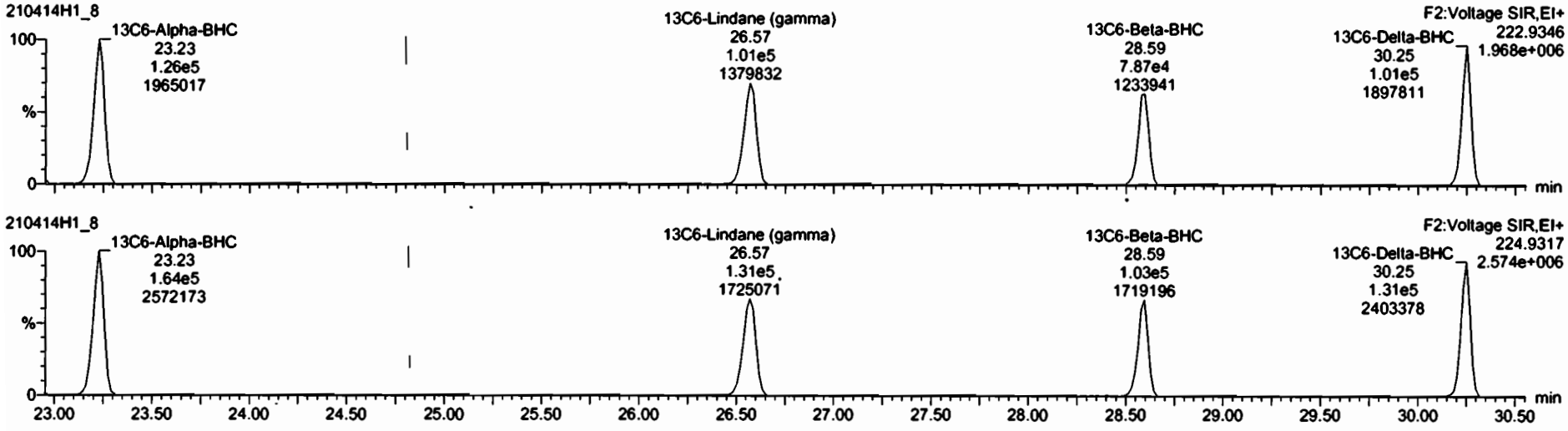
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_8, Date: 14-Apr-2021, Time: 15:28:35, ID: 2103216-19RE1 USMPDI-067RAB-10-20-210316 1.7, Description: USMPDI-067RAB-10-20-210316

BHC Totals



BHC-isotopes



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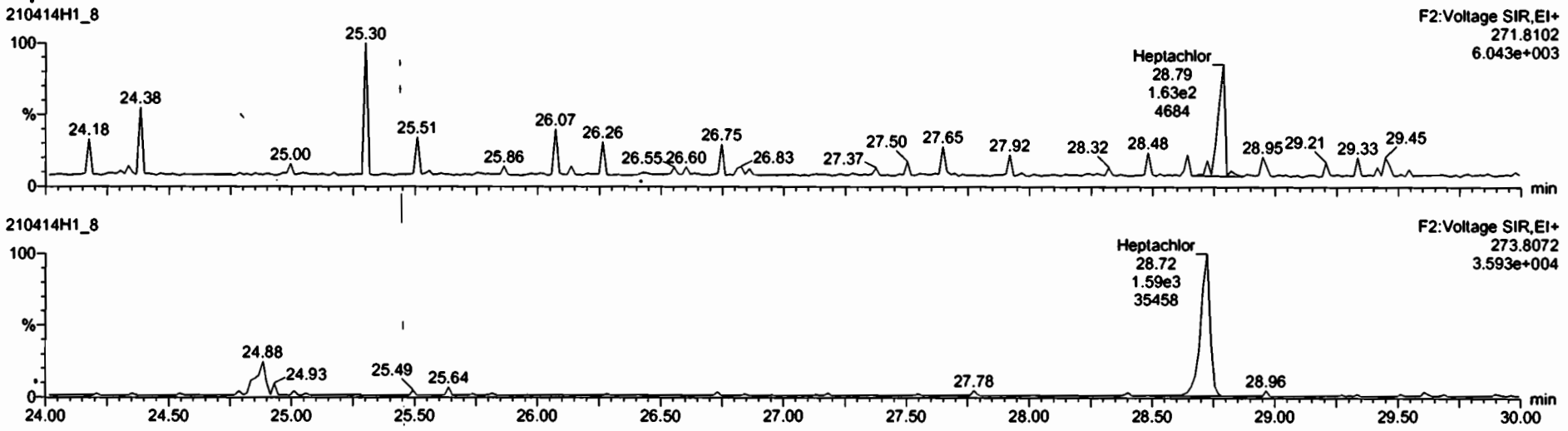
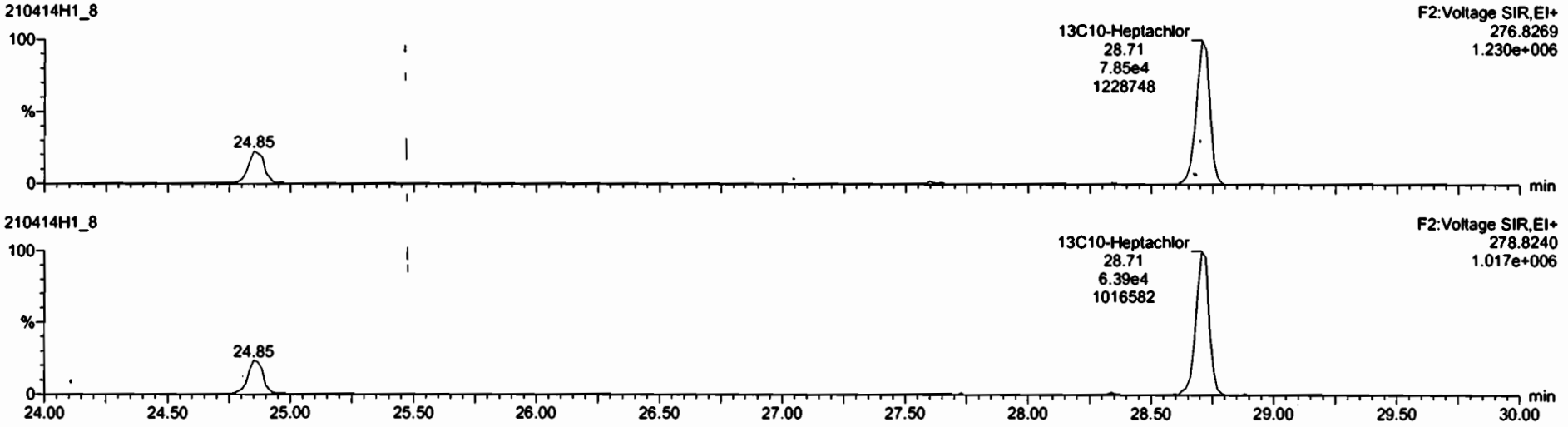
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_8, Date: 14-Apr-2021, Time: 15:28:35, ID: 2103216-19RE1 USMPDI-067RAB-10-20-210316 1.7, Description: USMPDI-067RAB-10-20-210316

Heptachlor



13C10-Heptachlor



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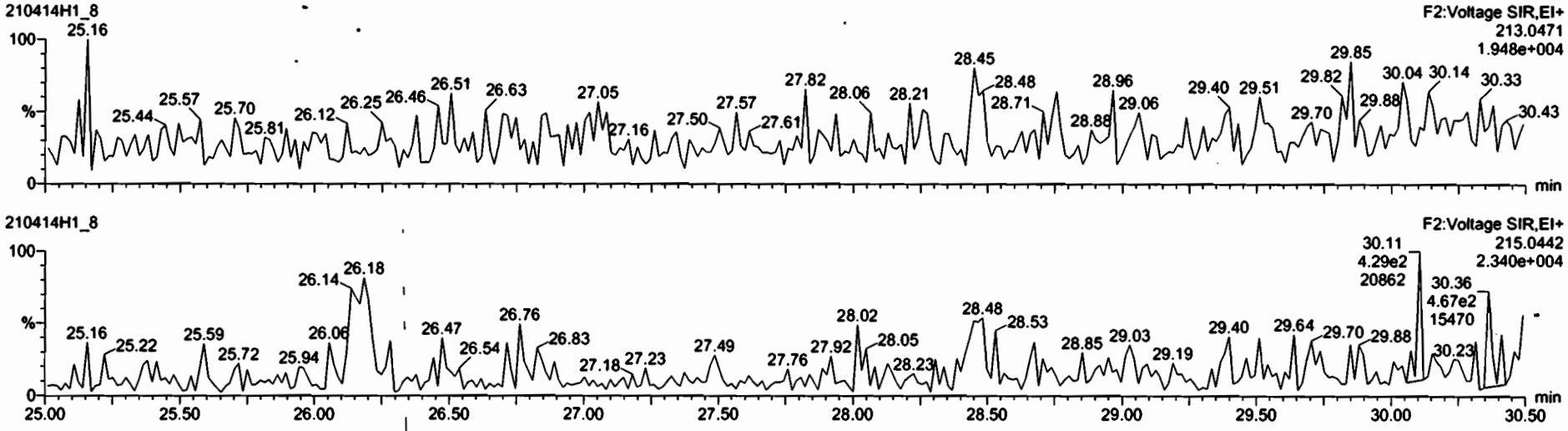
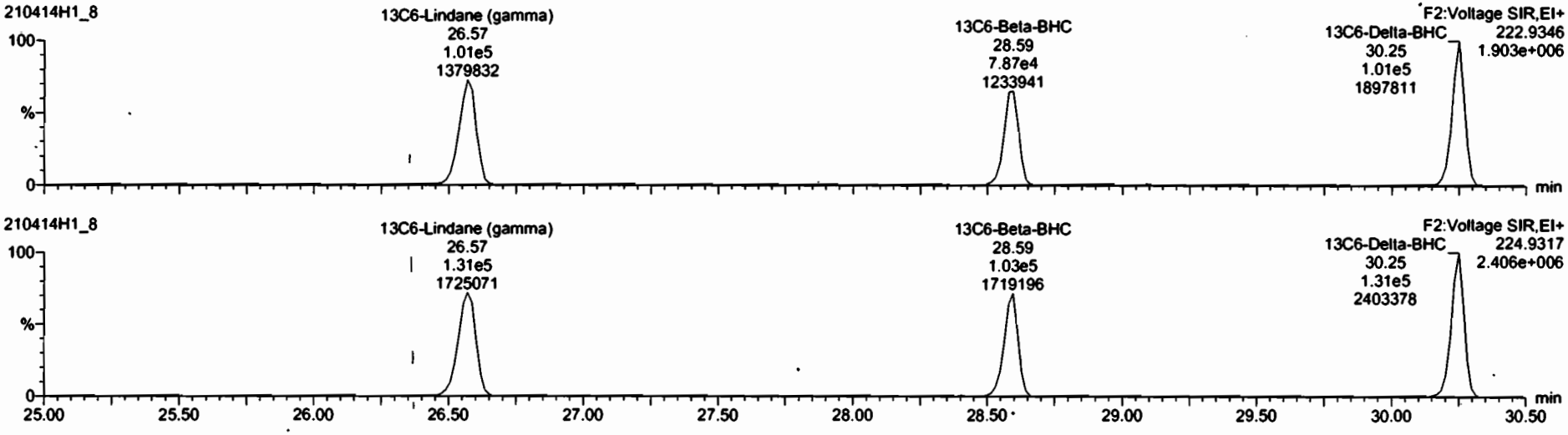
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_8, Date: 14-Apr-2021, Time: 15:28:35, ID: 2103216-19RE1 USMPDI-067RAB-10-20-210316 1.7, Description: USMPDI-067RAB-10-20-210316

4,4'-DDNU



13C6-Delta-BHC



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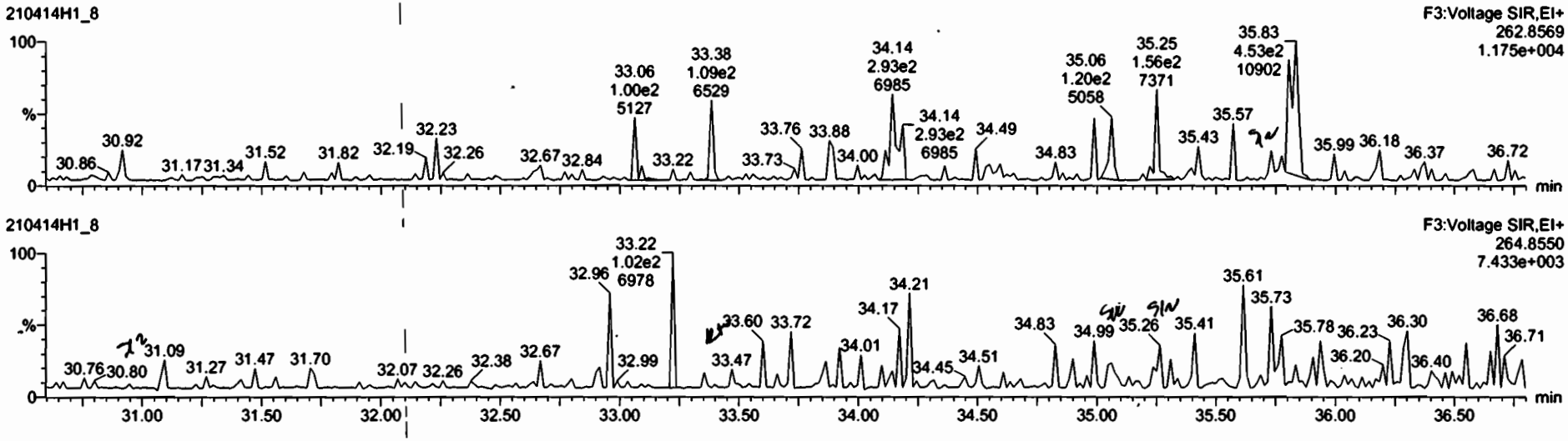
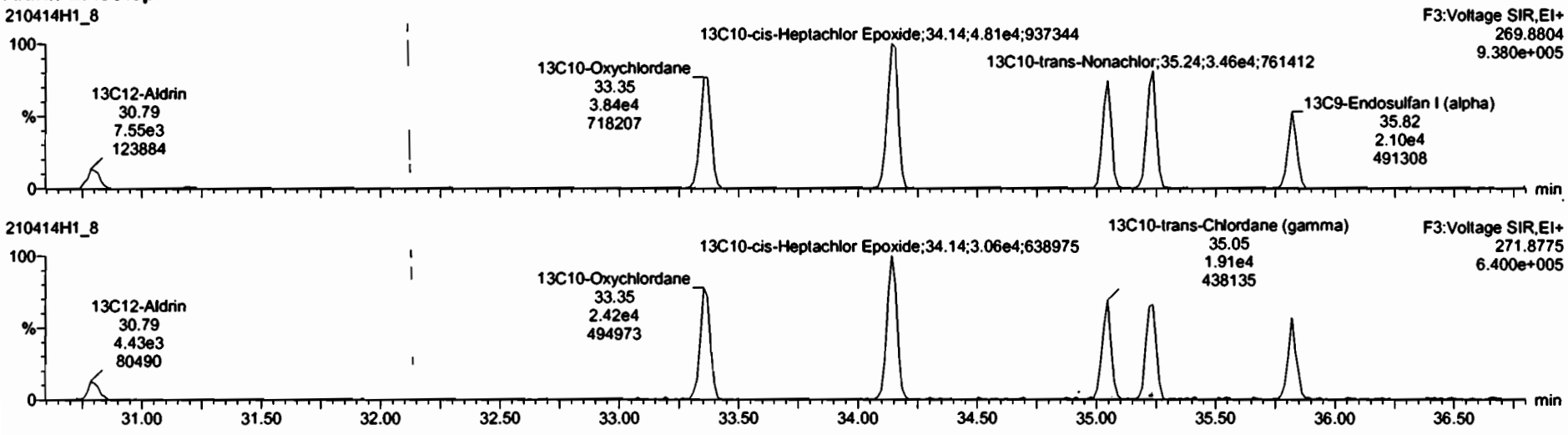
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_8, Date: 14-Apr-2021, Time: 15:28:35, ID: 2103216-19RE1 USMPDI-067RAB-10-20-210316 1.7, Description: USMPDI-067RAB-10-20-210316

Aldrin-EI



Aldrin-EI-isotopes

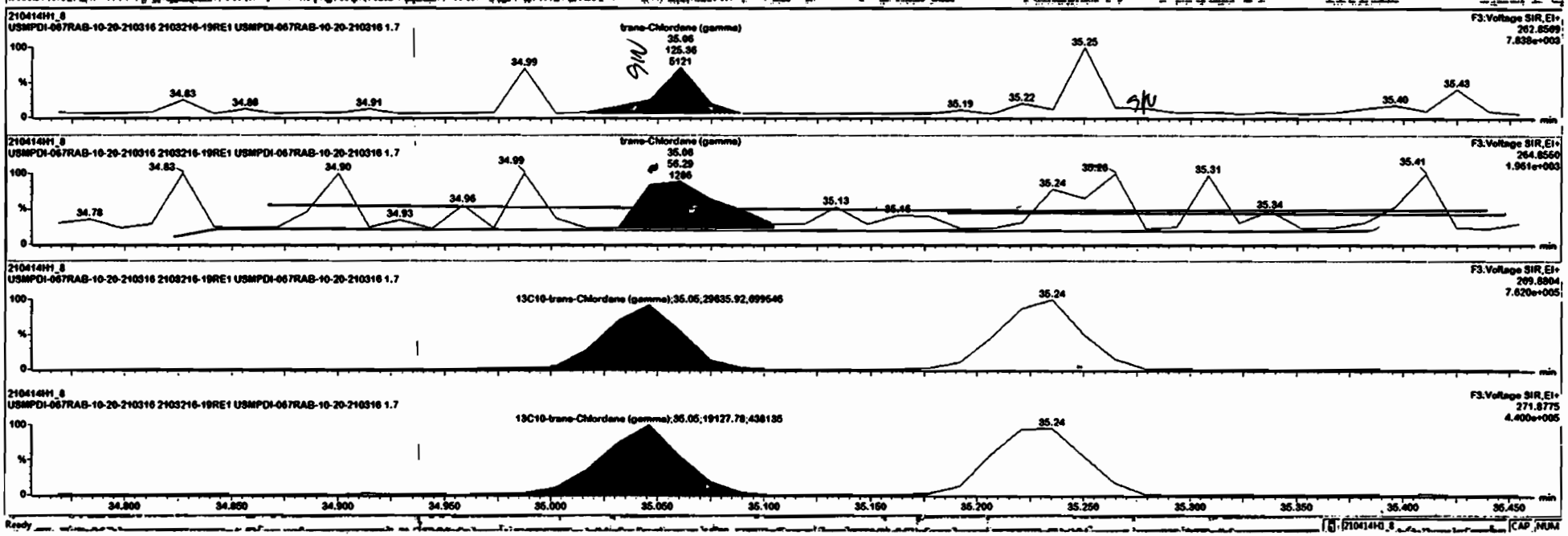


TargetLynx - 210414H1_8.qld * - Chromatogram

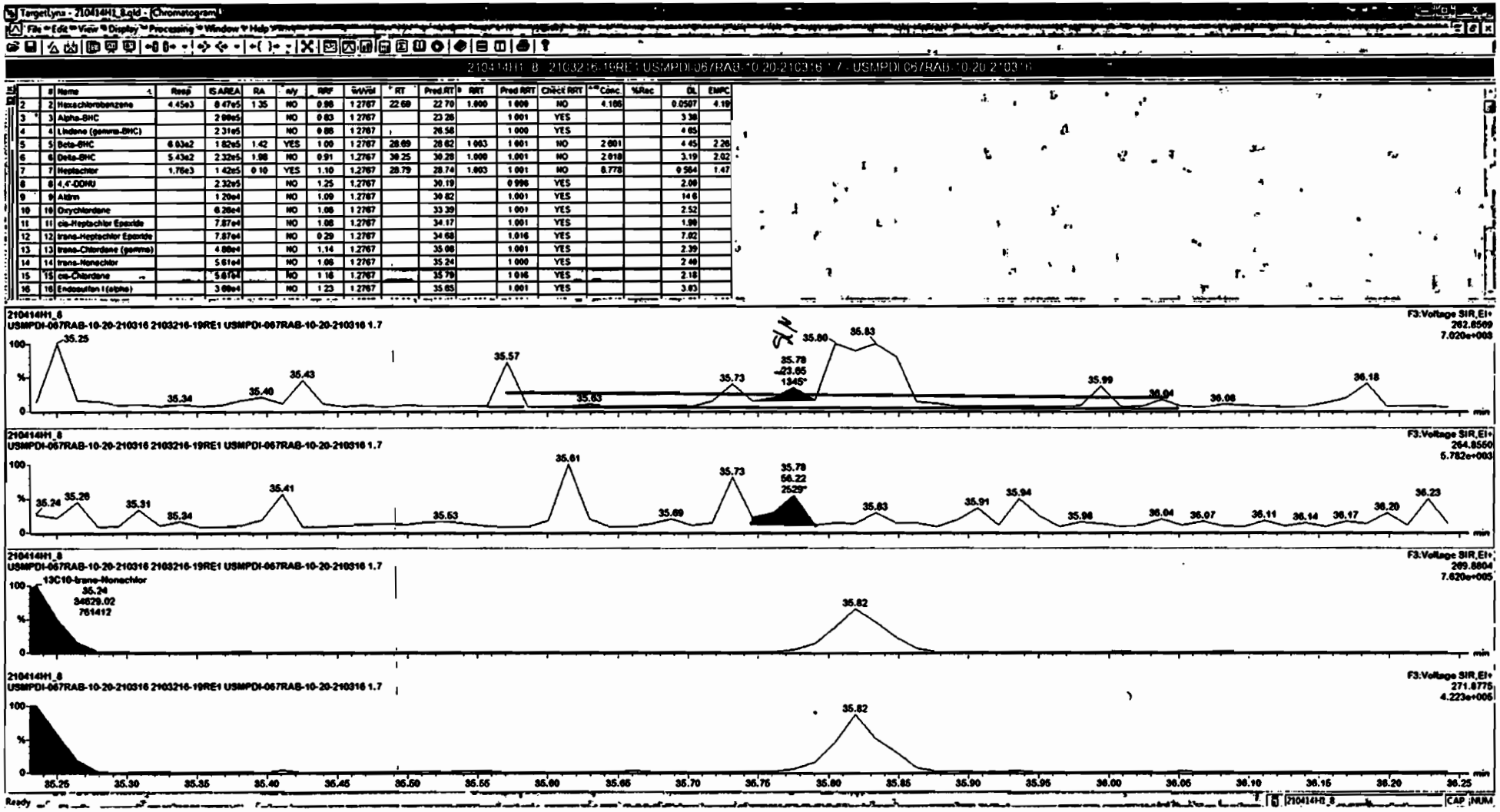
File Edit View Display Processing Window Help

210414H1_8 - 2103216-19RE1 USMPDI-067RAB-10-20-210316 1.7 - USMPDI-067RAB-10-20-210316

	#	Name	Resp	S AREA	RA	IVy	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
1	1	Hexachlorobutadiene	6.49e4	1.29e6	0.05	YES	0.10	1.2767	9.98	10.00	1.000	1.002	NO	3858		2.13	361
2	2	Hexachlorobenzene	4.45e3	8.47e5	1.35	NO	0.98	1.2767	22.69	22.71	1.000	1.000	NO	4.188		0.0507	4.19
3	3	Alpha-BHC		2.90e5		NO	0.83	1.2767		23.26		1.001	YES			3.38	
4	4	Lindane (gamma-BHC)		2.31e5		NO	0.86	1.2767		26.58		1.000	YES			4.65	
5	5	Beta-BHC	6.03e2	1.82e5	1.42	YES	1.00	1.2767	28.69	28.62	1.003	1.001	NO	2.601		4.45	2.26
6	6	Delta-BHC	5.43e2	2.32e5	1.98	NO	0.91	1.2767	30.25	30.28	1.000	1.001	NO	2.018		3.19	2.02
7	7	Heptachlor	1.76e3	1.42e5	0.10	YES	1.10	1.2767	28.79	28.74	1.003	1.001	NO	8.778		0.564	1.47
8	8	4,4'-DDMU		2.32e5		NO	1.25	1.2767		30.19		0.998	YES			2.00	
9	9	Aldrin		1.26e4		NO	1.09	1.2767		30.82		1.001	YES			14.6	
10	10	Oxychlordane		6.26e4		NO	1.08	1.2767		33.39		1.001	YES			2.52	
11	11	cis-Heptachlor Epoxide		7.87e4		NO	1.08	1.2767		34.18		1.001	YES			1.90	
12	12	trans-Heptachlor Epoxide		7.87e4		NO	0.29	1.2767		34.68		1.016	YES			7.02	
13	13	trans-Chlordane (gamma)	1.82e2	4.88e4	2.23	YES	1.14	1.2767	35.06	35.08	1.000	1.001	NO	2.568		2.39	2.04
14	14	trans-Nonachlor		5.61e4		NO	1.08	1.2767		35.24		1.000	YES			2.40	
15	15	cis-Chlordane		5.61e4		NO	1.16	1.2767		35.79		1.016	YES			2.18	



Ready


TargetLynx - 210414H1_8.qld - [Chromatogram]
File Edit View Display Processing Window Help
210414H1_8 2103216-19RE1 USMPDI-067RAB-10-20-210316 1.7 - USMPDI-067RAB-10-20-210316
Name
Hexachlorobenzene
Alpha-BHC
Lindane (gamma-BHC)
Beta-BHC
Delta-BHC
Heptachlor
4,4'-DDMU
Aldrin
Oxychlordane
cis-Heptachlor Epoxide
trans-Heptachlor Epoxide
trans-Chlordane (gamma)
trans-Nonachlor
cis-Chlordane
Endosulfan I (alpha)
F3:Voltage SIR,EI+
262.8569
7.020e+003
264.8550
5.782e+003
269.8604
7.620e+005
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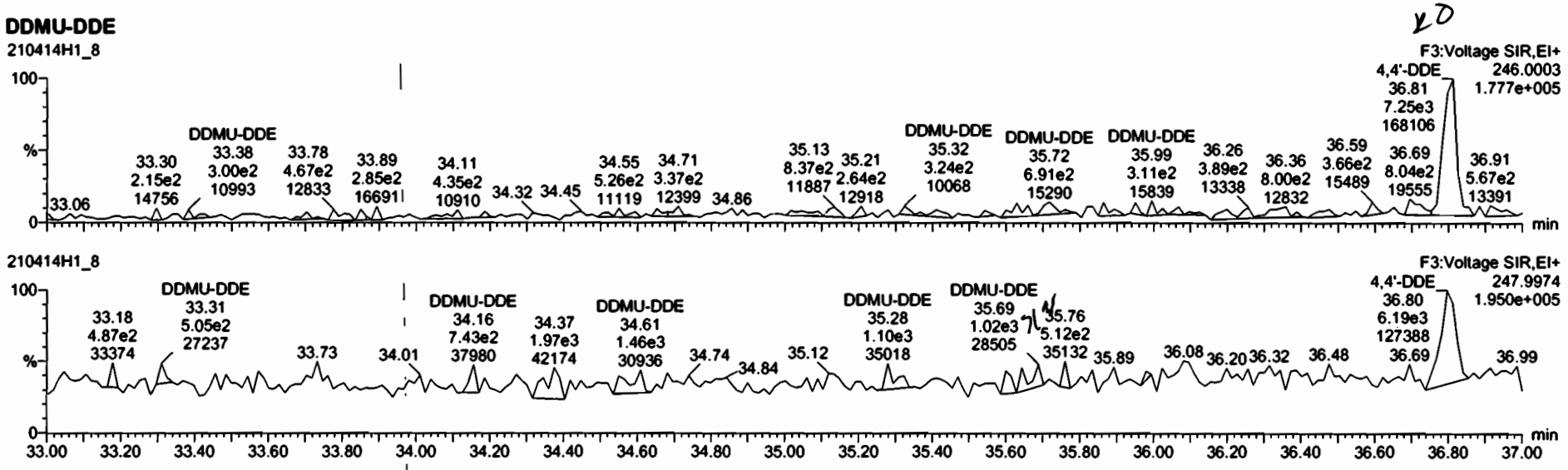
4.223e+005
13C10-trans-Nonachlor
35.24
34629.02
761412
Ready
CAP NUM

Dataset: Untitled

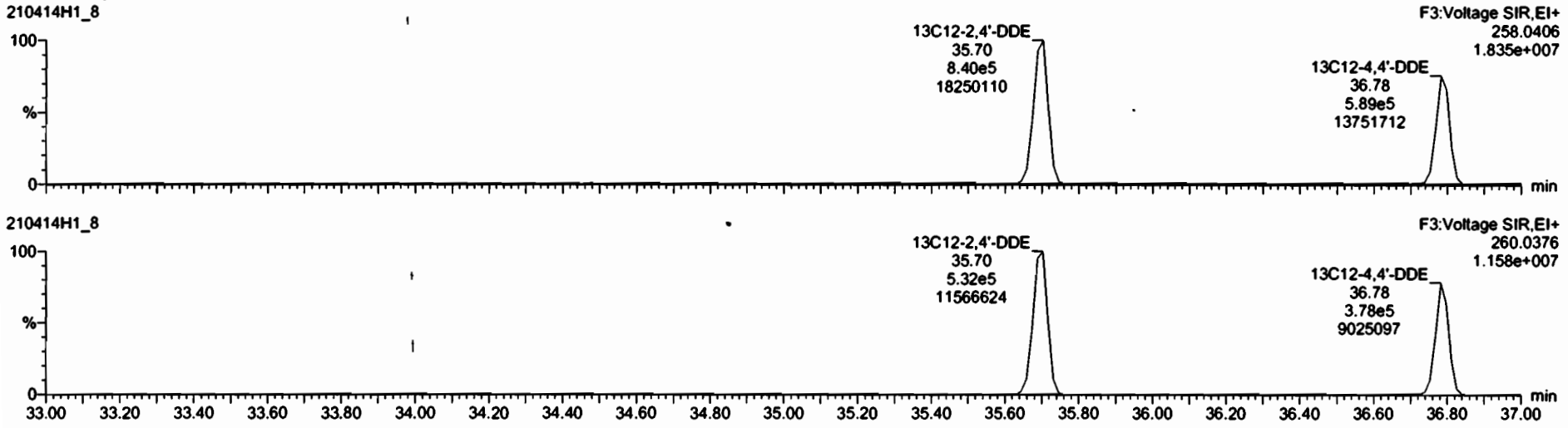
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

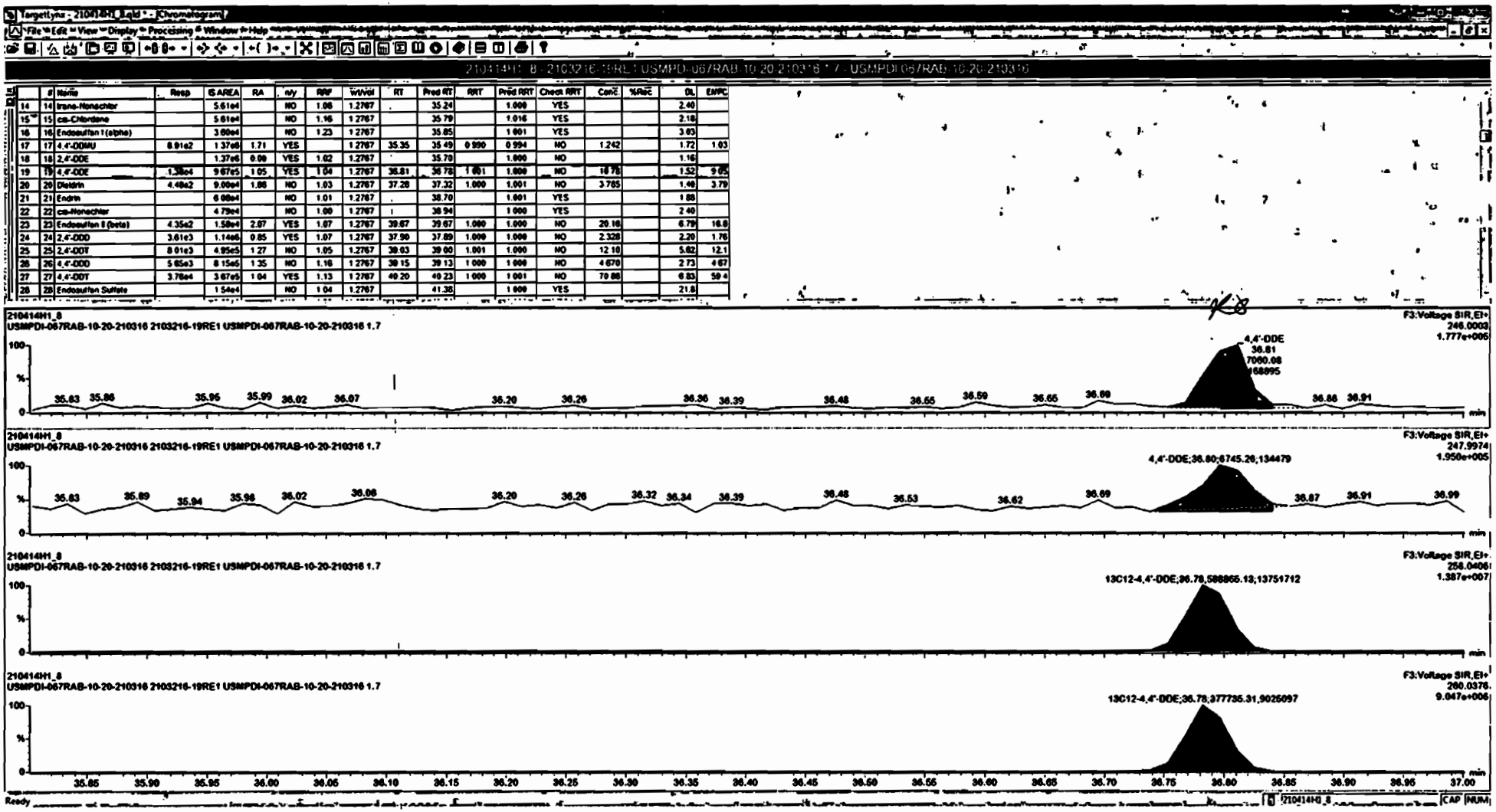
Name: 210414H1_8, Date: 14-Apr-2021, Time: 15:28:35, ID: 2103216-19RE1 USMPDI-067RAB-10-20-210316 1.7, Description: USMPDI-067RAB-10-20-210316

DDMU-DDE



DDE-isotopes





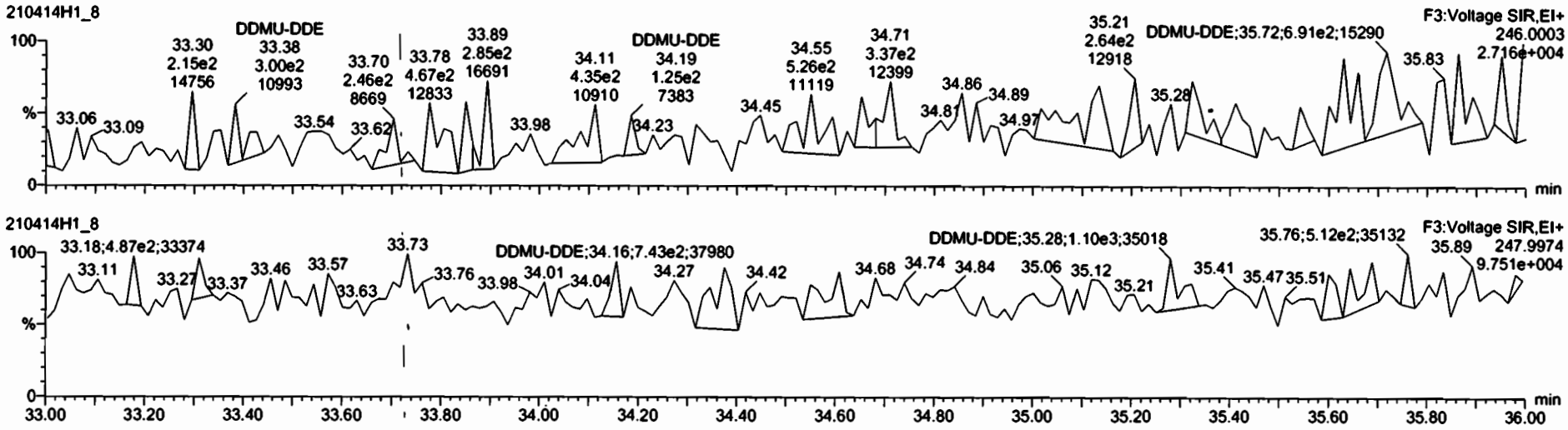
	#	Name	Resp	IS AREA	RA	n/y	RRF	w/v/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
14	14	trans-Nonachlor		5.61e4		NO	1.08	1.2767		35.24		1.000	YES			2.40	
15	15	cis-Chlordane		5.61e4		NO	1.16	1.2767		35.79		1.016	YES			2.18	
16	16	Endosulfan I (alpha)		3.60e4		NO	1.23	1.2767		35.85		1.001	YES			3.03	
17	17	4,4'-DDMU	8.91e2	1.37e6	1.71	YES		1.2767	35.35	35.49	0.990	0.994	NO	1.242		1.72	1.03
18	18	2,4'-DDE		1.37e6	0.00	YES	1.02	1.2767		35.79		1.000	NO			1.16	
19	19	4,4'-DDE	1.38e4	9.67e5	1.05	YES	1.04	1.2767	36.81	36.78	1.001	1.000	NO	16.78		1.52	9.05
20	20	Dieldrin	4.48e2	9.00e4	1.86	NO	1.03	1.2767	37.28	37.32	1.000	1.001	NO	3.785		1.49	3.79
21	21	Endrin		6.68e4		NO	1.01	1.2767		38.70		1.001	YES			1.88	
22	22	cis-Nonachlor		4.79e4		NO	1.00	1.2767		38.94		1.000	YES			2.40	
23	23	Endosulfan II (beta)	4.35e2	1.58e4	2.87	YES	1.07	1.2767	39.67	39.67	1.000	1.000	NO	20.16		6.79	16.8
24	24	2,4'-DDD	3.61e3	1.14e6	0.85	YES	1.07	1.2767	37.90	37.89	1.000	1.000	NO	2.328		2.20	1.76
25	25	2,4'-DDT	8.01e3	4.95e5	1.27	NO	1.05	1.2767	39.03	39.00	1.001	1.000	NO	12.10		5.62	12.1
26	26	4,4'-DDD	5.65e3	8.15e5	1.35	NO	1.16	1.2767	39.15	39.13	1.000	1.000	NO	4.670		2.73	4.67
27	27	4,4'-DDT	3.78e4	3.67e5	1.04	YES	1.13	1.2767	40.20	40.23	1.000	1.001	NO	79.86		6.83	59.4
28	28	Endosulfan Sulfate		1.54e4		NO	1.04	1.2767		41.38		1.000	YES			21.8	

Dataset: Untitled

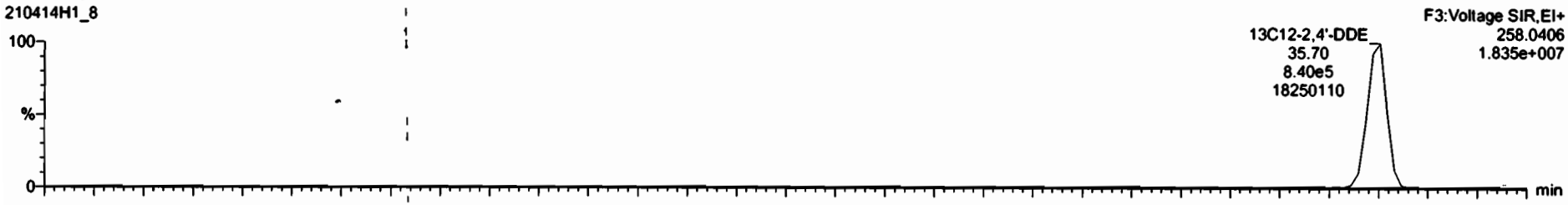
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

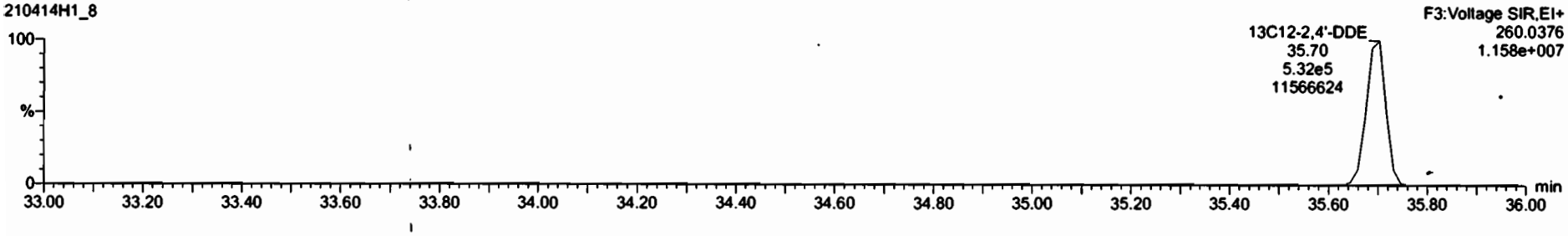
Name: 210414H1_8, Date: 14-Apr-2021, Time: 15:28:35, ID: 2103216-19RE1 USMPDI-067RAB-10-20-210316 1.7, Description: USMPDI-067RAB-10-20-210316

2,4'-DDE



13C12-2,4'-DDE





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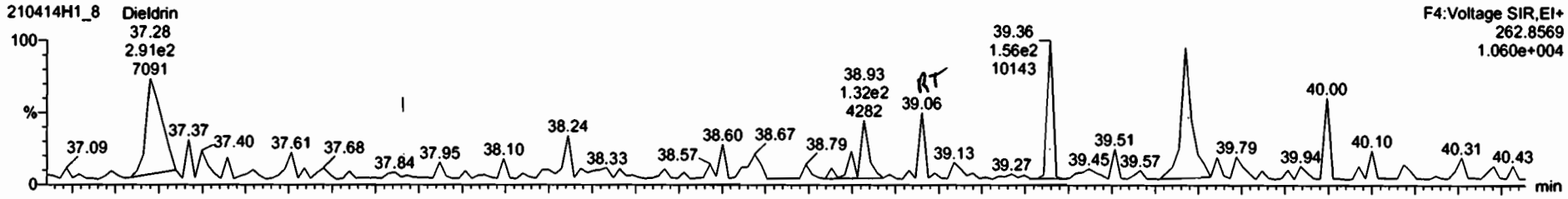
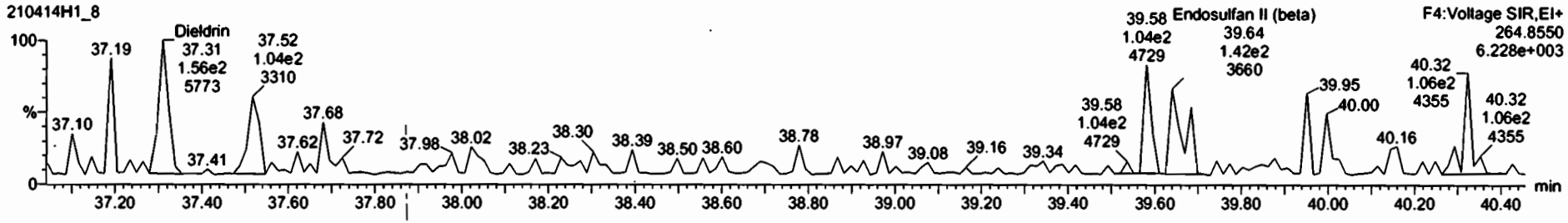
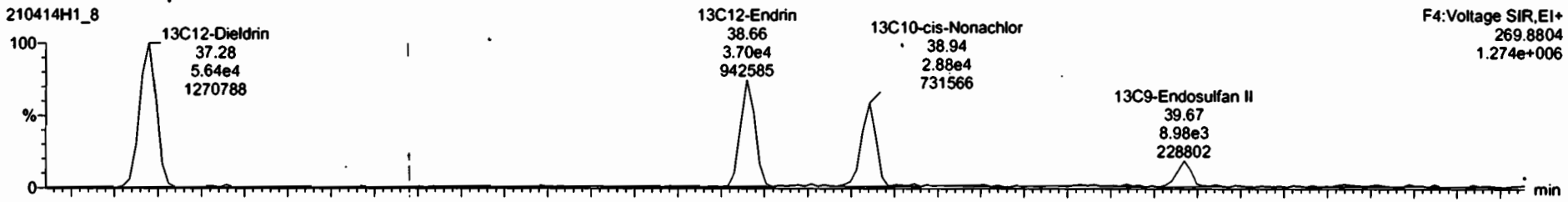
Name: 210414H1_8, Date: 14-Apr-2021, Time: 15:28:35, ID: 2103216-19RE1 USMPDI-067RAB-10-20-210316 1.7, Description: USMPDI-067RAB-10-20-210316

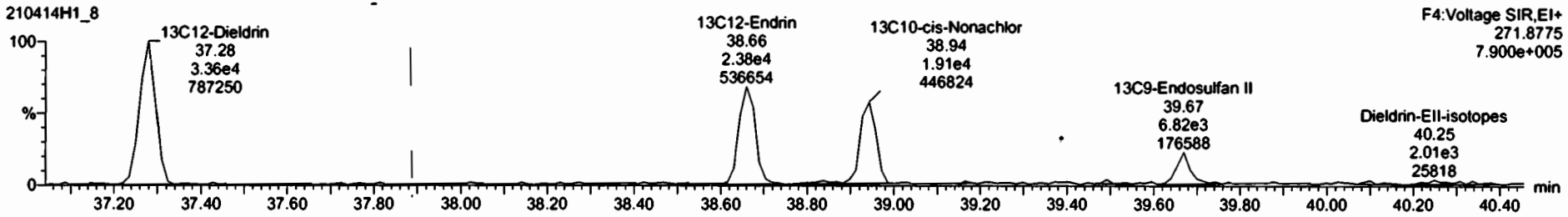
Dieldrin-EII DD

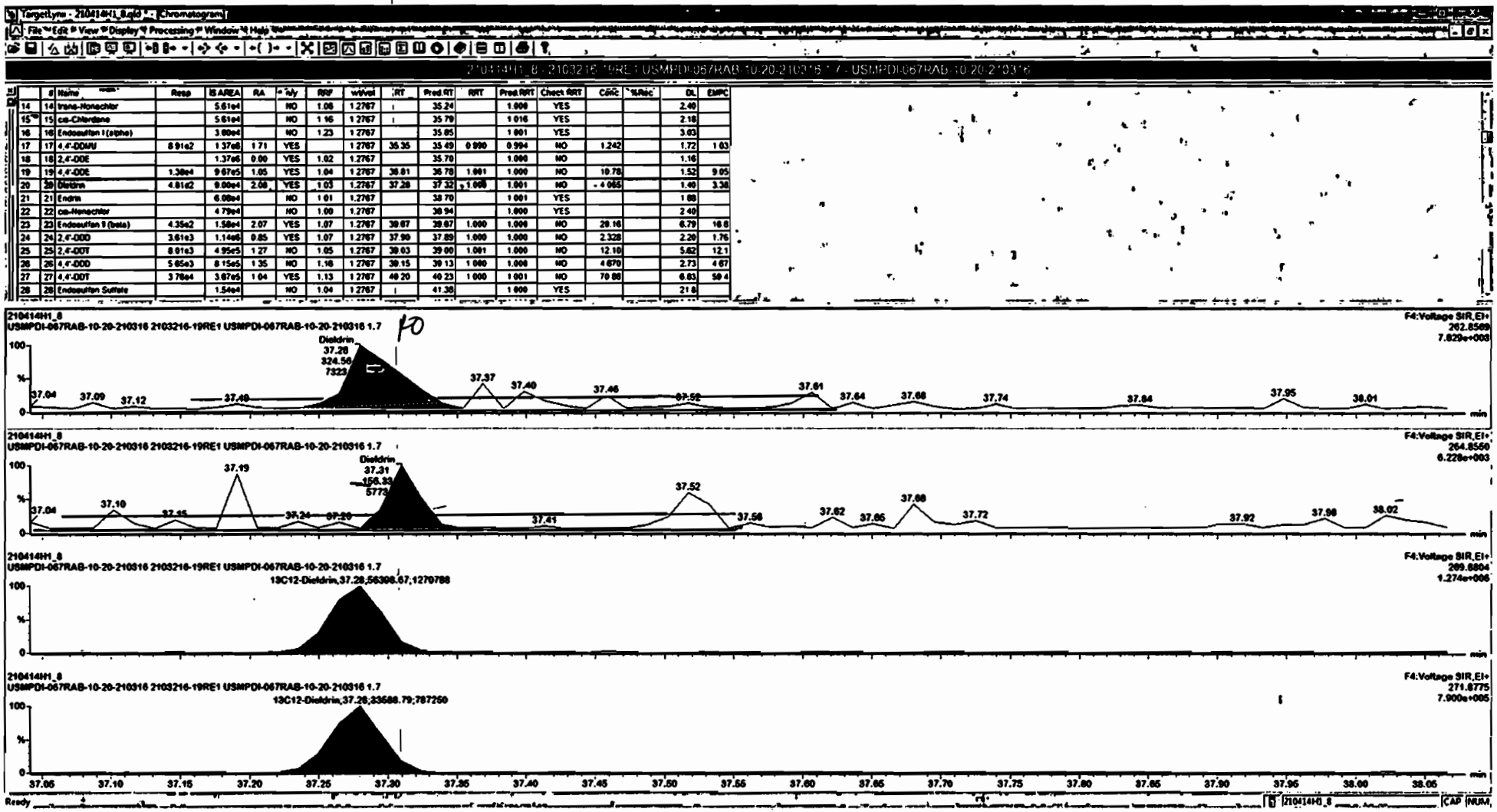




Dieldrin-EII-isotopes







	#	Name	Resp	IS AREA	RA	Qualy	RRF	wtVol	RT	Prod RT	RRT	Prod RRT	Check RRT	Conc	%Rec	DL	EMPC
14	14	trans-Nonachlor		5.61e4		NO	1.08	1.2767		35.24		1.000	YES			2.40	
15	15	cis-Chlordane		5.61e4		NO	1.16	1.2767		35.79		1.016	YES			2.18	
16	16	Endosulfan I (alpha)		3.80e4		NO	1.23	1.2767		35.85		1.001	YES			3.03	
17	17	4,4'-DDMU	8.91e2	1.37e6	1.71	YES		1.2767	35.35	35.49	0.990	0.994	NO	1.242		1.72	1.03
18	18	2,4'-DDE		1.37e6	0.00	YES	1.02	1.2767		35.70		1.000	NO			1.16	
19	19	4,4'-DDE	1.38e4	9.67e5	1.05	YES	1.04	1.2767	36.81	36.78	1.001	1.000	NO	10.78		1.52	9.05
20	20	Dieldrin	4.81e2	9.00e4	2.08	YES	1.03	1.2767	37.28	37.32	1.008	1.001	NO	4.065		1.49	3.38
21	21	Endrin		6.08e4		NO	1.01	1.2767		38.70		1.001	YES			1.88	
22	22	cis-Nonachlor		4.79e4		NO	1.00	1.2767		36.94		1.000	YES			2.40	
23	23	Endosulfan II (beta)	4.35e2	1.58e4	2.07	YES	1.07	1.2767	39.07	39.07	1.000	1.000	NO	29.16		6.79	16.6
24	24	2,4'-DDD	3.61e3	1.14e6	0.85	YES	1.07	1.2767	37.90	37.89	1.000	1.000	NO	2.328		2.20	1.76
25	25	2,4'-DDT	8.01e3	4.95e5	1.27	NO	1.05	1.2767	39.03	39.00	1.001	1.000	NO	12.10		5.62	12.1
26	26	4,4'-DDD	5.65e3	8.15e5	1.35	NO	1.16	1.2767	39.15	39.13	1.000	1.000	NO	4.670		2.73	4.67
27	27	4,4'-DDT	3.78e4	3.67e5	1.04	YES	1.13	1.2767	40.20	40.23	1.000	1.001	NO	70.88		6.83	59.4
28	28	Endosulfan Sulfate		1.54e4		NO	1.04	1.2767		41.38		1.000	YES			21.8	

Dataset: Untitled

Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
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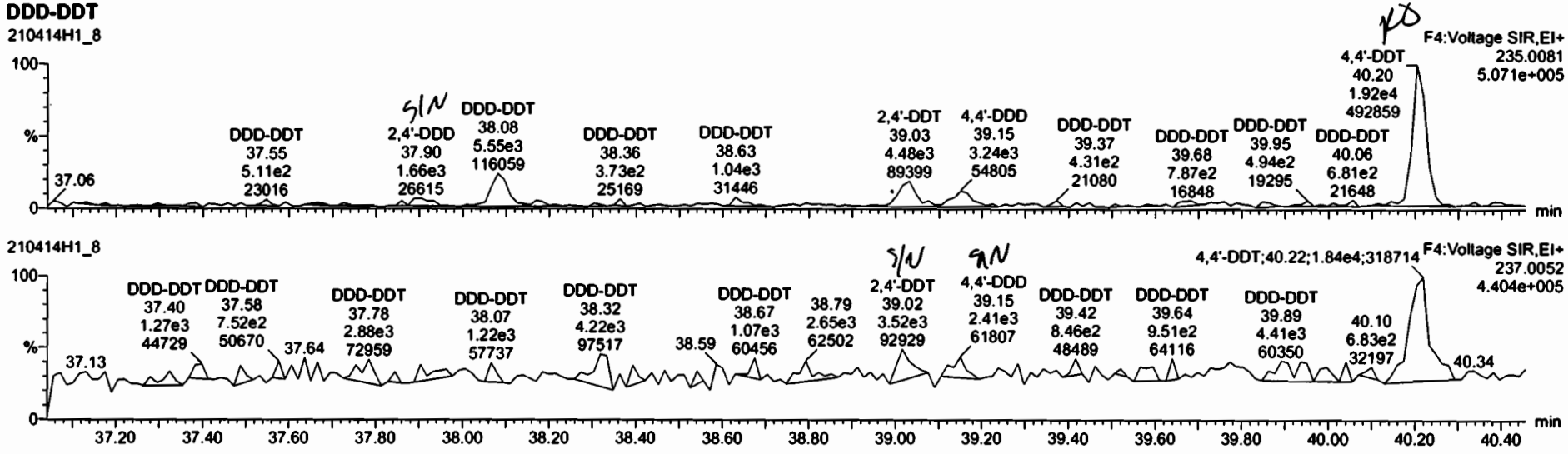
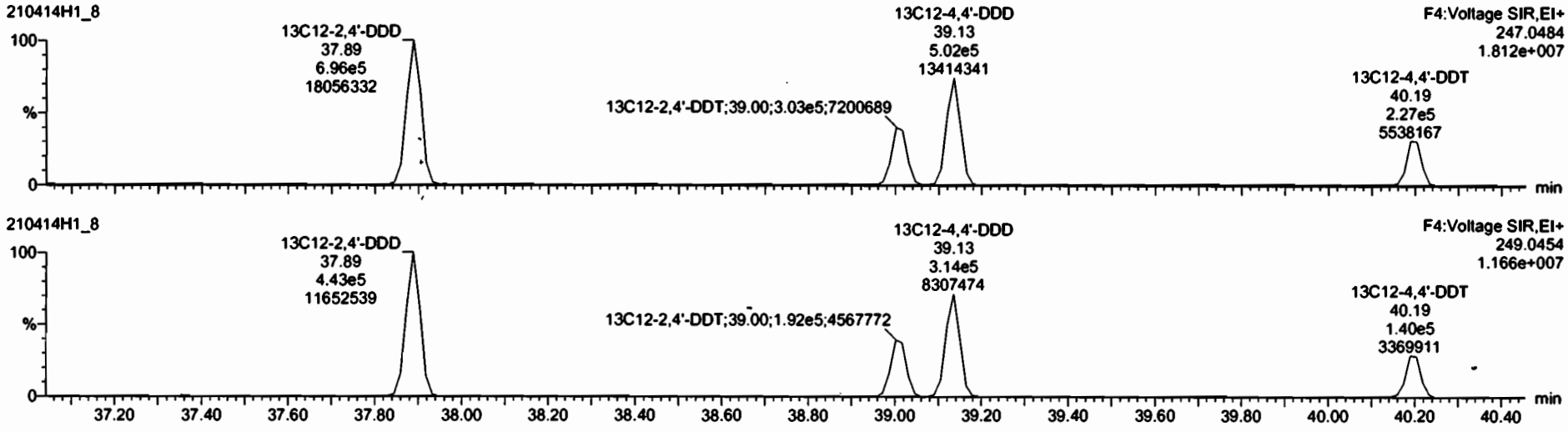
Name: 210414H1_8, Date: 14-Apr-2021, Time: 15:28:35, ID: 2103216-19RE1 USMPDI-067RAB-10-20-210316 1.7, Description: USMPDI-067RAB-10-20-210316

DDD-DDT



DDD-DDT-isotopes

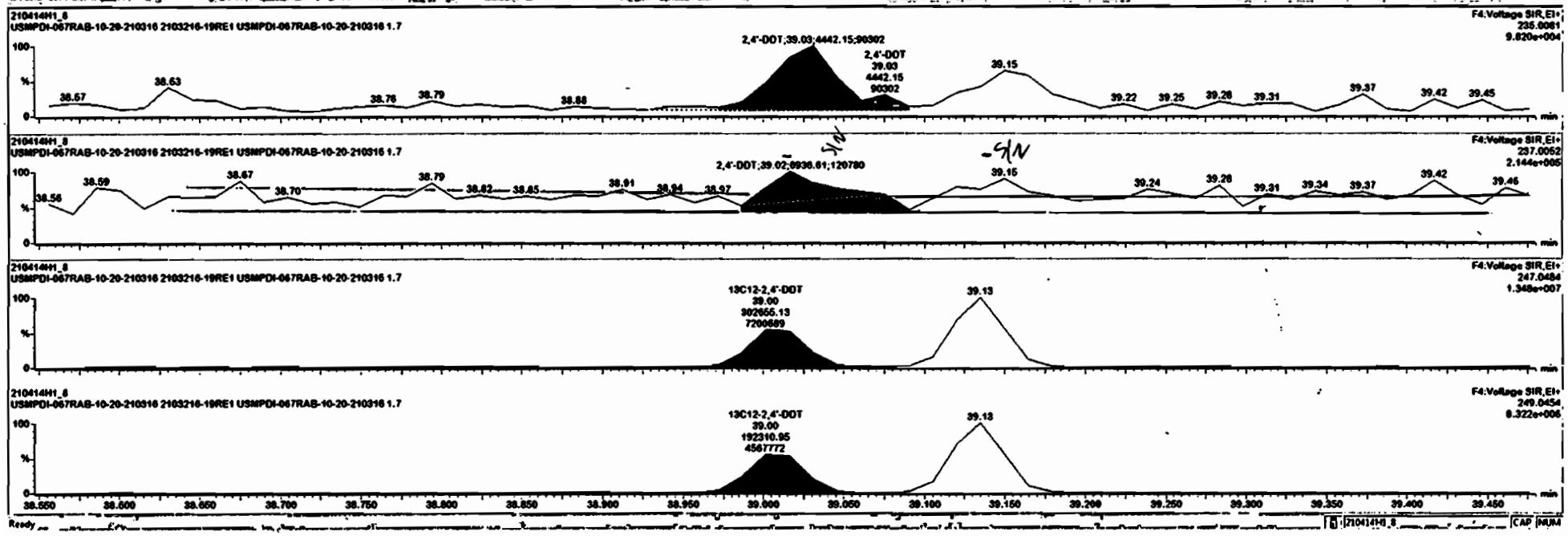


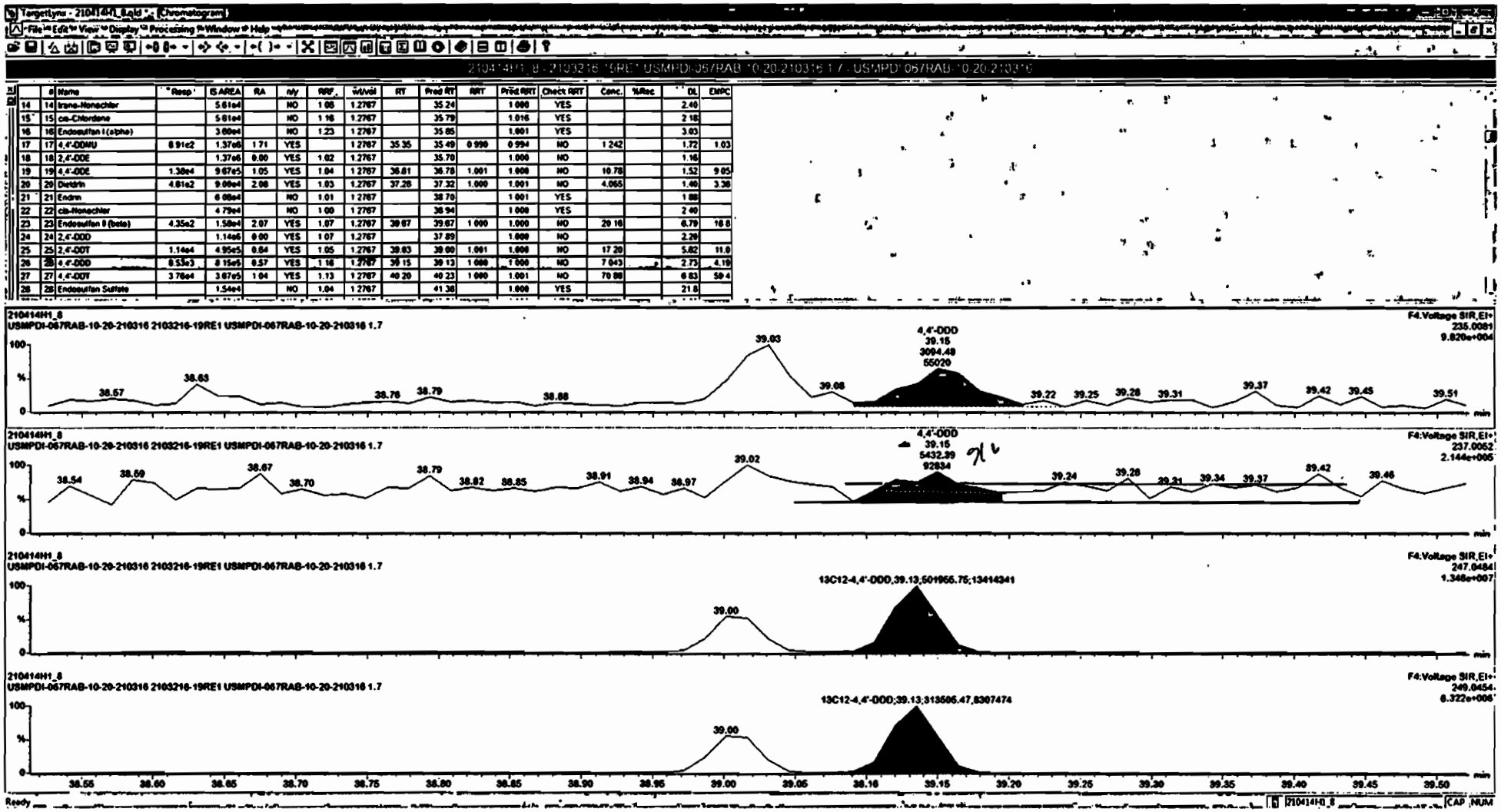
TargetLynx - 210414H1_8.qld - [Chromatogram]

File Edit View Display Processing Window Help

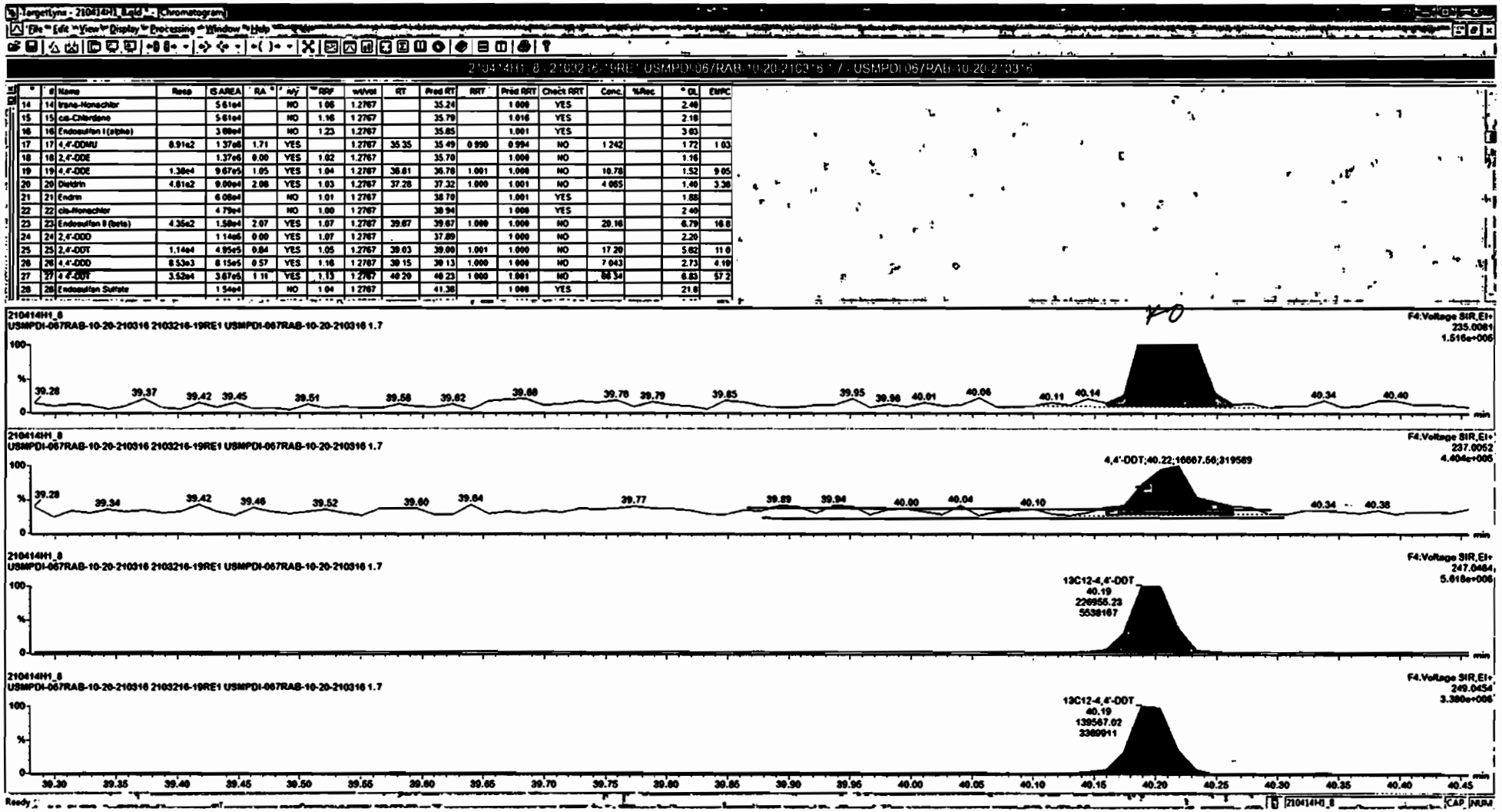
210414H1_8 - 2103216-19RE1 USMPDI-067RAB-10-20-210316 1.7 USMPDI-067RAB-10-20-210316

	#	Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
14	14	trans-Nonachlor		5.61e4		NO	1.06	1.2767		35.24		1.000	YES			2.40	
15	15	cis-Chlordane		5.61e4		NO	1.16	1.2767		35.79		1.016	YES			2.18	
16	16	Endosulfan I (alpha)		3.60e4		NO	1.23	1.2767		35.85		1.001	YES			3.03	
17	17	4,4'-DDMU	8.91e2	1.37e6	1.71	YES		1.2767	35.35	35.49	0.990	0.994	NO	1.242		1.72	1.03
18	18	2,4'-DDE		1.37e6	0.00	YES	1.02	1.2767		35.70		1.000	NO			1.16	
19	19	4,4'-DDE	1.38e4	9.67e5	1.05	YES	1.04	1.2767	36.81	36.78	1.001	1.000	NO	10.78		1.52	9.05
20	20	Dieldrin	4.81e2	9.00e4	2.08	YES	1.03	1.2767	37.28	37.32	1.000	1.001	NO	4.065		1.40	3.38
21	21	Endrin		6.08e4		NO	1.01	1.2767		38.70		1.001	YES			1.88	
22	22	cis-Nonachlor		4.79e4		NO	1.00	1.2767		38.94		1.000	YES			2.40	
23	23	Endosulfan II (beta)	4.35e2	1.58e4	2.07	YES	1.07	1.2767	39.67	39.67	1.000	1.000	NO	20.16		6.79	16.8
24	24	2,4'-DDD		1.14e6	0.00	YES	1.07	1.2767		37.89		1.000	NO			2.29	
25	25	2,4'-DDT	1.14e4	4.95e5	0.64	YES	1.05	1.2767	39.03	39.00	1.001	1.000	NO	17.20		5.62	11.0
26	26	4,4'-DDD	5.65e3	8.15e5	1.35	NO	1.16	1.2767	39.15	39.13	1.000	1.000	NO	4.670		2.73	4.67
27	27	4,4'-DDT	3.76e4	3.67e5	1.04	YES	1.13	1.2767	40.20	40.23	1.000	1.001	NO	70.88		6.83	59.4
28	28	Endosulfan Sulfate		1.54e4		NO	1.04	1.2767		41.38		1.000	YES			21.8	





	#	Name	*Resp*	IS AREA	RA	rdy	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
14	14	trans-Nonachlor		5.61e4		NO	1.06	1.2767		35.24		1.000	YES			2.40	
15	15	cis-Chlordane		5.61e4		NO	1.16	1.2767		35.79		1.016	YES			2.18	
16	16	Endosulfan I (alpha)		3.60e4		NO	1.23	1.2767		35.85		1.001	YES			3.03	
17	17	4,4'-DDMU	8.91e2	1.37e6	1.71	YES		1.2767	35.35	35.49	0.990	0.994	NO	1.242		1.72	1.03
18	18	2,4'-DDE		1.37e6	0.00	YES	1.02	1.2767		35.78		1.000	NO			1.16	
19	19	4,4'-DDE	1.38e4	9.67e5	1.05	YES	1.04	1.2767	36.81	36.78	1.001	1.000	NO	10.78		1.52	9.05
20	20	Dieldrin	4.81e2	9.00e4	2.08	YES	1.03	1.2767	37.26	37.32	1.000	1.001	NO	4.065		1.40	3.38
21	21	Endrin		6.08e4		NO	1.01	1.2767		38.70		1.001	YES			1.88	
22	22	cis-Nonachlor		4.79e4		NO	1.00	1.2767		38.94		1.006	YES			2.40	
23	23	Endosulfan II (beta)	4.35e2	1.58e4	2.07	YES	1.07	1.2767	39.67	39.67	1.000	1.000	NO	29.16		6.79	16.8
24	24	2,4'-DDD		1.14e6	0.00	YES	1.07	1.2767		37.89		1.000	NO			2.29	
25	25	2,4'-DDT	1.14e4	4.95e5	0.84	YES	1.05	1.2767	39.83	39.80	1.001	1.000	NO	17.29		5.82	11.8
26	26	4,4'-DDD	8.53e3	8.15e5	0.57	YES	1.16	1.2767	39.15	39.13	1.000	1.000	NO	7.643		2.75	4.19
27	27	4,4'-DDT	3.78e4	3.67e5	1.04	YES	1.13	1.2767	40.20	40.23	1.000	1.001	NO	70.88		6.83	59.4
28	28	Endosulfan Sulfate		1.54e4		NO	1.04	1.2767		41.38		1.000	YES			21.8	



#	Name	Resp	IS AREA	RA	Adj	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
14	trans-Nonachlor		5.61e4		NO	1.06	1.2767		35.24		1.000	YES			2.49	
15	cis-Chlordane		5.61e4		NO	1.16	1.2767		35.79		1.016	YES			2.18	
16	Endosulfan I (alpha)		3.88e4		NO	1.23	1.2767		35.85		1.001	YES			3.83	
17	4,4'-DDMU	8.91e2	1.37e6	1.71	YES		1.2767	35.35	35.49	0.990	0.994	NO	1.242		1.72	1.03
18	2,4'-DDE		1.37e6	0.00	YES	1.02	1.2767		35.70		1.000	NO			1.16	
19	4,4'-DDE	1.38e4	9.67e5	1.05	YES	1.04	1.2767	38.81	36.78	1.001	1.000	NO	10.78		1.52	9.05
20	Dieldrin	4.81e2	9.00e4	2.08	YES	1.03	1.2767	37.28	37.32	1.000	1.001	NO	4.985		1.49	3.38
21	Endrin		6.08e4		NO	1.01	1.2767		38.70		1.001	YES			1.88	
22	cis-Nonachlor		4.79e4		NO	1.00	1.2767		38.94		1.006	YES			2.49	
23	Endosulfan II (beta)	4.35e2	1.58e4	2.07	YES	1.07	1.2767	39.67	39.67	1.000	1.000	NO	29.16		6.79	16.8
24	2,4'-DDD		1.14e6	0.00	YES	1.07	1.2767		37.89		1.000	NO			2.20	
25	2,4'-DDT	1.14e4	4.95e5	0.84	YES	1.05	1.2767	39.03	39.00	1.001	1.000	NO	17.20		5.62	11.0
26	4,4'-DDD	8.53e3	8.15e5	0.57	YES	1.16	1.2767	39.15	39.13	1.000	1.000	NO	7.043		2.73	4.19
27	4,4'-DDT	3.52e4	3.67e6	1.10	YES	1.13	1.2767	40.20	40.23	1.000	1.001	NO	68.34		6.83	57.2
28	Endosulfan Sulfate		1.54e4		NO	1.04	1.2767		41.38		1.008	YES			21.8	

Dataset: Untitled

Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
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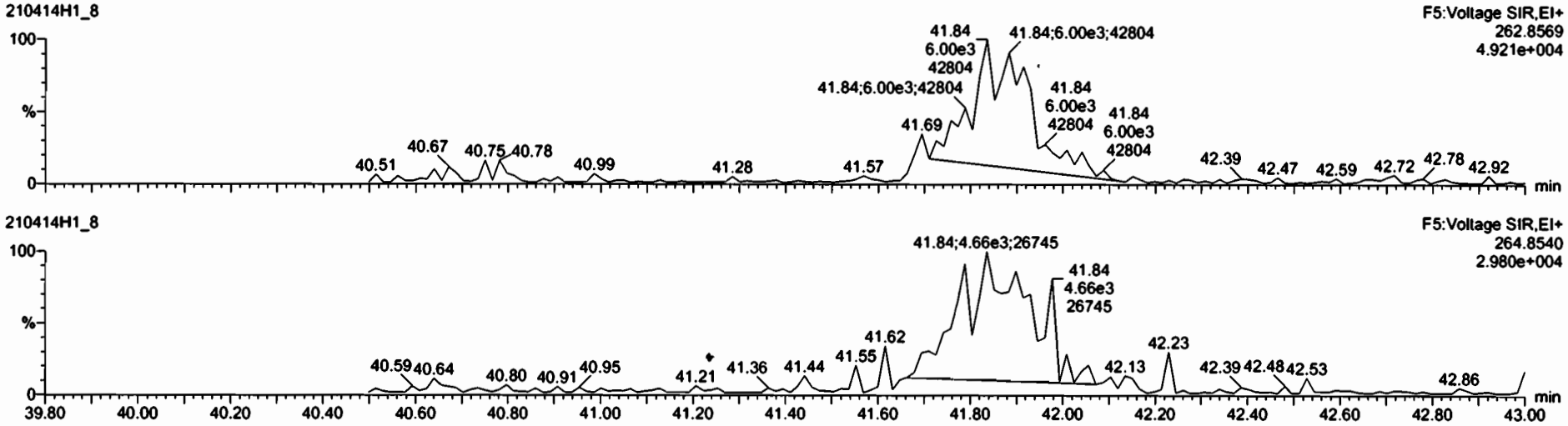
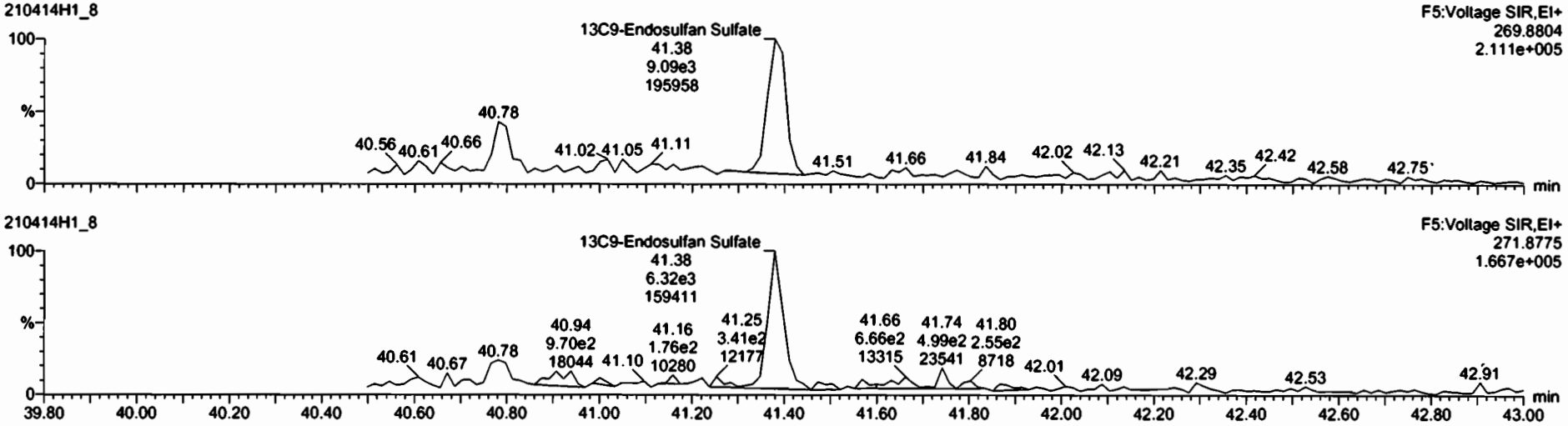
Name: 210414H1_8, Date: 14-Apr-2021, Time: 15:28:35, ID: 2103216-19RE1 USMPDI-067RAB-10-20-210316 1.7, Description: USMPDI-067RAB-10-20-210316

Endosulfan Sulfate



13C9-Endosulfan Sulfate



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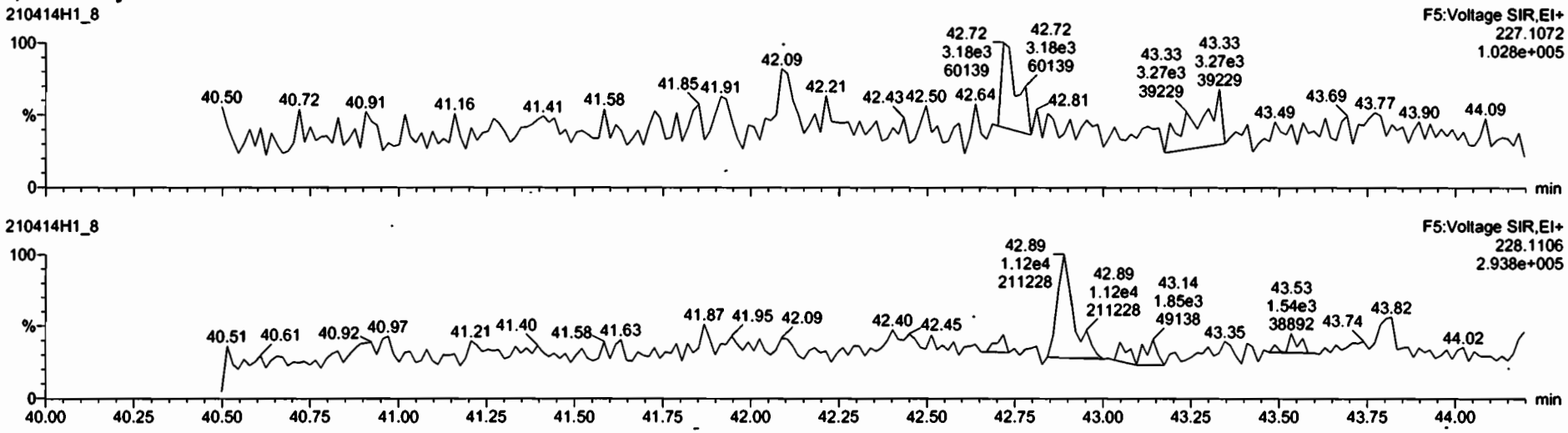
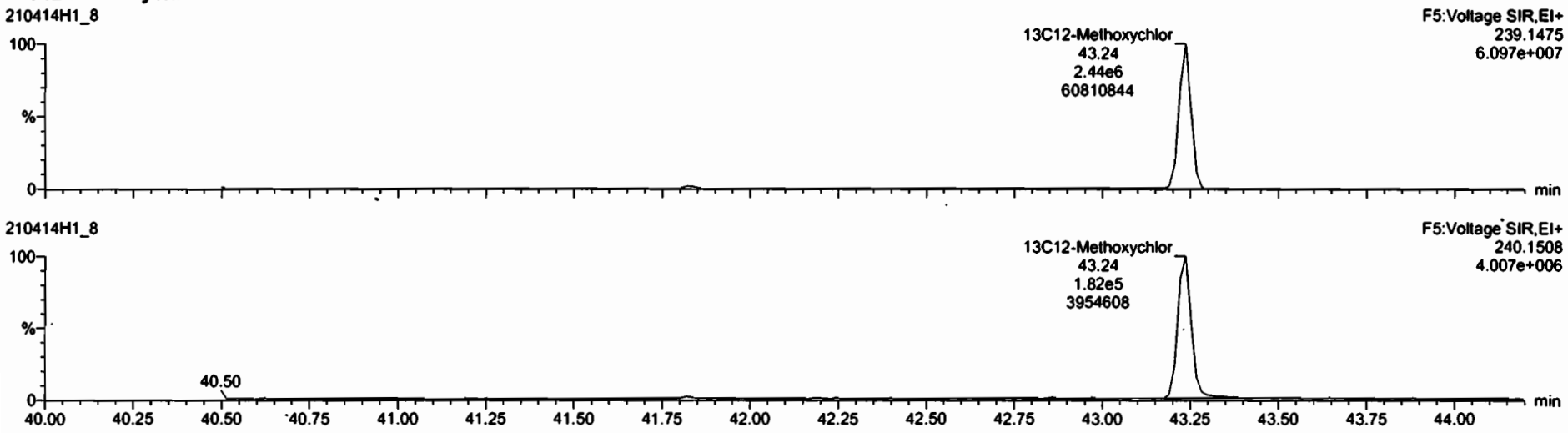
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_8, Date: 14-Apr-2021, Time: 15:28:35, ID: 2103216-19RE1 USMPDI-067RAB-10-20-210316 1.7, Description: USMPDI-067RAB-10-20-210316

4,4'-Methoxychlor



13C12-Methoxychlor



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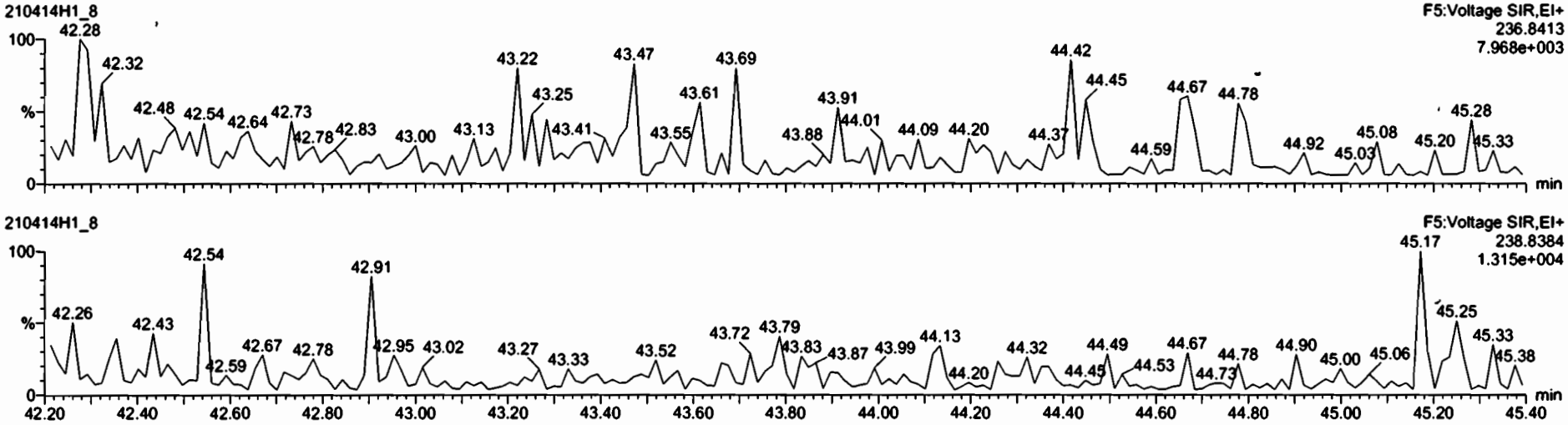
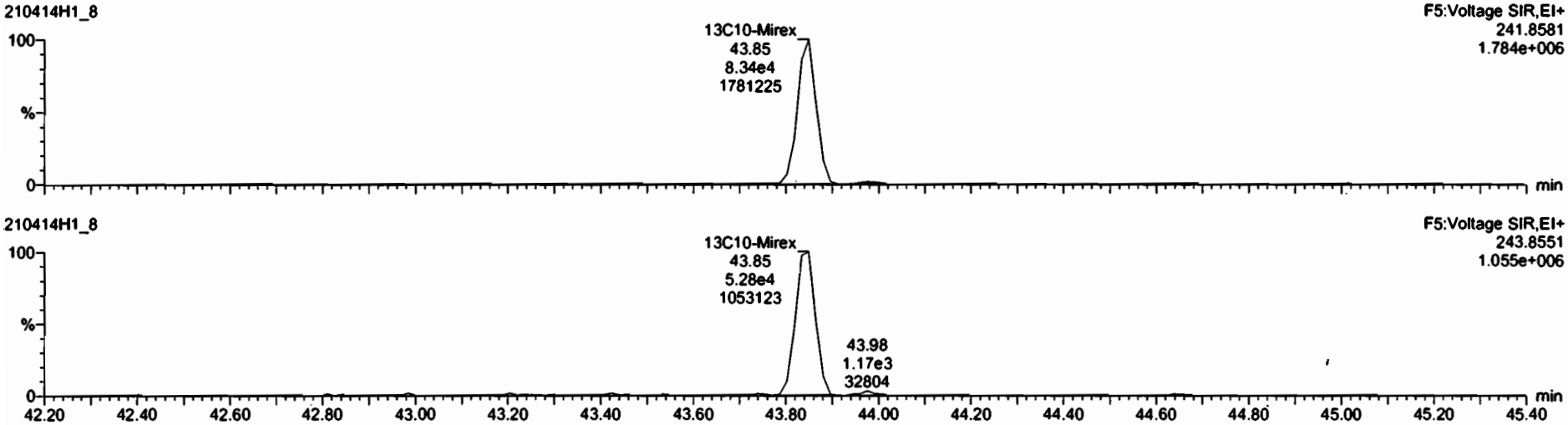
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_8, Date: 14-Apr-2021, Time: 15:28:35, ID: 2103216-19RE1 USMPDI-067RAB-10-20-210316 1.7, Description: USMPDI-067RAB-10-20-210316

Mirex



13C10-Mirex



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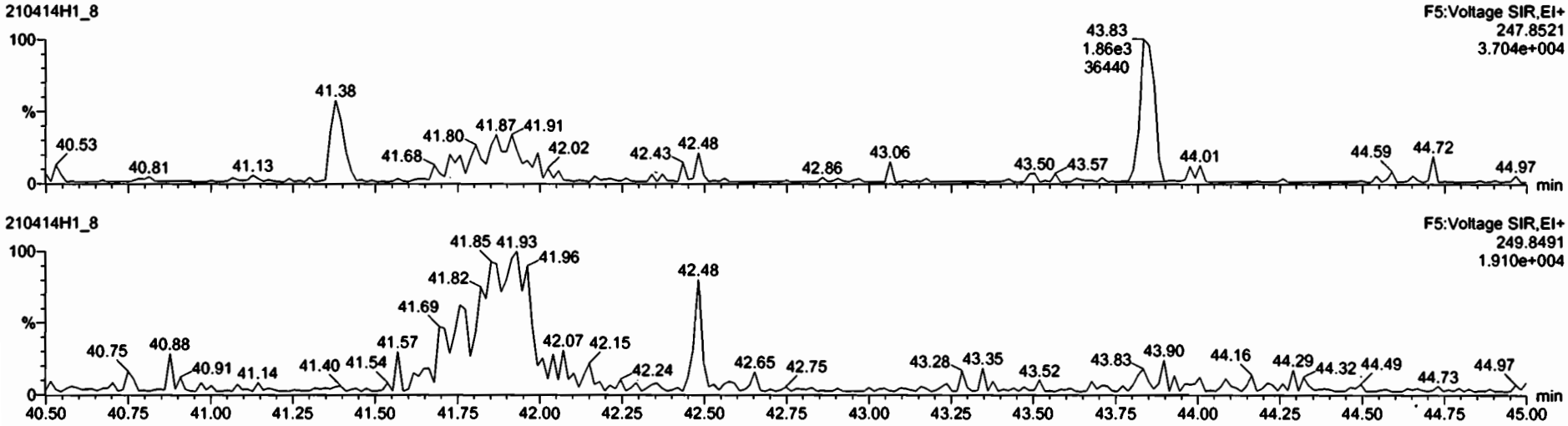
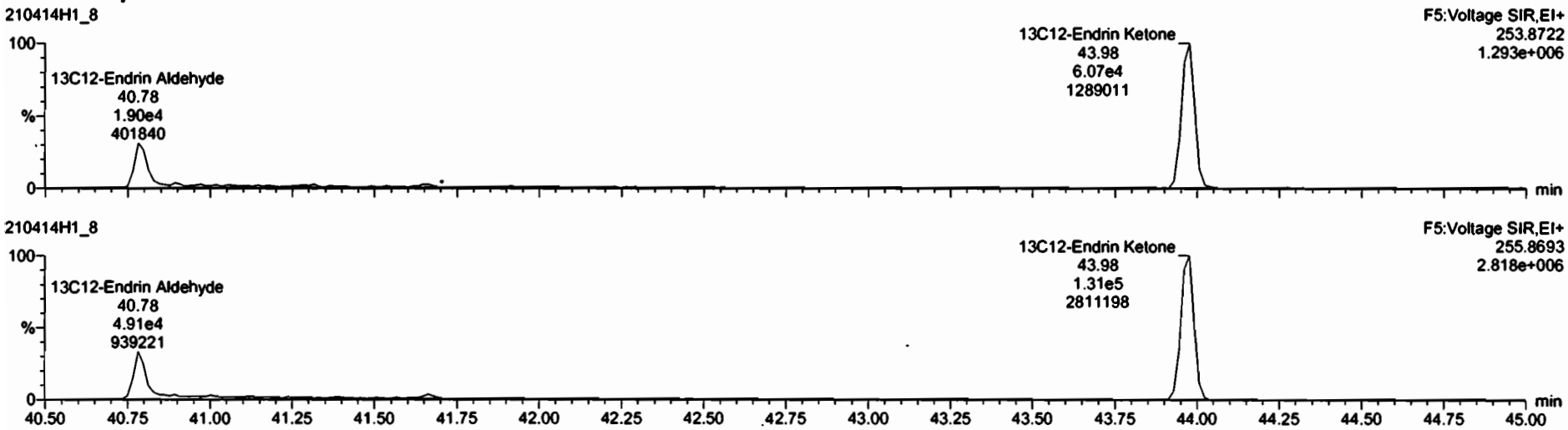
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_8, Date: 14-Apr-2021, Time: 15:28:35, ID: 2103216-19RE1 USMPDI-067RAB-10-20-210316 1.7, Description: USMPDI-067RAB-10-20-210316

EA-EK



EA-EK-isotopes



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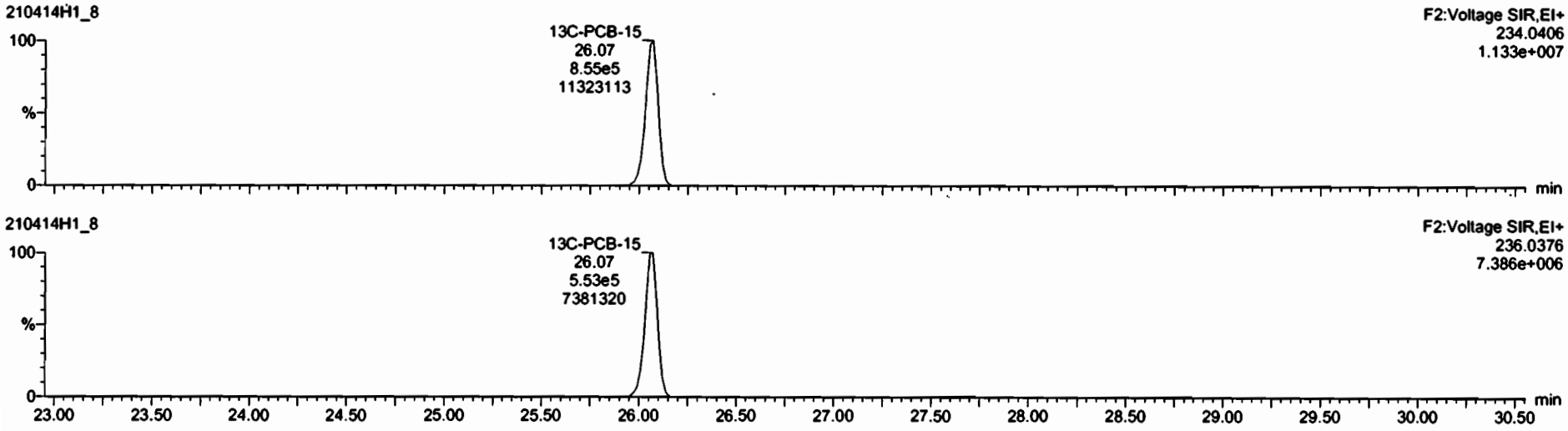
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_8, Date: 14-Apr-2021, Time: 15:28:35, ID: 2103216-19RE1 USMPDI-067RAB-10-20-210316 1.7, Description: USMPDI-067RAB-10-20-210316

13C-PCB-15



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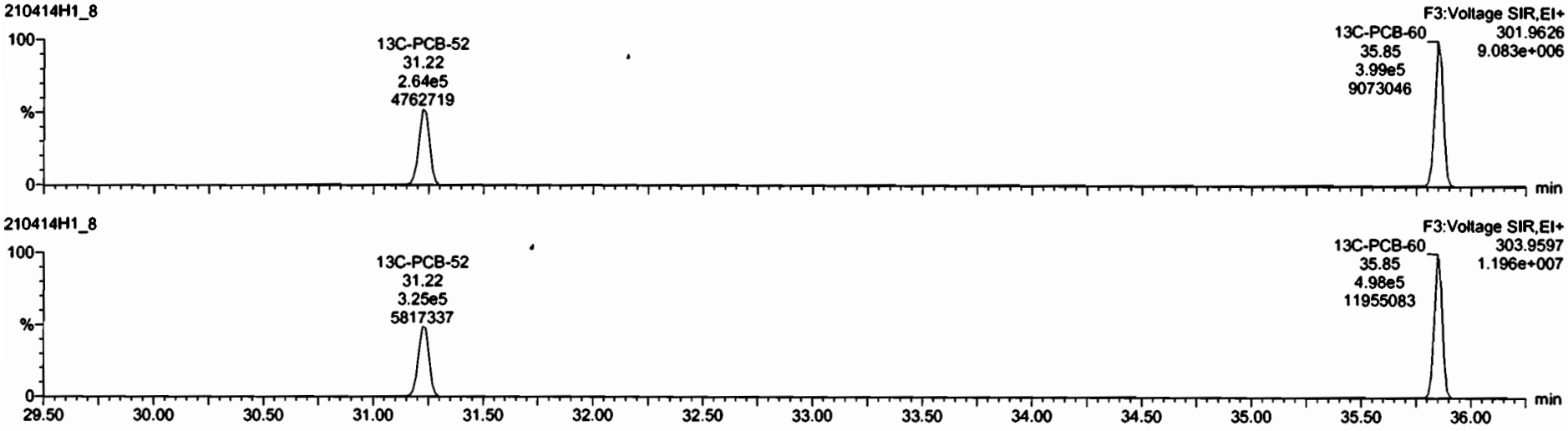

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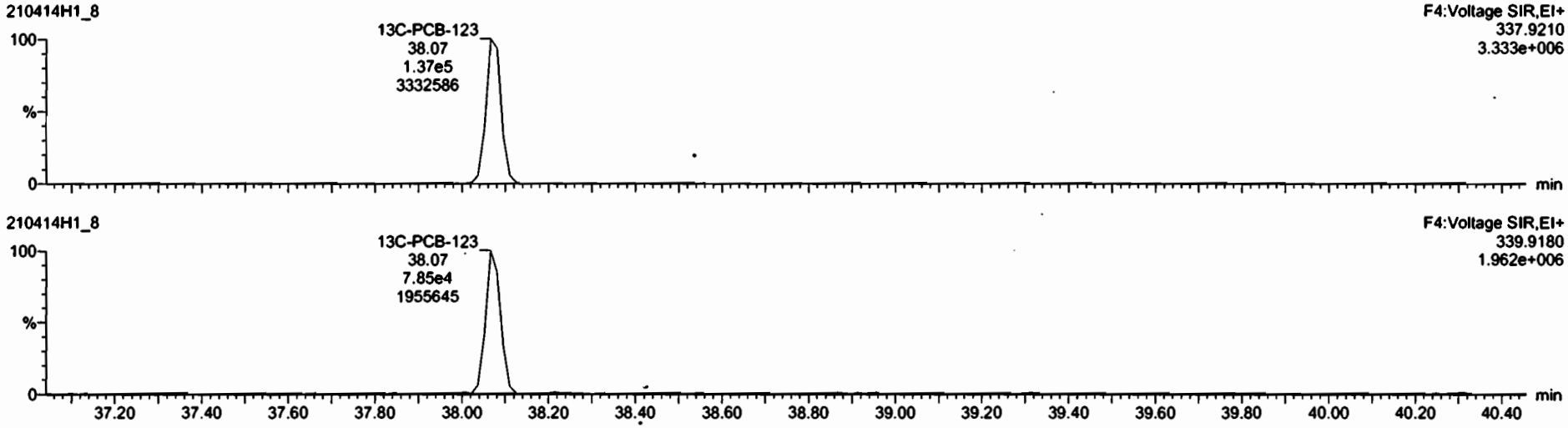
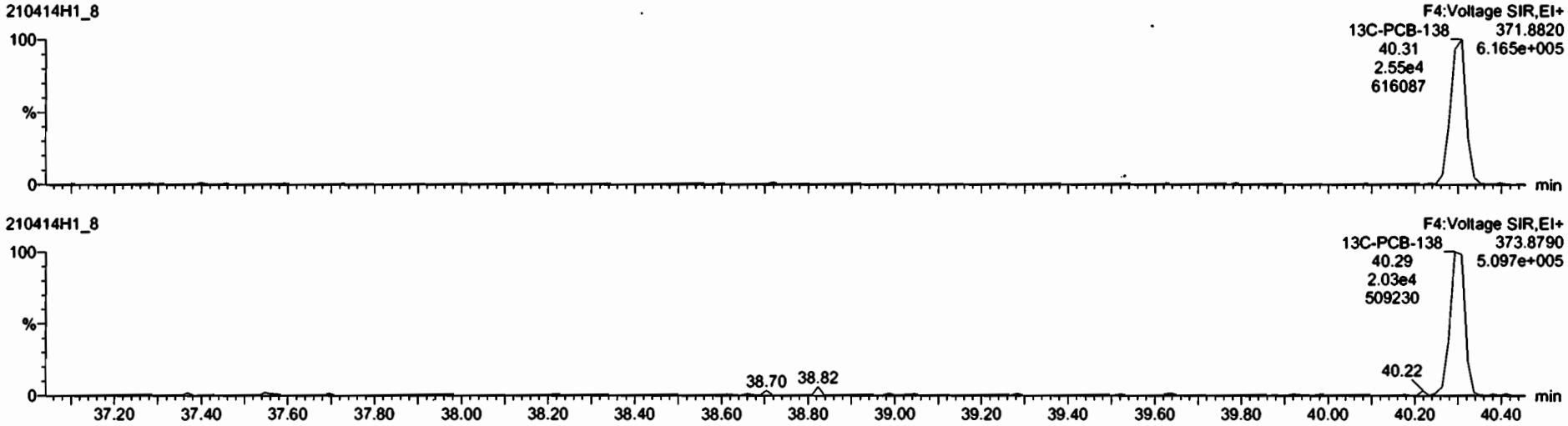
13C-PCB-123



13C-PCB-138



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Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

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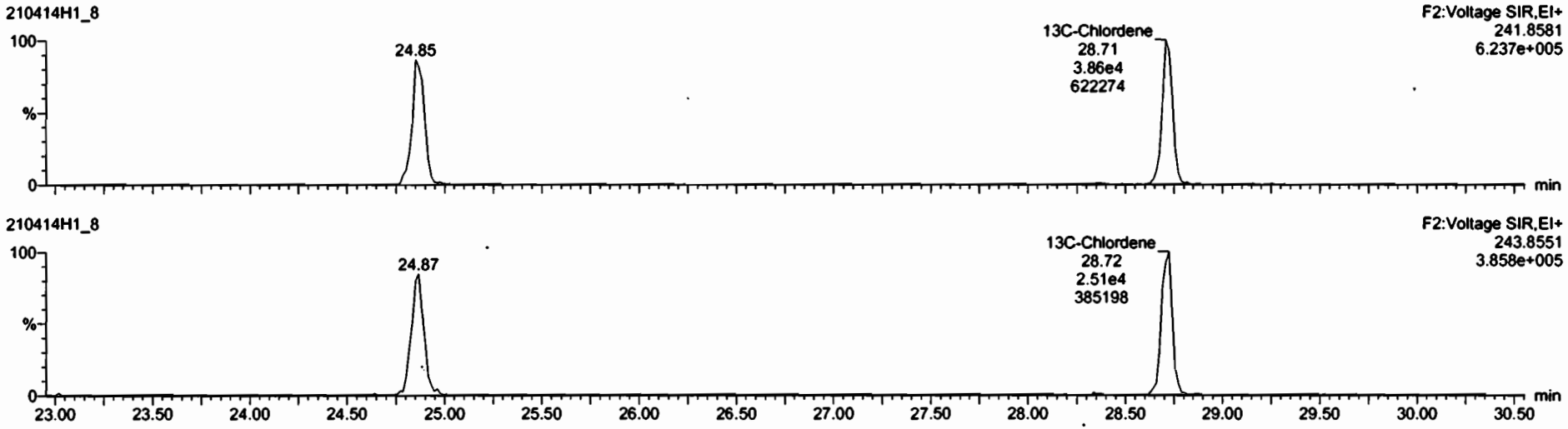
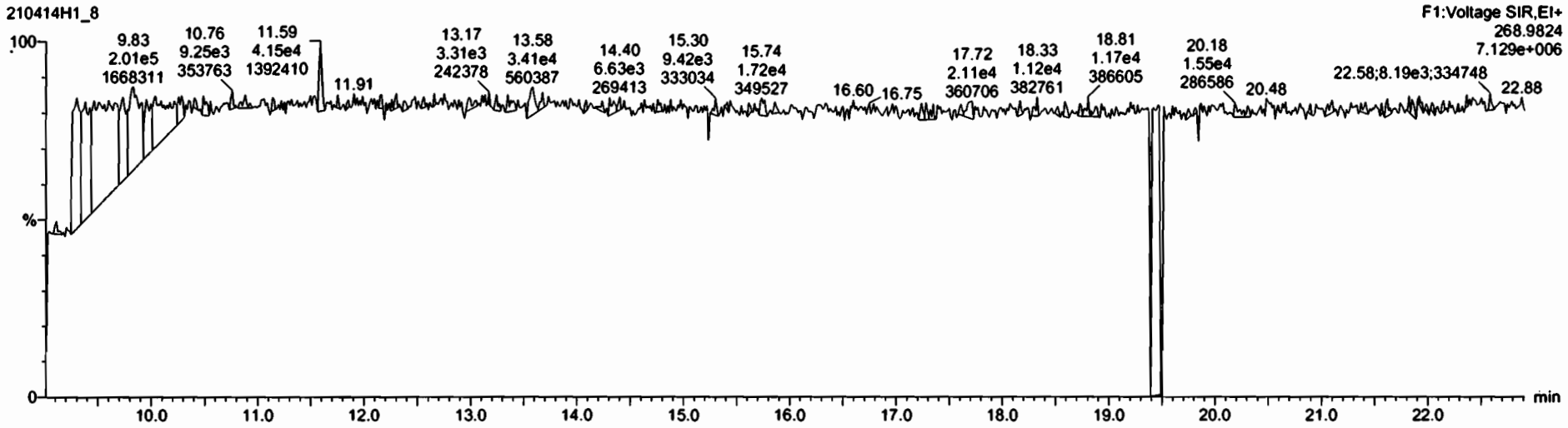
13C-Chlordene



PFK1



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Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

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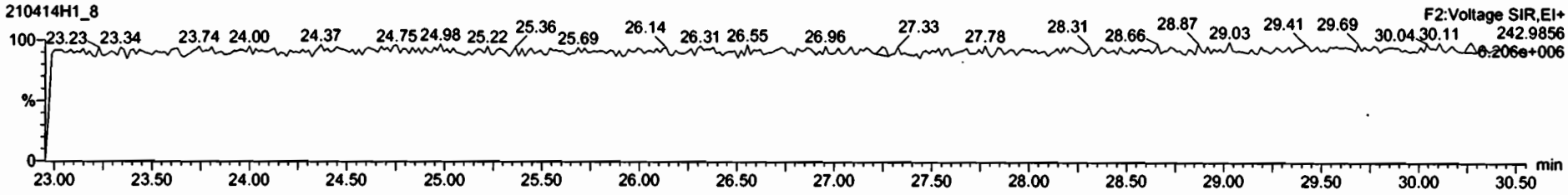
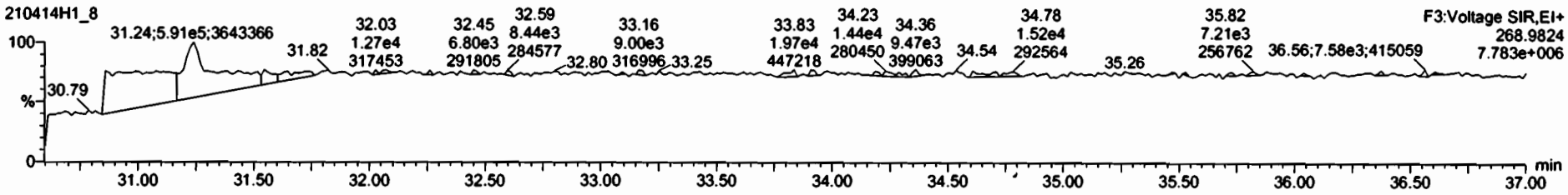
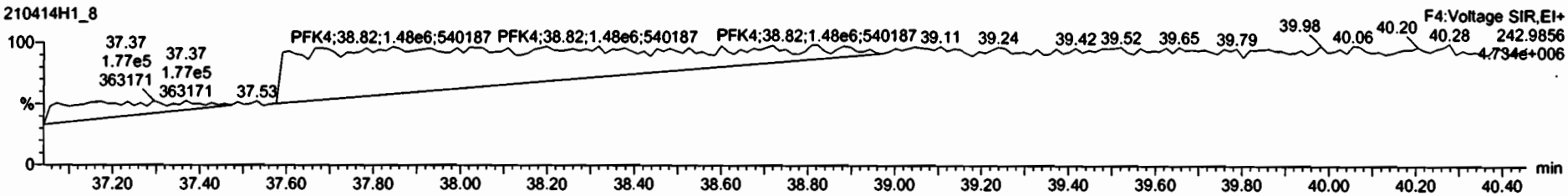
PFK2



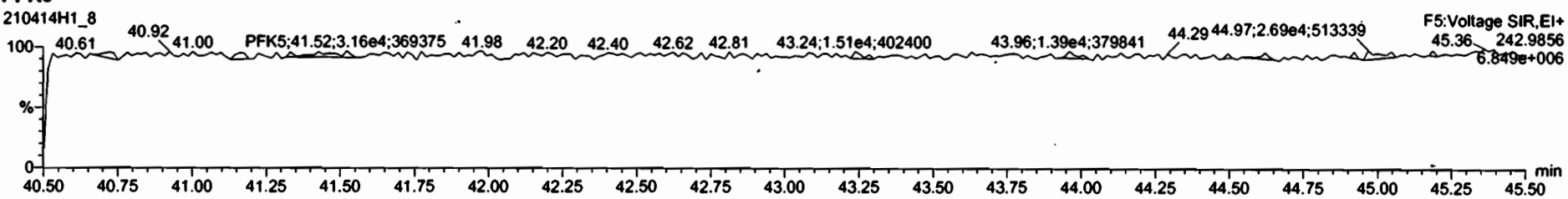
PFK3



PFK4



PFK5



Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_7.qld

Last Altered: Tuesday, May 04, 2021 11:38:49 Pacific Daylight Time
Printed: Tuesday, May 04, 2021 11:39:13 Pacific Daylight Time

DF 05/04/21

CT 05/04/2021

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_7, Date: 14-Apr-2021, Time: 14:40:13, ID: 2103216-20RE1 USMPDI-067RAB-20-21.9-210316 1.65, Description: USMPDI-067RAB-20-21.9-210316, Task: ST210414H1_1

	#	Name	Resp	IS Area	RA	Y/N	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc	%Rec	DL	EMPC
1	4	Lindane (gamma-...		2.63e5		NO	0.860	1.044			1.000	YES			5.58	
2	9	Aldrin		1.07e5		NO	1.09	1.044			1.001	YES			1.39	
3	10	Oxychlordane		6.70e4		NO	1.06	1.044			1.001	YES			2.09	
4	13	trans-Chlordane (g...		5.48e4		NO	1.14	1.044			1.001	YES			2.08	
5	14	trans-Nonachlor		6.36e4		NO	1.06	1.044			1.000	YES			1.81	
6	15	cis-Chlordane		6.36e4		NO	1.16	1.044			1.016	YES			1.64	
7	18	2,4'-DDE		1.52e6		NO	1.02	1.044			1.000	YES			1.25	
8	19	4,4'-DDE		1.11e6		NO	1.04	1.044			1.000	YES			1.56	
9	20	Dieldrin		1.12e5		NO	1.03	1.044			1.001	YES			1.42	
10	22	cis-Nonachlor		6.35e4		NO	1.00	1.044			1.000	YES			2.50	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_7.qld

Last Altered: Tuesday, May 04, 2021 11:38:49 Pacific Daylight Time
Printed: Tuesday, May 04, 2021 11:39:22 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_7, Date: 14-Apr-2021, Time: 14:40:13, ID: 2103216-20RE1 USMPDI-067RAB-20-21.9-210316 1.65, Description: USMPDI-067RAB-20-21.9-210316, Task: ST210414H1_1

	#	Name	Resp	IS Area	RA	I/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	24	2,4'-DDD		1.34e6		NO	1.07	1.044			1.000	YES			1.92	
2	25	2,4'-DDT		7.23e5		NO	1.05	1.044			1.000	YES			3.52	
3	26	4,4'-DDD		1.05e6		NO	1.16	1.044			1.000	YES			2.14	
4	27	4,4'-DDT	2.46e4	5.90e5	1.27	NO	1.13	1.044	40.20	1.000	1.001	NO	35.311		3.84	35.3
5	36	13C6-Lindane (ga...	2.63e5	1.62e6	0.78	NO	0.194	1.044	26.57	1.020	1.019	NO	803.53	83.9	3.10	
6	40	13C12-Aldrin	1.07e5	1.62e6	1.67	NO	0.154	1.044	30.80	1.182	1.181	NO	411.83	43.0	2.58	
7	41	13C10-Oxychlorda...	6.70e4	1.62e6	1.60	NO	0.0404	1.044	33.35	1.280	1.280	NO	982.27	103	9.83	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_7.qld

Last Altered: Tuesday, May 04, 2021 11:38:49 Pacific Daylight Time
Printed: Tuesday, May 04, 2021 11:39:32 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_7, Date: 14-Apr-2021, Time: 14:40:13, ID: 2103216-20RE1 USMPDI-067RAB-20-21.9-210316 1.65, Description: USMPDI-067RAB-20-21.9-210316, Task: ST210414H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	43	13C10-trans-Chlor...	5.48e4	1.62e6	1.56	NO	0.0358	1.044	35.03	1.344	1.344	NO	906.04	94.6	11.1	
2	44	13C10-trans-Nona...	6.36e4	9.79e5	1.61	NO	0.0638	1.044	35.22	0.983	0.983	NO	975.47	102	5.63	
3	46	13C12-2,4'-DDE	1.52e6	9.79e5	1.60	NO	1.43	1.044	35.69	0.996	0.995	NO	1037.6	108	1.07	
4	47	13C12-4,4'-DDE	1.11e6	9.79e5	1.57	NO	0.995	1.044	36.75	1.025	1.026	NO	1093.4	114	1.54	
5	48	13C12-Dieldrin	1.12e5	9.79e5	1.72	NO	0.146	1.044	37.26	1.039	1.040	NO	752.55	78.5	7.28	
6	50	13C10-cis-Nonach...	6.35e4	9.79e5	1.60	NO	0.0791	1.044	38.94	1.086	1.087	NO	785.53	82.0	13.4	
7	52	13C12-2,4'-DDD	1.34e6	9.79e5	1.56	NO	1.35	1.044	37.89	1.057	1.057	NO	966.78	101	1.54	
8	53	13C12-2,4'-DDT	7.23e5	9.79e5	1.62	NO	0.962	1.044	39.00	1.088	1.089	NO	735.14	76.7	2.16	
9	54	13C12-4,4'-DDD	1.05e6	9.79e5	1.59	NO	1.12	1.044	39.14	1.092	1.092	NO	910.38	95.0	1.85	
10	55	13C12-4,4'-DDT	5.90e5	9.79e5	1.59	NO	0.735	1.044	40.19	1.121	1.122	NO	785.67	82.0	2.83	
11	62	13C-PCB-15	1.62e6	1.62e6	1.56	NO	1.00	1.044	26.06	1.000	1.000	NO	958.17	100	0.522	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_7.qld

Last Altered: Tuesday, May 04, 2021 11:38:49 Pacific Daylight Time
Printed: Tuesday, May 04, 2021 11:39:34 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_7, Date: 14-Apr-2021, Time: 14:40:13, ID: 2103216-20RE1 USMPDI-067RAB-20-21.9-210316 1.65, Description: USMPDI-067RAB-20-21.9-210316, Task: ST210414H1_1

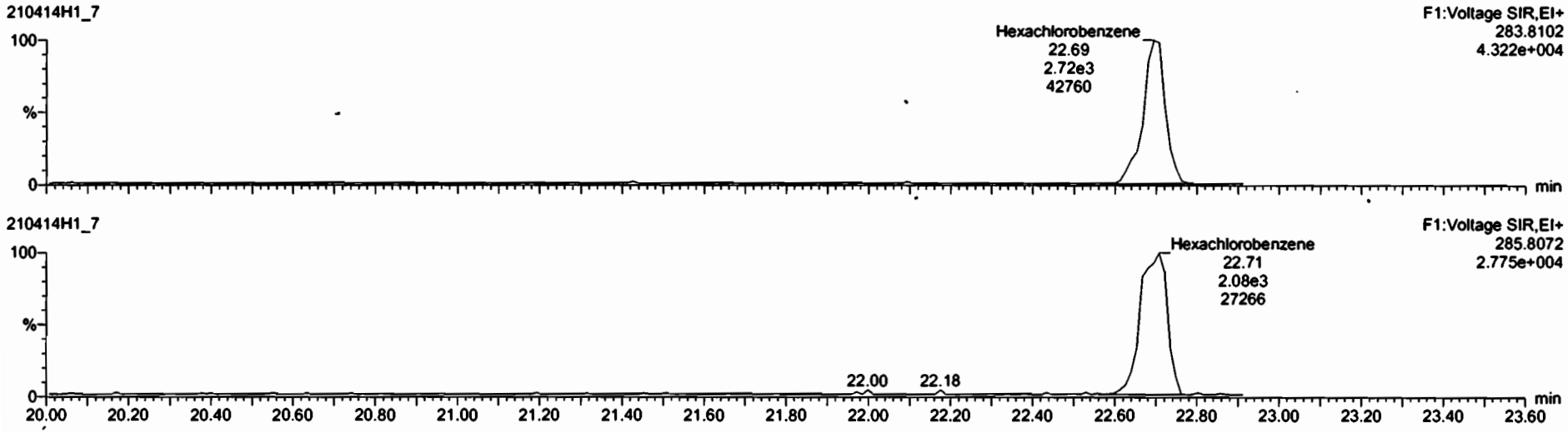
	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc	%Rec	DL	EMPC
1	63	13C-PCB-60	9.79e5	9.79e5	0.83	NO	1.00	1.044	35.85	1.000	1.000	NO	958.17	100	0.896	

Dataset: Untitled

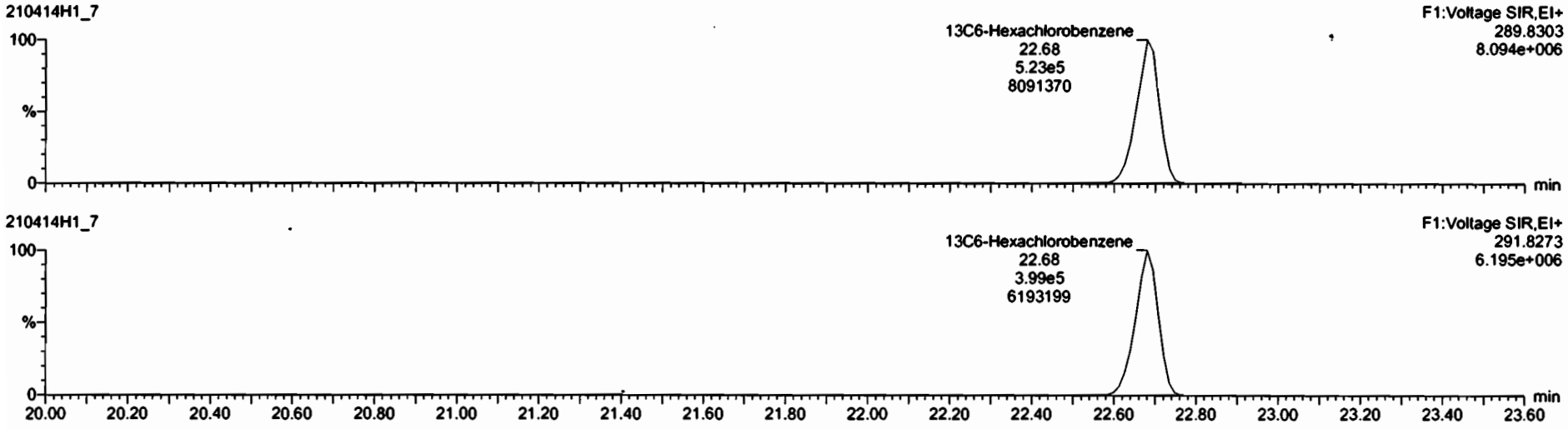
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_7, Date: 14-Apr-2021, Time: 14:40:13, ID: 2103216-20RE1 USMPDI-067RAB-20-21.9-210316 1.65, Description: USMPDI-067RAB-20-21.9-210316

Hexachlorobenzene



13C6-Hexachlorobenzene



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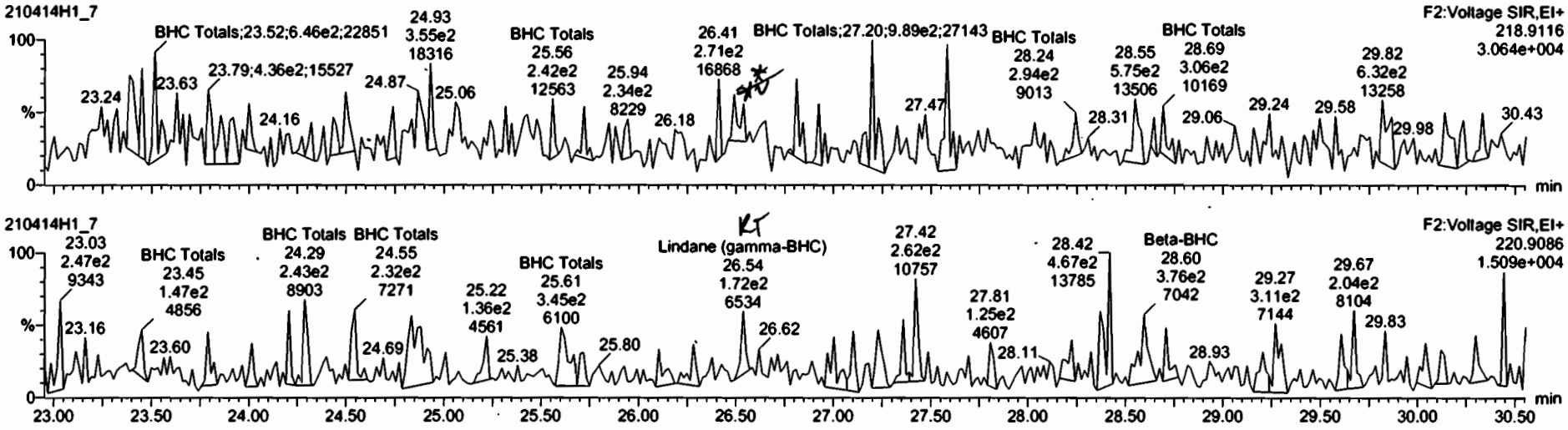
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

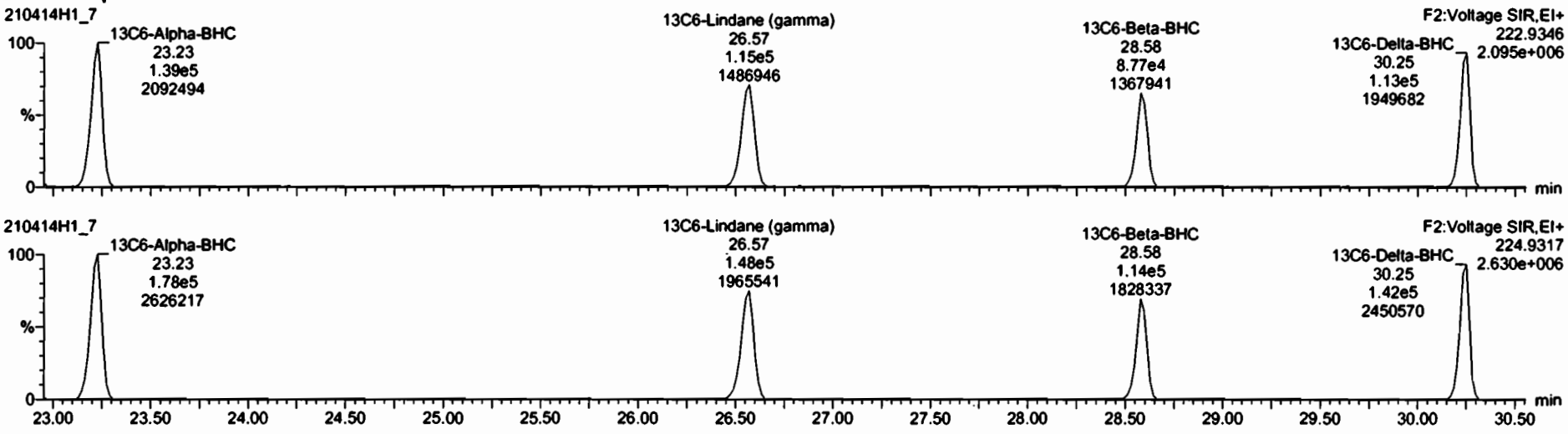
*DF04/16/21

Name: 210414H1_7, Date: 14-Apr-2021, Time: 14:40:13, ID: 2103216-20RE1 USMPDI-067RAB-20-21.9-210316 1.65, Description: USMPDI-067RAB-20-21.9-210316

BHC Totals



BHC-isotopes



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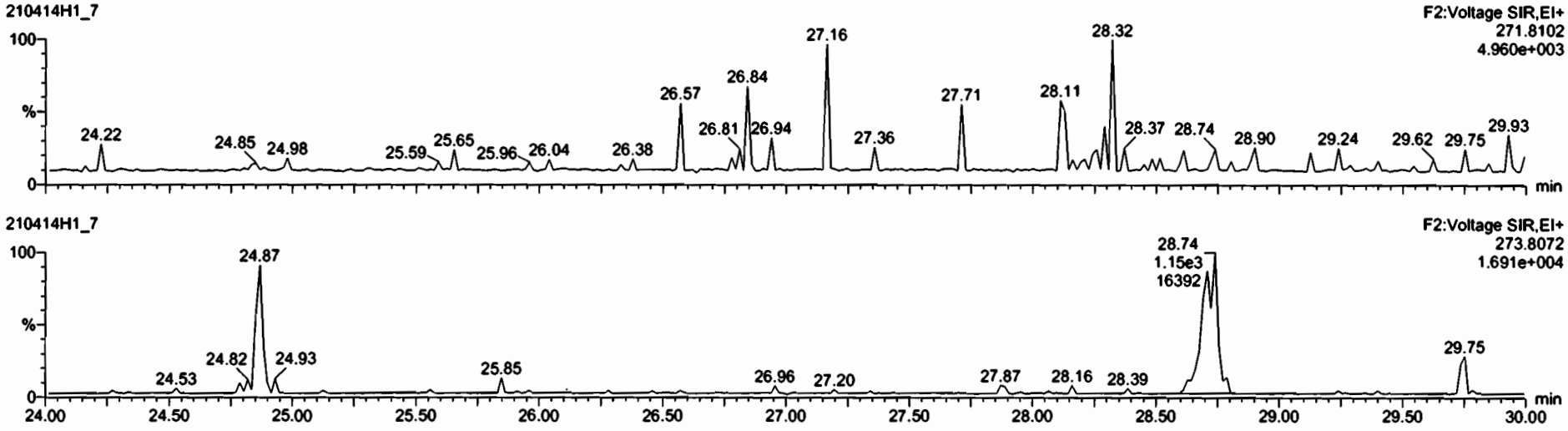
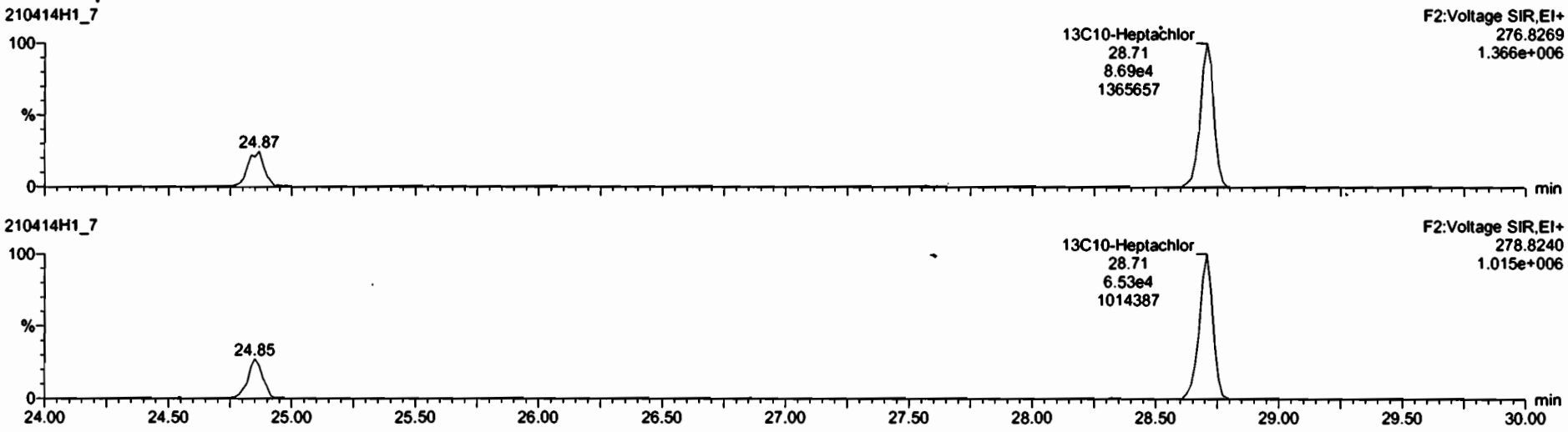
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_7, Date: 14-Apr-2021, Time: 14:40:13, ID: 2103216-20RE1 USMPDI-067RAB-20-21.9-210316 1.65, Description: USMPDI-067RAB-20-21.9-210316

Heptachlor



13C10-Heptachlor



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Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

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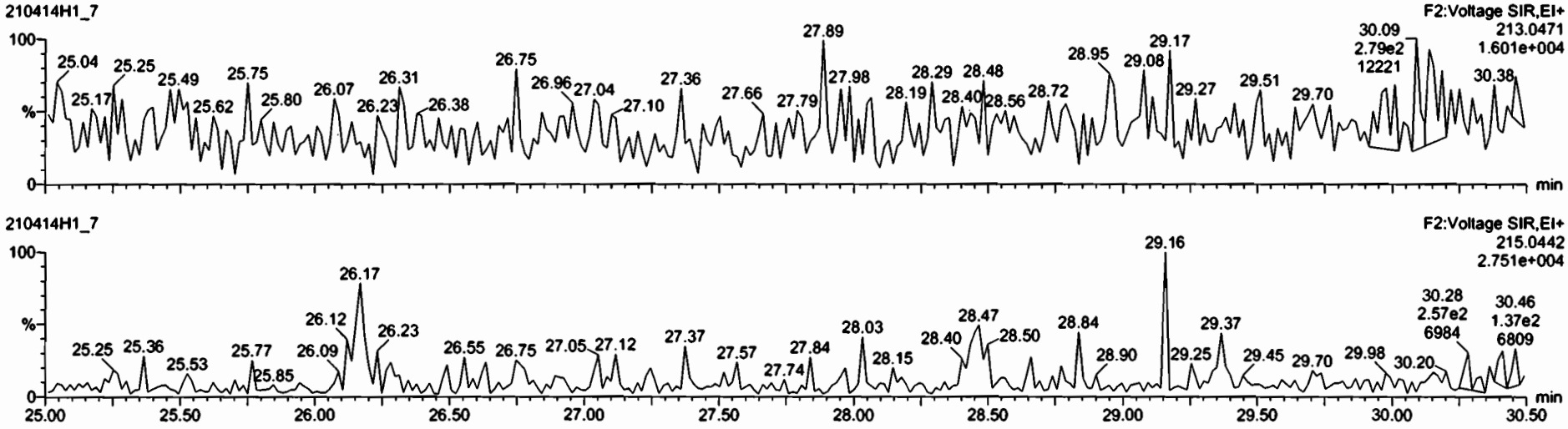
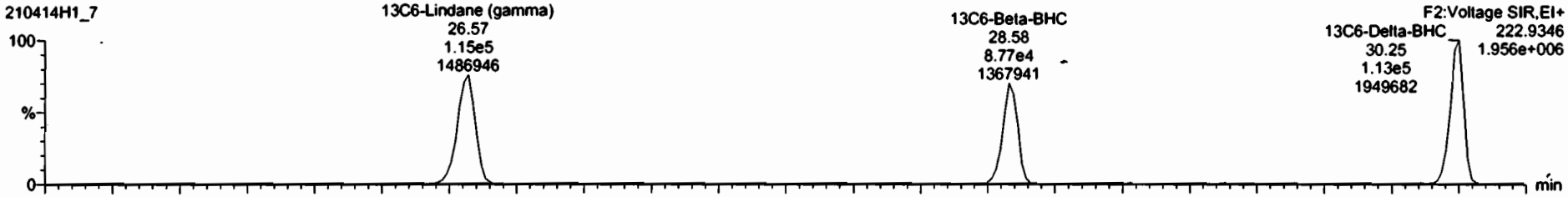
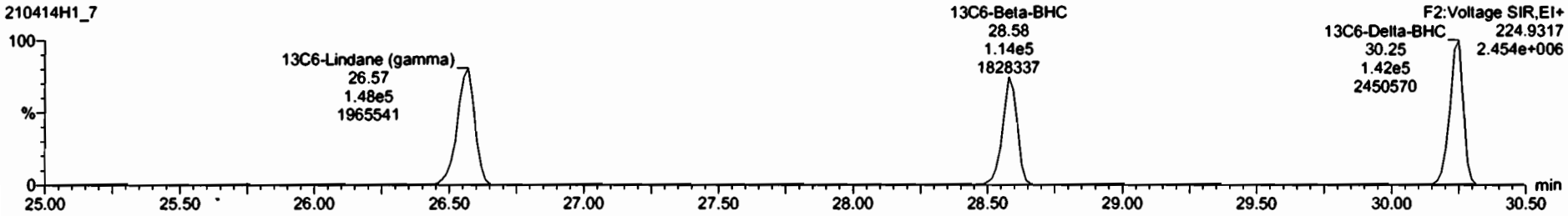
4,4'-DDNU



13C6-Delta-BHC





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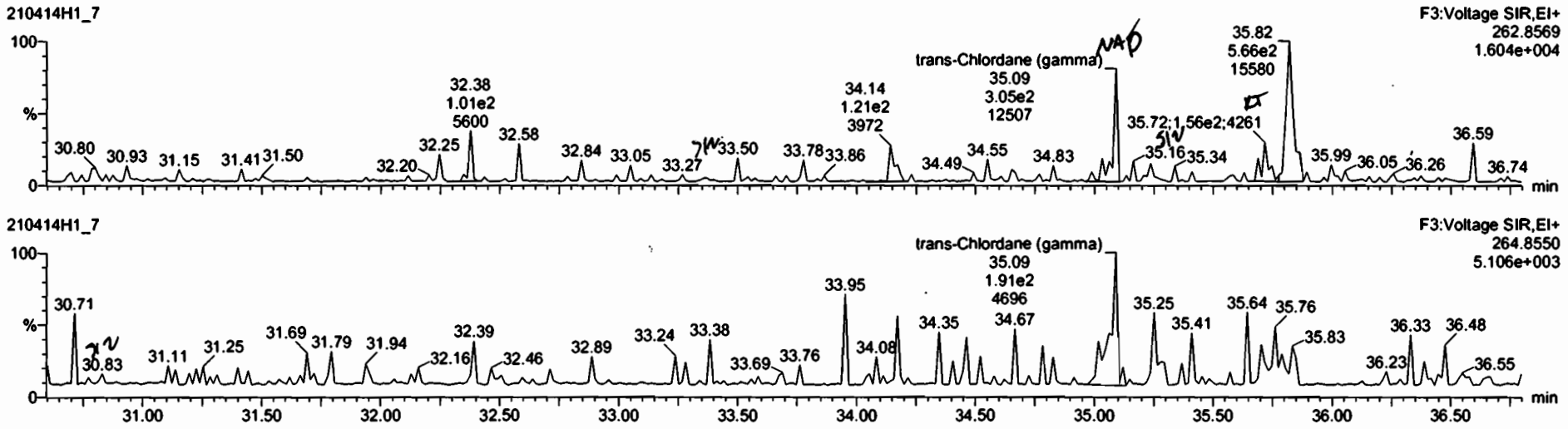
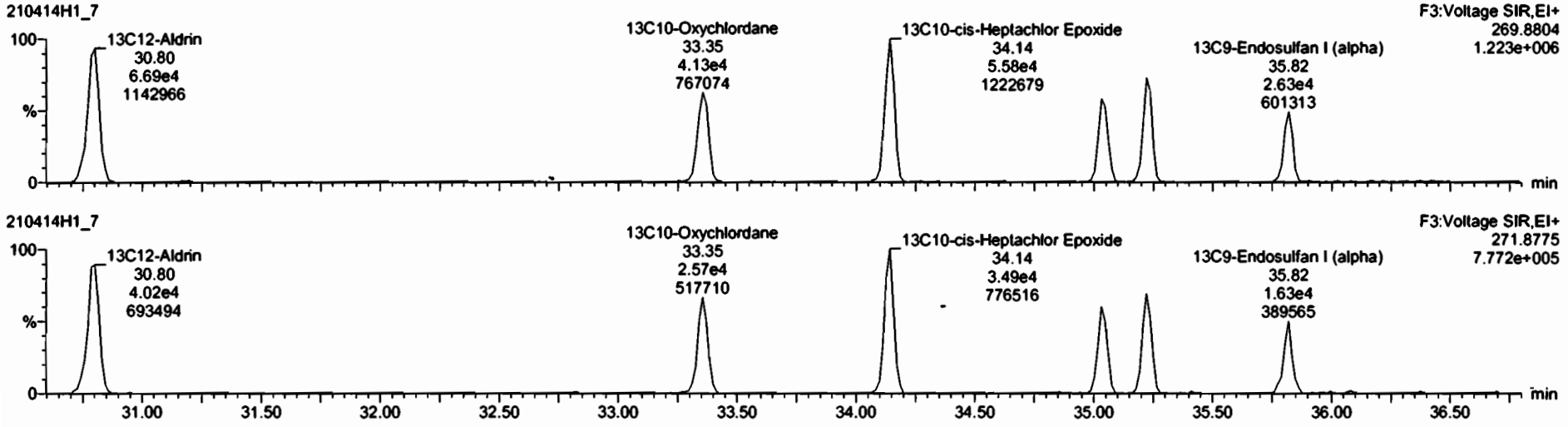
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_7, Date: 14-Apr-2021, Time: 14:40:13, ID: 2103216-20RE1 USMPDI-067RAB-20-21.9-210316 1.65, Description: USMPDI-067RAB-20-21.9-210316

Aldrin-EI



Aldrin-EI-isotopes



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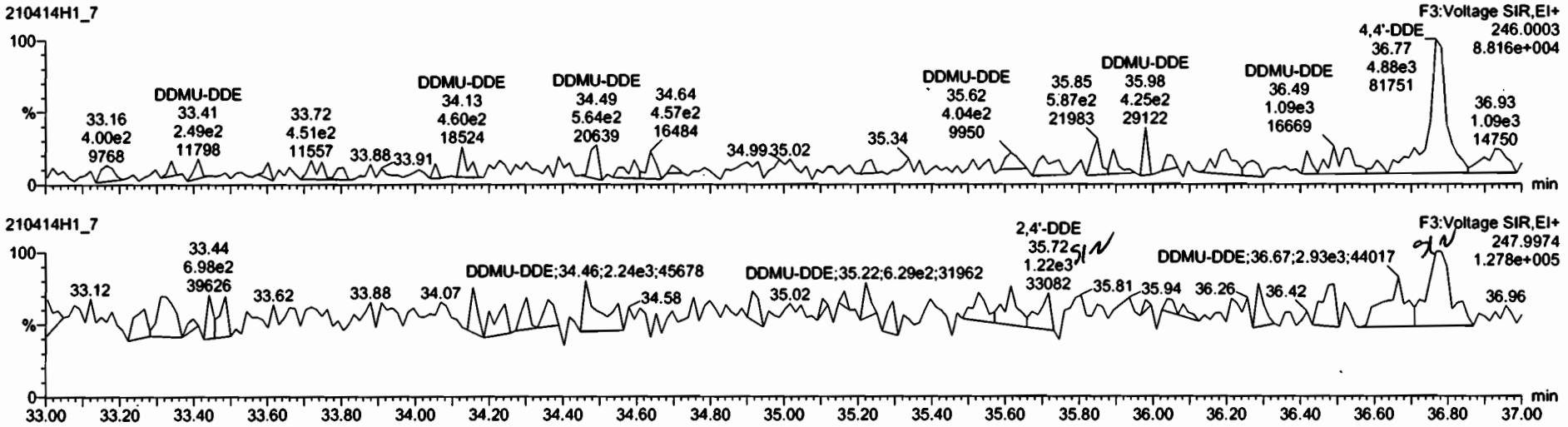
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_7, Date: 14-Apr-2021, Time: 14:40:13, ID: 2103216-20RE1 USMPDI-067RAB-20-21.9-210316 1.65, Description: USMPDI-067RAB-20-21.9-210316

DDMU-DDE



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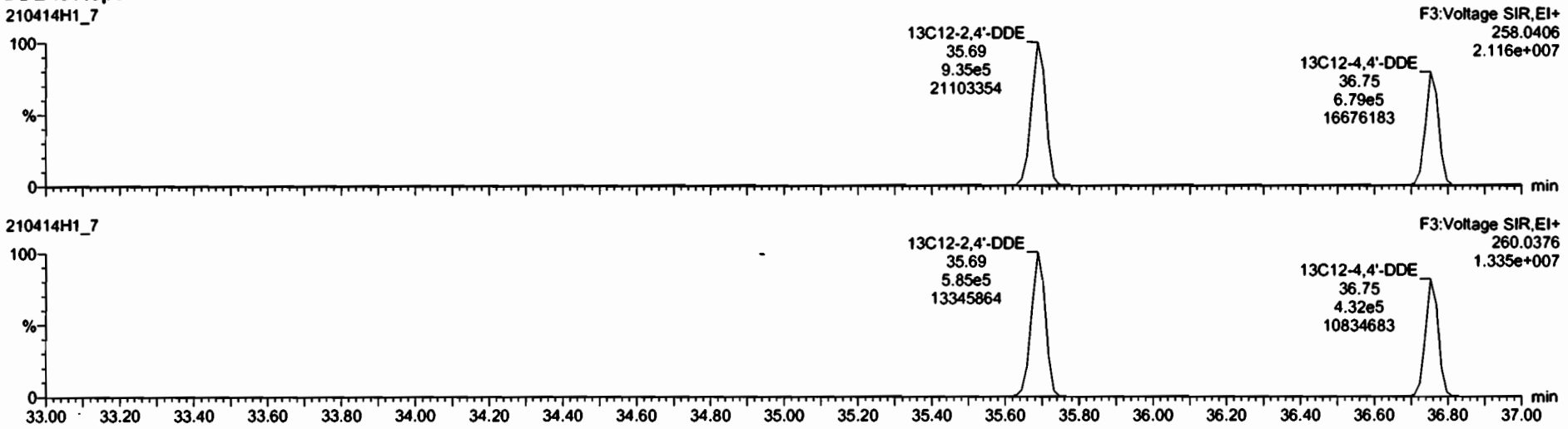

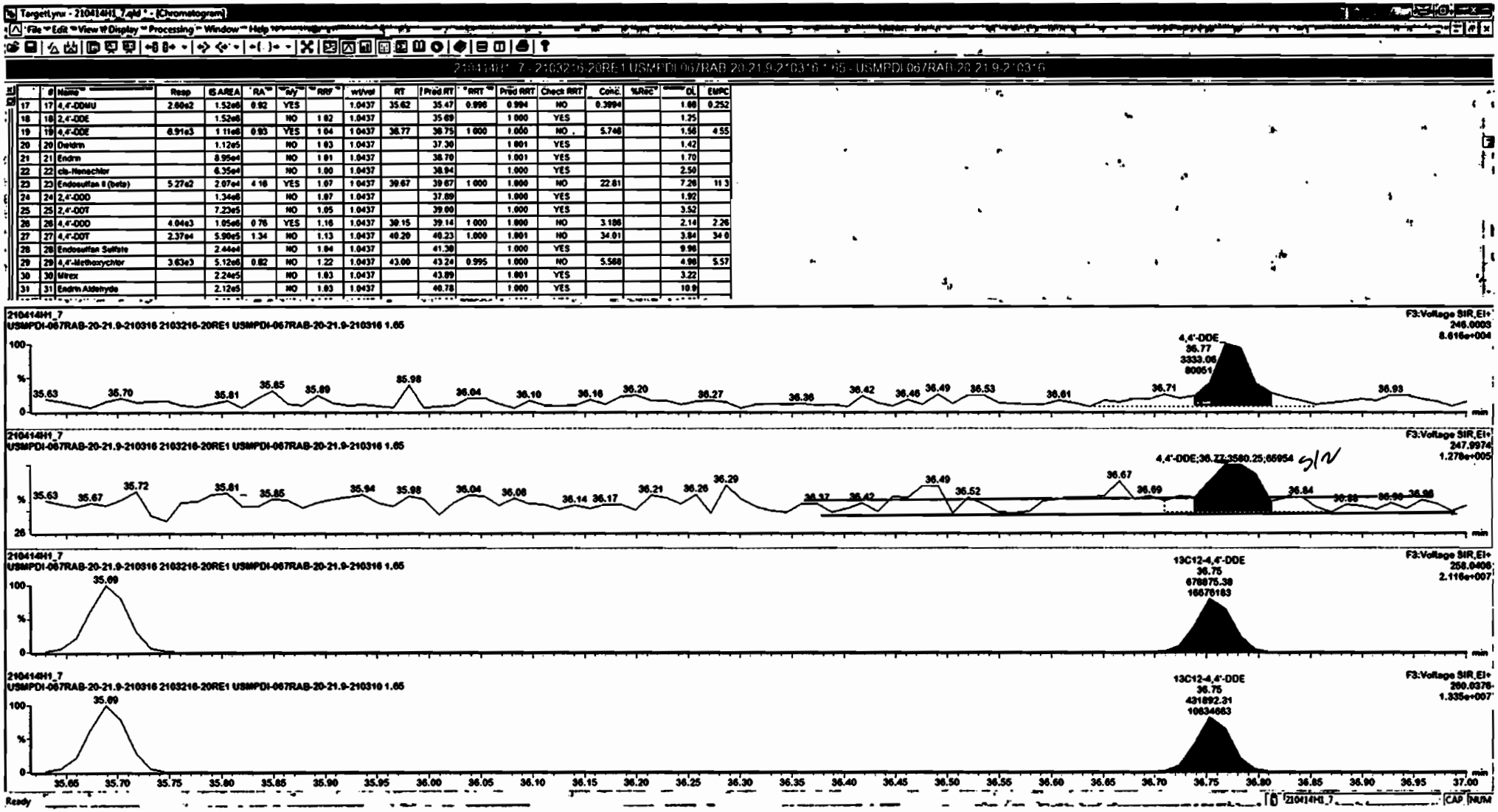
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File Edit View Display Processing Window Help
210414H1_7 - 2103216-20RE1 USMPDI-067RAB-20-21.9-210316 1.65 - USMPDI-067RAB-20-21.9-210316
17 17 4,4'-DDMU 2.60e2 1.52e6 0.92 YES 1.0437 35.62 35.47 0.996 0.994 NO 0.3994 1.66 0.252
18 18 2,4'-DDE 1.52e6 NO 1.02 1.0437 35.69 1.000 YES 1.25
19 19 4,4'-DDE 8.91e3 1.11e6 0.93 YES 1.04 1.0437 36.77 36.75 1.000 1.000 NO 5.746 1.56 4.55
20 20 Dieldrin 1.12e5 NO 1.03 1.0437 37.30 1.001 YES 1.42
21 21 Endrin 8.95e4 NO 1.01 1.0437 36.79 1.001 YES 1.70
22 22 cis-Nonachlor 6.35e4 NO 1.00 1.0437 36.94 1.000 YES 2.50
23 23 Endosulfan II (beta) 5.27e2 2.07e4 4.16 YES 1.07 1.0437 39.67 39.67 1.000 1.000 NO 22.81 7.26 11.3
24 24 2,4'-DDD 1.34e6 NO 1.07 1.0437 37.89 1.000 YES 1.92
25 25 2,4'-DDT 7.23e5 NO 1.05 1.0437 39.66 1.000 YES 3.52
26 26 4,4'-DDD 4.04e3 1.05e6 0.76 YES 1.16 1.0437 39.15 39.14 1.000 1.000 NO 3.188 2.14 2.26
27 27 4,4'-DDT 2.37e4 5.90e5 1.34 NO 1.13 1.0437 40.20 40.23 1.000 1.001 NO 34.01 3.84 34.0
28 28 Endosulfan Sulfate 2.44e4 NO 1.04 1.0437 41.38 1.000 YES 9.96
29 29 4,4'-Methoxychlor 3.63e3 5.12e6 0.82 NO 1.22 1.0437 43.00 43.24 0.995 1.000 NO 5.568 4.98 5.57
30 30 Mirex 2.24e5 NO 1.03 1.0437 43.89 1.001 YES 3.22
31 31 Endrin Aldehyde 2.12e5 NO 1.03 1.0437 40.78 1.000 YES 10.9
210414H1_7
USMPDI-067RAB-20-21.9-210316 2103216-20RE1 USMPDI-067RAB-20-21.9-210316 1.65
F3:Voltage SIR,EI+
246.9003
8.616e+004
4,4'-DDE
36.77
3333.06
80051
35.63 35.70 35.81 35.85 35.89 35.98 36.04 36.10 36.16 36.20 36.27 36.38 36.42 36.46 36.49 36.53 36.61 36.71 36.93
min
210414H1_7
USMPDI-067RAB-20-21.9-210316 2103216-20RE1 USMPDI-067RAB-20-21.9-210316 1.65
F3:Voltage SIR,EI+
247.9974
1.278e+005
4,4'-DDE;36.77;3560.25;65954
S/N
35.63 35.67 35.72 35.81 35.85 35.94 35.98 36.04 36.08 36.14 36.17 36.21 36.26 36.29 36.37 36.42 36.49 36.52 36.67 36.69 36.84
min
210414H1_7
USMPDI-067RAB-20-21.9-210316 2103216-20RE1 USMPDI-067RAB-20-21.9-210316 1.65
F3:Voltage SIR,EI+
258.0406
2.116e+007
13C12-4,4'-DDE
36.75
678875.38
16676183
35.69
min
210414H1_7
USMPDI-067RAB-20-21.9-210316 2103216-20RE1 USMPDI-067RAB-20-21.9-210316 1.65
F3:Voltage SIR,EI+
260.0376
1.335e+007
13C12-4,4'-DDE
36.75
431892.31
10634663
35.69
35.65 35.70 35.75 35.80 35.85 35.90 35.95 36.00 36.05 36.10 36.15 36.20 36.25 36.30 36.35 36.40 36.45 36.50 36.55 36.60 36.65 36.70 36.75 36.80 36.85 36.90 36.95 37.00
min
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210414H1_7
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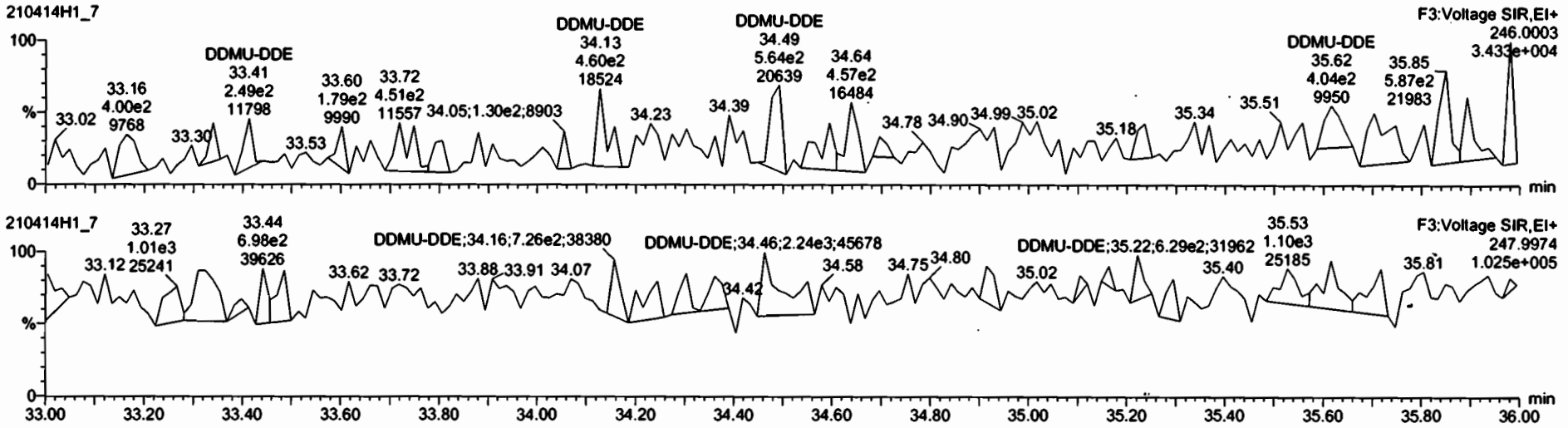
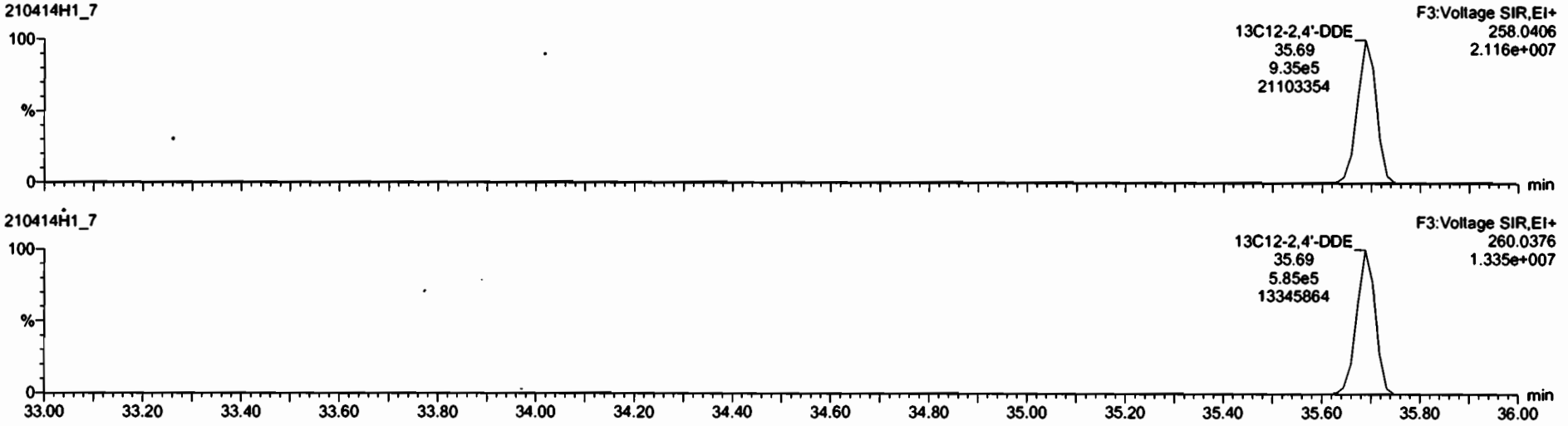
Name: 210414H1_7, Date: 14-Apr-2021, Time: 14:40:13, ID: 2103216-20RE1 USMPDI-067RAB-20-21.9-210316 1.65, Description: USMPDI-067RAB-20-21.9-210316

2,4'-DDE



13C12-2,4'-DDE



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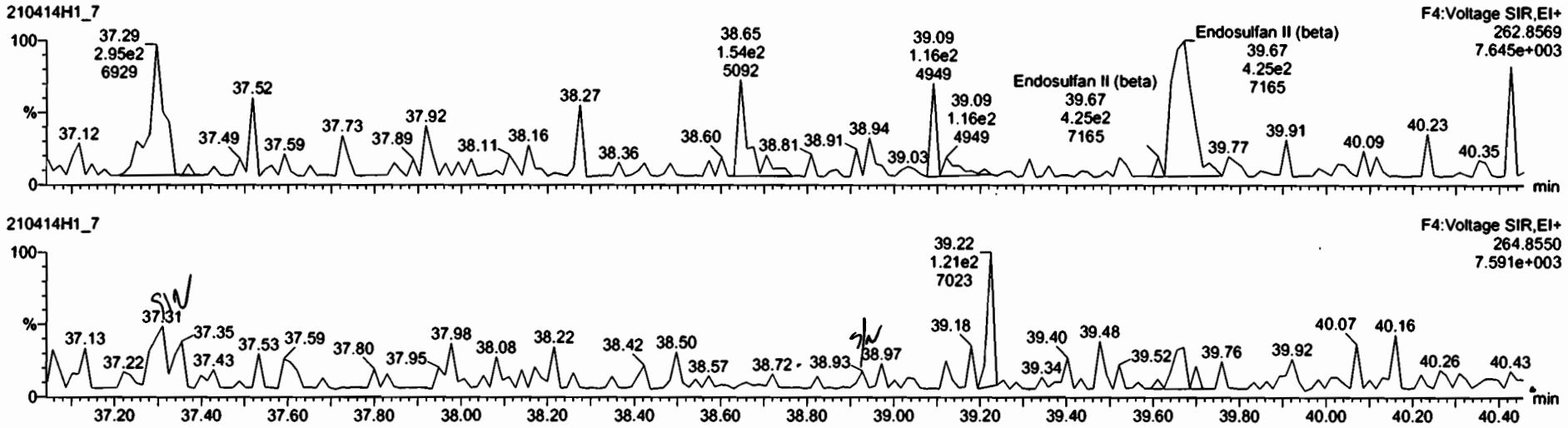
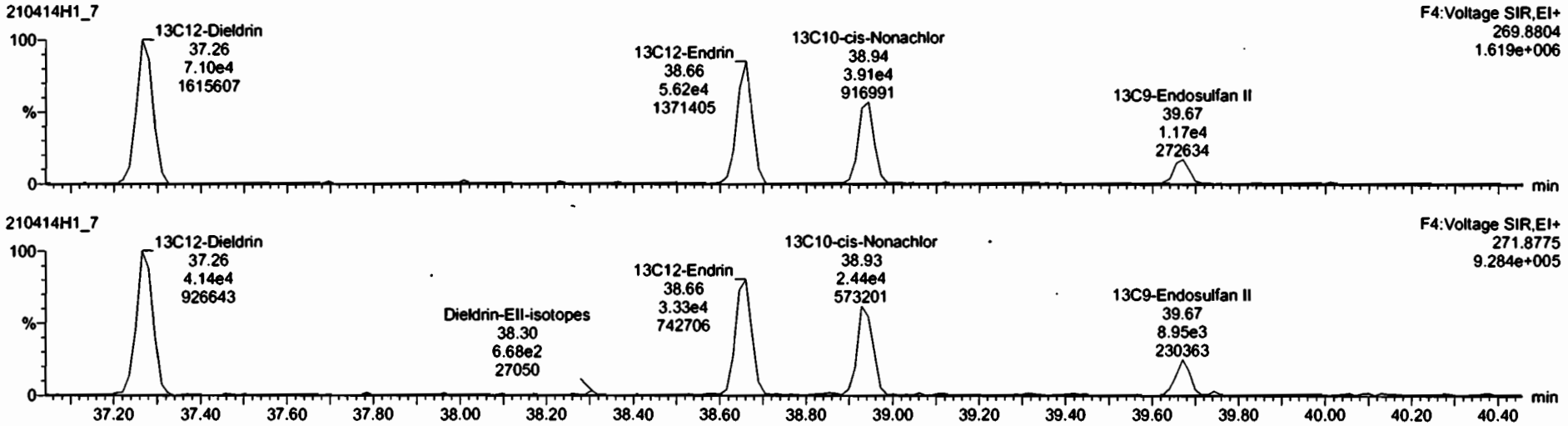
Dieldrin-EII



Dieldrin-EII-isotopes

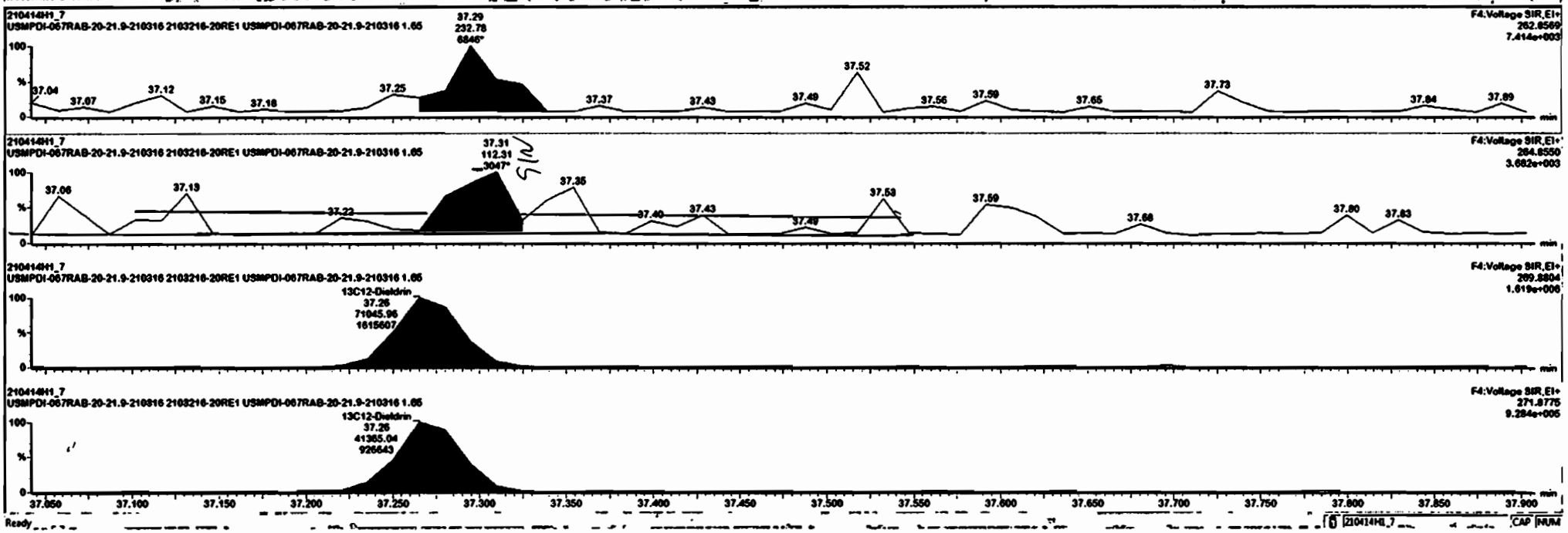


TargetLynx - 210414H1_7.qld * - [Chromatogram]

File Edit View Display Processing Window Help

210414H1_7 - 2103216-20RE1 USMPDI-067RAB-20-21.9-210316 1.65 USMPDI-067RAB-20-21.9-210316

	#	Name	Resp	IS AREA	RA	M/Y	RRF	wt/vol	RT	Prod RT	RRT	Prod RRT	Check RRT	Conc.	%Rec	DL	EMPC
17	17	4,4'-DDMU	2.60e2	1.52e8	0.92	YES		1.0437	35.62	35.47	0.998	0.994	NO	0.3994		1.88	0.252
18	18	2,4'-DDE		1.52e8		NO	1.02	1.0437		35.69		1.000	YES			1.25	
19	19	4,4'-DDE	6.91e3	1.11e8	0.93	YES	1.04	1.0437	36.77	36.75	1.000	1.000	NO	5.748		1.56	4.55
20	20	Dieldrin		1.12e5		NO	1.03	1.0437		37.30		1.001	YES			1.42	
21	21	Endrin		8.95e4		NO	1.01	1.0437		38.70		1.001	YES			1.70	
22	22	cis-Nonachlor		6.35e4		NO	1.00	1.0437		38.94		1.000	YES			2.50	
23	23	Endosulfan II (beta)	5.27e2	2.07e4	4.16	YES	1.07	1.0437	39.67	39.67	1.000	1.000	NO	22.81		7.26	11.3
24	24	2,4'-DDD		1.34e8		NO	1.07	1.0437		37.89		1.000	YES			1.92	
25	25	2,4'-DDT		7.23e5		NO	1.05	1.0437		39.00		1.000	YES			3.52	
26	26	4,4'-DDD	4.04e3	1.05e6	0.76	YES	1.16	1.0437	39.15	39.14	1.000	1.000	NO	3.186		2.14	2.26
27	27	4,4'-DDT	2.37e4	5.90e5	1.34	NO	1.13	1.0437	40.20	40.23	1.000	1.001	NO	34.01		3.84	34.0
28	28	Endosulfan Sulfate		2.44e4		NO	1.04	1.0437		41.38		1.000	YES			9.96	
29	29	4,4'-Methoxychlor	3.63e3	5.12e6	0.82	NO	1.22	1.0437	43.00	43.24	0.995	1.000	NO	5.568		4.98	5.57
30	30	Mirex		2.24e5		NO	1.03	1.0437		43.89		1.001	YES			3.22	
31	31	Endrin Aldehyde		2.12e5		NO	1.03	1.0437		40.78		1.000	YES			10.9	



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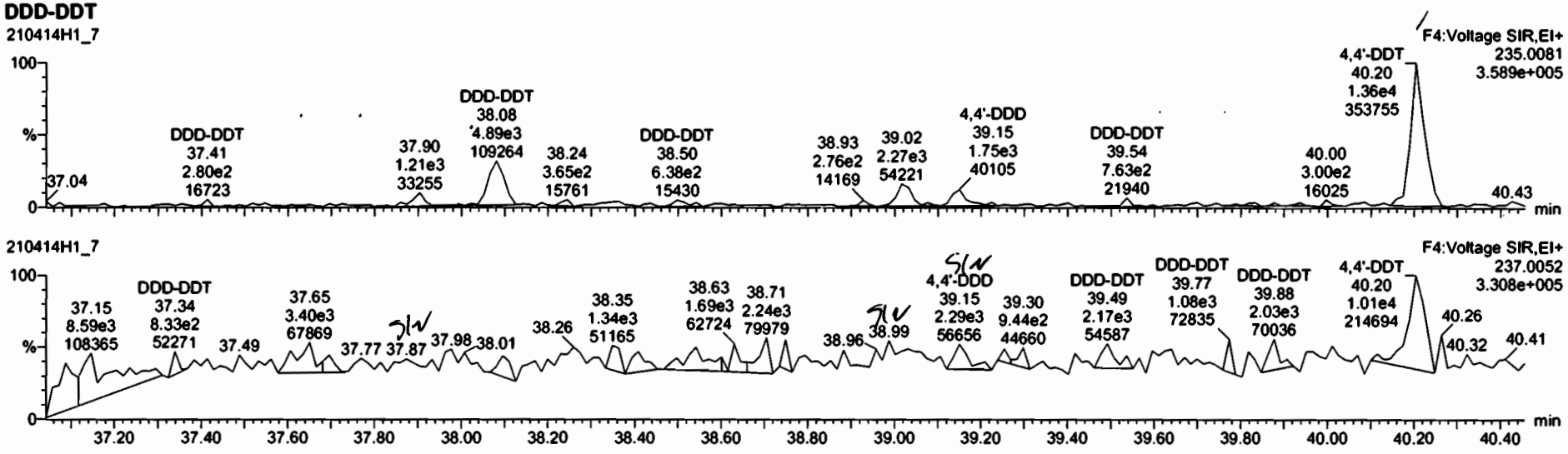
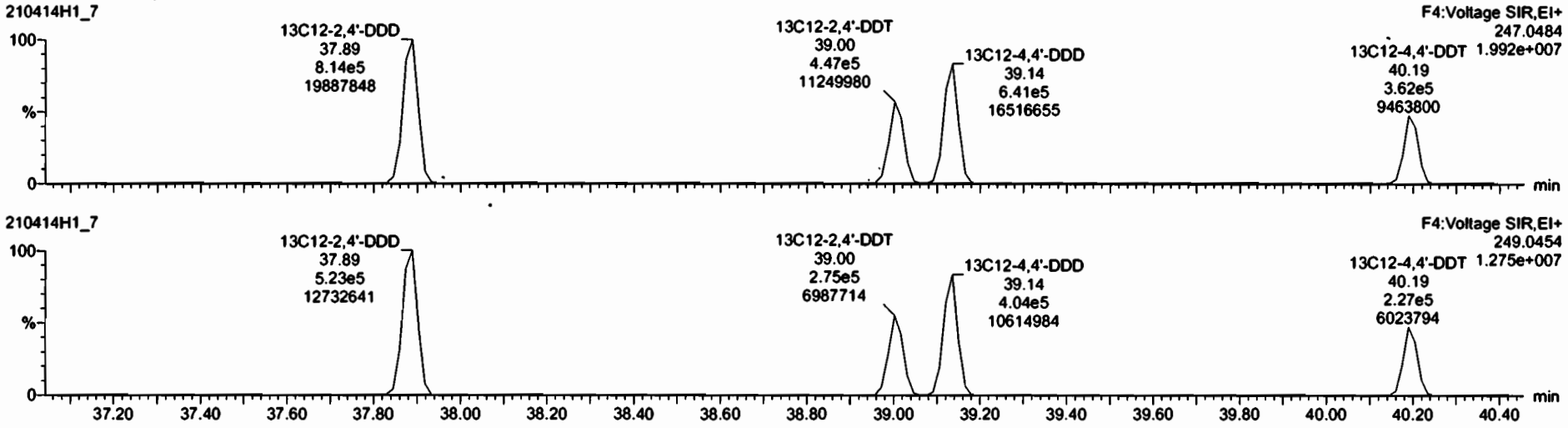
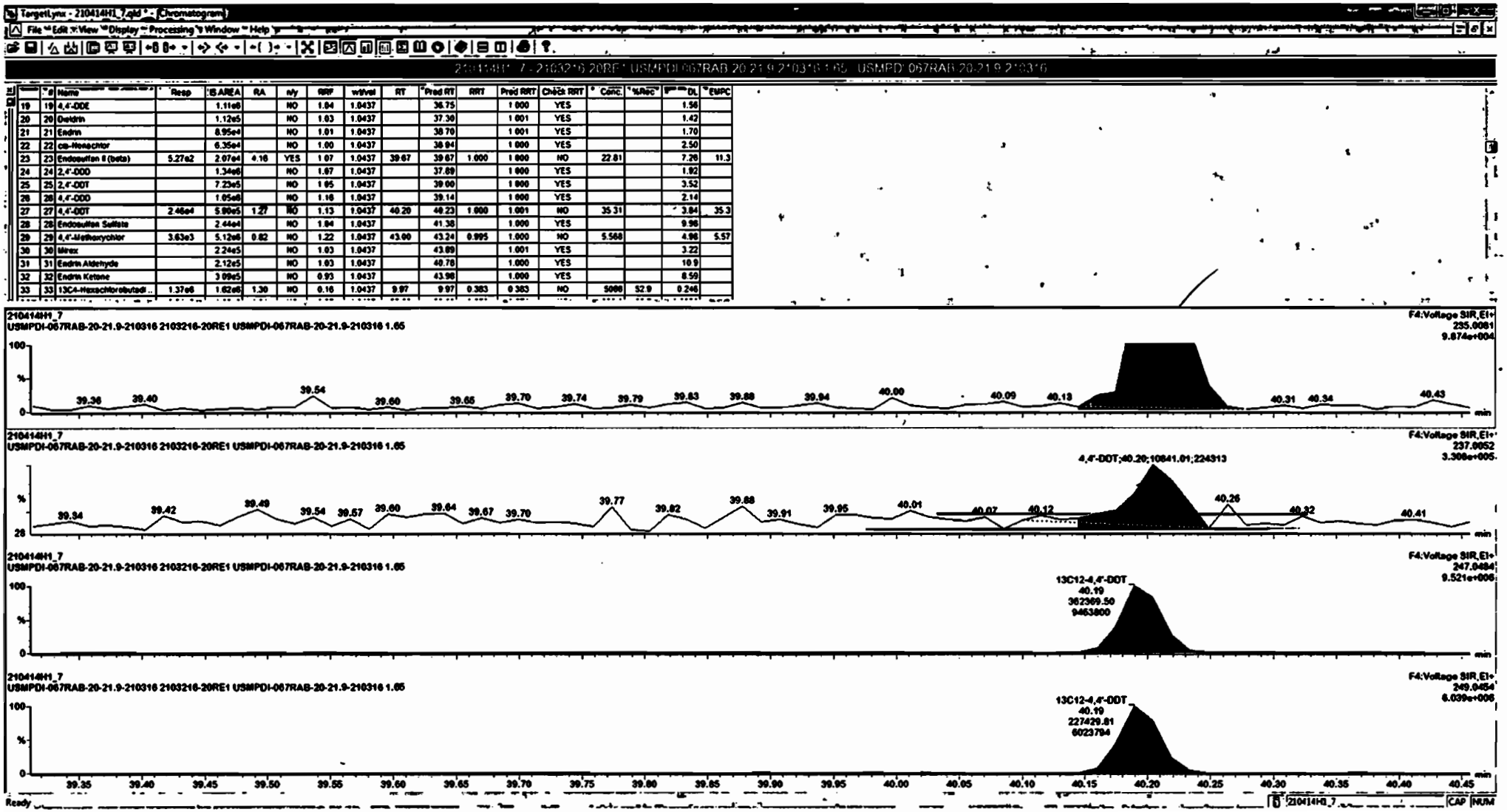
Name: 210414H1_7, Date: 14-Apr-2021, Time: 14:40:13, ID: 2103216-20RE1 USMPDI-067RAB-20-21.9-210316 1.65, Description: USMPDI-067RAB-20-21.9-210316

DDD-DDT



DDD-DDT-isotopes





	#	Name	Resp	IS AREA	RA	n/y	RRF	wtVal	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
19	19	4,4'-DDE		1.11e6		NO	1.04	1.0437		36.75		1.000	YES			1.56	
20	20	Dieldrin		1.12e5		NO	1.03	1.0437		37.30		1.001	YES			1.42	
21	21	Endrin		8.95e4		NO	1.01	1.0437		38.70		1.001	YES			1.70	
22	22	cis-Nonachlor		6.35e4		NO	1.00	1.0437		38.94		1.000	YES			2.50	
23	23	Endosulfan II (beta)	5.27e2	2.07e4	4.16	YES	1.07	1.0437	39.67	39.67	1.000	1.000	NO	22.81		7.26	11.3
24	24	2,4'-DDD		1.34e6		NO	1.07	1.0437		37.89		1.000	YES			1.92	
25	25	2,4'-DDT		7.23e5		NO	1.05	1.0437		39.00		1.000	YES			3.52	
26	26	4,4'-DDD		1.05e6		NO	1.16	1.0437		39.14		1.000	YES			2.14	
27	27	4,4'-DDT	2.46e4	5.90e5	1.27	NO	1.13	1.0437	40.20	40.23	1.000	1.001	NO	35.31		3.84	35.3
28	28	Endosulfan Sulfate		2.44e4		NO	1.04	1.0437		41.38		1.000	YES			9.96	
29	29	4,4'-Methoxychlor	3.63e3	5.12e6	0.82	NO	1.22	1.0437	43.00	43.24	0.995	1.000	NO	5.568		4.96	5.57
30	30	Mirex		2.24e5		NO	1.03	1.0437		43.89		1.001	YES			3.22	
31	31	Endrin Aldehyde		2.12e5		NO	1.03	1.0437		40.78		1.000	YES			10.9	
32	32	Endrin Ketone		3.09e5		NO	0.93	1.0437		43.98		1.000	YES			8.59	
33	33	13C4-Hexachlorobutadi..	1.37e6	1.62e6	1.30	NO	0.16	1.0437	9.97	9.97	0.383	0.383	NO	5000	52.9	0.246	

Dataset: Untitled

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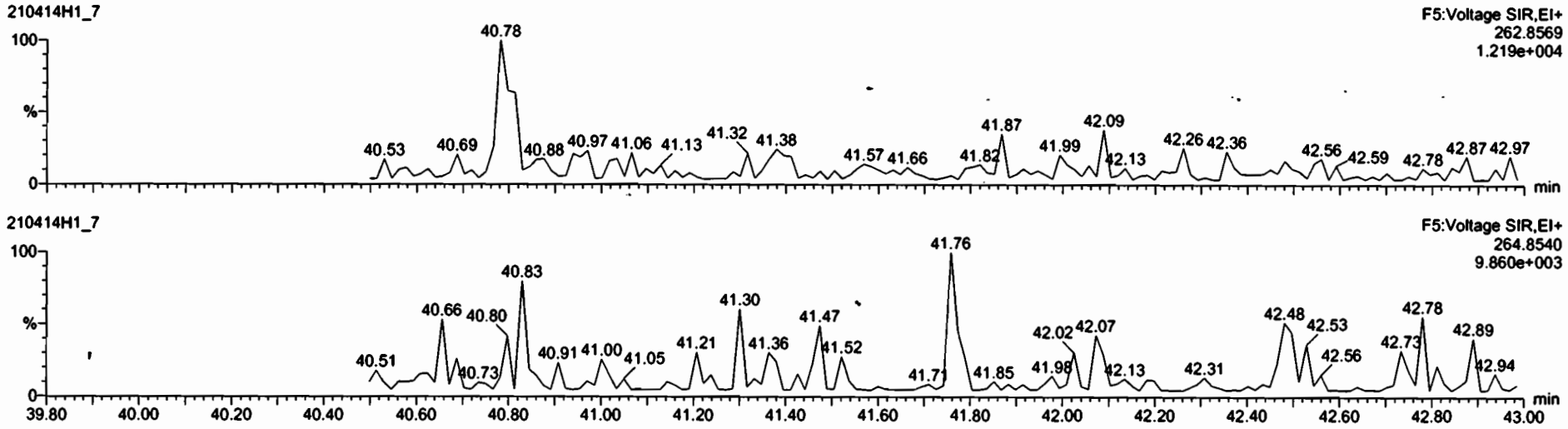
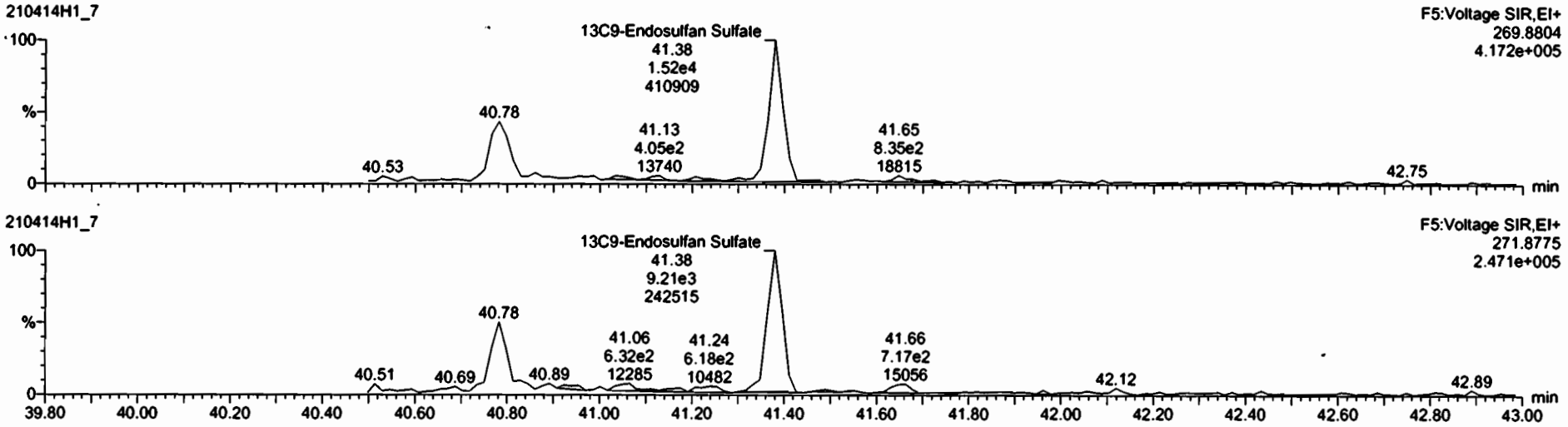
Name: 210414H1_7, Date: 14-Apr-2021, Time: 14:40:13, ID: 2103216-20RE1 USMPDI-067RAB-20-21.9-210316 1.65, Description: USMPDI-067RAB-20-21.9-210316

Endosulfan Sulfate



13C9-Endosulfan Sulfate



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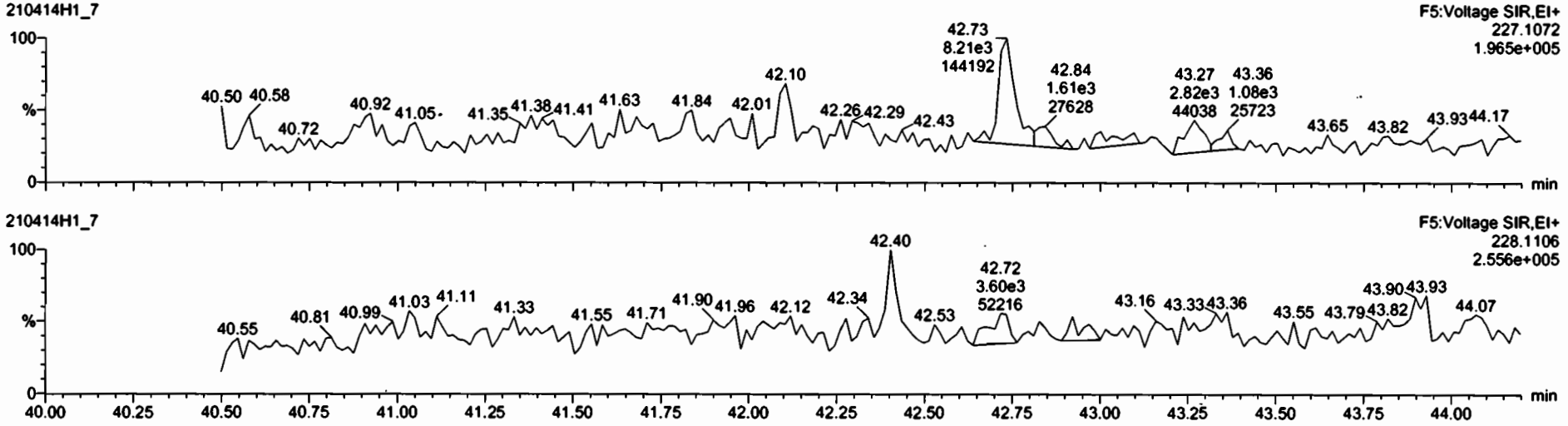
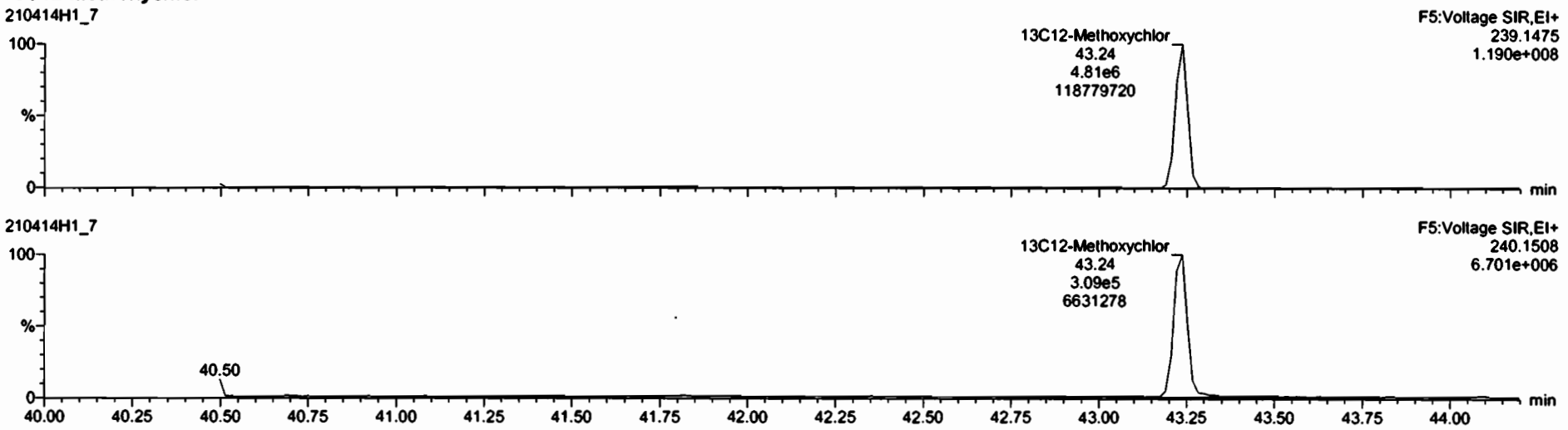
4,4'-Methoxychlor



13C12-Methoxychlor



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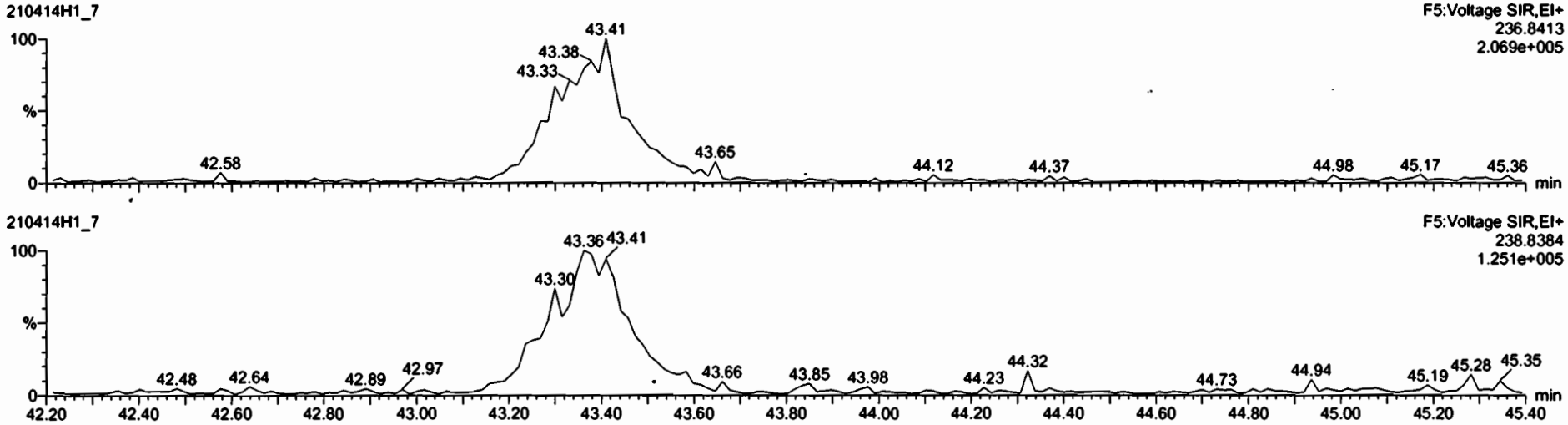
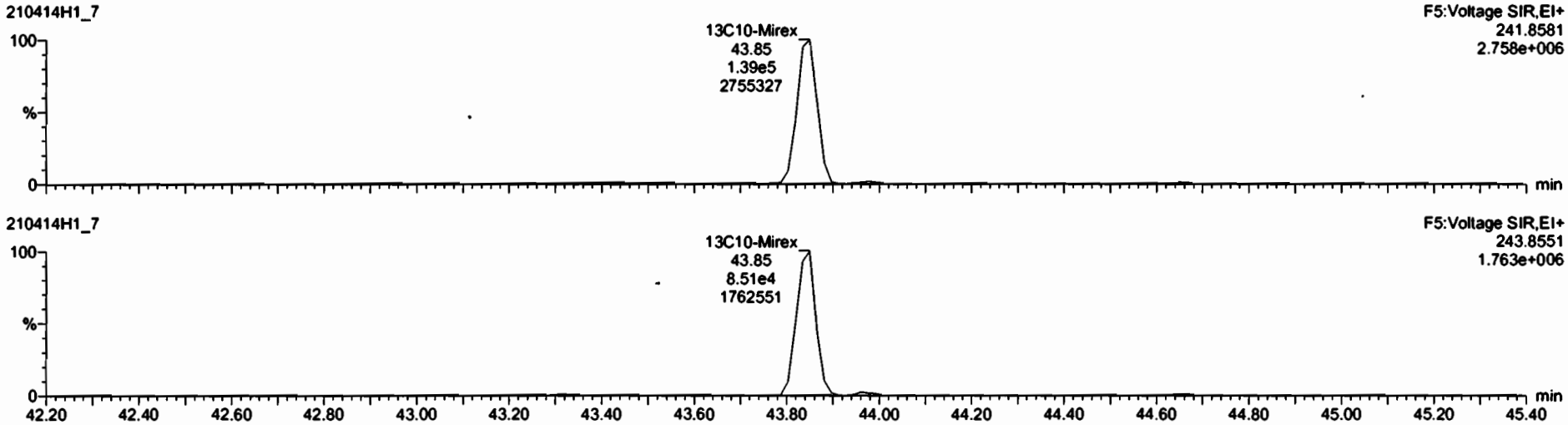
Mirex



13C10-Mirex



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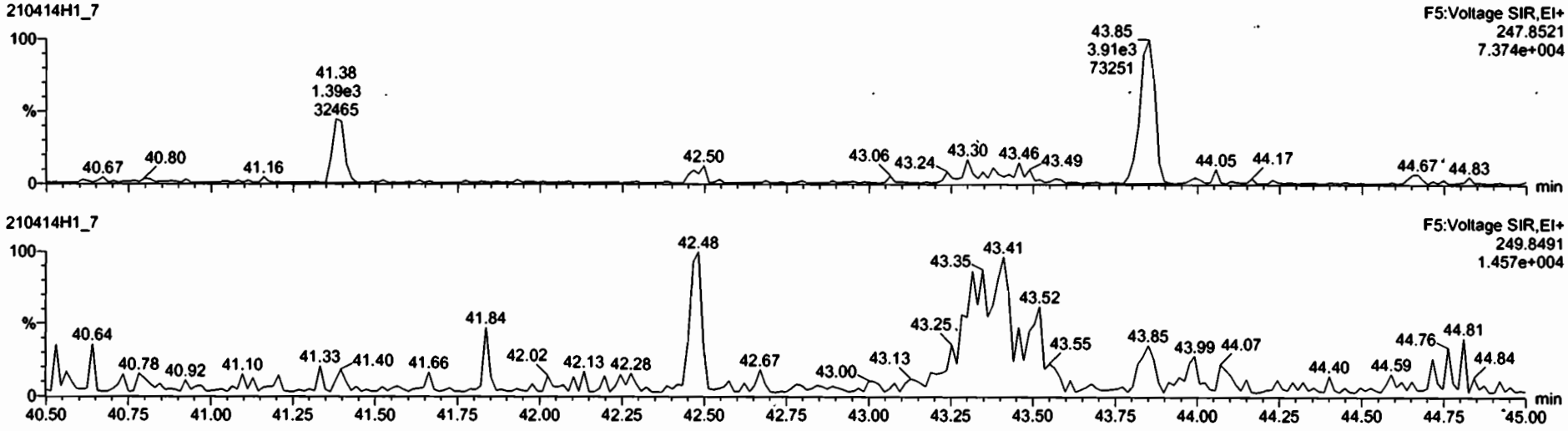
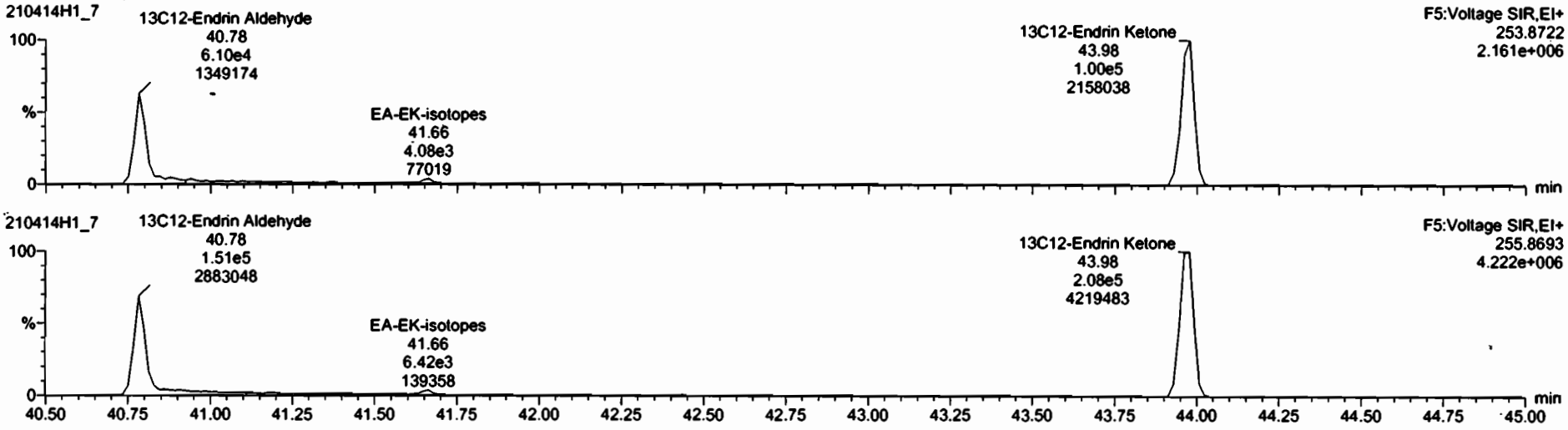
EA-EK



EA-EK-isotopes



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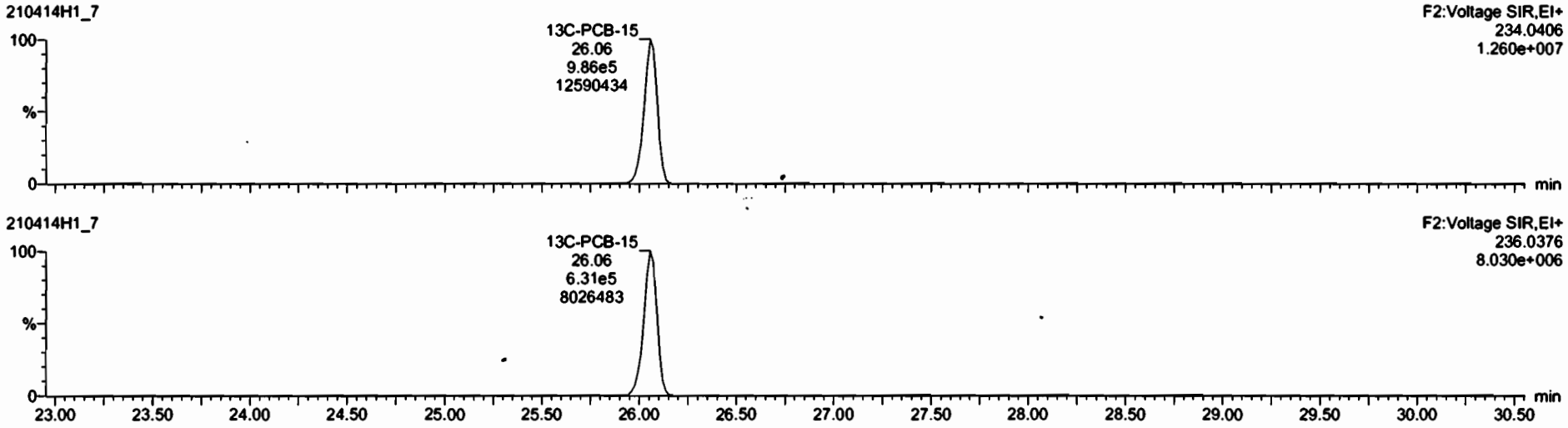
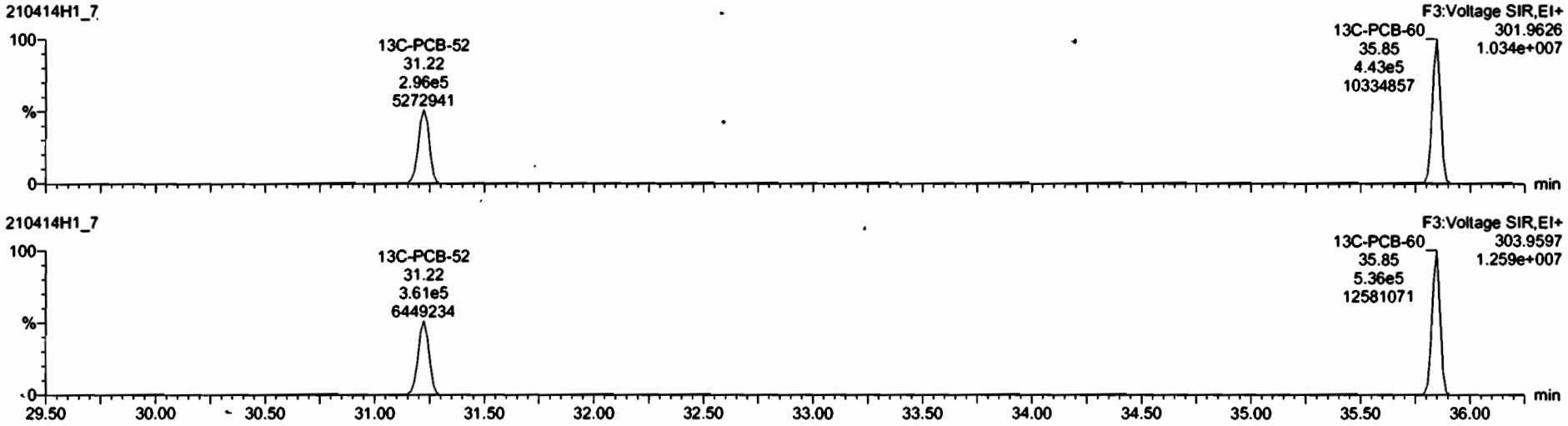
13C-PCB-15



13C-PCB-60



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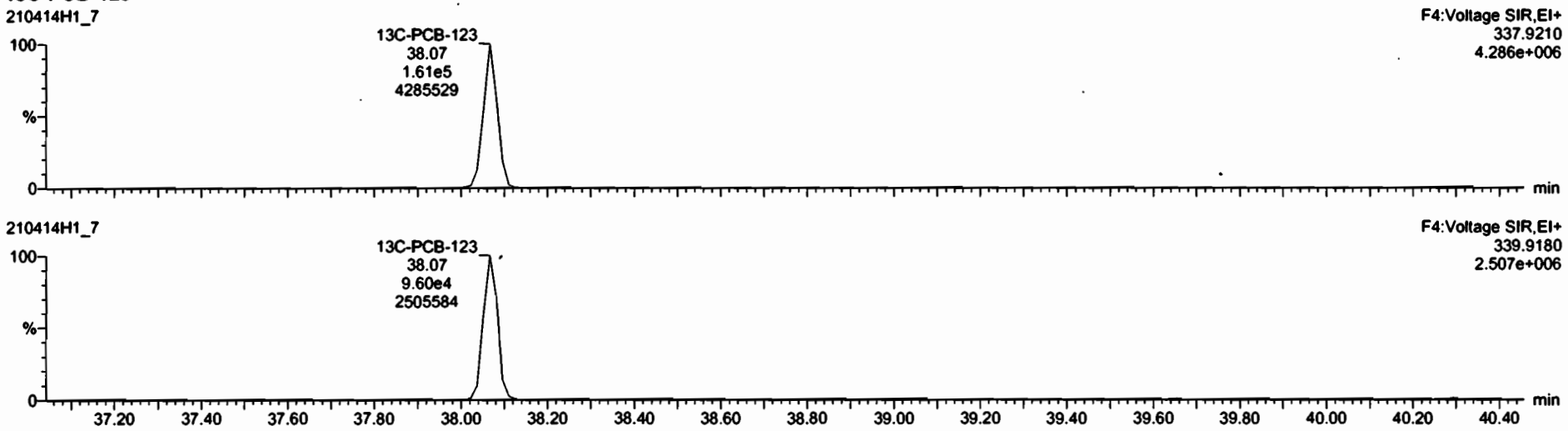
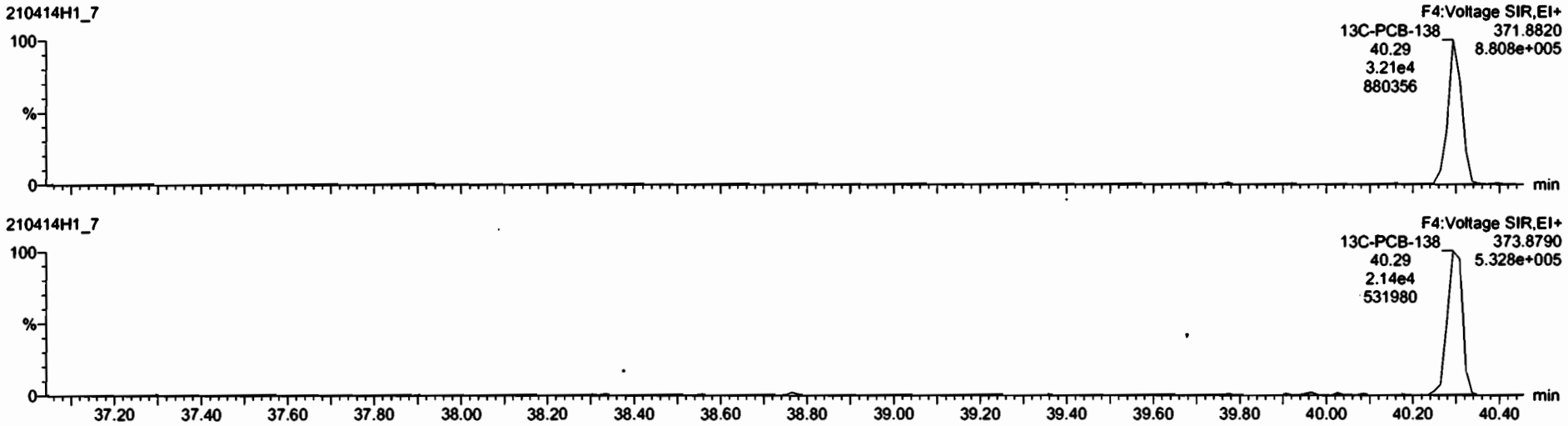
13C-PCB-123



13C-PCB-138

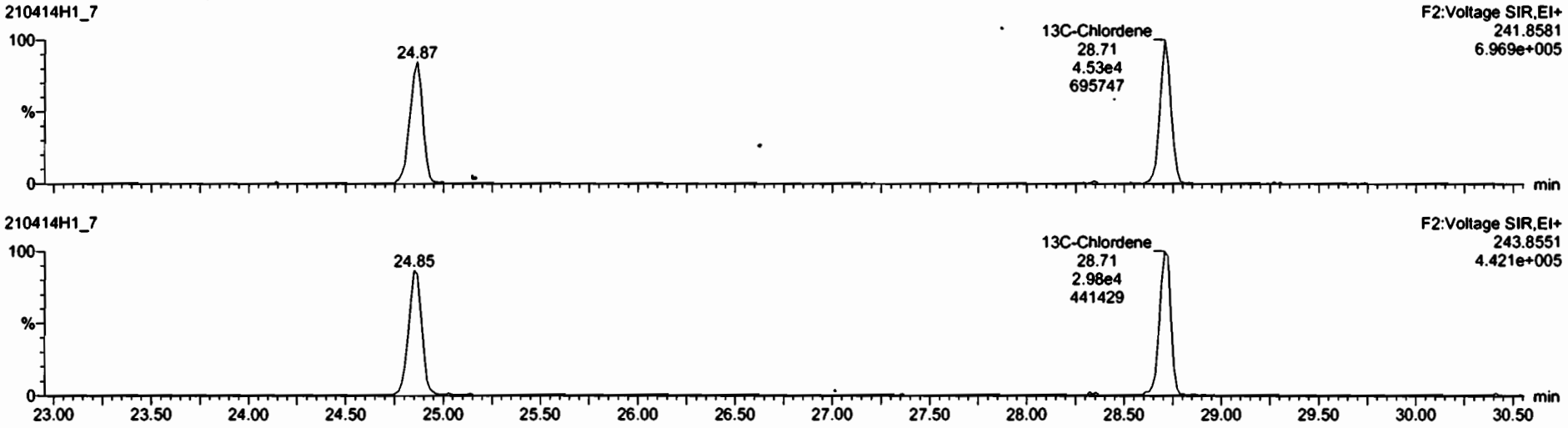


Dataset: Untitled

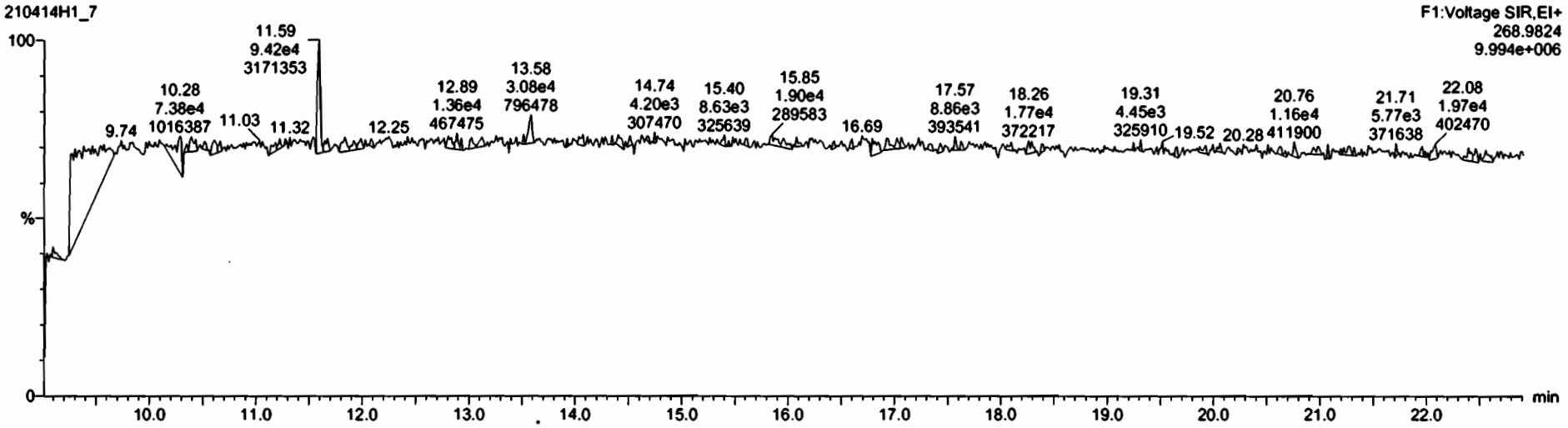
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_7, Date: 14-Apr-2021, Time: 14:40:13, ID: 2103216-20RE1 USMPDI-067RAB-20-21.9-210316 1.65, Description: USMPDI-067RAB-20-21.9-210316

13C-Chlordene



PFK1

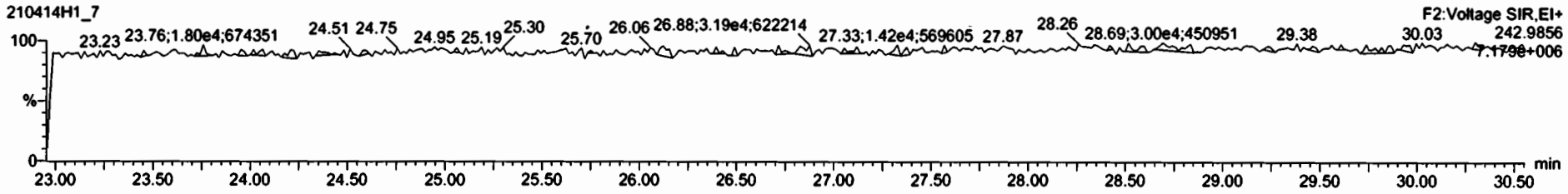


Dataset: Untitled

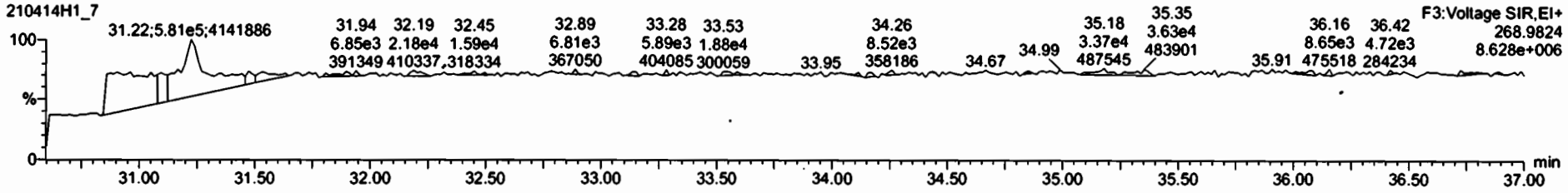
Last Altered: Thursday, April 15, 2021 15:49:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 16:10:09 Pacific Daylight Time

Name: 210414H1_7, Date: 14-Apr-2021, Time: 14:40:13, ID: 2103216-20RE1 USMPDI-067RAB-20-21.9-210316 1.65, Description: USMPDI-067RAB-20-21.9-210316

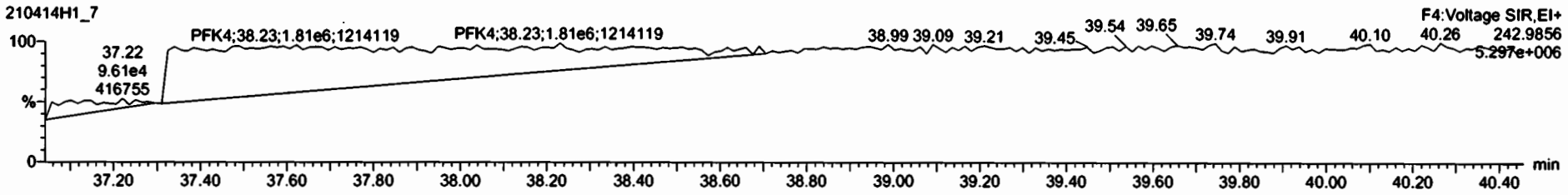
PFK2



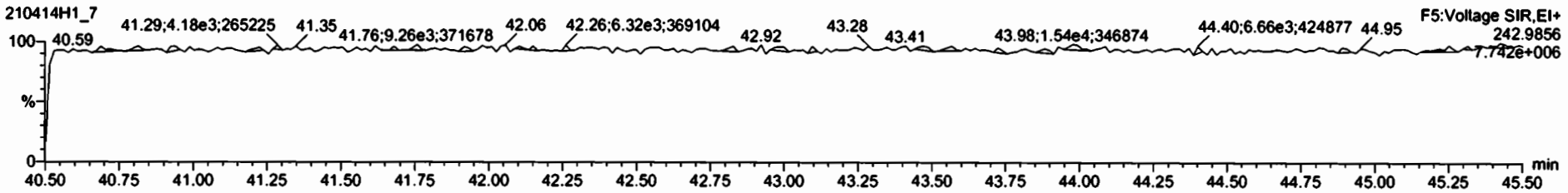
PFK3



PFK4



PFK5



CONTINUING CALIBRATION

HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calbration ID: ST210406D1-2 **Reviewed By:** DF 04/07/24

Initials & Date

End Calibration ID: NA

	Beg.	End
Ion abundance within QC limits?	☒	NA
Concentrations within criteria?	☒	☐
TCDD/TCDF Valleys <25%	☒	☐
First and last eluters present?	☒	☐
Retention Times within criteria?	☒	☐
Verification Std. named correctly? (ST-Year-Month-Day-VG ID)	☒	☐
Forms signed and dated?	☒	☐
Correct ICAL referenced?	HC	D

Run Log:

- Correct instrument listed?	☒	NA
- Samples within 12 hour clock?	(Y)	N
- Bottle position verfied?	HC	

	Beg.	End
Mass resolution ≥	☒	☒ (A)
☐ 5k ☐ 6-8K ☐ 8K ~~☒~~ 10K 1614 1699 429 1613/1668/8280		
Intergrated peaks display correctly?	☒	NA
GC Break <20%	NA	

8280 CS1 End Standard:

- Ratios within limits, S/N <2.5:1, CS1 within 12 hours	NA

Comments:

(A) instrument paused, End Res check printed following day

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-3.qld

Last Altered: Tuesday, April 06, 2021 10:36:36 Pacific Daylight Time
Printed: Tuesday, April 06, 2021 11:42:38 Pacific Daylight Time

HL 4.6.2021
DF 04/06/21

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_4-6-21.mdb 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210406D1_3, Date: 06-Apr-2021, Time: 09:50:40, ID: ST210406D1-2 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	1.80e4	1.91e5	0.79	NO	0.998	27.08	27.08	NO	1.001	1.001	9.4735	94.7	NO
2	2	1,2,3,7,8-PeCDD	5.88e4	1.23e5	0.60	NO	0.961	31.23	31.21	NO	1.001	1.000	49.755	99.5	NO
3	3	1,2,3,4,7,8-HxCDD	5.54e4	9.47e4	1.27	NO	1.18	34.66	34.66	NO	1.000	1.000	49.422	98.8	NO
4	4	1,2,3,6,7,8-HxCDD	5.40e4	1.03e5	1.27	NO	1.04	34.80	34.80	NO	1.000	1.000	50.659	101	NO
5	5	1,2,3,7,8,9-HxCDD	5.63e4	1.04e5	1.27	NO	1.06	35.12	35.10	NO	1.001	1.000	50.952	102	NO
6	6	1,2,3,4,6,7,8-HpCDD	4.46e4	8.28e4	1.03	NO	1.06	38.49	38.50	NO	1.000	1.001	50.879	102	NO
7	7	OCDD	6.08e4	1.22e5	0.87	NO	0.977	42.05	42.05	NO	1.000	1.000	101.67	102	NO
8	8	2,3,7,8-TCDF	2.52e4	2.80e5	0.76	NO	0.989	26.50	26.51	NO	1.001	1.001	9.0922	90.9	NO
9	9	1,2,3,7,8-PeCDF	9.78e4	1.95e5	1.65	NO	1.02	30.10	30.10	NO	1.001	1.001	48.961	97.9	NO
10	10	2,3,4,7,8-PeCDF	1.03e5	1.80e5	1.62	NO	1.17	31.06	31.05	NO	1.001	1.001	48.452	96.9	NO
11	11	1,2,3,4,7,8-HxCDF	8.50e4	1.52e5	1.23	NO	1.14	33.68	33.68	NO	1.001	1.001	49.296	98.6	NO
12	12	1,2,3,6,7,8-HxCDF	8.98e4	1.69e5	1.26	NO	1.04	33.82	33.83	NO	1.000	1.001	50.896	102	NO
13	13	2,3,4,6,7,8-HxCDF	8.44e4	1.48e5	1.26	NO	1.13	34.54	34.55	NO	1.000	1.001	50.653	101	NO
14	14	1,2,3,7,8,9-HxCDF	7.06e4	1.32e5	1.27	NO	1.07	35.67	35.69	NO	1.000	1.000	49.751	99.5	NO
15	15	1,2,3,4,6,7,8-HpCDF	6.35e4	1.17e5	1.00	NO	1.11	37.33	37.30	NO	1.001	1.000	48.683	97.4	NO
16	16	1,2,3,4,7,8,9-HpCDF	5.46e4	8.34e4	1.02	NO	1.32	39.22	39.24	NO	1.000	1.000	49.798	99.6	NO
17	17	OCDF	8.15e4	1.79e5	0.90	NO	0.931	42.40	42.42	NO	1.000	1.000	98.059	98.1	NO
18	18	13C-2,3,7,8-TCDD	1.91e5	1.57e5	0.81	NO	1.20	27.06	27.06	NO	1.024	1.024	101.31	101	NO
19	19	13C-1,2,3,7,8-PeCDD	1.23e5	1.57e5	0.59	NO	0.864	31.21	31.21	NO	1.181	1.181	90.940	90.9	NO
20	20	13C-1,2,3,4,7,8-HxCDD	9.47e4	1.61e5	1.34	NO	0.600	34.65	34.65	NO	1.014	1.015	98.287	98.3	NO
21	21	13C-1,2,3,6,7,8-HxCDD	1.03e5	1.61e5	1.33	NO	0.674	34.77	34.78	NO	1.018	1.018	94.648	94.6	NO
22	22	13C-1,2,3,7,8,9-HxCDD	1.04e5	1.61e5	1.30	NO	0.679	35.08	35.09	NO	1.027	1.027	95.596	95.6	NO
23	23	13C-1,2,3,4,6,7,8-HpCDD	8.28e4	1.61e5	1.07	NO	0.558	38.43	38.48	NO	1.125	1.126	92.284	92.3	NO
24	24	13C-OCDD	1.22e5	1.61e5	0.92	NO	0.496	42.03	42.05	NO	1.230	1.231	153.46	76.7	NO
25	25	13C-2,3,7,8-TCDF	2.80e5	2.67e5	0.77	NO	1.03	26.48	26.48	NO	1.002	1.002	102.35	102	NO
26	26	13C-1,2,3,7,8-PeCDF	1.95e5	2.67e5	1.61	NO	0.805	30.08	30.08	NO	1.138	1.139	90.922	90.9	NO
27	27	13C-2,3,4,7,8-PeCDF	1.80e5	2.67e5	1.60	NO	0.748	31.03	31.03	NO	1.174	1.175	90.338	90.3	NO
28	28	13C-1,2,3,4,7,8-HxCDF	1.52e5	1.61e5	0.50	NO	0.968	33.66	33.65	NO	0.985	0.985	97.413	97.4	NO
29	29	13C-1,2,3,6,7,8-HxCDF	1.69e5	1.61e5	0.51	NO	1.08	33.83	33.81	NO	0.990	0.990	97.103	97.1	NO
30	30	13C-2,3,4,6,7,8-HxCDF	1.48e5	1.61e5	0.51	NO	0.960	34.54	34.53	NO	1.011	1.011	95.662	95.7	NO
31	31	13C-1,2,3,7,8,9-HxCDF	1.32e5	1.61e5	0.48	NO	0.869	35.65	35.67	NO	1.044	1.044	94.491	94.5	NO

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\210406D1\210406D1-3.qld

Last Altered: Tuesday, April 06, 2021 10:36:36 Pacific Daylight Time
Printed: Tuesday, April 06, 2021 11:42:38 Pacific Daylight Time

Name: 210406D1_3, Date: 06-Apr-2021, Time: 09:50:40, ID: ST210406D1-2 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	1.17e5	1.61e5	0.41	NO	0.794	37.21	37.29	NO	1.089	1.092	91.698	91.7	NO
33	33 13C-1,2,3,4,7,8,9-HpCDF	8.34e4	1.61e5	0.42	NO	0.586	39.22	39.22	NO	1.148	1.148	88.523	88.5	NO
34	34 13C-OCDF	1.79e5	1.61e5	0.90	NO	0.711	42.40	42.40	NO	1.241	1.241	156.29	78.1	NO
35	35 37Cl-2,3,7,8-TCDD	1.57e4	1.57e5			1.11	27.07	27.08	NO	1.025	1.025	9.0409	90.4	NO
36	36 13C-1,2,3,4-TCDD	1.57e5	1.57e5	0.81	NO	1.00	26.42	26.42	NO	1.000	1.000	100.00	100	NO
37	37 13C-1,2,3,4-TCDF	2.67e5	2.67e5	0.79	NO	1.00	25.21	25.19	NO	1.000	1.000	100.00	100	NO
38	38 13C-1,2,3,4,6,9-HxCDF	1.61e5	1.61e5	0.51	NO	1.00	34.18	34.16	NO	1.000	1.000	100.00	100	NO

Vista Analytical Laboratory VG-11

Dataset: Untitled

Last Altered: Wednesday, April 07, 2021 08:34:15 Pacific Daylight Time
Printed: Wednesday, April 07, 2021 08:35:17 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_4-6-21.mdb 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

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

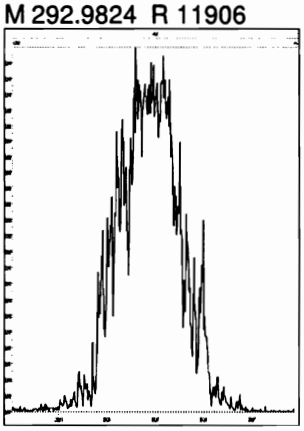
	Name	ID	Acq.Date	Acq.Time
1	210406D1_1	ST210406D1-1 1613 CS3 20H2521	06-Apr-21	08:10:15 (R)
2	210406D1_2	TCDF CPSM 21B1807	06-Apr-21	09:01:55
3	210406D1_3	ST210406D1-2 1613 CS3 20H2521	06-Apr-21	09:50:40
4	210406D1_4	B1C0237-BS1 OPR 10	06-Apr-21	10:38:22
5	210406D1_5	SOLVENT BLANK	06-Apr-21	11:24:08
6	210406D1_6	B1C0237-BLK1 Method Blank 10	06-Apr-21	12:10:43
7	210406D1_7	2103216-01 USMPDI-058RAB-00-10-210317 ...	06-Apr-21	12:57:29
8	210406D1_8	2103216-02 USMPDI-058RAB-10-20-210317 ...	06-Apr-21	13:44:08
9	210406D1_9	2103216-03 USMPDI-058RAB-20-26.2-21031...	06-Apr-21	14:30:53
10	210406D1_10	2103216-04 USMPDI-059RAB-00-10-210318 ...	06-Apr-21	15:17:32
11	210406D1_11	2103216-05 USMPDI-059RAB-10-20-210318 ...	06-Apr-21	16:04:12
12	210406D1_12	2103216-06 USMPDI-059RAB-20-25.5-21031...	06-Apr-21	16:50:51
13	210406D1_13	2103216-07 USMPDI-060RAB-00-10-210317 ...	06-Apr-21	17:37:29
14	210406D1_14	2103216-08 USMPDI-060RAB-10-20-210317 ...	06-Apr-21	18:24:08
15	210406D1_15	B1C0237-DUP1 Duplicate 12.38	06-Apr-21	19:10:46

(R) RT with adjusted window.
PeCDF last eluter out.

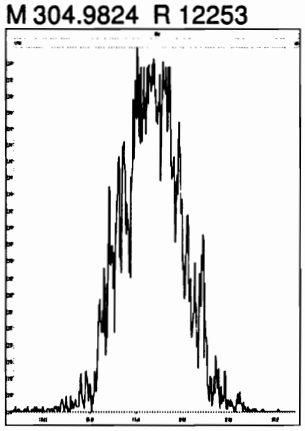
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Tuesday, April 06, 2021 08:06:34 Pacific Daylight Time

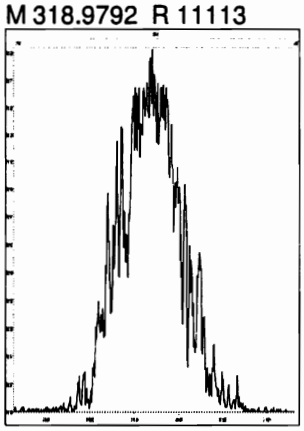
M 292.9824 R 11906



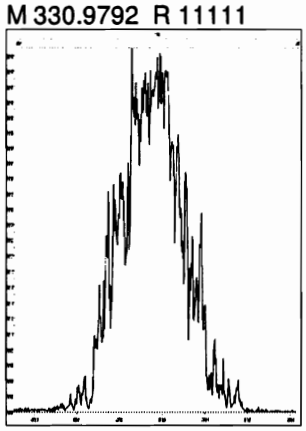
M 304.9824 R 12253



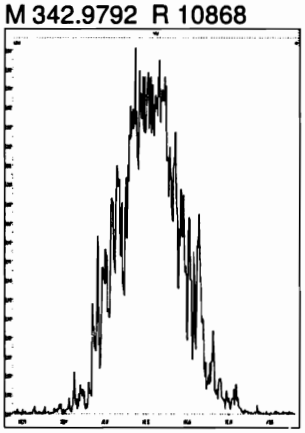
M 318.9792 R 11113



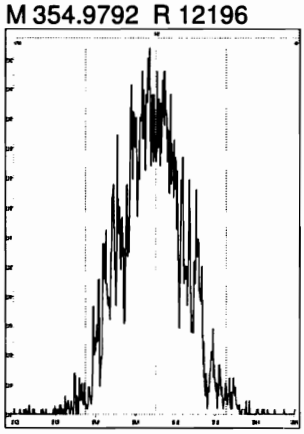
M 330.9792 R 11111



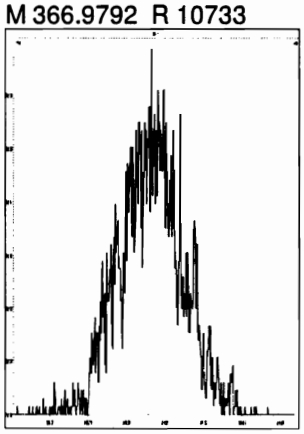
M 342.9792 R 10868



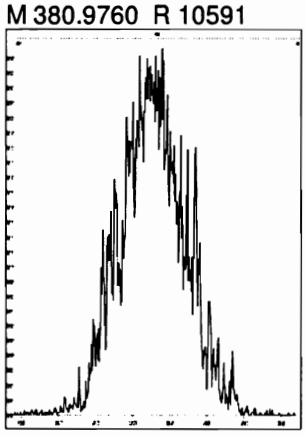
M 354.9792 R 12196



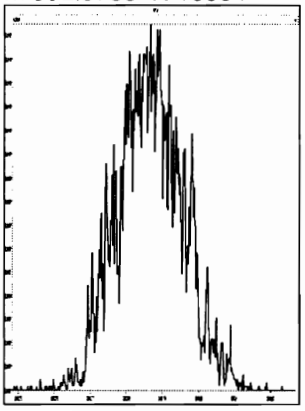
M 366.9792 R 10733



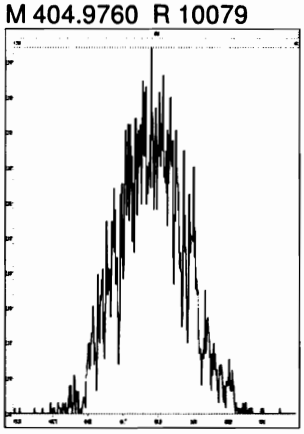
M 380.9760 R 10591



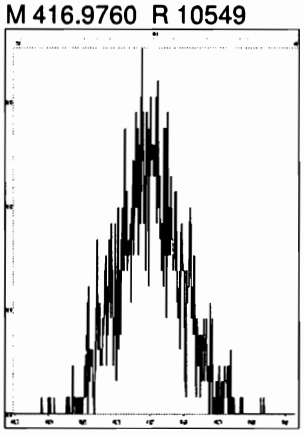
M 392.9760 R 10504



M 404.9760 R 10079



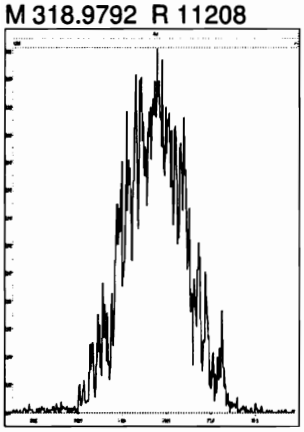
M 416.9760 R 10549



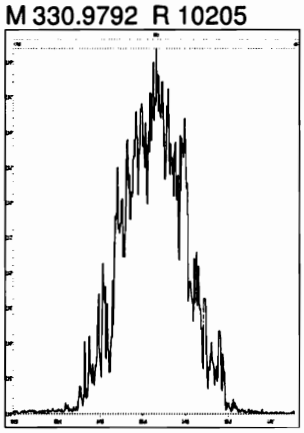
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Tuesday, April 06, 2021 08:07:14 Pacific Daylight Time

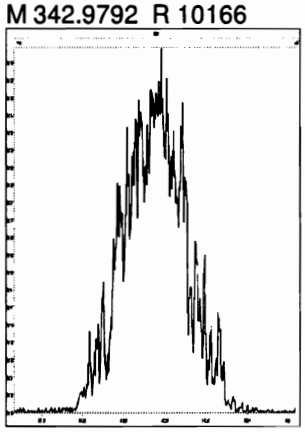
M 318.9792 R 11208



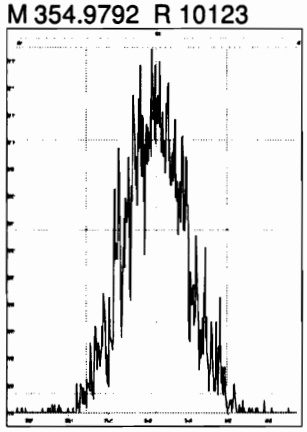
M 330.9792 R 10205



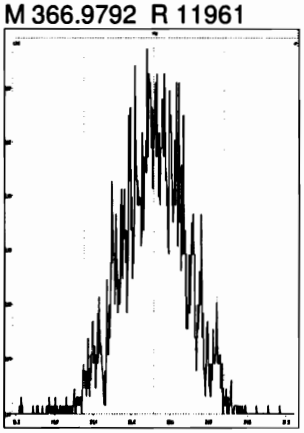
M 342.9792 R 10166



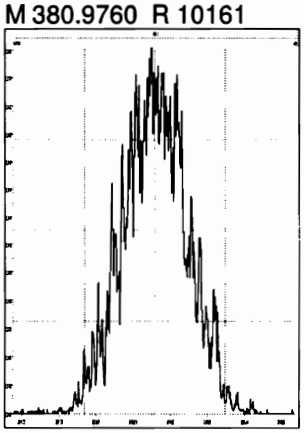
M 354.9792 R 10123



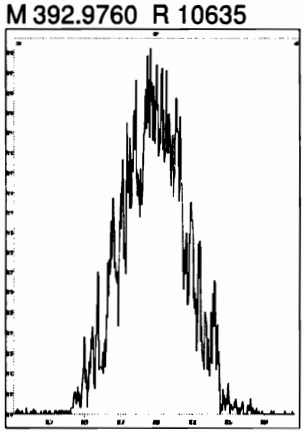
M 366.9792 R 11961



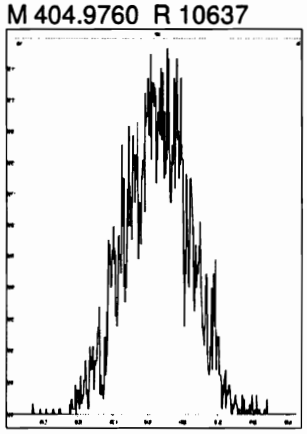
M 380.9760 R 10161



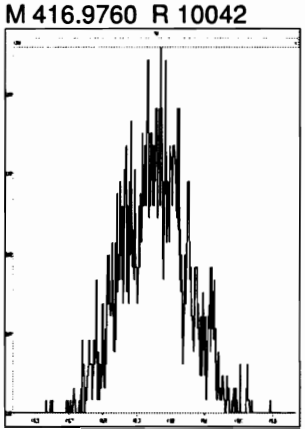
M 392.9760 R 10635



M 404.9760 R 10637



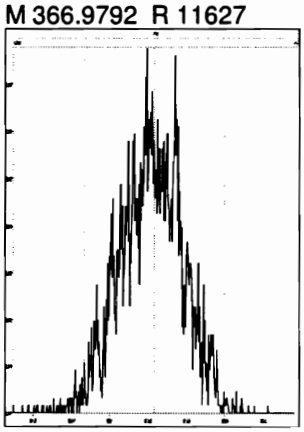
M 416.9760 R 10042



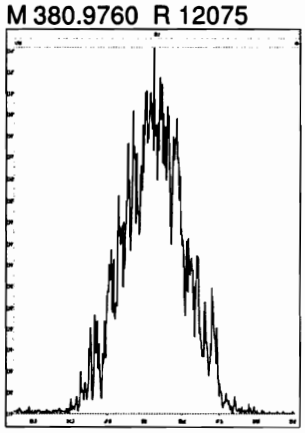
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Tuesday, April 06, 2021 08:07:59 Pacific Daylight Time

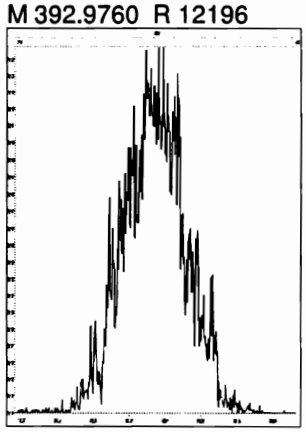
M 366.9792 R 11627



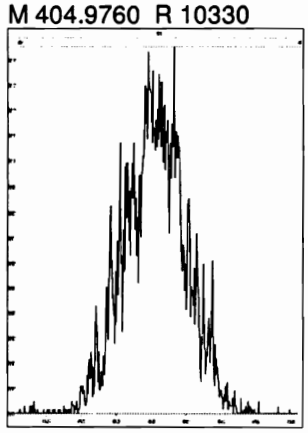
M 380.9760 R 12075



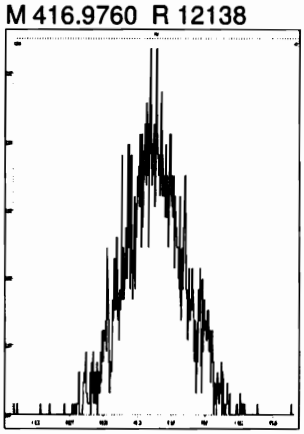
M 392.9760 R 12196



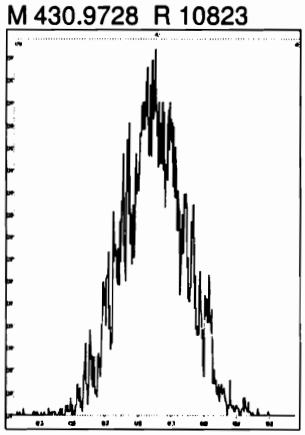
M 404.9760 R 10330



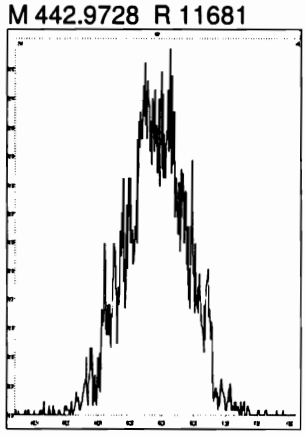
M 416.9760 R 12138



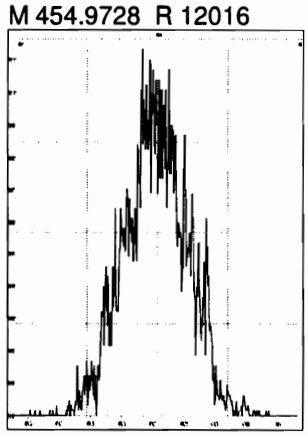
M 430.9728 R 10823



M 442.9728 R 11681



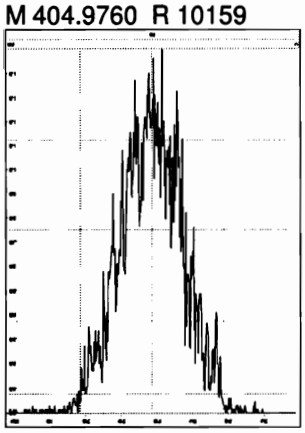
M 454.9728 R 12016



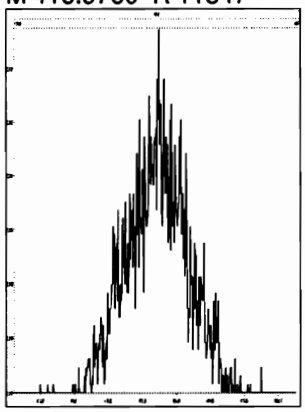
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Tuesday, April 06, 2021 08:08:31 Pacific Daylight Time

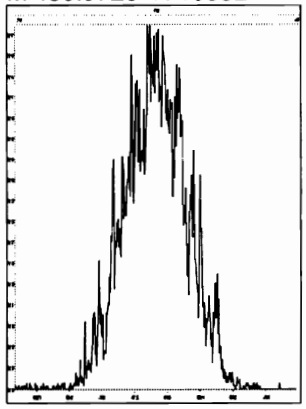
M 404.9760 R 10159



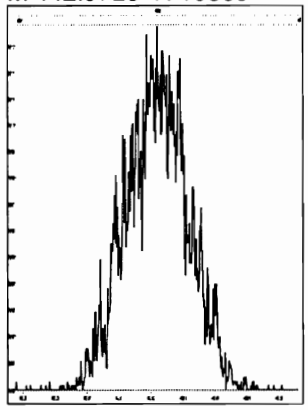
M 416.9760 R 11847



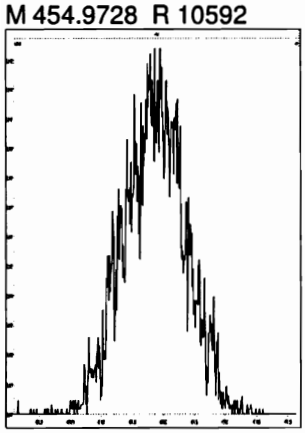
M 430.9728 R 10332



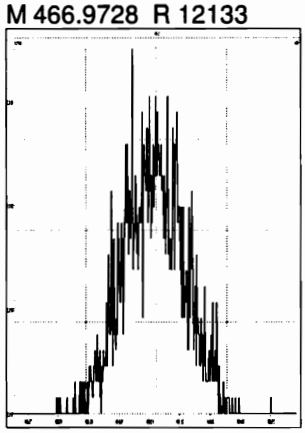
M 442.9728 R 10869



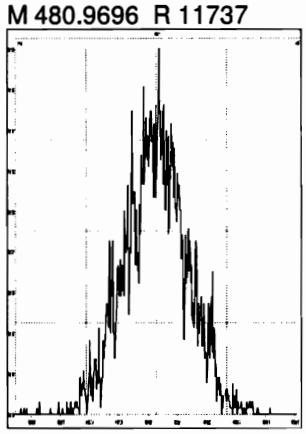
M 454.9728 R 10592



M 466.9728 R 12133



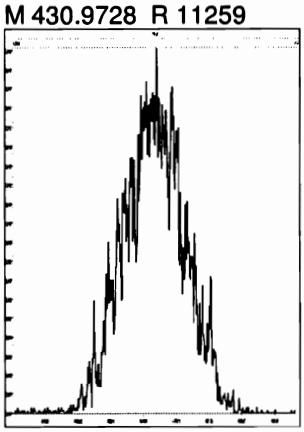
M 480.9696 R 11737



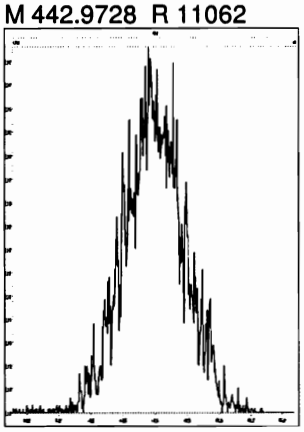
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Tuesday, April 06, 2021 08:09:09 Pacific Daylight Time

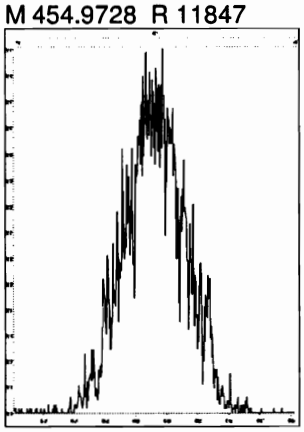
M 430.9728 R 11259



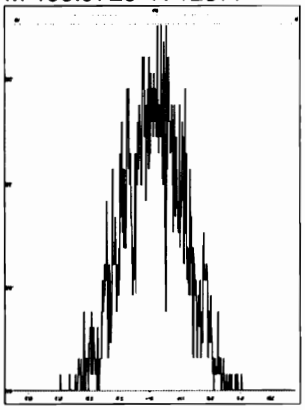
M 442.9728 R 11062



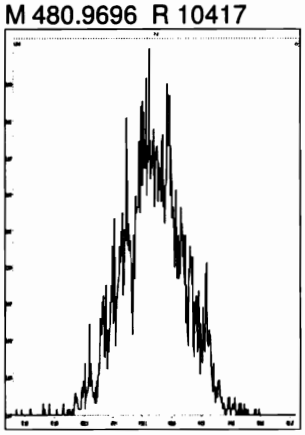
M 454.9728 R 11847



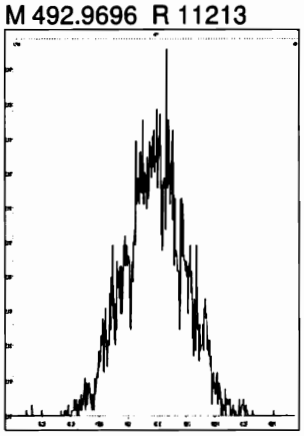
M 466.9728 R 12377



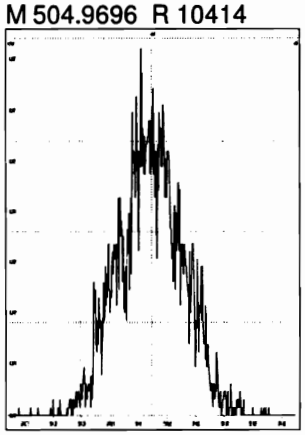
M 480.9696 R 10417



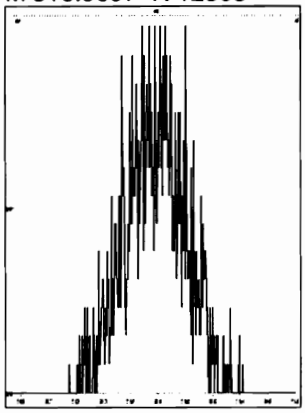
M 492.9696 R 11213



M 504.9696 R 10414



M 516.9697 R 12503



Vista Analytical Laboratory

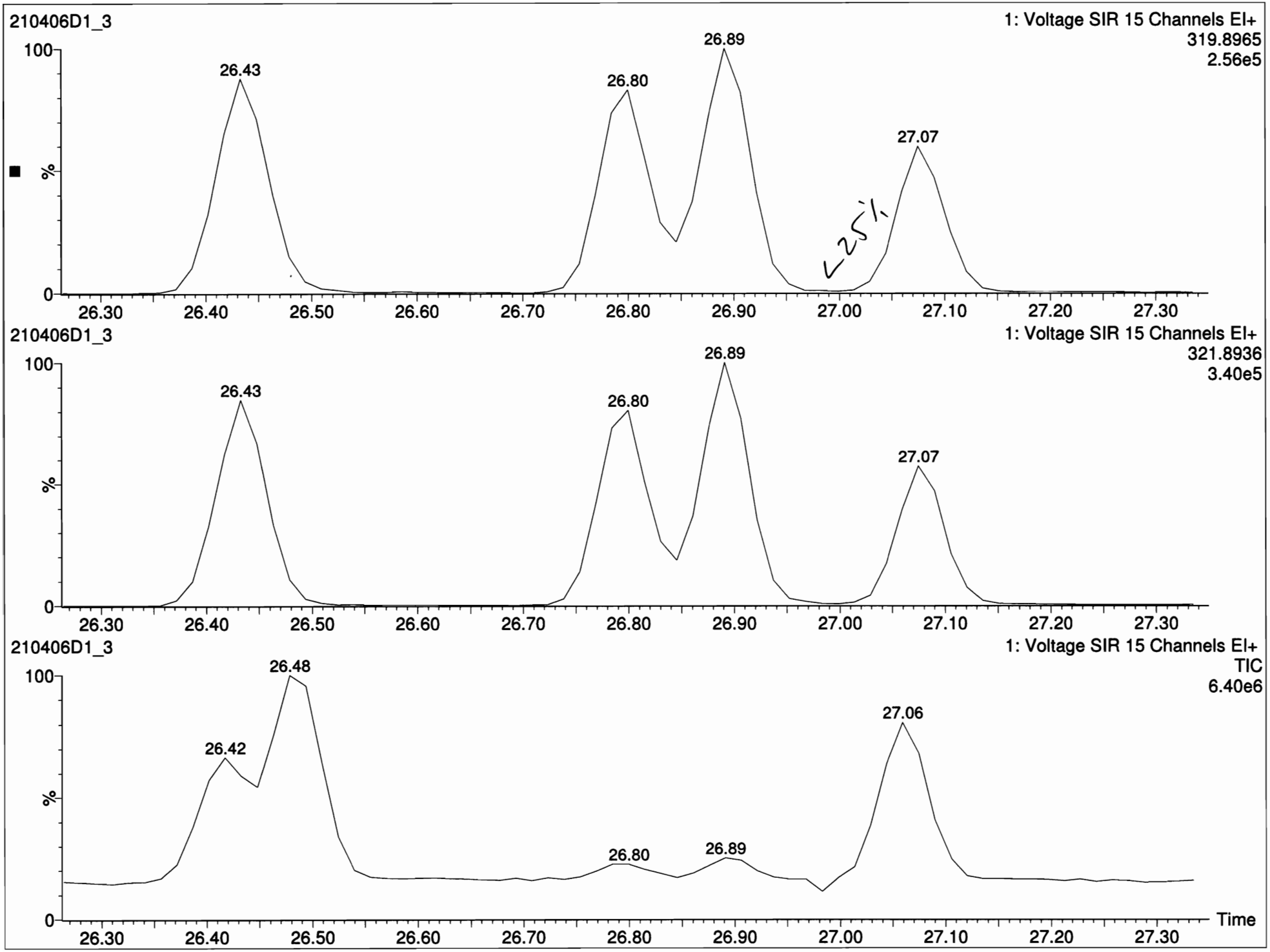
Dataset: Untitled

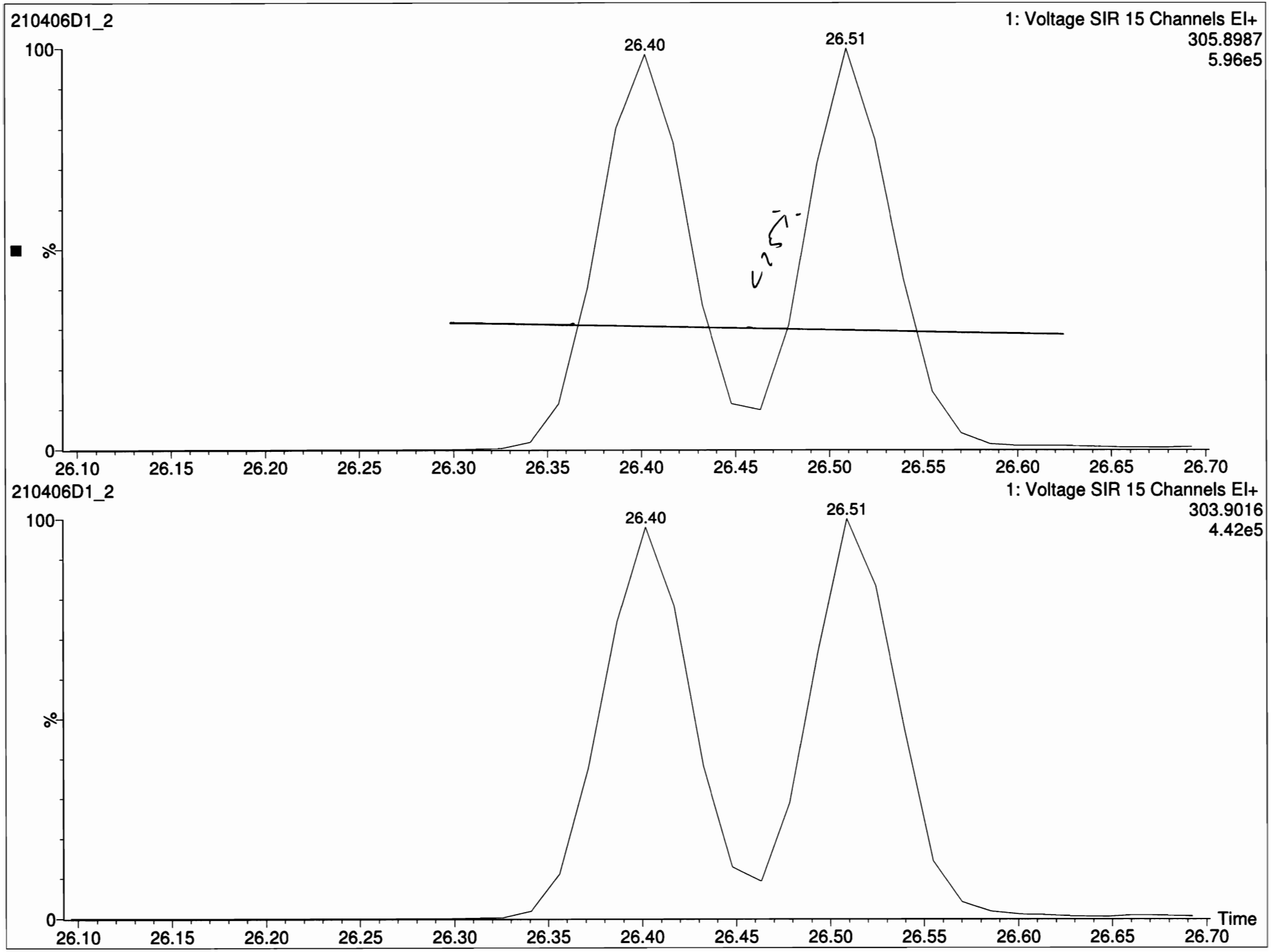
Last Altered: Tuesday, April 06, 2021 11:04:07 Pacific Daylight Time
Printed: Tuesday, April 06, 2021 11:06:09 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\CPSM.mdb 06 Apr 2021 11:04:01
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210406D1_3, Date: 06-Apr-2021, Time: 09:50:40, ID: ST210406D1-2 1613 CS3 20H2521, Description: 1613 CS3 20H2521

	Name	RT
1	1,3,6,8-TCDD (First)	23.99
2	1,2,8,9-TCDD (Last)	27.84
3	1,2,4,7,9-PeCDD (First)	29.18
4	1,2,3,8,9-PeCDD (Last)	31.55
5	1,2,4,6,7,9-HxCDD (First)	32.88
6	1,2,3,7,8,9-HxCDD (Last)	35.10
7	1,2,3,4,6,7,9-HpCDD (First)	37.59
8	1,2,3,4,6,7,8-HpCDD (Last)	38.50
9	1,3,6,8-TCDF (First)	22.15
10	1,2,8,9-TCDF (Last)	28.13
11	1,3,4,6,8-PeCDF (First)	27.73
12	1,2,3,8,9-PeCDF (Last)	31.91
13	1,2,3,4,6,8-HxCDF (First)	32.31
14	1,2,3,7,8,9-HxCDF (Last)	35.68
15	1,2,3,4,6,7,8-HpCDF (First)	37.30
16	1,2,3,4,7,8,9-HpCDF (Last)	39.24


210406D1_3
1: Voltage SIR 15 Channels EI+
319.8965
2.56e5
100
%
0
26.43
26.80
26.89
27.07
26.30
26.40
26.50
26.60
26.70
26.80
26.90
27.00
27.10
27.20
27.30
210406D1_3
1: Voltage SIR 15 Channels EI+
321.8936
3.40e5
26.43
26.80
26.89
27.07
210406D1_3
1: Voltage SIR 15 Channels EI+
TIC
6.40e6
26.42
26.48
26.80
26.89
27.06
Time


210406D1_2
1: Voltage SIR 15 Channels EI+
305.8987
5.96e5
100
%
0
26.40
26.51
26.10
26.15
26.20
26.25
26.30
26.35
26.40
26.45
26.50
26.55
26.60
26.65
26.70
210406D1_2
1: Voltage SIR 15 Channels EI+
303.9016
4.42e5
100
%
0
26.40
26.51
Time
26.10
26.15
26.20
26.25
26.30
26.35
26.40
26.45
26.50
26.55
26.60
26.65
26.70

Vista Analytical Laboratory

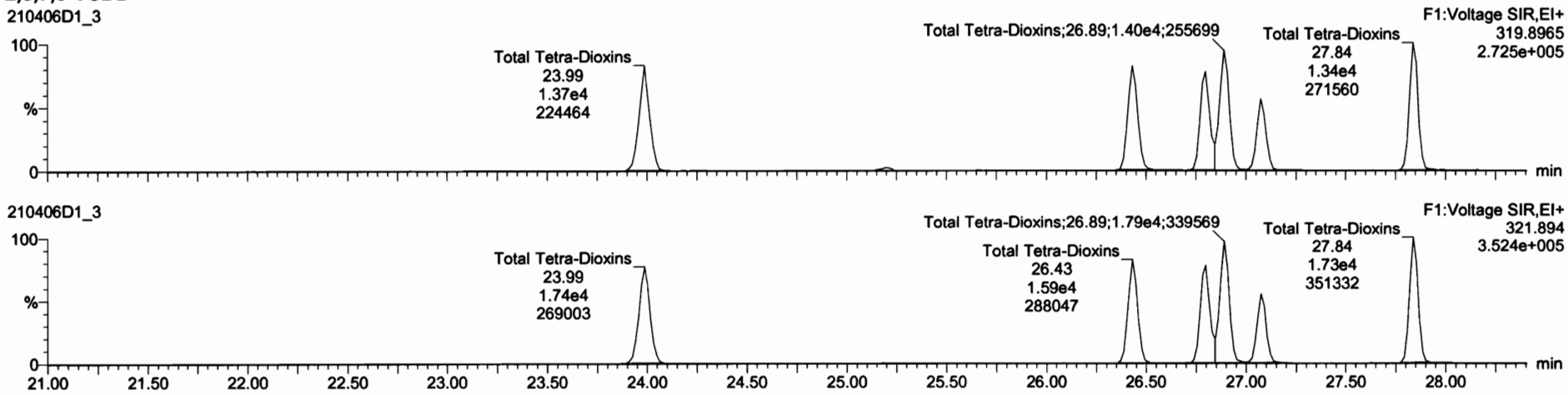
Dataset: U:\VG7.PRO\Results\210406D1\210406D1-3.qld

Last Altered: Tuesday, April 06, 2021 10:36:36 Pacific Daylight Time
Printed: Tuesday, April 06, 2021 11:02:00 Pacific Daylight Time

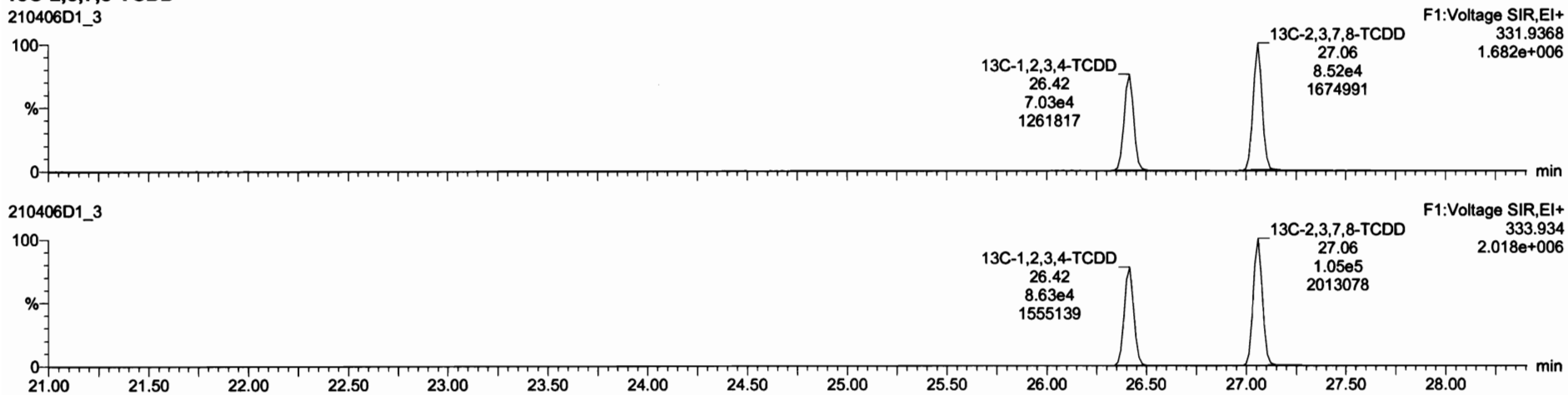
Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_4-6-21.mdb 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210406D1_3, Date: 06-Apr-2021, Time: 09:50:40, ID: ST210406D1-2 1613 CS3 20H2521, Description: 1613 CS3 20H2521

2,3,7,8-TCDD



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

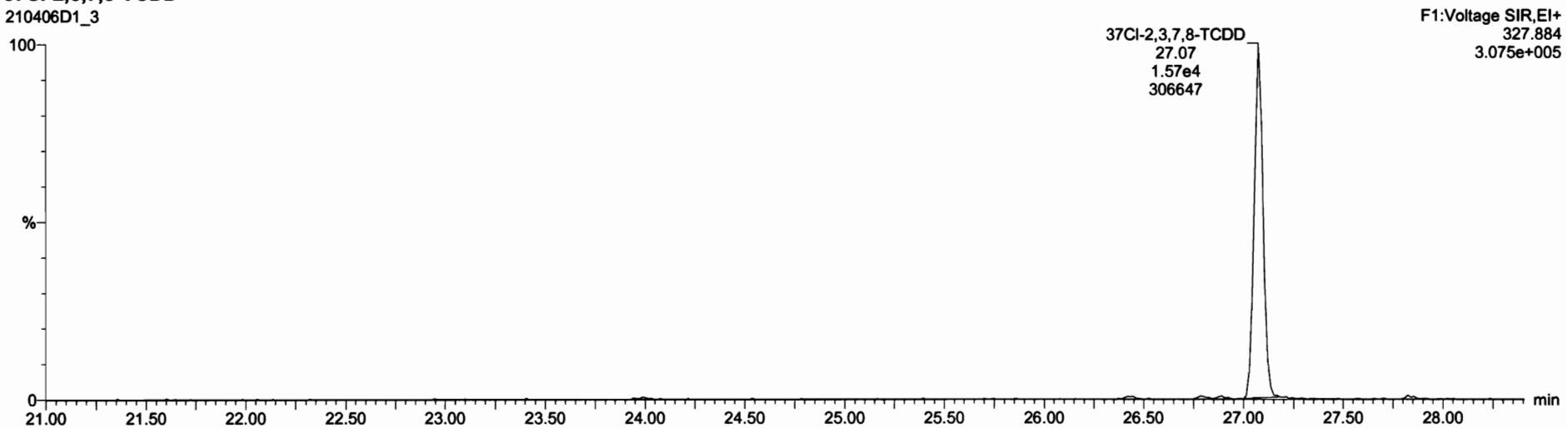


Dataset: U:\VG7.PRO\Results\210406D1\210406D1-3.qld

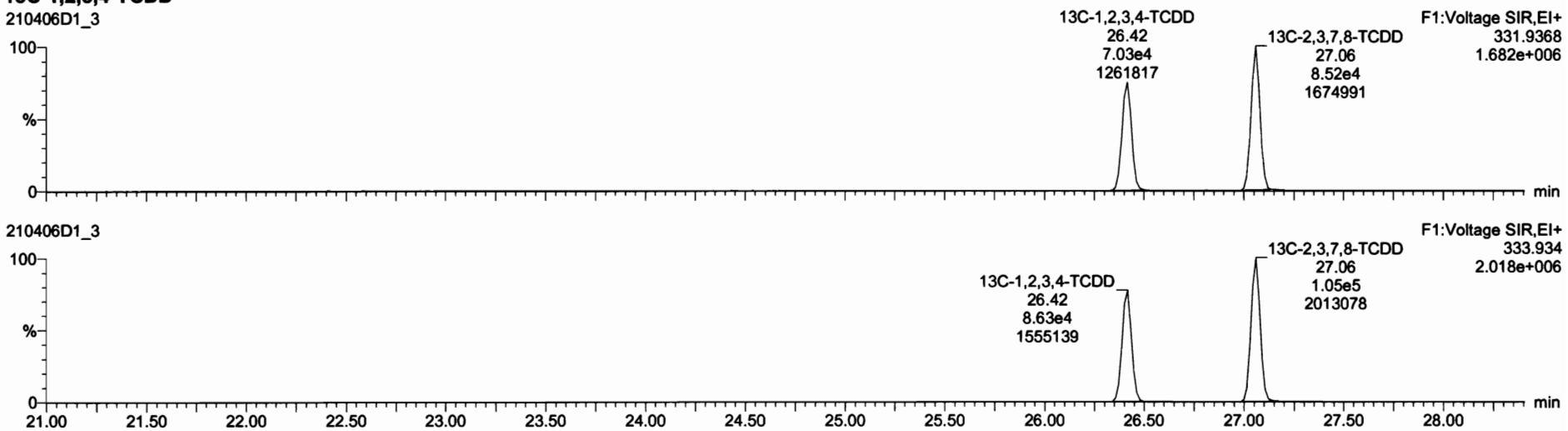
Last Altered: Tuesday, April 06, 2021 10:36:36 Pacific Daylight Time
Printed: Tuesday, April 06, 2021 11:02:00 Pacific Daylight Time

Name: 210406D1_3, Date: 06-Apr-2021, Time: 09:50:40, ID: ST210406D1-2 1613 CS3 20H2521, Description: 1613 CS3 20H2521

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



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

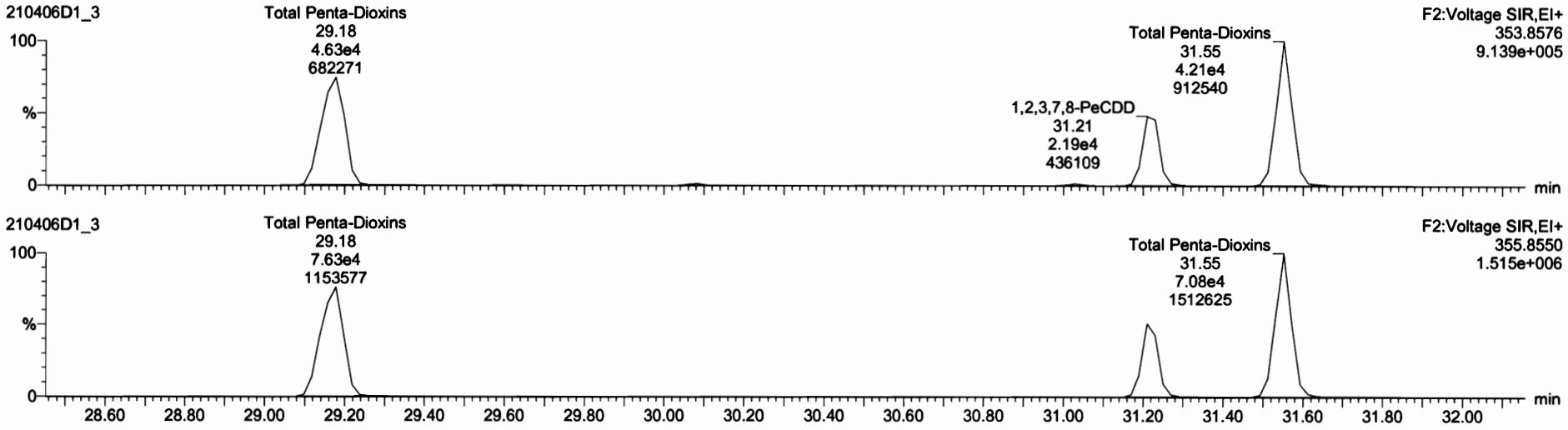


Dataset: U:\VG7.PRO\Results\210406D1\210406D1-3.qld

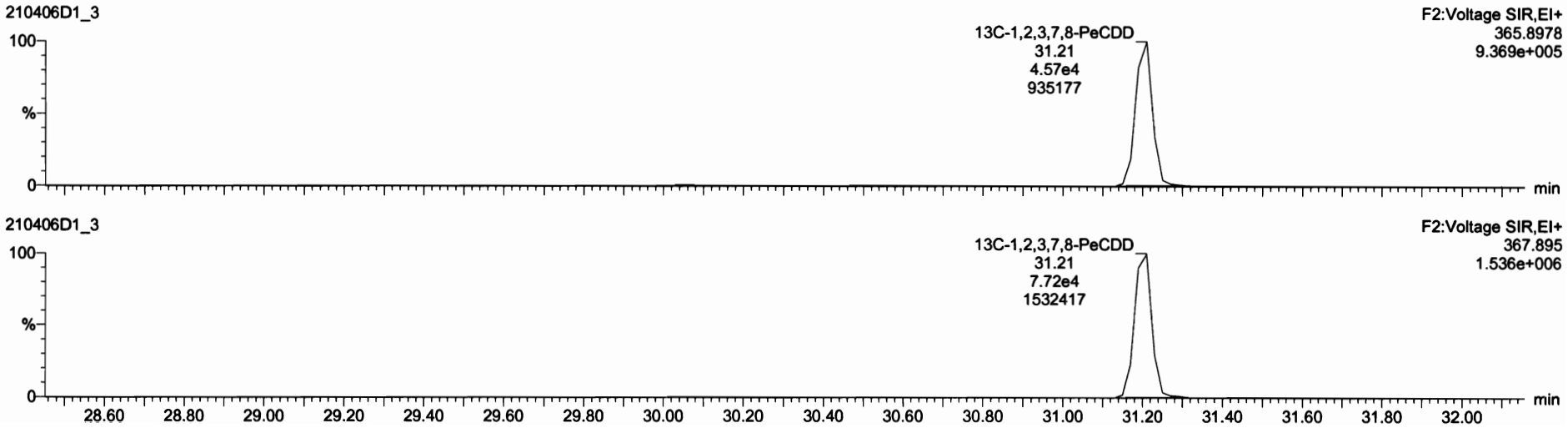
Last Altered: Tuesday, April 06, 2021 10:36:36 Pacific Daylight Time
Printed: Tuesday, April 06, 2021 11:02:00 Pacific Daylight Time

Name: 210406D1_3, Date: 06-Apr-2021, Time: 09:50:40, ID: ST210406D1-2 1613 CS3 20H2521, Description: 1613 CS3 20H2521

1,2,3,7,8-PeCDD



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

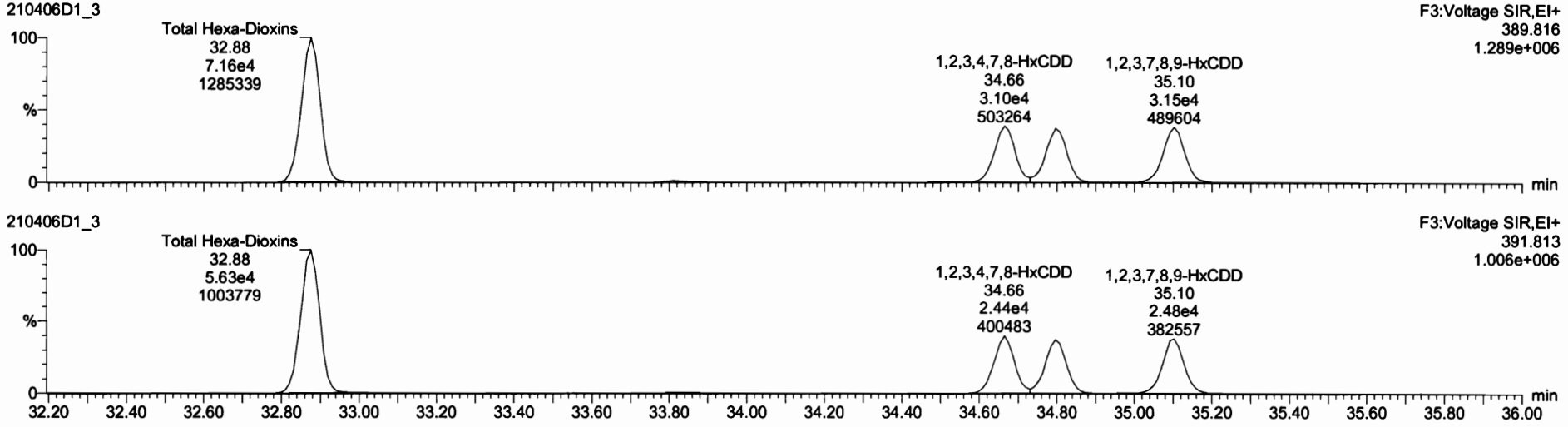


Dataset: U:\VG7.PRO\Results\210406D1\210406D1-3.qld

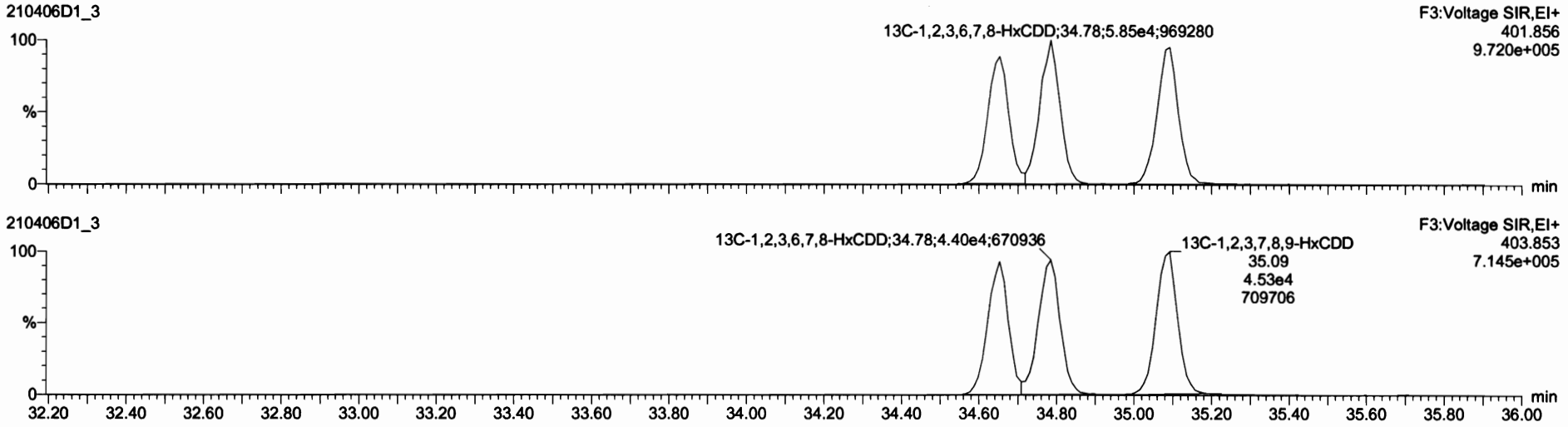
Last Altered: Tuesday, April 06, 2021 10:36:36 Pacific Daylight Time
Printed: Tuesday, April 06, 2021 11:02:00 Pacific Daylight Time

Name: 210406D1_3, Date: 06-Apr-2021, Time: 09:50:40, ID: ST210406D1-2 1613 CS3 20H2521, Description: 1613 CS3 20H2521

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



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

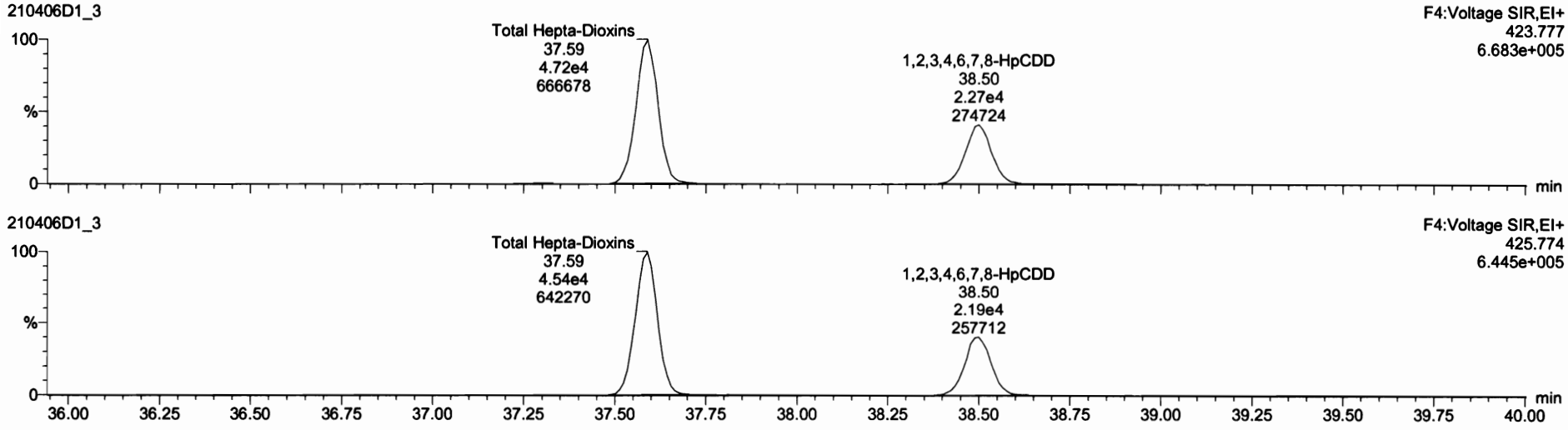


Dataset: U:\VG7.PRO\Results\210406D1\210406D1-3.qld

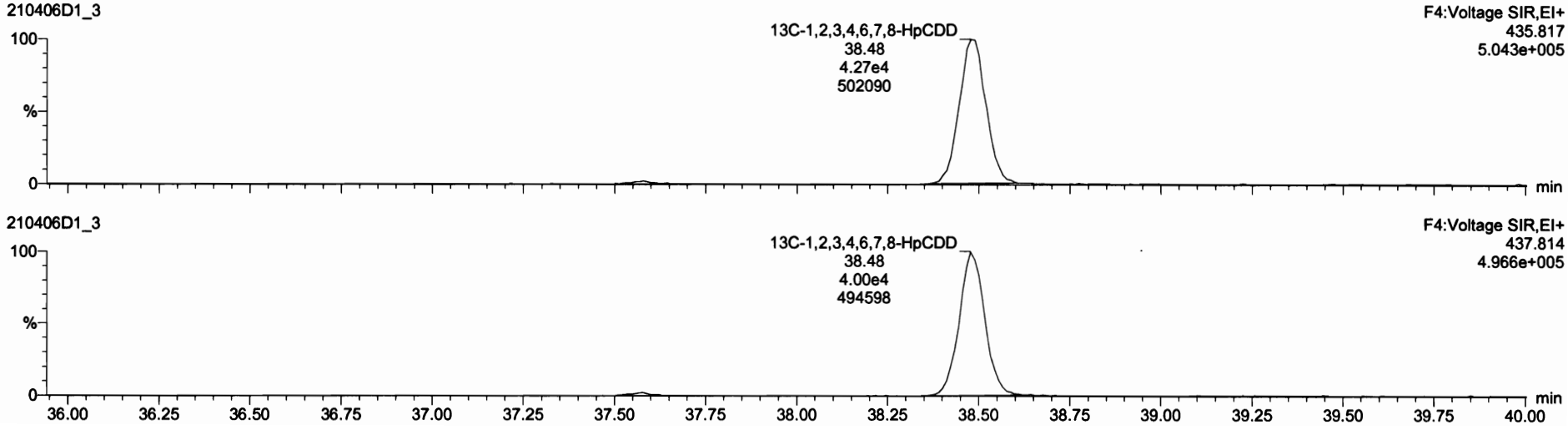
Last Altered: Tuesday, April 06, 2021 10:36:36 Pacific Daylight Time
Printed: Tuesday, April 06, 2021 11:02:00 Pacific Daylight Time

Name: 210406D1_3, Date: 06-Apr-2021, Time: 09:50:40, ID: ST210406D1-2 1613 CS3 20H2521, Description: 1613 CS3 20H2521

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



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

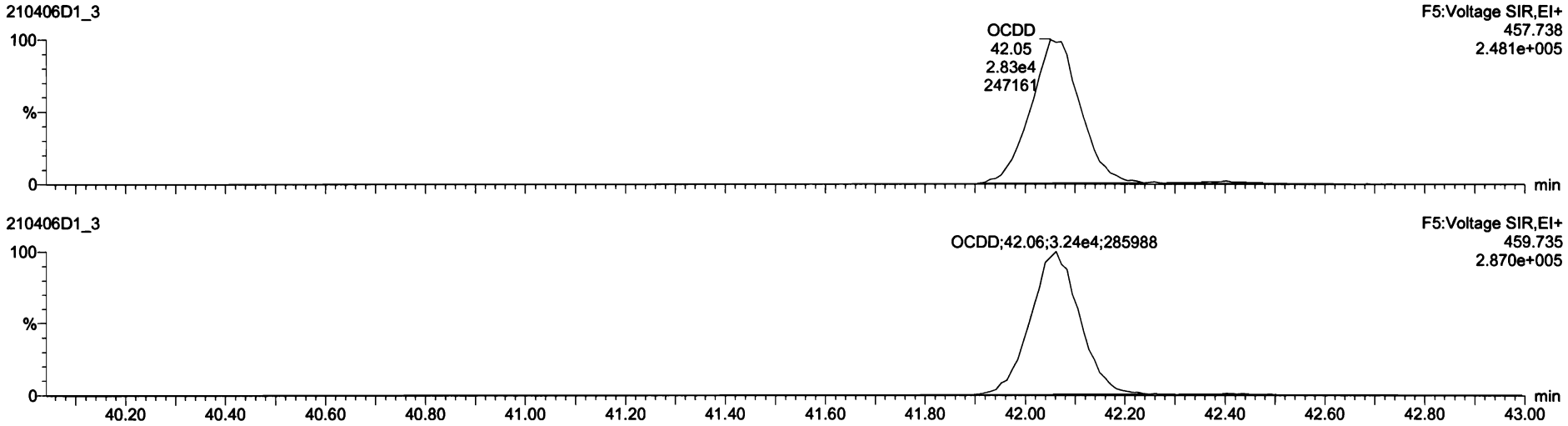


Dataset: U:\VG7.PRO\Results\210406D1\210406D1-3.qld

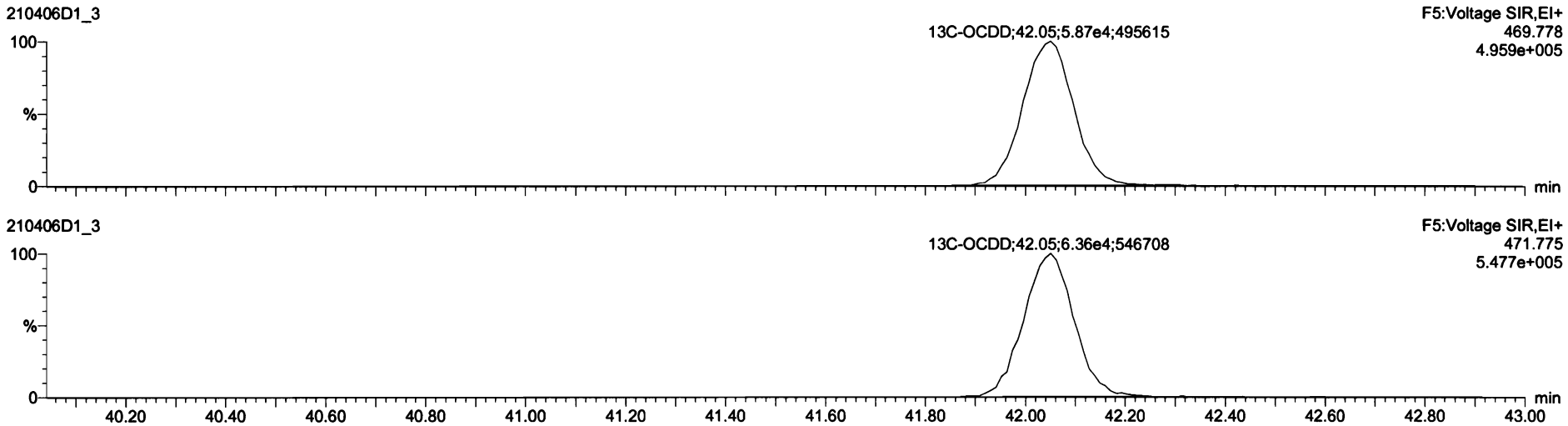
Last Altered: Tuesday, April 06, 2021 10:36:36 Pacific Daylight Time
Printed: Tuesday, April 06, 2021 11:02:00 Pacific Daylight Time

Name: 210406D1_3, Date: 06-Apr-2021, Time: 09:50:40, ID: ST210406D1-2 1613 CS3 20H2521, Description: 1613 CS3 20H2521

OCDD



13C-OCDD

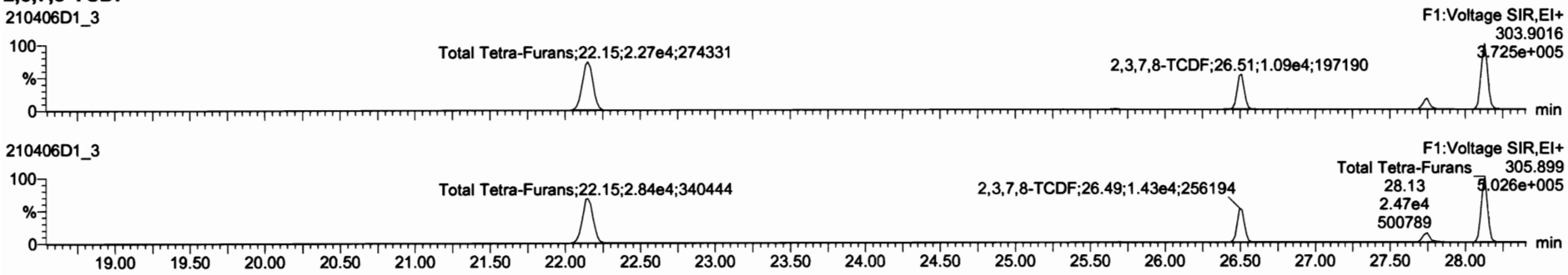


Dataset: U:\VG7.PRO\Results\210406D1\210406D1-3.qld

Last Altered: Tuesday, April 06, 2021 10:36:36 Pacific Daylight Time
Printed: Tuesday, April 06, 2021 11:02:00 Pacific Daylight Time

Name: 210406D1_3, Date: 06-Apr-2021, Time: 09:50:40, ID: ST210406D1-2 1613 CS3 20H2521, Description: 1613 CS3 20H2521

2,3,7,8-TCDF



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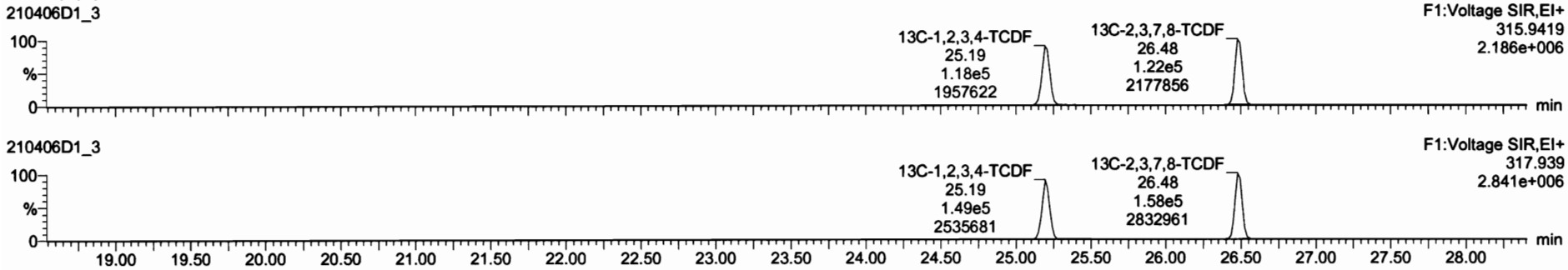

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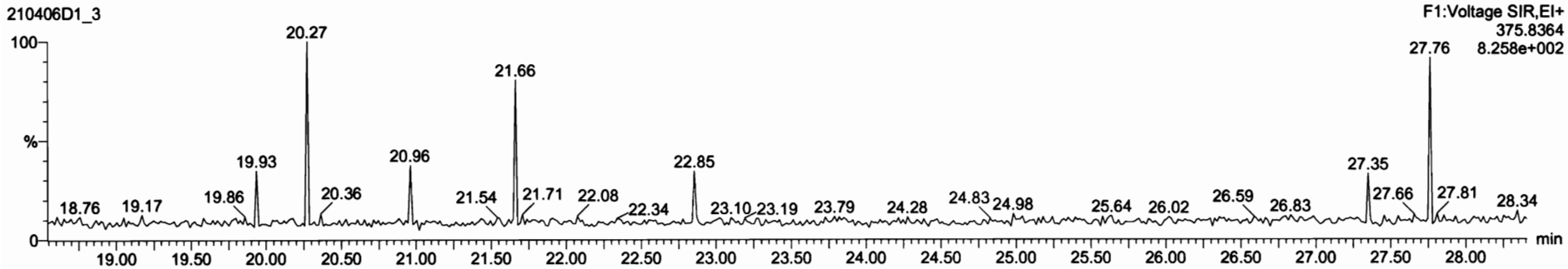

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Name: 210406D1_3, Date: 06-Apr-2021, Time: 09:50:40, ID: ST210406D1-2 1613 CS3 20H2521, Description: 1613 CS3 20H2521

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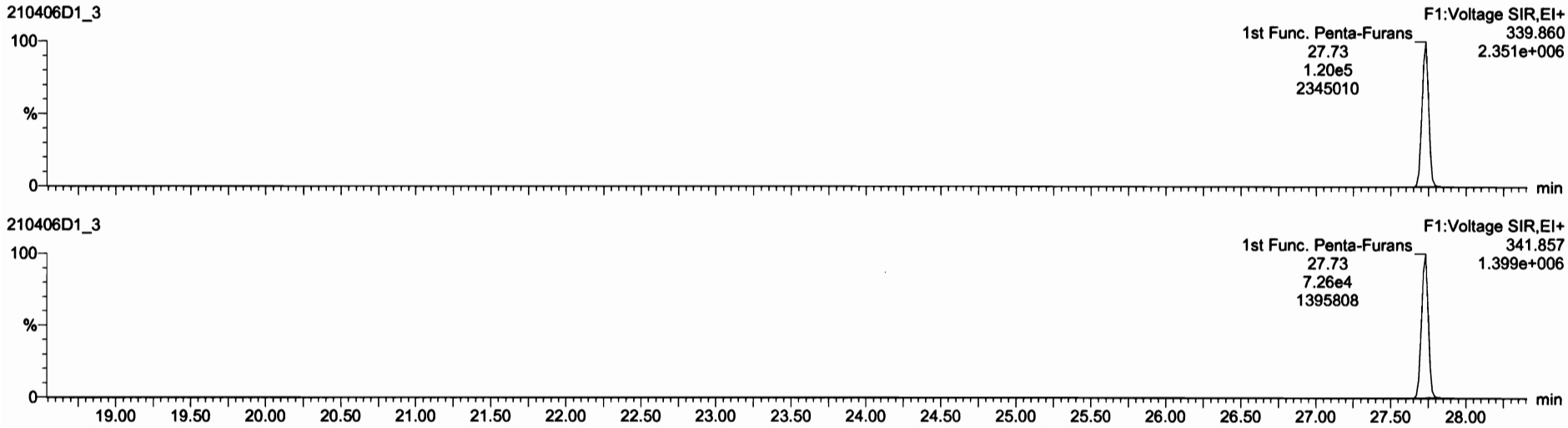

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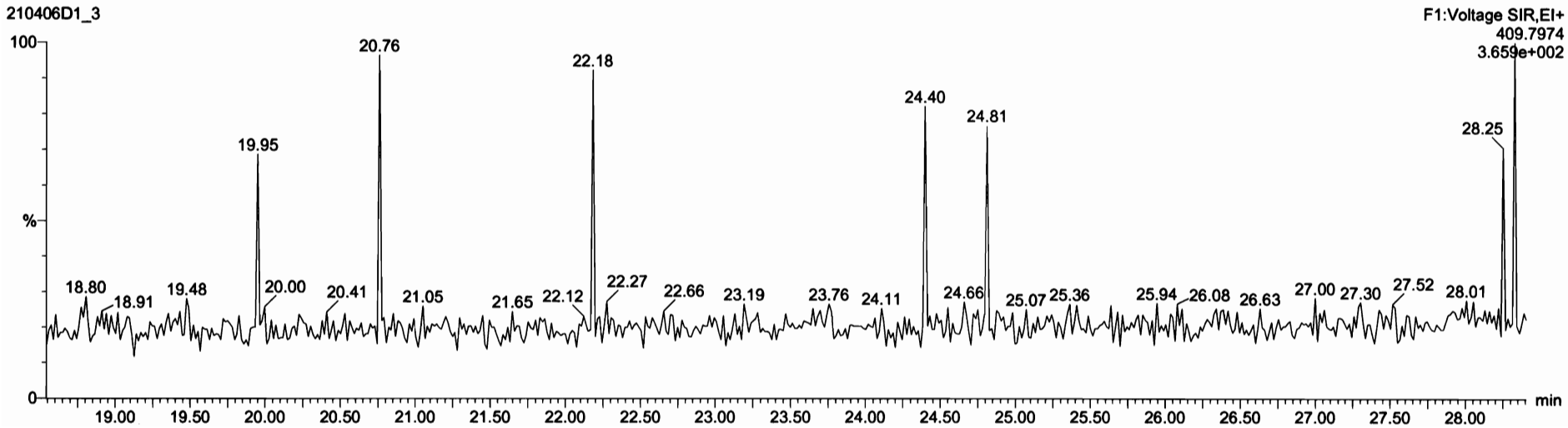

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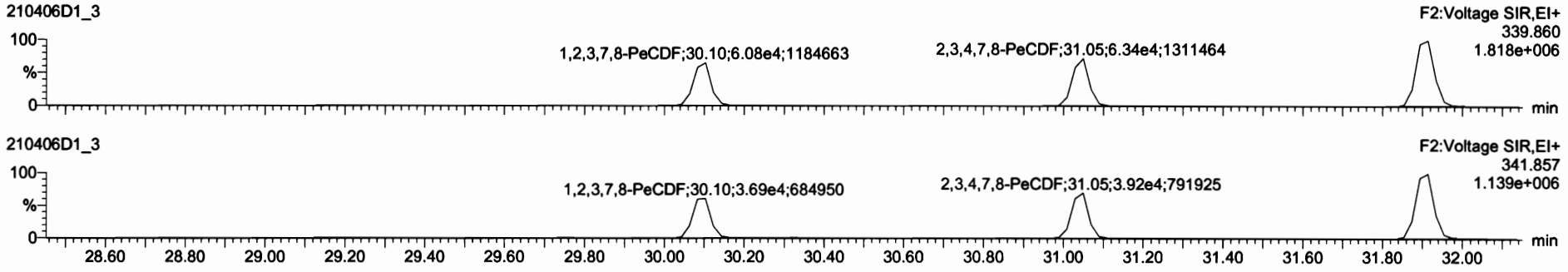
Name: 210406D1_3, Date: 06-Apr-2021, Time: 09:50:40, ID: ST210406D1-2 1613 CS3 20H2521, Description: 1613 CS3 20H2521

1,2,3,7,8-PeCDF



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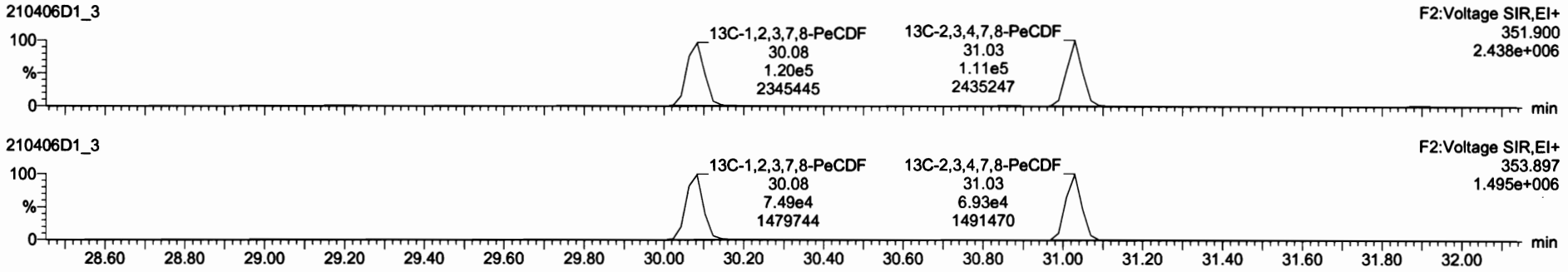

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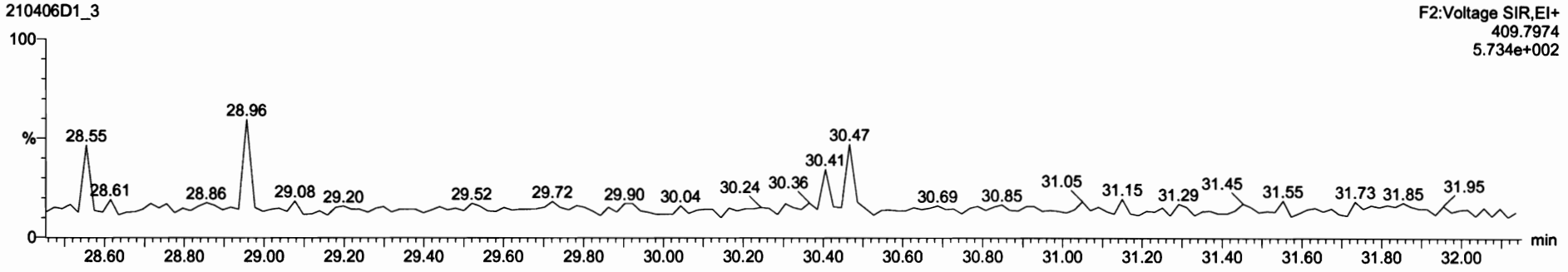

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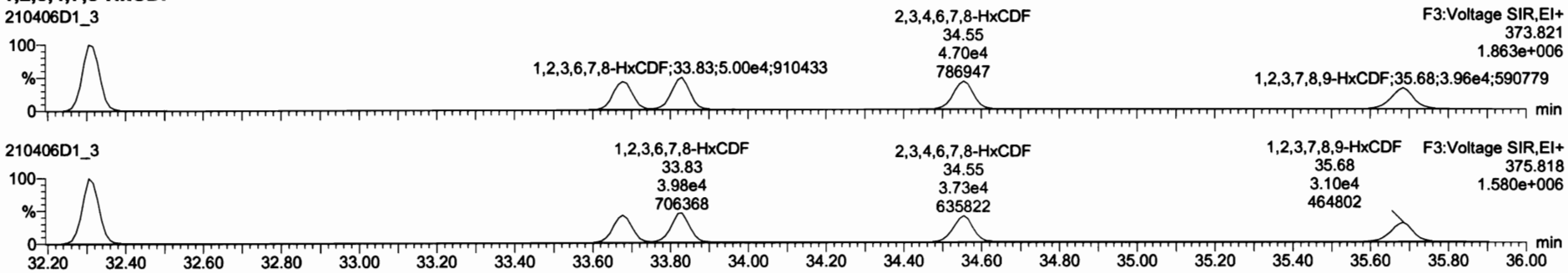
Name: 210406D1_3, Date: 06-Apr-2021, Time: 09:50:40, ID: ST210406D1-2 1613 CS3 20H2521, Description: 1613 CS3 20H2521

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



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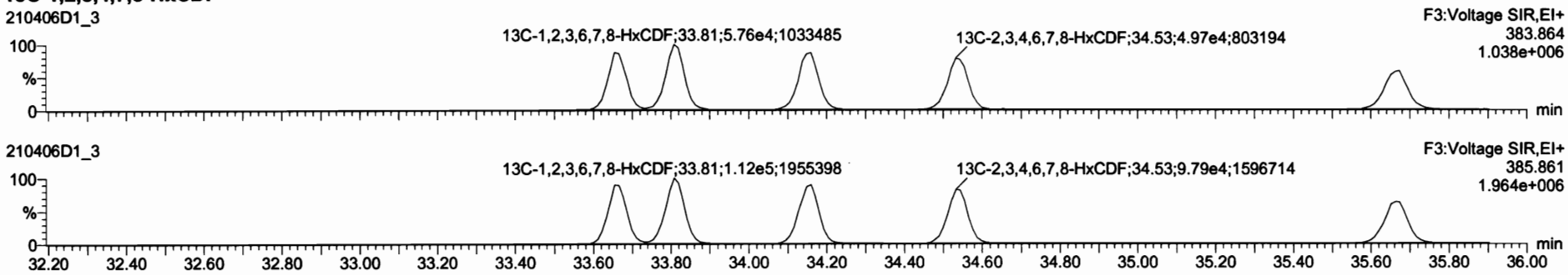

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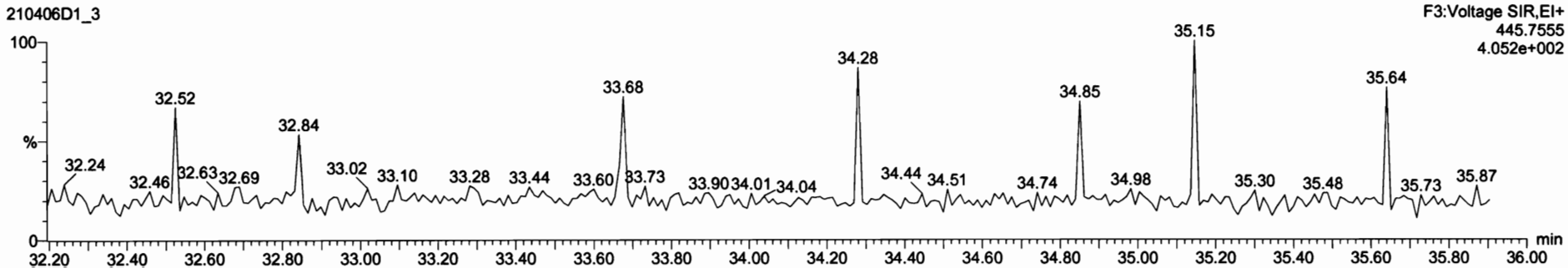

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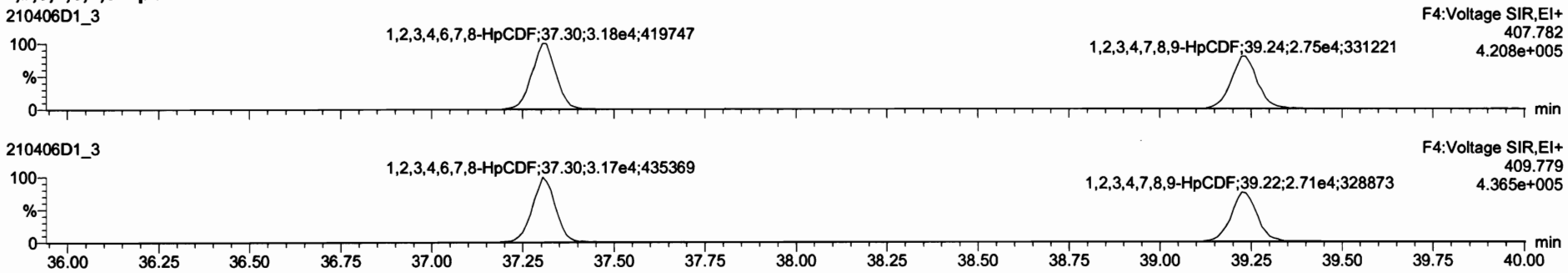
Name: 210406D1_3, Date: 06-Apr-2021, Time: 09:50:40, ID: ST210406D1-2 1613 CS3 20H2521, Description: 1613 CS3 20H2521

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



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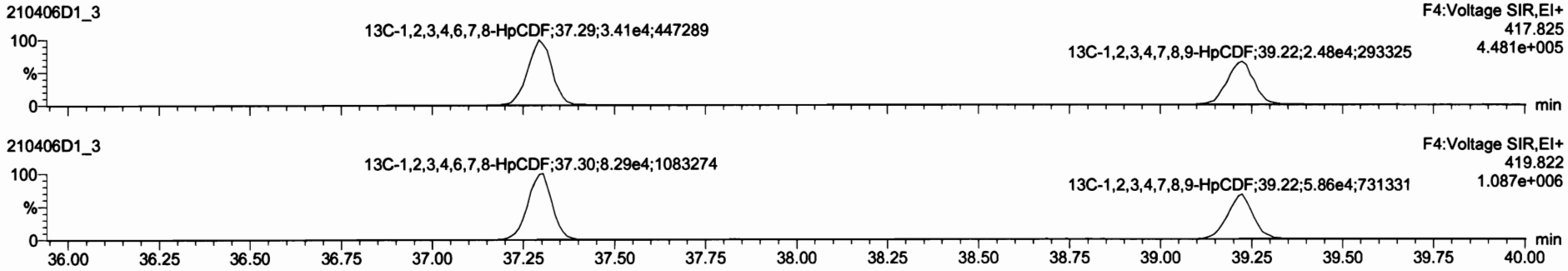

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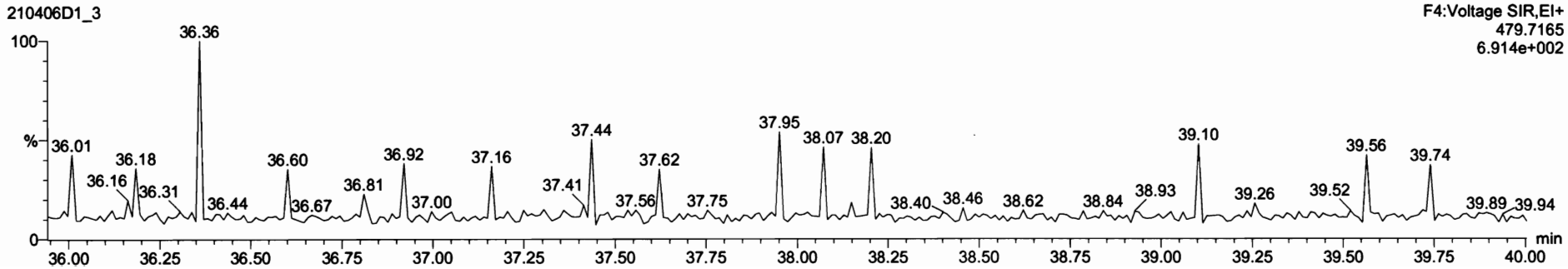

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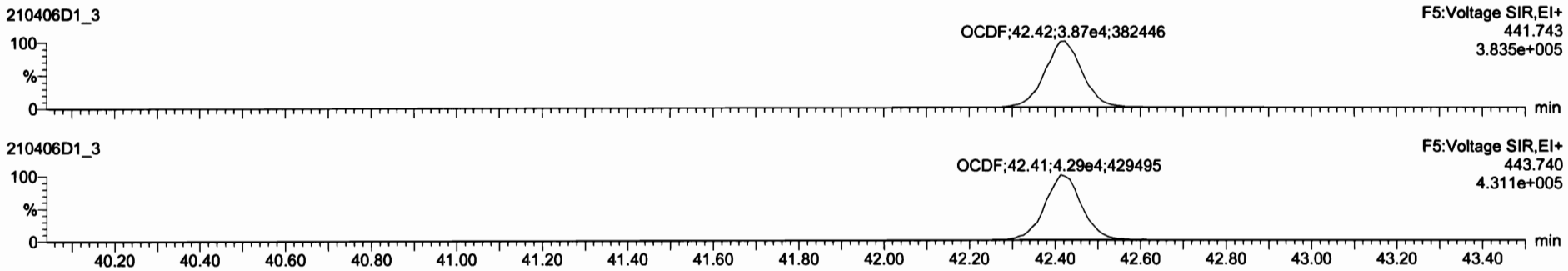
Name: 210406D1_3, Date: 06-Apr-2021, Time: 09:50:40, ID: ST210406D1-2 1613 CS3 20H2521, Description: 1613 CS3 20H2521

OCDF



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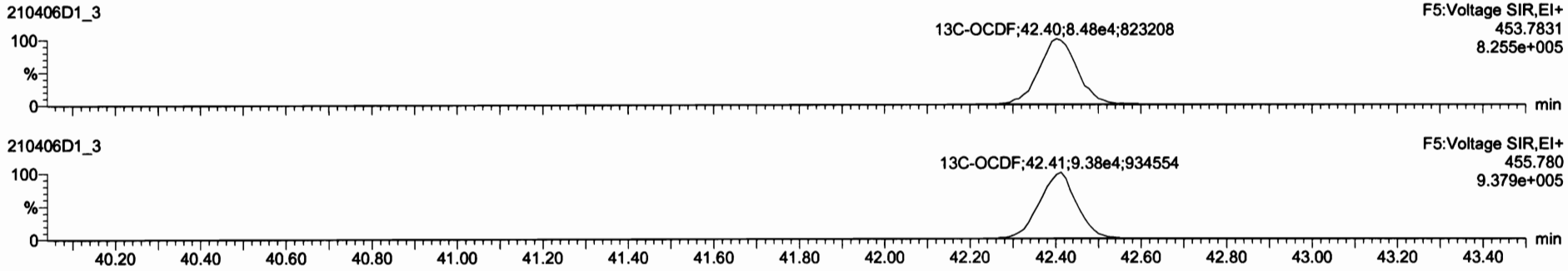
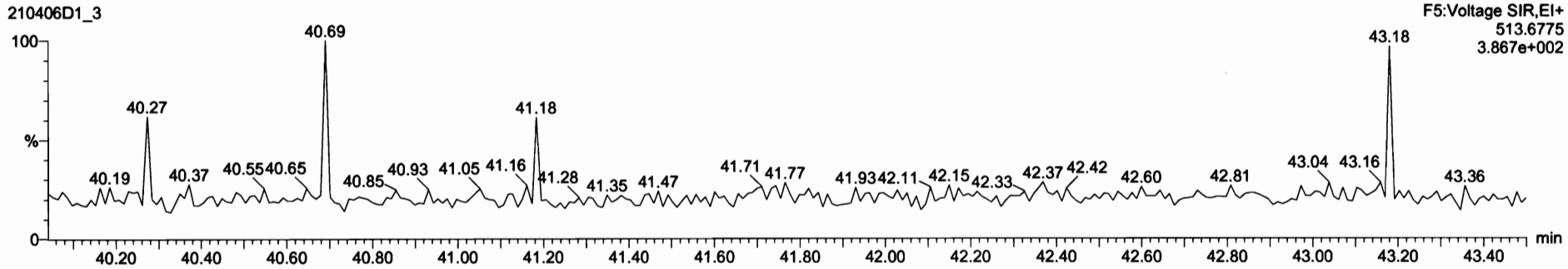


DPE5



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Name: 210406D1_3, Date: 06-Apr-2021, Time: 09:50:40, ID: ST210406D1-2 1613 CS3 20H2521, Description: 1613 CS3 20H2521

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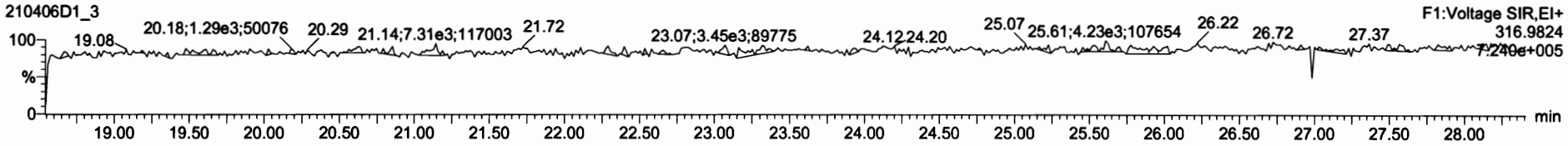

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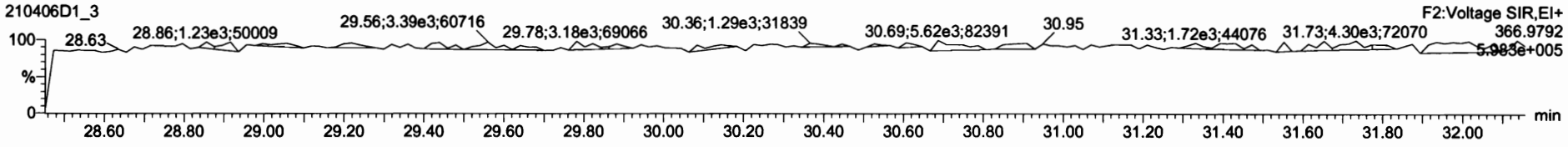

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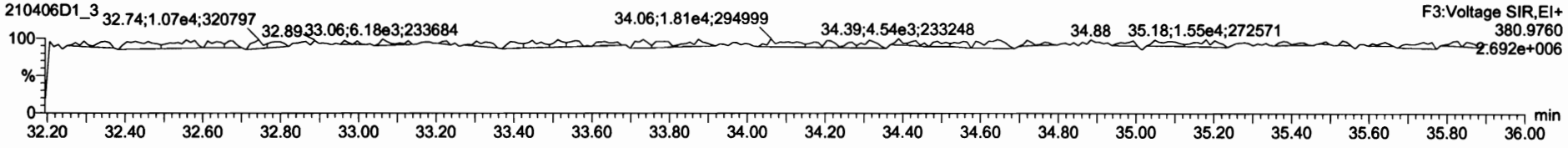

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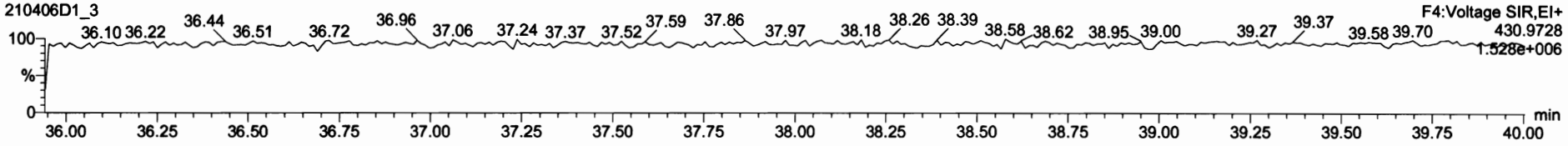

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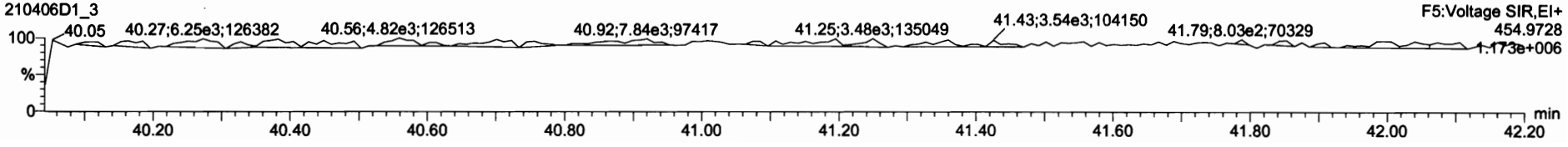

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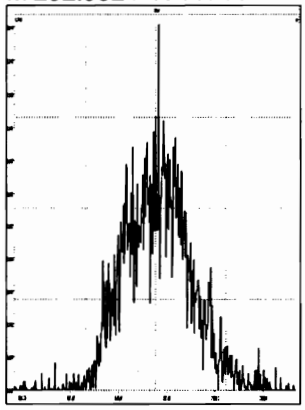

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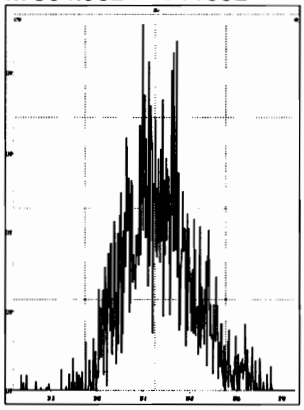

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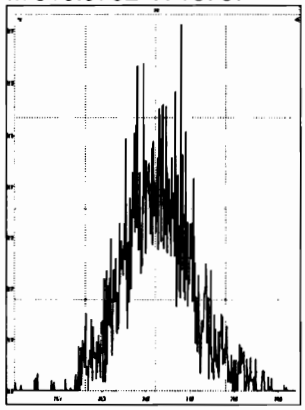

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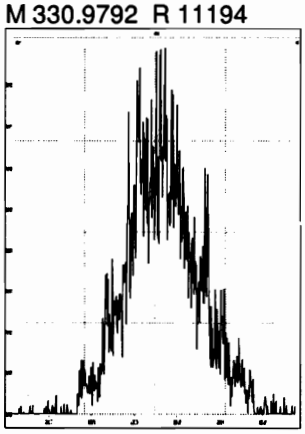

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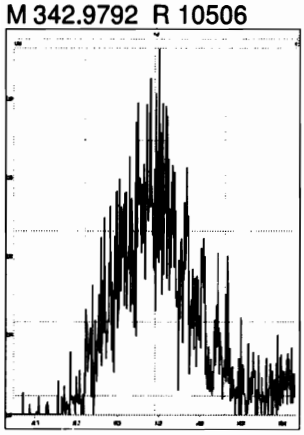

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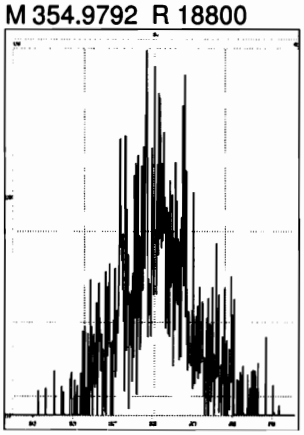

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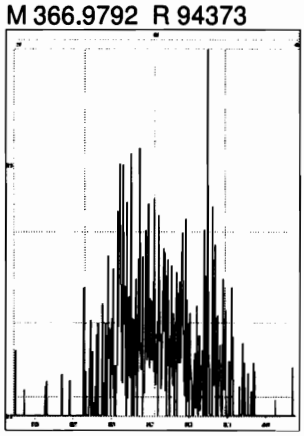

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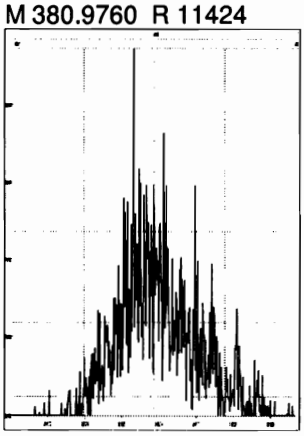

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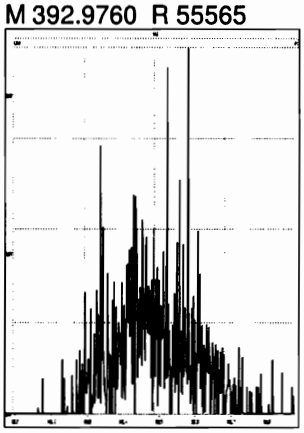
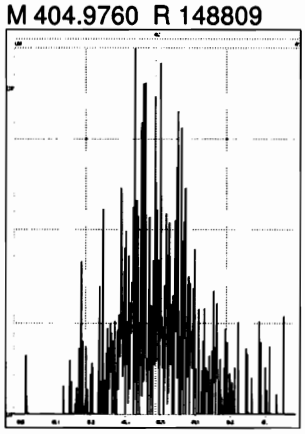


M 404.9760 R 148809



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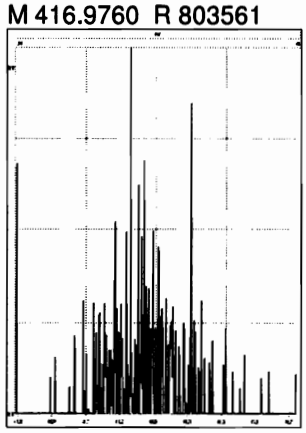

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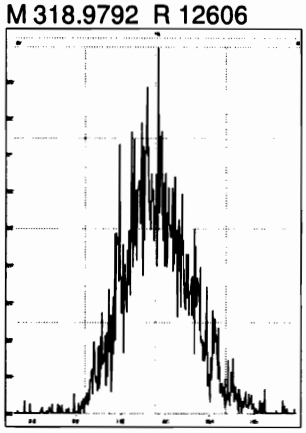

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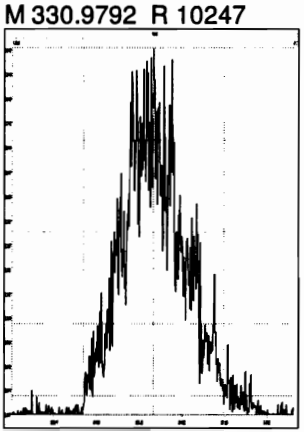

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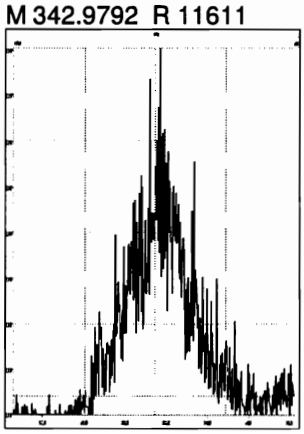

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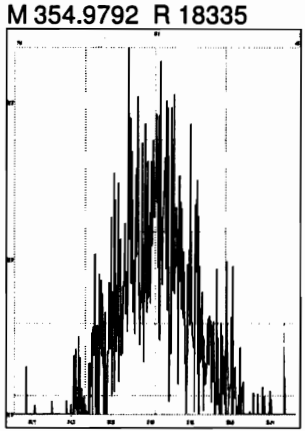

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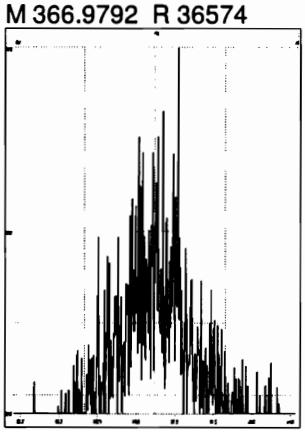

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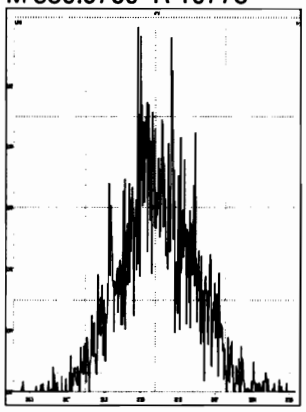

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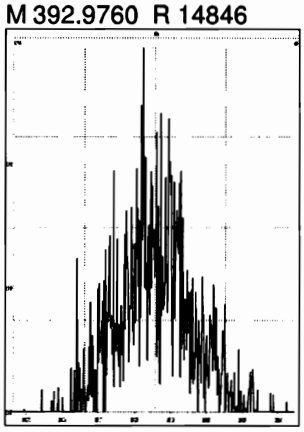

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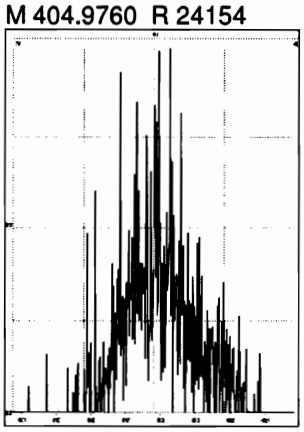

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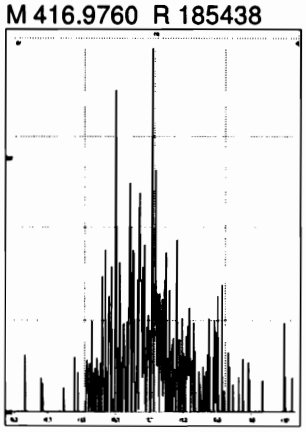

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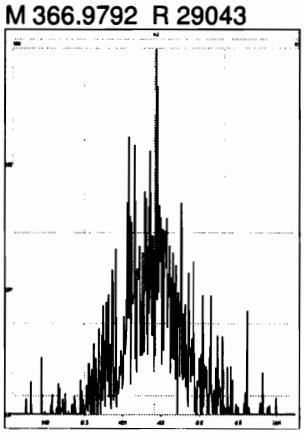

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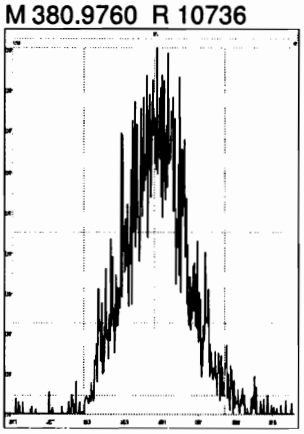

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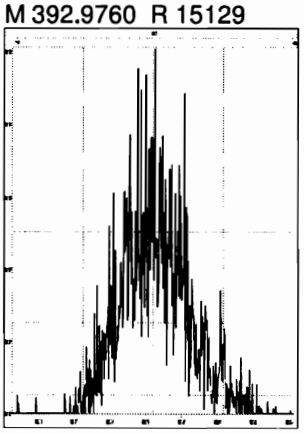

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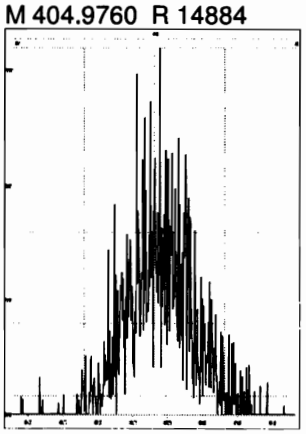
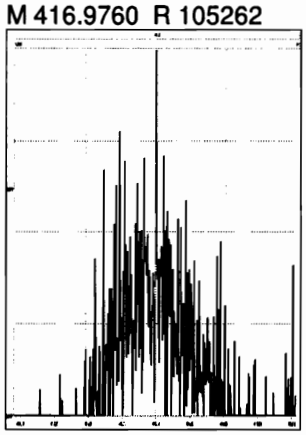
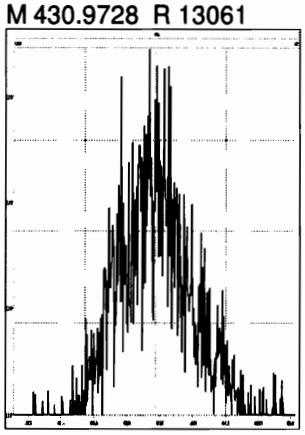


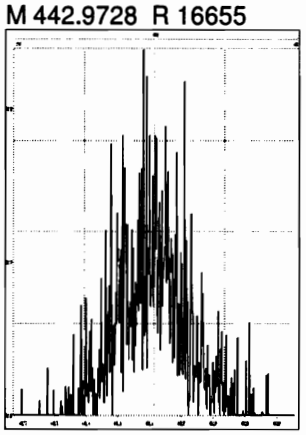
M 416.9760 R 105262



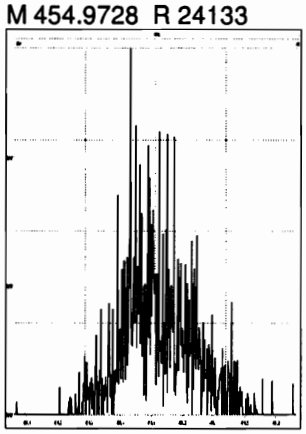
M 430.9728 R 13061



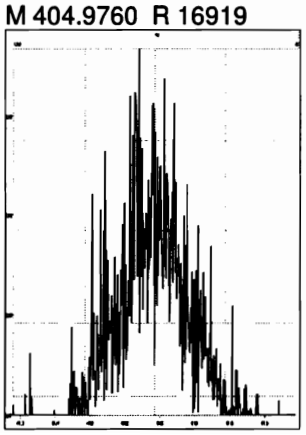
M 442.9728 R 16655



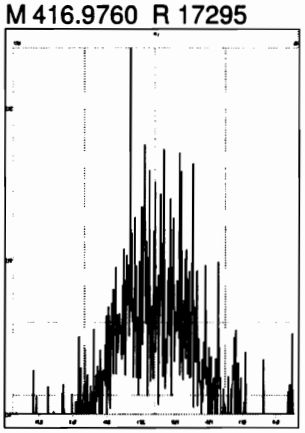
M 454.9728 R 24133



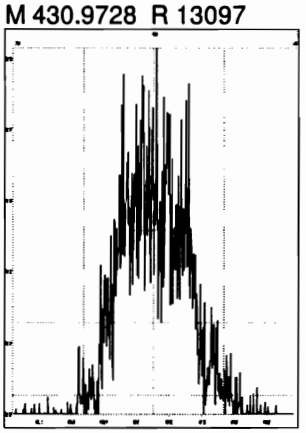
M 404.9760 R 16919



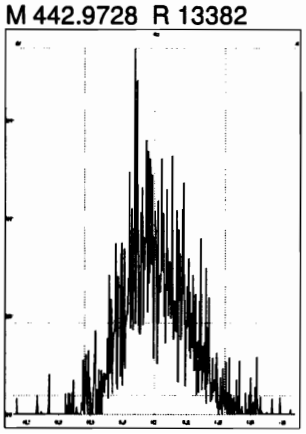
M 416.9760 R 17295



M 430.9728 R 13097

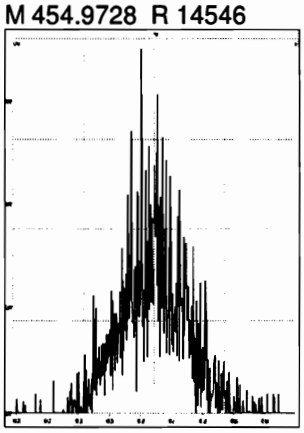


M 442.9728 R 13382

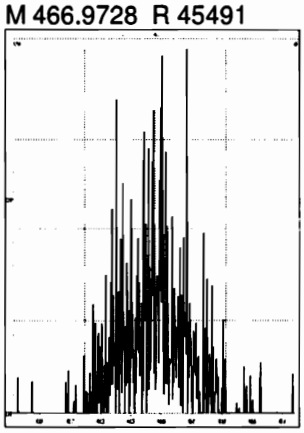


Printed: Wednesday, April 07, 2021 08:15:04 Pacific Daylight Time

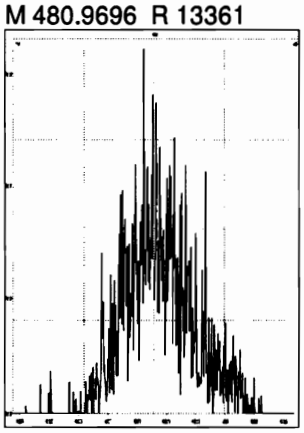
M 454.9728 R 14546



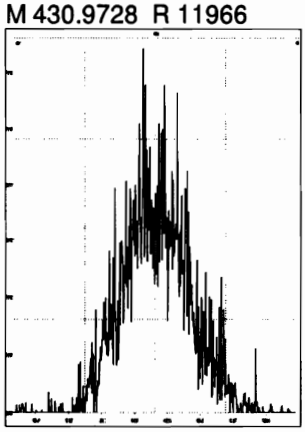
M 466.9728 R 45491



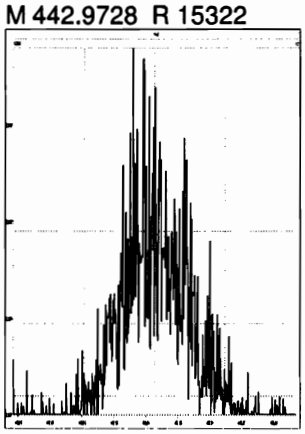
M 480.9696 R 13361



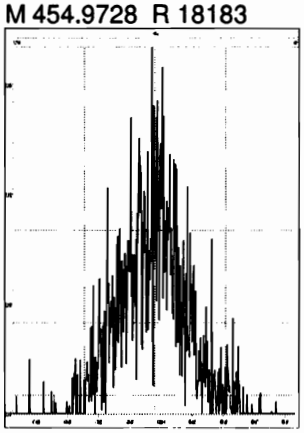
M 430.9728 R 11966



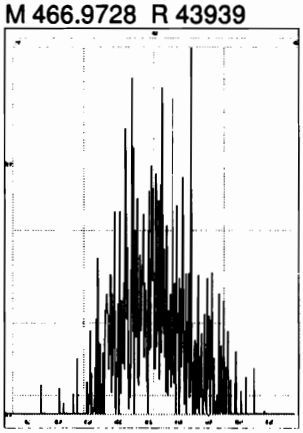
M 442.9728 R 15322



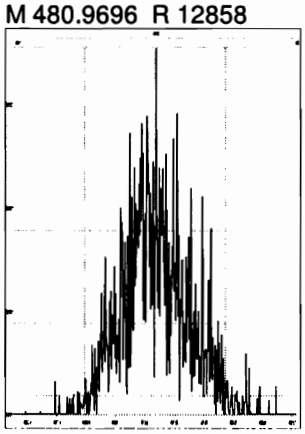
M 454.9728 R 18183



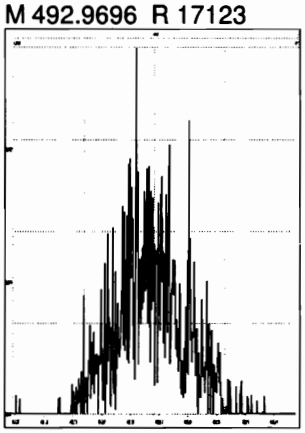
M 466.9728 R 43939



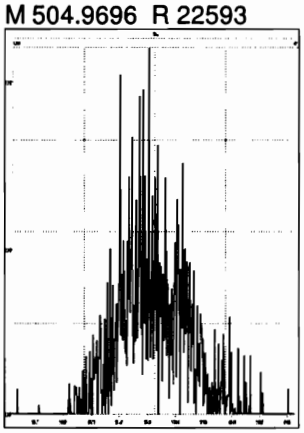
M 480.9696 R 12858



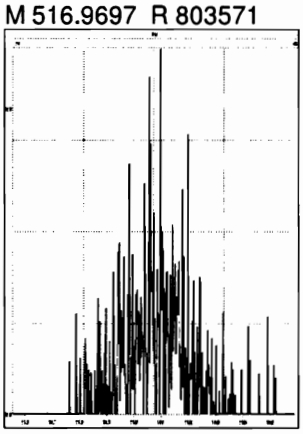
M 492.9696 R 17123



M 504.9696 R 22593



M 516.9697 R 803571



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calbration ID: ST210407D1-1 **Reviewed By:** DF 04/09/21

Initials & Date

End Calibration ID: NA

	Beg.	End
Ion abundance within QC limits?	☒	NA
Concentrations within criteria?	☒	☐
TCDD/TCDF Valleys <25%	☒	☐
First and last eluters present?	☒	☐
Retention Times within criteria?	☒	☐
Verification Std. named correctly?	☒	☐
(ST-Year-Month-Day-VG ID)		
Forms signed and dated?	☒	☐
Correct ICAL referenced?	HC	N

Mass resolution ≥

Beg.	End
☒	☒

☐ 5k ☐ 6-8K ☐ 8K ☒ 10K

1614 1699 429 1613/1668/8280

	Beg.	End
Intergrated peaks display correctly?	☒	NA
GC Break <20%	NA	

Run Log:

- Correct instrument listed?	☒	NA
- Samples within 12 hour clock?	Y	N
- Bottle position verfied?	HC	

8280 CS1 End Standard:

- Ratios within limits, S/N <2.5:1, CS1 within 12 hours — NA

Comments:

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-1.qld

Last Altered: Thursday, April 08, 2021 17:32:48 Pacific Daylight Time
Printed: Thursday, April 08, 2021 17:33:25 Pacific Daylight Time

4-8-2021
DF 04/08/21

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_4-6-21.mdb 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210407D1_1, Date: 07-Apr-2021, Time: 08:36:20, ID: ST210407D1-1 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	1.26e4	1.39e5	0.75	NO	0.998	27.08	27.09	NO	1.001	1.001	9.1267	91.3	NO
2	2 1,2,3,7,8-PeCDD	4.36e4	9.19e4	0.60	NO	0.961	31.23	31.21	NO	1.001	1.000	49.372	98.7	NO
3	3 1,2,3,4,7,8-HxCDD	4.12e4	6.93e4	1.25	NO	1.18	34.65	34.66	NO	1.000	1.001	50.231	100	NO
4	4 1,2,3,6,7,8-HxCDD	4.24e4	8.46e4	1.28	NO	1.04	34.80	34.80	NO	1.000	1.000	48.182	96.4	NO
5	5 1,2,3,7,8,9-HxCDD	4.05e4	7.94e4	1.19	NO	1.06	35.11	35.09	NO	1.001	1.000	48.114	96.2	NO
6	6 1,2,3,4,6,7,8-HpCDD	3.30e4	5.98e4	1.02	NO	1.06	38.48	38.48	NO	1.000	1.000	52.147	104	NO
7	7 OCDD	4.46e4	8.48e4	0.89	NO	0.977	42.38	42.39	NO	1.000	1.000	107.64	108	NO
8	8 2,3,7,8-TCDF	1.85e4	2.03e5	0.82	NO	0.989	26.50	26.51	NO	1.001	1.001	9.2170	92.2	NO
9	9 1,2,3,7,8-PeCDF	7.40e4	1.46e5	1.70	NO	1.02	30.10	30.10	NO	1.001	1.001	49.641	99.3	NO
10	10 2,3,4,7,8-PeCDF	8.09e4	1.37e5	1.62	NO	1.17	31.06	31.05	NO	1.001	1.001	50.297	101	NO
11	11 1,2,3,4,7,8-HxCDF	6.26e4	1.10e5	1.26	NO	1.14	33.68	33.68	NO	1.001	1.001	50.215	100	NO
12	12 1,2,3,6,7,8-HxCDF	7.14e4	1.37e5	1.21	NO	1.04	33.82	33.82	NO	1.000	1.000	49.894	99.8	NO
13	13 2,3,4,6,7,8-HxCDF	6.26e4	1.10e5	1.23	NO	1.13	34.54	34.54	NO	1.000	1.000	50.403	101	NO
14	14 1,2,3,7,8,9-HxCDF	5.13e4	9.43e4	1.23	NO	1.07	35.65	35.67	NO	1.000	1.001	50.685	101	NO
15	15 1,2,3,4,6,7,8-HpCDF	4.80e4	8.72e4	1.04	NO	1.11	37.26	37.24	NO	1.001	1.000	49.352	98.7	NO
16	16 1,2,3,4,7,8,9-HpCDF	3.80e4	5.96e4	1.01	NO	1.32	39.25	39.26	NO	1.000	1.000	48.539	97.1	NO
17	17 OCDF	5.94e4	1.32e5	0.90	NO	0.931	42.76	42.80	NO	1.000	1.001	96.831	96.8	NO
18	18 13C-2,3,7,8-TCDD	1.39e5	1.25e5	0.78	NO	1.20	27.04	27.06	NO	1.024	1.025	92.295	92.3	NO
19	19 13C-1,2,3,7,8-PeCDD	9.19e4	1.25e5	0.60	NO	0.864	31.19	31.21	NO	1.181	1.182	85.005	85.0	NO
20	20 13C-1,2,3,4,7,8-HxCDD	6.93e4	1.27e5	1.27	NO	0.600	34.63	34.64	NO	1.014	1.015	90.750	90.8	NO
21	21 13C-1,2,3,6,7,8-HxCDD	8.46e4	1.27e5	1.26	NO	0.674	34.75	34.78	NO	1.018	1.019	98.481	98.5	NO
22	22 13C-1,2,3,7,8,9-HxCDD	7.94e4	1.27e5	1.25	NO	0.679	35.06	35.08	NO	1.027	1.028	91.802	91.8	NO
23	23 13C-1,2,3,4,6,7,8-HpCDD	5.98e4	1.27e5	1.06	NO	0.558	38.40	38.47	NO	1.125	1.127	84.082	84.1	NO
24	24 13C-OCDD	8.48e4	1.27e5	0.84	NO	0.496	42.01	42.38	NO	1.230	1.241	134.16	67.1	NO
25	25 13C-2,3,7,8-TCDF	2.03e5	2.05e5	0.80	NO	1.03	26.46	26.48	NO	1.002	1.003	96.547	96.5	NO
26	26 13C-1,2,3,7,8-PeCDF	1.46e5	2.05e5	1.63	NO	0.805	30.06	30.08	NO	1.138	1.139	88.372	88.4	NO
27	27 13C-2,3,4,7,8-PeCDF	1.37e5	2.05e5	1.57	NO	0.748	31.01	31.03	NO	1.174	1.175	89.346	89.3	NO
28	28 13C-1,2,3,4,7,8-HxCDF	1.10e5	1.27e5	0.51	NO	0.968	33.64	33.65	NO	0.985	0.986	88.813	88.8	NO
29	29 13C-1,2,3,6,7,8-HxCDF	1.37e5	1.27e5	0.49	NO	1.08	33.81	33.81	NO	0.990	0.990	99.339	99.3	NO
30	30 13C-2,3,4,6,7,8-HxCDF	1.10e5	1.27e5	0.50	NO	0.960	34.52	34.53	NO	1.011	1.012	89.964	90.0	NO
31	31 13C-1,2,3,7,8,9-HxCDF	9.43e4	1.27e5	0.52	NO	0.869	35.63	35.65	NO	1.044	1.044	85.127	85.1	NO

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\210407D1\210407D1-1.qld

Last Altered: Thursday, April 08, 2021 17:32:48 Pacific Daylight Time
Printed: Thursday, April 08, 2021 17:33:25 Pacific Daylight Time

Name: 210407D1_1, Date: 07-Apr-2021, Time: 08:36:20, ID: ST210407D1-1 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	8.72e4	1.27e5	0.41	NO	0.794	37.18	37.23	NO	1.089	1.090	86.270	86.3	NO
33	33 13C-1,2,3,4,7,8,9-HpCDF	5.96e4	1.27e5	0.42	NO	0.586	39.19	39.25	NO	1.148	1.150	79.816	79.8	NO
34	34 13C-OCDF	1.32e5	1.27e5	0.88	NO	0.711	42.37	42.76	NO	1.241	1.253	145.62	72.8	NO
35	35 37Cl-2,3,7,8-TCDD	1.11e4	1.25e5			1.11	27.05	27.08	NO	1.025	1.025	8.0123	80.1	NO
36	36 13C-1,2,3,4-TCDD	1.25e5	1.25e5	0.79	NO	1.00	26.42	26.40	NO	1.000	1.000	100.00	100	NO
37	37 13C-1,2,3,4-TCDF	2.05e5	2.05e5	0.78	NO	1.00	25.21	25.19	NO	1.000	1.000	100.00	100	NO
38	38 13C-1,2,3,4,6,9-HxCDF	1.27e5	1.27e5	0.49	NO	1.00	34.18	34.14	NO	1.000	1.000	100.00	100	NO

Vista Analytical Laboratory VG-11

Dataset: Untitled

Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:55:52 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_4-6-21.mdb 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

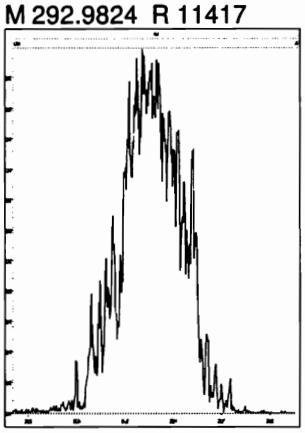
Compound name: 2,3,7,8-TCDD

	Name	ID	Acq.Date	Acq.Time
1	210407D1_1	ST210407D1-1 1613 CS3 20H2521	07-Apr-21	08:36:20
2	210407D1_2	TCDF CPSM 21B1807	07-Apr-21	09:33:10
3	210407D1_3	SOLVENT BLANK	07-Apr-21	10:18:49
4	210407D1_4	2103216-09 USMPDI-060RAB-20-28.1-21031...	07-Apr-21	11:05:32
5	210407D1_5	2103216-10 USMPDI-1060RAB-00-10-210317...	07-Apr-21	11:52:12
6	210407D1_6	2103216-11 USMPDI-064RAB-00-10-210310 ...	07-Apr-21	12:38:51
7	210407D1_7	2103216-12 USMPDI-064RAB-10-20-210311 ...	07-Apr-21	13:25:31
8	210407D1_8	2103216-13 USMPDI-064RAB-20-23.4-21031...	07-Apr-21	14:12:11
9	210407D1_9	2103216-14 USMPDI-1064RAB-10-20-210311...	07-Apr-21	14:58:50
10	210407D1_10	2103216-15 USMPDI-066RAB-00-10-210315 ...	07-Apr-21	15:45:30
11	210407D1_11	2103216-16 USMPDI-066RAB-10-20-210315 ...	07-Apr-21	16:32:09
12	210407D1_12	2103216-17 USMPDI-066RAB-20-22.5-21031...	07-Apr-21	17:18:48
13	210407D1_13	2103216-18 USMPDI-067RAB-00-10-210316 ...	07-Apr-21	18:05:27
14	210407D1_14	2103216-19 USMPDI-067RAB-10-20-210316 ...	07-Apr-21	18:52:06
15	210407D1_15	2103216-20 USMPDI-067RAB-20-21.9-21031...	07-Apr-21	19:38:44

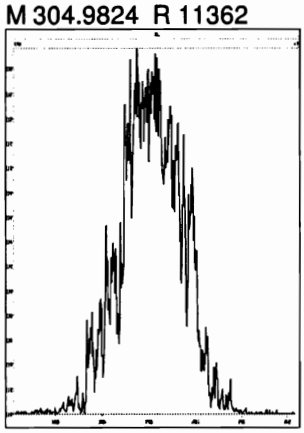
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Wednesday, April 07, 2021 08:31:18 Pacific Daylight Time

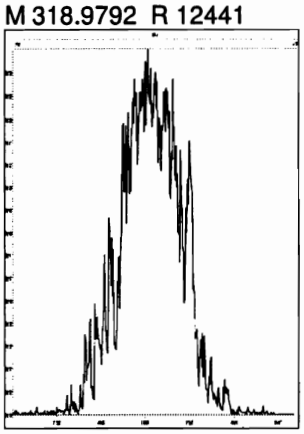
M 292.9824 R 11417



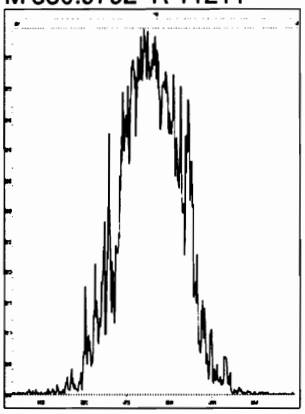
M 304.9824 R 11362



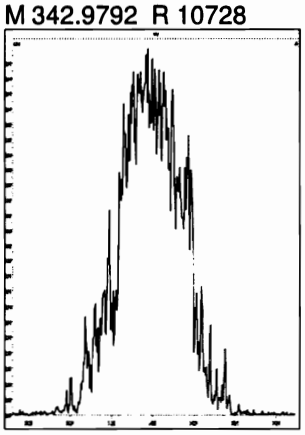
M 318.9792 R 12441



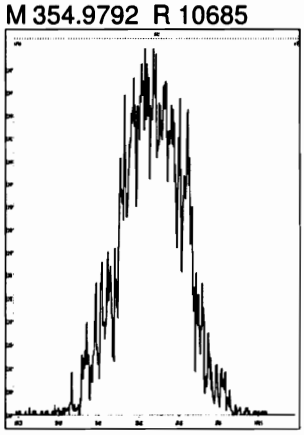
M 330.9792 R 11211



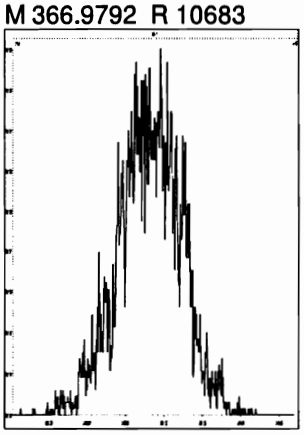
M 342.9792 R 10728



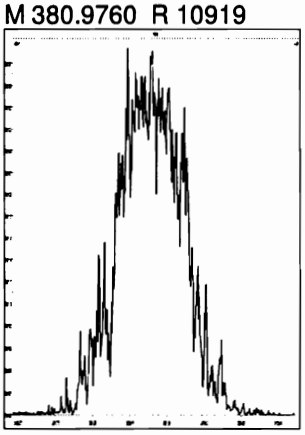
M 354.9792 R 10685



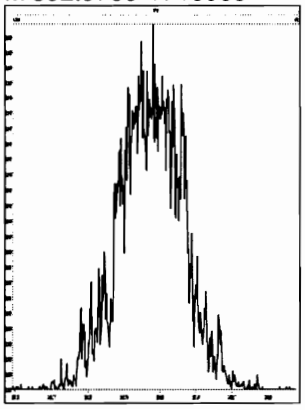
M 366.9792 R 10683



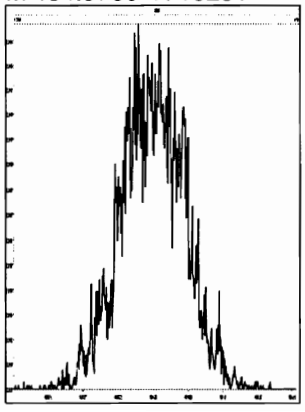
M 380.9760 R 10919



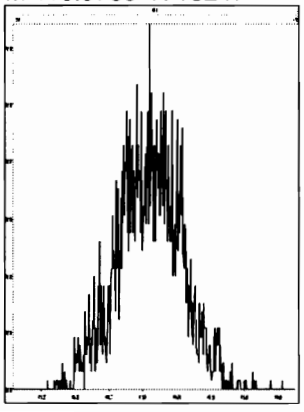
M 392.9760 R 10965



M 404.9760 R 10291



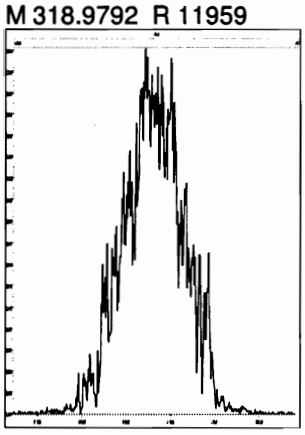
M 416.9760 R 10247



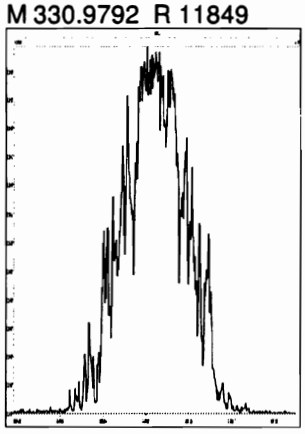
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Wednesday, April 07, 2021 08:31:44 Pacific Daylight Time

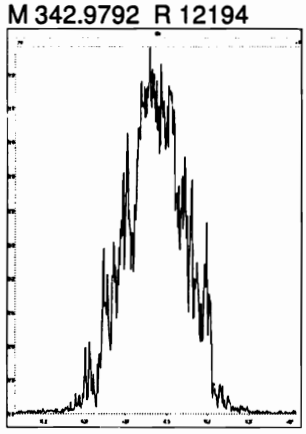
M 318.9792 R 11959



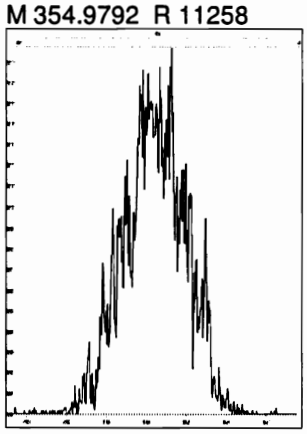
M 330.9792 R 11849



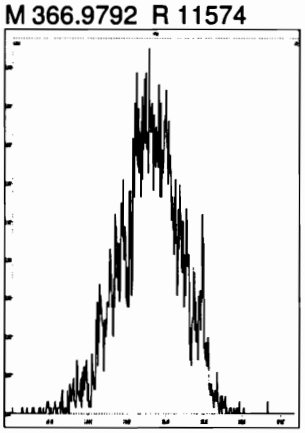
M 342.9792 R 12194



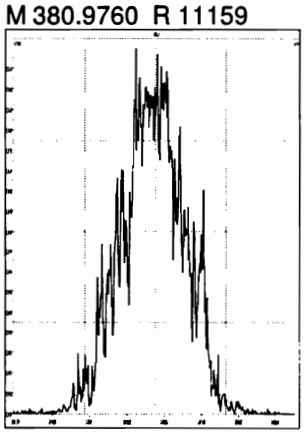
M 354.9792 R 11258



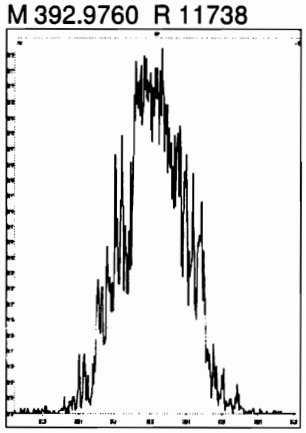
M 366.9792 R 11574



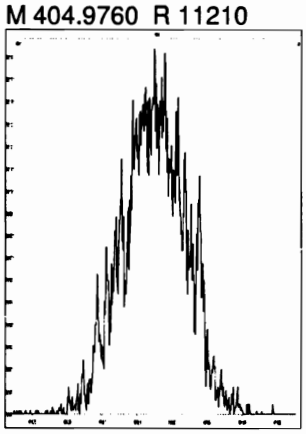
M 380.9760 R 11159



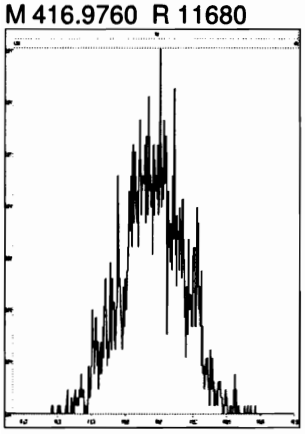
M 392.9760 R 11738



M 404.9760 R 11210



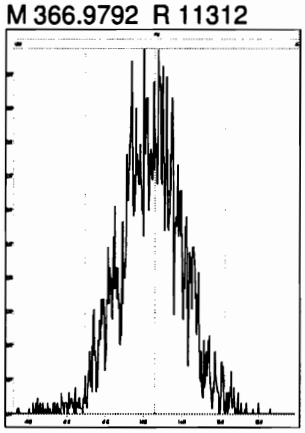
M 416.9760 R 11680



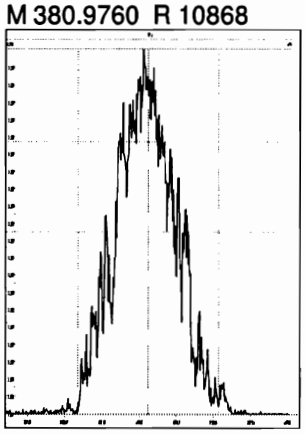
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Wednesday, April 07, 2021 08:32:07 Pacific Daylight Time

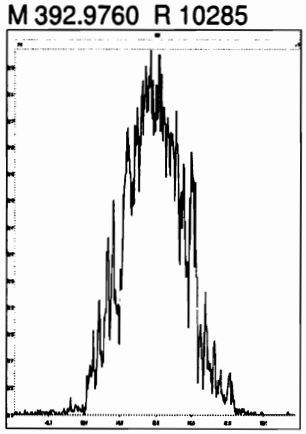
M 366.9792 R 11312



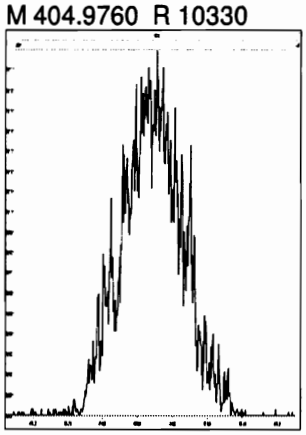
M 380.9760 R 10868



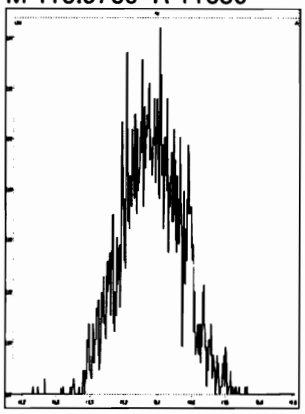
M 392.9760 R 10285



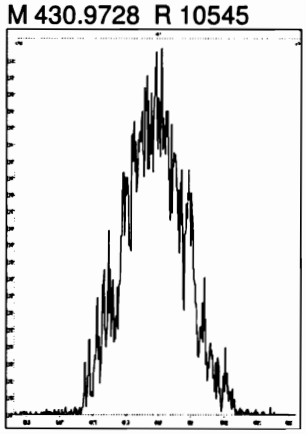
M 404.9760 R 10330



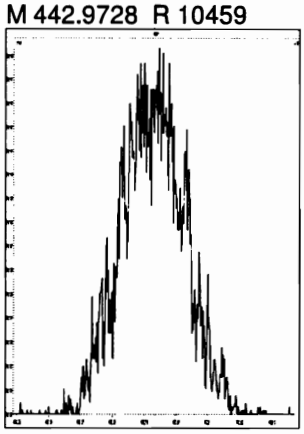
M 416.9760 R 11630



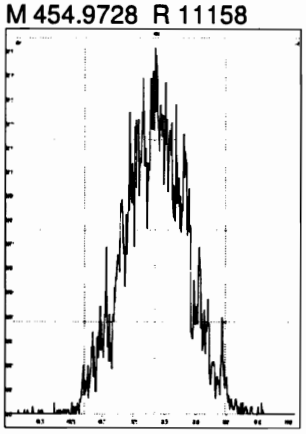
M 430.9728 R 10545



M 442.9728 R 10459



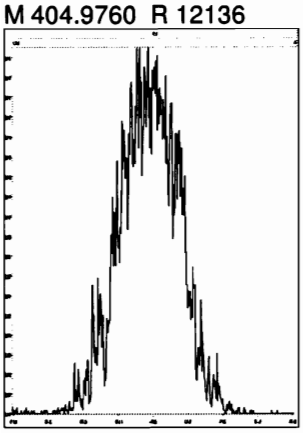
M 454.9728 R 11158



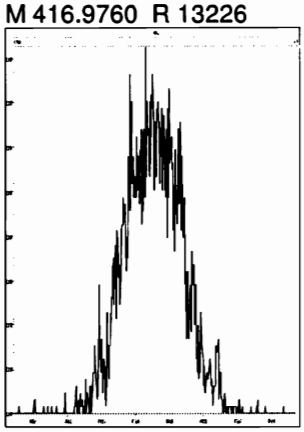
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Wednesday, April 07, 2021 08:32:32 Pacific Daylight Time

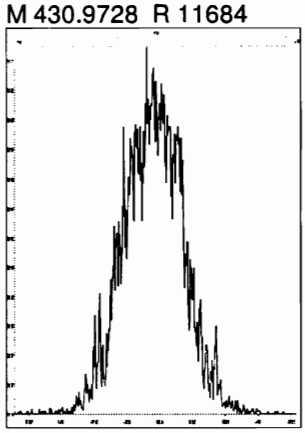
M 404.9760 R 12136



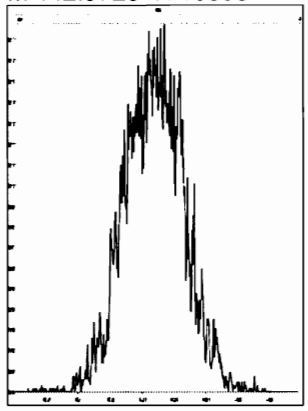
M 416.9760 R 13226



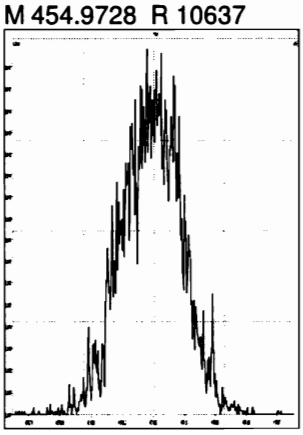
M 430.9728 R 11684



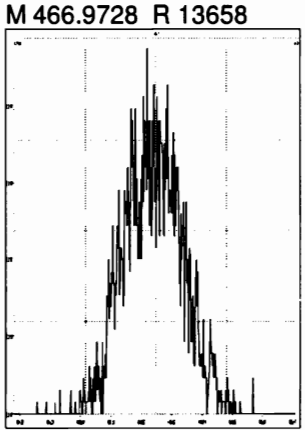
M 442.9728 R 10593



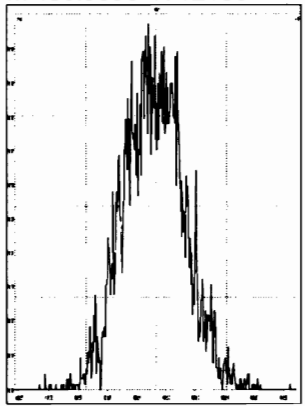
M 454.9728 R 10637



M 466.9728 R 13658



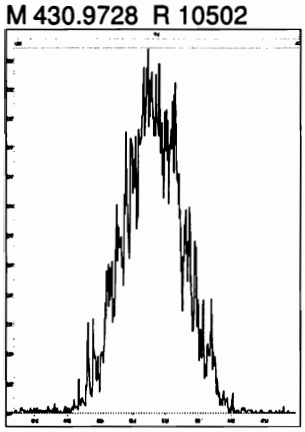
M 480.9696 R 12136



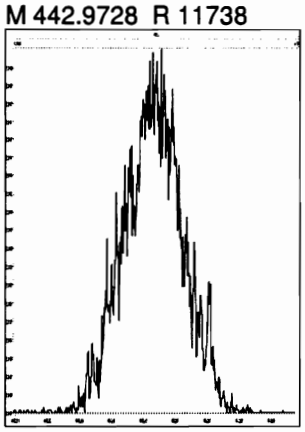
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Wednesday, April 07, 2021 08:32:54 Pacific Daylight Time

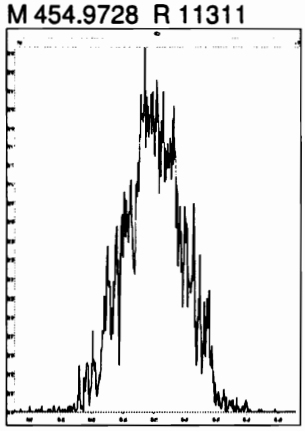
M 430.9728 R 10502



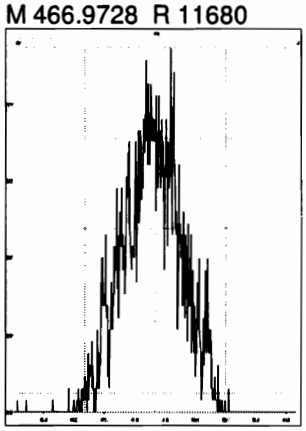
M 442.9728 R 11738



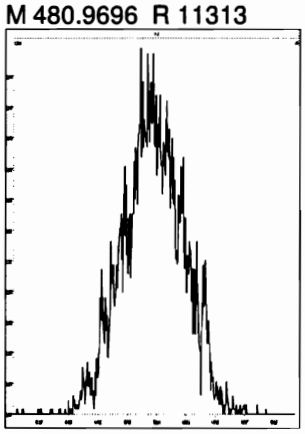
M 454.9728 R 11311



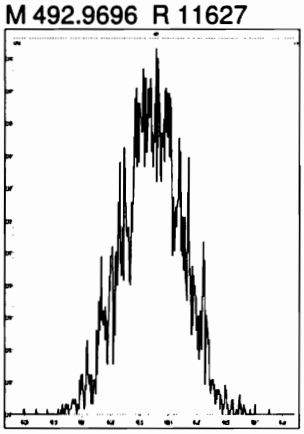
M 466.9728 R 11680



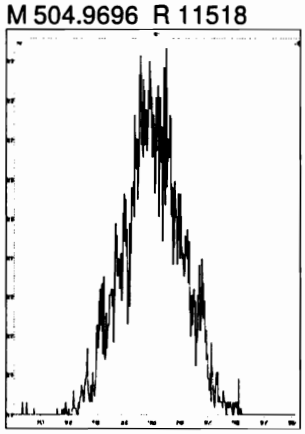
M 480.9696 R 11313



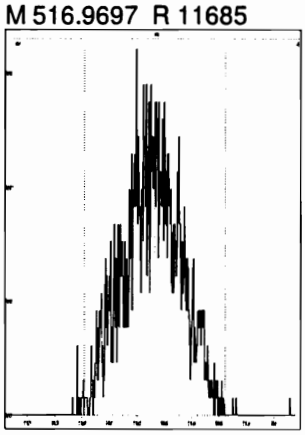
M 492.9696 R 11627



M 504.9696 R 11518



M 516.9697 R 11685



Vista Analytical Laboratory

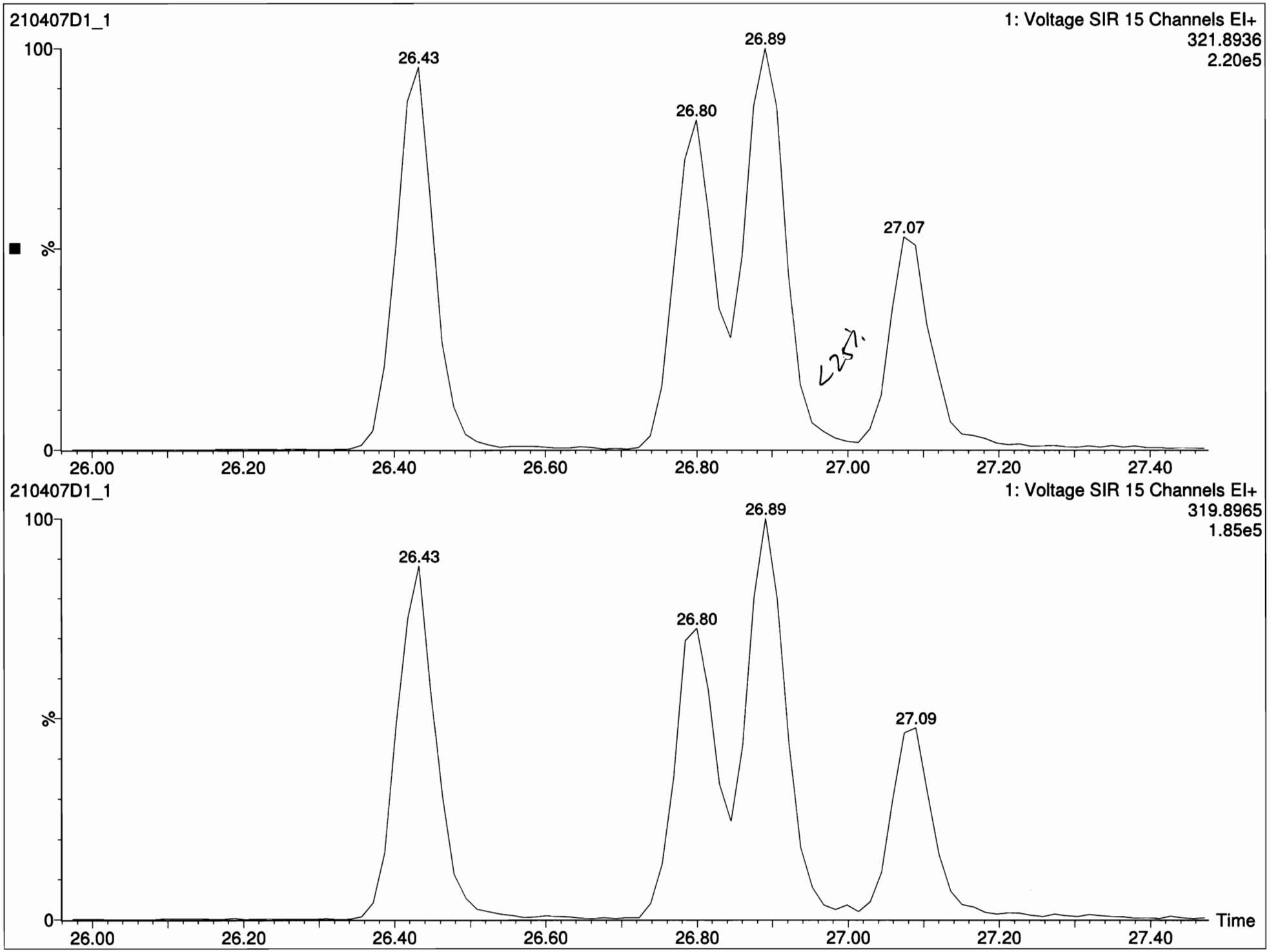
Dataset: Untitled

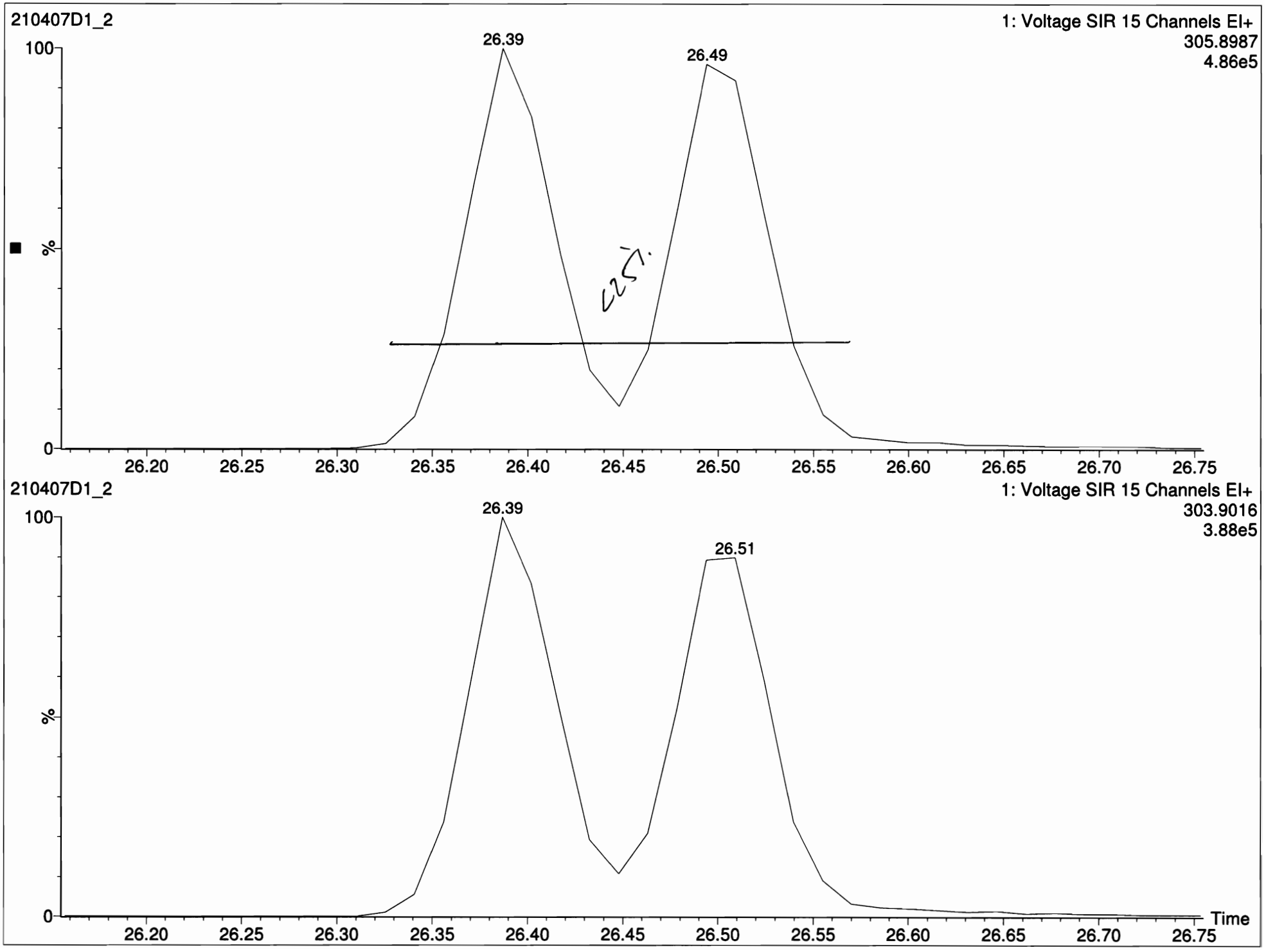
Last Altered: Thursday, April 08, 2021 07:56:39 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:57:00 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\CPSM.mdb 06 Apr 2021 11:04:01
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210407D1_1, Date: 07-Apr-2021, Time: 08:36:20, ID: ST210407D1-1 1613 CS3 20H2521, Description: 1613 CS3 20H2521

	#	Name	RT
1	1	1,3,6,8-TCDD (First)	23.97
2	2	1,2,8,9-TCDD (Last)	27.84
3	3	1,2,4,7,9-PeCDD (First)	29.20
4	4	1,2,3,8,9-PeCDD (Last)	31.55
5	5	1,2,4,6,7,9-HxCDD (First)	32.86
6	6	1,2,3,7,8,9-HxCDD (Last)	35.09
7	7	1,2,3,4,6,7,9-HpCDD (First)	37.53
8	8	1,2,3,4,6,7,8-HpCDD (Last)	38.48
9	9	1,3,6,8-TCDF (First)	22.12
10	10	1,2,8,9-TCDF (Last)	28.13
11	11	1,3,4,6,8-PeCDF (First)	27.73
12	12	1,2,3,8,9-PeCDF (Last)	31.91
13	13	1,2,3,4,6,8-HxCDF (First)	32.32
14	14	1,2,3,7,8,9-HxCDF (Last)	35.67
15	15	1,2,3,4,6,7,8-HpCDF (First)	37.24
16	16	1,2,3,4,7,8,9-HpCDF (Last)	39.26


210407D1_1
1: Voltage SIR 15 Channels EI+
321.8936
2.20e5
100
%
0
26.43
26.80
26.89
27.07
26.00
26.20
26.40
26.60
26.80
27.00
27.20
27.40
210407D1_1
1: Voltage SIR 15 Channels EI+
319.8965
1.85e5
100
%
0
26.43
26.80
26.89
27.09
Time
26.00
26.20
26.40
26.60
26.80
27.00
27.20
27.40


210407D1_2
1: Voltage SIR 15 Channels EI+
305.8987
4.86e5
100
%
0
26.39
26.49
26.20
26.25
26.30
26.35
26.40
26.45
26.50
26.55
26.60
26.65
26.70
26.75
210407D1_2
1: Voltage SIR 15 Channels EI+
303.9016
3.88e5
100
%
0
26.39
26.51
Time
26.20
26.25
26.30
26.35
26.40
26.45
26.50
26.55
26.60
26.65
26.70
26.75

Vista Analytical Laboratory

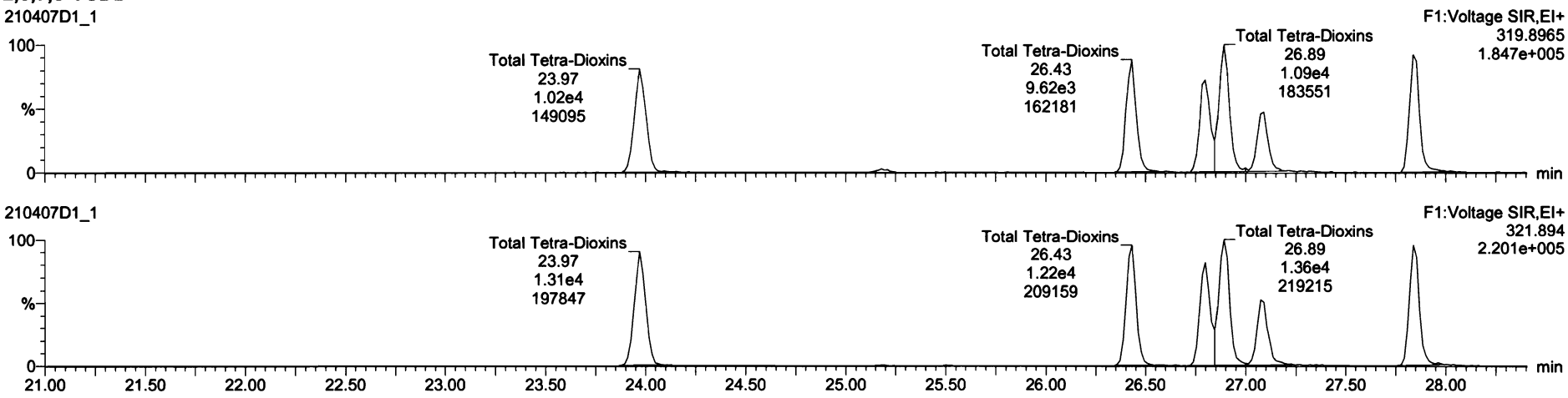
Dataset: Untitled

Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

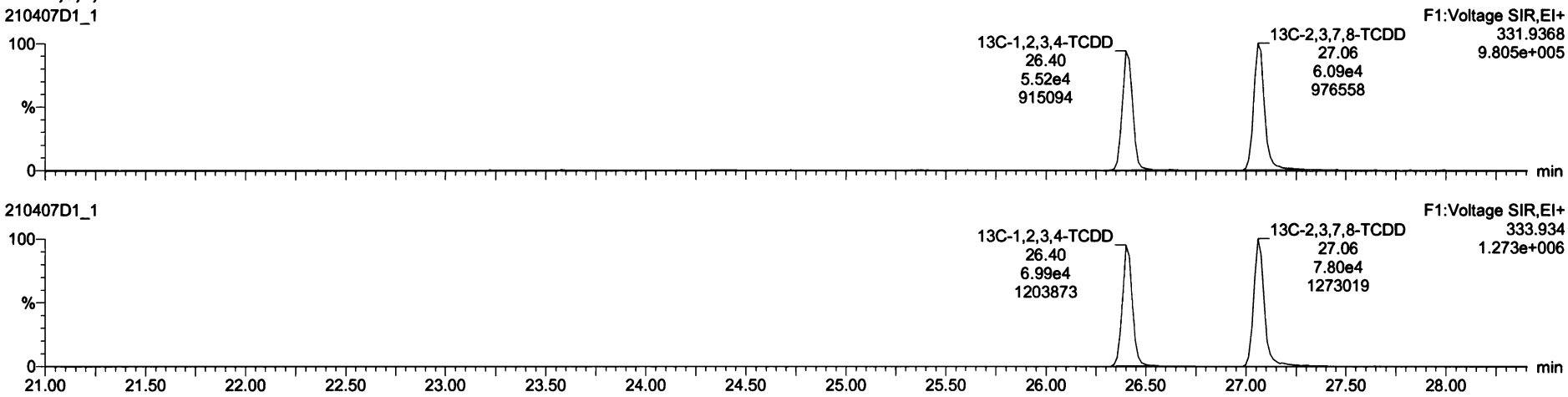
Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_4-6-21.mdb 06 Apr 2021 09:18:07
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

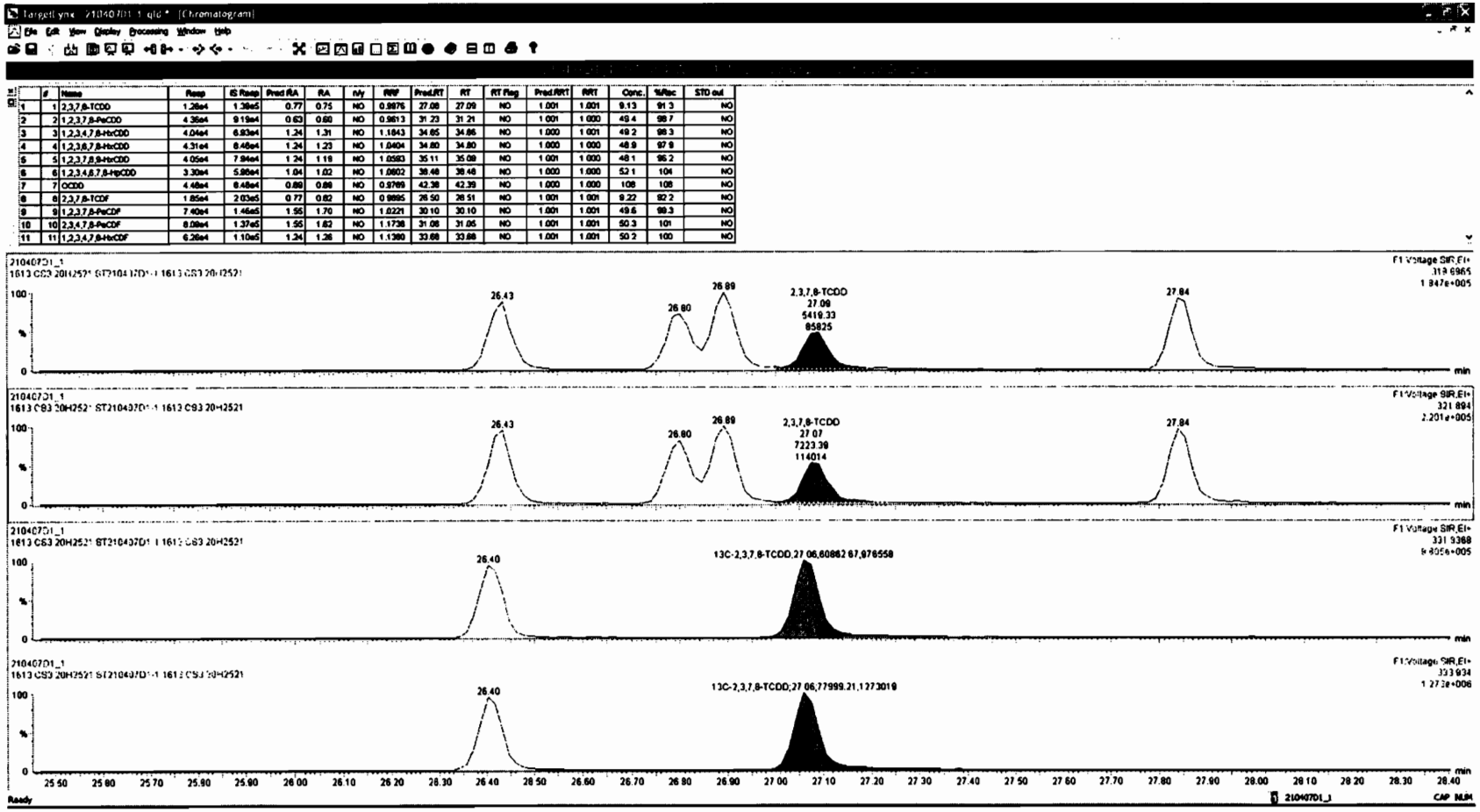
Name: 210407D1_1, Date: 07-Apr-2021, Time: 08:36:20, ID: ST210407D1-1 1613 CS3 20H2521, Description: 1613 CS3 20H2521

2,3,7,8-TCDD



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





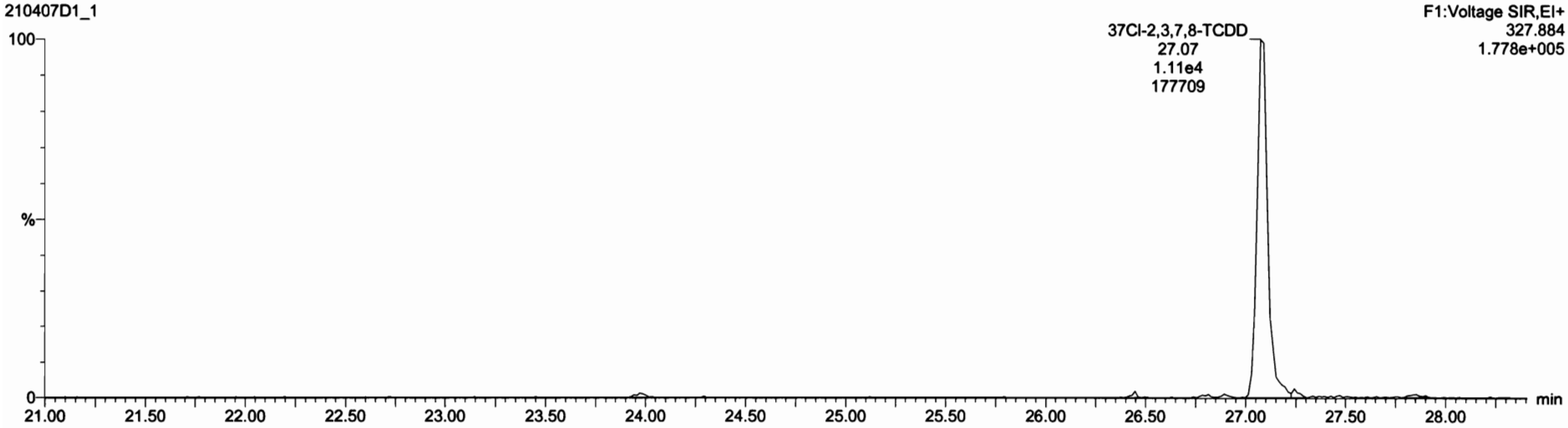
#	Name	Resp	IS Resp	Pred RA	RA	nAy	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc.	%Rec	STD out
1	2,3,7,8-TCDD	1.28e4	1.38e5	0.77	0.75	NO	0.9876	27.08	27.09	NO	1.001	1.001	9.13	91.3	NO
2	1,2,3,7,8-PeCDD	4.36e4	9.19e4	0.63	0.60	NO	0.9613	31.23	31.21	NO	1.001	1.000	49.4	98.7	NO
3	1,2,3,4,7,8-HxCDD	4.04e4	6.83e4	1.24	1.31	NO	1.1843	34.85	34.86	NO	1.000	1.001	49.2	98.3	NO
4	1,2,3,6,7,8-HxCDD	4.31e4	8.46e4	1.24	1.23	NO	1.0404	34.80	34.80	NO	1.000	1.000	48.9	97.8	NO
5	1,2,3,7,8,9-HxCDD	4.05e4	7.94e4	1.24	1.19	NO	1.0593	35.11	35.09	NO	1.001	1.000	48.1	96.2	NO
6	1,2,3,4,6,7,8-HpCDD	3.30e4	5.86e4	1.04	1.02	NO	1.0602	38.48	38.48	NO	1.000	1.000	52.1	104	NO
7	OCDD	4.48e4	8.48e4	0.88	0.88	NO	0.9799	42.38	42.39	NO	1.000	1.000	108	108	NO
8	2,3,7,8-TCDF	1.85e4	2.03e5	0.77	0.82	NO	0.9895	26.50	26.51	NO	1.001	1.001	9.22	92.2	NO
9	1,2,3,7,8-PeCDF	7.40e4	1.46e5	1.55	1.70	NO	1.0221	30.10	30.10	NO	1.001	1.001	49.6	99.3	NO
10	2,3,4,7,8-PeCDF	8.08e4	1.37e5	1.55	1.62	NO	1.1738	31.06	31.05	NO	1.001	1.001	50.3	101	NO
11	1,2,3,4,7,8-HxCDF	6.26e4	1.10e5	1.24	1.26	NO	1.1390	33.88	33.88	NO	1.001	1.001	50.2	100	NO

Dataset: Untitled

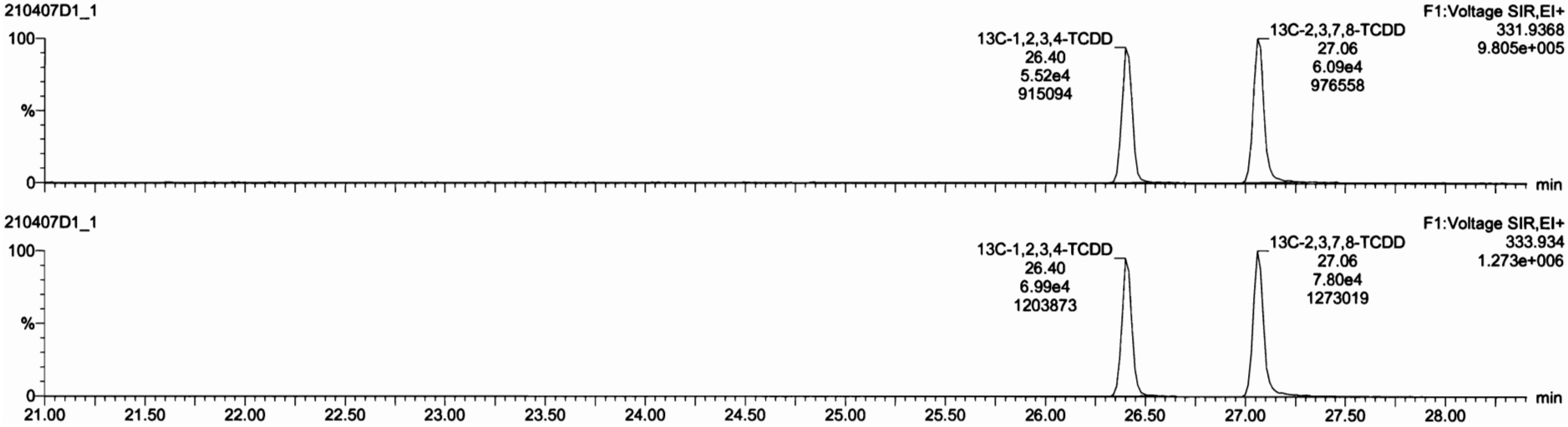
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_1, Date: 07-Apr-2021, Time: 08:36:20, ID: ST210407D1-1 1613 CS3 20H2521, Description: 1613 CS3 20H2521

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



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



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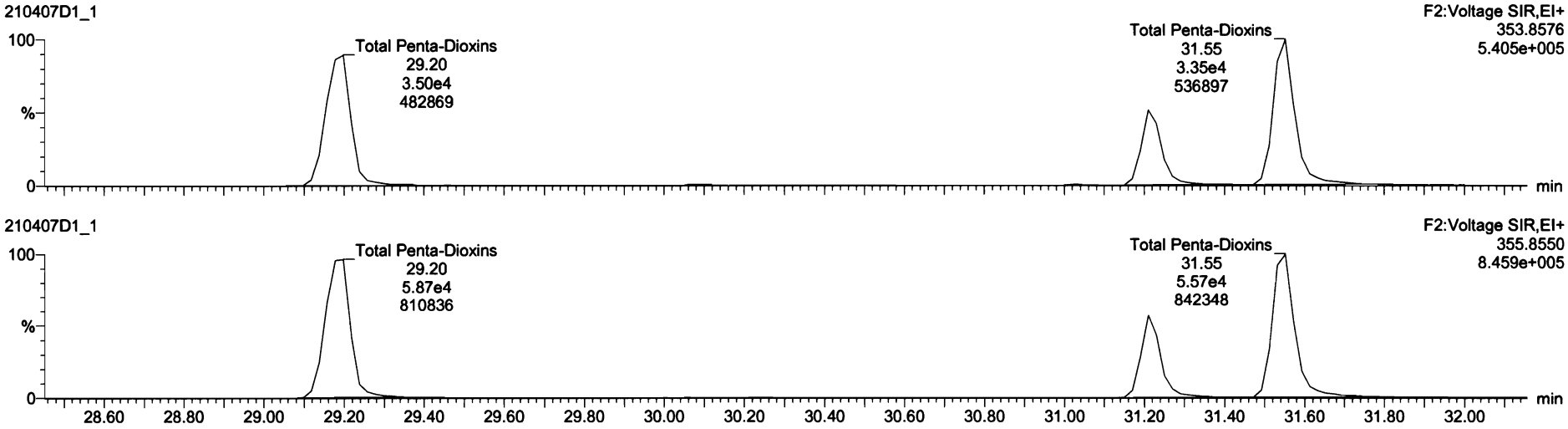
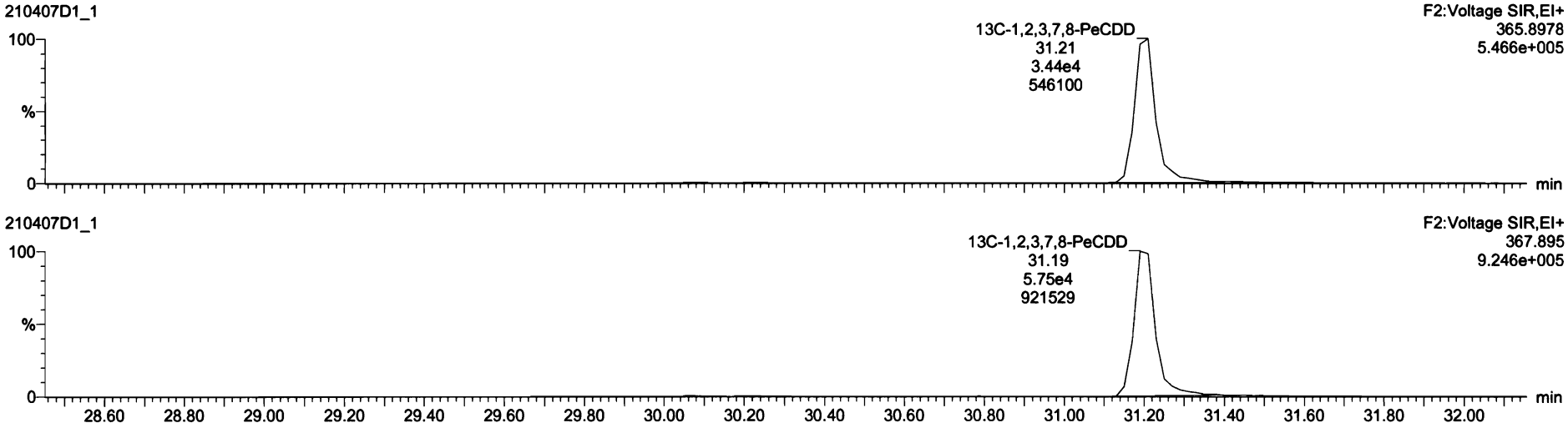
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_1, Date: 07-Apr-2021, Time: 08:36:20, ID: ST210407D1-1 1613 CS3 20H2521, Description: 1613 CS3 20H2521

1,2,3,7,8-PeCDD



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



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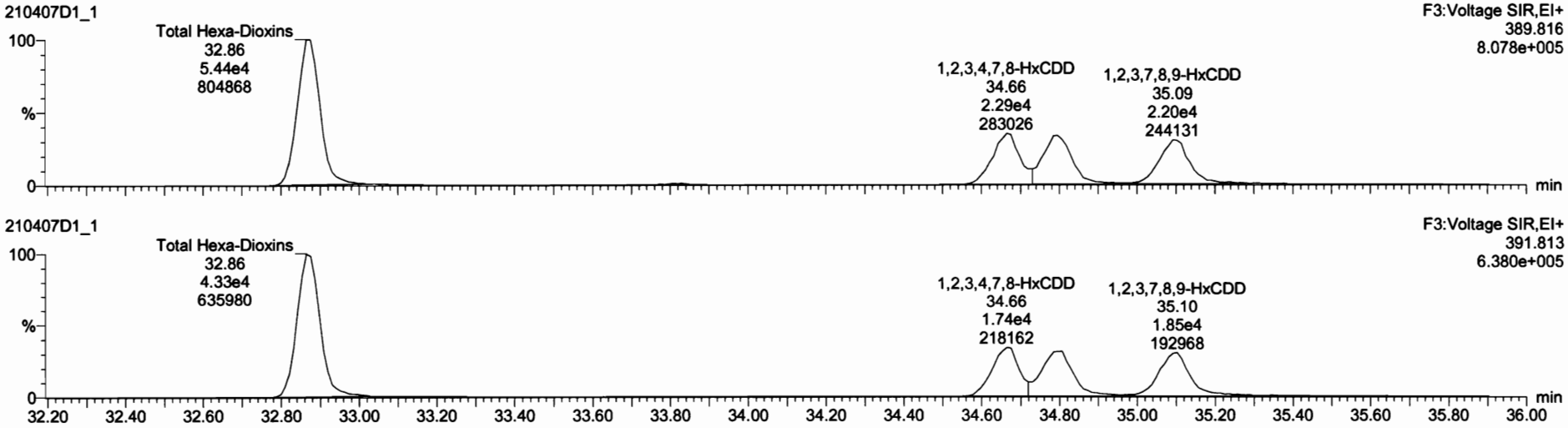
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_1, Date: 07-Apr-2021, Time: 08:36:20, ID: ST210407D1-1 1613 CS3 20H2521, Description: 1613 CS3 20H2521

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



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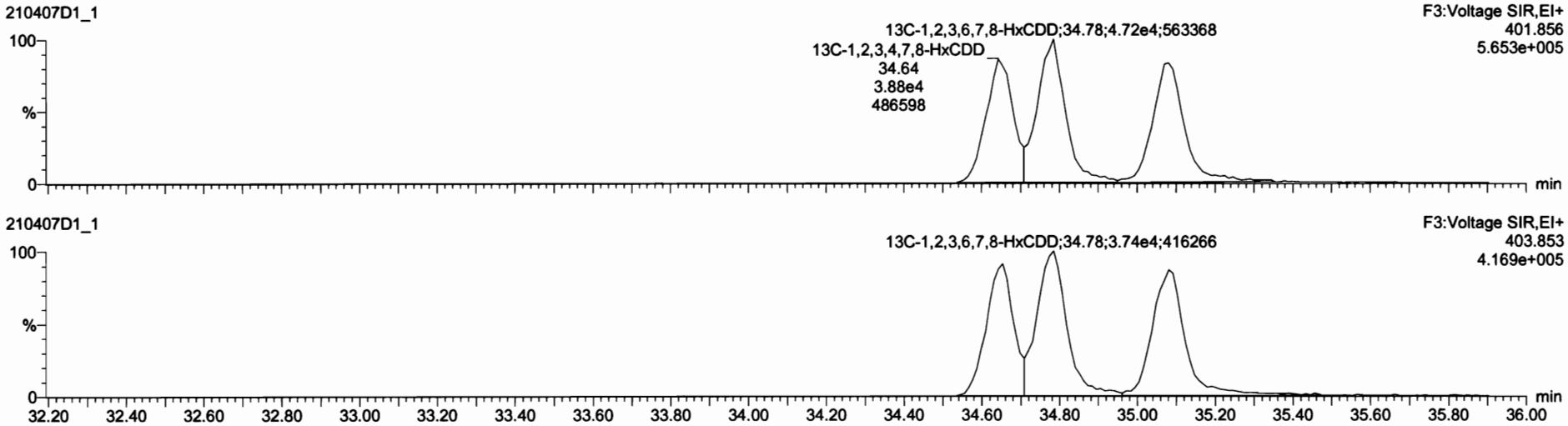
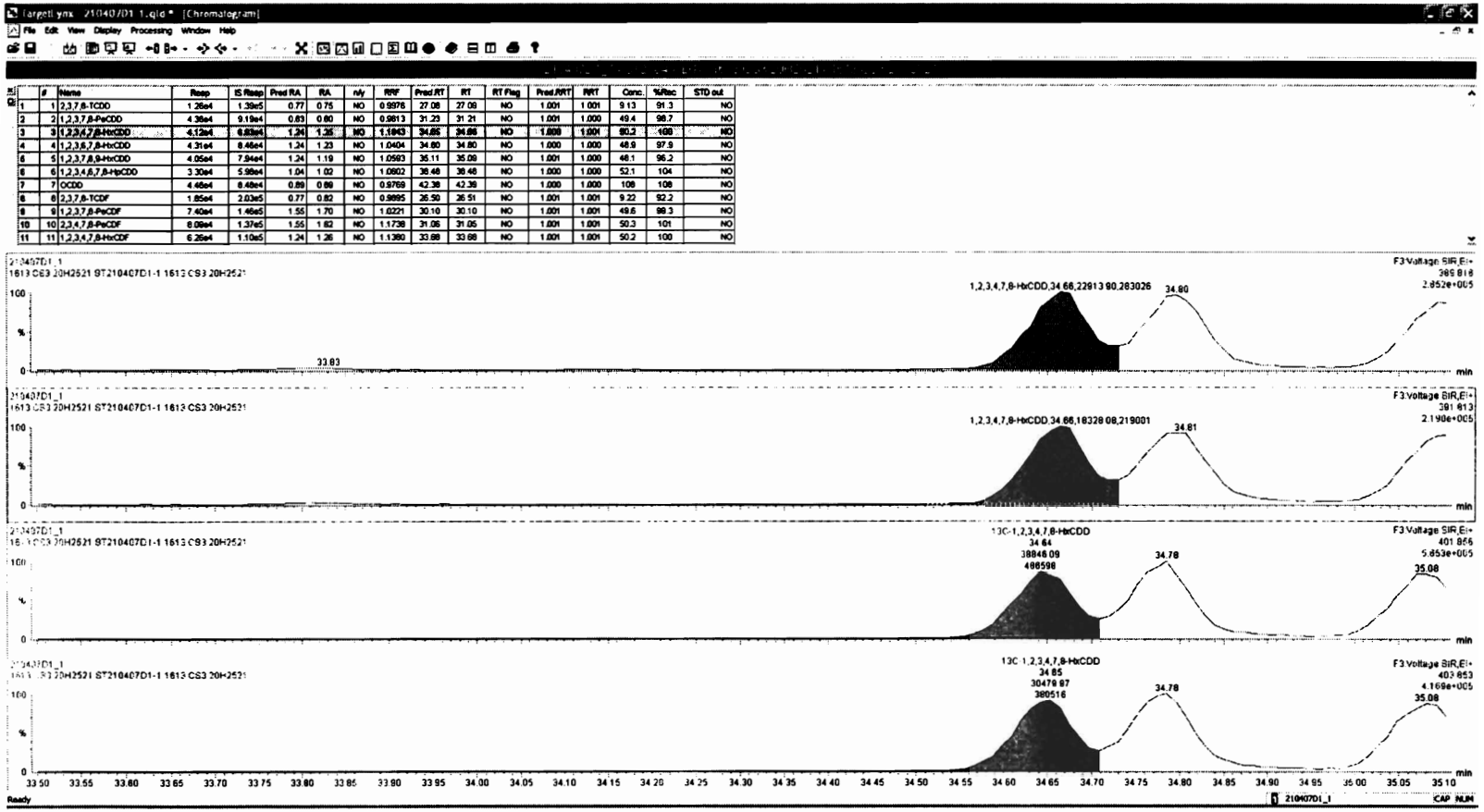
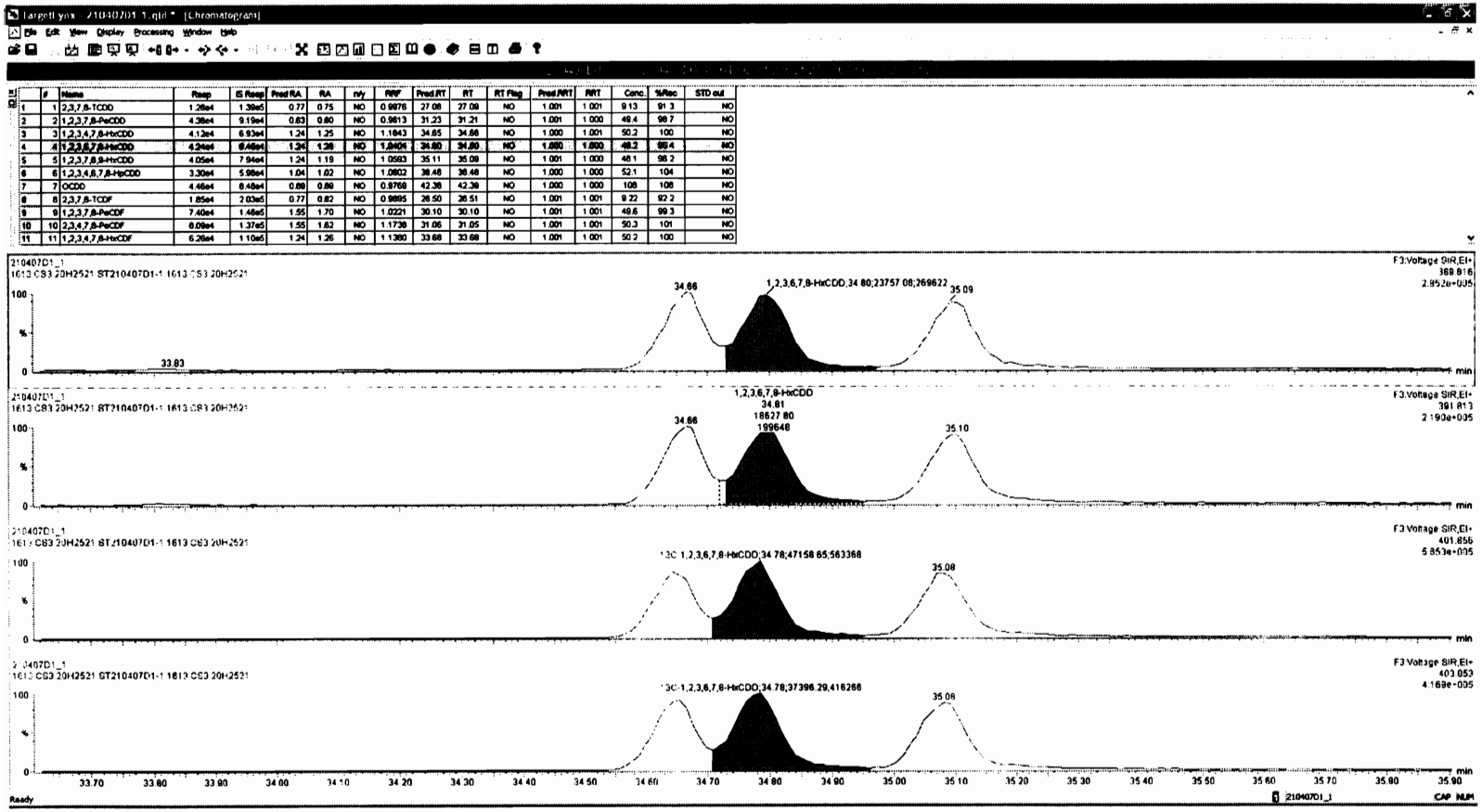




#	Name	Resp	IS Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc.	%Rec	STD out
1	2,3,7,8-TCDD	1.26e4	1.39e5	0.77	0.75	NO	0.9976	27.08	27.09	NO	1.001	1.001	9.13	91.3	NO
2	1,2,3,7,8-PeCDD	4.36e4	9.19e4	0.83	0.80	NO	0.9813	31.23	31.21	NO	1.001	1.000	49.4	98.7	NO
3	1,2,3,4,7,8-HxCDD	4.12e4	6.83e4	1.24	1.26	NO	1.1043	34.65	34.66	NO	1.000	1.001	80.2	160	NO
4	1,2,3,6,7,8-HxCDD	4.31e4	8.46e4	1.24	1.23	NO	1.0404	34.80	34.80	NO	1.000	1.000	48.9	97.9	NO
5	1,2,3,7,8,9-HxCDD	4.05e4	7.94e4	1.24	1.19	NO	1.0593	35.11	35.09	NO	1.001	1.000	46.1	96.2	NO
6	1,2,3,4,6,7,8-HpCDD	3.30e4	5.99e4	1.04	1.02	NO	1.0802	38.48	38.48	NO	1.000	1.000	52.1	104	NO
7	OCDD	4.46e4	8.48e4	0.89	0.86	NO	0.9769	42.38	42.36	NO	1.000	1.000	108	108	NO
8	2,3,7,8-TCDF	1.85e4	2.03e5	0.77	0.82	NO	0.9895	26.50	26.51	NO	1.001	1.001	9.22	92.2	NO
9	1,2,3,7,8-PeCDF	7.40e4	1.46e5	1.55	1.70	NO	1.0221	30.10	30.10	NO	1.001	1.001	49.6	99.3	NO
10	2,3,4,7,8-PeCDF	8.09e4	1.37e5	1.55	1.82	NO	1.1738	31.06	31.05	NO	1.001	1.001	50.3	101	NO
11	1,2,3,4,7,8-HxCDF	6.26e4	1.10e5	1.24	1.26	NO	1.1380	33.68	33.68	NO	1.001	1.001	50.2	100	NO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File Edit View Display Processing Window Help
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1 2,3,7,8-TCDD 1.28e4 1.39e5 0.77 0.75 NO 0.9976 27.08 27.09 NO 1.001 1.001 9.13 91.3 NO
2 1,2,3,7,8-PeCDD 4.36e4 9.19e4 0.63 0.60 NO 0.9813 31.23 31.21 NO 1.001 1.000 49.4 98.7 NO
3 1,2,3,4,7,8-HxCDD 4.12e4 6.93e4 1.24 1.25 NO 1.1643 34.85 34.86 NO 1.000 1.001 50.2 100 NO
4 1,2,3,6,7,8-HxCDD 4.24e4 6.46e4 1.24 1.28 NO 1.2404 34.80 34.80 NO 1.000 1.000 48.2 96.4 NO
5 1,2,3,7,8,9-HxCDD 4.05e4 7.94e4 1.24 1.19 NO 1.0593 35.11 35.09 NO 1.001 1.000 46.1 98.2 NO
6 1,2,3,4,6,7,8-HpCDD 3.30e4 5.98e4 1.04 1.02 NO 1.0802 38.48 38.48 NO 1.000 1.000 52.1 104 NO
7 OCDD 4.46e4 8.48e4 0.89 0.86 NO 0.9768 42.38 42.39 NO 1.000 1.000 108 108 NO
8 2,3,7,8-TCDF 1.85e4 2.03e5 0.77 0.82 NO 0.9895 26.50 26.51 NO 1.001 1.001 9.22 92.2 NO
9 1,2,3,7,8-PeCDF 7.40e4 1.48e5 1.55 1.70 NO 1.0221 30.10 30.10 NO 1.001 1.001 49.6 99.3 NO
10 2,3,4,7,8-PeCDF 8.09e4 1.37e5 1.55 1.62 NO 1.1738 31.06 31.05 NO 1.001 1.001 50.3 101 NO
11 1,2,3,4,7,8-HxCDF 6.26e4 1.10e5 1.24 1.26 NO 1.1380 33.68 33.68 NO 1.001 1.001 50.2 100 NO
F3:Voltage SIR,EI+ 389.816 2.852e+005
34.66
1,2,3,6,7,8-HxCDD;34.80;23757.08;269622
35.09
33.83
min
1,2,3,6,7,8-HxCDD 34.81 18627.80 199648
F3:Voltage SIR,EI+ 391.813 2.193e+005
34.66
35.10
F3:Voltage SIR,EI+ 401.856 5.853e+005
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35.08
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35.08
33.70 33.80 33.90 34.00 34.10 34.20 34.30 34.40 34.50 34.60 34.70 34.80 34.90 35.00 35.10 35.20 35.30 35.40 35.50 35.60 35.70 35.80 35.90
Ready
210407D1_1
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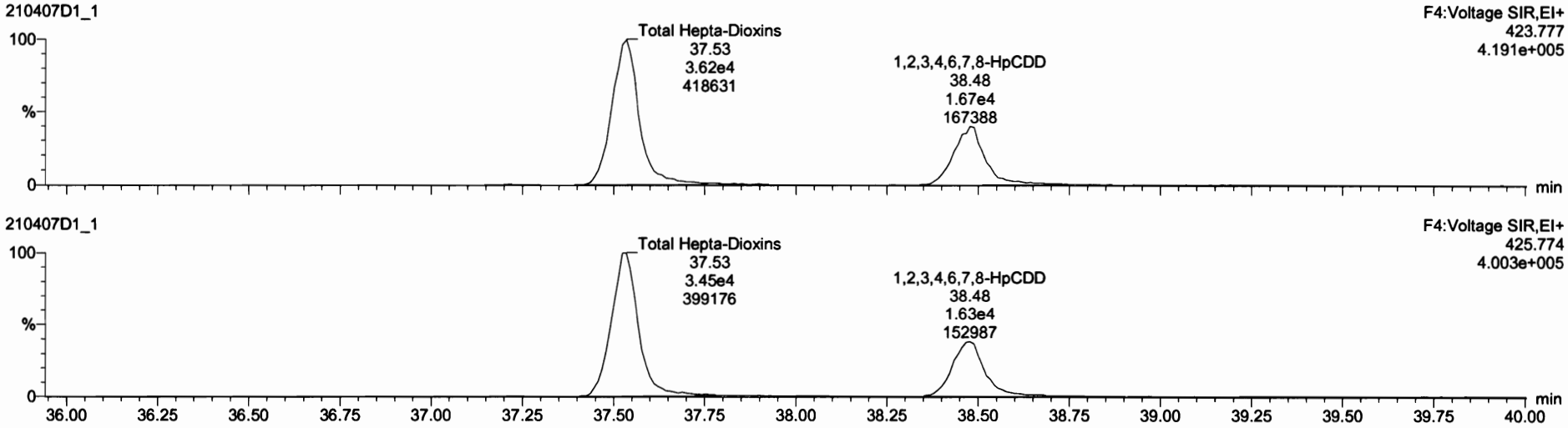
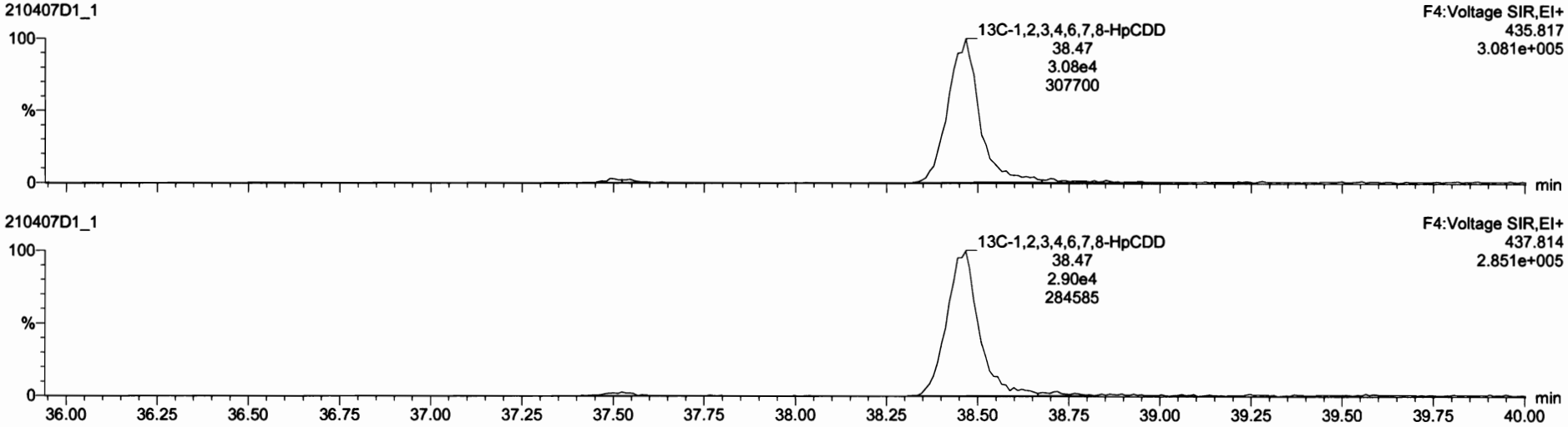
Last Altered: Thursday, April 08, 2021 07:55:40 Pacific Daylight Time
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_1, Date: 07-Apr-2021, Time: 08:36:20, ID: ST210407D1-1 1613 CS3 20H2521, Description: 1613 CS3 20H2521

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



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



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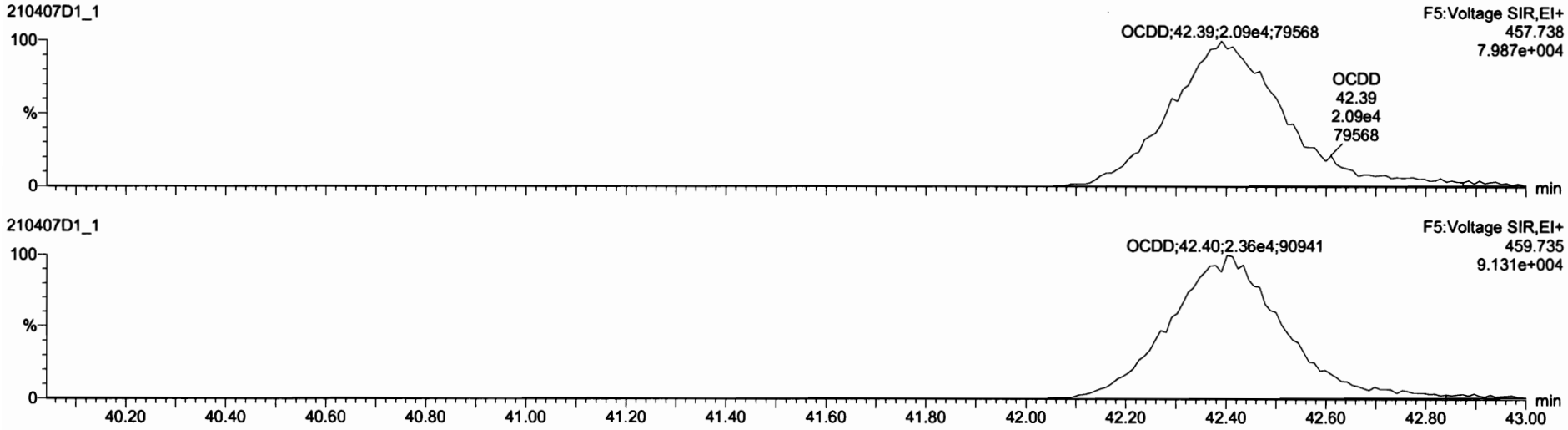
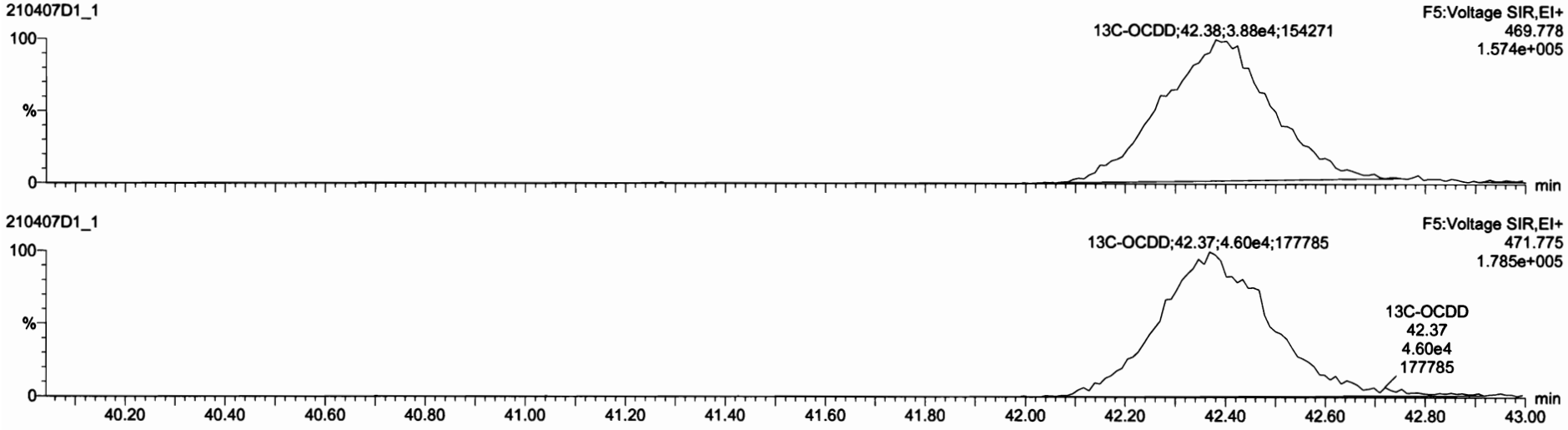
Name: 210407D1_1, Date: 07-Apr-2021, Time: 08:36:20, ID: ST210407D1-1 1613 CS3 20H2521, Description: 1613 CS3 20H2521

OCDD



13C-OCDD



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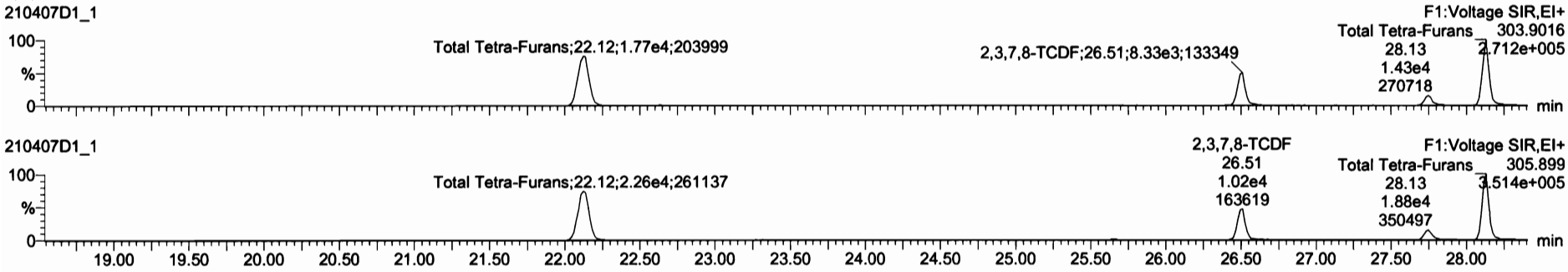
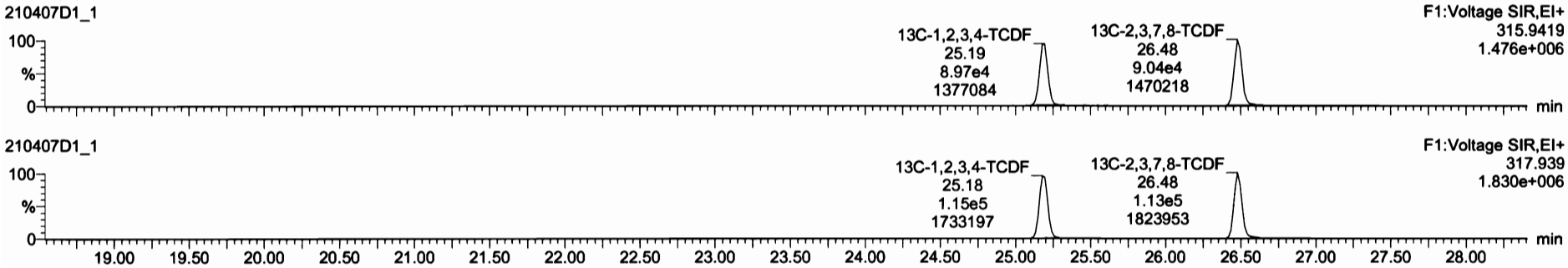
Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

Name: 210407D1_1, Date: 07-Apr-2021, Time: 08:36:20, ID: ST210407D1-1 1613 CS3 20H2521, Description: 1613 CS3 20H2521

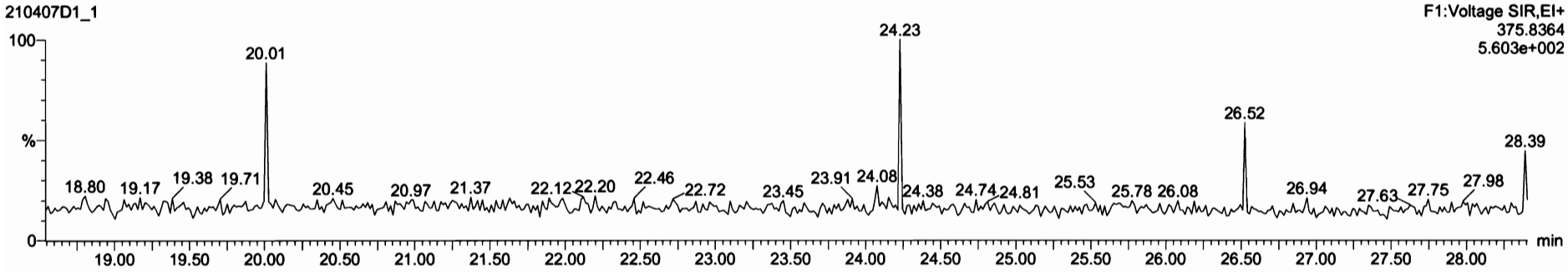
2,3,7,8-TCDF



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



DPE1



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Name: 210407D1_1, Date: 07-Apr-2021, Time: 08:36:20, ID: ST210407D1-1 1613 CS3 20H2521, Description: 1613 CS3 20H2521

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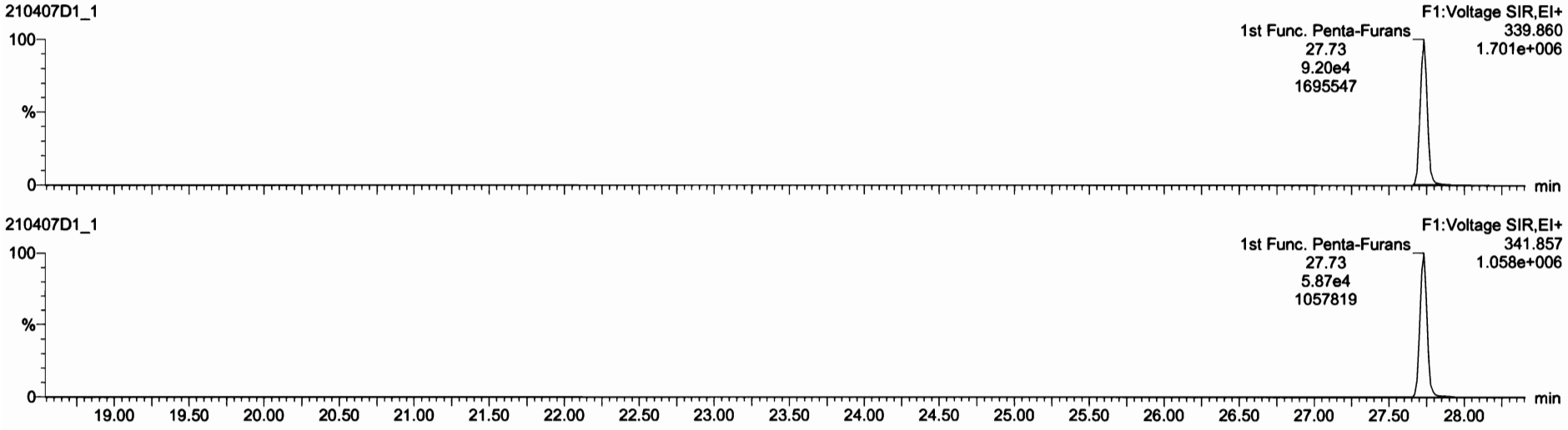
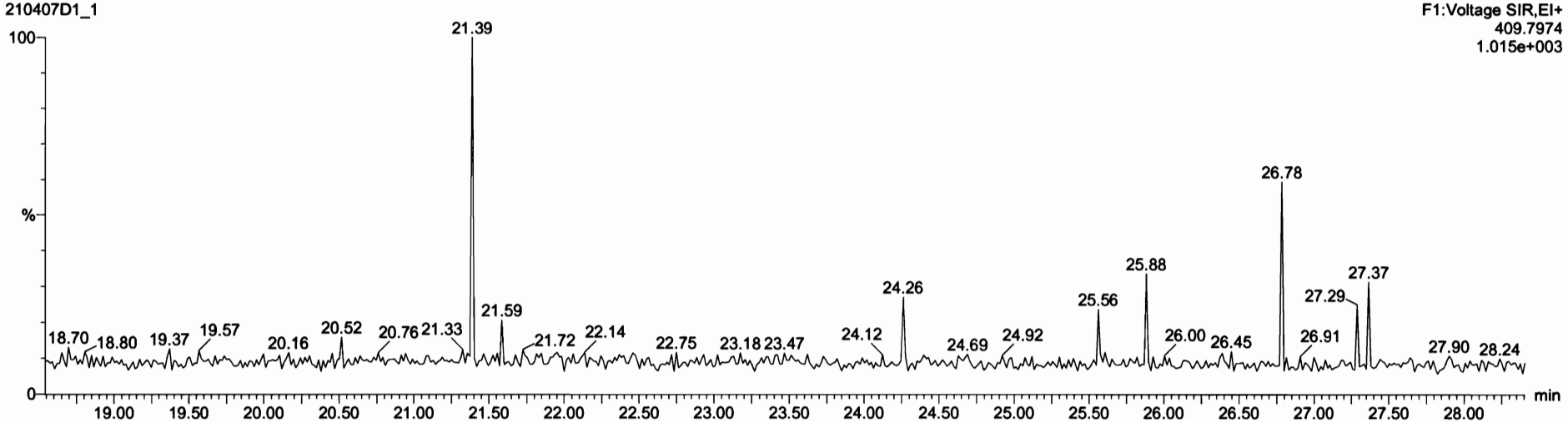


DPE6



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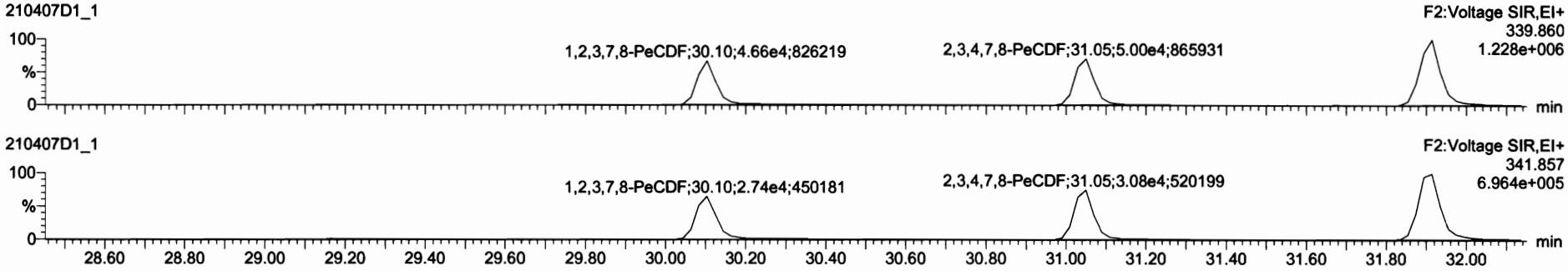
1,2,3,7,8-PeCDF



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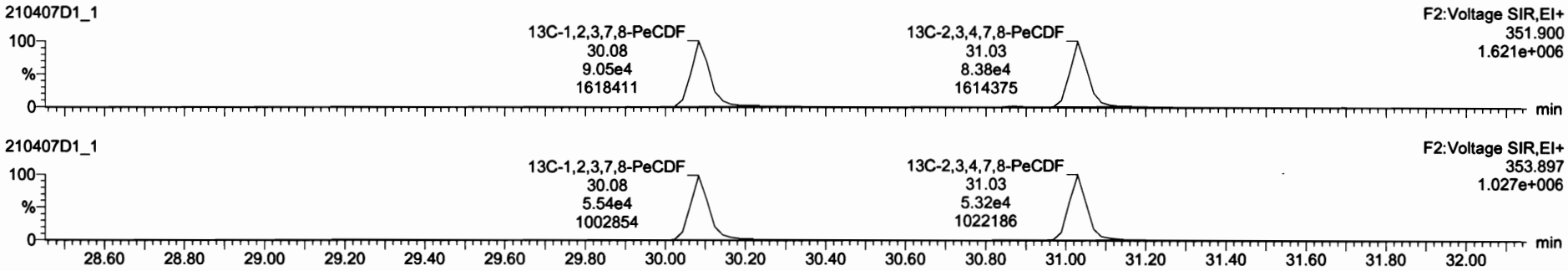

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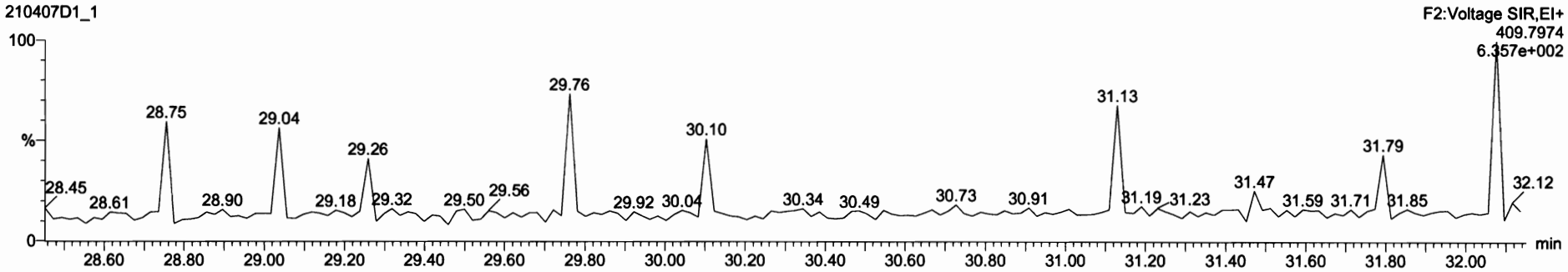

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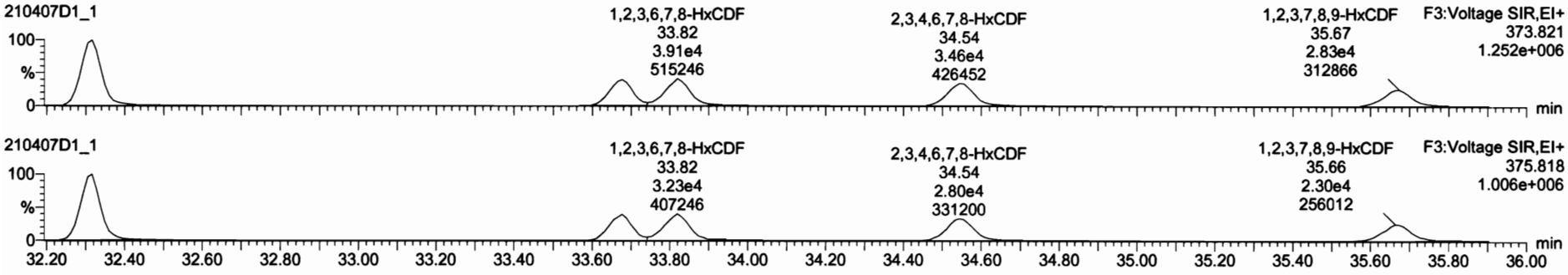
1,2,3,4,7,8-HxCDF



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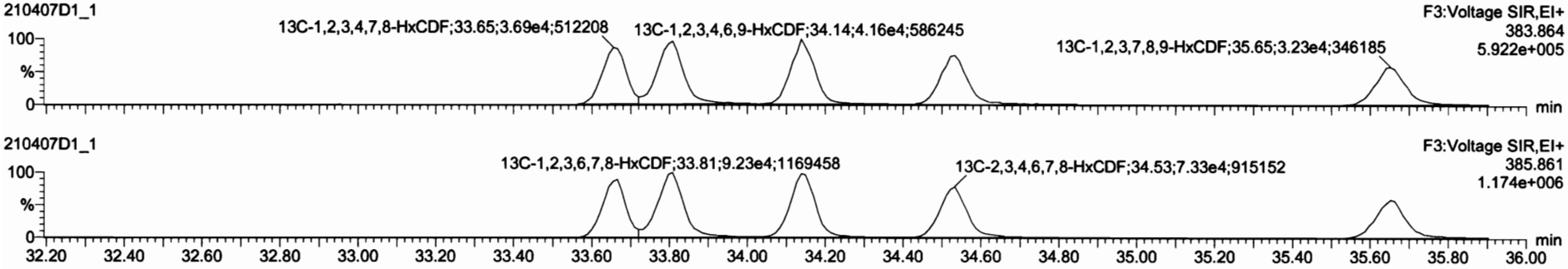

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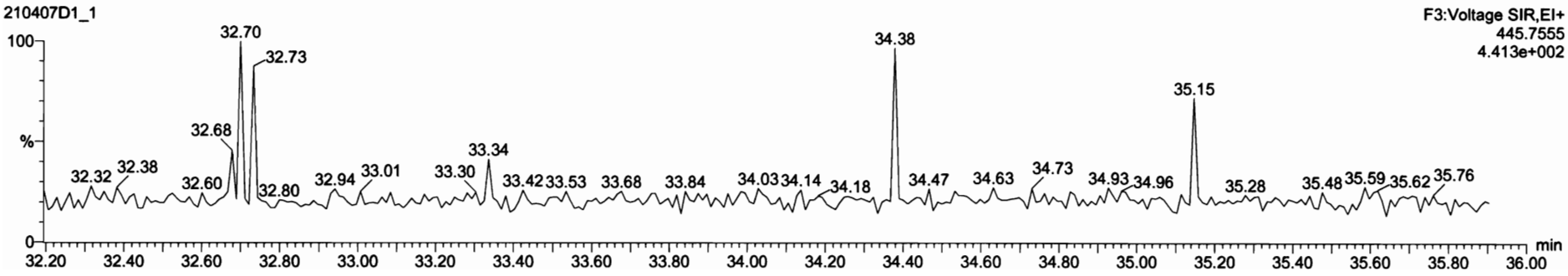

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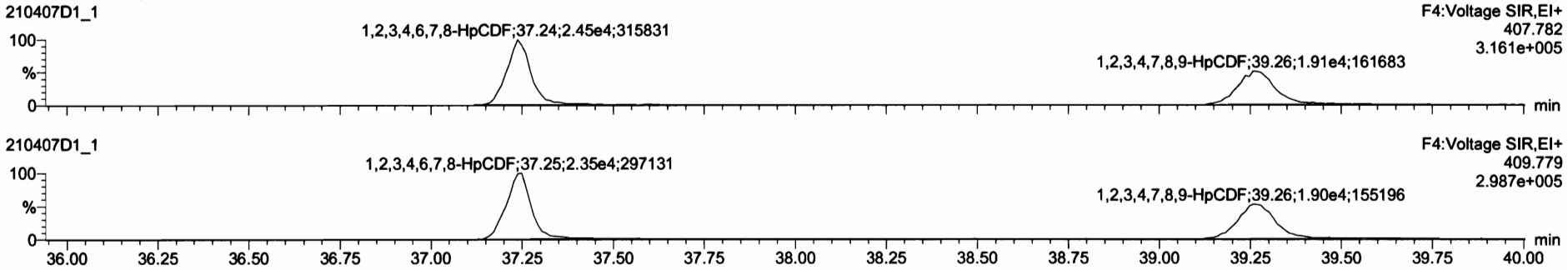
1,2,3,4,6,7,8-HpCDF



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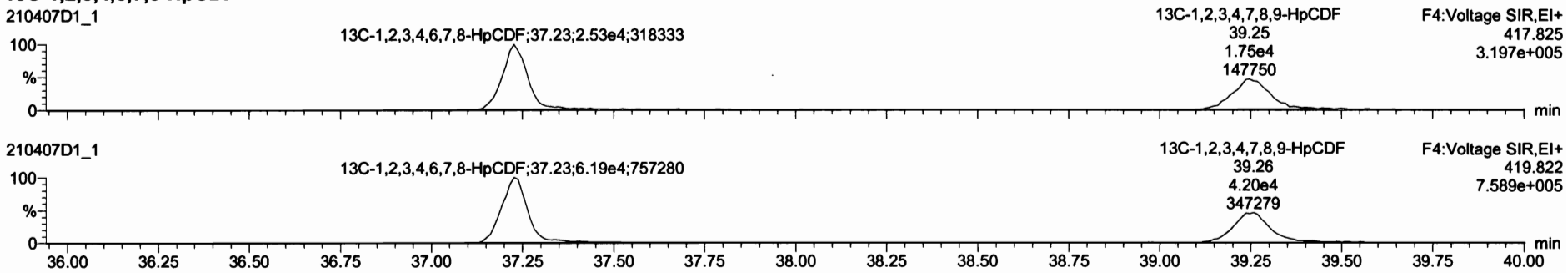

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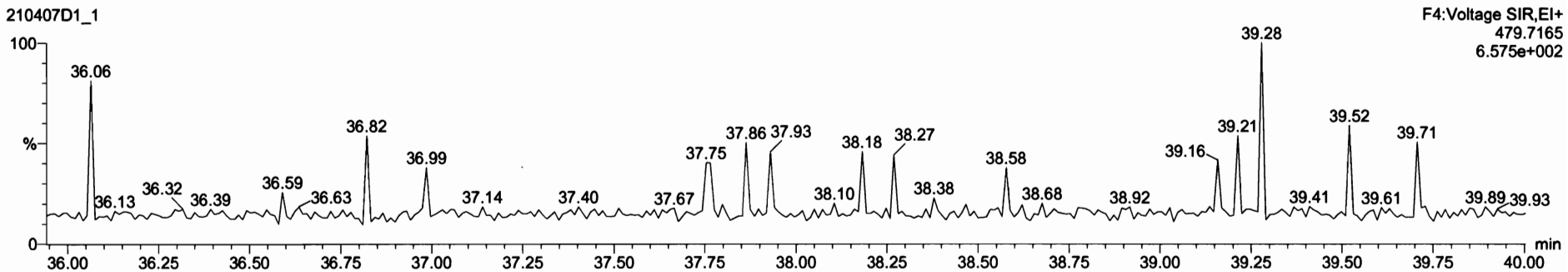

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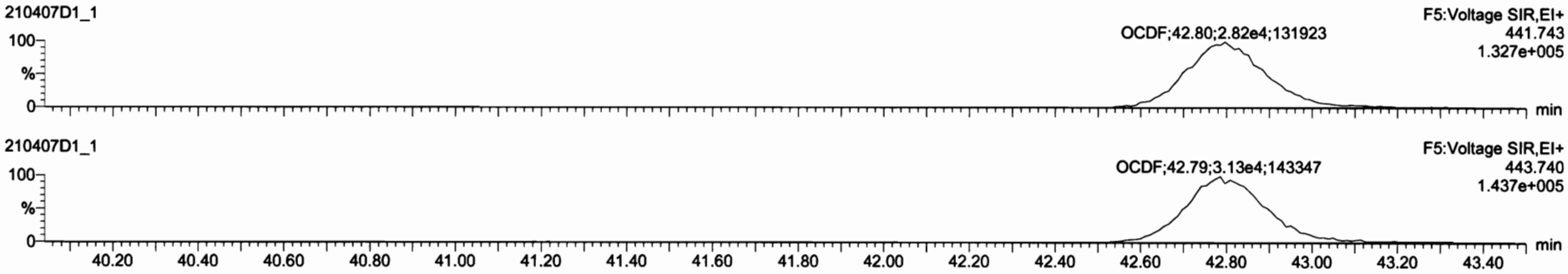
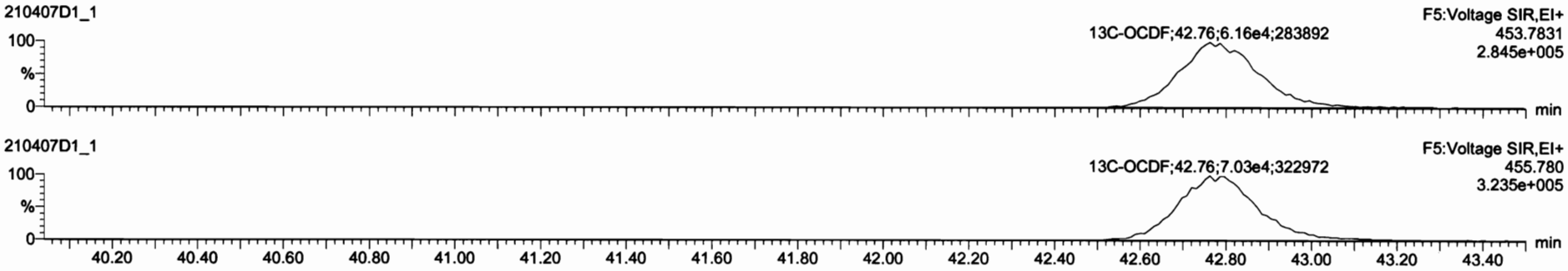
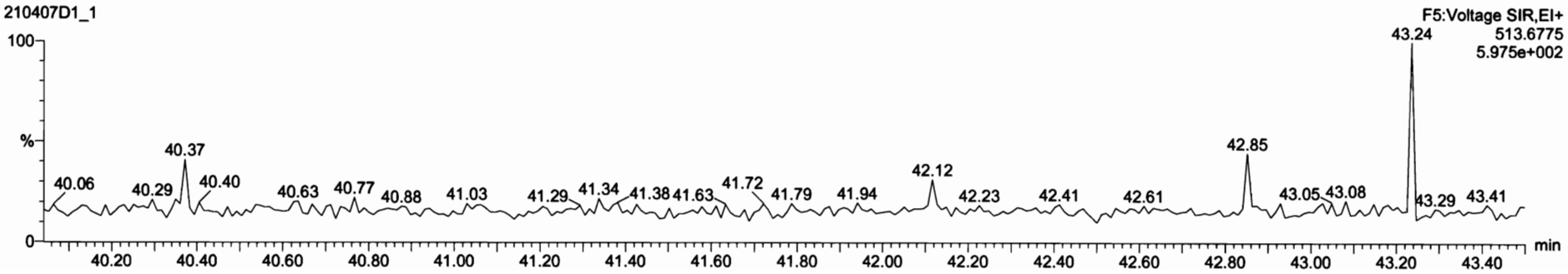
OCDF



13C-OCDF



DPE5



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Printed: Thursday, April 08, 2021 07:56:16 Pacific Daylight Time

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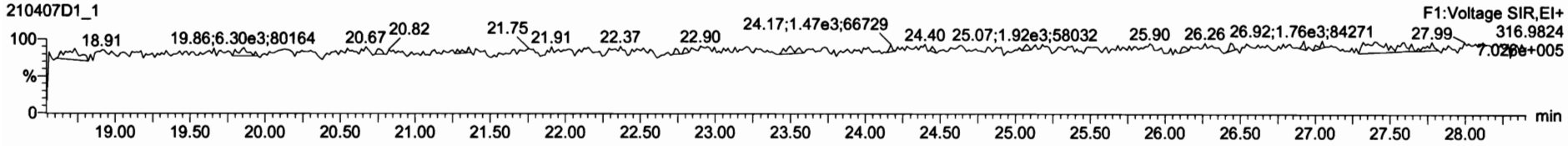

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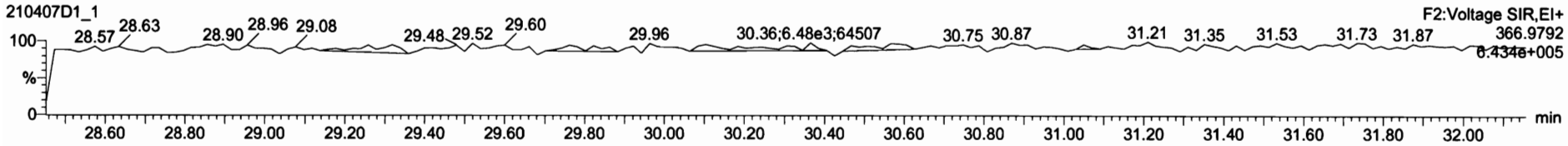

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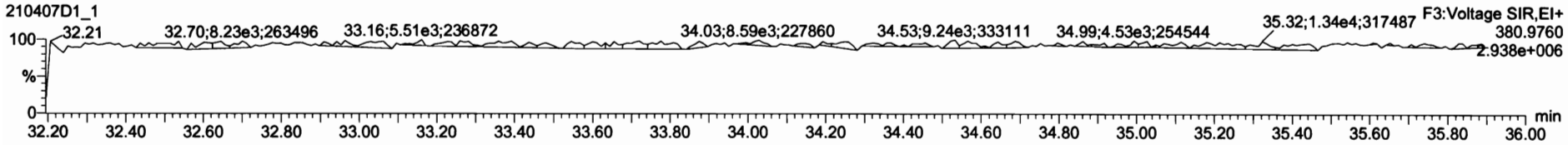

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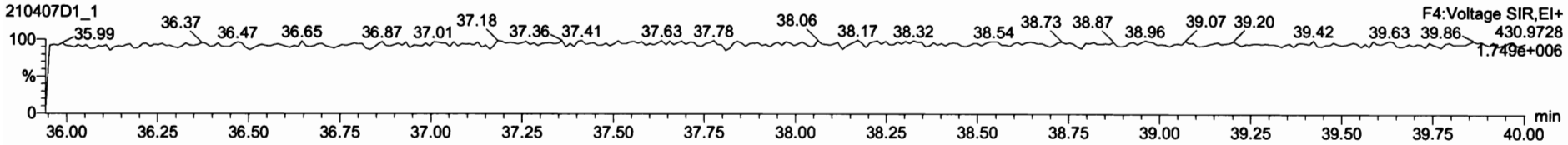

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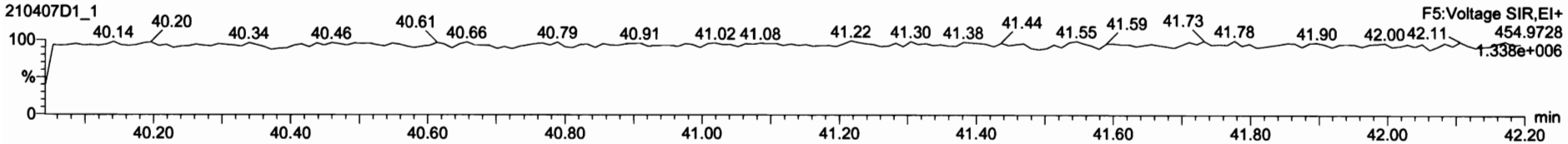

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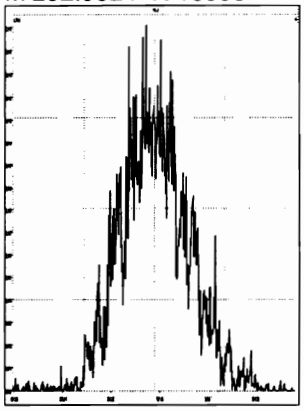

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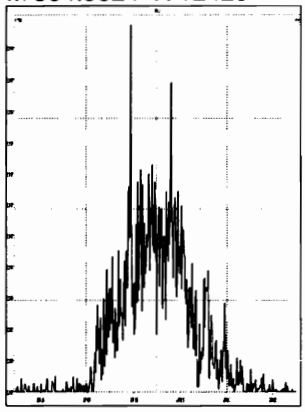

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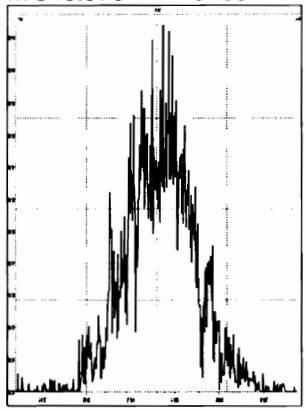

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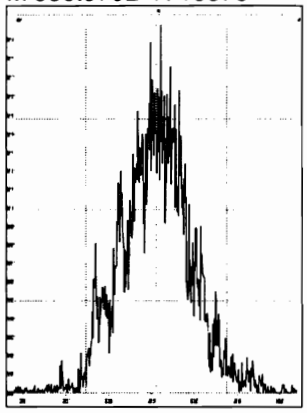

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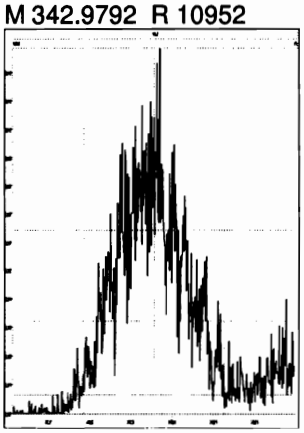

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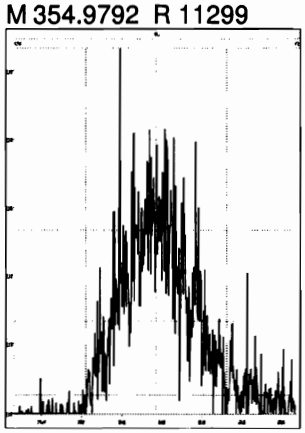

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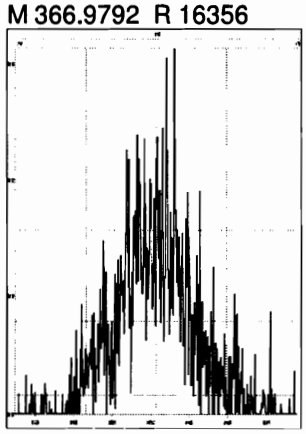

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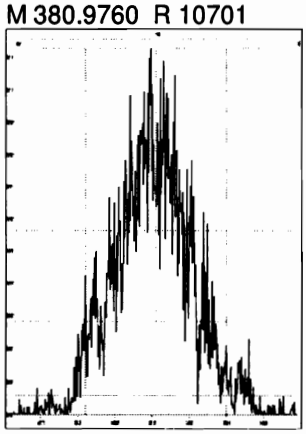

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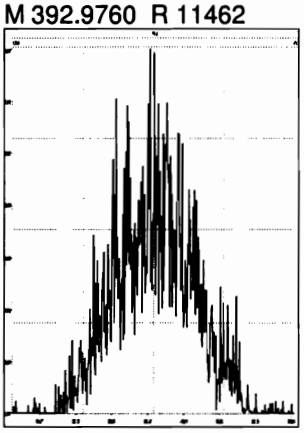

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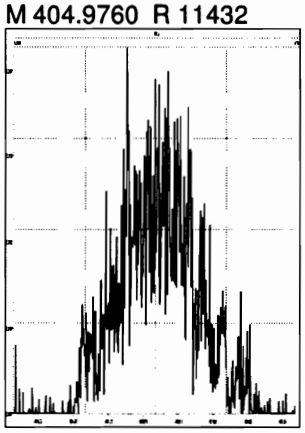

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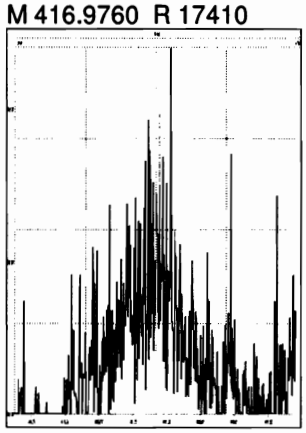

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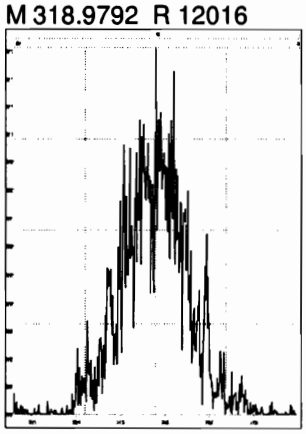

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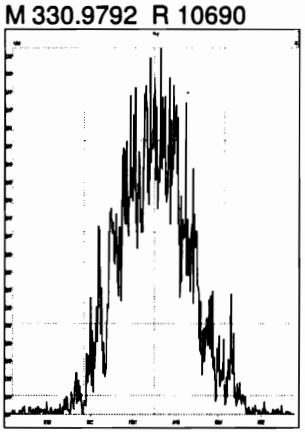

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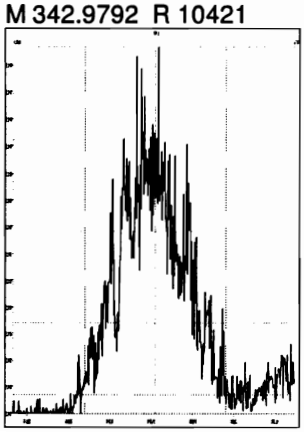

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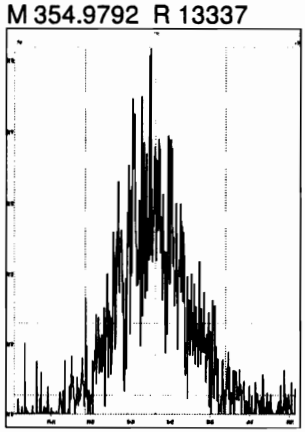

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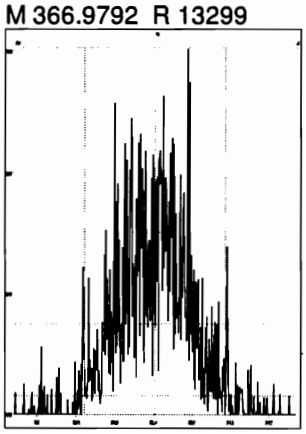

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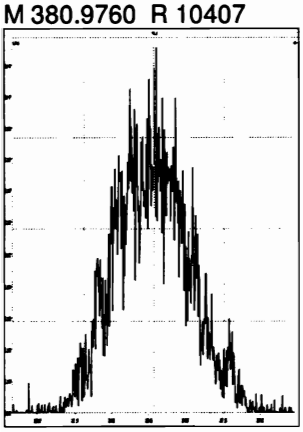

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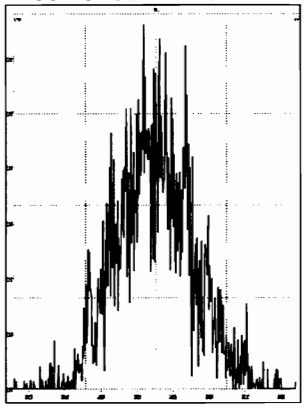

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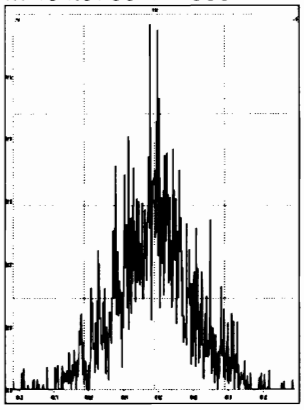

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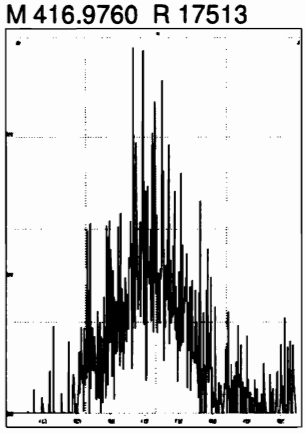

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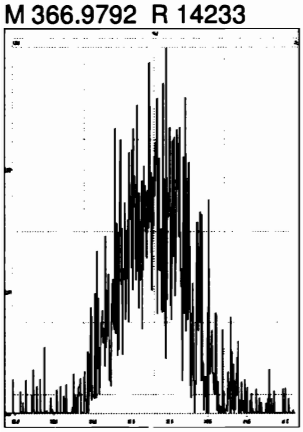

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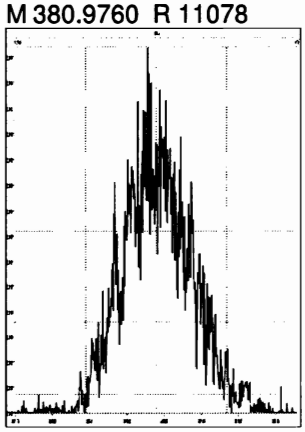

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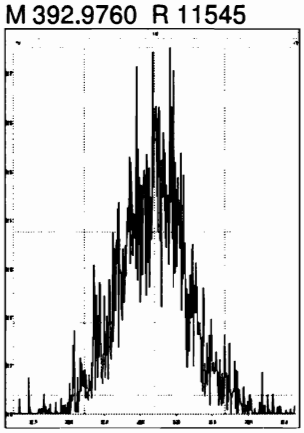

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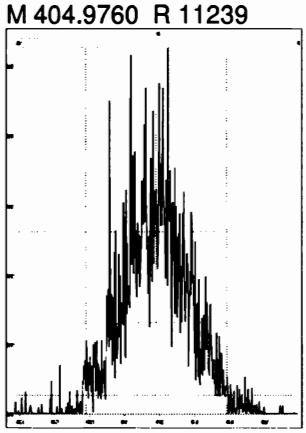

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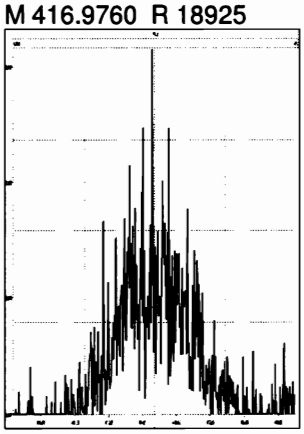

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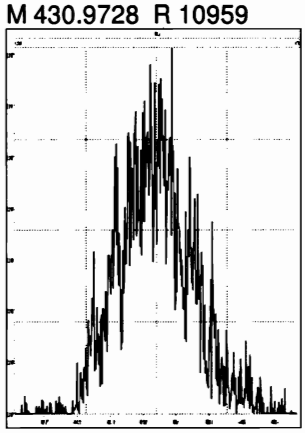

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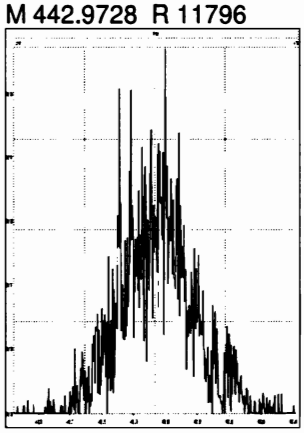

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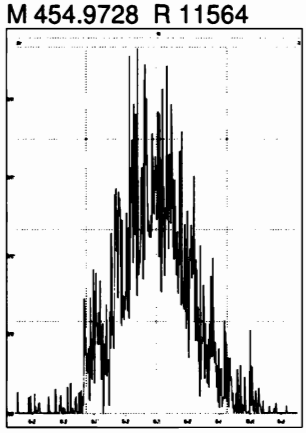

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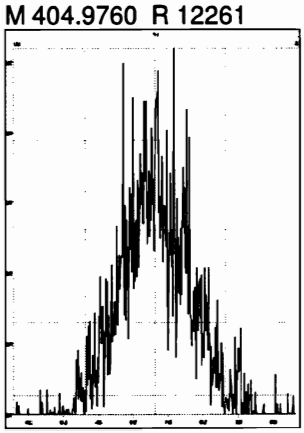

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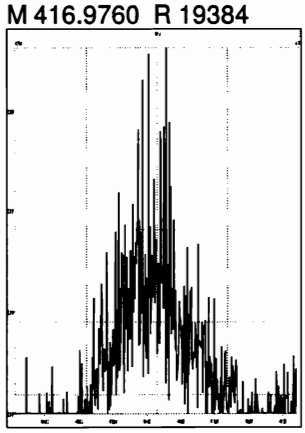

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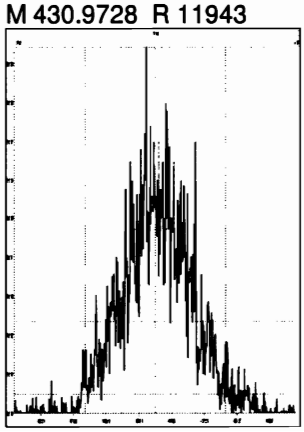

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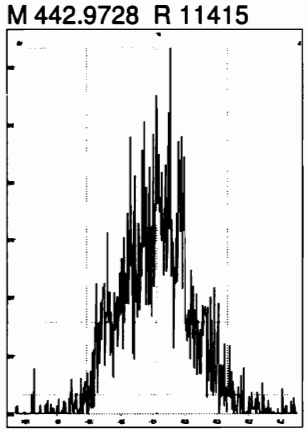

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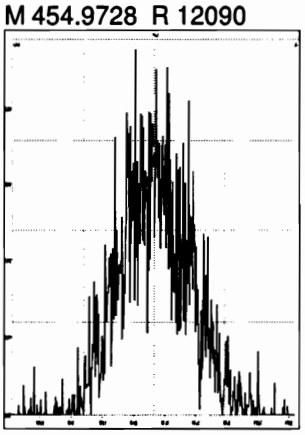

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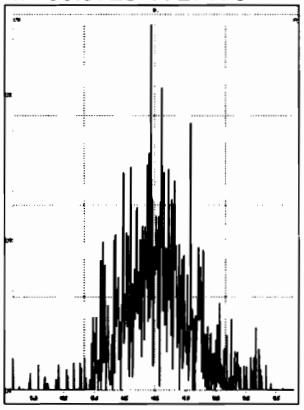

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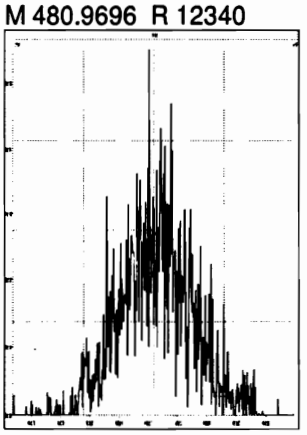

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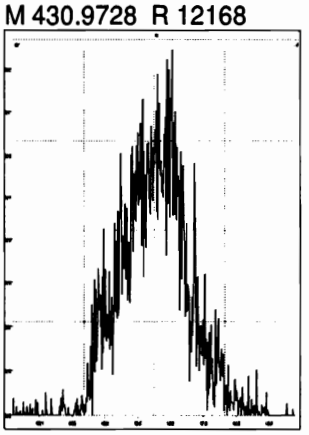

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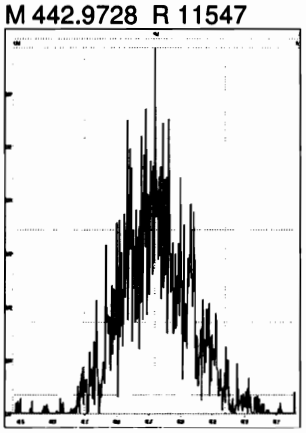

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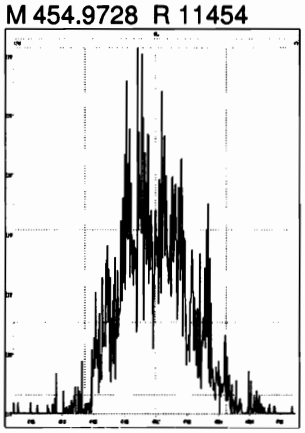

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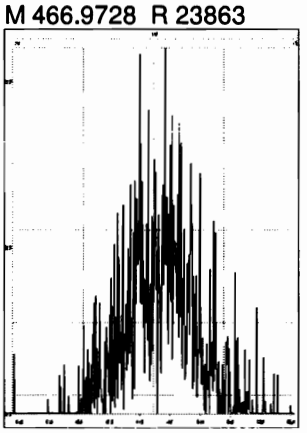

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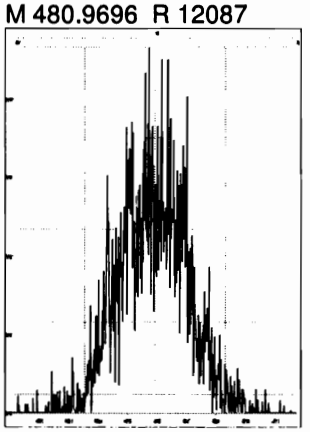

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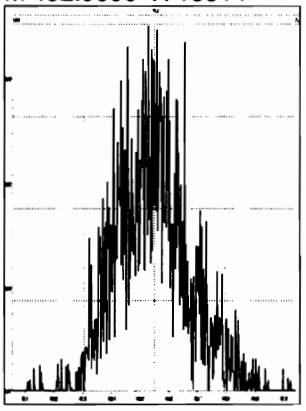

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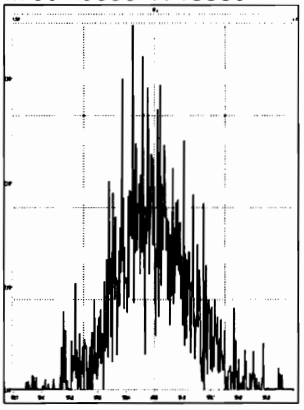

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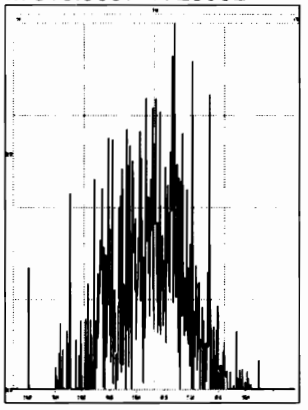

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_1.qld

Last Altered: Thursday, April 15, 2021 10:12:41 Pacific Daylight Time
Printed: Thursday, April 15, 2021 10:18:16 Pacific Daylight Time

DF 04/15/21
HN 04/17/21

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Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_1, Date: 14-Apr-2021, Time: 09:46:50, ID: ST210414H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402, Task: ST210414H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	4	Lindane (gamma-...	4.34e5	4.91e5	2.19	NO	0.860	1.000	26.57	1.001	1.000	NO	51.365	103	0.210	51.4
2	9	Aldrin	4.81e5	4.25e5	1.60	NO	1.09	1.000	30.82	1.001	1.001	NO	51.781	104	0.0317	51.8
3	10	Oxychlordane	1.28e5	1.17e5	1.68	NO	1.06	1.000	33.37	1.001	1.001	NO	51.719	103	0.0958	51.7
4	13	trans-Chlordane (g...	1.22e5	1.04e5	1.60	NO	1.14	1.000	35.05	1.000	1.001	NO	52.008	104	0.0926	52.0
5	14	trans-Nonachlor	1.29e5	1.20e5	1.56	NO	1.06	1.000	35.24	1.001	1.000	NO	50.395	101	0.0816	50.4
6	15	cis-Chlordane	1.41e5	1.20e5	1.60	NO	1.16	1.000	35.72	1.014	1.016	NO	50.341	101	0.0742	50.3
7	18	2,4'-DDE	2.94e6	2.85e6	1.48	NO	1.02	1.000	35.69	1.000	1.000	NO	50.418	101	0.0410	50.4
8	19	4,4'-DDE	2.20e6	2.12e6	1.51	NO	1.04	1.000	36.75	1.000	1.000	NO	49.923	99.8	0.0495	49.9
9	20	Dieldrin	2.95e5	2.69e5	1.62	NO	1.03	1.000	37.26	1.000	1.001	NO	53.401	107	0.0548	53.4
10	22	cis-Nonachlor	1.58e5	1.43e5	1.53	NO	1.00	1.000	38.94	1.000	1.000	NO	55.220	110	0.102	55.2

75-125
~~25-150~~

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_1.qld

Last Altered: Thursday, April 15, 2021 10:12:41 Pacific Daylight Time
Printed: Thursday, April 15, 2021 10:18:29 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_1, Date: 14-Apr-2021, Time: 09:46:50, ID: ST210414H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402, Task: ST210414H1_1

	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	24 2,4'-DDD	3.00e6	2.70e6	1.63	NO	1.07	1.000	37.89	1.000	1.000	NO	52.096	104	0.0647	52.1
2	25 2,4'-DDT	1.95e6	1.77e6	1.59	NO	1.05	1.000	39.02	1.000	1.000	NO	52.372	105	0.110	52.4
3	26 4,4'-DDD	2.80e6	2.29e6	1.61	NO	1.16	1.000	39.13	1.000	1.000	NO	52.622	105	0.0666	52.6
4	27 4,4'-DDT	1.71e6	1.44e6	1.58	NO	1.13	1.000	40.20	1.000	1.001	NO	52.345	105	0.110	52.3
5	36 13C6-Lindane (ga...	4.91e5	2.50e6	0.80	NO	0.194	1.000	26.54	1.020	1.019	NO	50.691	101	0.165	
6	40 13C12-Aldrin	4.25e5	2.50e6	1.55	NO	0.154	1.000	30.77	1.182	1.181	NO	55.191	110	0.0674	
7	41 13C10-Oxychlorda...	1.17e5	2.50e6	1.64	NO	0.0404	1.000	33.34	1.281	1.280	NO	57.685	115	0.257	

Quantify Sample Summary Report **MassLynx 4.1 SCN815**
Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_1.qld

Last Altered: Thursday, April 15, 2021 10:12:41 Pacific Daylight Time
Printed: Thursday, April 15, 2021 10:18:40 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_1, Date: 14-Apr-2021, Time: 09:46:50, ID: ST210414H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402, Task: ST210414H1_1

	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec 50-150	DL	EMPC
1	43 13C10-trans-Chlor...	1.04e5	2.50e6	1.48	NO	0.0358	1.000	35.03	1.346	1.344	NO	57.832	116	0.290	
2	44 13C10-trans-Nona...	1.20e5	2.03e6	1.61	NO	0.0638	1.000	35.21	0.983	0.983	NO	46.453	92.9	0.0983	
3	46 13C12-2,4'-DDE	2.85e6	2.03e6	1.59	NO	1.43	1.000	35.67	0.996	0.995	NO	48.874	97.7	0.0263	
4	47 13C12-4,4'-DDE	2.12e6	2.03e6	1.58	NO	0.995	1.000	36.74	1.025	1.026	NO	52.468	105	0.0380	
5	48 13C12-Dieldrin	2.69e5	2.03e6	1.59	NO	0.146	1.000	37.25	1.040	1.040	NO	45.179	90.4	0.0908	
6	50 13C10-cis-Nonach...	1.43e5	2.03e6	1.57	NO	0.0791	1.000	38.93	1.086	1.087	NO	44.466	88.9	0.168	
7	52 13C12-2,4'-DDD	2.70e6	2.03e6	1.58	NO	1.35	1.000	37.87	1.057	1.057	NO	49.131	98.3	0.0681	
8	53 13C12-2,4'-DDT	1.77e6	2.03e6	1.82	NO	0.962	1.000	39.00	1.088	1.089	NO	45.382	90.8	0.0957	
9	54 13C12-4,4'-DDD	2.29e6	2.03e6	1.59	NO	1.12	1.000	39.12	1.092	1.092	NO	50.076	100	0.0819	
10	55 13C12-4,4'-DDT	1.44e6	2.03e6	1.58	NO	0.735	1.000	40.19	1.122	1.122	NO	48.365	96.7	0.125	
11	62 13C-PCB-15	2.50e6	2.50e6	1.54	NO	1.00	1.000	26.02	1.000	1.000	NO	50.000	100	0.0202	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_1.qld

Last Altered: Thursday, April 15, 2021 10:12:41 Pacific Daylight Time
Printed: Thursday, April 15, 2021 10:18:44 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_1, Date: 14-Apr-2021, Time: 09:46:50, ID: ST210414H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402, Task: ST210414H1_1

	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	63 13C-PCB-60	2.03e6	2.03e6	0.81	NO	1.00	1.000	35.83	1.000	1.000	NO	50.000	100	0.0290	

Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Thursday, April 15, 2021 11:52:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 11:53:20 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Compound name: Hexachlorobutadiene

	Name	ID	Acq.Date	Acq.Time
1	210414H1_1	ST210414H1_1 1699 CS3 21C0402	14-Apr-21	09:46:50
2	210414H1_2	GC210414H1_1 GC BREAK	14-Apr-21	10:36:48
3	210414H1_3	B1D0036-BS1 OPR 1	14-Apr-21	11:28:28
4	210414H1_4	SOLVENT BLANK	14-Apr-21	12:15:16
5	210414H1_5	B1D0036-BLK1 Method Blank 1	14-Apr-21	13:03:34
6	210414H1_6	2103216-01RE1 USMPDI-058RAB-00-10-210...	14-Apr-21	13:51:53
7	210414H1_7	2103216-20RE1 USMPDI-067RAB-20-21.9-21...	14-Apr-21	14:40:13
8	210414H1_8	2103216-19RE1 USMPDI-067RAB-10-20-210...	14-Apr-21	15:28:35
9	210414H1_9	2103216-15RE1 USMPDI-066RAB-00-10-210...	14-Apr-21	16:16:56
10	210414H1_10	2103216-14RE1 USMPDI-1064RAB-10-20-21...	14-Apr-21	17:05:15
11	210414H1_11	2103216-13RE1 USMPDI-064RAB-20-23.4-21...	14-Apr-21	17:53:33
12	210414H1_12	2103216-12RE1 USMPDI-064RAB-10-20-210...	14-Apr-21	18:41:50
13	210414H1_13	2103216-10RE1 USMPDI-1060RAB-00-10-21...	14-Apr-21	19:30:15
14	210414H1_14	2103216-09RE1 USMPDI-060RAB-20-28.1-21...	14-Apr-21	20:18:36
15	210414H1_15	2103216-07RE1 USMPDI-060RAB-00-10-210...	14-Apr-21	21:07:02

HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calbration ID: ST210414H1-1 **Reviewed By:** HN 04/17/21

Initials & Date

End Calibration ID: NA

	Beg.	End
Ion abundance within QC limits?	☑	☑ NA
Concentrations within criteria?	☑	☐
TCDD/TCDF Valleys <25%	☑ NA	☐
First and last eluters present?	☑ NA	☐
Retention Times within criteria?	☑	☐
Verification Std. named correctly? (ST-Year-Month-Day-VG ID)	☑	☐
Forms signed and dated?	☑	☑
Correct ICAL referenced?	DF	
Run Log:		
- Correct instrument listed?	☑	☑
- Samples within 12 hour clock?	(Y)	N
- Bottle position verfied?	DF	

	Beg.	End (A) (B)
Mass resolution ≥	☑	☑
☐ 5k ☒ 6-8K ☐ 8K ☐ 10K 1614 1699 429 1613/1668/8280		
Intergrated peaks display correctly?	☑	☑ NA
GC Break <20% ☑ NA		

8280 CS1 End Standard:

- Ratios within limits, S/N <2.5:1, CS1 within 12 hours		☑ NA

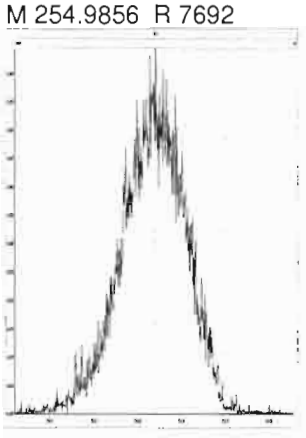
Comments:

(A) Column bleed in one mass
(A) Some masses did not centroid

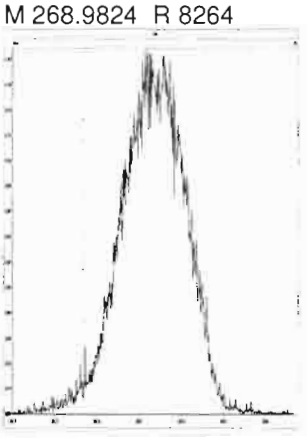
File: Experiment: 1699_zb50_10k.exp Reference: Pfk.ref Function: 1 @ 250 (ppm)

Printed: Wednesday, April 14, 2021 09:41:14 Pacific Daylight Time

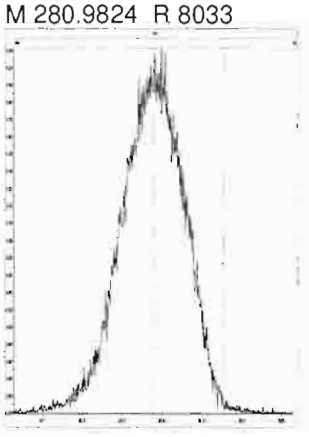
M 254.9856 R 7692



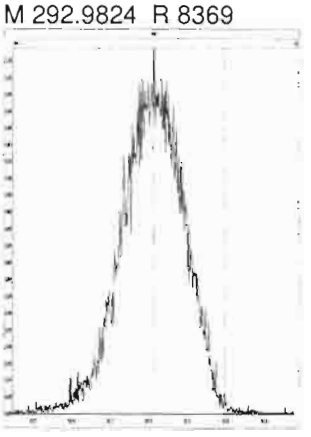
M 268.9824 R 8264



M 280.9824 R 8033



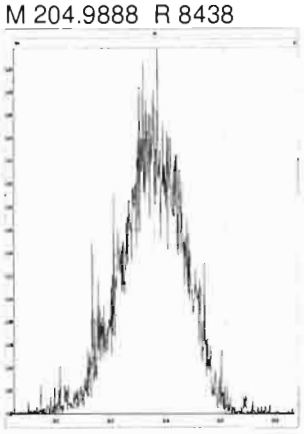
M 292.9824 R 8369



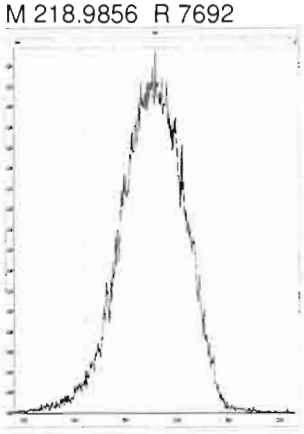
File: Experiment: 1699_zb50_10k.exp Reference: Pfk.ref Function: 2 @ 250 (ppm)

Printed: Wednesday, April 14, 2021 09:41:52 Pacific Daylight Time

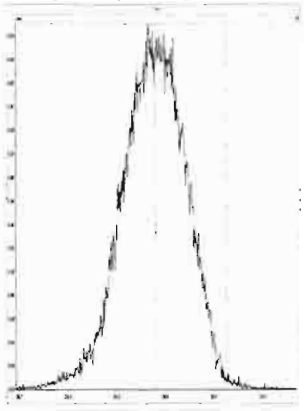
M 204.9888 R 8438



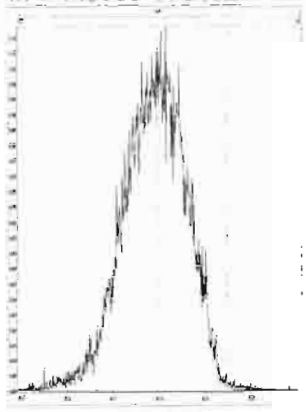
M 218.9856 R 7692



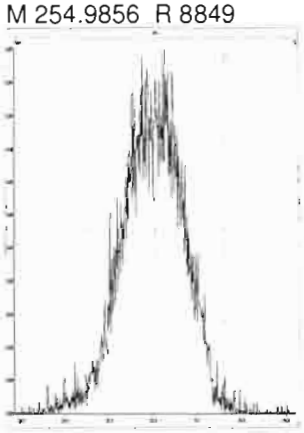
M 230.9856 R 8097



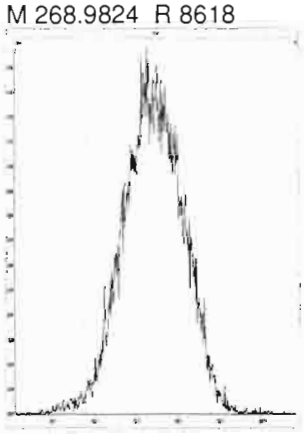
M 242.9856 R 8402



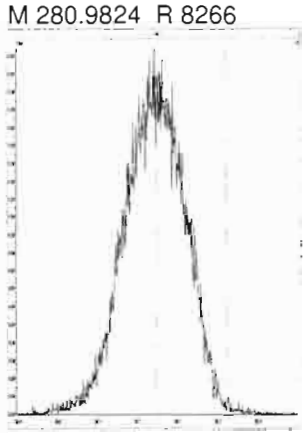
M 254.9856 R 8849



M 268.9824 R 8618



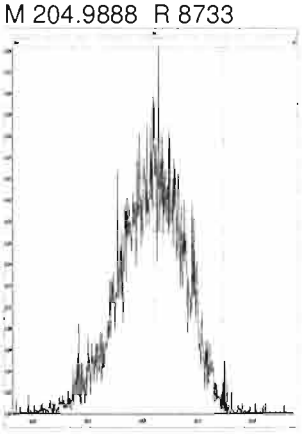
M 280.9824 R 8266



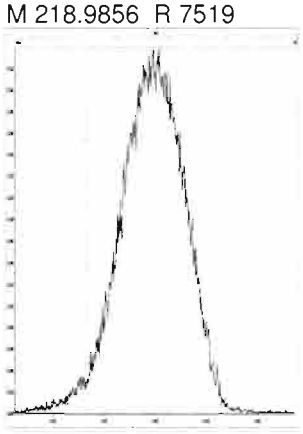
File: Experiment: 1699_zb50_10k.exp Reference: Pfk.ref Function: 3 @ 250 (ppm)

Printed: Wednesday, April 14, 2021 09:42:41 Pacific Daylight Time

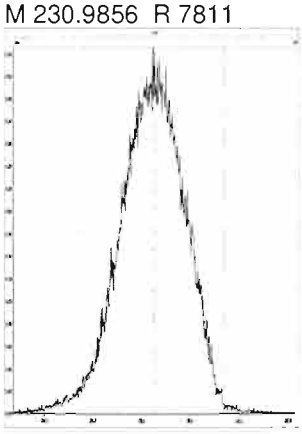
M 204.9888 R 8733



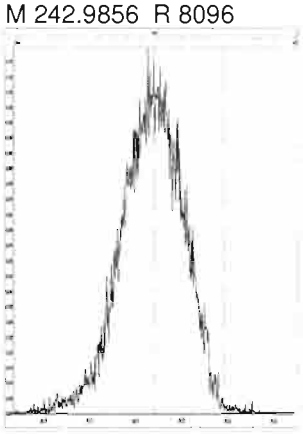
M 218.9856 R 7519



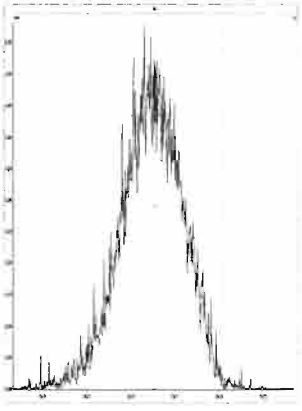
M 230.9856 R 7811



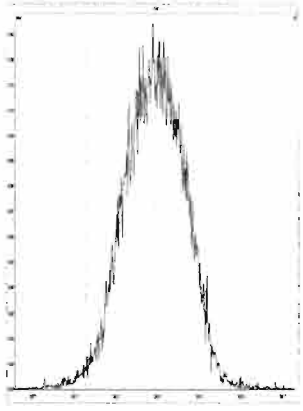
M 242.9856 R 8096



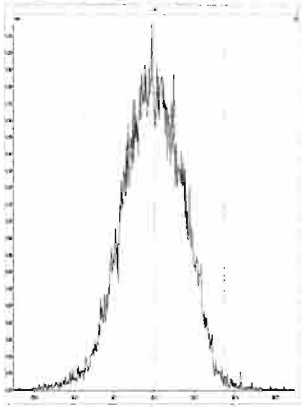
M 254.9856 R 8733



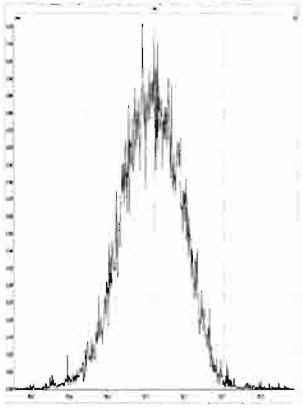
M 268.9824 R 8508



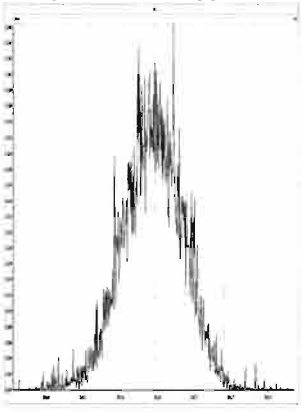
M 280.9824 R 8619



M 292.9824 R 8473



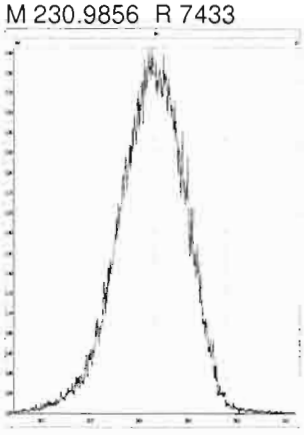
M 304.9824 R 8658



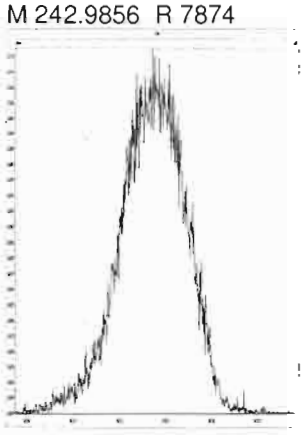
File: Experiment: 1699_zb50_10k.exp Reference: Pfk.ref Function: 4 @ 250 (ppm)

Printed: Wednesday, April 14, 2021 09:43:29 Pacific Daylight Time

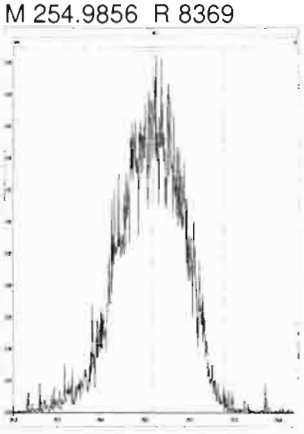
M 230.9856 R 7433



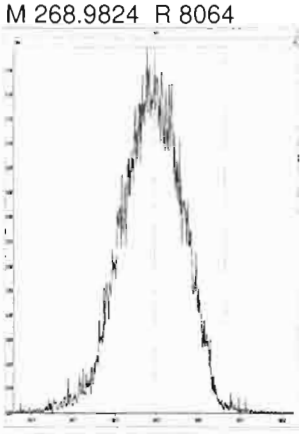
M 242.9856 R 7874



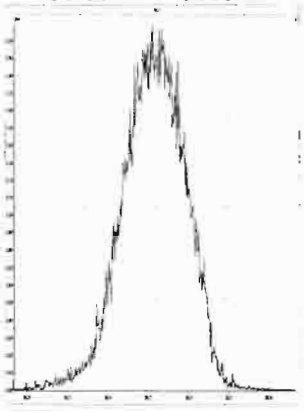
M 254.9856 R 8369



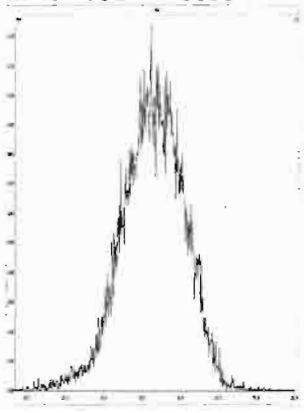
M 268.9824 R 8064



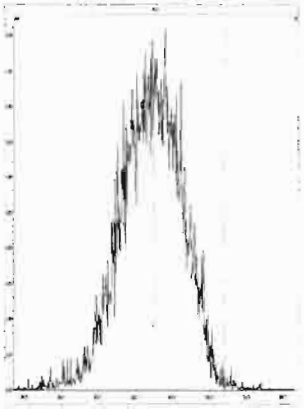
M 280.9824 R 8163



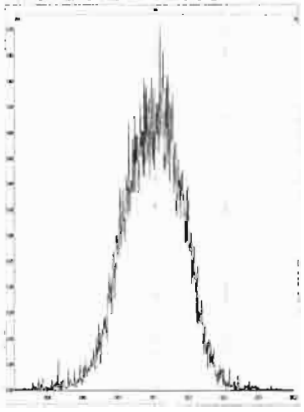
M 292.9824 R 8000



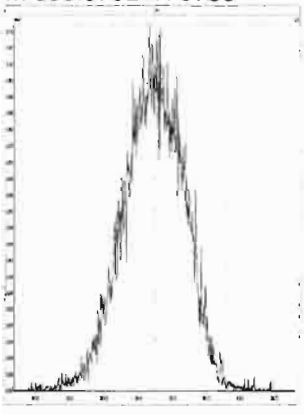
M 304.9824 R 8773



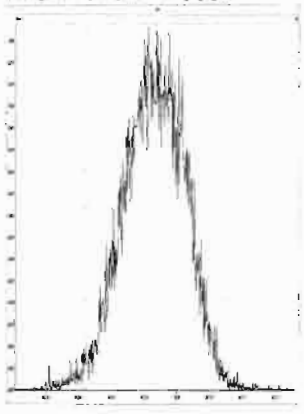
M 318.9792 R 8367



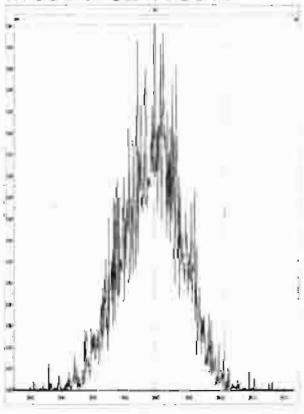
M 330.9792 R 8733



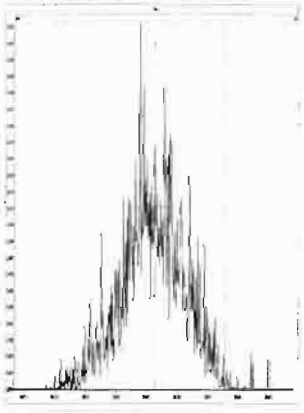
M 342.9792 R 8584



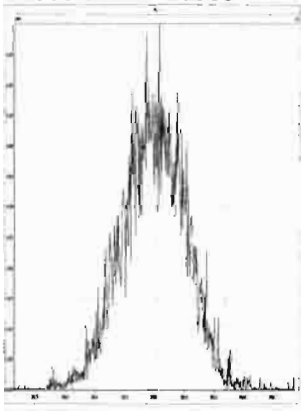
M 354.9792 R 8619



M 366.9792 R 8332



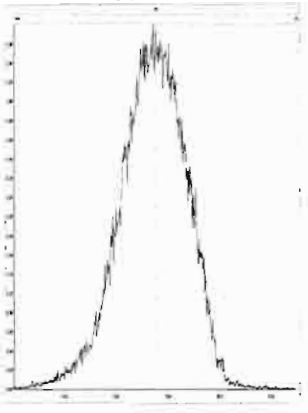
M 380.9760 R 8368



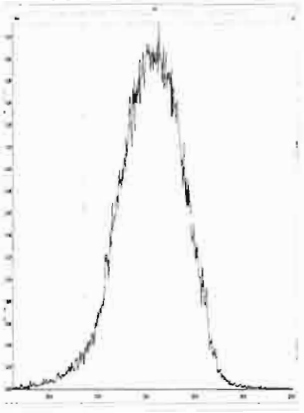
File: Experiment: 1699_zb50_10k.exp Reference: Pfk.ref Function: 5 @ 250 (ppm)

Printed: Wednesday, April 14, 2021 09:44:13 Pacific Daylight Time

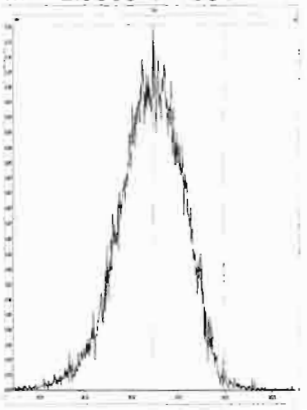
M 218.9856 R 7632



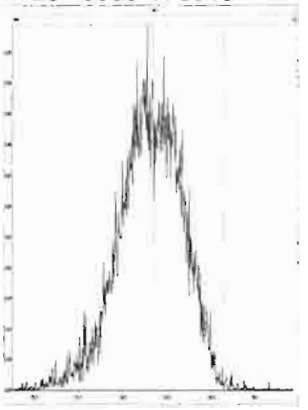
M 230.9856 R 7406



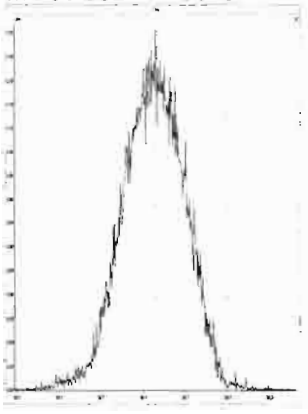
M 242.9856 R 7934



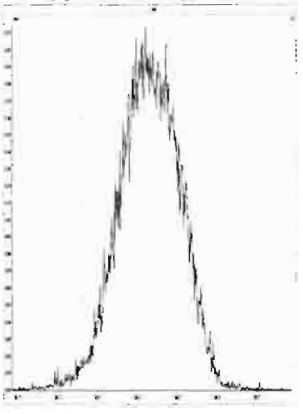
M 254.9856 R 8545



M 268.9824 R 8619



M 280.9824 R 8229



Vista Analytical Laboratory VG-10

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_2.qld

Last Altered: Thursday, April 15, 2021 11:11:37 Pacific Daylight Time
Printed: Thursday, April 15, 2021 11:52:18 Pacific Daylight Time

PF04/17/21
HN04/17/21
D

Method: U:\vg10.PRO\MethDB\1699_GC-break.mdb 13 Apr 2021 10:33:50
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_2, Date: 14-Apr-2021, Time: 10:36:48, ID: GC210414H1_1 GC BREAK, Description: GC BREAK

	#	Name	Resp	RA	n/y	RT
1	1	Endrin Aldehyde	3.33e3	0.61	NO	40.80
2	2	Endrin Ketone	4.42e3	0.61	NO	43.99
3	3	Endrin	4.37e5	1.59	NO	38.68
4	4	4,4'-DDE	9.48e3	1.27	NO	36.75
5	5	4,4'-DDD	4.72e4	1.49	NO	39.15
6	6	4,4'-DDT	6.54e6	1.64	NO	40.21

$\frac{EA+EK}{KE} \times 100\% = 1.77\%$

$\frac{DDE+DDD}{DDT} \times 100\% = 0.86\%$

Vista Analytical Laboratory VG-10

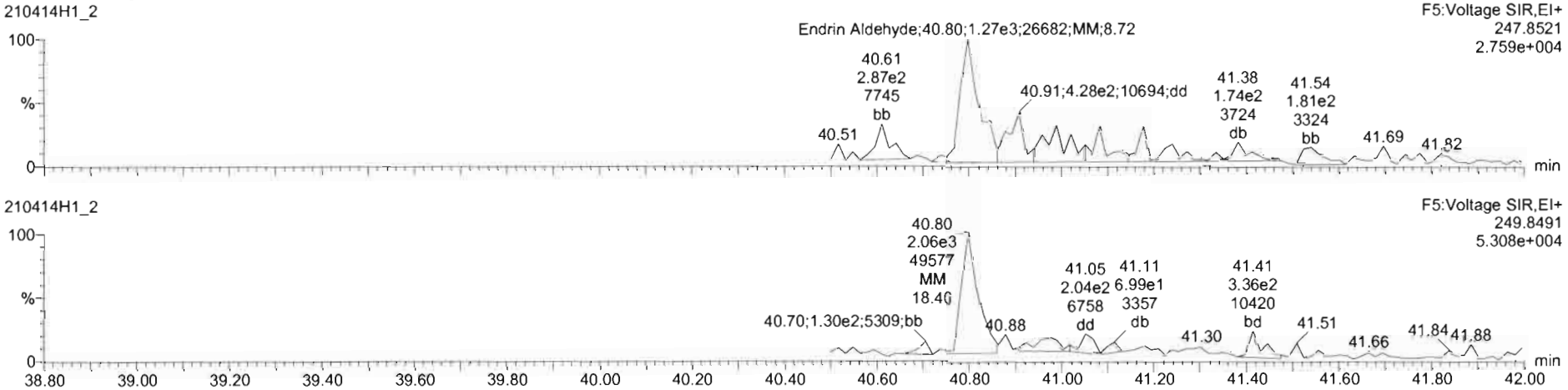
Dataset: U:\vg10.PRO\Results\210414H1\210414H1_2.qld

Last Altered: Thursday, April 15, 2021 11:11:37 Pacific Daylight Time
Printed: Thursday, April 15, 2021 11:52:18 Pacific Daylight Time

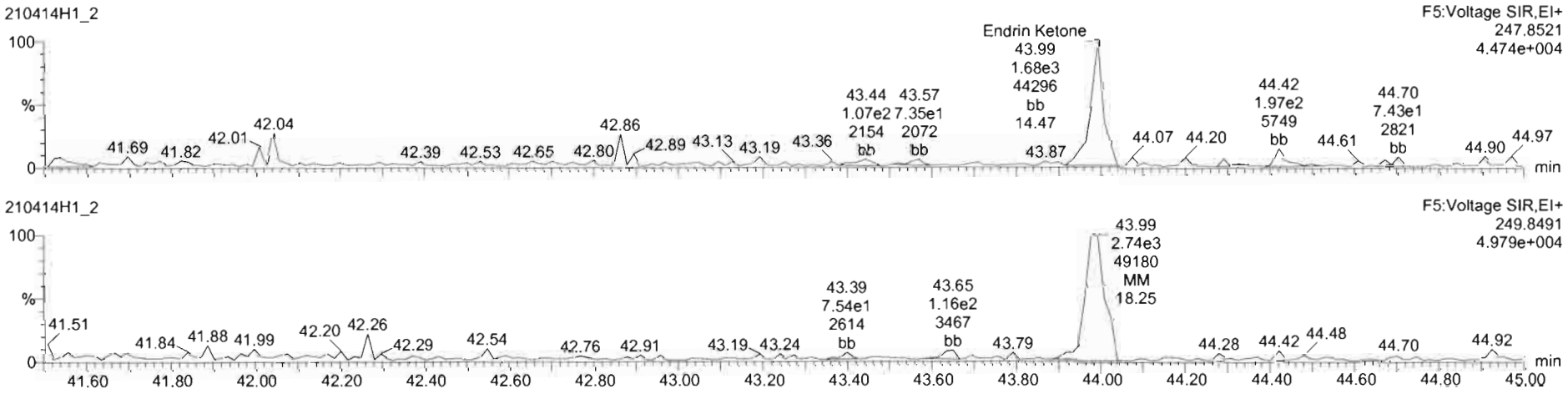
Method: U:\vg10.PRO\MethDB\1699_GC-break.mdb 13 Apr 2021 10:33:50
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_2, Date: 14-Apr-2021, Time: 10:36:48, ID: GC210414H1_1 GC BREAK, Description: GC BREAK

Endrin Aldehyde



Endrin Ketone

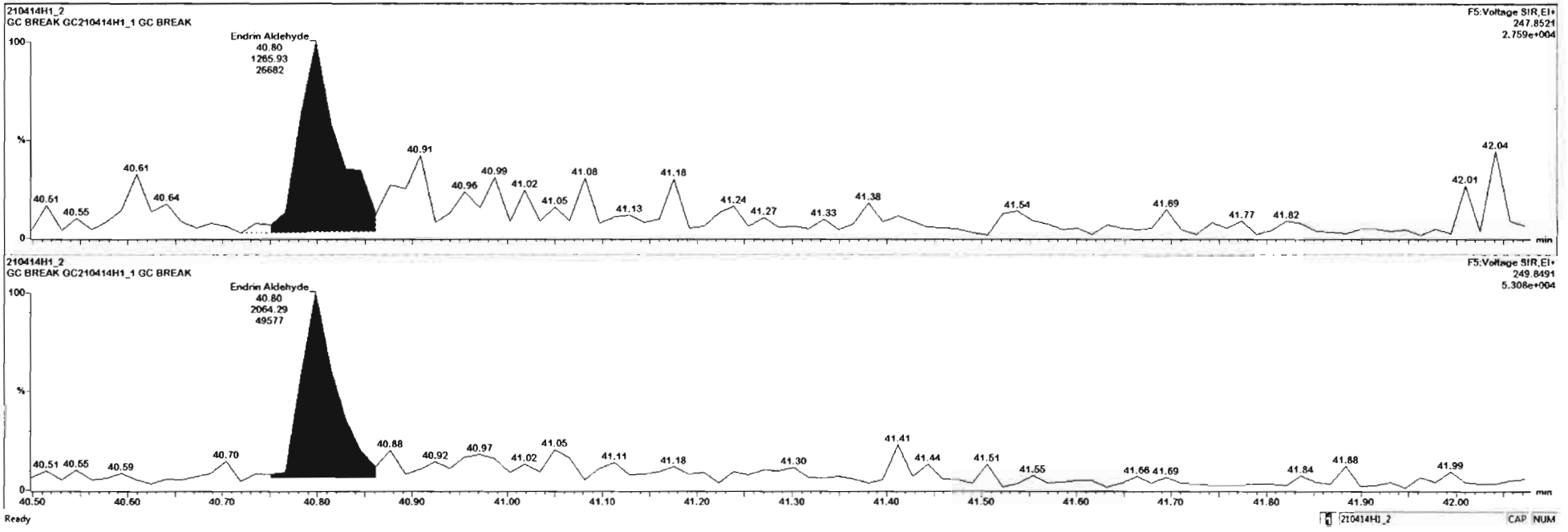


TargetLynx - untitled * - [Chromatogram]

File Edit View Display Processing Window Help

210414H1_2 - GC210414H1_1 GC BREAK - GC BREAK

	#	Name	Resp	IS AREA	RA	rdy	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
1	1	Endrin Aldehyde	3.33e3		0.61	NO		1.0000	40.80	40.81	0.000	0.000	NO				
2	2	Endrin Ketone	4.43e3		0.81	NO		1.0000	43.99	43.99	0.000	0.000	NO				
3	3	Endrin	4.37e5		1.59	NO		1.0000	38.68	38.68	0.000	0.000	NO				
4	4	4,4'-DDE	1.08e4		1.14	YES		1.0000	36.75	36.77	0.000	0.000	NO				
5	5	4,4'-DDD	4.66e4		1.45	NO		1.0000	39.15	39.15	0.000	0.000	NO				
6	6	4,4'-DDT	6.54e6		1.64	NO		1.0000	40.20	40.20	0.000	0.000	NO				
7	7	PFK4						1.0000		16.00		0.000	NO				
8	8	PFK5															

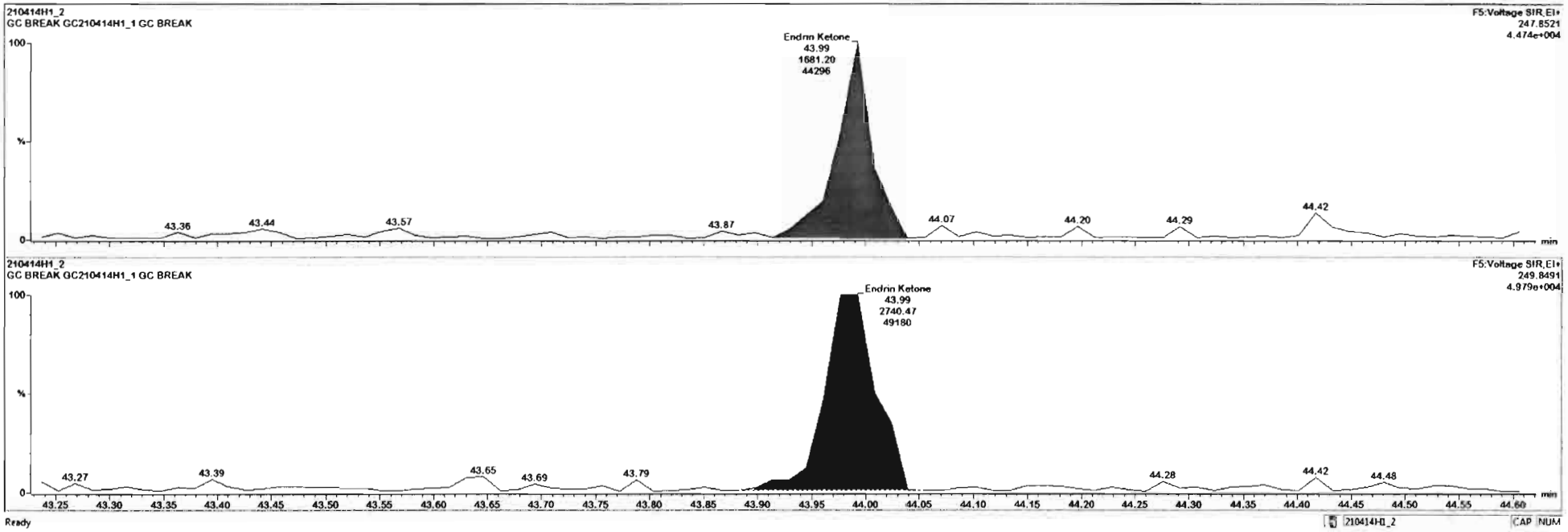


TargetLynx - untitled *

File Edit View Display Processing Window Help

210414H1_2 - GC210414H1_1 GC BREAK - GC BREAK

	#	Name	Resp	IS AREA	RA	n/y	REF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
1	1	Endrin Aldehyde	3.33e3		0.61	NO		1.0000	40.80	40.81	0.000	0.000	NO				
2	2	Endrin Ketone	4.42e3		0.61	NO		1.0000	43.99	43.99	0.000	0.000	NO				
3	3	Endrin	4.37e5		1.59	NO		1.0000	38.68	38.68	0.000	0.000	NO				
4	4	4,4'-DDE	1.08e4		1.14	YES		1.0000	36.75	36.77	0.000	0.000	NO				
5	5	4,4'-DDD	4.66e4		1.45	NO		1.0000	39.15	39.15	0.000	0.000	NO				
6	6	4,4'-DDT	6.54e6		1.64	NO		1.0000	40.20	40.20	0.000	0.000	NO				
7	7	PFK4						1.0000		16.00		0.000	NO				
8	8	PFK5															



Ready

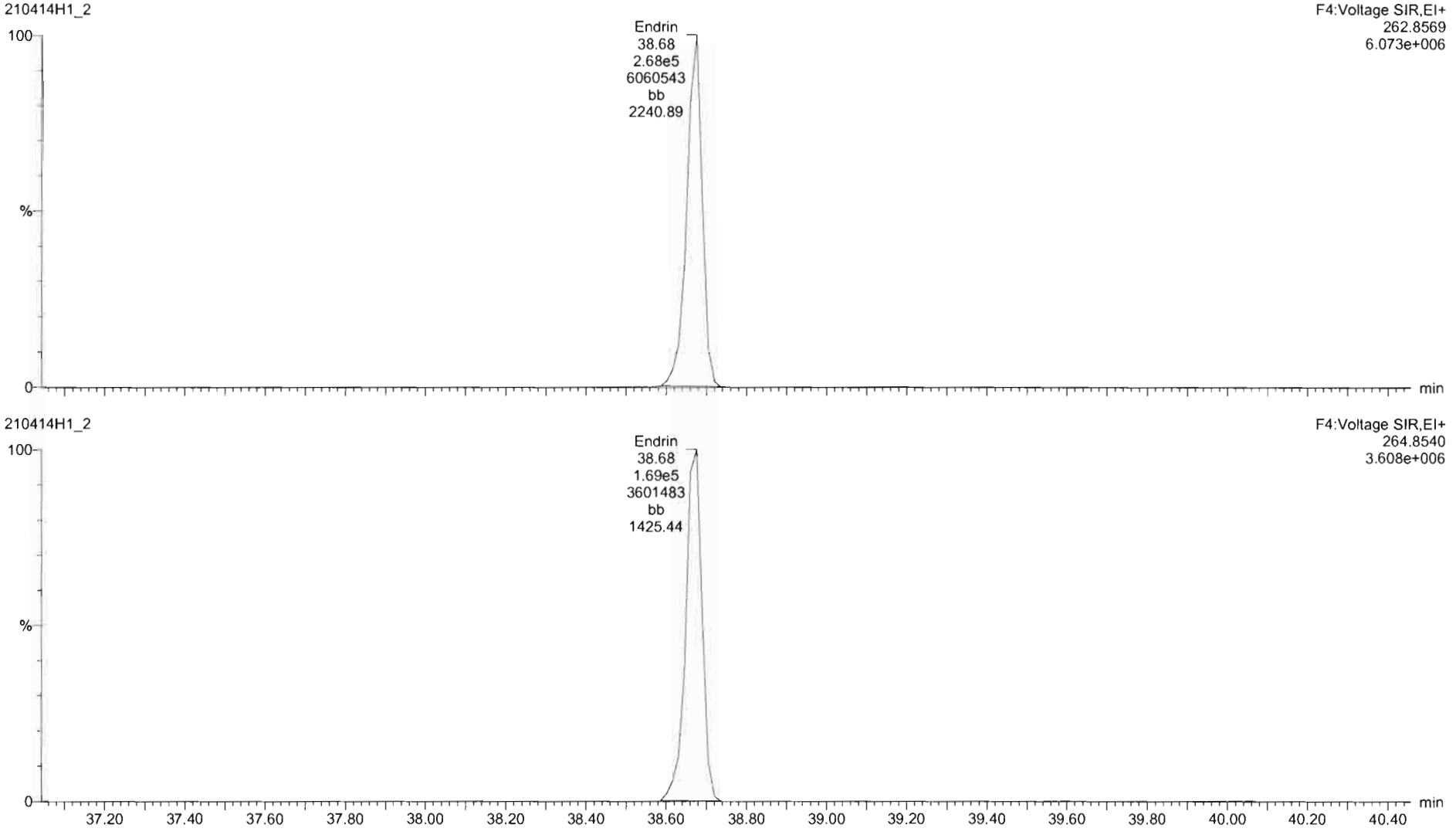
210414H1_2 CAP NUM

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_2.qld

Last Altered: Thursday, April 15, 2021 11:11:37 Pacific Daylight Time
Printed: Thursday, April 15, 2021 11:52:18 Pacific Daylight Time

Name: 210414H1_2, Date: 14-Apr-2021, Time: 10:36:48, ID: GC210414H1_1 GC BREAK, Description: GC BREAK

Endrin

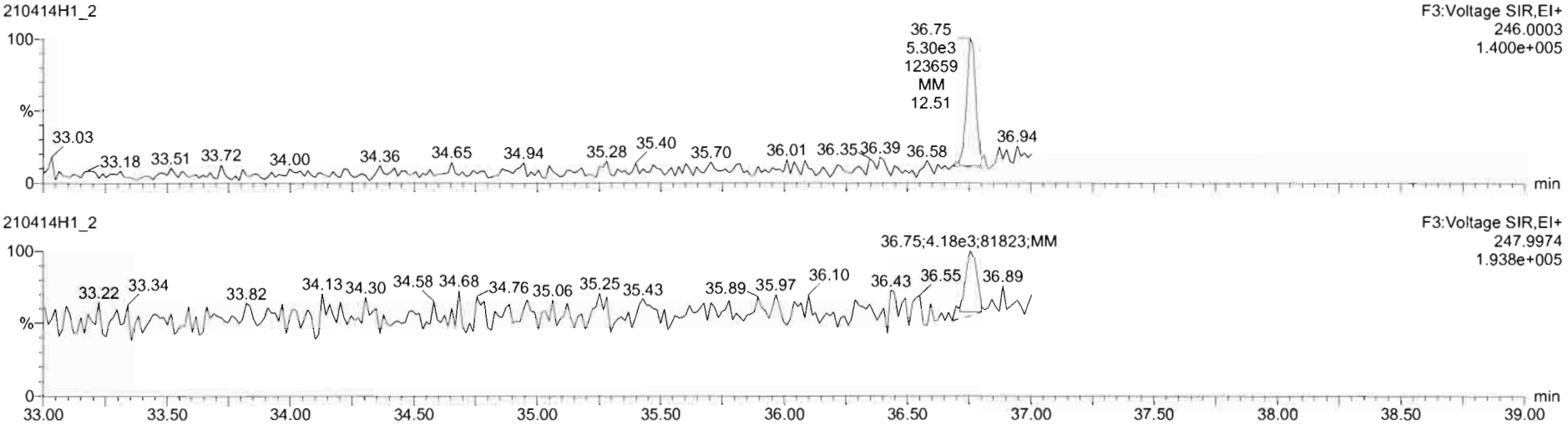


Dataset: U:\vg10.PRO\Results\210414H1\210414H1_2.qld

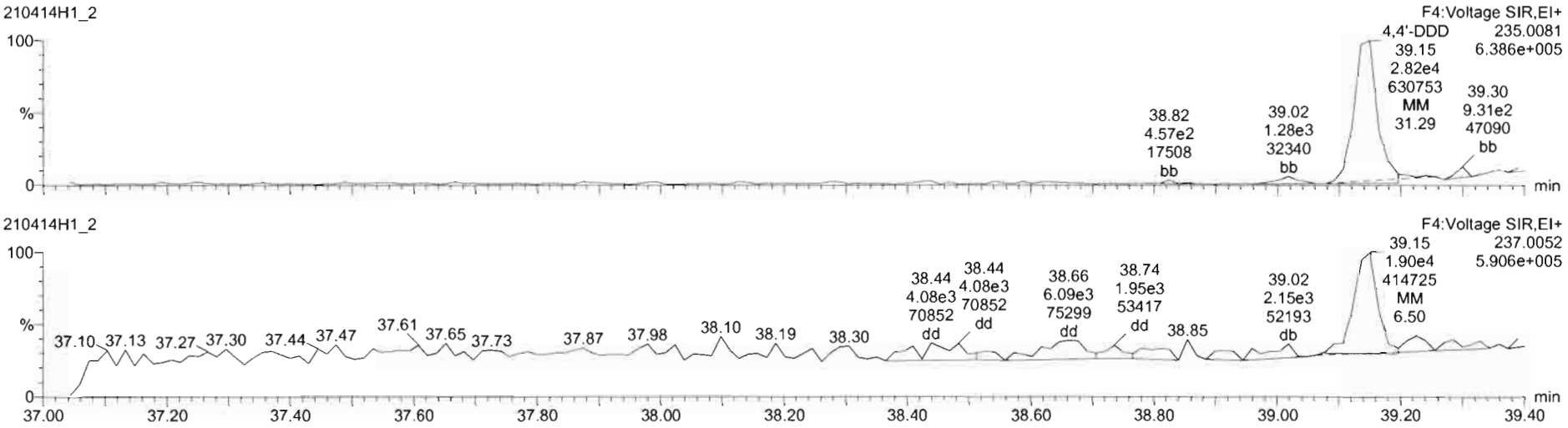
Last Altered: Thursday, April 15, 2021 11:11:37 Pacific Daylight Time
Printed: Thursday, April 15, 2021 11:52:18 Pacific Daylight Time

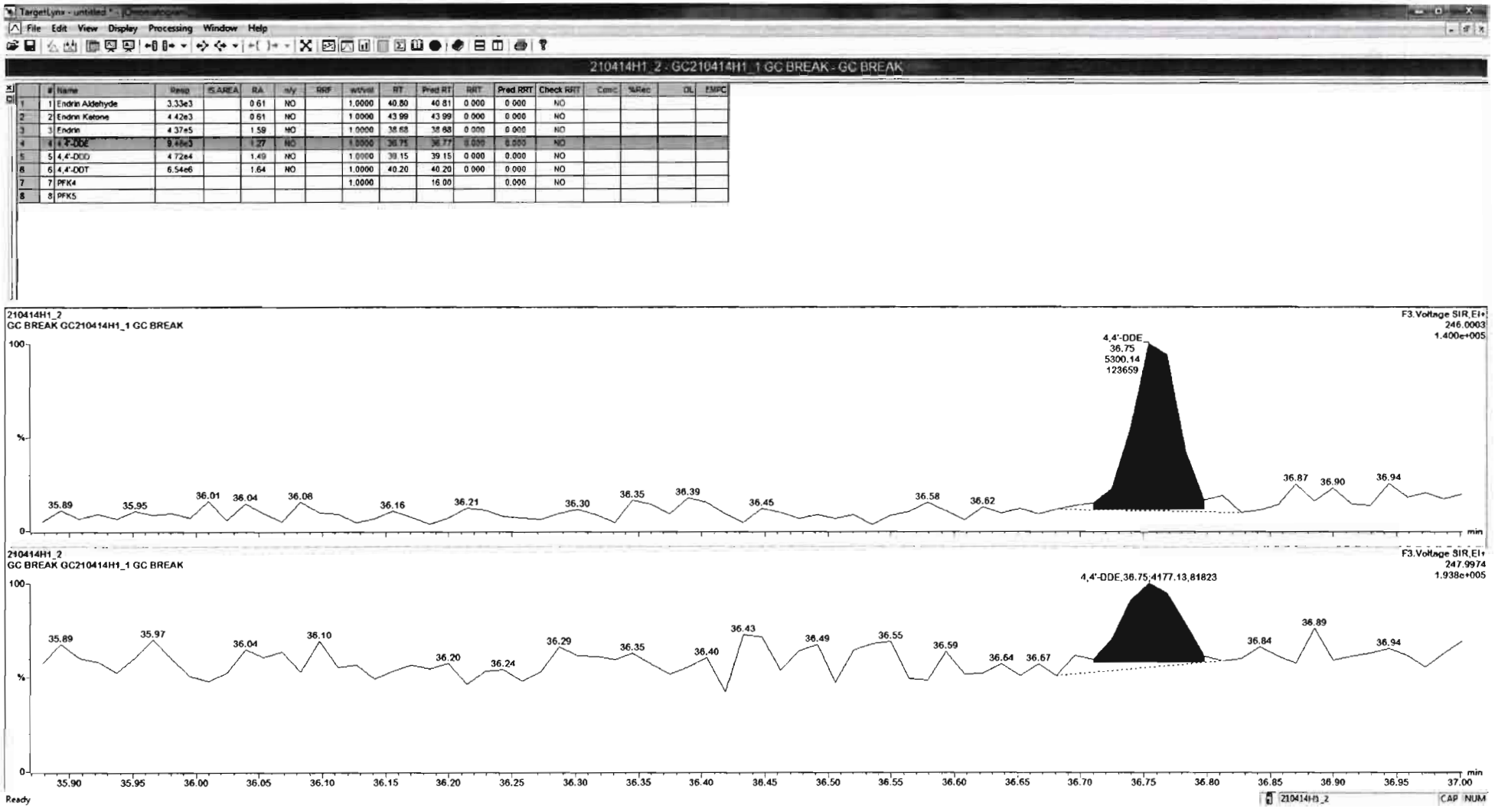
Name: 210414H1_2, Date: 14-Apr-2021, Time: 10:36:48, ID: GC210414H1_1 GC BREAK, Description: GC BREAK

4,4'-DDE



4,4'-DDD





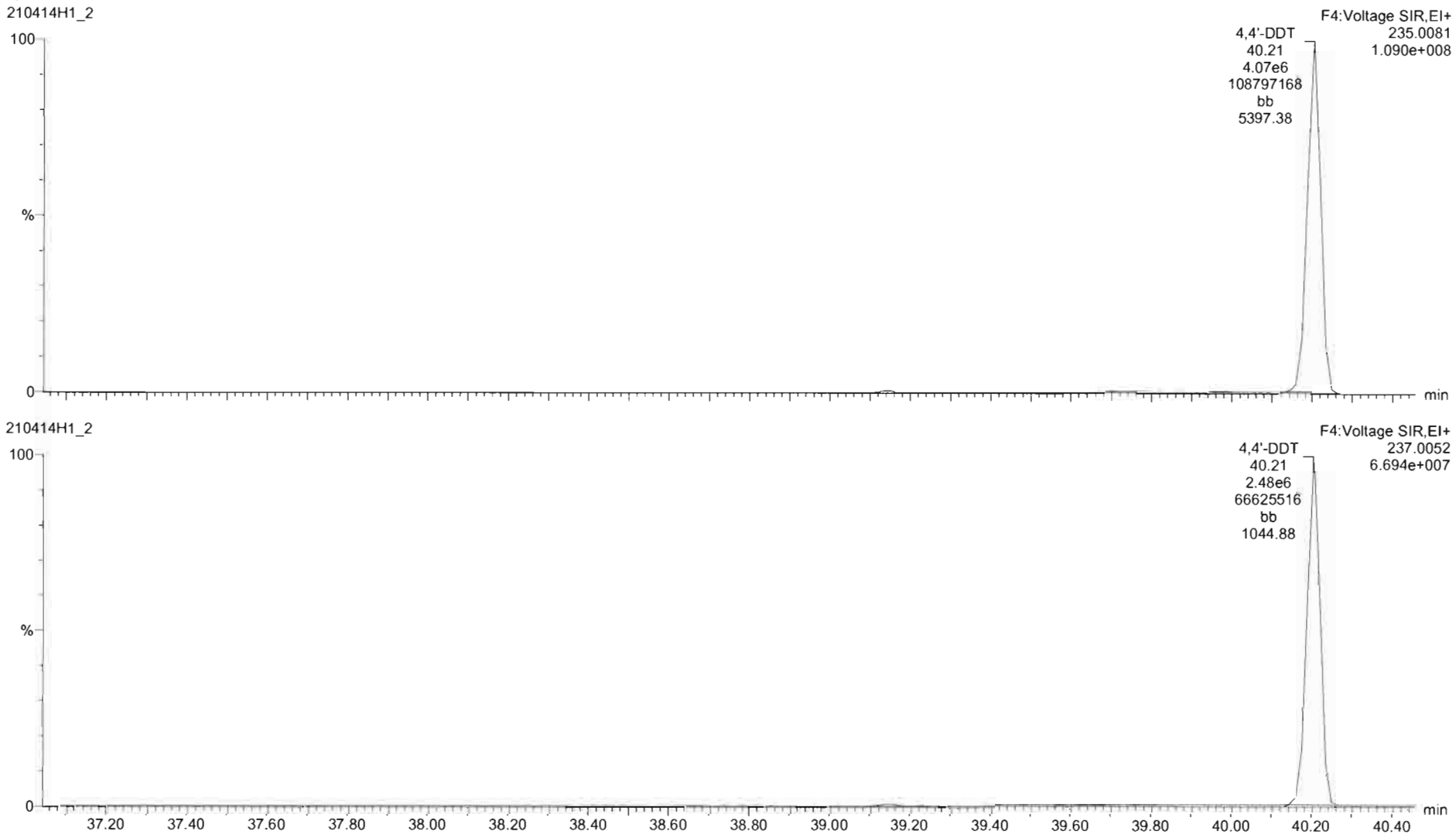
	#	Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
1	1	Endrin Aldehyde	3.33e3		0.61	NO		1.0000	40.80	40.81	0.000	0.000	NO				
2	2	Endrin Ketone	4.42e3		0.61	NO		1.0000	43.99	43.99	0.000	0.000	NO				
3	3	Endrin	4.37e5		1.59	NO		1.0000	38.68	38.68	0.000	0.000	NO				
4	4	4,4'-DDE	9.46e5		1.27	NO		1.0000	36.75	36.77	0.000	0.000	NO				
5	5	4,4'-DDD	4.72e4		1.49	NO		1.0000	39.15	39.15	0.000	0.000	NO				
6	6	4,4'-DDT	6.54e6		1.64	NO		1.0000	40.20	40.20	0.000	0.000	NO				
7	7	PFK4						1.0000		16.00		0.000	NO				
8	8	PFK5															

Dataset: U:\vg10.PRO\Results\210414H1\210414H1_2.qld

Last Altered: Thursday, April 15, 2021 11:11:37 Pacific Daylight Time
Printed: Thursday, April 15, 2021 11:52:18 Pacific Daylight Time

Name: 210414H1_2, Date: 14-Apr-2021, Time: 10:36:48, ID: GC210414H1_1 GC BREAK, Description: GC BREAK

4,4'-DDT

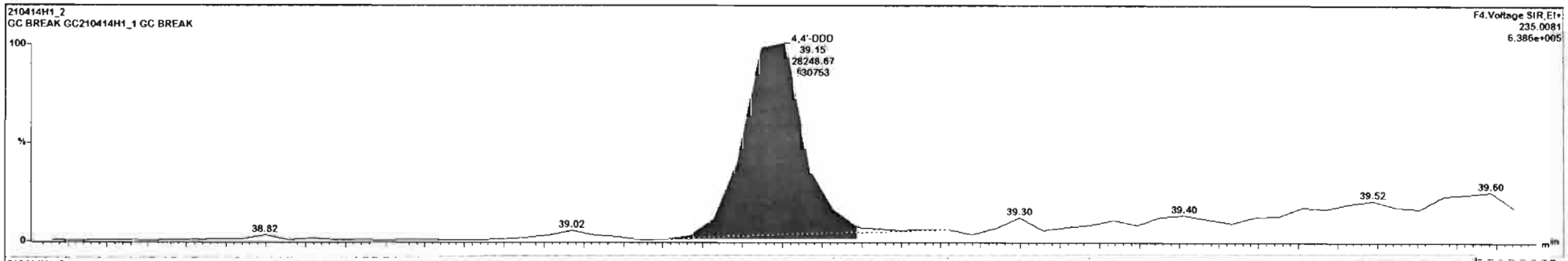


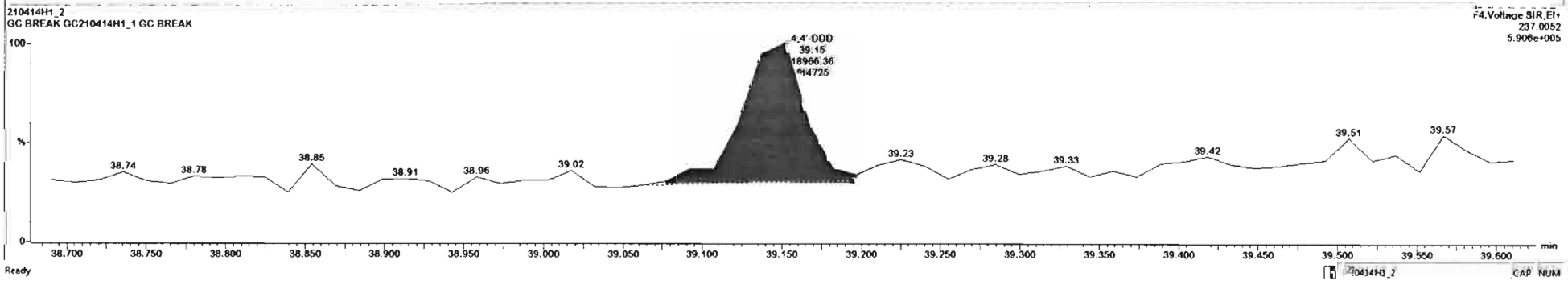
TargetLynx - untitled

File Edit View Display Processing Window Help

210414H1_2 - GC210414H1_1 GC BREAK - GC BREAK

	#	Name	Resp	IS AREA	CA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	QL	EMPC
1	1	Endrin Aldehyde	3.33e3		0.61	NO		1.0000	40.80	40.81	0.000	0.000	NO				
2	2	Endrin Ketone	4.42e3		0.61	NO		1.0000	43.99	43.99	0.000	0.000	NO				
3	3	Endrin	4.37e5		1.59	NO		1.0000	38.68	38.68	0.000	0.000	NO				
4	4	4,4'-DDE	9.48e3		1.27	NO		1.0000	36.75	36.77	0.000	0.000	NO				
5	5	4,4'-DDD	4.72e4		1.48	NO		1.0000	39.15	39.15	0.000	0.000	NO				
6	6	4,4'-DDT	6.54e6		1.64	NO		1.0000	40.20	40.20	0.000	0.000	NO				
7	7	PFK4						1.0000		16.00		0.000	NO				
8	8	PFK5															





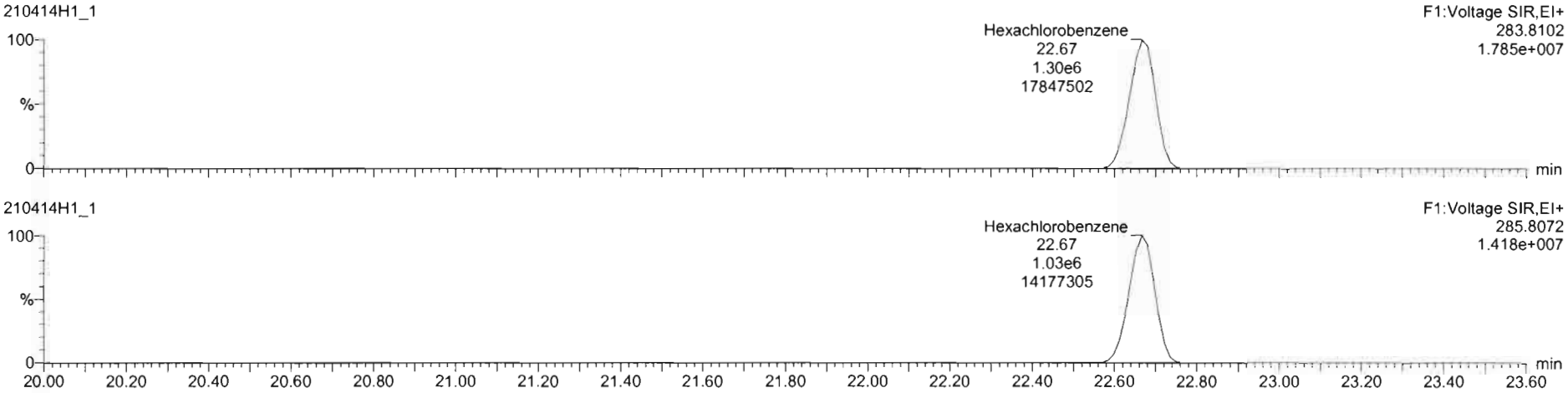
Dataset: U:\vg10.PRO\Results\210414H1\210414H1_1.qld

Last Altered: Wednesday, April 14, 2021 10:42:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 10:09:30 Pacific Daylight Time

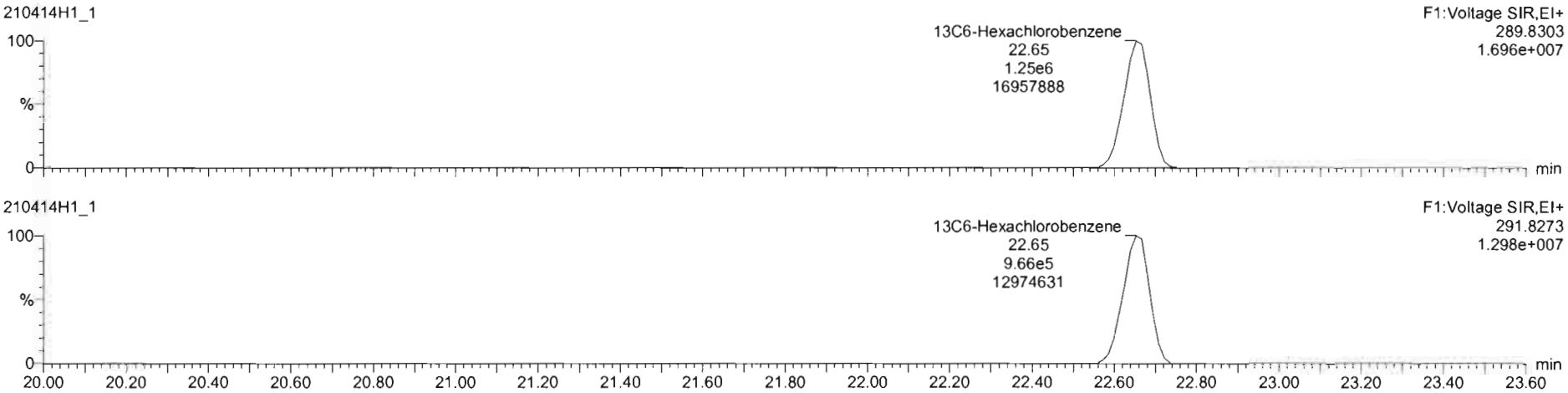
Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210414H1_1, Date: 14-Apr-2021, Time: 09:46:50, ID: ST210414H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

Hexachlorobenzene



13C6-Hexachlorobenzene

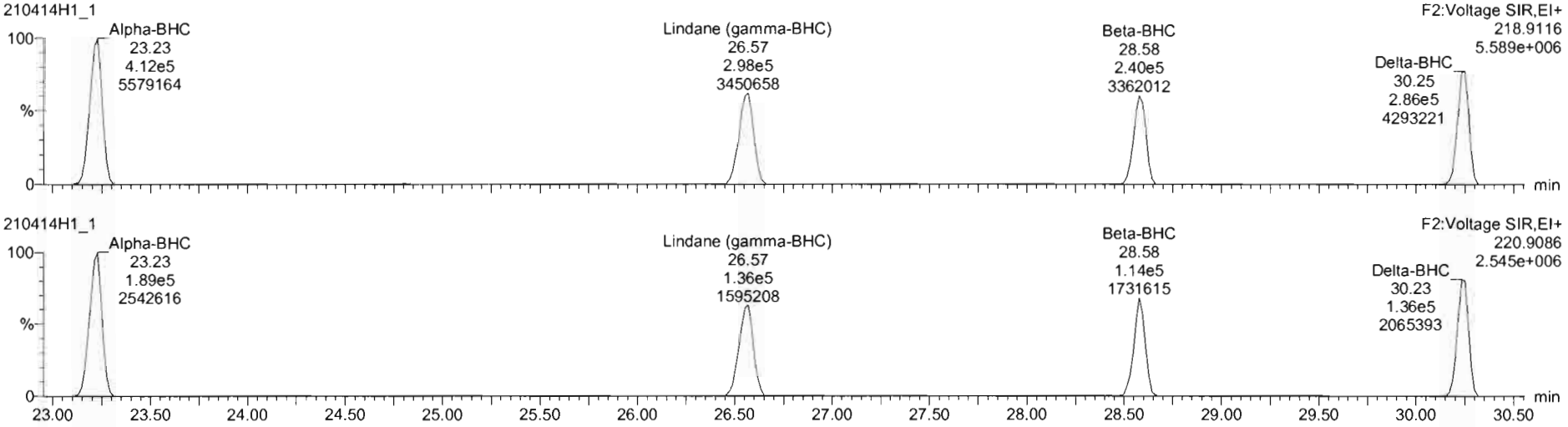


Dataset: U:\vg10.PRO\Results\210414H1\210414H1_1.qld

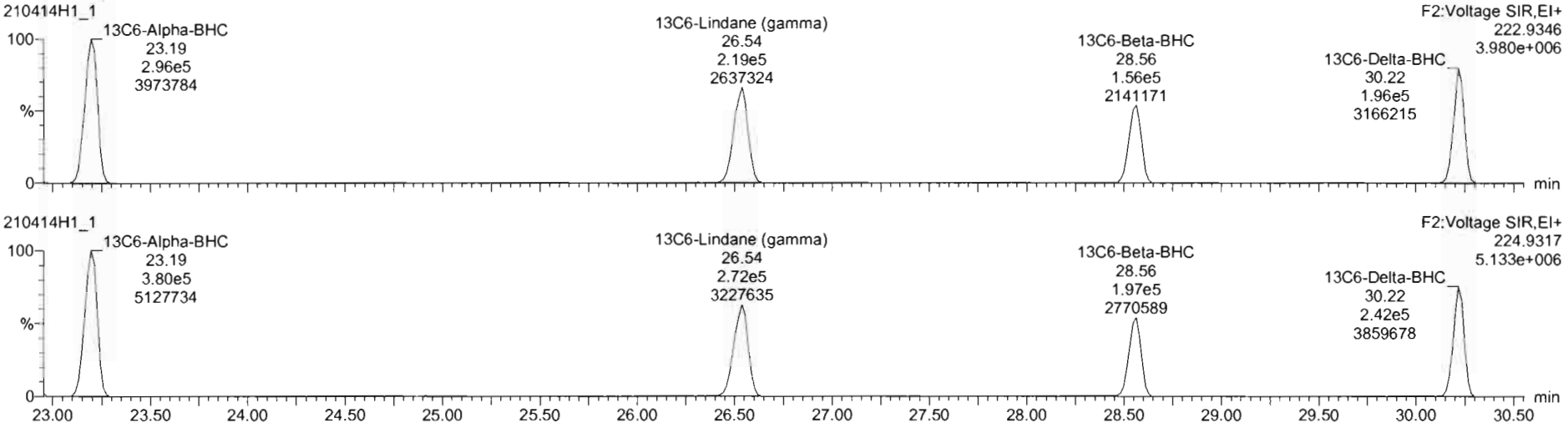
Last Altered: Wednesday, April 14, 2021 10:42:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 10:09:30 Pacific Daylight Time

Name: 210414H1_1, Date: 14-Apr-2021, Time: 09:46:50, ID: ST210414H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

BHC Totals



BHC-isotopes

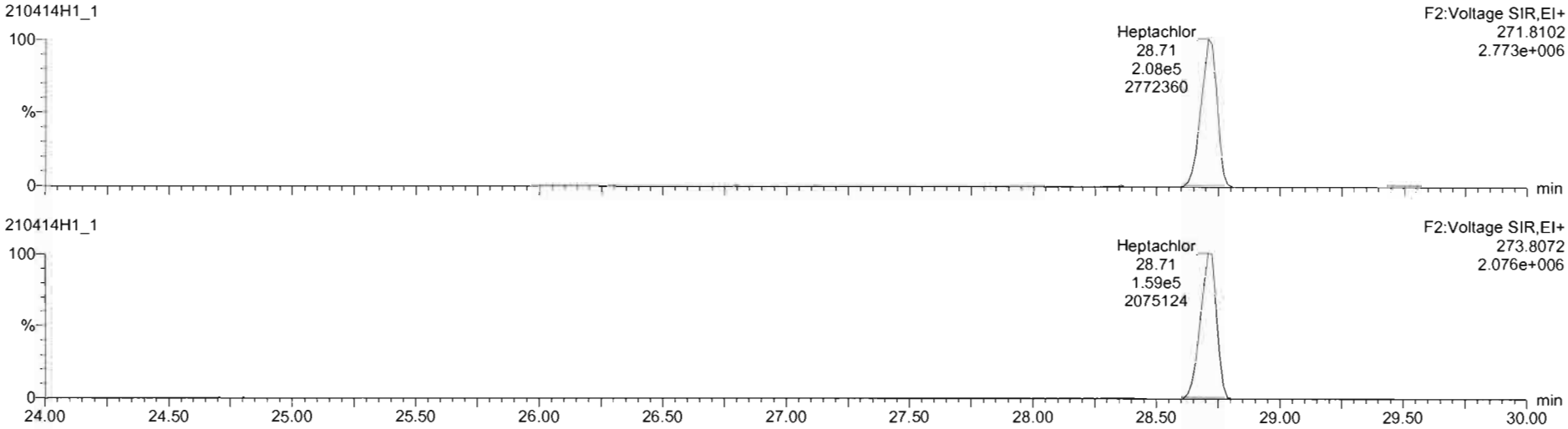


Dataset: U:\vg10.PRO\Results\210414H1\210414H1_1.qld

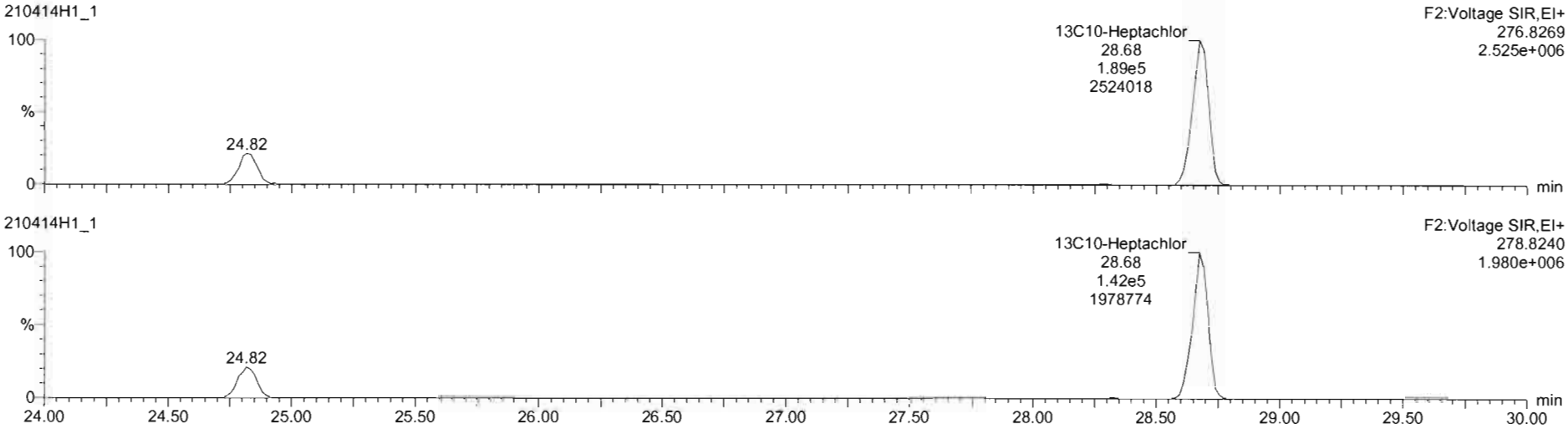
Last Altered: Wednesday, April 14, 2021 10:42:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 10:09:30 Pacific Daylight Time

Name: 210414H1_1, Date: 14-Apr-2021, Time: 09:46:50, ID: ST210414H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

Heptachlor



13C10-Heptachlor

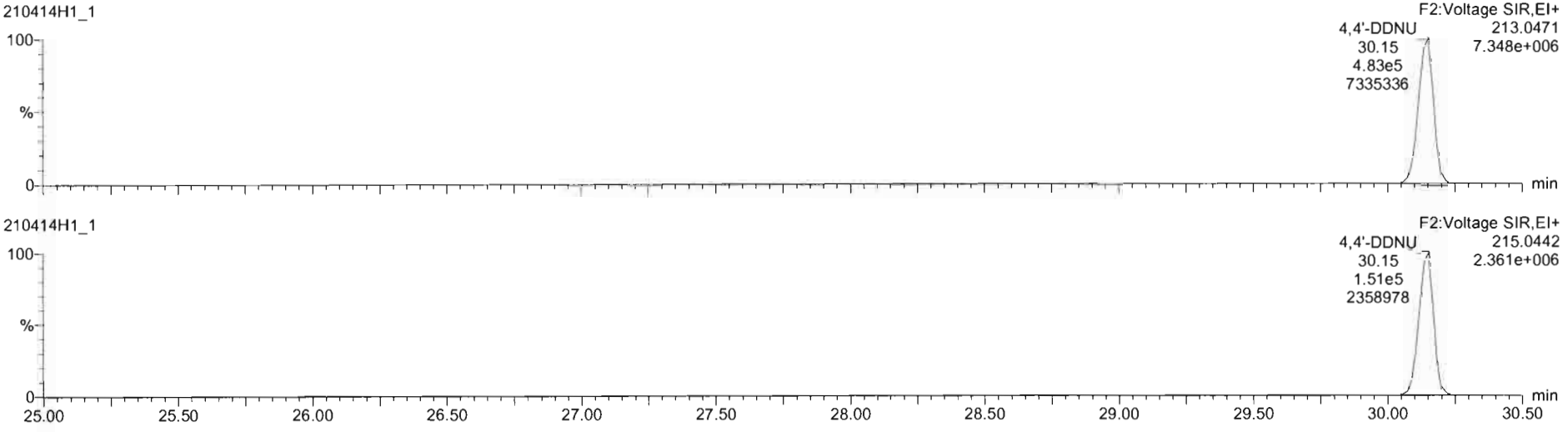


Dataset: U:\vg10.PRO\Results\210414H1\210414H1_1.qld

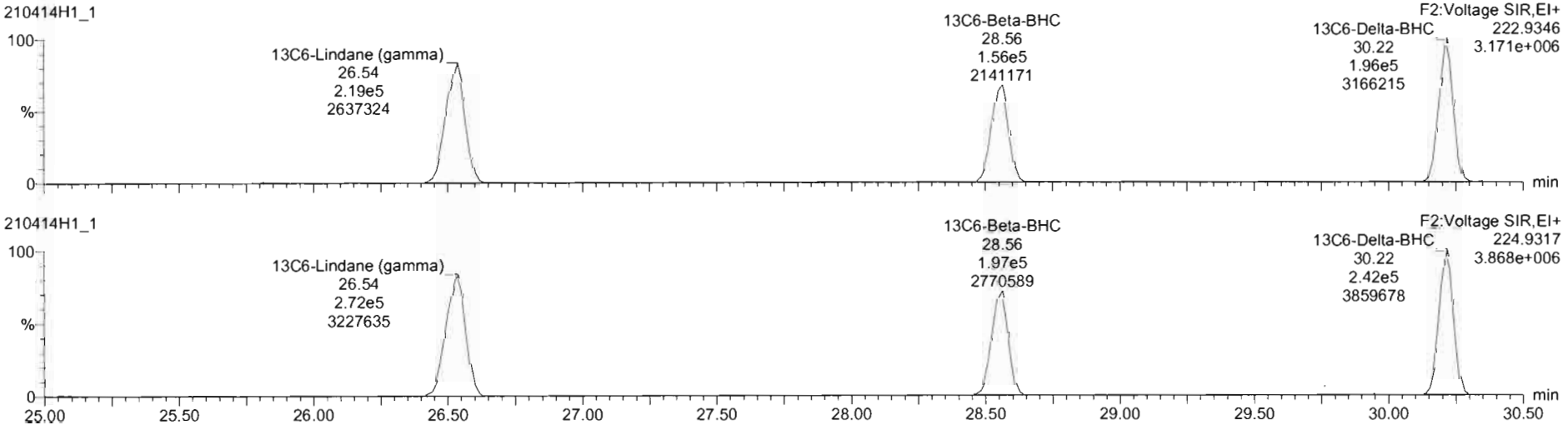
Last Altered: Wednesday, April 14, 2021 10:42:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 10:09:30 Pacific Daylight Time

Name: 210414H1_1, Date: 14-Apr-2021, Time: 09:46:50, ID: ST210414H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

4,4'-DDNU



13C6-Delta-BHC

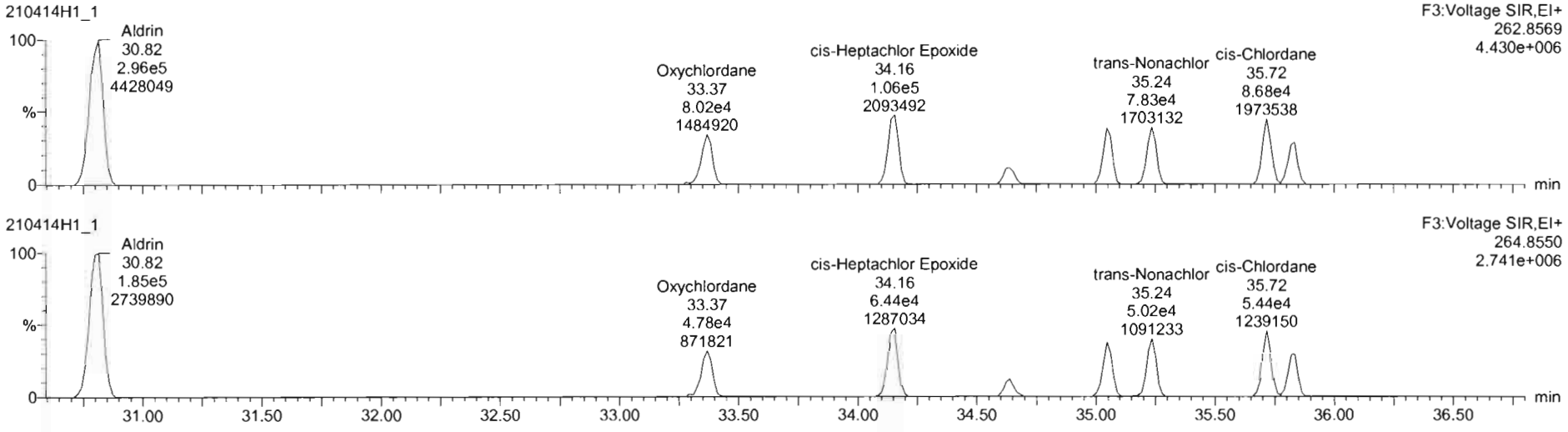


Dataset: U:\vg10.PRO\Results\210414H1\210414H1_1.qld

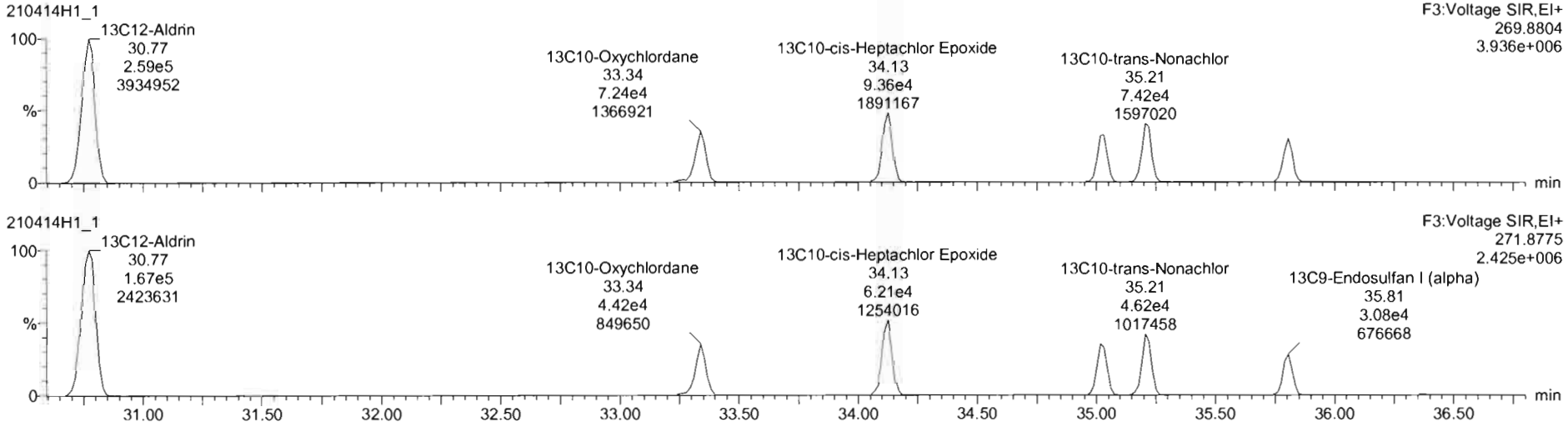
Last Altered: Wednesday, April 14, 2021 10:42:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 10:09:30 Pacific Daylight Time

Name: 210414H1_1, Date: 14-Apr-2021, Time: 09:46:50, ID: ST210414H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

Aldrin-EI



Aldrin-EI-isotopes



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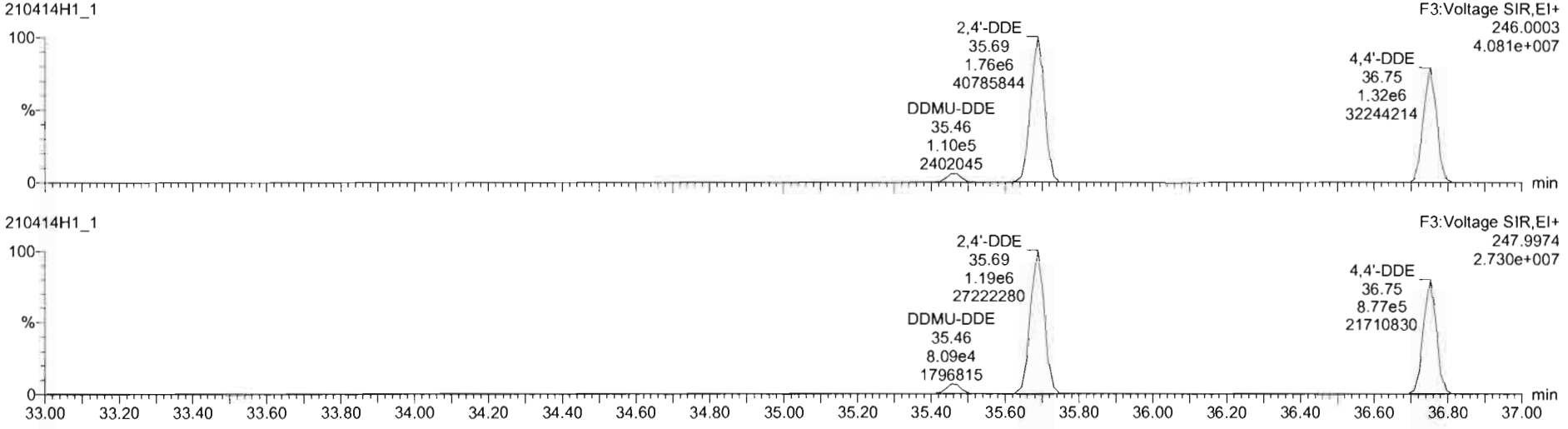
Last Altered: Wednesday, April 14, 2021 10:42:56 Pacific Daylight Time
Printed: Thursday, April 15, 2021 10:09:30 Pacific Daylight Time

Name: 210414H1_1, Date: 14-Apr-2021, Time: 09:46:50, ID: ST210414H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

DDMU-DDE



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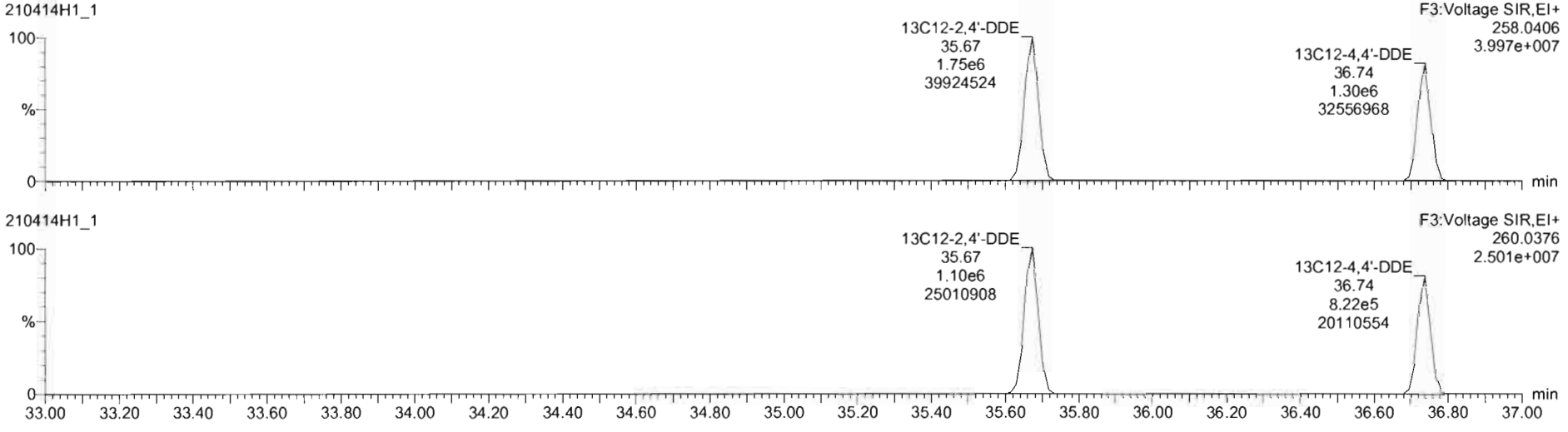

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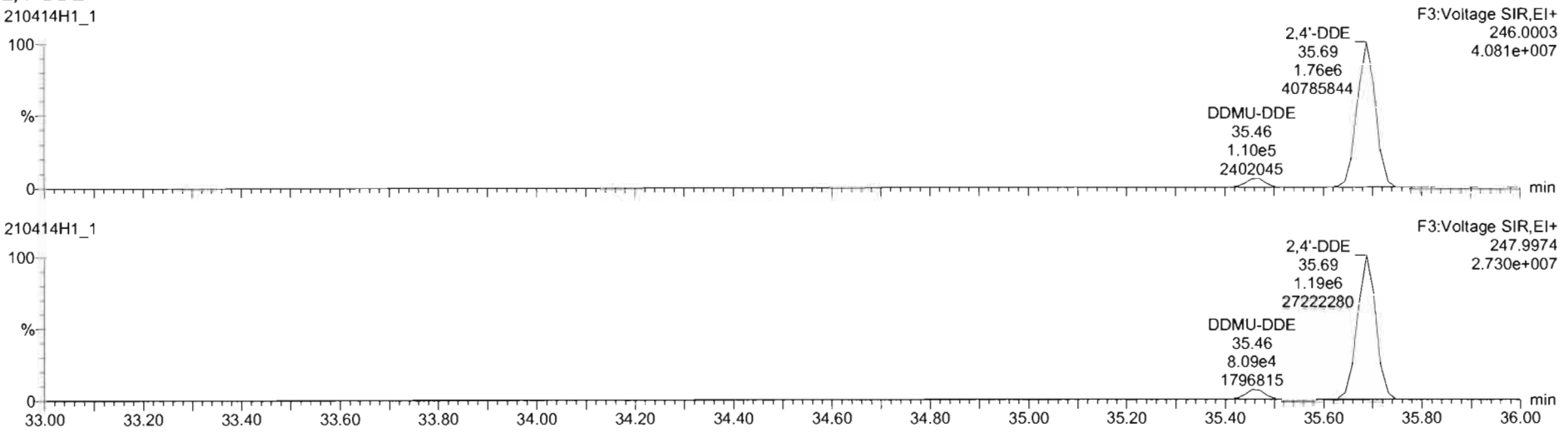
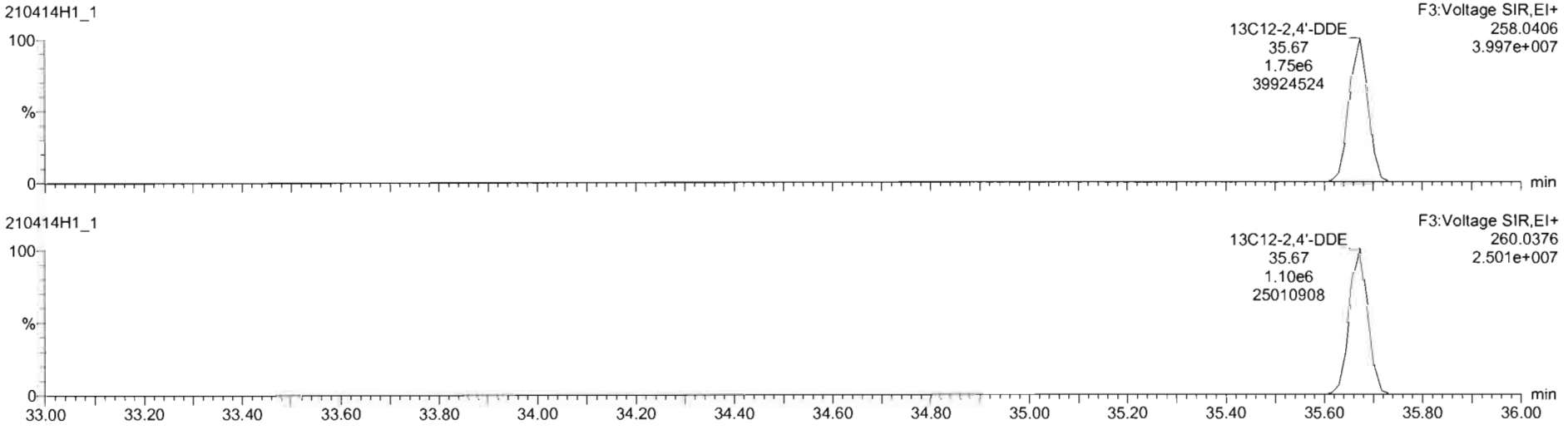
Name: 210414H1_1, Date: 14-Apr-2021, Time: 09:46:50, ID: ST210414H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

2,4'-DDE



13C12-2,4'-DDE



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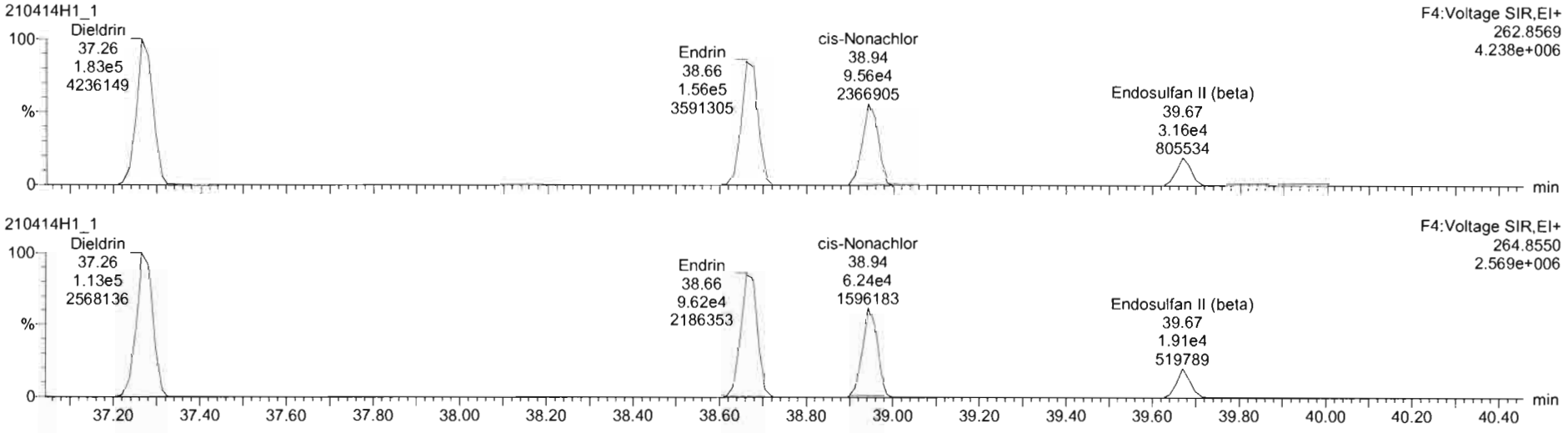
Name: 210414H1_1, Date: 14-Apr-2021, Time: 09:46:50, ID: ST210414H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

Dieldrin-EII



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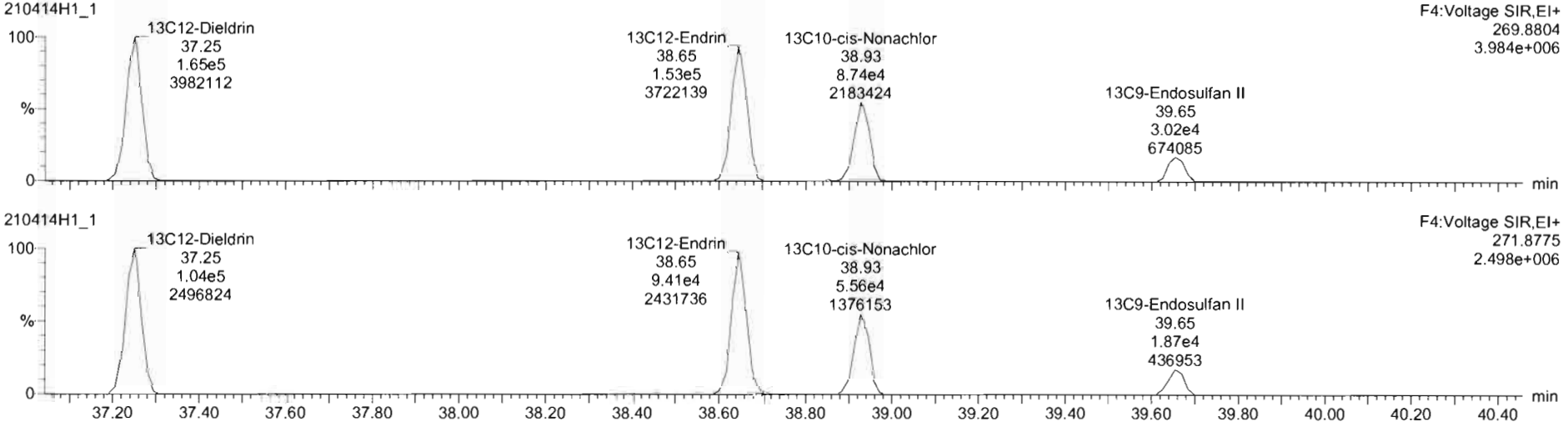

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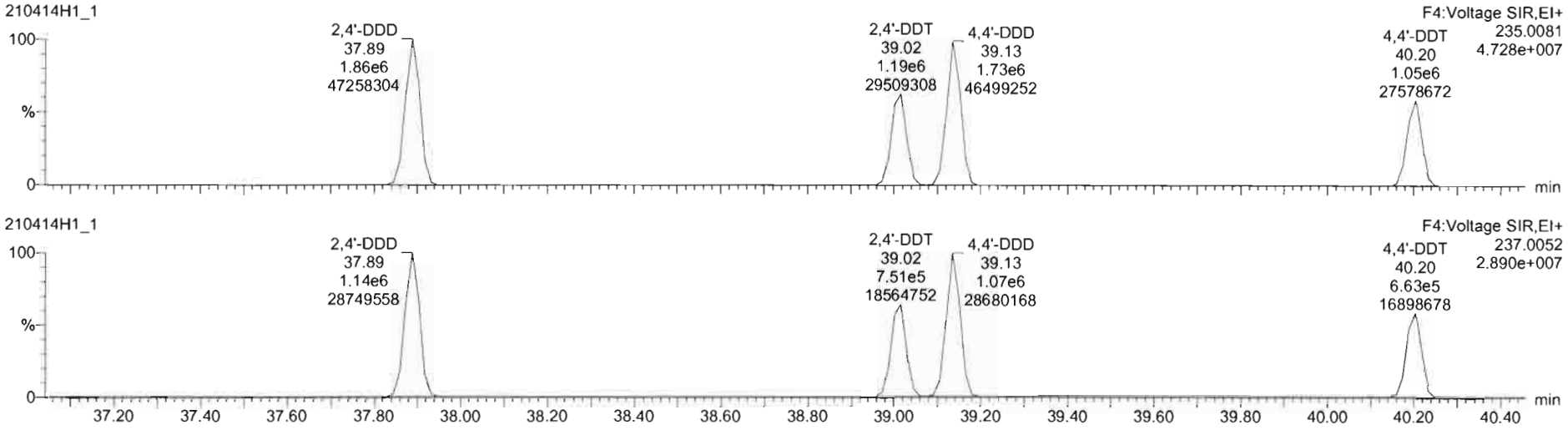
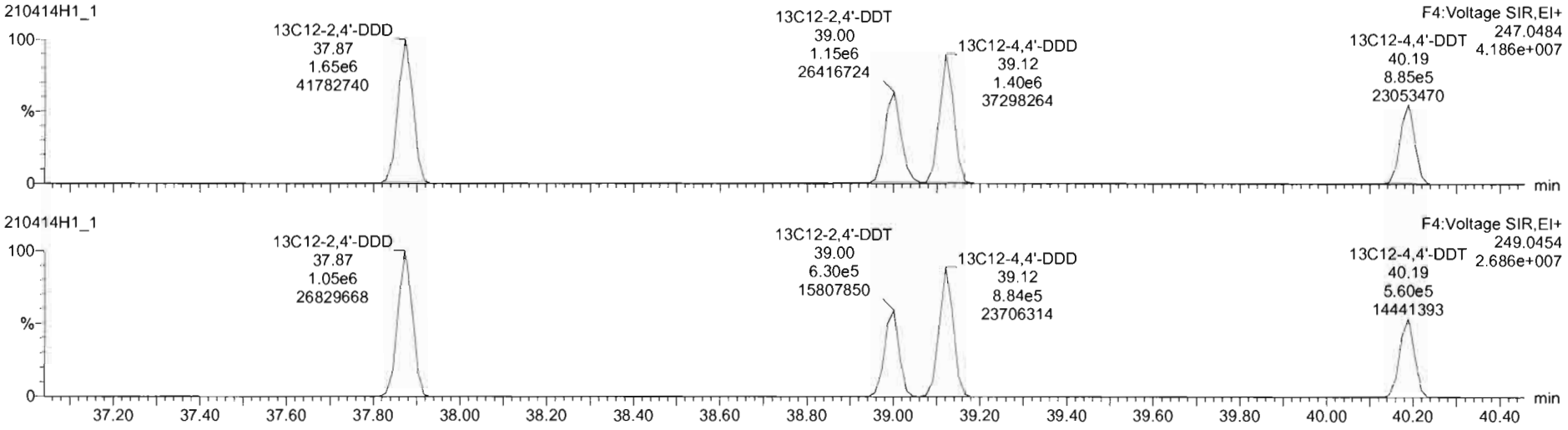
Name: 210414H1_1, Date: 14-Apr-2021, Time: 09:46:50, ID: ST210414H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

DDD-DDT



DDD-DDT-isotopes



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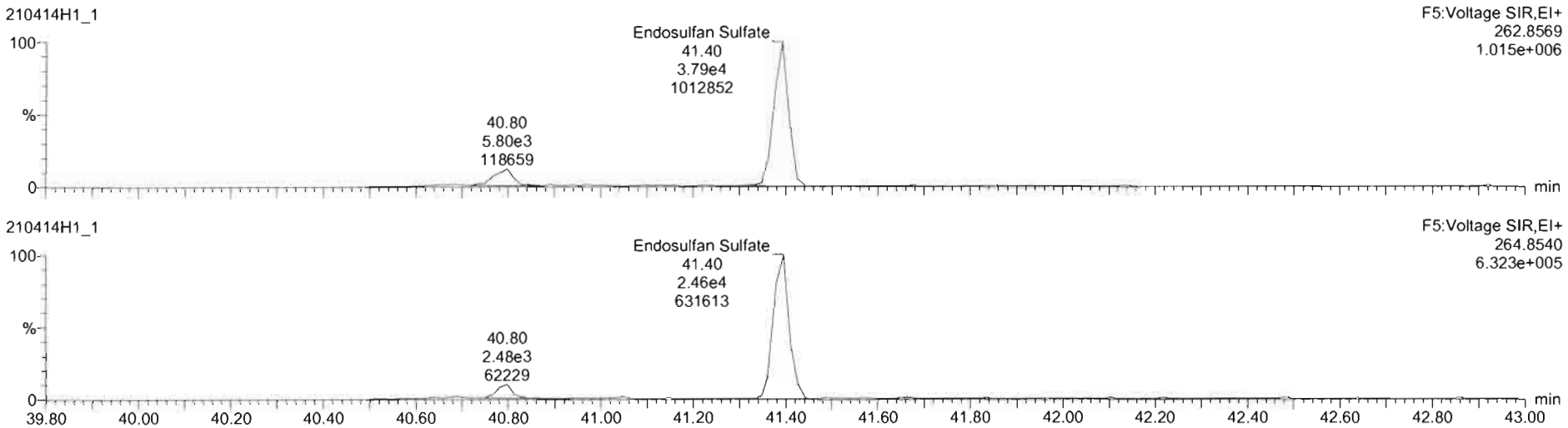
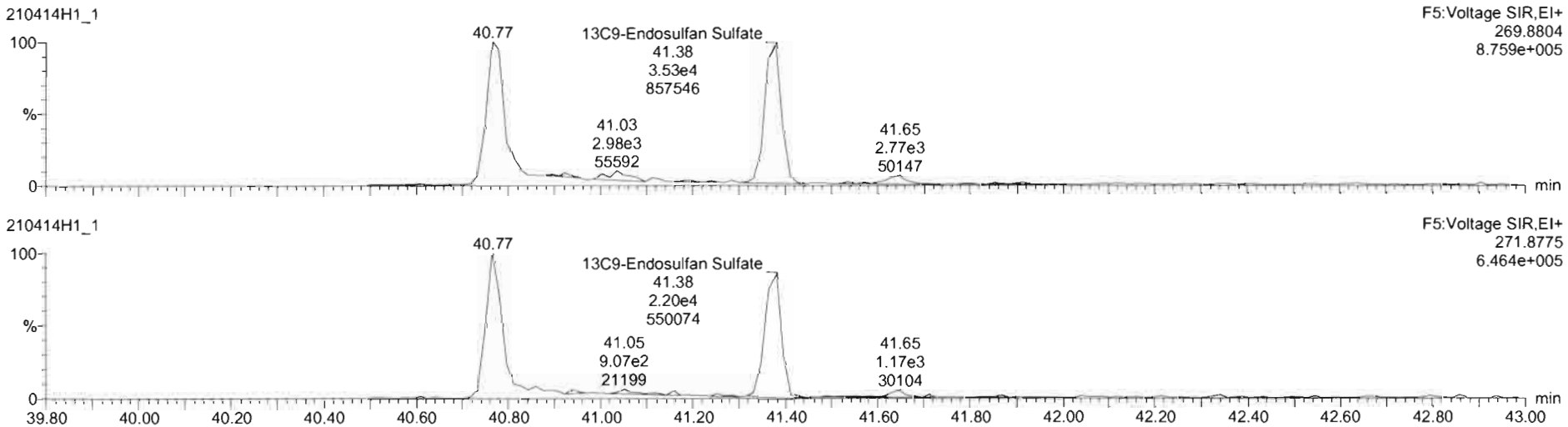
Name: 210414H1_1, Date: 14-Apr-2021, Time: 09:46:50, ID: ST210414H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

Endosulfan Sulfate



13C9-Endosulfan Sulfate



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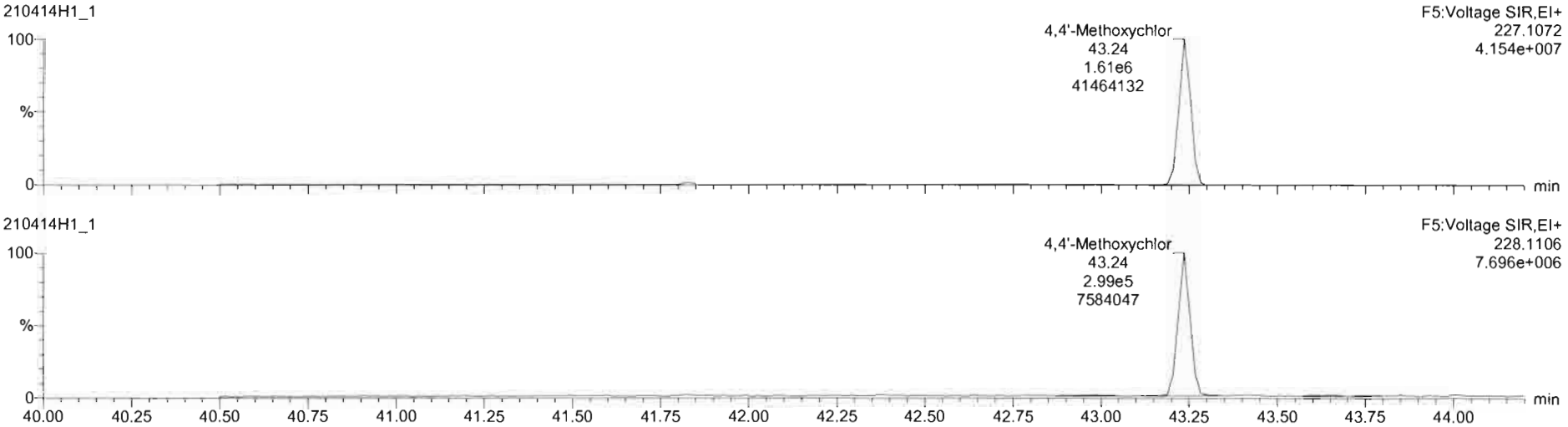
Name: 210414H1_1, Date: 14-Apr-2021, Time: 09:46:50, ID: ST210414H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

4,4'-Methoxychlor



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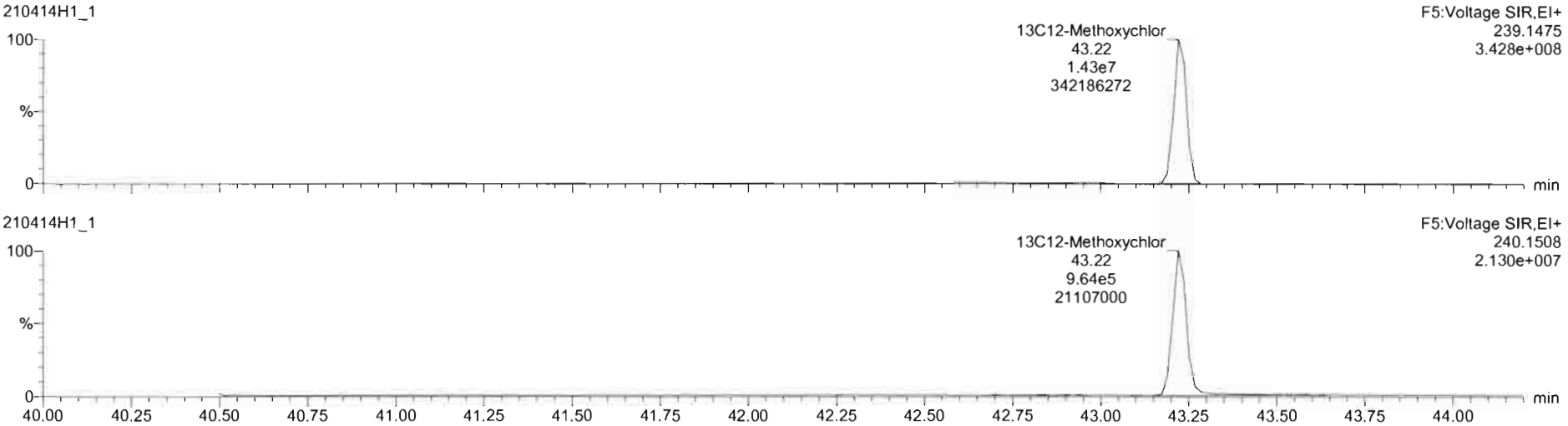

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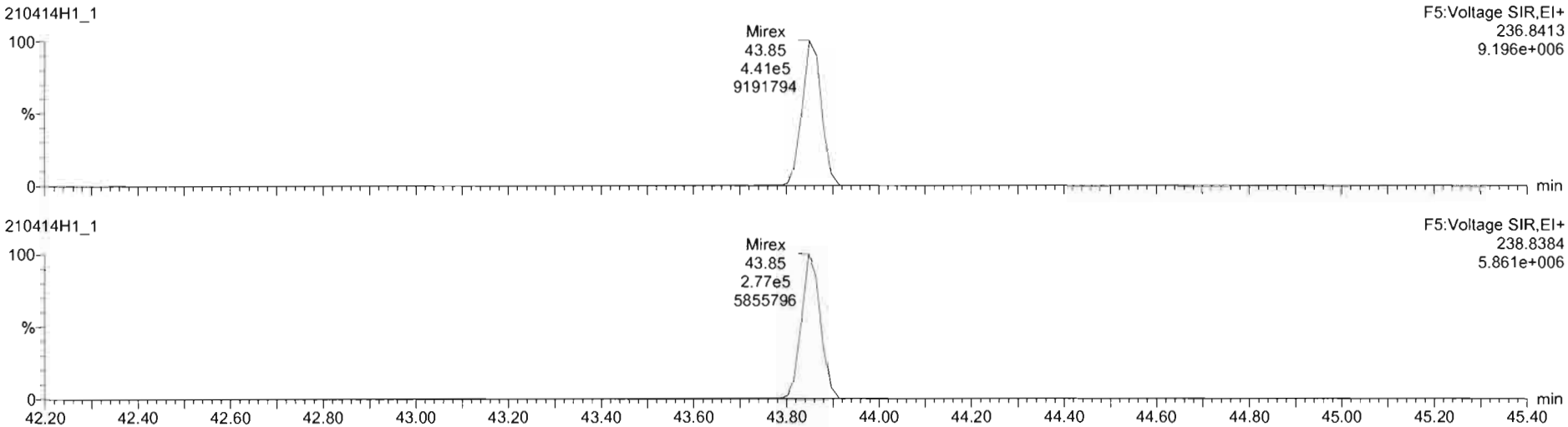
Name: 210414H1_1, Date: 14-Apr-2021, Time: 09:46:50, ID: ST210414H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

Mirex



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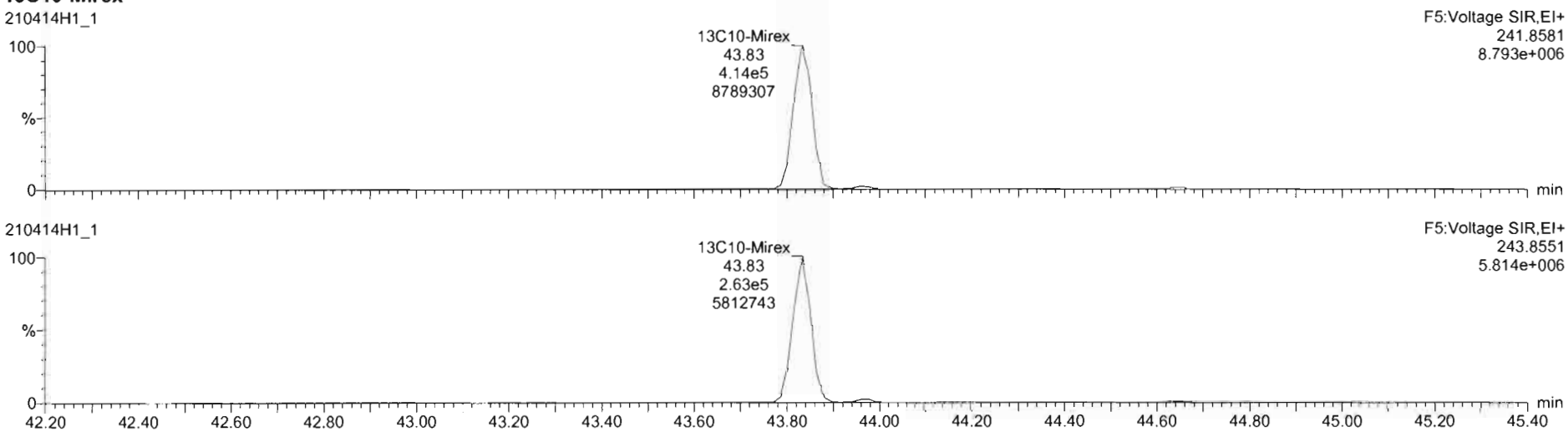

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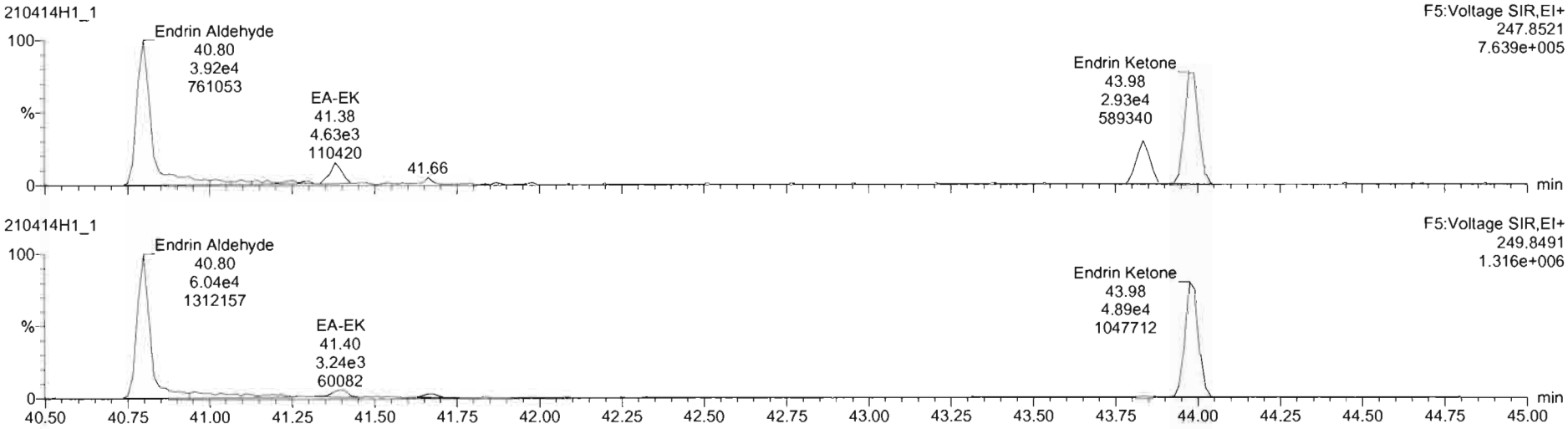
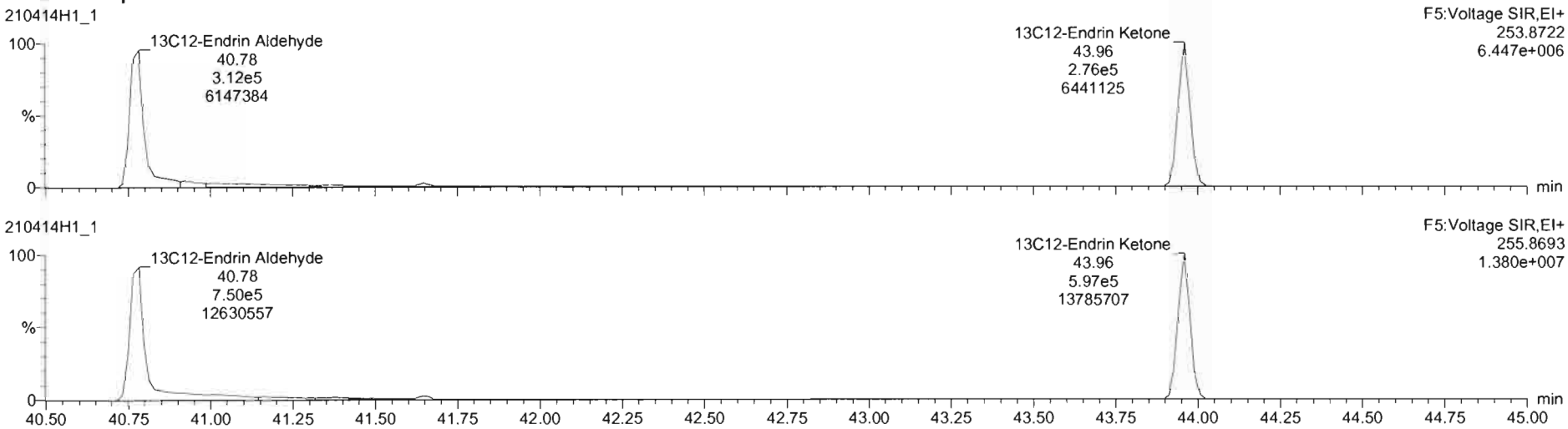
Name: 210414H1_1, Date: 14-Apr-2021, Time: 09:46:50, ID: ST210414H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

EA-EK



EA-EK-isotopes



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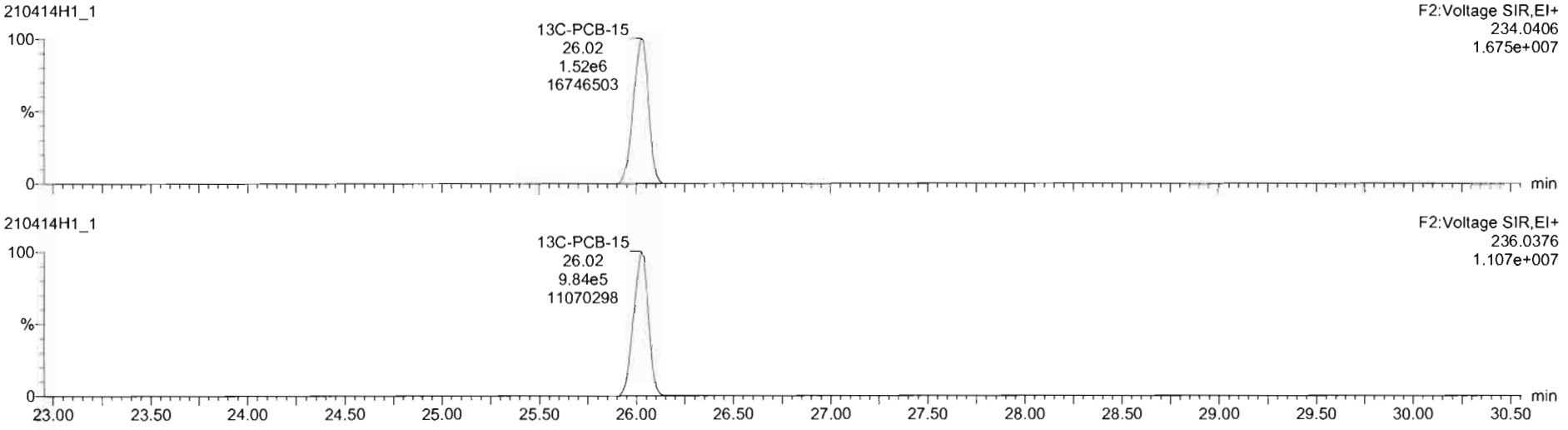
Name: 210414H1_1, Date: 14-Apr-2021, Time: 09:46:50, ID: ST210414H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

13C-PCB-15



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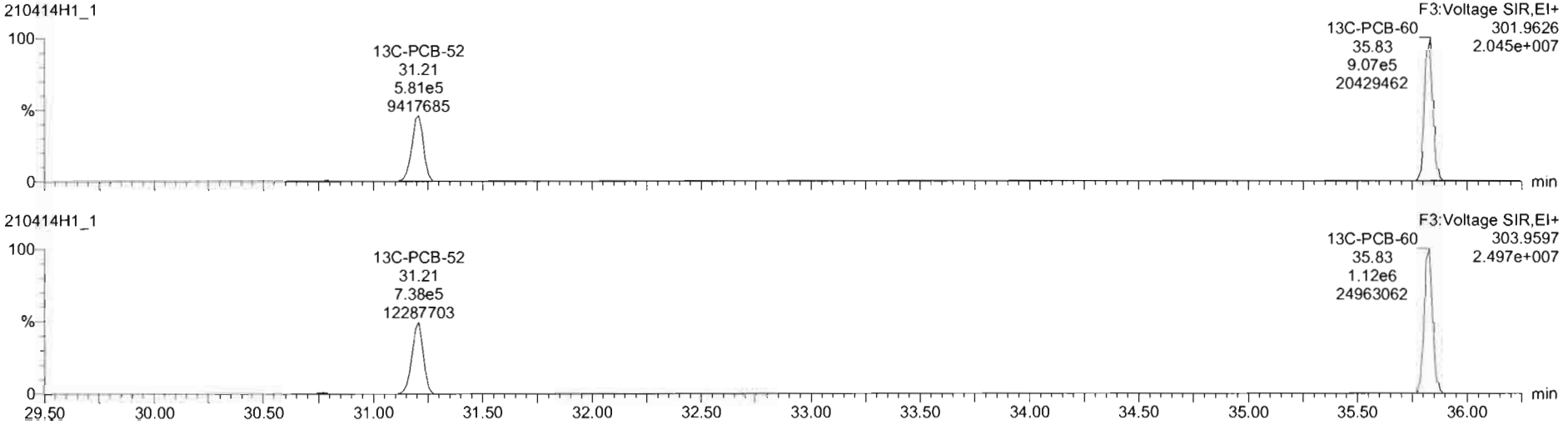

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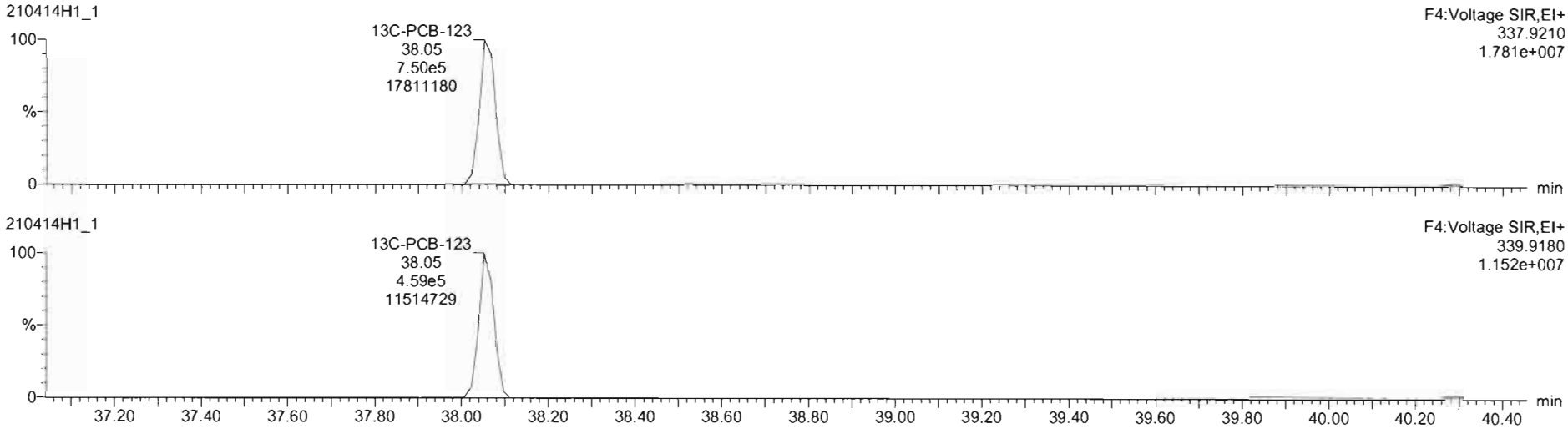

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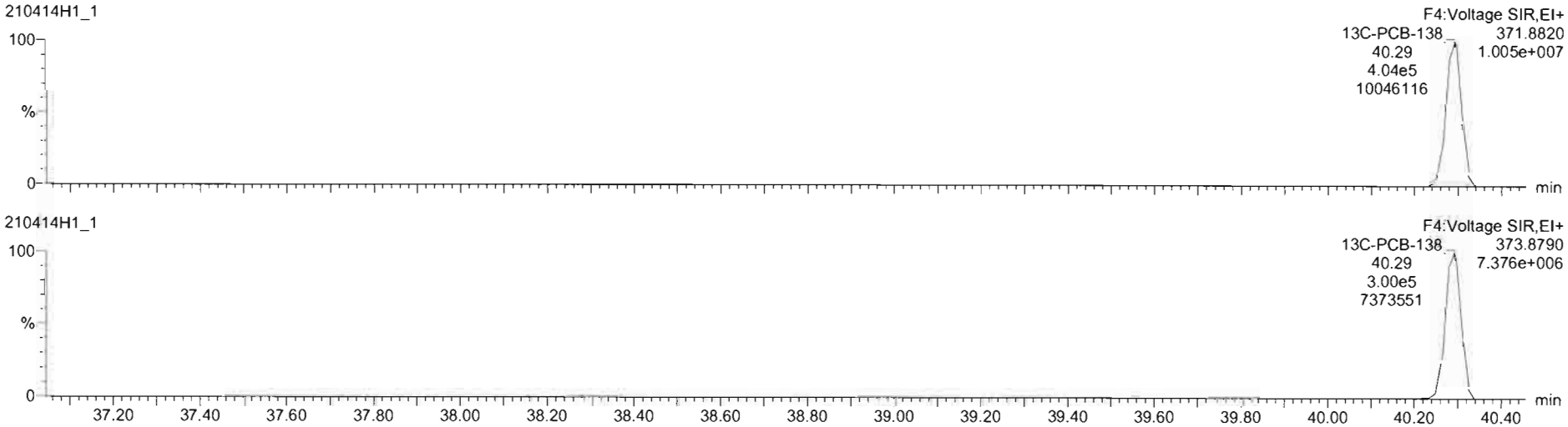

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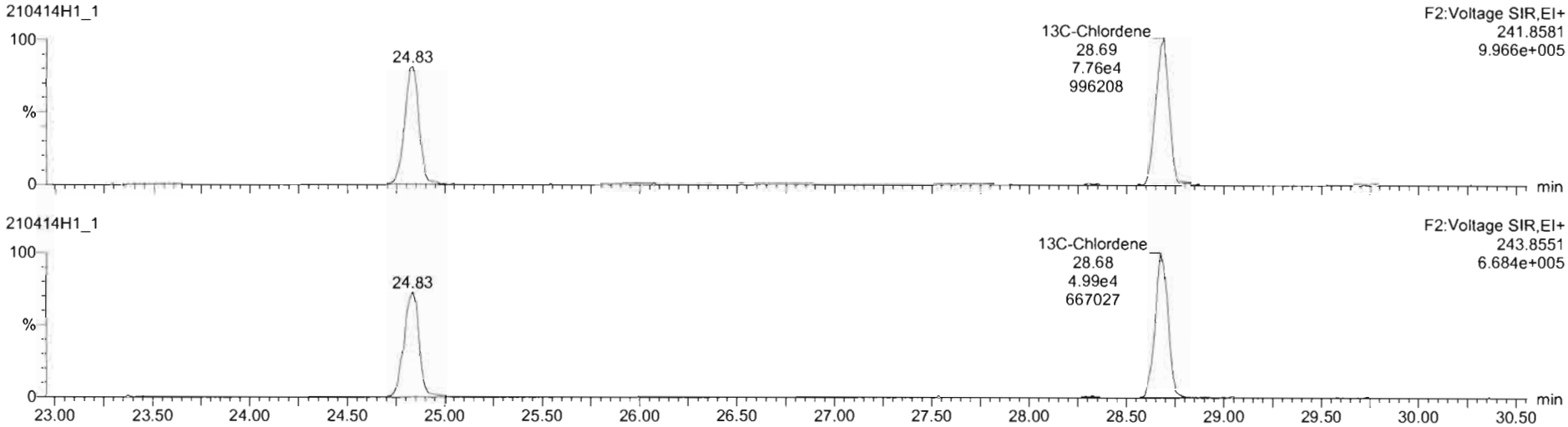

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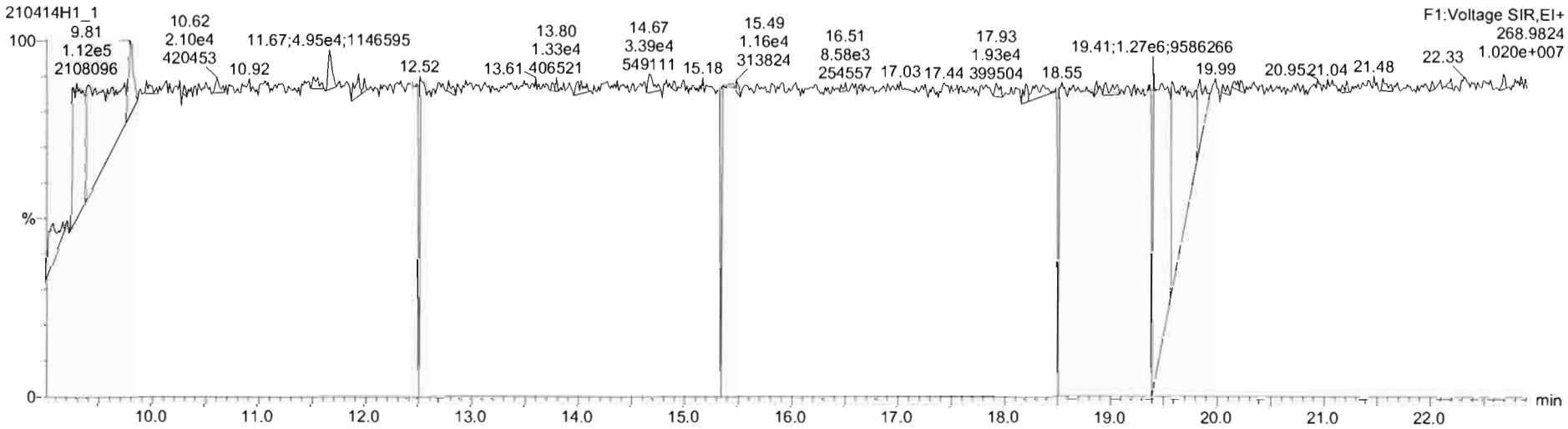

Vista Analytical Laboratory

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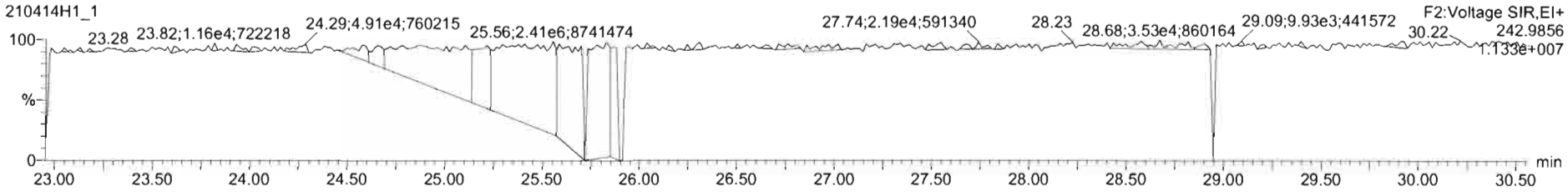

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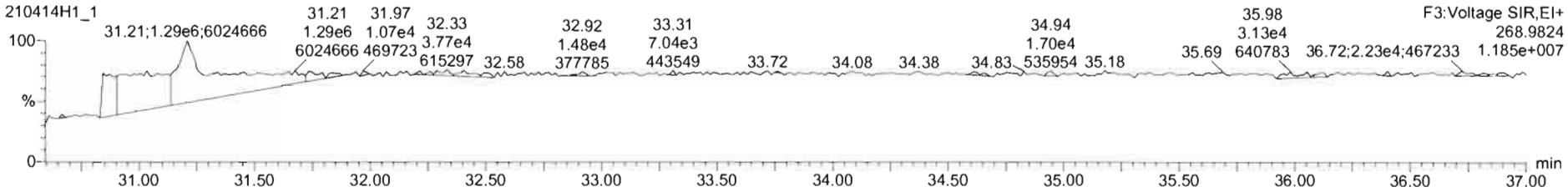

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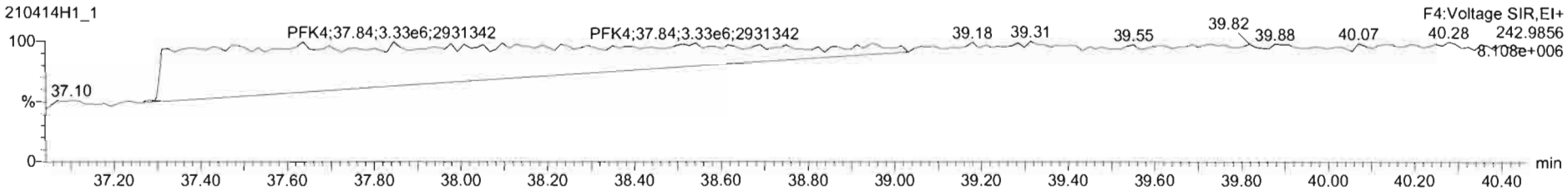

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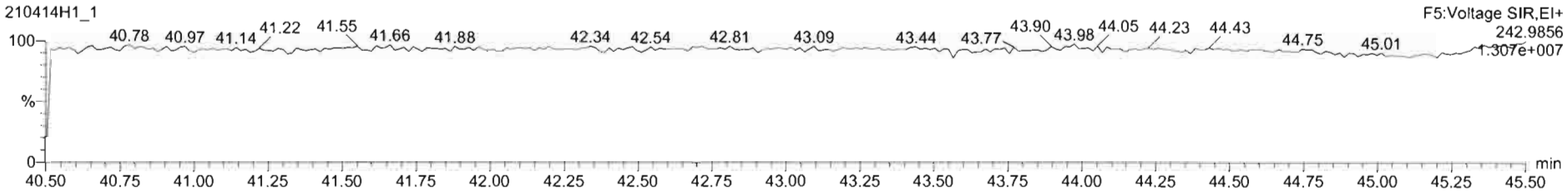

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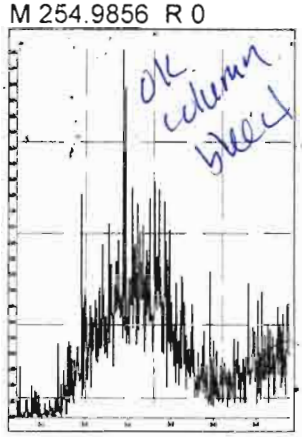

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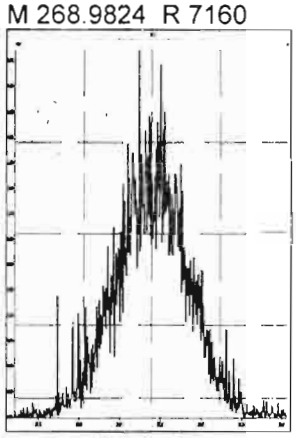

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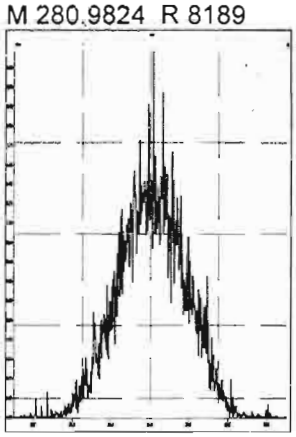

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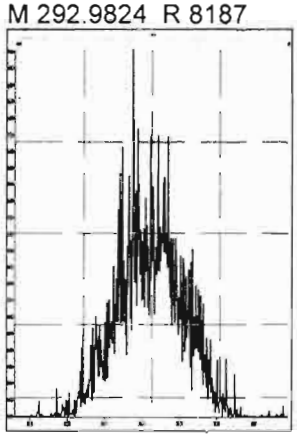

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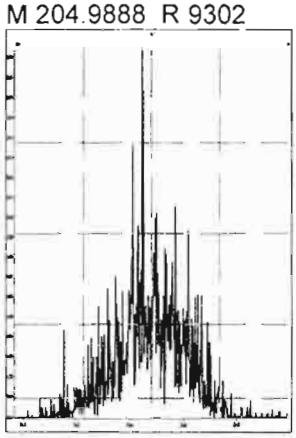

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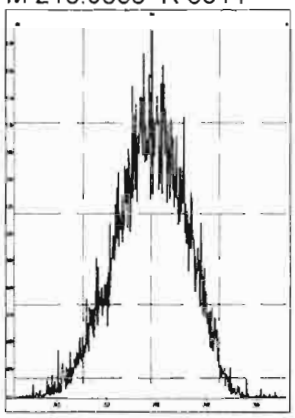

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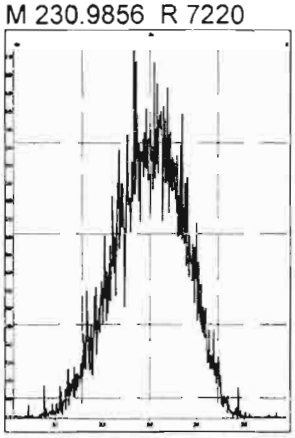

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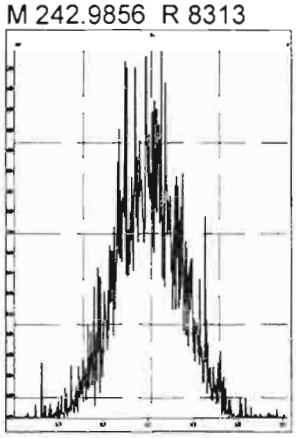

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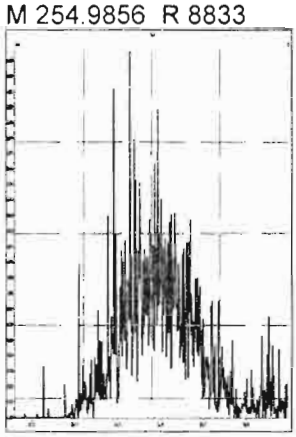

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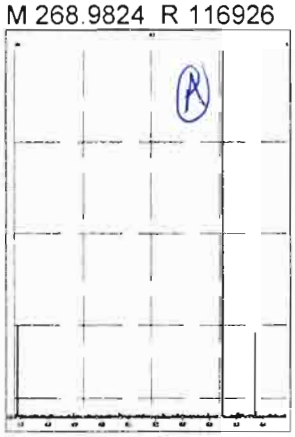

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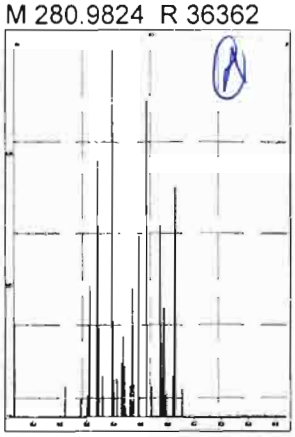

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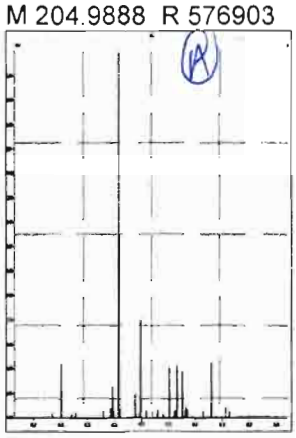

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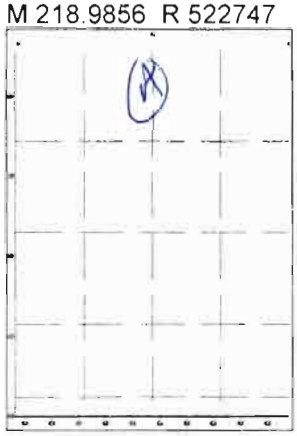

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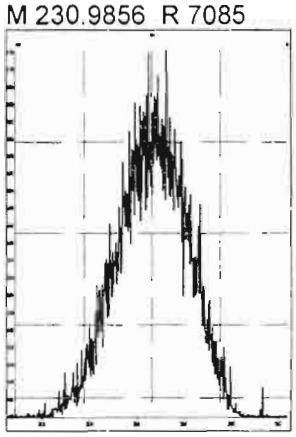

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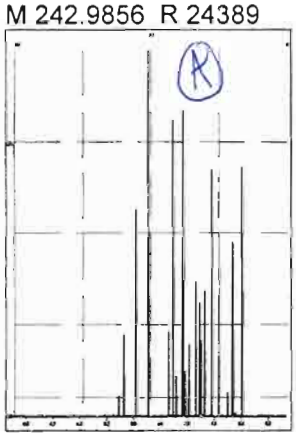

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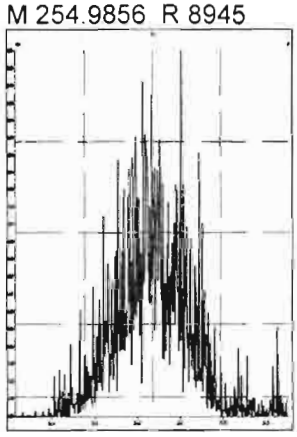
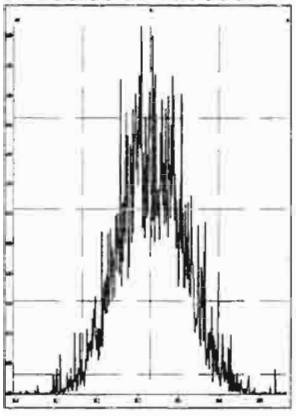
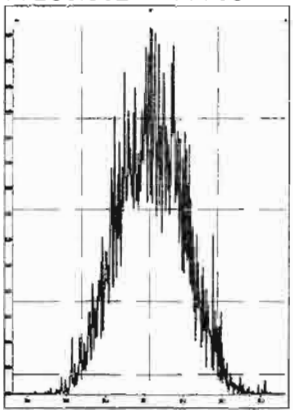


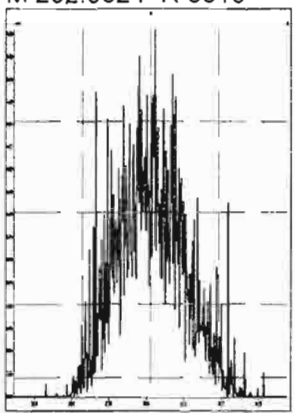
M 268.9824 R 7953



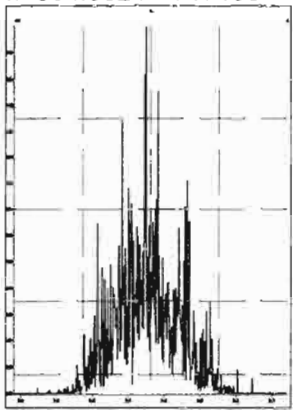
M 280.9824 R 7768



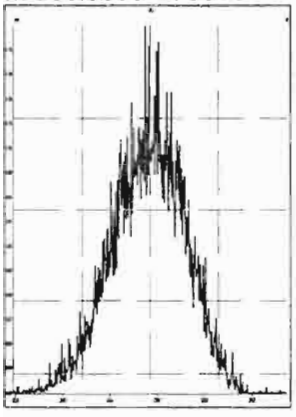
M 292.9824 R 8810



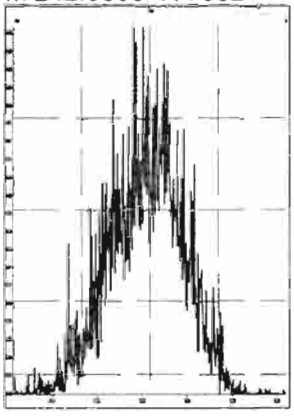
M 304.9824 R 17198



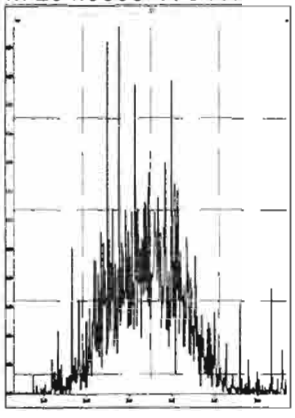
M 230.9856 R 6611



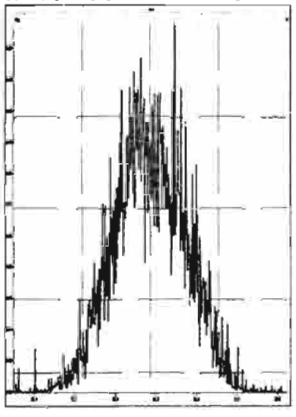
M 242.9856 R 7582



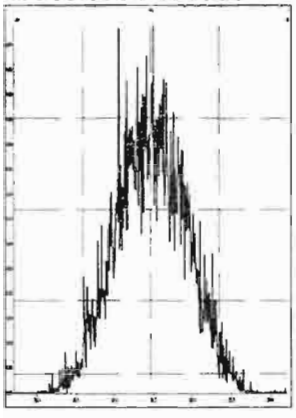
M 254.9856 R 9417



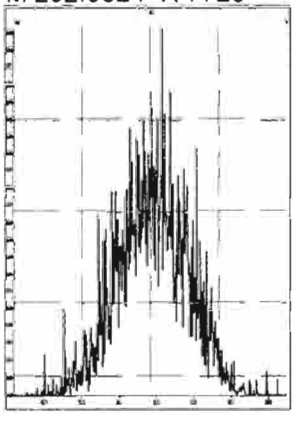
M 268.9824 R 7248



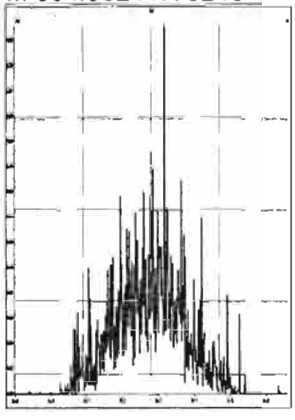
M 280.9824 R 7220



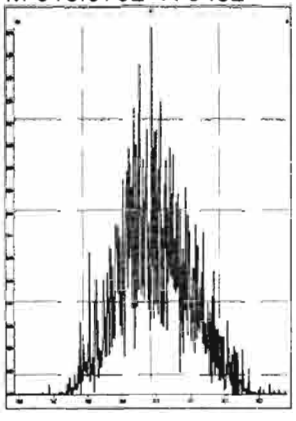
M 292.9824 R 7725



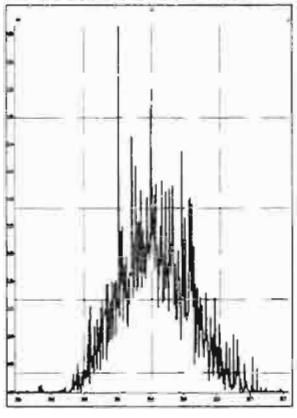
M 304.9824 R 9219



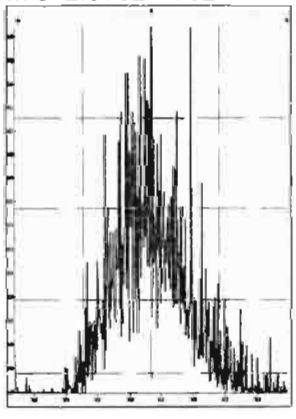
M 318.9792 R 9482



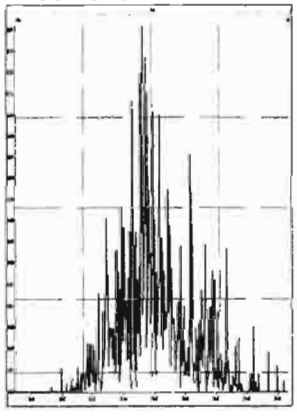
M 330.9792 R 7990



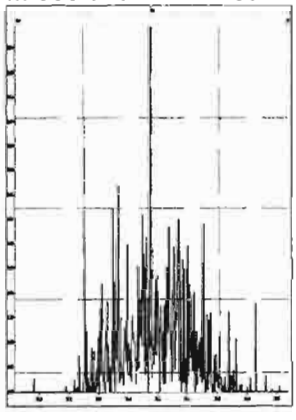
M 342.9792 R 8247



M 354.9792 R 20018

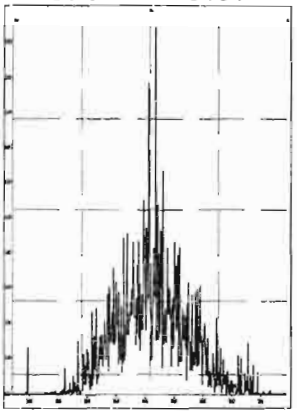


M 366.9792 R 60439

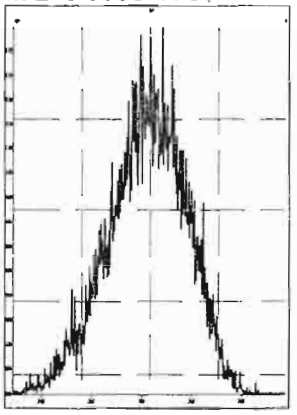


Printed: Wednesday, April 14, 2021 22:03:34 Pacific Daylight Time

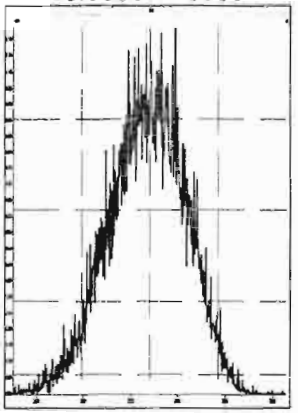
M 380.9760 R 8131



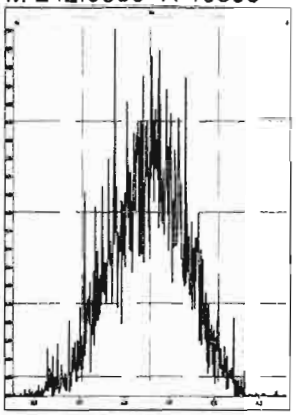
M 218.9856 R 6571



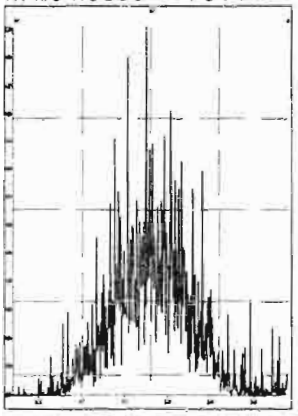
M 230.9856 R 6369



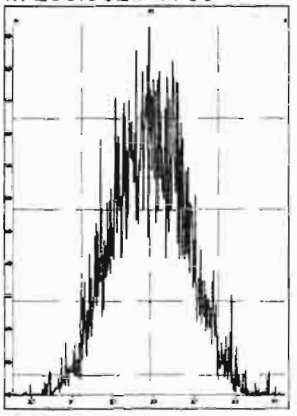
M 242.9856 R 10336



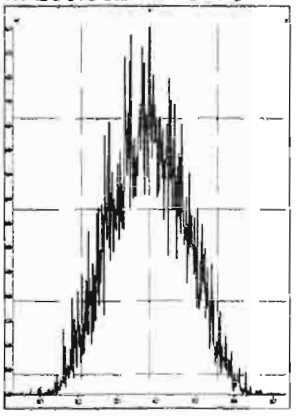
M 254.9856 R 7814



M 268.9824 R 6973



M 280.9824 R 6773



Quantify Sample Summary Report **MassLynx 4.1 SCN815**
Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_1.qld

Last Altered: Friday, April 16, 2021 09:05:22 Pacific Daylight Time
Printed: Friday, April 16, 2021 09:39:46 Pacific Daylight Time

JT 04/16/21
HN 04/17/21

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210415H1_1, Date: 15-Apr-2021, Time: 09:31:31, ID: ST210415H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402, Task: ST210415H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	4	Lindane (gamma-...	3.39e5	3.73e5	2.15	NO	0.860	1.000	26.57	1.002	1.000	NO	52.755	106	0.143	52.8
2	9	Aldrin	3.53e5	3.12e5	1.60	NO	1.09	1.000	30.80	1.001	1.001	NO	51.796	104	0.0254	51.8
3	10	Oxychlordane	8.61e4	7.98e4	1.62	NO	1.06	1.000	33.35	1.000	1.001	NO	50.778	102	0.0838	50.8
4	13	trans-Chlordane (g...	8.34e4	6.98e4	1.65	NO	1.14	1.000	35.05	1.001	1.001	NO	52.574	105	0.0767	52.6
5	14	trans-Nonachlor	8.39e4	7.55e4	1.53	NO	1.06	1.000	35.24	1.001	1.000	NO	52.470	105	0.0737	52.5
6	15	cis-Chlordane	1.02e5	7.55e4	1.58	NO	1.16	1.000	35.72	1.014	1.016	NO	58.096	116	0.0670	58.1
7	18	2,4'-DDE	2.88e6	2.65e6	1.55	NO	1.02	1.000	35.69	1.001	1.000	NO	53.208	106	0.0332	53.2
8	19	4,4'-DDE	2.19e6	1.98e6	1.57	NO	1.04	1.000	36.75	1.001	1.000	NO	53.047	106	0.0408	53.0
9	20	Dieldrin	2.66e5	2.56e5	1.58	NO	1.03	1.000	37.27	1.001	1.001	NO	50.547	101	0.0533	50.5
10	22	cis-Nonachlor	1.25e5	1.14e5	1.68	NO	1.00	1.000	38.94	1.000	1.000	NO	54.912	110	0.116	54.9

75-125%

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_1.qld

Last Altered: Friday, April 16, 2021 09:05:22 Pacific Daylight Time
Printed: Friday, April 16, 2021 09:40:13 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210415H1_1, Date: 15-Apr-2021, Time: 09:31:31, ID: ST210415H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402, Task: ST210415H1_1

	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec 75-125	DL	EMPC
1	24 2,4'-DDD	2.25e6	2.03e6	1.55	NO	1.07	1.000	37.89	1.000	1.000	NO	51.997	104	0.0826	52.0
2	25 2,4'-DDT	1.20e6	1.13e6	1.56	NO	1.05	1.000	39.00	1.000	1.000	NO	50.482	101	0.161	50.5
3	26 4,4'-DDD	2.00e6	1.65e6	1.60	NO	1.16	1.000	39.14	1.000	1.000	NO	52.082	104	0.0861	52.1
4	27 4,4'-DDT	1.03e6	8.51e5	1.57	NO	1.13	1.000	40.19	1.000	1.001	NO	53.491	107	0.178	53.5
5	36 13C6-Lindane (ga...	3.73e5	2.35e6	0.79	NO	0.194	1.000	26.52	1.019	1.019	NO	40.971	81.9	0.117	
6	40 13C12-Aldrin	3.12e5	2.35e6	1.48	NO	0.154	1.000	30.77	1.182	1.181	NO	43.029	86.1	0.0633	
7	41 13C10-Oxychlorda...	7.98e4	2.35e6	1.55	NO	0.0404	1.000	33.34	1.281	1.280	NO	41.978	84.0	0.241	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_1.qld

Last Altered: Friday, April 16, 2021 09:05:22 Pacific Daylight Time
Printed: Friday, April 16, 2021 09:40:32 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210415H1_1, Date: 15-Apr-2021, Time: 09:31:31, ID: ST210415H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402, Task: ST210415H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	43	13C10-trans-Chlor...	6.98e4	2.35e6	1.69	NO	0.0358	1.000	35.02	1.346	1.344	NO	41.398	82.8	0.272	
2	44	13C10-trans-Nona...	7.55e4	1.69e6	1.62	NO	0.0638	1.000	35.21	0.983	0.983	NO	35.050	70.1	0.114	
3	46	13C12-2,4'-DDE	2.65e6	1.69e6	1.58	NO	1.43	1.000	35.66	0.996	0.995	NO	54.607	109	0.0266	
4	47	13C12-4,4'-DDE	1.98e6	1.69e6	1.57	NO	0.995	1.000	36.72	1.025	1.026	NO	59.071	118	0.0384	
5	48	13C12-Dieldrin	2.56e5	1.69e6	1.52	NO	0.146	1.000	37.24	1.040	1.040	NO	51.815	104	0.117	
6	50	13C10-cis-Nonach...	1.14e5	1.69e6	1.62	NO	0.0791	1.000	38.93	1.087	1.087	NO	42.539	85.1	0.216	
7	52	13C12-2,4'-DDD	2.03e6	1.69e6	1.57	NO	1.35	1.000	37.87	1.057	1.057	NO	44.285	88.6	0.0655	
8	53	13C12-2,4'-DDT	1.13e6	1.69e6	1.84	NO	0.962	1.000	38.99	1.088	1.089	NO	34.835	69.7	0.0921	
9	54	13C12-4,4'-DDD	1.65e6	1.69e6	1.57	NO	1.12	1.000	39.12	1.092	1.092	NO	43.530	87.1	0.0788	
10	55	13C12-4,4'-DDT	8.51e5	1.69e6	1.56	NO	0.735	1.000	40.18	1.122	1.122	NO	34.275	68.5	0.121	
11	62	13C-PCB-15	2.35e6	2.35e6	1.60	NO	1.00	1.000	26.02	1.000	1.000	NO	50.000	100	0.0150	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_1.qld

Last Altered: Friday, April 16, 2021 09:05:22 Pacific Daylight Time
Printed: Friday, April 16, 2021 09:40:38 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210415H1_1, Date: 15-Apr-2021, Time: 09:31:31, ID: ST210415H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402, Task: ST210415H1_1

	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	63 13C-PCB-60	1.69e6	1.69e6	0.82	NO	1.00	1.000	35.82	1.000	1.000	NO	50.000	100	0.0318	

Dataset: Untitled

Last Altered: Friday, April 16, 2021 09:50:17 Pacific Daylight Time
Printed: Friday, April 16, 2021 09:50:59 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Compound name: Hexachlorobutadiene

	Name	ID	Acq.Date	Acq.Time
1	210415H1_1	ST210415H1_1 1699 CS3 21C0402	15-Apr-21	09:31:31
2	210415H1_2	GC210415H1_1 GC BREAK	15-Apr-21	10:21:14
3	210415H1_3	SOLVENT BLANK	15-Apr-21	11:14:42
4	210415H1_4	2103216-10RE1@5X USMPDI-1060RAB-00-1...	15-Apr-21	12:05:35
5	210415H1_5	2103216-08RE1 USMPDI-060RAB-10-20-210...	15-Apr-21	12:52:28
6	210415H1_6	B1D0036-DUP1 Duplicate 1.45	15-Apr-21	13:40:45
7	210415H1_7	2103216-18RE1 USMPDI-067RAB-00-10-210...	15-Apr-21	14:29:04
8	210415H1_8	2103216-17RE1 USMPDI-066RAB-20-22.5-21...	15-Apr-21	15:17:23
9	210415H1_9	2103216-16RE1 USMPDI-066RAB-10-20-210...	15-Apr-21	16:05:43
10	210415H1_10	2103216-11RE1 USMPDI-064RAB-00-10-210...	15-Apr-21	16:54:04
11	210415H1_11	2103216-06RE1 USMPDI-059RAB-20-25.5-21...	15-Apr-21	17:42:26
12	210415H1_12	2103216-05RE1 USMPDI-059RAB-10-20-210...	15-Apr-21	18:30:47
13	210415H1_13	2103216-04RE1 USMPDI-059RAB-00-10-210...	15-Apr-21	19:19:07
14	210415H1_14	2103216-03RE1 USMPDI-058RAB-20-26.2-21...	15-Apr-21	20:07:28
15	210415H1_15	2103216-02RE1 USMPDI-058RAB-10-20-210...	15-Apr-21	20:55:46

HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calbration ID: ST210415H1_1 **Reviewed By:** HN 04/17/21

Initials & Date

End Calibration ID: NA

	Beg.	End
Ion abundance within QC limits?	☑	NA
Concentrations within criteria?	☑	☐
TCDD/TCDF Valleys <25%	NA	☐
First and last eluters present?	NA	☐
Retention Times within criteria?	☑	☐
Verification Std. named correctly? (ST-Year-Month-Day-VG ID)	☑	☐
Forms signed and dated?	☑	☐
Correct ICAL referenced?	DF	
Run Log:		
- Correct instrument listed?	☑	☐
- Samples within 12 hour clock?	(Y)	N
- Bottle position verfied?	DF	

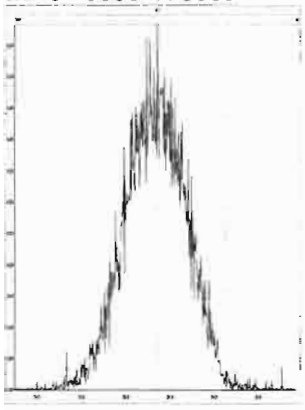
	Beg.	End (A)(B)
Mass resolution ≥	☑	☑
☐ 5k ☒ 6-8K ☐ 8K ☐ 10K 1614 1699 429 1613/1668/8280		
Intergrated peaks display correctly?	☑	NA
GC Break <20% NA		
8280 CS1 End Standard:		
- Ratios within limits, S/N <2.5:1, CS1 within 12 hours		NA

Comments:
(A) Four Masses did not centroid
(B) Column bleed on one mass

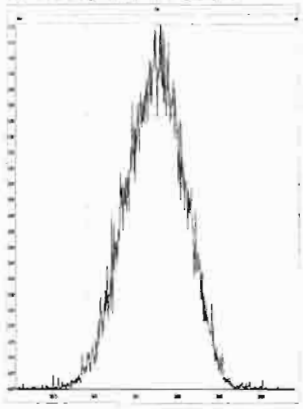
File: Experiment: 1699_zb50_10k.exp Reference: Pfk.ref Function: 1 @ 250 (ppm)

Printed: Thursday, April 15, 2021 09:25:12 Pacific Daylight Time

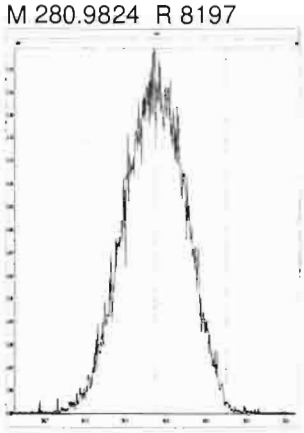
M 254.9856 R 8509



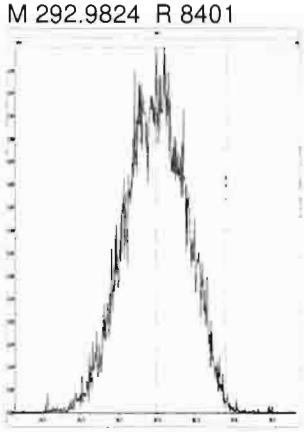
M 268.9824 R 8032



M 280.9824 R 8197



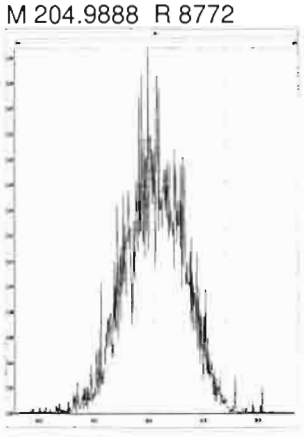
M 292.9824 R 8401



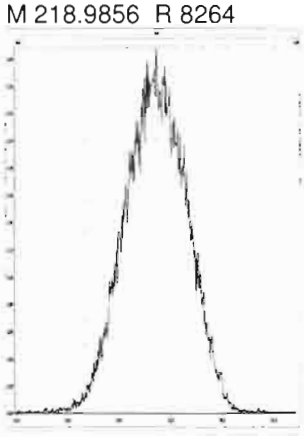
File: Experiment: 1699_zb50_10k.exp Reference: Pfk.ref Function: 2 @ 250 (ppm)

Printed: Thursday, April 15, 2021 09:25:52 Pacific Daylight Time

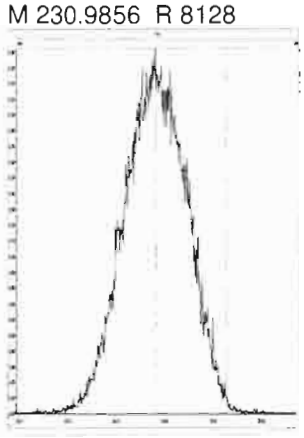
M 204.9888 R 8772



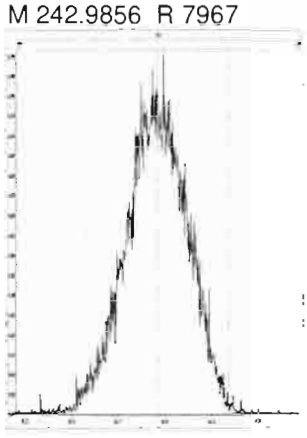
M 218.9856 R 8264



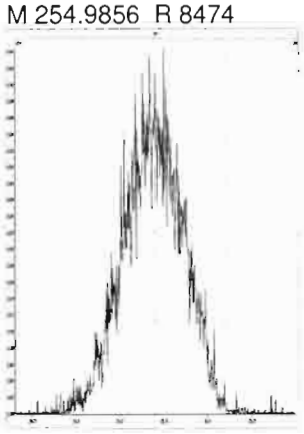
M 230.9856 R 8128



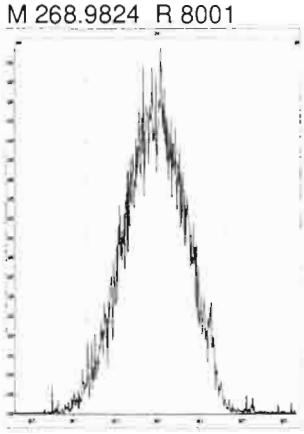
M 242.9856 R 7967



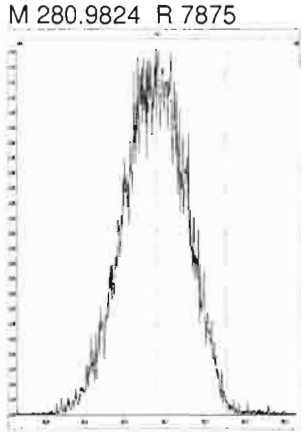
M 254.9856 R 8474



M 268.9824 R 8001



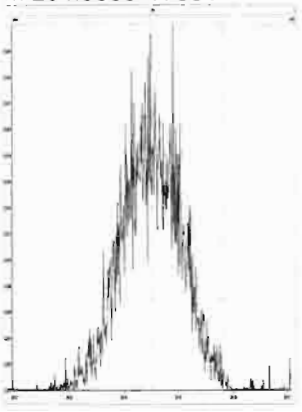
M 280.9824 R 7875



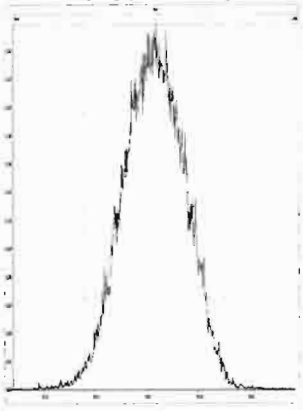
File: Experiment: 1699_zb50_10k.exp Reference: Pfk.ref Function: 3 @ 250 (ppm)

Printed: Thursday, April 15, 2021 09:26:41 Pacific Daylight Time

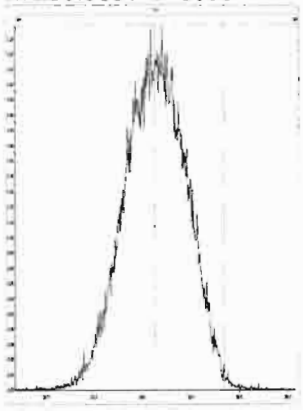
M 204.9888 R 8811



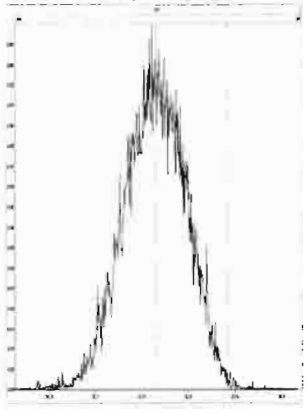
M 218.9856 R 7936



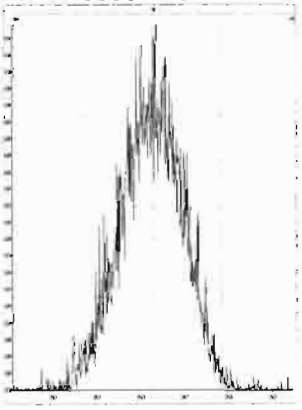
M 230.9856 R 8098



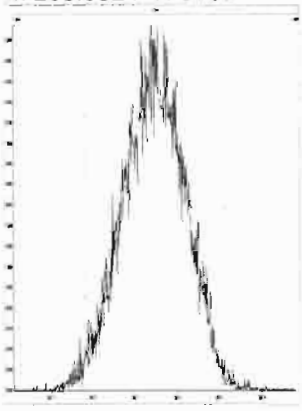
M 242.9856 R 8332



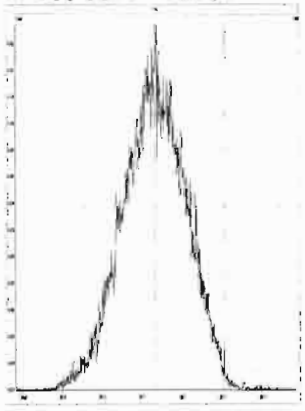
M 254.9856 R 8771



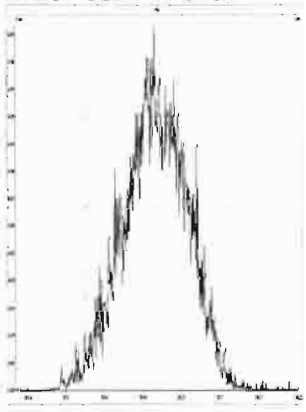
M 268.9824 R 8165



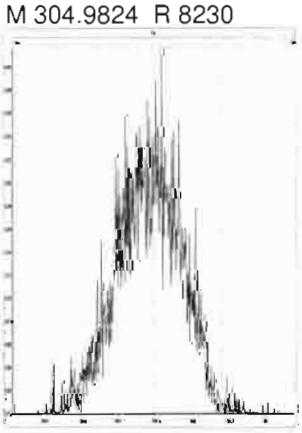
M 280.9824 R 8063



M 292.9824 R 8162



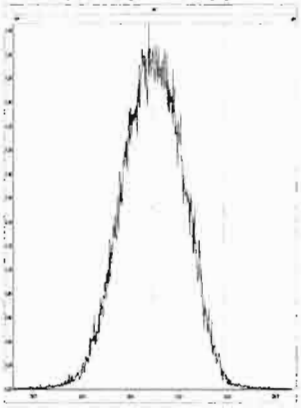
M 304.9824 R 8230



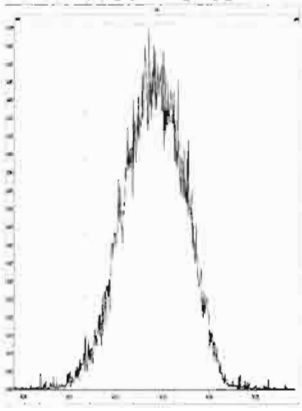
File: Experiment: 1699_zb50_10k.exp Reference: Pfk.ref Function: 4 @ 250 (ppm)

Printed: Thursday, April 15, 2021 09:27:38 Pacific Daylight Time

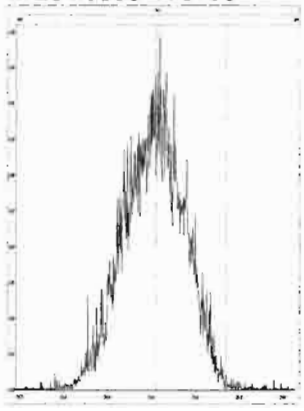
M 230.9856 R 7966



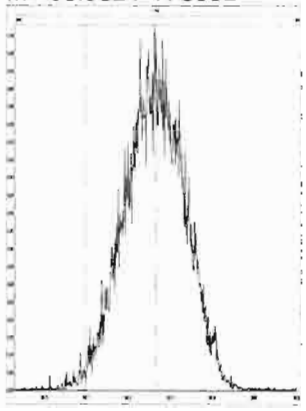
M 242.9856 R 8063



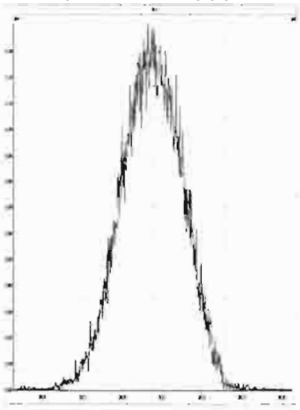
M 254.9856 R 8196



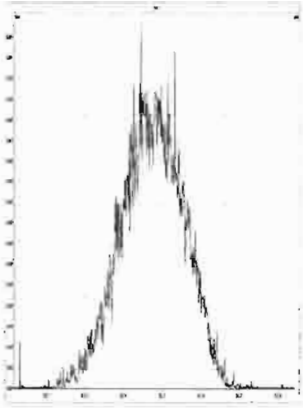
M 268.9824 R 8332



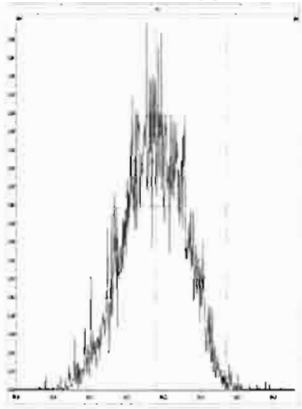
M 280.9824 R 8000



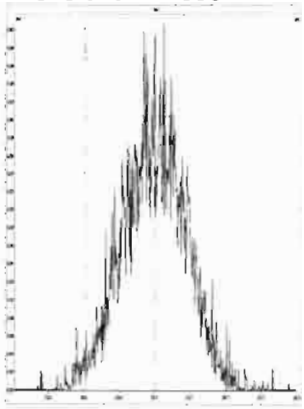
M 292.9824 R 8097



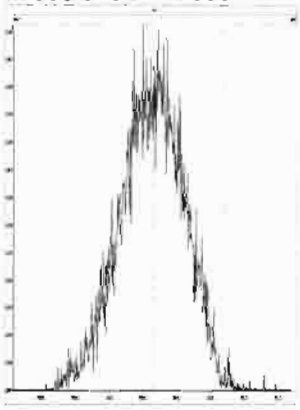
M 304.9824 R 8065



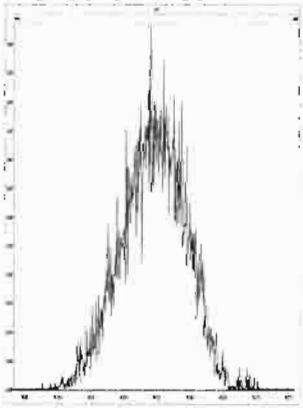
M 318.9792 R 8367



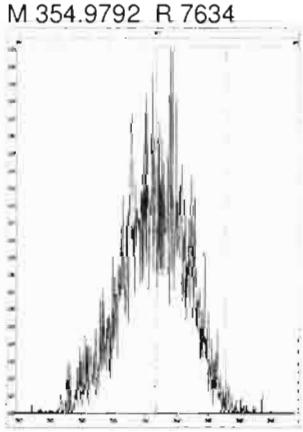
M 330.9792 R 7999



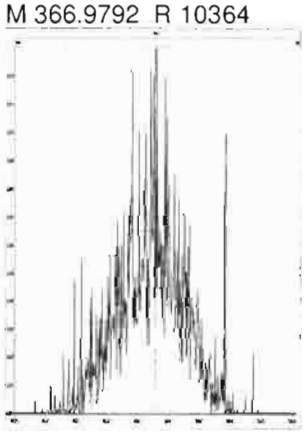
M 342.9792 R 8547



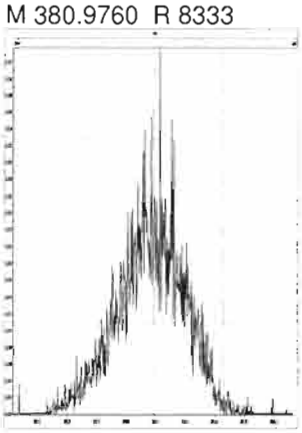
M 354.9792 R 7634



M 366.9792 R 10364



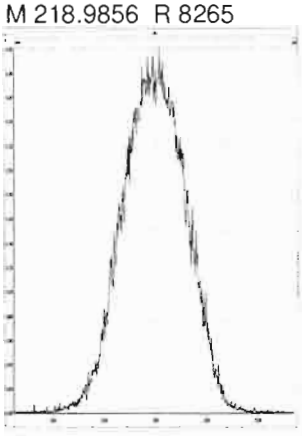
M 380.9760 R 8333



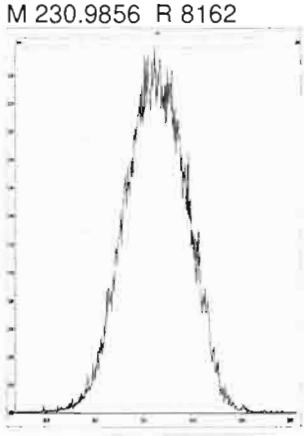
File: Experiment: 1699_zb50_10k.exp Reference: Pfk.ref Function: 5 @ 250 (ppm)

Printed: Thursday, April 15, 2021 09:28:29 Pacific Daylight Time

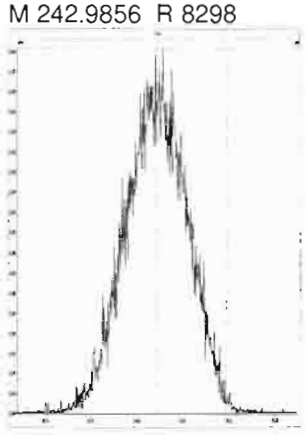
M 218.9856 R 8265



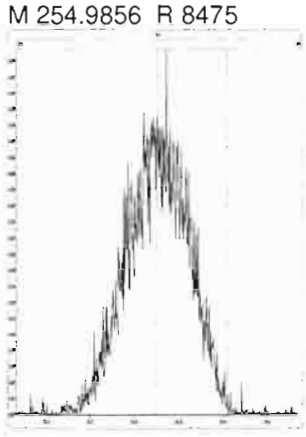
M 230.9856 R 8162



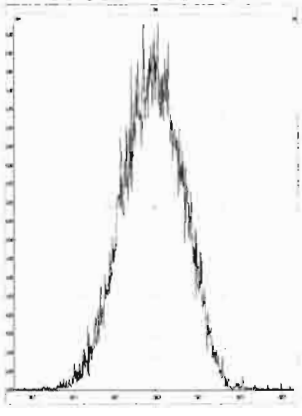
M 242.9856 R 8298



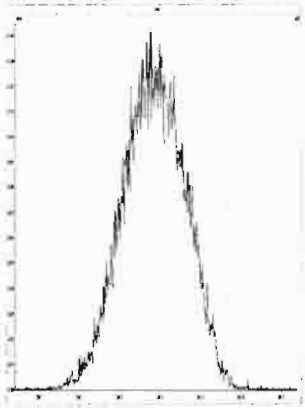
M 254.9856 R 8475



M 268.9824 R 8473



M 280.9824 R 8162



Vista Analytical Laboratory VG-10

Dataset: Untitled

Last Altered: Friday, April 16, 2021 09:45:56 Pacific Daylight Time
Printed: Friday, April 16, 2021 09:48:51 Pacific Daylight Time

DF 04/17/21
HN 04/17/21

Method: U:\vg10.PRO\MethDB\1699_GC-break.mdb 13 Apr 2021 10:33:50
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210415H1_2, Date: 15-Apr-2021, Time: 10:21:14, ID: GC210415H1_1 GC BREAK, Description: GC BREAK

	# Name	Resp	RA	n/y	RT
1	1 Endrin Aldehyde	1.32e3	0.50	NO	40.80
2	2 Endrin Ketone	2.58e3	0.88	YES	43.99
3	3 Endrin	3.40e5	1.60	NO	38.68
4	4 4,4'-DDE	7.70e3	1.16	YES	36.75
5	5 4,4'-DDD	2.49e4	1.28	NO	39.15
6	6 4,4'-DDT	4.05e6	1.58	NO	40.20

$$\frac{EA + EK}{E} \times 100\% = 1.14\%$$

$$\frac{DDE + DDD}{DDT} \times 100\% = 0.804\%$$

Vista Analytical Laboratory VG-10

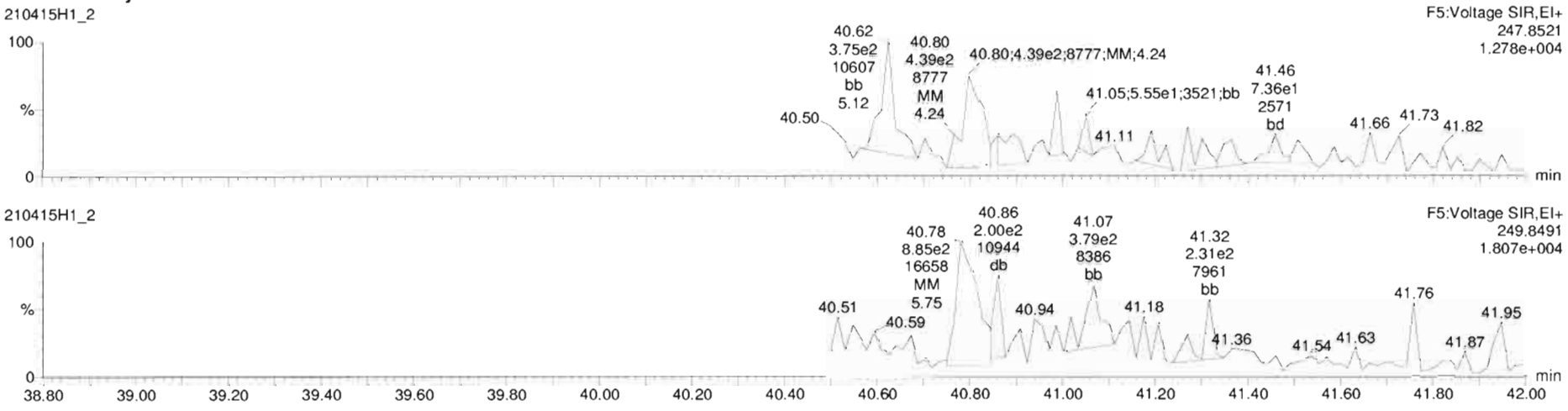
Dataset: Untitled

Last Altered: Friday, April 16, 2021 09:45:56 Pacific Daylight Time
Printed: Friday, April 16, 2021 09:48:51 Pacific Daylight Time

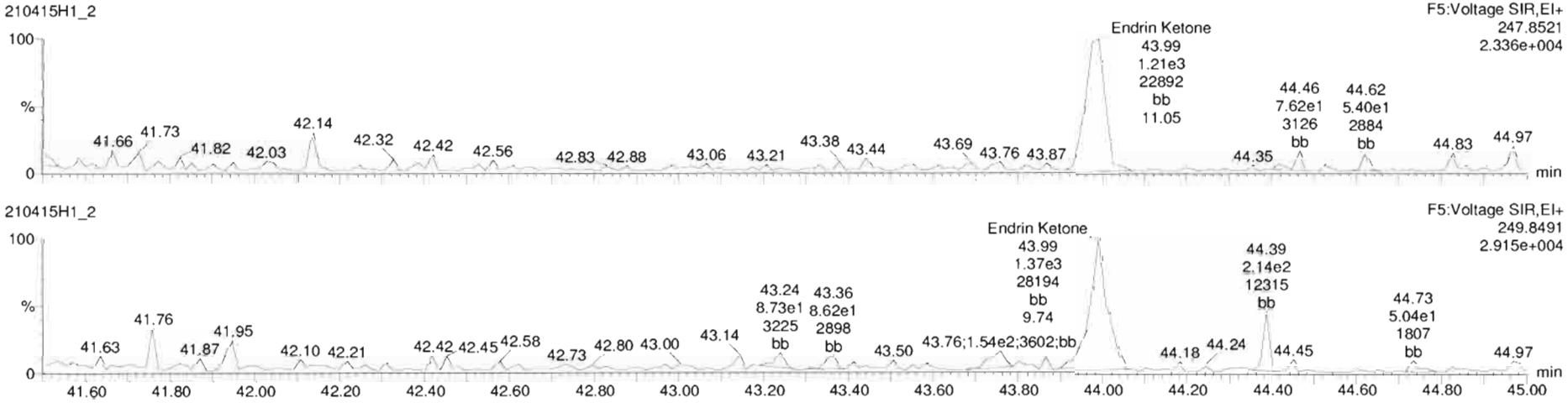
Method: U:\vg10.PRO\MethDB\1699_GC-break.mdb 13 Apr 2021 10:33:50
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210415H1_2, Date: 15-Apr-2021, Time: 10:21:14, ID: GC210415H1_1 GC BREAK, Description: GC BREAK

Endrin Aldehyde



Endrin Ketone

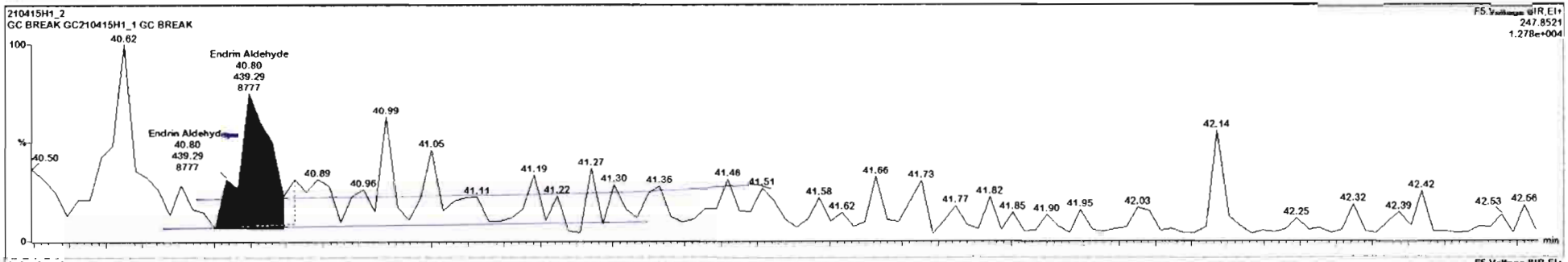


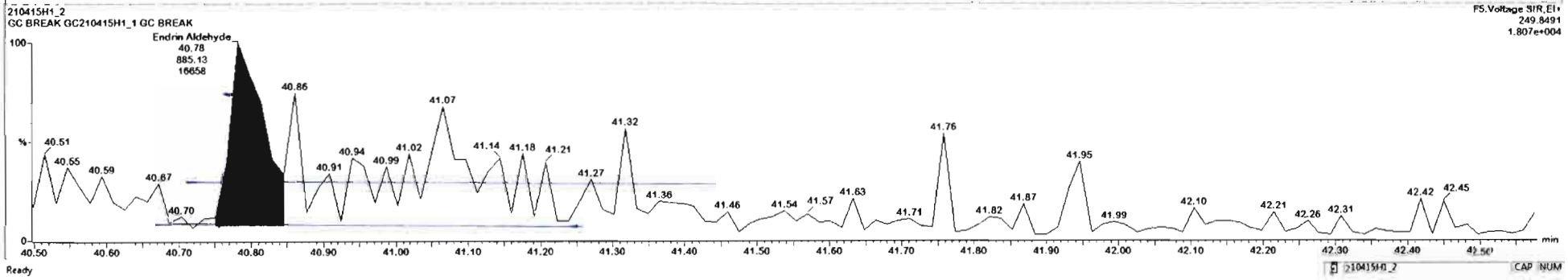
TargetLynx - unlisted * | Chromatogram

File Edit View Display Processing Window Help

210415H1_2 - GC210415H1_1 GC BREAK - GC BREAK

	#	Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	Comp
1	1	Endrin Aldehyde	1.32e3		0.59	NO		1.0000	40.80	40.81	0.000	0.000	NO				
2	2	Endrin Ketone	2.58e3		0.88	YES		1.0000	43.99	43.99	0.000	0.000	NO				
3	3	Endrin	3.40e5		1.60	NO		1.0000	38.68	38.68	0.000	0.000	NO				
4	4	4,4'-DDE	7.70e3		1.16	YES		1.0000	36.75	36.77	0.000	0.000	NO				
5	5	4,4'-DDD	2.46e4		1.22	NO		1.0000	39.15	39.15	0.000	0.000	NO				
6	6	4,4'-DDT	4.05e6		1.58	NO		1.0000	40.20	40.20	0.000	0.000	NO				
7	7	PFK4						1.0000		16.00		0.000	NO				
8	8	PFK5															



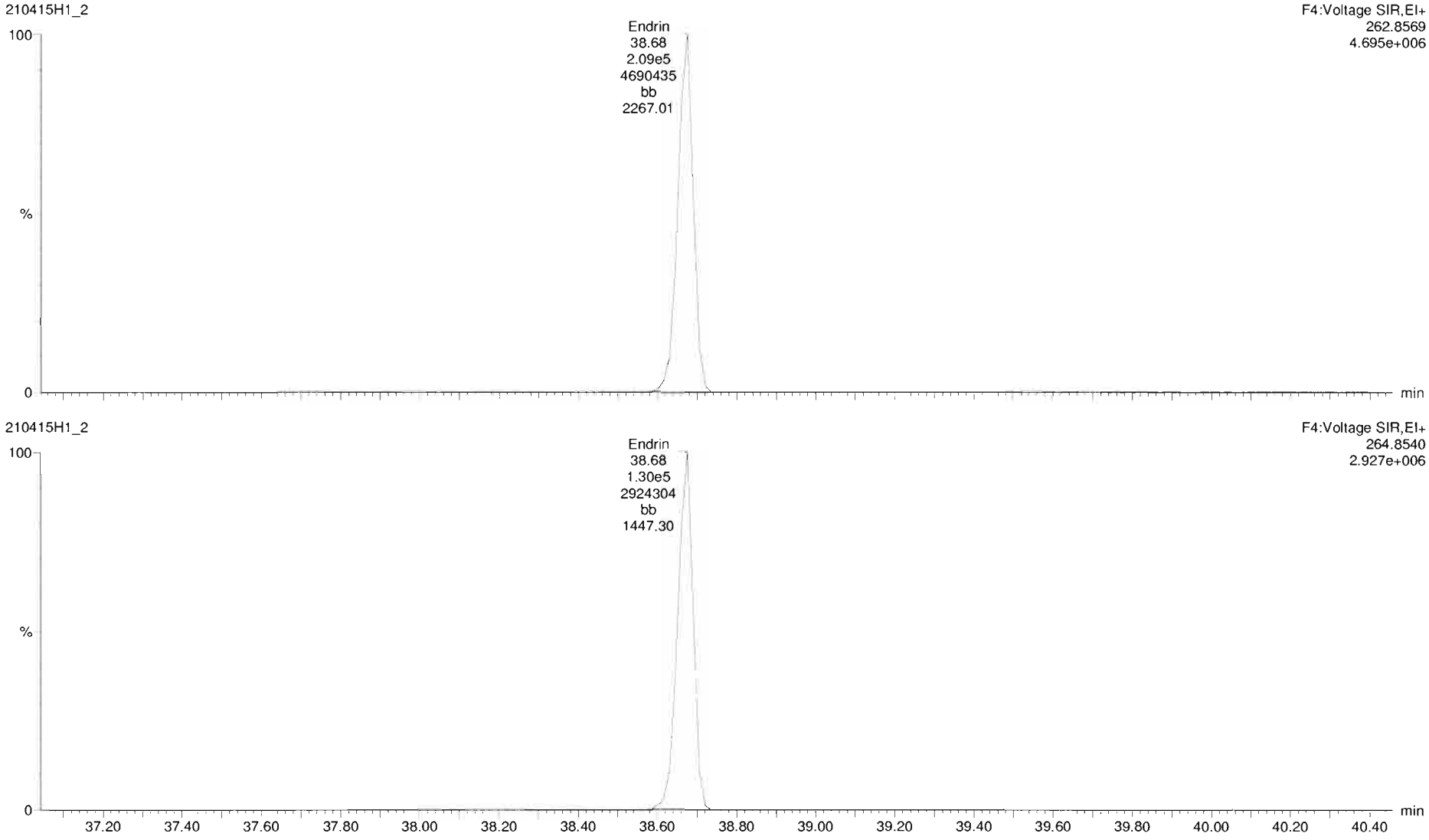


Dataset: Untitled

Last Altered: Friday, April 16, 2021 09:45:56 Pacific Daylight Time
Printed: Friday, April 16, 2021 09:48:51 Pacific Daylight Time

Name: 210415H1_2, Date: 15-Apr-2021, Time: 10:21:14, ID: GC210415H1_1 GC BREAK, Description: GC BREAK

Endrin

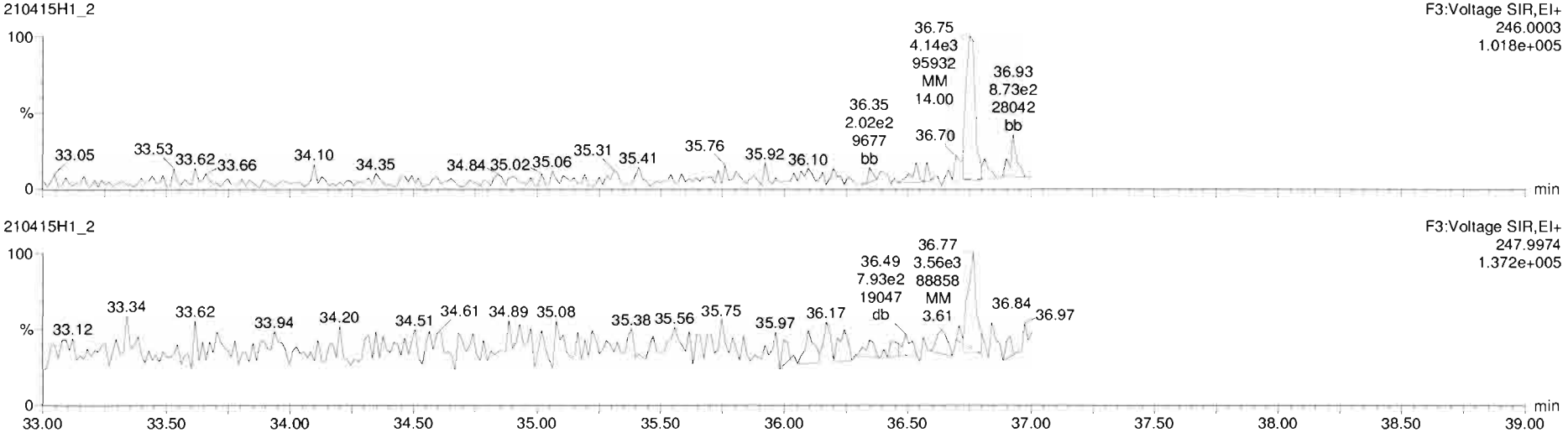


Dataset: Untitled

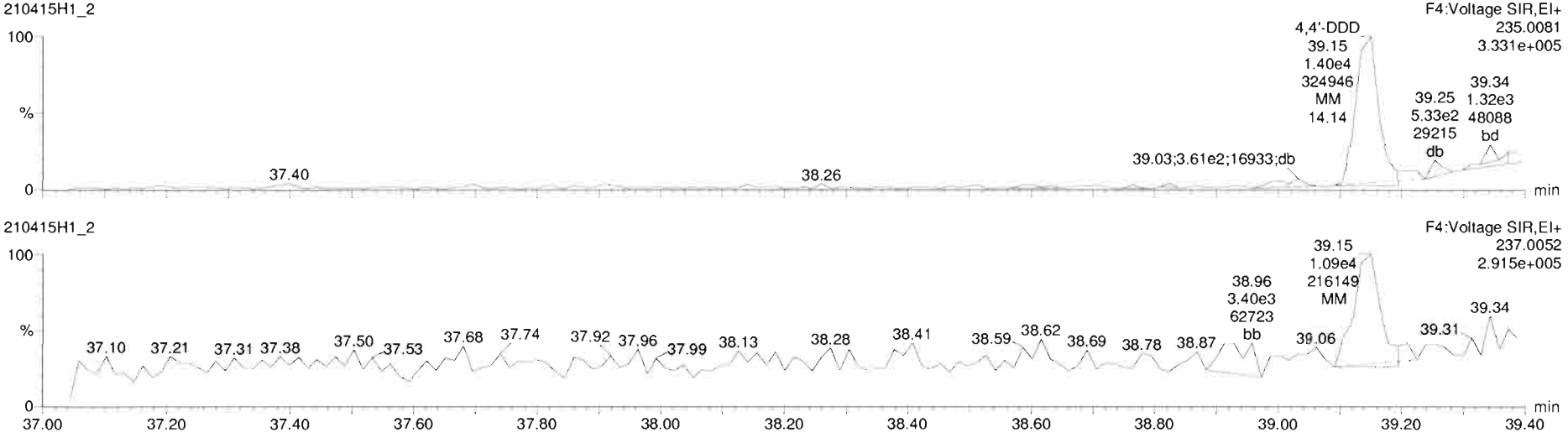
Last Altered: Friday, April 16, 2021 09:45:56 Pacific Daylight Time
Printed: Friday, April 16, 2021 09:48:51 Pacific Daylight Time

Name: 210415H1_2, Date: 15-Apr-2021, Time: 10:21:14, ID: GC210415H1_1 GC BREAK, Description: GC BREAK

4,4'-DDE



4,4'-DDD

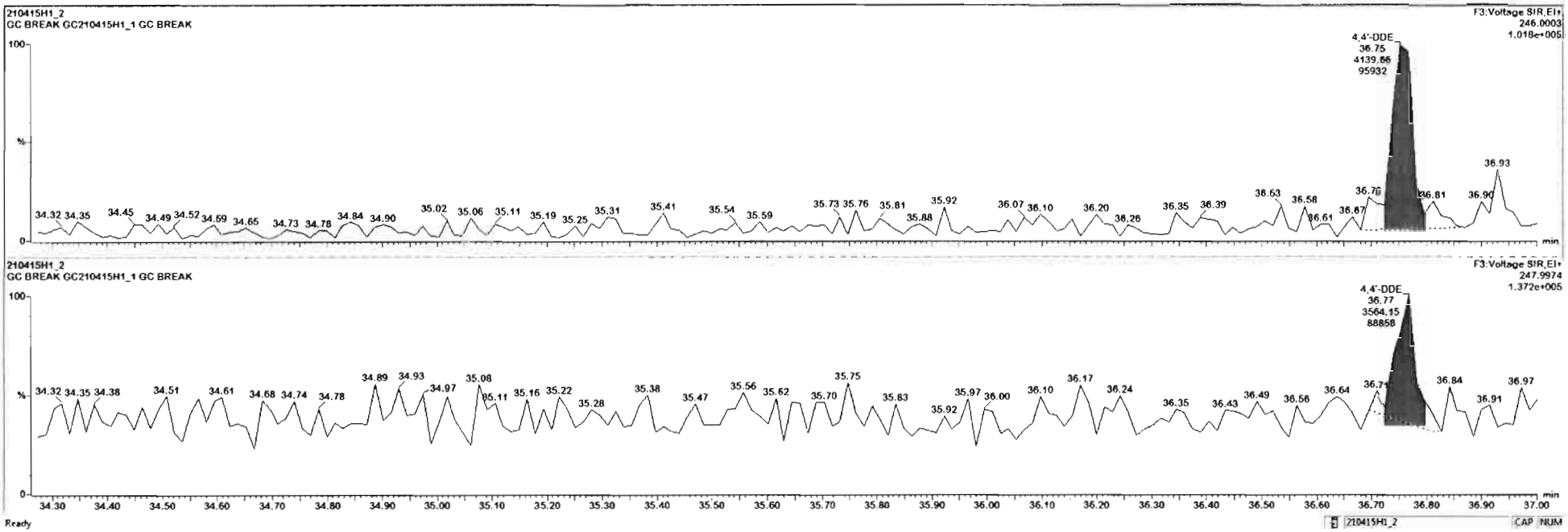


TargetLynx - untitled * - Chromatogram

File Edit View Display Processing Window Help

210415H1_2 - GC210415H1_1 GC BREAK - GC BREAK

	#	Name	Resp	ISAREA	RA	m/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
1	1	Endrin Aldehyde	1.32e3		0.50	NO		1.0000	40.80	40.81	0.000	0.000	NO				
2	2	Endrin Ketone	2.58e3		0.88	YES		1.0000	43.99	43.99	0.000	0.000	NO				
3	3	Endrin	3.40e5		1.60	NO		1.0000	38.68	38.68	0.000	0.000	NO				
4	4	4,4'-DDE	7.76e3		1.15	YES		1.0000	36.75	36.77	0.000	0.000	NO				
5	5	4,4'-DDD	2.46e4		1.22	NO		1.0000	39.15	39.15	0.000	0.000	NO				
6	6	4,4'-DDT	4.05e6		1.58	NO		1.0000	40.20	40.20	0.000	0.000	NO				
7	7	PFK4						1.0000		16.00		0.000	NO				
8	8	PFK5															



Ready

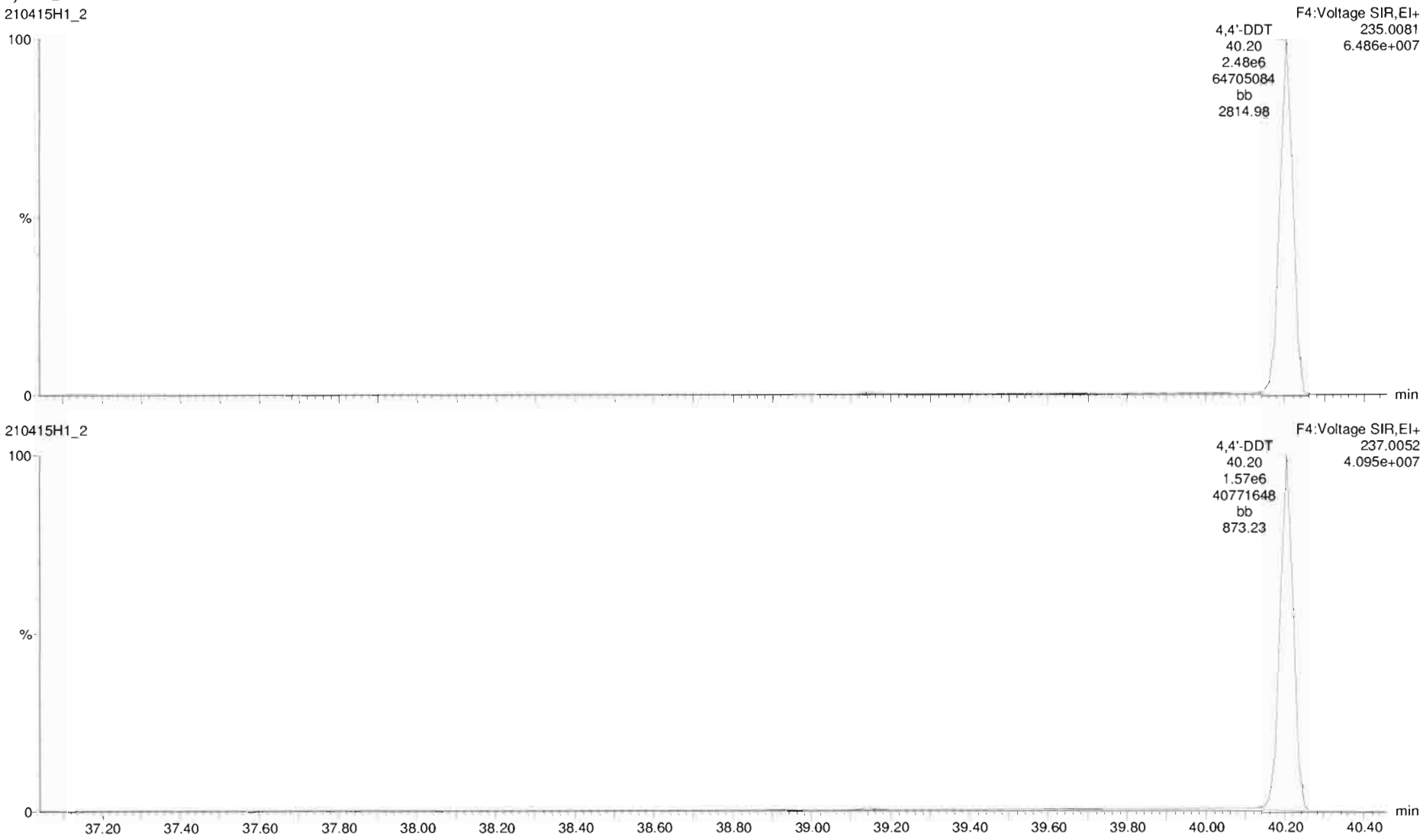
210415H1_2 CAP NUM

Dataset: Untitled

Last Altered: Friday, April 16, 2021 09:45:56 Pacific Daylight Time
Printed: Friday, April 16, 2021 09:48:51 Pacific Daylight Time

Name: 210415H1_2, Date: 15-Apr-2021, Time: 10:21:14, ID: GC210415H1_1 GC BREAK, Description: GC BREAK

4,4'-DDT

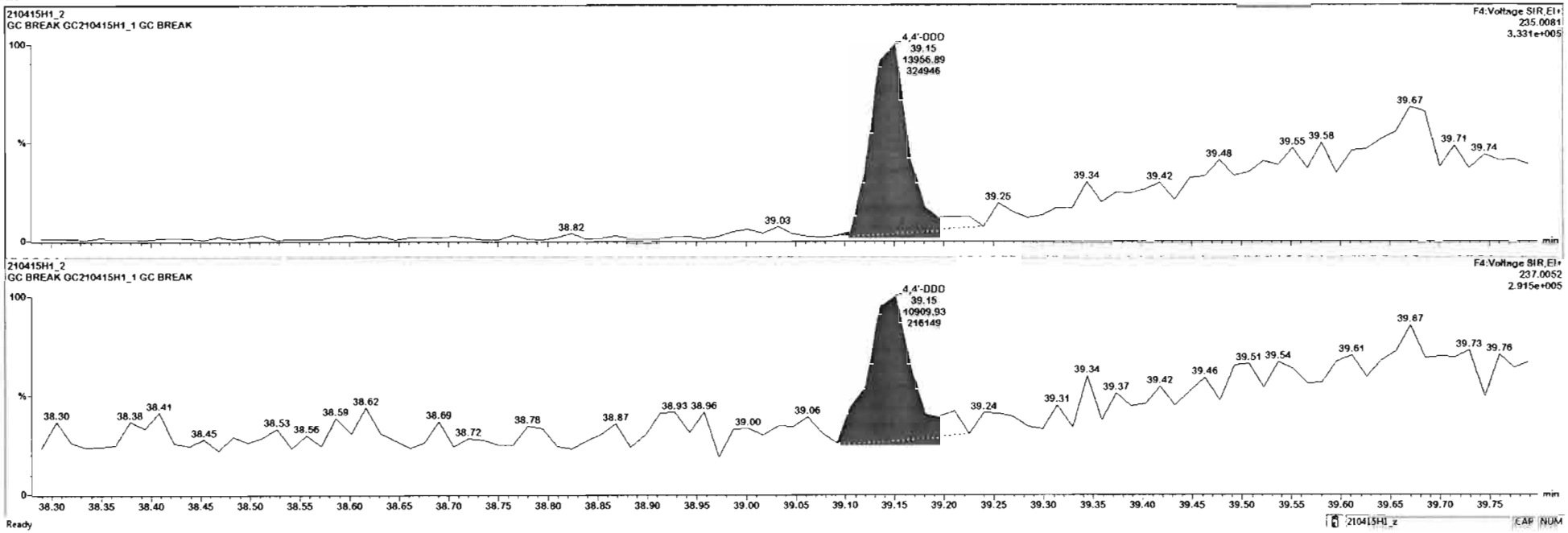


TargetLynx - untitled * [Chromatogram]

File Edit View Display Processing Window Help

210415H1_2 - GC210415H1_1 GC BREAK - GC BREAK

	#	Name	Resp	IS AREA	RA	rrly	RRF	w/Vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
1	1	Endrin Aldehyde	1.32e3		0.50	NO		1.0000	40.80	40.81	0.000	0.000	NO				
2	2	Endrin Ketone	2.58e3		0.88	YES		1.0000	43.99	43.99	0.000	0.000	NO				
3	3	Endrin	3.40e5		1.60	NO		1.0000	38.68	38.68	0.000	0.000	NO				
4	4	4,4'-DDE	7.70e3		1.16	YES		1.0000	36.75	36.77	0.000	0.000	NO				
5	5	4,4'-DDD	2.49e4		1.28	NO		1.0000	39.15	39.15	0.000	0.000	NO				
6	6	4,4'-DDT	4.05e6		1.58	NO		1.0000	40.20	40.20	0.000	0.000	NO				
7	7	PFK4						1.0000		16.00		0.000	NO				
8	8	PFK5															



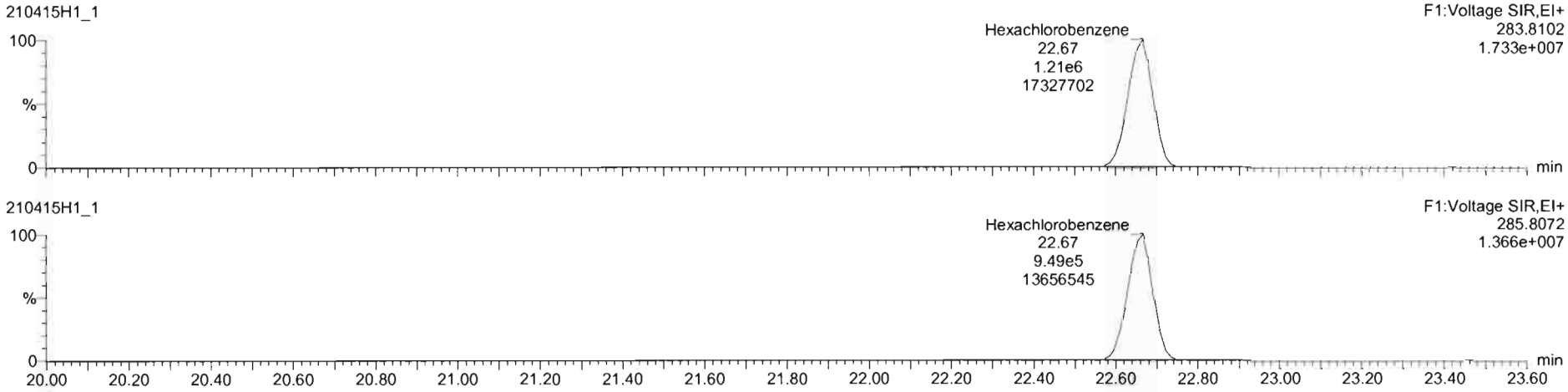
Dataset: U:\vg10.PRO\Results\210415H1\210415H1_1.qld

Last Altered: Friday, April 16, 2021 09:05:22 Pacific Daylight Time
Printed: Friday, April 16, 2021 09:06:27 Pacific Daylight Time

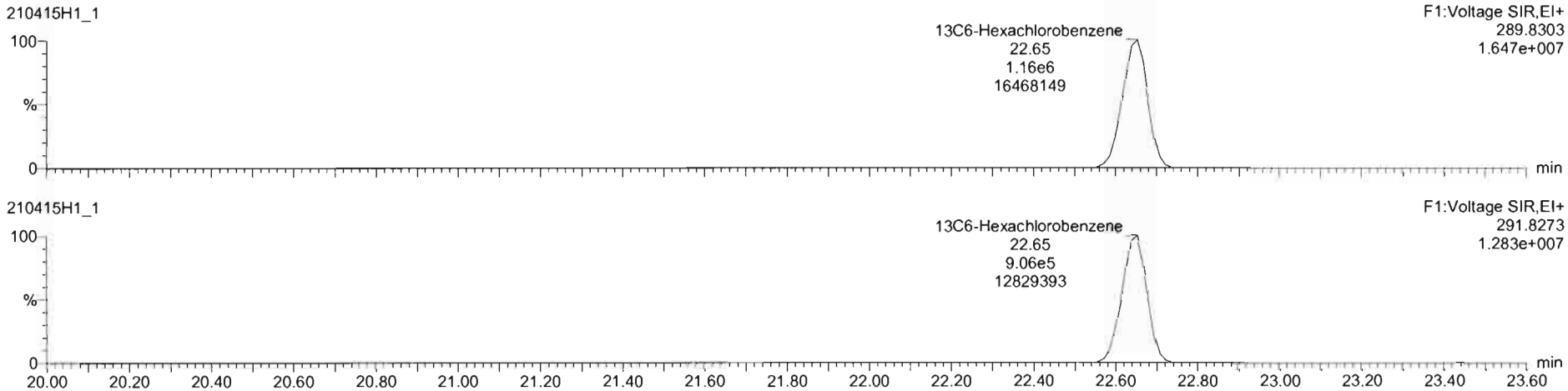
Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210415H1_1, Date: 15-Apr-2021, Time: 09:31:31, ID: ST210415H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

Hexachlorobenzene



13C6-Hexachlorobenzene

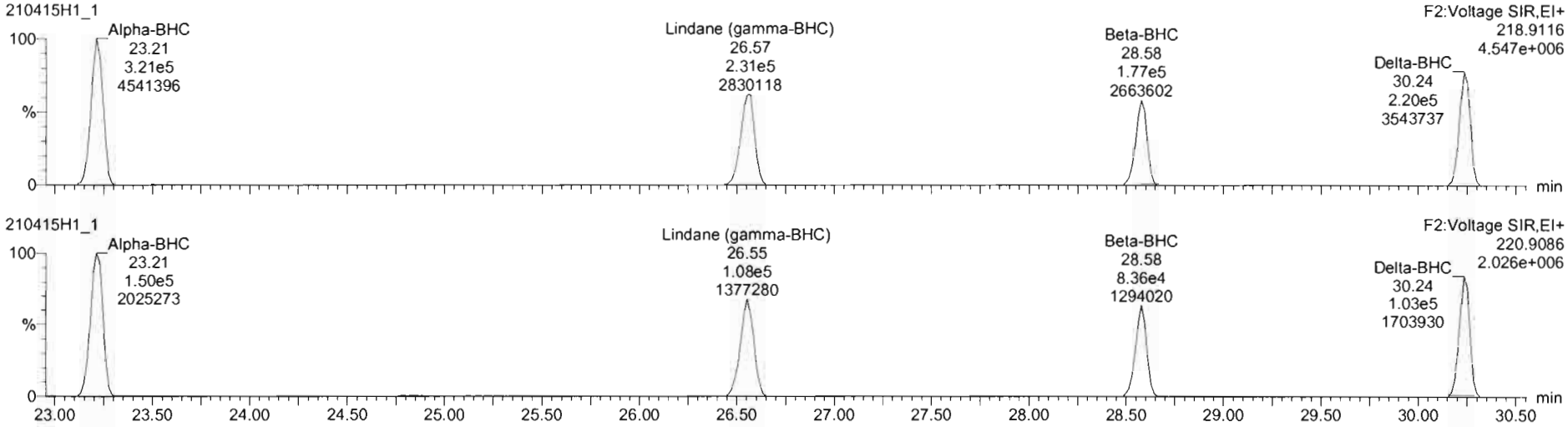


Dataset: U:\vg10.PRO\Results\210415H1\210415H1_1.qld

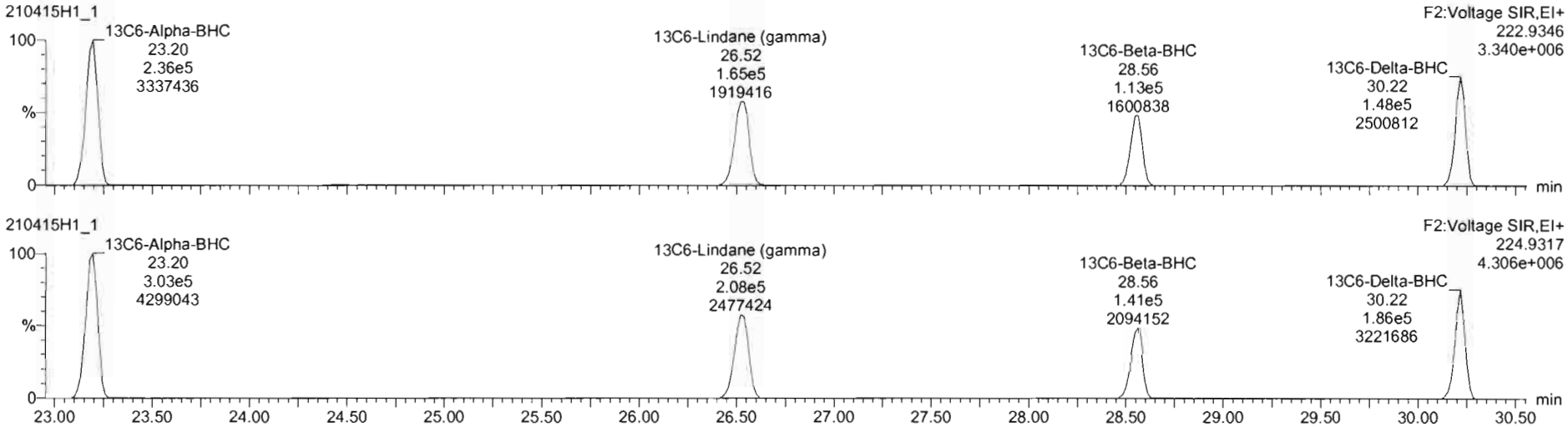
Last Altered: Friday, April 16, 2021 09:05:22 Pacific Daylight Time
Printed: Friday, April 16, 2021 09:06:27 Pacific Daylight Time

Name: 210415H1_1, Date: 15-Apr-2021, Time: 09:31:31, ID: ST210415H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

BHC Totals



BHC-isotopes

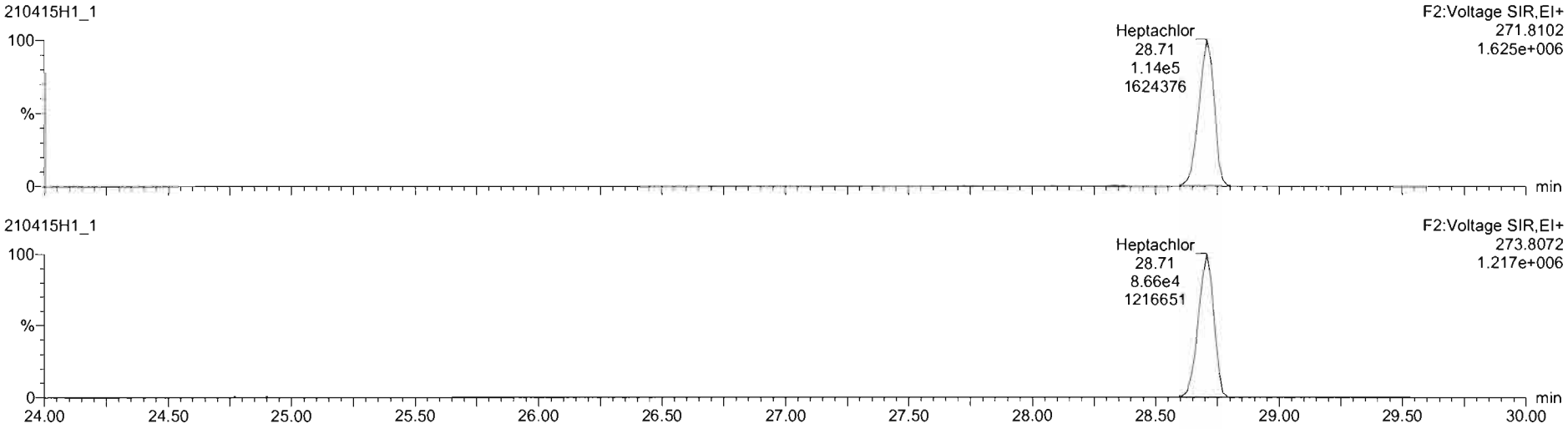


Dataset: U:\vg10.PRO\Results\210415H1\210415H1_1.qld

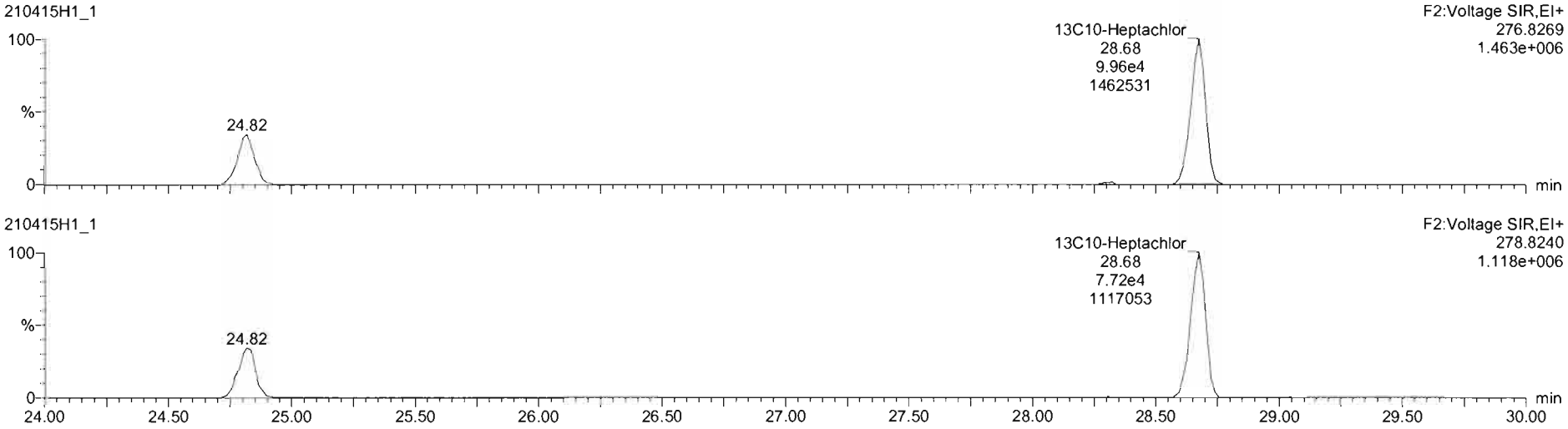
Last Altered: Friday, April 16, 2021 09:05:22 Pacific Daylight Time
Printed: Friday, April 16, 2021 09:06:27 Pacific Daylight Time

Name: 210415H1_1, Date: 15-Apr-2021, Time: 09:31:31, ID: ST210415H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

Heptachlor



13C10-Heptachlor

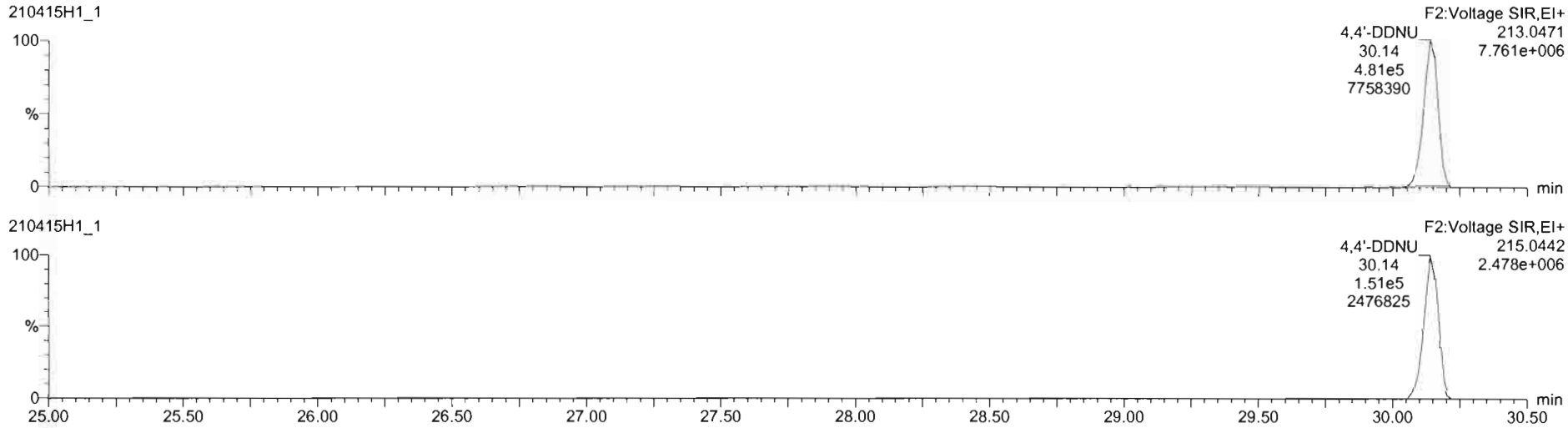


Dataset: U:\vg10.PRO\Results\210415H1\210415H1_1.qld

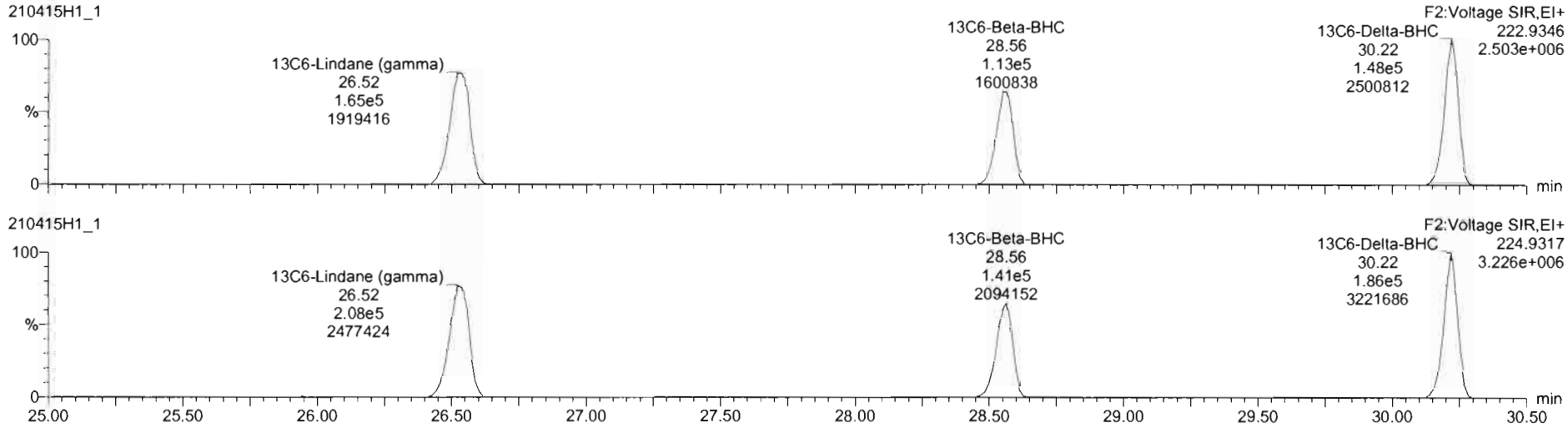
Last Altered: Friday, April 16, 2021 09:05:22 Pacific Daylight Time
Printed: Friday, April 16, 2021 09:06:27 Pacific Daylight Time

Name: 210415H1_1, Date: 15-Apr-2021, Time: 09:31:31, ID: ST210415H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

4,4'-DDNU



13C6-Delta-BHC



Dataset: U:\vg10.PRO\Results\210415H1\210415H1_1.qld

Last Altered: Friday, April 16, 2021 09:05:22 Pacific Daylight Time
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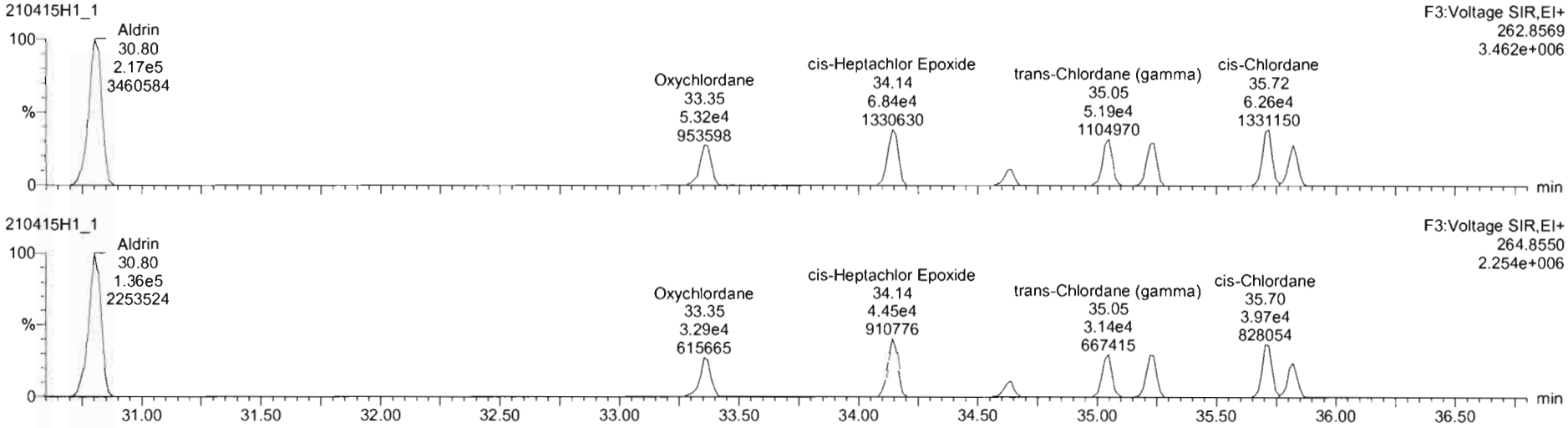
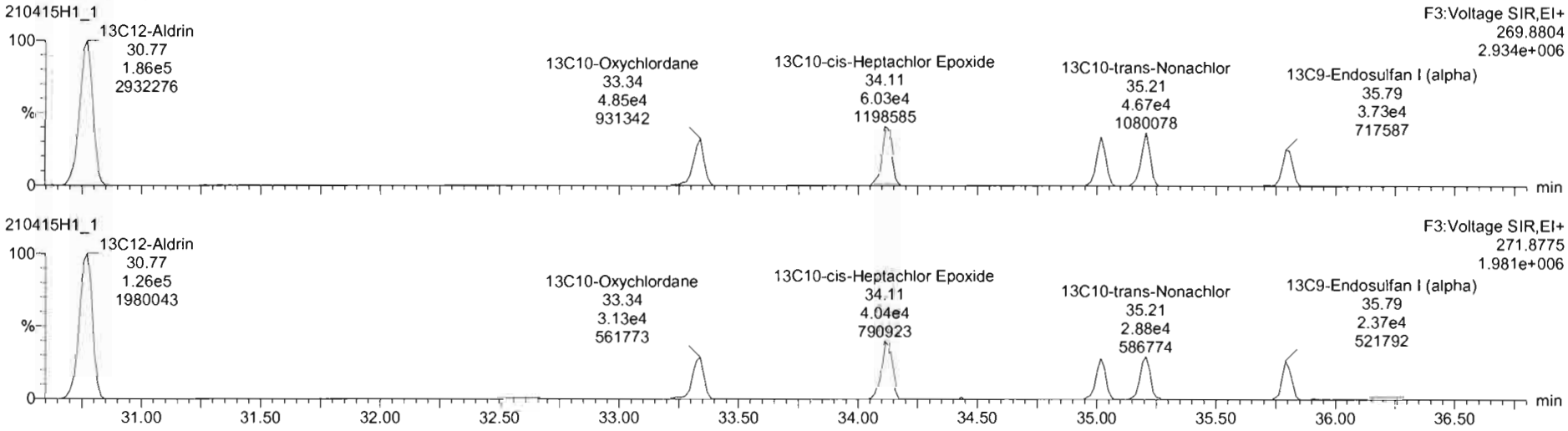
Name: 210415H1_1, Date: 15-Apr-2021, Time: 09:31:31, ID: ST210415H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

Aldrin-EI



Aldrin-EI-isotopes



Dataset: U:\vg10.PRO\Results\210415H1\210415H1_1.qld

Last Altered: Friday, April 16, 2021 09:05:22 Pacific Daylight Time
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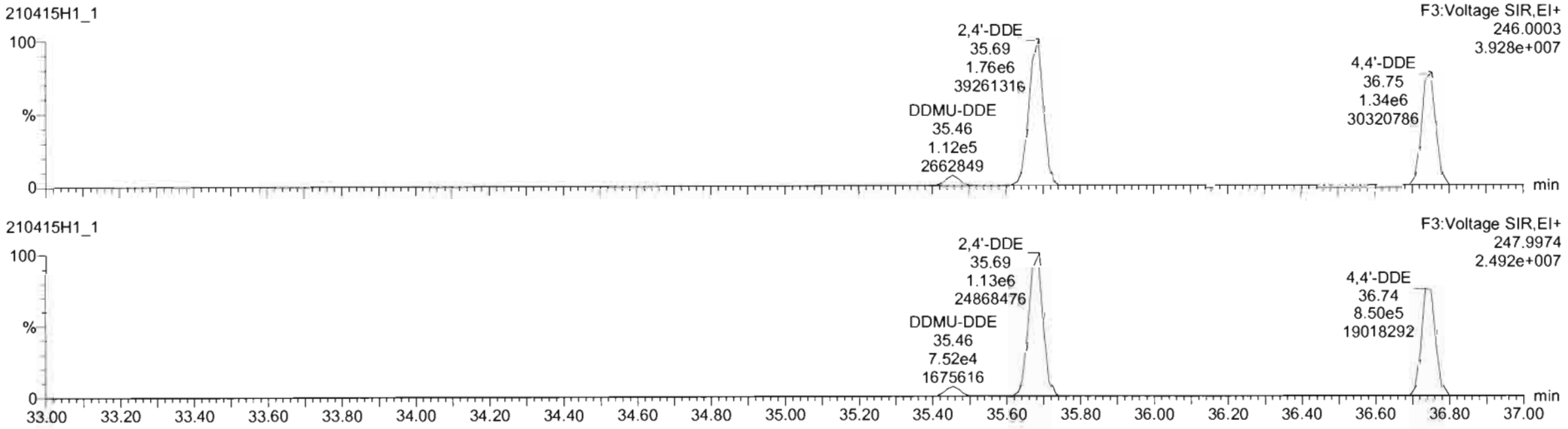
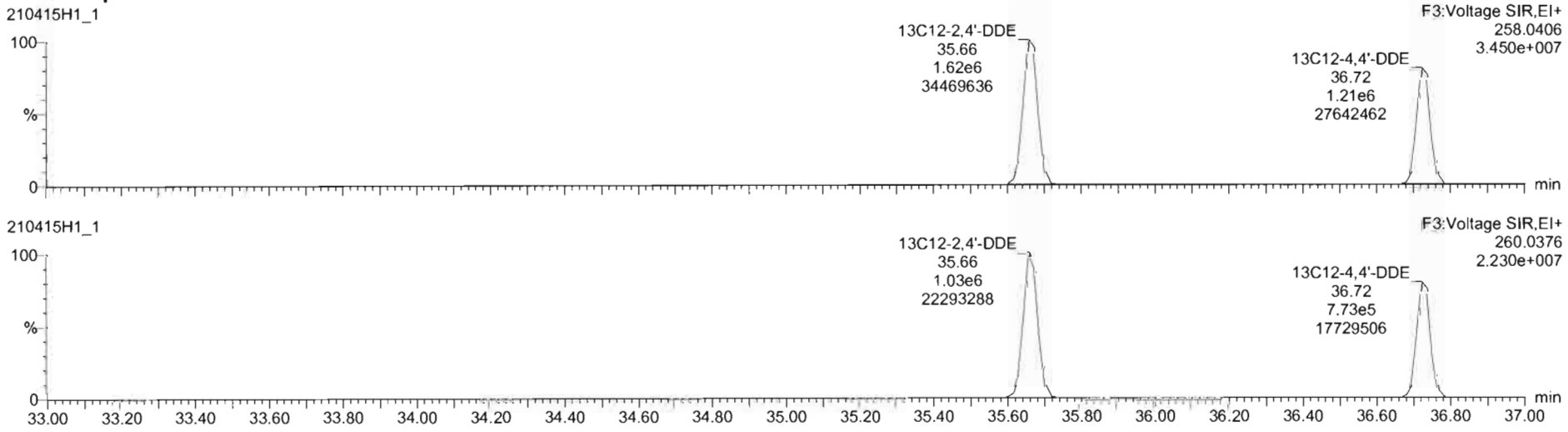
Name: 210415H1_1, Date: 15-Apr-2021, Time: 09:31:31, ID: ST210415H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

DDMU-DDE



DDE-isotopes



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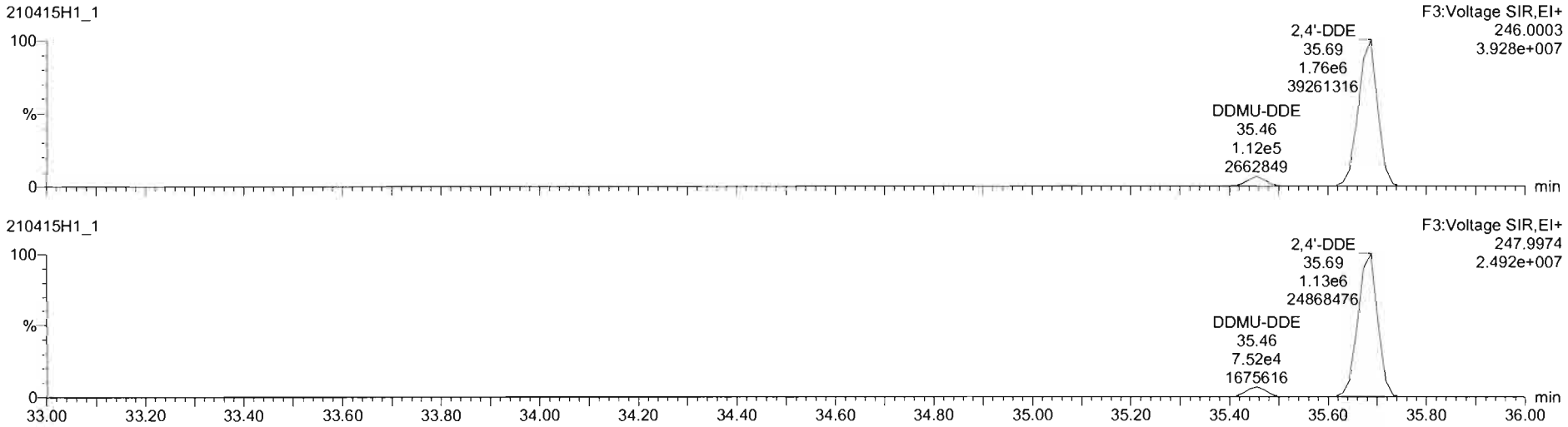
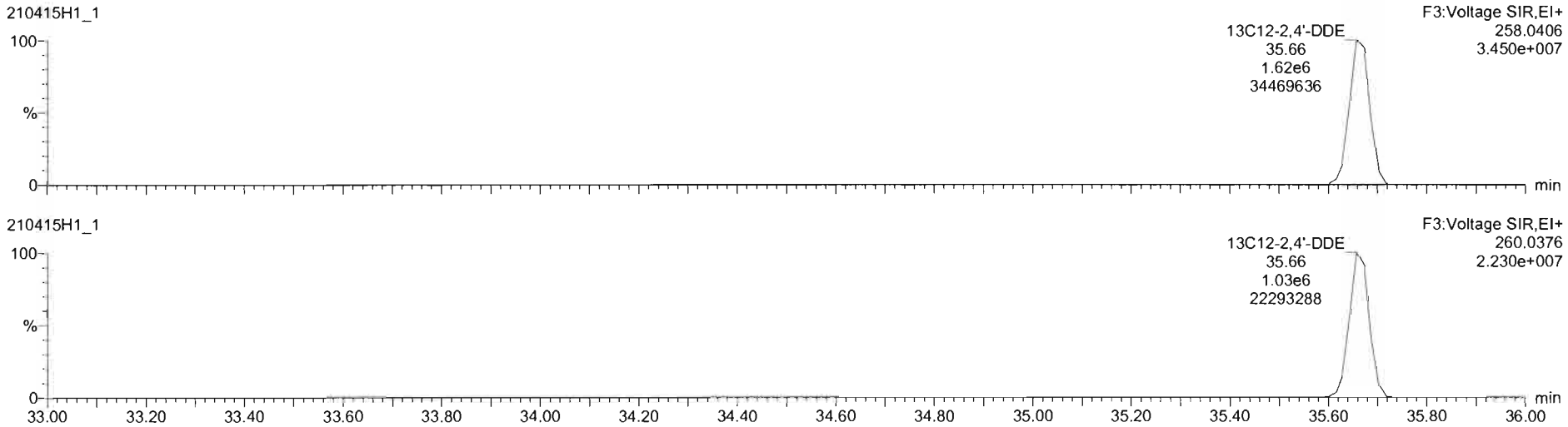
Last Altered: Friday, April 16, 2021 09:05:22 Pacific Daylight Time
Printed: Friday, April 16, 2021 09:06:27 Pacific Daylight Time

Name: 210415H1_1, Date: 15-Apr-2021, Time: 09:31:31, ID: ST210415H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

2,4'-DDE



13C12-2,4'-DDE



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Last Altered: Friday, April 16, 2021 09:05:22 Pacific Daylight Time
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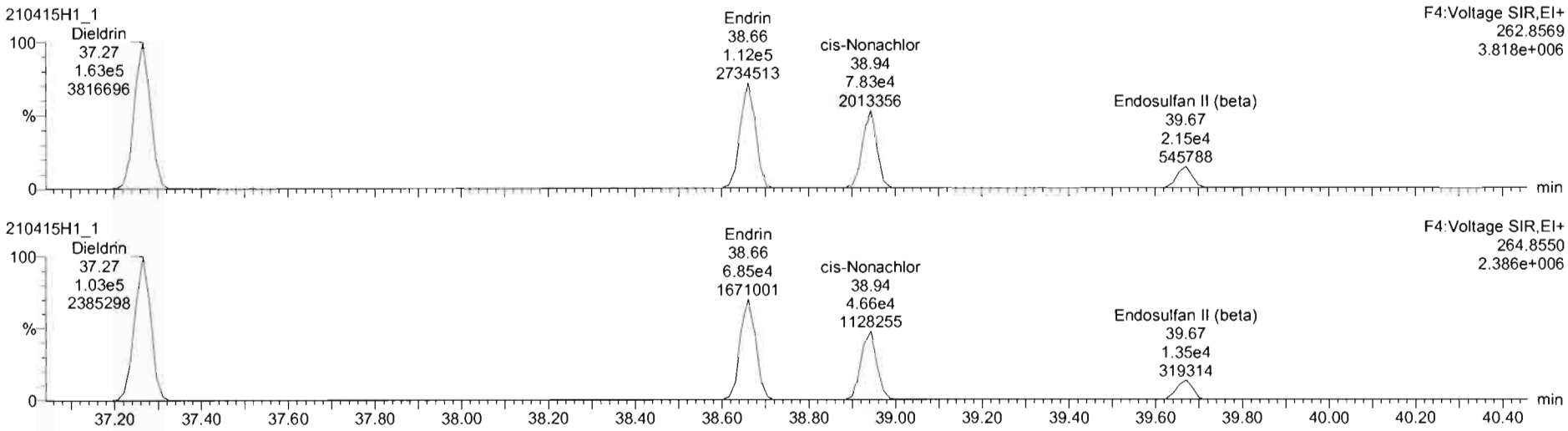
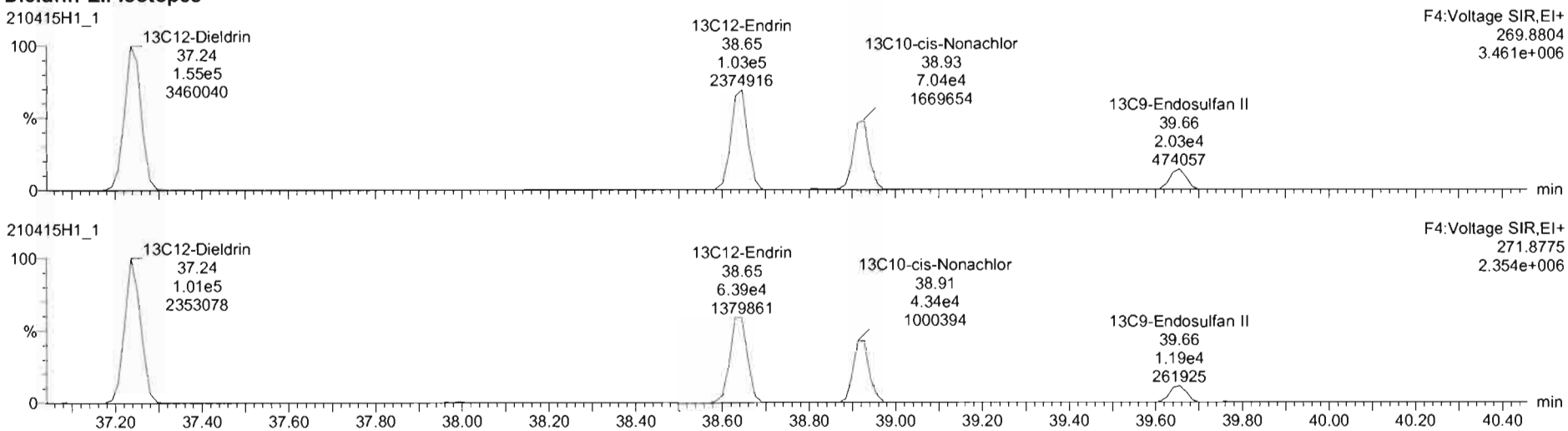
Name: 210415H1_1, Date: 15-Apr-2021, Time: 09:31:31, ID: ST210415H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

Dieldrin-EII



Dieldrin-EII-isotopes



Dataset: U:\vg10.PRO\Results\210415H1\210415H1_1.qld

Last Altered: Friday, April 16, 2021 09:05:22 Pacific Daylight Time
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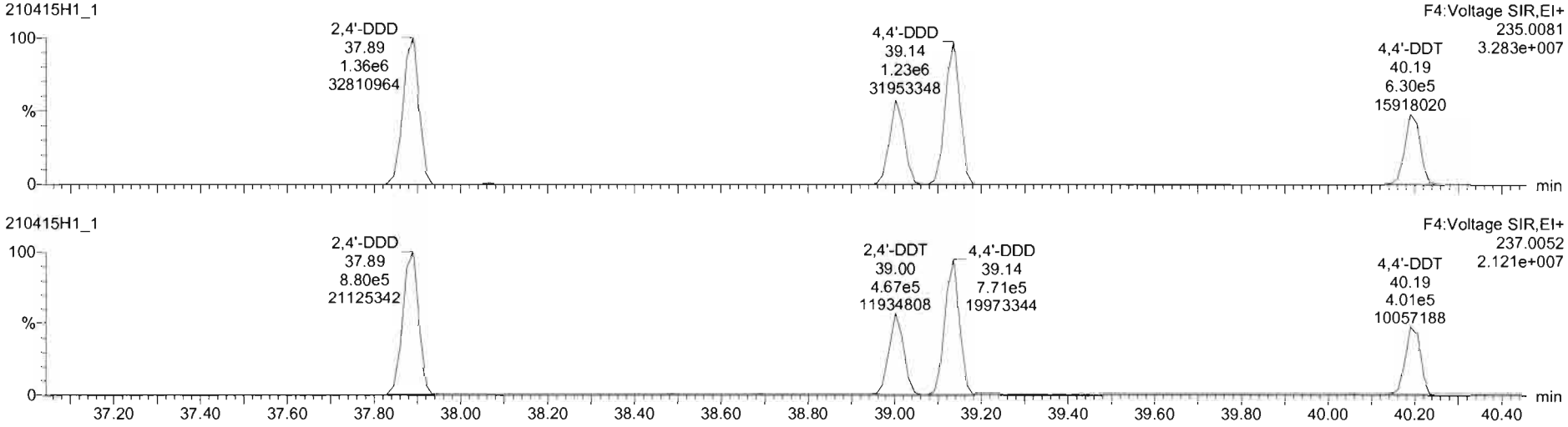
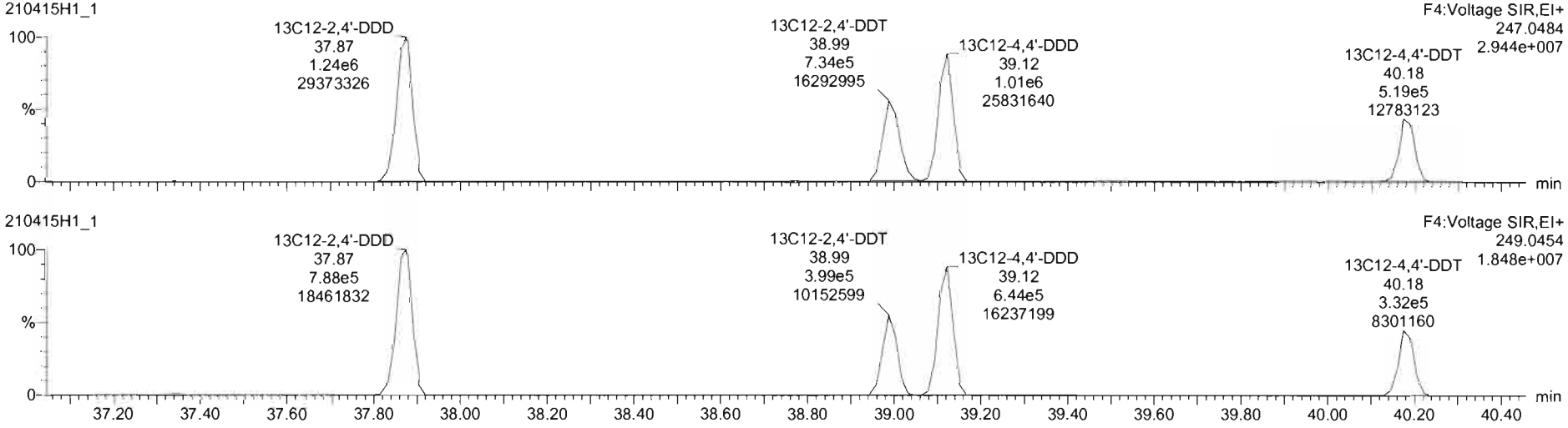
Name: 210415H1_1, Date: 15-Apr-2021, Time: 09:31:31, ID: ST210415H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

DDD-DDT



DDD-DDT-isotopes



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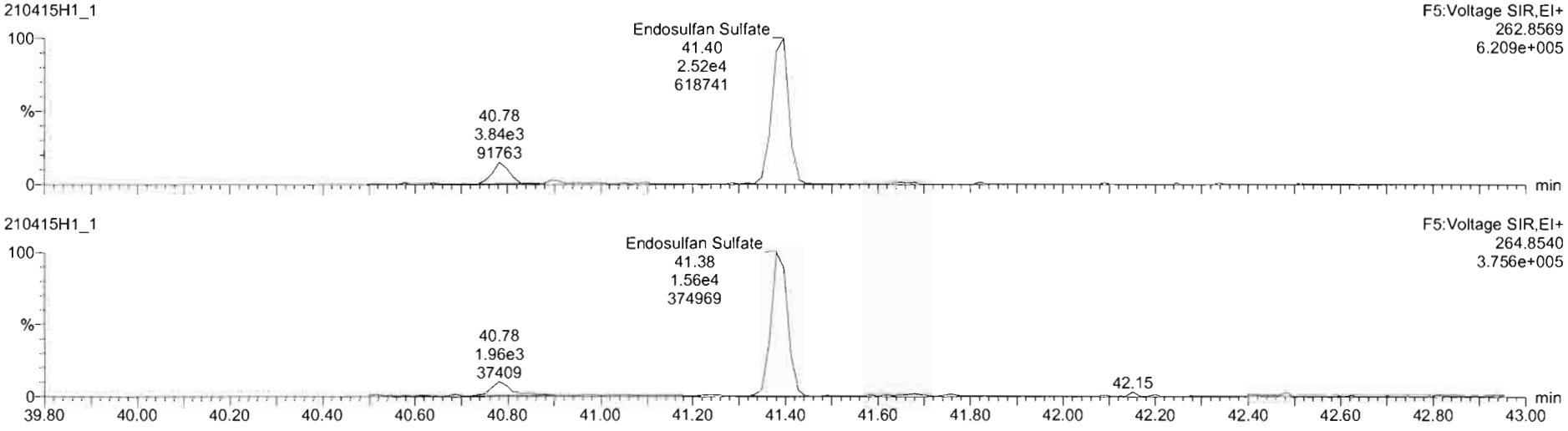
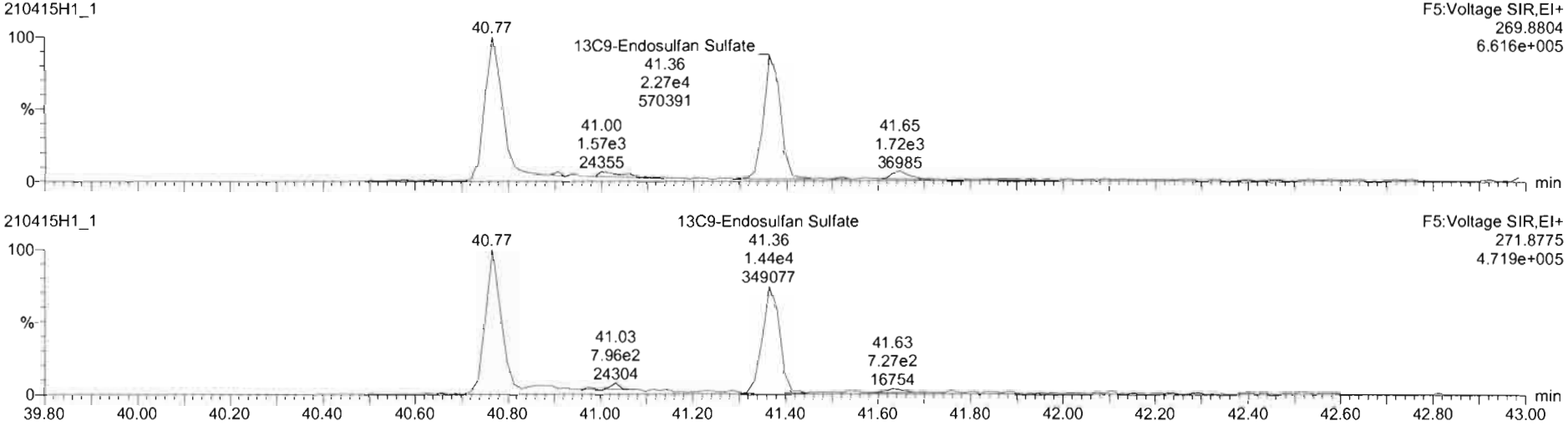
Last Altered: Friday, April 16, 2021 09:05:22 Pacific Daylight Time
Printed: Friday, April 16, 2021 09:06:27 Pacific Daylight Time

Name: 210415H1_1, Date: 15-Apr-2021, Time: 09:31:31, ID: ST210415H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

Endosulfan Sulfate



13C9-Endosulfan Sulfate



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Last Altered: Friday, April 16, 2021 09:05:22 Pacific Daylight Time
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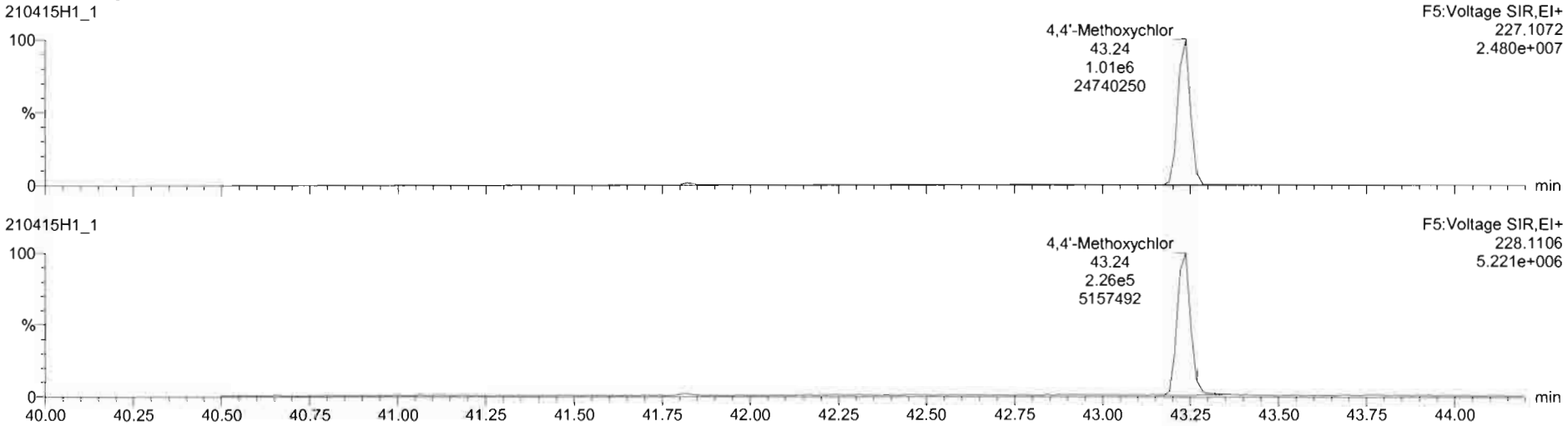
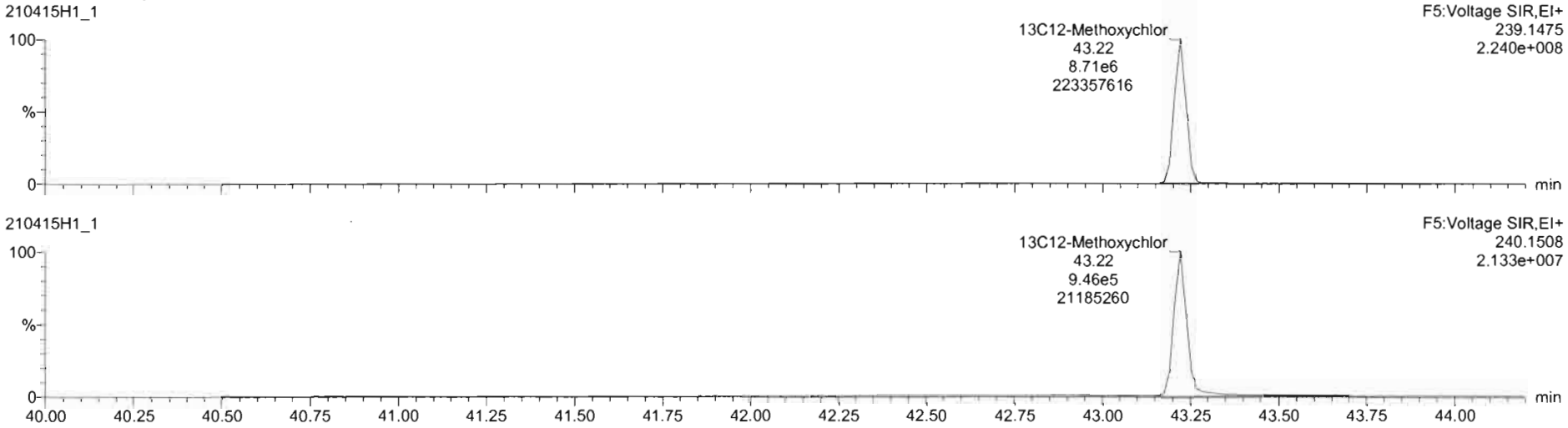
Name: 210415H1_1, Date: 15-Apr-2021, Time: 09:31:31, ID: ST210415H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

4,4'-Methoxychlor



13C12-Methoxychlor



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Last Altered: Friday, April 16, 2021 09:05:22 Pacific Daylight Time
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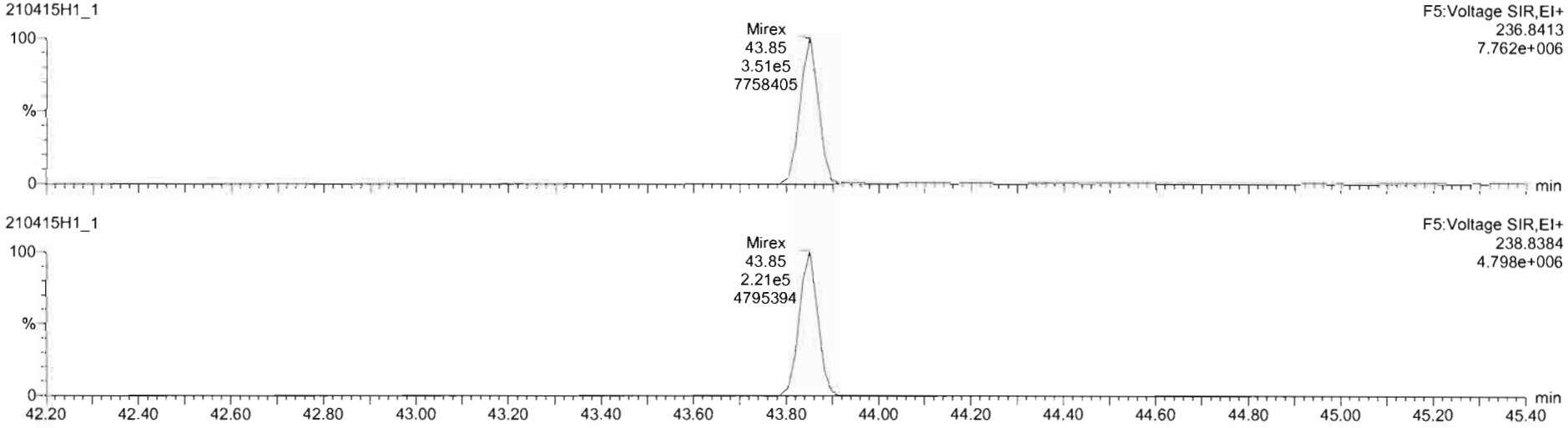
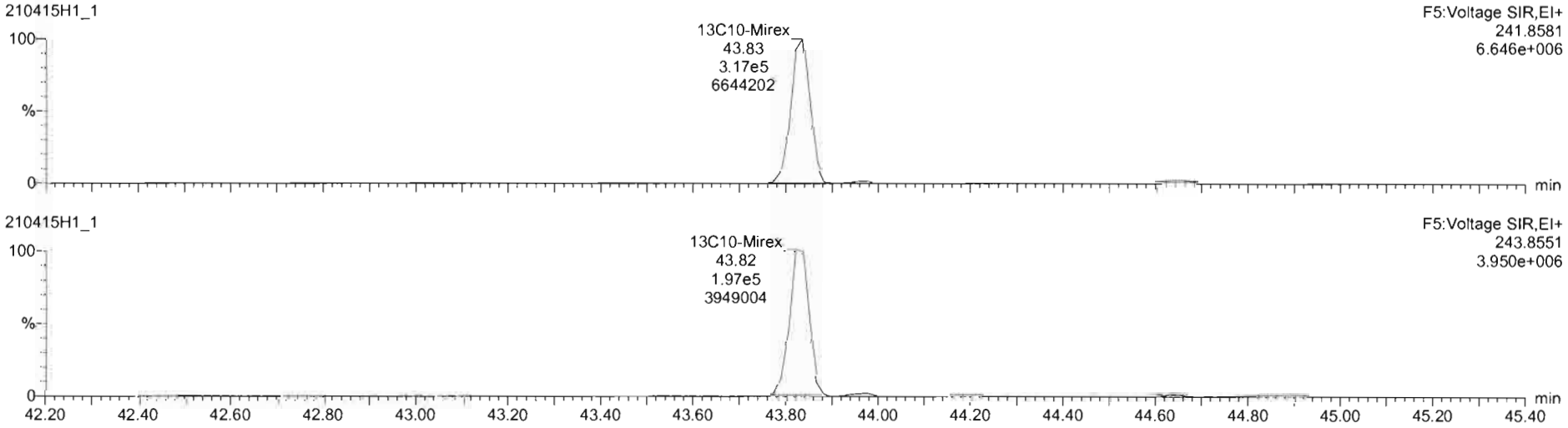
Name: 210415H1_1, Date: 15-Apr-2021, Time: 09:31:31, ID: ST210415H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

Mirex



13C10-Mirex



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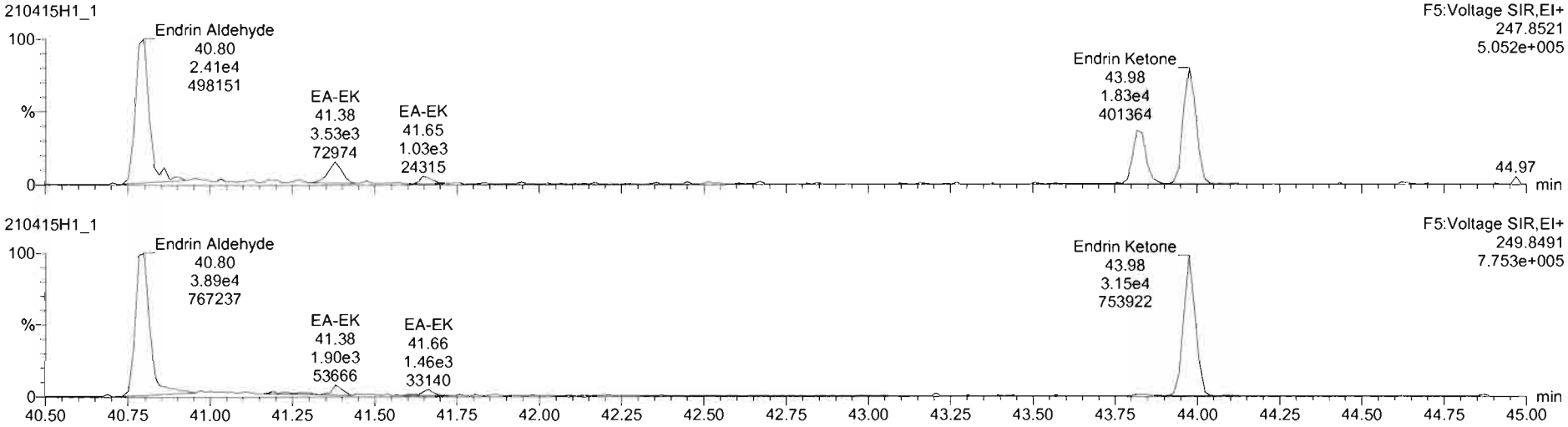
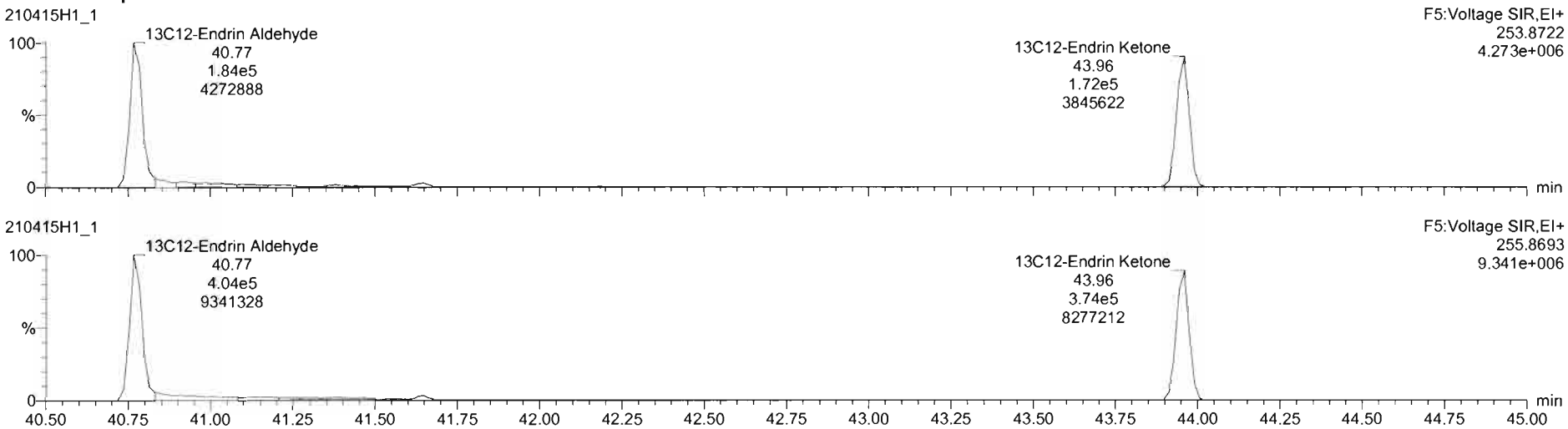
Last Altered: Friday, April 16, 2021 09:05:22 Pacific Daylight Time
Printed: Friday, April 16, 2021 09:06:27 Pacific Daylight Time

Name: 210415H1_1, Date: 15-Apr-2021, Time: 09:31:31, ID: ST210415H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

EA-EK



EA-EK-isotopes

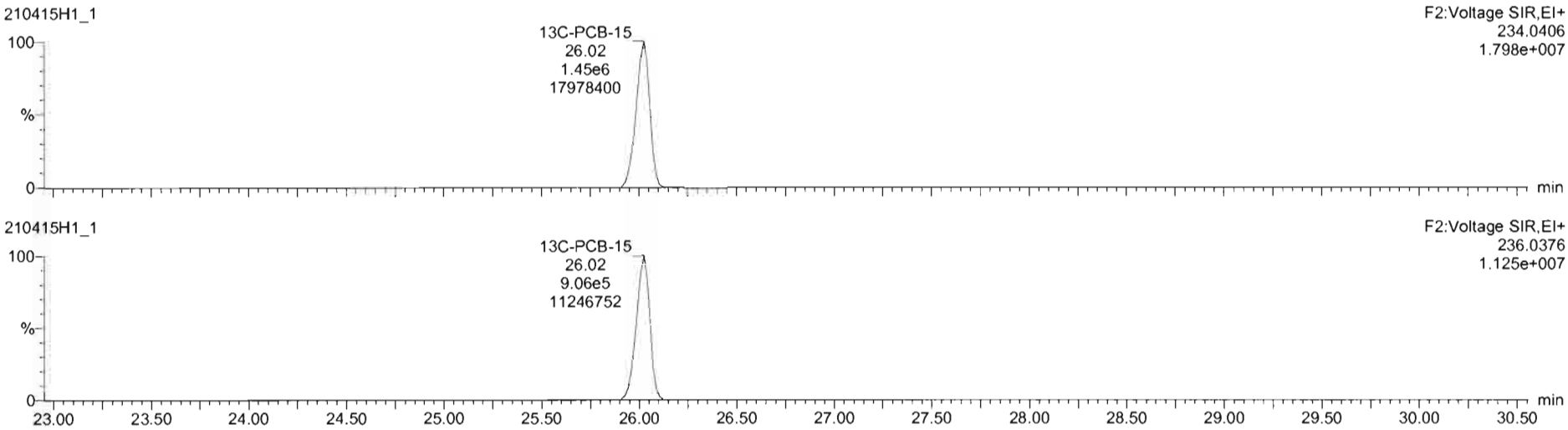


Dataset: U:\vg10.PRO\Results\210415H1\210415H1_1.qld

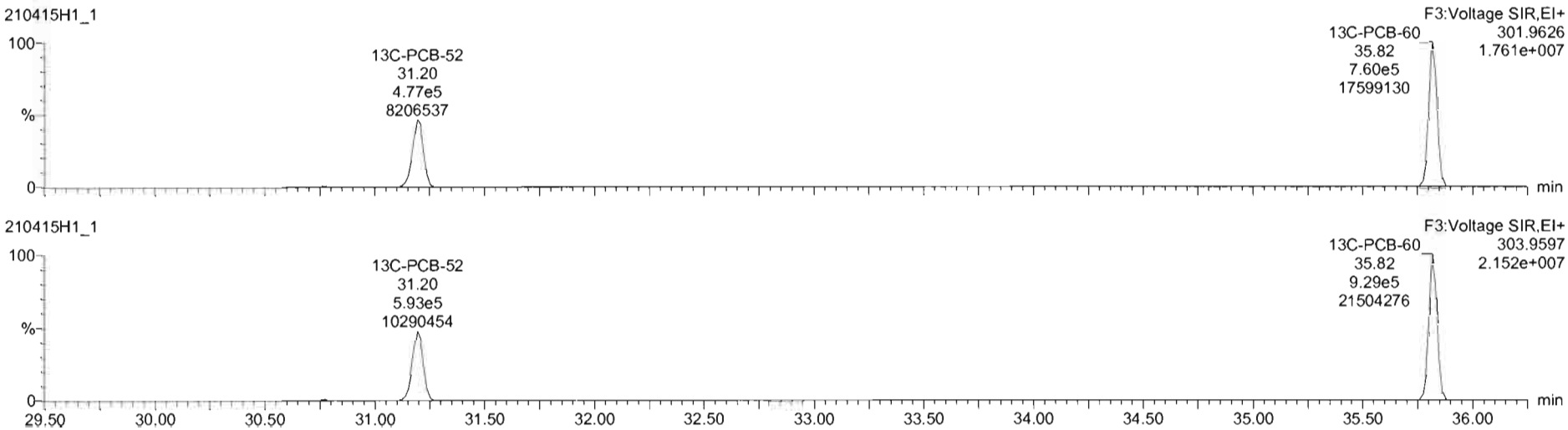
Last Altered: Friday, April 16, 2021 09:05:22 Pacific Daylight Time
Printed: Friday, April 16, 2021 09:06:27 Pacific Daylight Time

Name: 210415H1_1, Date: 15-Apr-2021, Time: 09:31:31, ID: ST210415H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

13C-PCB-15



13C-PCB-60

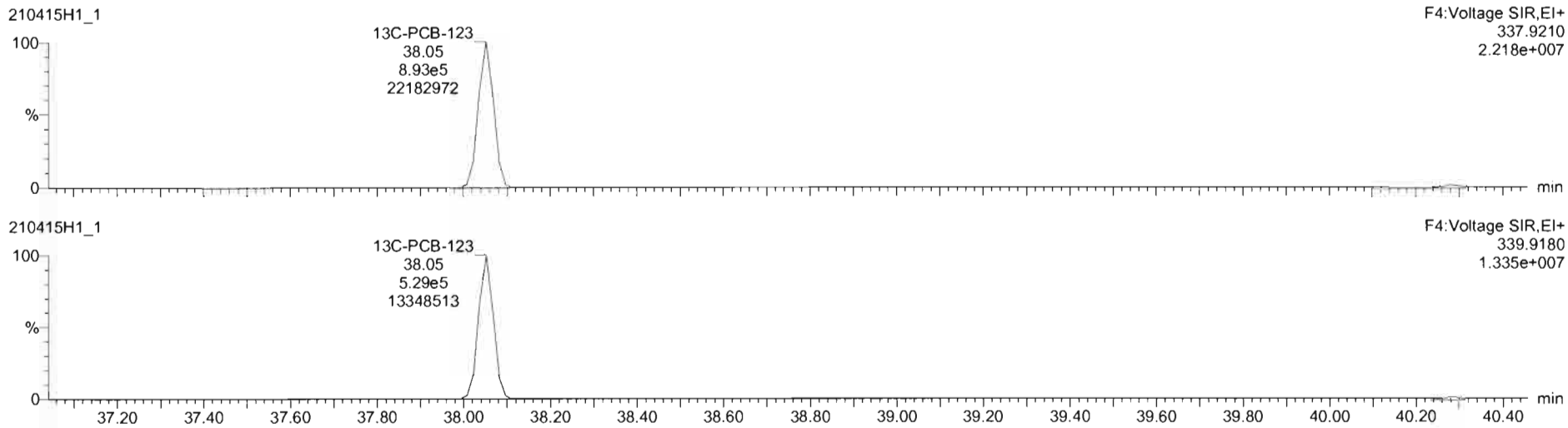


Dataset: U:\vg10.PRO\Results\210415H1\210415H1_1.qld

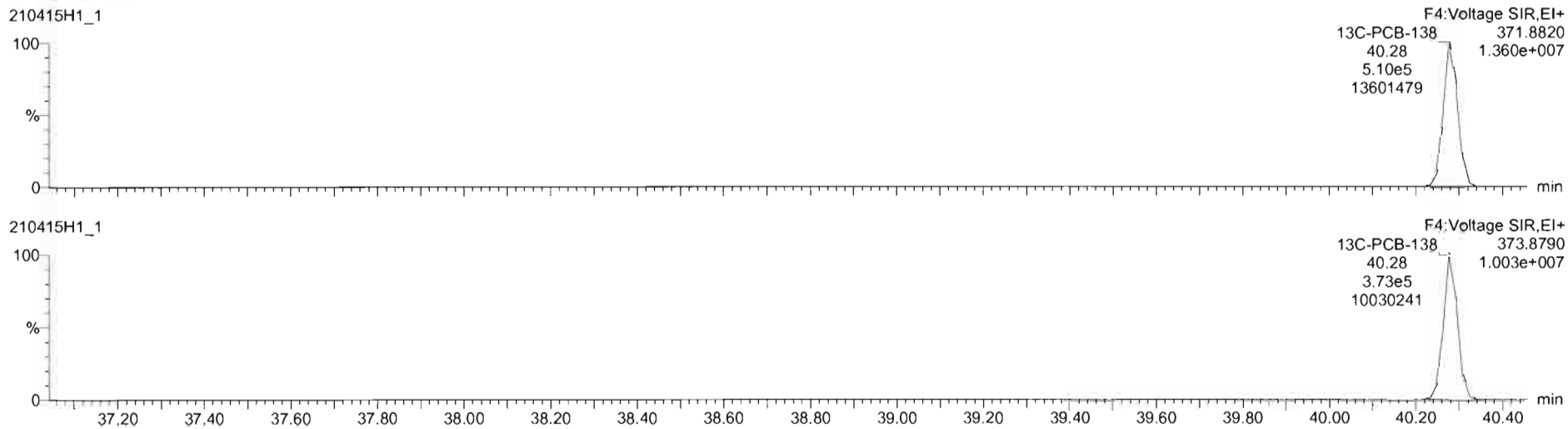
Last Altered: Friday, April 16, 2021 09:05:22 Pacific Daylight Time
Printed: Friday, April 16, 2021 09:06:27 Pacific Daylight Time

Name: 210415H1_1, Date: 15-Apr-2021, Time: 09:31:31, ID: ST210415H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

13C-PCB-123



13C-PCB-138



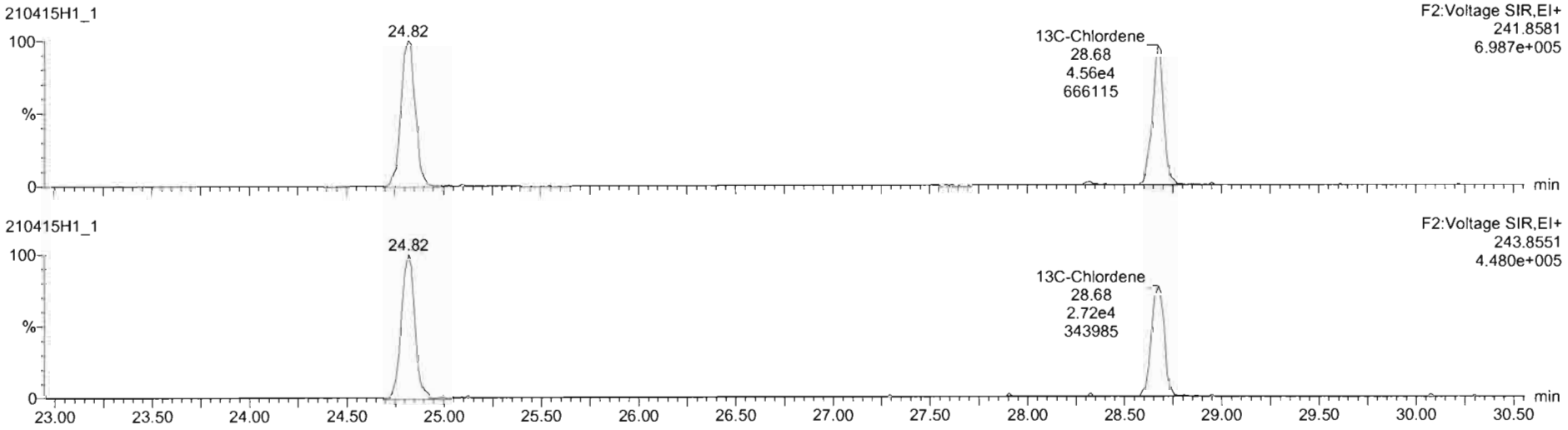
Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210415H1\210415H1_1.qld

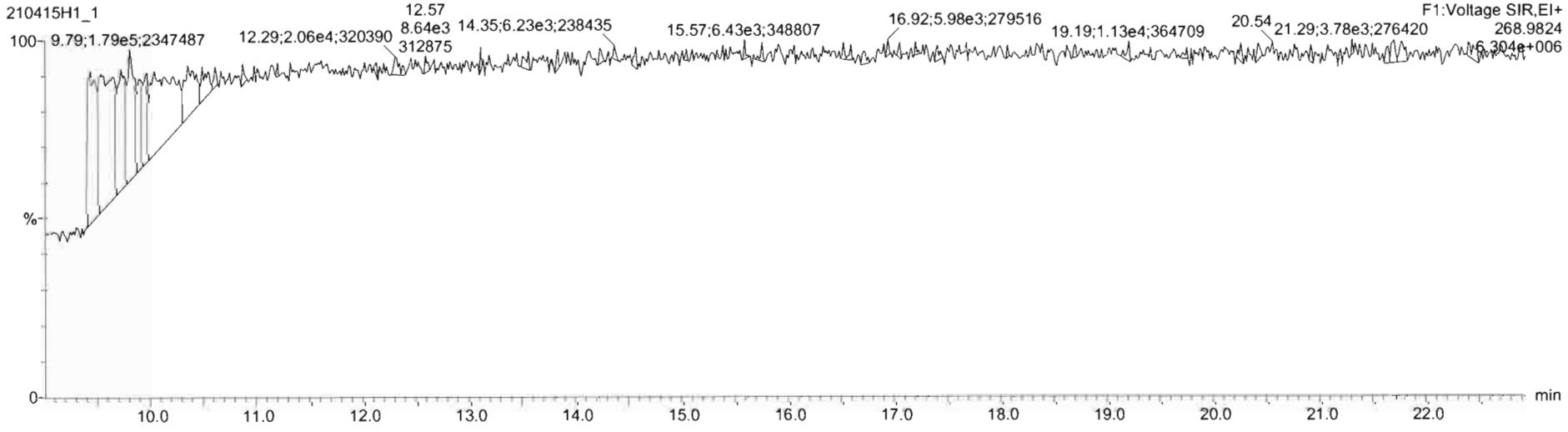
Last Altered: Friday, April 16, 2021 09:05:22 Pacific Daylight Time
Printed: Friday, April 16, 2021 09:06:27 Pacific Daylight Time

Name: 210415H1_1, Date: 15-Apr-2021, Time: 09:31:31, ID: ST210415H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

13C-Chlordene



PFK1

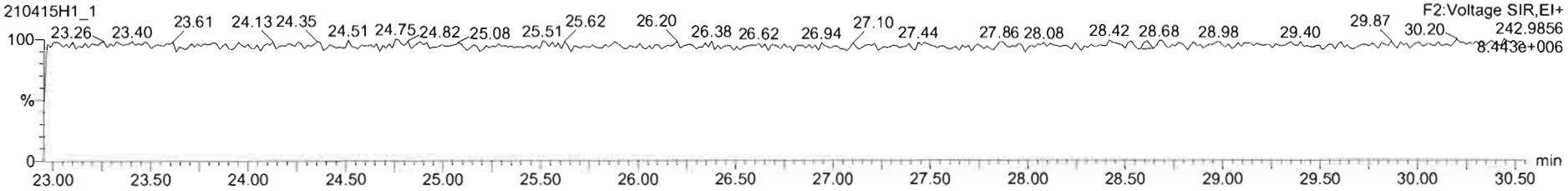


Dataset: U:\vg10.PRO\Results\210415H1\210415H1_1.qld

Last Altered: Friday, April 16, 2021 09:05:22 Pacific Daylight Time
Printed: Friday, April 16, 2021 09:06:27 Pacific Daylight Time

Name: 210415H1_1, Date: 15-Apr-2021, Time: 09:31:31, ID: ST210415H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

PFK2



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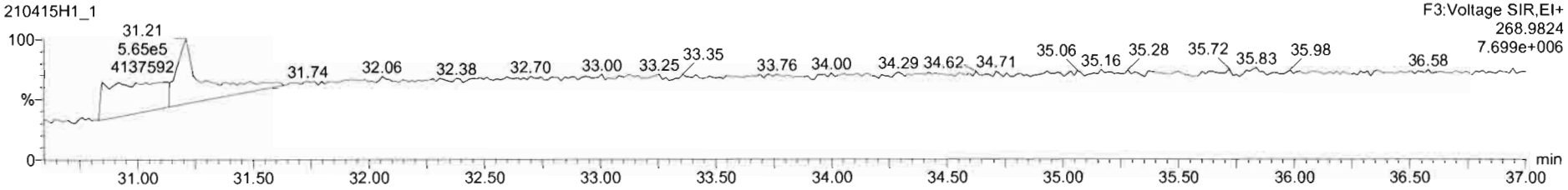
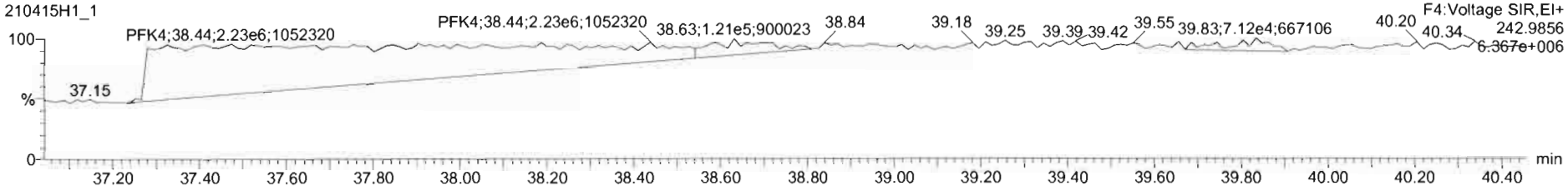
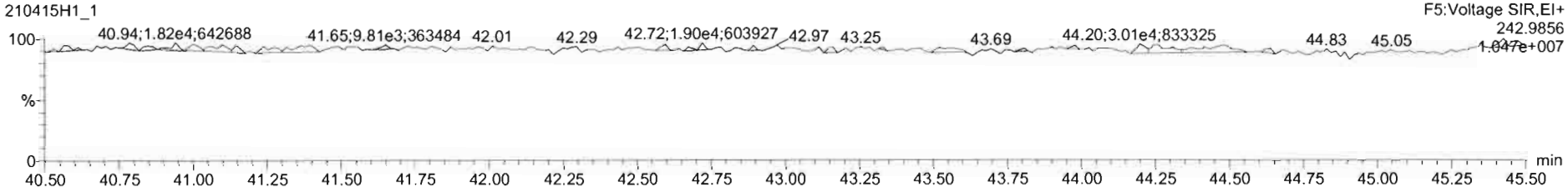


PFK4



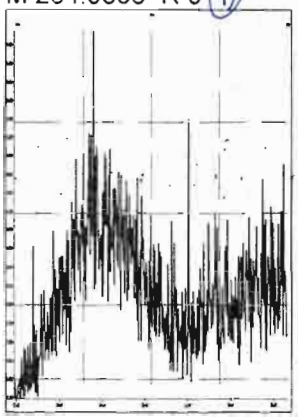
PFK5



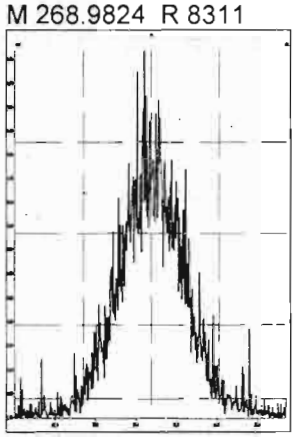
Printed: Thursday, April 15, 2021 21:52:18 Pacific Daylight Time

Column blead

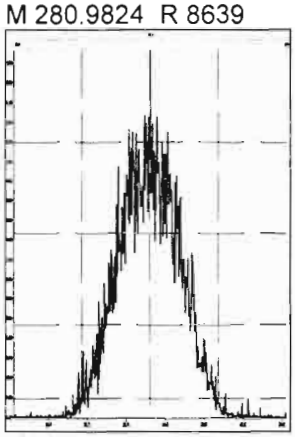
M 254.9856 R 0 (B)



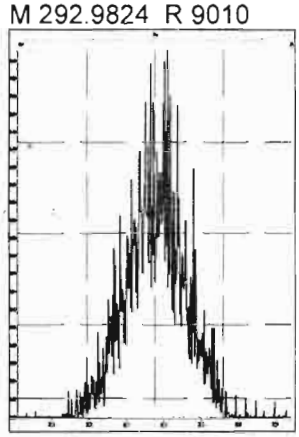
M 268.9824 R 8311



M 280.9824 R 8639



M 292.9824 R 9010



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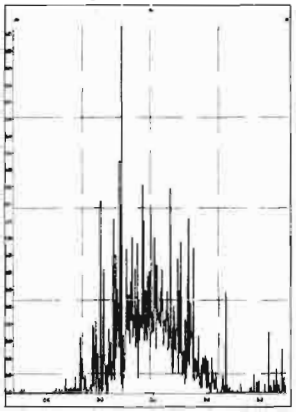
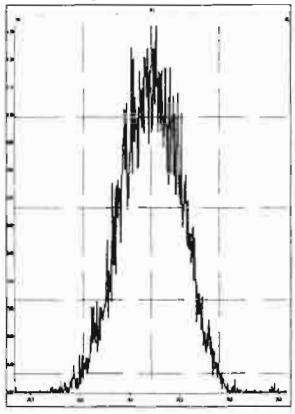
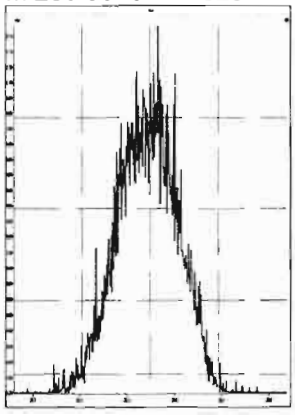


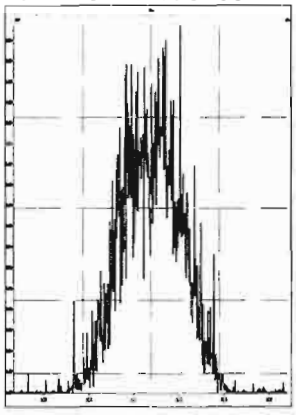
M 218.9856 R 8082



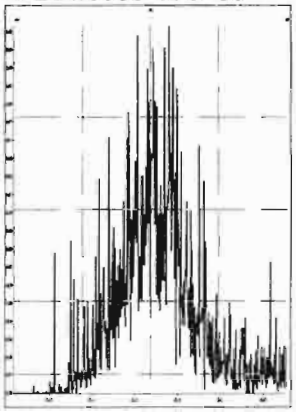
M 230.9856 R 8829



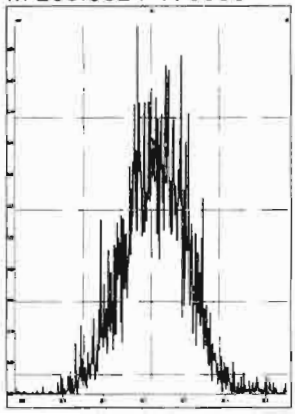
M 242.9856 R 9309



M 254.9856 R 9460



M 268.9824 R 8385



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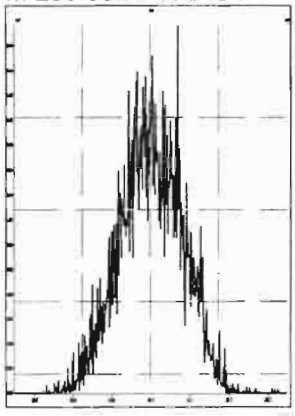

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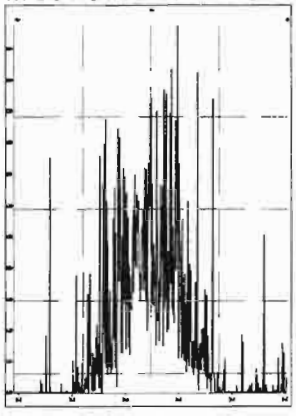

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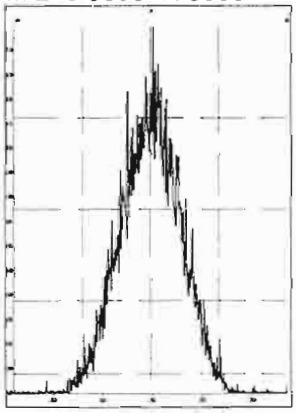

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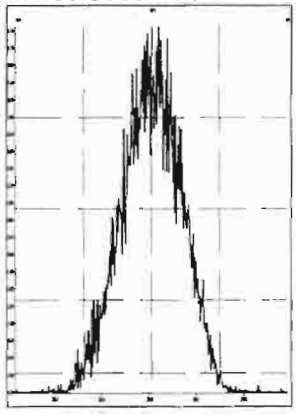
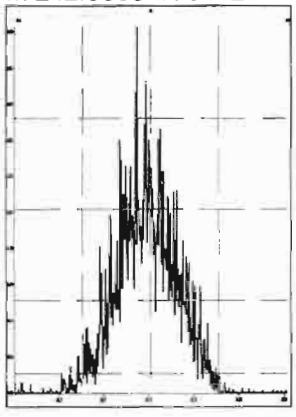
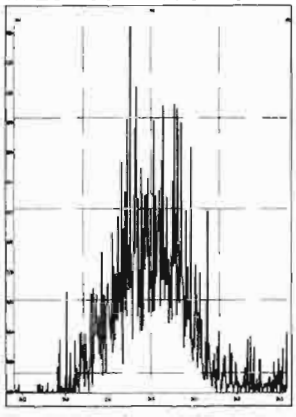


M 242.9856 R 9412



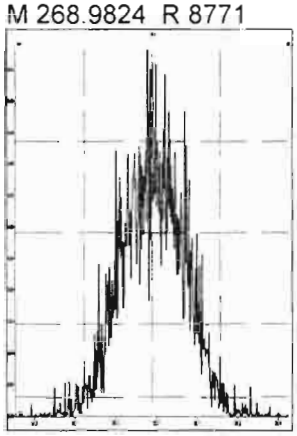
M 254.9856 R 9216



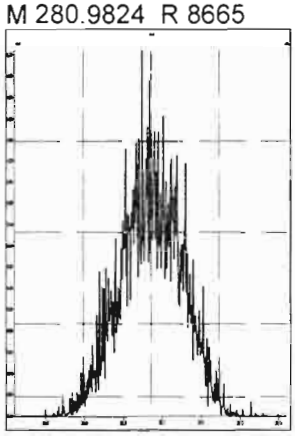
Printed: Thursday, April 15, 2021 21:52:18 Pacific Daylight Time

(*) Masses did not centroid

M 268.9824 R 8771



M 280.9824 R 8665



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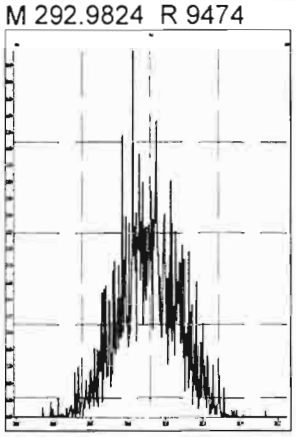
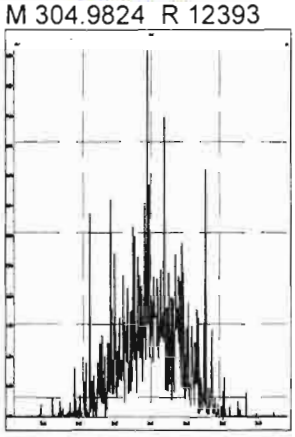
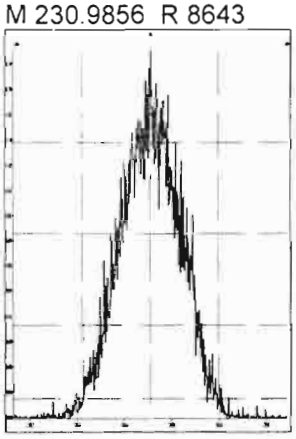


M 304.9824 R 12393



M 230.9856 R 8643



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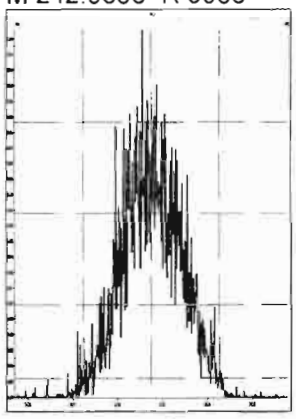
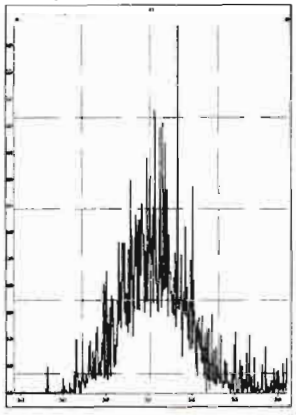
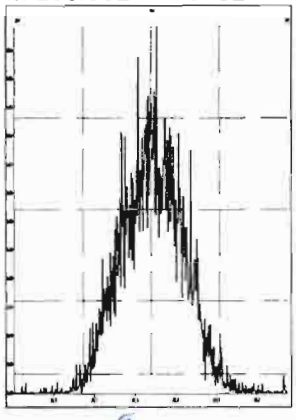


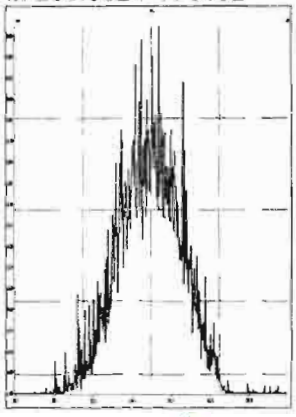
M 254.9856 R 10504



M 268.9824 R 9132

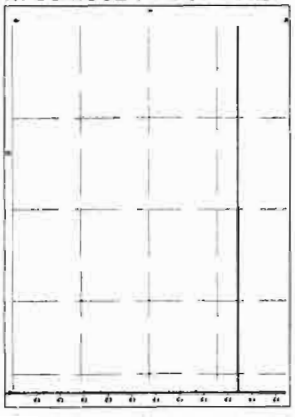


M 280.9824 R 8192



M 292.9824 R 517002

M 304.9824 R 571476



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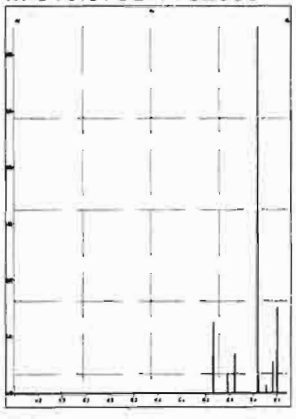
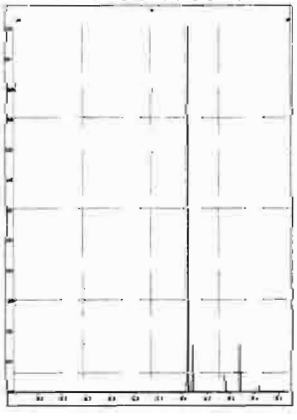


M 330.9792 R 362521



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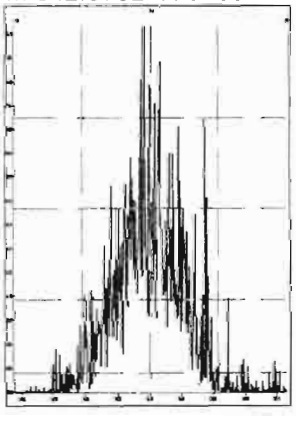
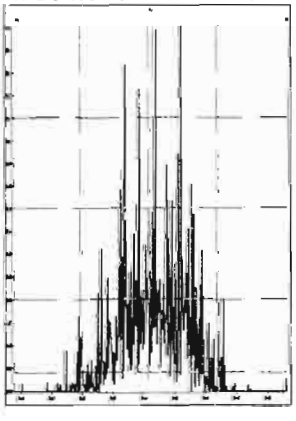
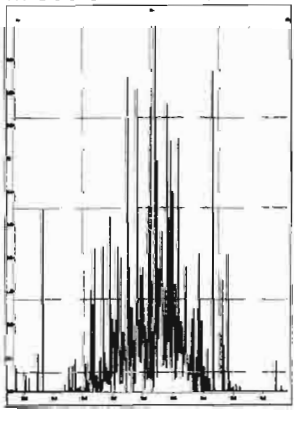


M 354.9792 R 19285



M 366.9792 R 25326



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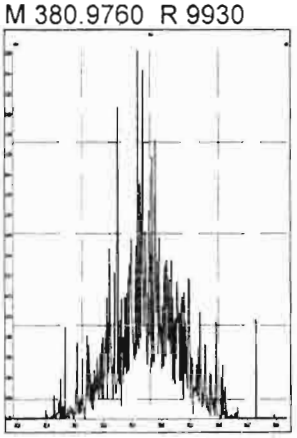

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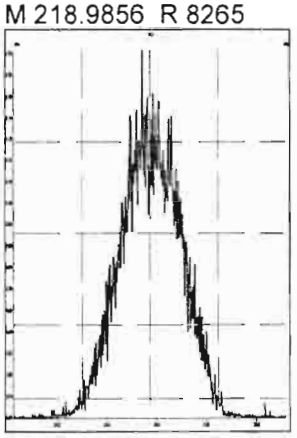

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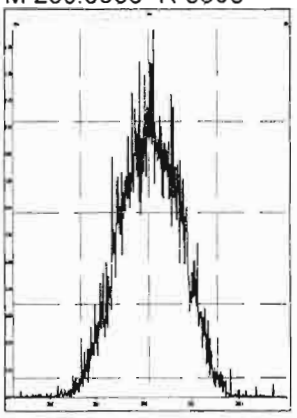

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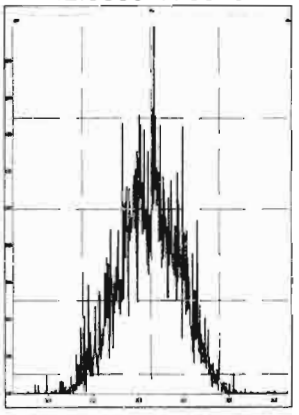

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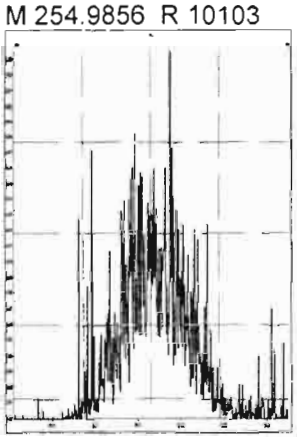
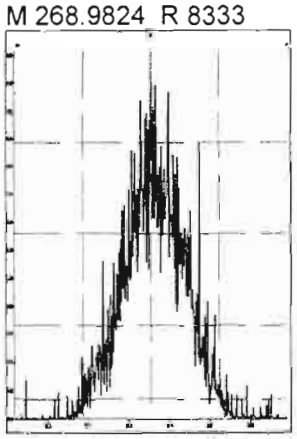
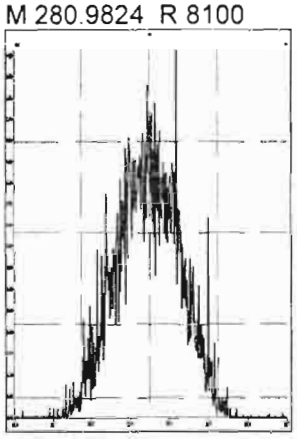


M 268.9824 R 8333



M 280.9824 R 8100



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calbration ID: ST210505H1-1 **Reviewed By:** HN 05/06/21

Initials & Date

End Calibration ID: NA

	Beg.	End
Ion abundance within QC limits?	✓	
Concentrations within criteria?	✓	
TCDD/TCDF Valleys <25%	NA	
First and last eluters present?	NA	
Retention Times within criteria?	✓	
Verification Std. named correctly? (ST-Year-Month-Day-VG ID)	✓	
Forms signed and dated?	✓	
Correct ICAL referenced?	DF	
Run Log:		
- Correct instrument listed?	✓	✓
- Samples within 12 hour clock?	Y	N
- Bottle position verfied?	DF	

	Beg.	End
Mass resolution ≥	✓	✓ (A)

☐ 5k ☒ 6-8K ☐ 8K ☐ 10K

1614 1699 429 1613/1668/8280

Intergrated peaks display correctly?	✓	NA
GC Break <20%	✓	

8280 CS1 End Standard:

- Ratios within limits, S/N <2.5:1, CS1 within 12 hours	NA

Comments:

(A) Some masses did not centroid.

Quantify Sample Summary Report **MassLynx 4.1 SCN815**
Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210505H1\210505H1.qld

Last Altered: Wednesday, May 05, 2021 09:55:23 Pacific Daylight Time
Printed: Thursday, May 06, 2021 09:48:15 Pacific Daylight Time

DF 05/06/21
HN 05/06/21

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210505H1_1, Date: 05-May-2021, Time: 09:04:17, ID: ST210505H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402, Task: ST210505H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	4	Lindane (gamma-...	2.81e5	3.24e5	2.16	NO	0.847	1.000	26.54	1.001	1.000	NO	51.175	102	0.180	51.2
2	9	Aldrin	2.98e5	2.76e5	1.64	NO	1.12	1.000	30.82	1.001	1.001	NO	48.362	96.7	0.0357	48.4
3	10	Oxychlordane	7.96e4	7.39e4	1.53	NO	1.11	1.000	33.38	1.001	1.001	NO	48.691	97.4	0.107	48.7
4	13	trans-Chlordane (g...	7.30e4	6.18e4	1.62	NO	1.19	1.000	35.08	1.000	1.001	NO	49.438	98.9	0.115	49.4
5	14	trans-Nonachlor	7.17e4	7.13e4	1.61	NO	1.09	1.000	35.27	1.001	1.000	NO	46.143	92.3	0.0997	46.1
6	15	cis-Chlordane	8.02e4	7.13e4	1.60	NO	1.20	1.000	35.75	1.015	1.016	NO	46.728	93.5	0.0903	46.7
7	18	2,4'-DDE	1.46e6	1.47e6	1.50	NO	1.01	1.000	35.72	1.000	1.000	NO	49.075	98.2	0.0678	49.1
8	19	4,4'-DDE	1.08e6	1.09e6	1.52	NO	1.03	1.000	36.80	1.001	1.000	NO	48.339	96.7	0.0917	48.3
9	20	Dieldrin	1.31e5	1.25e5	1.51	NO	1.05	1.000	37.31	1.001	1.001	NO	49.483	99.0	0.0588	49.5
10	22	cis-Nonachlor	7.20e4	7.18e4	1.58	NO	1.05	1.000	38.99	1.000	1.000	NO	47.531	95.1	0.0998	47.5

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210505H1\210505H1.qld

Last Altered: Wednesday, May 05, 2021 09:55:23 Pacific Daylight Time
Printed: Thursday, May 06, 2021 09:48:28 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210505H1_1, Date: 05-May-2021, Time: 09:04:17, ID: ST210505H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402, Task: ST210505H1_1

	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	24 2,4'-DDD	1.13e6	1.12e6	1.50	NO	1.03	1.000	37.93	1.000	1.000	NO	49.167	98.3	0.0759	49.2
2	25 2,4'-DDT	5.89e5	5.97e5	1.53	NO	1.02	1.000	39.06	1.000	1.000	NO	48.498	97.0	0.164	48.5
3	26 4,4'-DDD	1.05e6	9.69e5	1.57	NO	1.10	1.000	39.18	1.000	1.000	NO	49.279	98.6	0.0827	49.3
4	27 4,4'-DDT	5.00e5	4.63e5	1.55	NO	1.11	1.000	40.25	1.000	1.001	NO	48.661	97.3	0.162	48.7
5	36 13C6-Lindane (ga...	3.24e5	1.68e6	0.77	NO	0.190	1.000	26.51	1.019	1.019	NO	50.741	101	10.1	
6	40 13C12-Aldrin	2.76e5	1.68e6	1.56	NO	0.152	1.000	30.77	1.183	1.181	NO	53.787	108	0.0688	
7	41 13C10-Oxychlorda...	7.39e4	1.68e6	1.55	NO	0.0441	1.000	33.35	1.283	1.280	NO	49.735	99.5	0.237	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210505H1\210505H1.qld

Last Altered: Wednesday, May 05, 2021 09:55:23 Pacific Daylight Time
Printed: Thursday, May 06, 2021 09:49:13 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210505H1_1, Date: 05-May-2021, Time: 09:04:17, ID: ST210505H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402, Task: ST210505H1_1

	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	43 13C10-trans-Chlor...	6.18e4	1.68e6	1.51	NO	0.0390	1.000	35.06	1.348	1.344	NO	47.039	94.1	0.268	
2	44 13C10-trans-Nona...	7.13e4	1.15e6	1.62	NO	0.0772	1.000	35.24	0.983	0.983	NO	40.069	80.1	0.0980	
3	46 13C12-2,4'-DDE	1.47e6	1.15e6	1.60	NO	1.84	1.000	35.70	0.996	0.995	NO	34.692	69.4	0.0484	
4	47 13C12-4,4'-DDE	1.09e6	1.15e6	1.56	NO	1.31	1.000	36.77	1.025	1.026	NO	36.061	72.1	0.0682	
5	48 13C12-Dieldrin	1.25e5	1.15e6	1.67	NO	0.177	1.000	37.28	1.039	1.040	NO	30.687	61.4	0.0420	
6	50 13C10-cis-Nonach...	7.18e4	1.15e6	1.58	NO	0.0908	1.000	38.97	1.087	1.087	NO	34.326	68.7	0.0820	
7	52 13C12-2,4'-DDD	1.12e6	1.15e6	1.55	NO	1.21	1.000	37.92	1.057	1.057	NO	39.988	80.0	0.0565	
8	53 13C12-2,4'-DDT	5.97e5	1.15e6	1.90	NO	0.662	1.000	39.05	1.089	1.089	NO	39.090	78.2	0.104	
9	54 13C12-4,4'-DDD	9.69e5	1.15e6	1.57	NO	0.950	1.000	39.17	1.092	1.092	NO	44.249	88.5	0.0722	
10	55 13C12-4,4'-DDT	4.63e5	1.15e6	1.65	NO	0.455	1.000	40.24	1.122	1.122	NO	44.189	88.4	0.151	
11	62 13C-PCB-15	1.68e6	1.68e6	1.56	NO	1.00	1.000	26.01	1.000	1.000	NO	50.000	100	0.0419	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210505H1\210505H1.qld

Last Altered: Wednesday, May 05, 2021 09:55:23 Pacific Daylight Time
Printed: Thursday, May 06, 2021 09:49:17 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210505H1_1, Date: 05-May-2021, Time: 09:04:17, ID: ST210505H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402, Task: ST210505H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	63	13C-PCB-60	1.15e6	1.15e6	0.81	NO	1.00	1.000	35.86	1.000	1.000	NO	50.000	100	0.0445	

Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Thursday, May 06, 2021 10:04:37 Pacific Daylight Time
Printed: Thursday, May 06, 2021 10:05:26 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

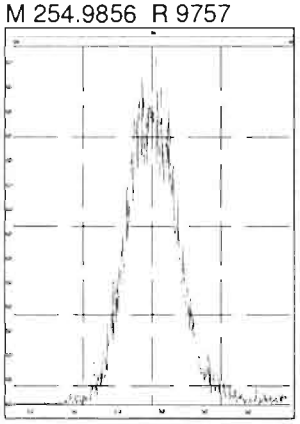
Compound name: Hexachlorobutadiene

	Name	ID	Acq.Date	Acq.Time
1	210505H1_1	ST210505H1_1 1699 CS3 21C0402	05-May-21	09:04:17
2	210505H1_2	GC210505H1_1 GC BREAK	05-May-21	10:01:24
3	210505H1_3	B1D0210-BS1 OPR 1	05-May-21	10:53:01
4	210505H1_4	SOLVENT BLANK	05-May-21	11:39:54
5	210505H1_5	B1D0210-BLK1 Method Blank 1	05-May-21	12:28:19
6	210505H1_6	2103219-06RE1 USMPDI-069RAB-20-36.3-21...	05-May-21	13:16:49
7	210505H1_7	2103219-03RE1 USMPDI-068RAB-20-32.1-21...	05-May-21	14:05:19
8	210505H1_8	2103216-12RE2 USMPDI-064RAB-10-20-210...	05-May-21	14:53:47
9	210505H1_9	2103216-11RE2 USMPDI-064RAB-00-10-210...	05-May-21	15:42:17
10	210505H1_10	SOLVENT BLANK	05-May-21	16:38:56

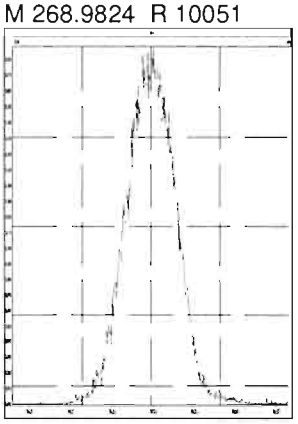
File: Experiment: 1699_zb50_10k.exp Reference: Pfk.ref Function: 1 @ 250 (ppm)

Printed: Wednesday, May 05, 2021 08:59:31 Pacific Daylight Time

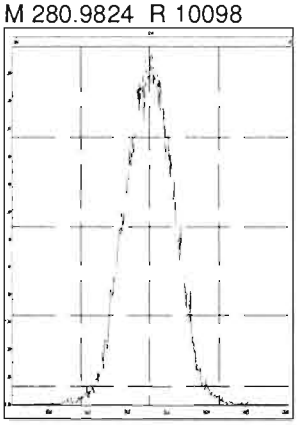
M 254.9856 R 9757



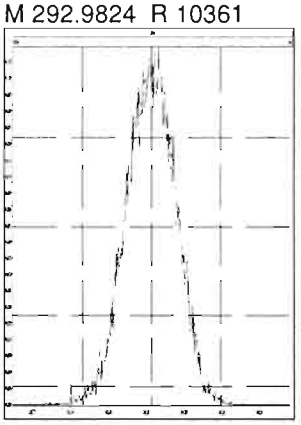
M 268.9824 R 10051



M 280.9824 R 10098



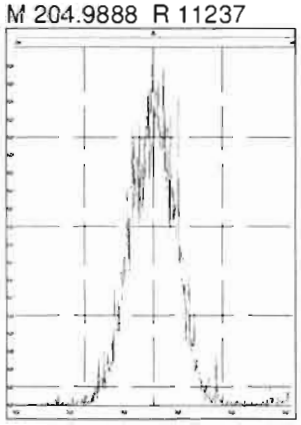
M 292.9824 R 10361



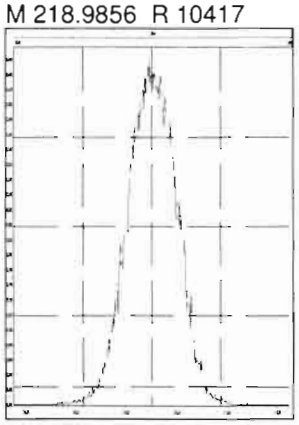
File: Experiment: 1699_zb50_10k.exp Reference: Pfk.ref Function: 2 @ 250 (ppm)

Printed: Wednesday, May 05, 2021 09:00:01 Pacific Daylight Time

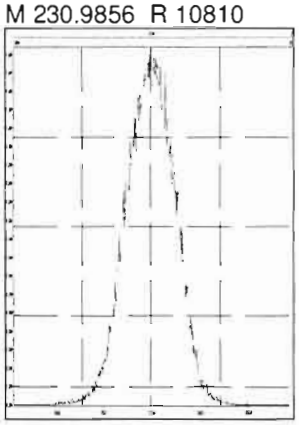
M 204.9888 R 11237



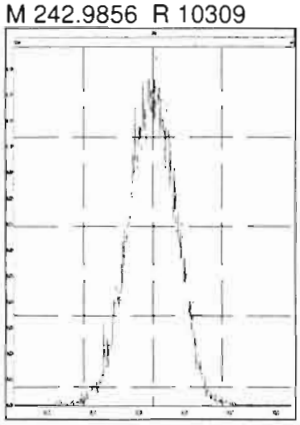
M 218.9856 R 10417



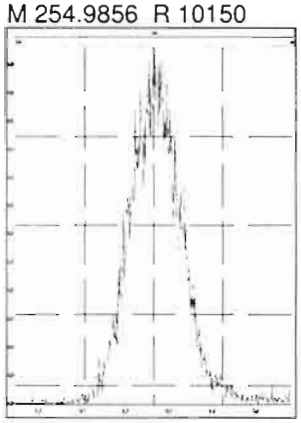
M 230.9856 R 10810



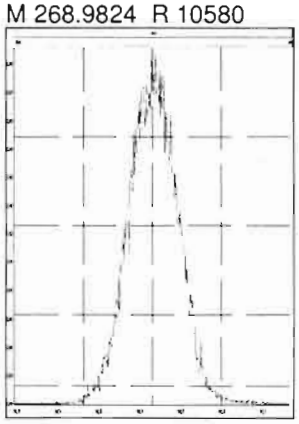
M 242.9856 R 10309



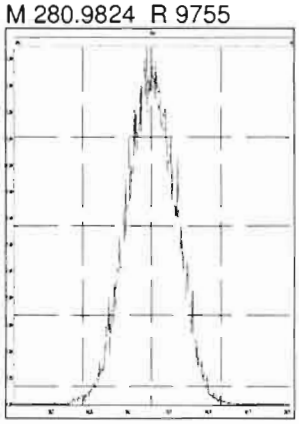
M 254.9856 R 10150



M 268.9824 R 10580



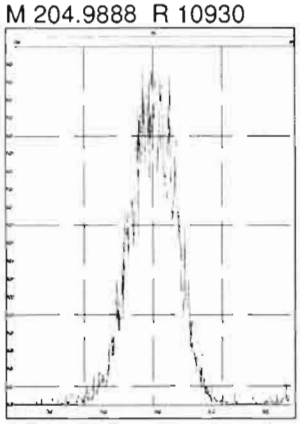
M 280.9824 R 9755



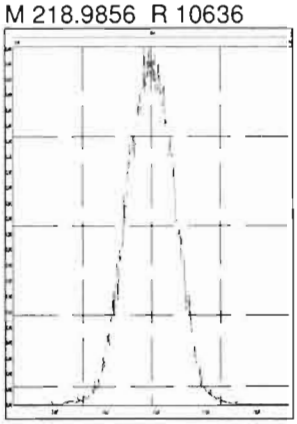
File: Experiment: 1699_zb50_10k.exp Reference: Pfk.ref Function: 3 @ 250 (ppm)

Printed: Wednesday, May 05, 2021 09:00:42 Pacific Daylight Time

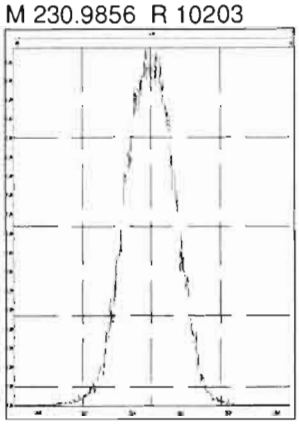
M 204.9888 R 10930



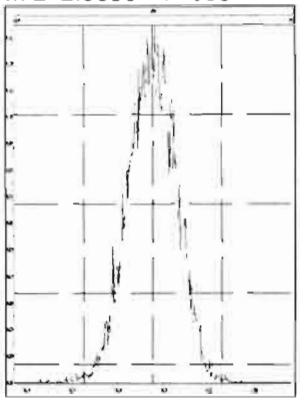
M 218.9856 R 10636



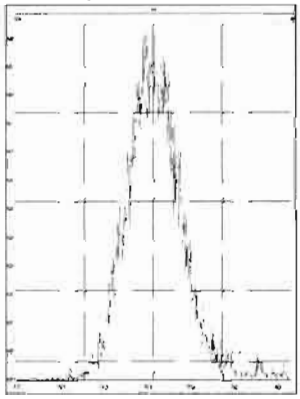
M 230.9856 R 10203



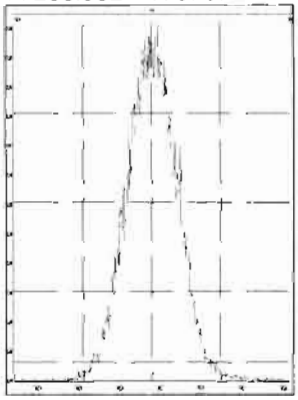
M 242.9856 R 10582



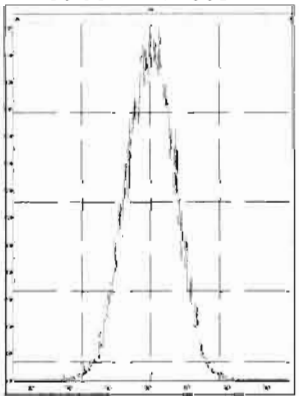
M 254.9856 R 9614



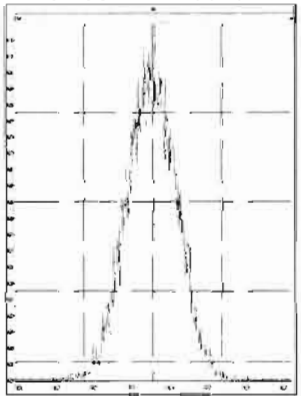
M 268.9824 R 9707



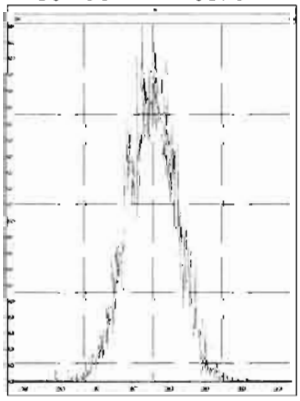
M 280.9824 R 10054



M 292.9824 R 10050



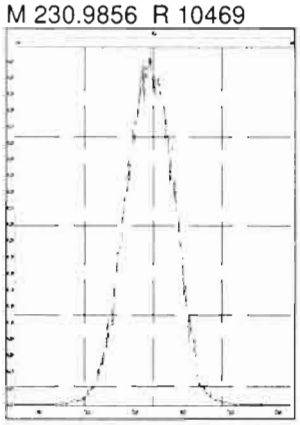
M 304.9824 R 10579



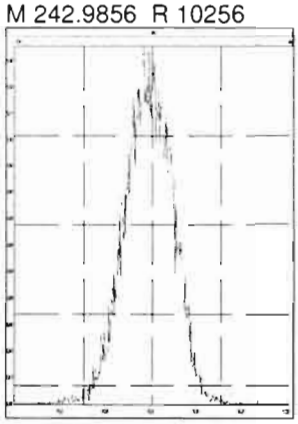
File: Experiment: 1699_zb50_10k.exp Reference: Pfk.ref Function: 4 @ 250 (ppm)

Printed: Wednesday, May 05, 2021 09:01:18 Pacific Daylight Time

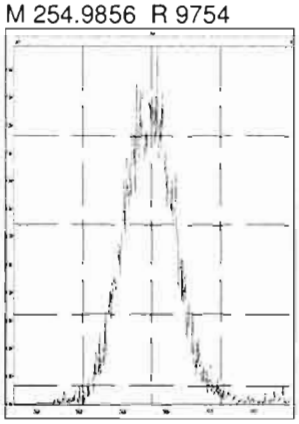
M 230.9856 R 10469



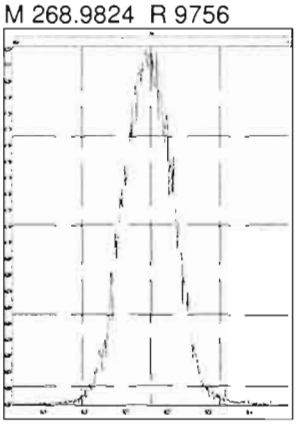
M 242.9856 R 10256



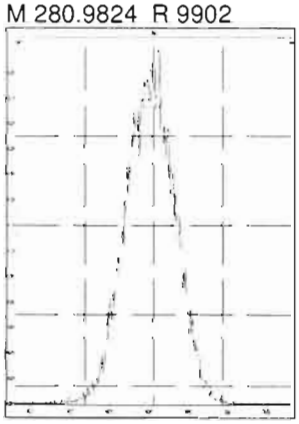
M 254.9856 R 9754



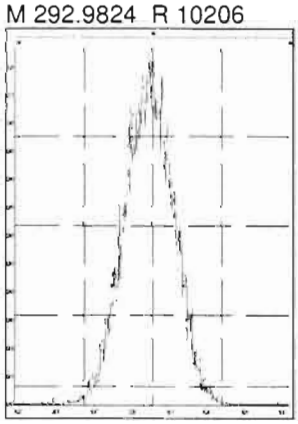
M 268.9824 R 9756



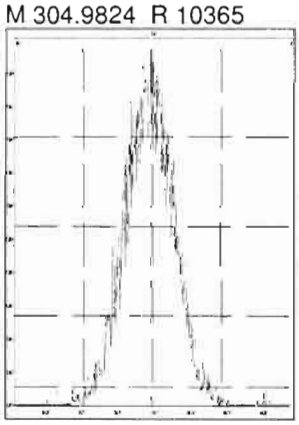
M 280.9824 R 9902



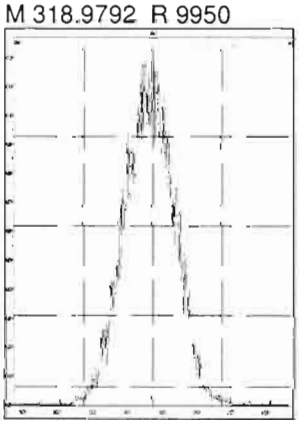
M 292.9824 R 10206



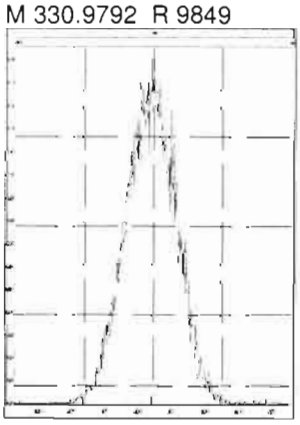
M 304.9824 R 10365



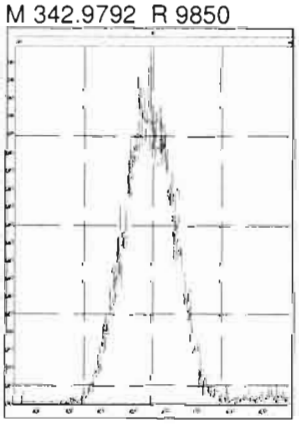
M 318.9792 R 9950



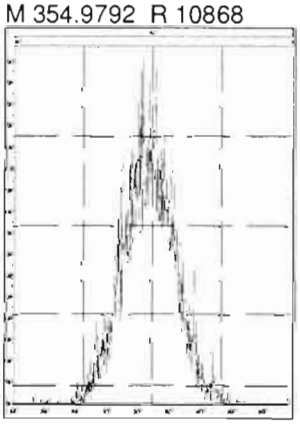
M 330.9792 R 9849



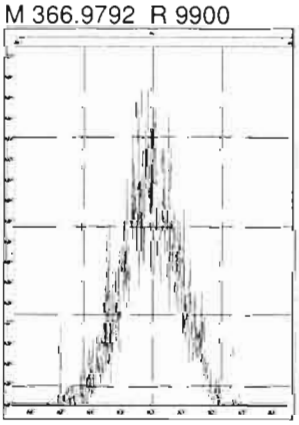
M 342.9792 R 9850



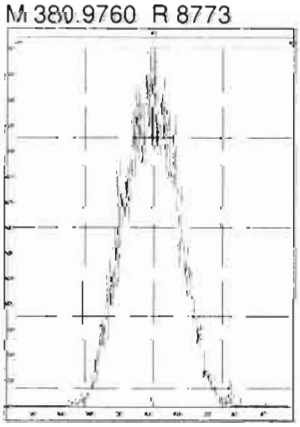
M 354.9792 R 10868



M 366.9792 R 9900



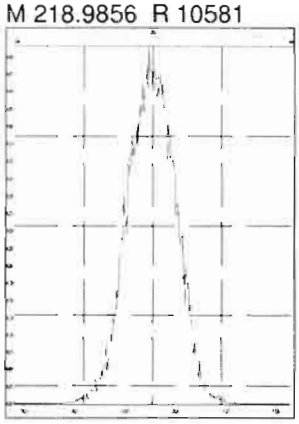
M 380.9760 R 8773



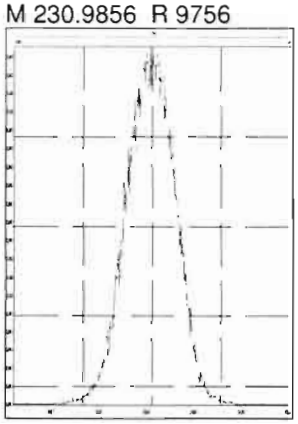
File: Experiment: 1699_zb50_10k.exp Reference: Pfk.ref Function: 5 @ 250 (ppm)

Printed: Wednesday, May 05, 2021 09:01:50 Pacific Daylight Time

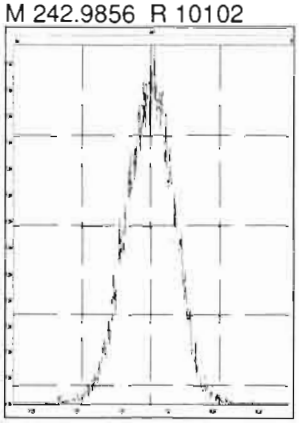
M 218.9856 R 10581



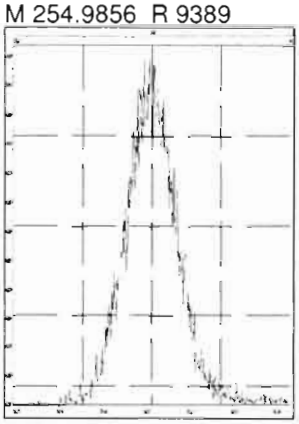
M 230.9856 R 9756



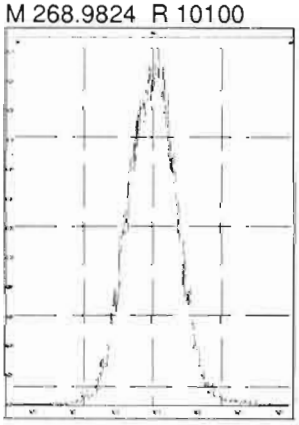
M 242.9856 R 10102



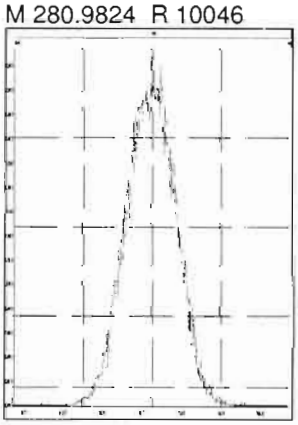
M 254.9856 R 9389



M 268.9824 R 10100



M 280.9824 R 10046



Dataset: U:\vg10.PRO\Results\210505H1\210505H1_2.qld

Last Altered: Thursday, May 06, 2021 09:59:19 Pacific Daylight Time
Printed: Thursday, May 06, 2021 10:00:40 Pacific Daylight Time

HN 05/06/21
DF 05/06/21

Method: U:\vg10.PRO\MethDB\1699_GC-break.mdb 13 Apr 2021 10:33:50
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210505H1_2, Date: 05-May-2021, Time: 10:01:24, ID: GC210505H1_1 GC BREAK, Description: GC BREAK

	#	Name	Resp	RA	n/y	RT
1	1	Endrin Aldehyde			NO	
2	2	Endrin Ketone	1.02e3	0.49	NO	44.04
3	3	Endrin	1.09e5	1.65	NO	38.72
4	4	4,4'-DDE			NO	
5	5	4,4'-DDD	2.26e4	1.50	NO	39.19
6	6	4,4'-DDT	1.69e6	1.53	NO	40.26

$\frac{EA + EK}{KE} \times 100\% = 0.936\%$

$\frac{DDE + DDD}{DDT} \times 100\% = \cancel{0.134\%}\ 1.34\%$

Vista Analytical Laboratory VG-10

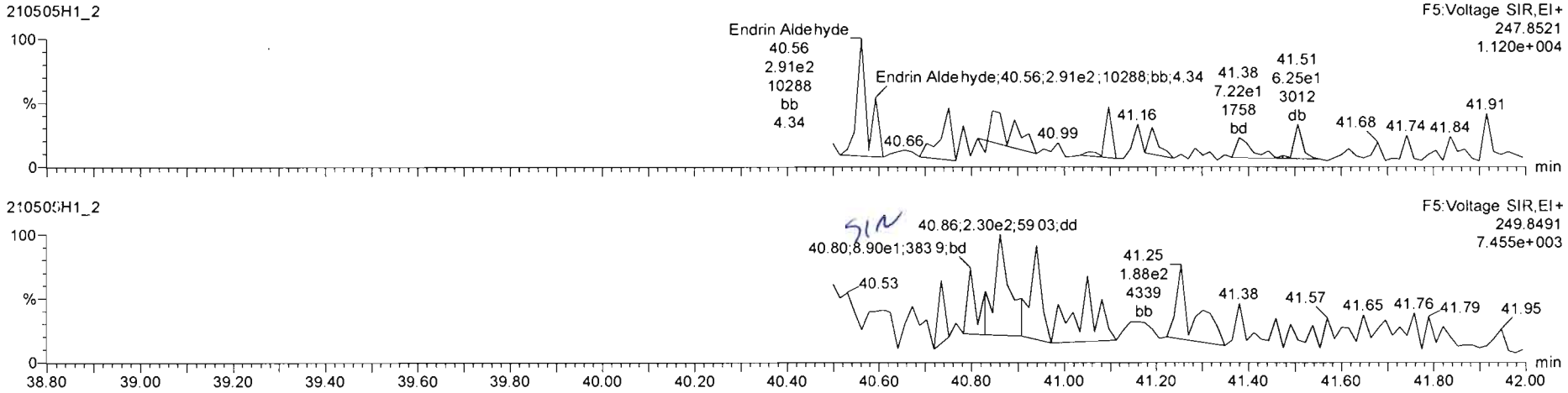
Dataset: U:\vg10.PRO\Results\210505H1\210505H1_2.qld

Last Altered: Thursday, May 06, 2021 09:52:15 Pacific Daylight Time
Printed: Thursday, May 06, 2021 09:53:53 Pacific Daylight Time

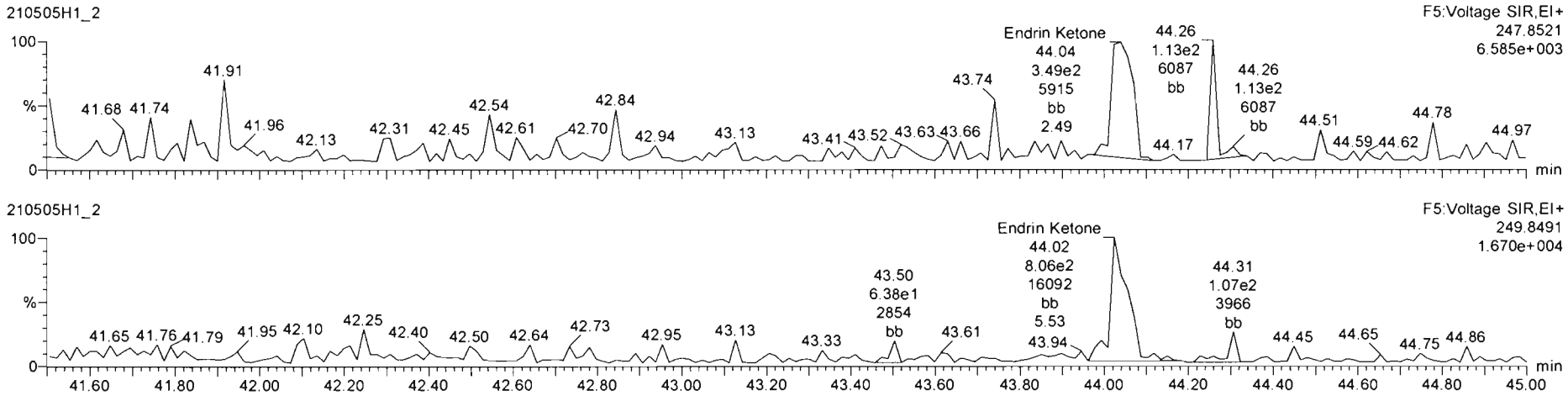
Method: U:\vg10.PRO\MethDB\1699_GC-break.mdb 13 Apr 2021 10:33:50
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210505H1_2, Date: 05-May-2021, Time: 10:01:24, ID: GC210505H1_1 GC BREAK, Description: GC BREAK

Endrin Aldehyde



Endrin Ketone

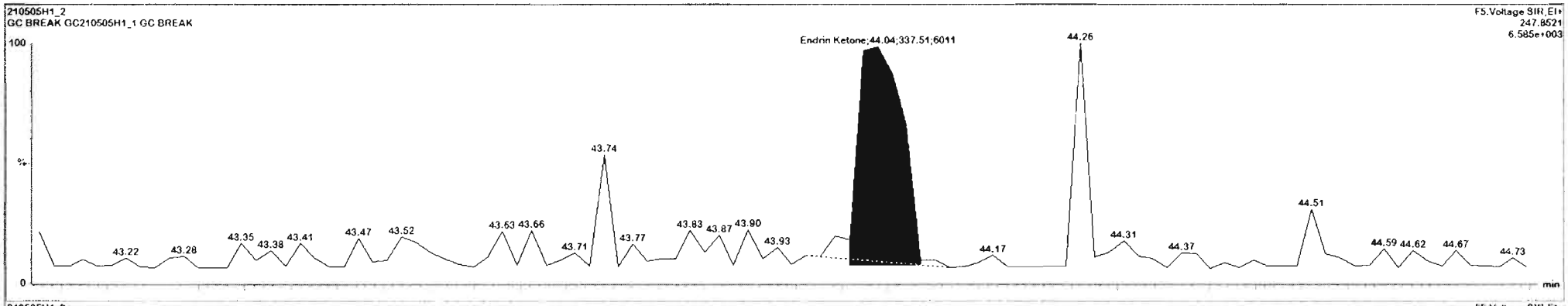


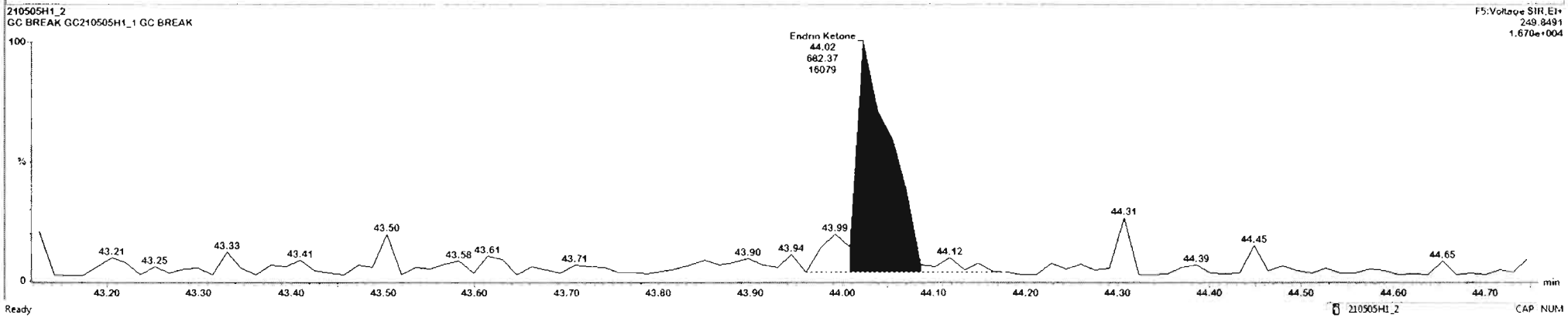
TargetLynx - 210505H1_2.qld * - [Chromatogram]

File Edit View Display Processing Window Help

210505H1_2 - GC210505H1_1 GC BREAK - GC BREAK

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
1	Endrin Aldehyde			NO		1.000						
2	Endrin Ketone	1.02e3	0.49	NO		1.000	44.04	0.000				
3	Endrin	1.09e5	1.86	NO		1.000	38.72	0.000				
4	4,4'-DDE	6.38e3	0.78	YES		1.000	36.81	0.000				
5	4,4'-DDD	2.42e4	1.58	NO		1.000	39.19	0.000				
6	4,4'-DDT	1.69e6	1.53	NO		1.000	40.26	0.000				
7	PFK4					1.000						
8	PFK5					1.000						



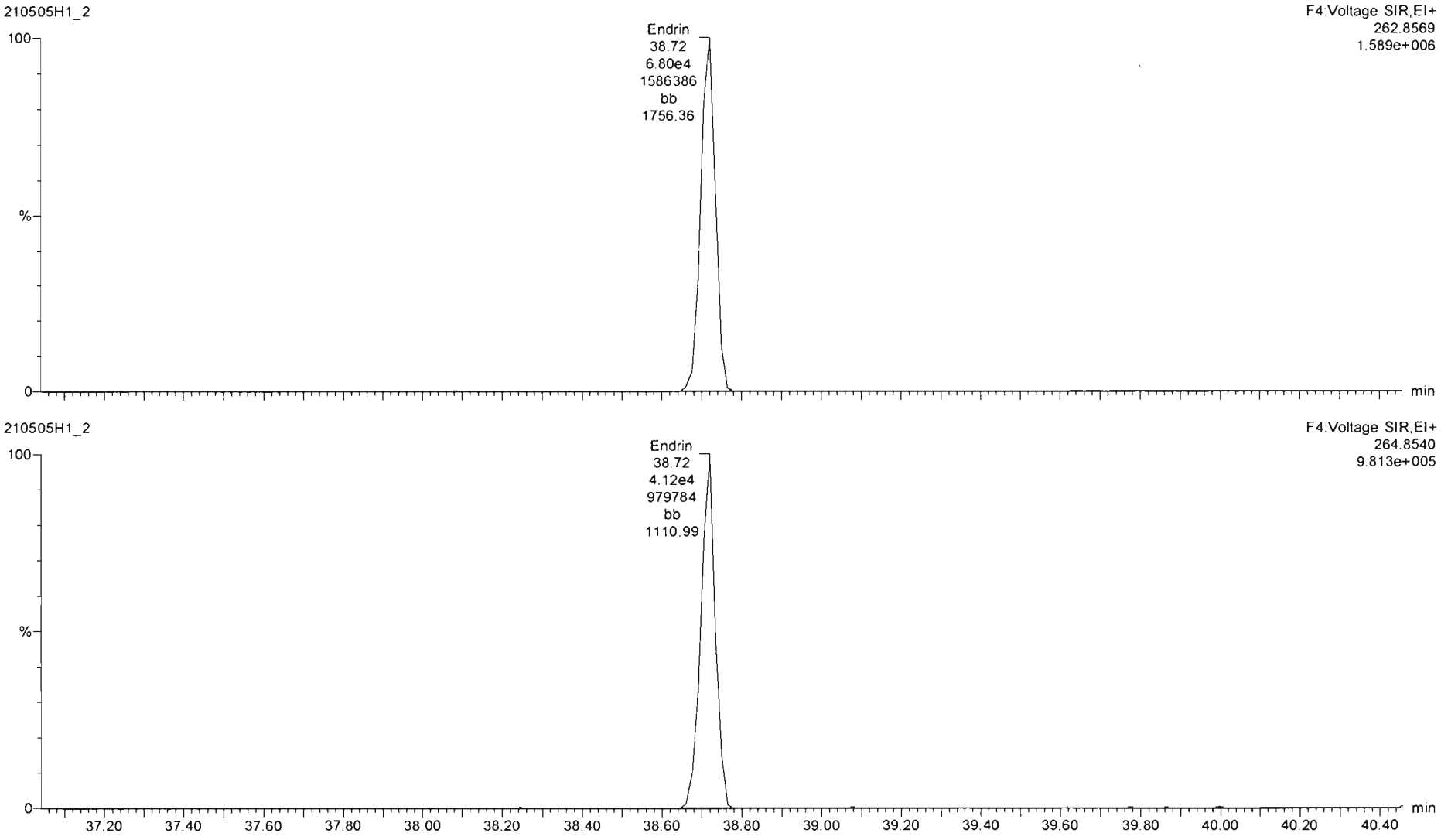


Dataset: U:\vg10.PRO\Results\210505H1\210505H1_2.qld

Last Altered: Thursday, May 06, 2021 09:52:15 Pacific Daylight Time
Printed: Thursday, May 06, 2021 09:53:53 Pacific Daylight Time

Name: 210505H1_2, Date: 05-May-2021, Time: 10:01:24, ID: GC210505H1_1 GC BREAK, Description: GC BREAK

Endrin

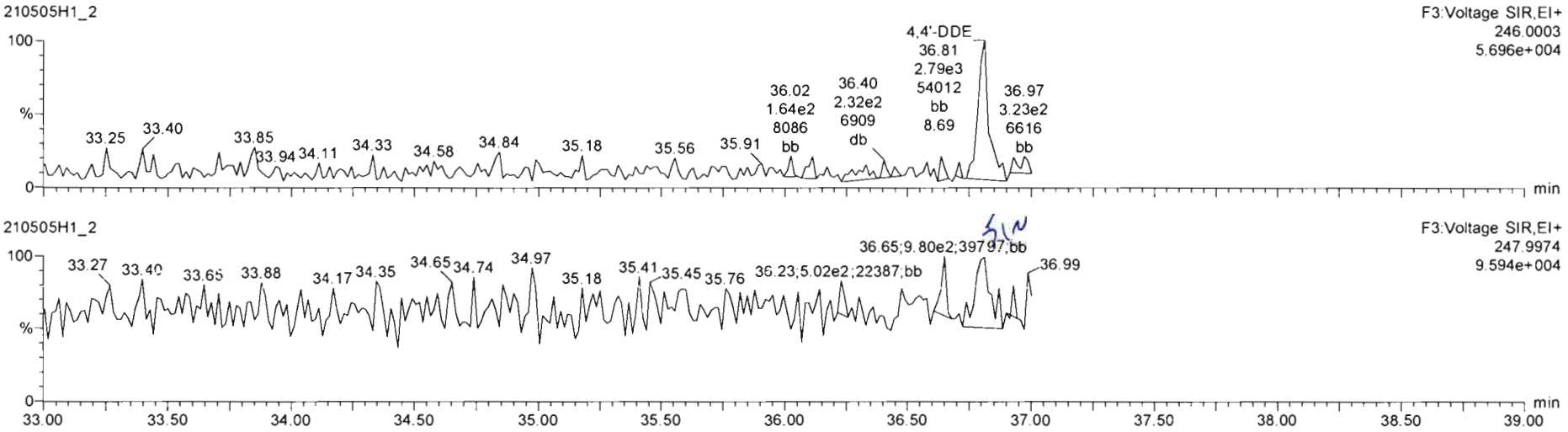


Dataset: U:\vg10.PRO\Results\210505H1\210505H1_2.qld

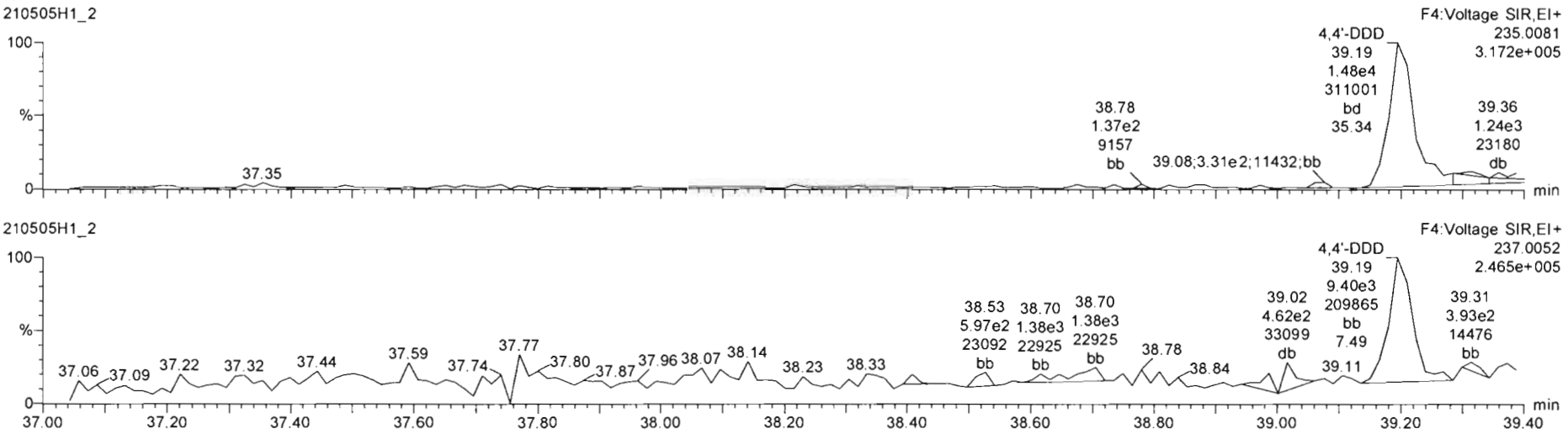
Last Altered: Thursday, May 06, 2021 09:52:15 Pacific Daylight Time
Printed: Thursday, May 06, 2021 09:53:53 Pacific Daylight Time

Name: 210505H1_2, Date: 05-May-2021, Time: 10:01:24, ID: GC210505H1_1 GC BREAK, Description: GC BREAK

4,4'-DDE



4,4'-DDD

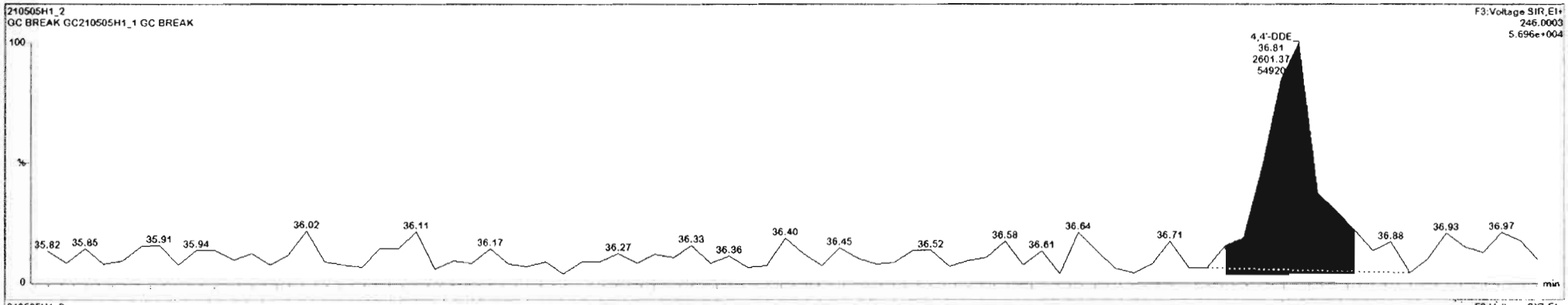


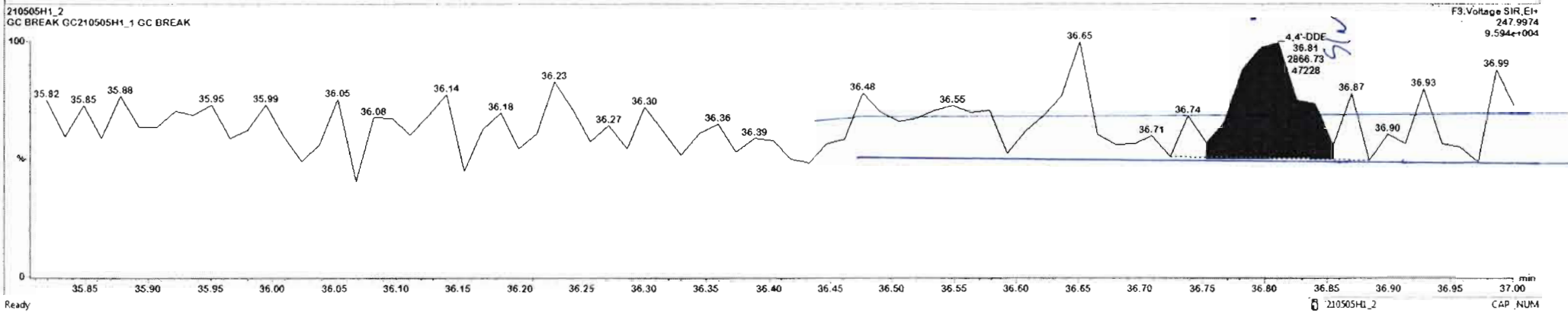
TargetLynx - 210505H1_2.qld * - [Chromatogram]

File Edit View Display Processing Window Help

210505H1_2 - GC210505H1_1 GC BREAK - GC BREAK

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
1	Endrin Aldehyde			NO		1.000						
2	Endrin Ketone	1.02e3	0.49	NO		1.000	44.04	0.000				
3	Endrin	6.80e4		NO		1.000	36.72	0.000				
4	4,4'-DDE	5.47e3	0.91	YES		1.000	36.81	0.000				
5	4,4'-DDD	2.42e4	1.58	NO		1.000	39.19	0.000				
6	4,4'-DDT	1.69e6	1.53	NO		1.000	40.26	0.000				
7	PFK4					1.000						
8	PFK5					1.000						





Ready

210505H1_2

CAP NUM

Dataset: U:\vg10.PRO\Results\210505H1\210505H1_2.qld

Last Altered: Thursday, May 06, 2021 09:52:15 Pacific Daylight Time
Printed: Thursday, May 06, 2021 09:53:53 Pacific Daylight Time

Name: 210505H1_2, Date: 05-May-2021, Time: 10:01:24, ID: GC210505H1_1 GC BREAK, Description: GC BREAK

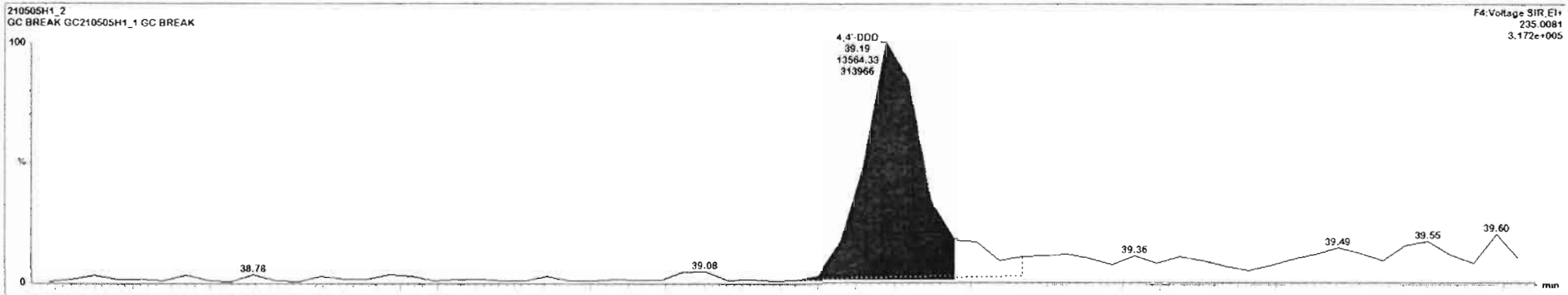
4,4'-DDT

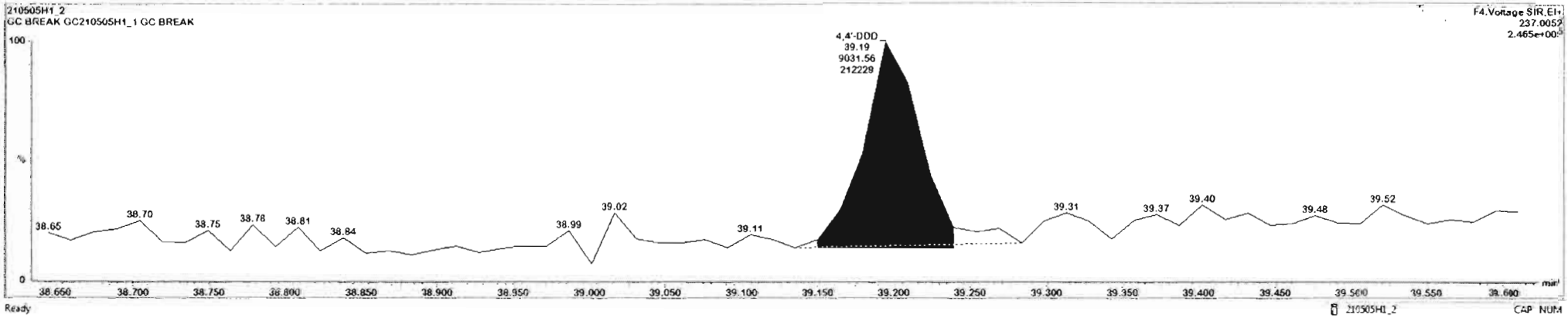
TargetLynx - 210505H1_2.qld * - [Chromatogram]

File Edit View Display Processing Window Help

210505H1_2 - GC210505H1_1 GC BREAK - GC BREAK

	Name	Resp	RA	Ally	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	Endrin Aldehyde			NO		1.000						
2	Endrin Ketone	1.02e3	0.49	NO		1.000	44.04	0.000				
3	Endrin	6.80e4		NO		1.000	38.72	0.000				
4	4,4'-DDE			NO		1.000						
5	4,4'-DDD	2.26e4	1.50	NO		1.000	39.19	0.000				
6	4,4'-DDT	1.85e6	1.53	NO		1.000	40.26	0.000				
7	PFK4					1.000						
8	PFK5					1.000						





Ready

210505H1_2 CAP NUM

Vista Analytical Laboratory

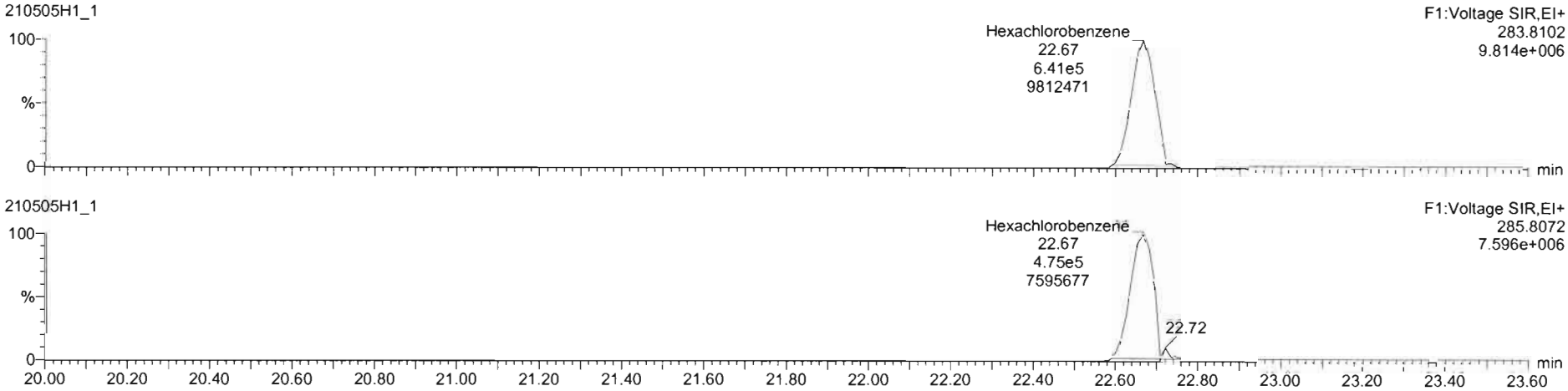
Dataset: U:\vg10.PRO\Results\210505H1\210505H1.qld

Last Altered: Wednesday, May 05, 2021 9:55:23 AM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:30:25 PM Pacific Daylight Time

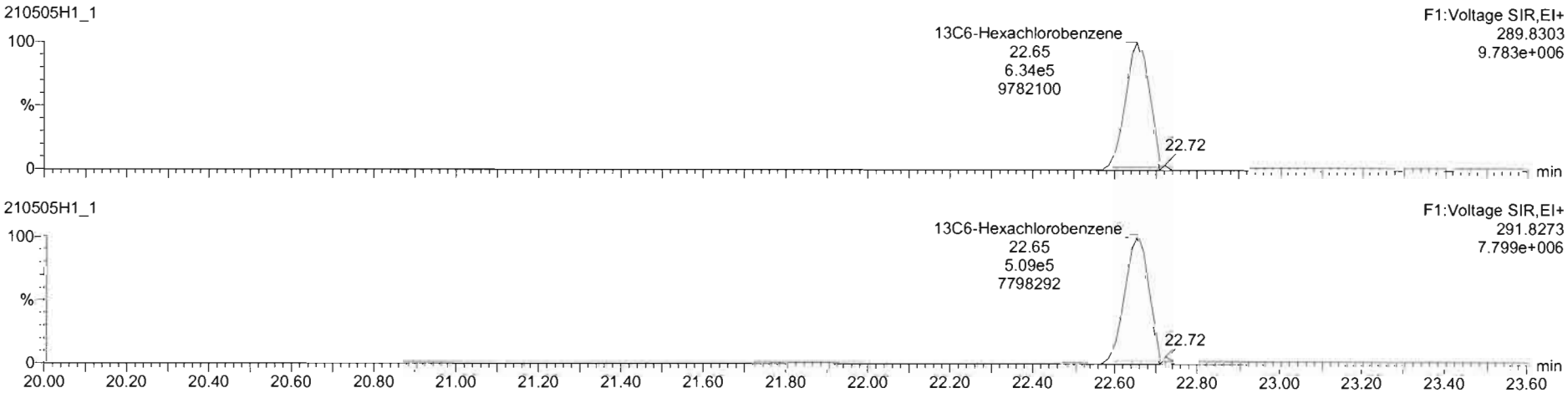
Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210505H1_1, Date: 05-May-2021, Time: 09:04:17, ID: ST210505H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

Hexachlorobenzene



13C6-Hexachlorobenzene

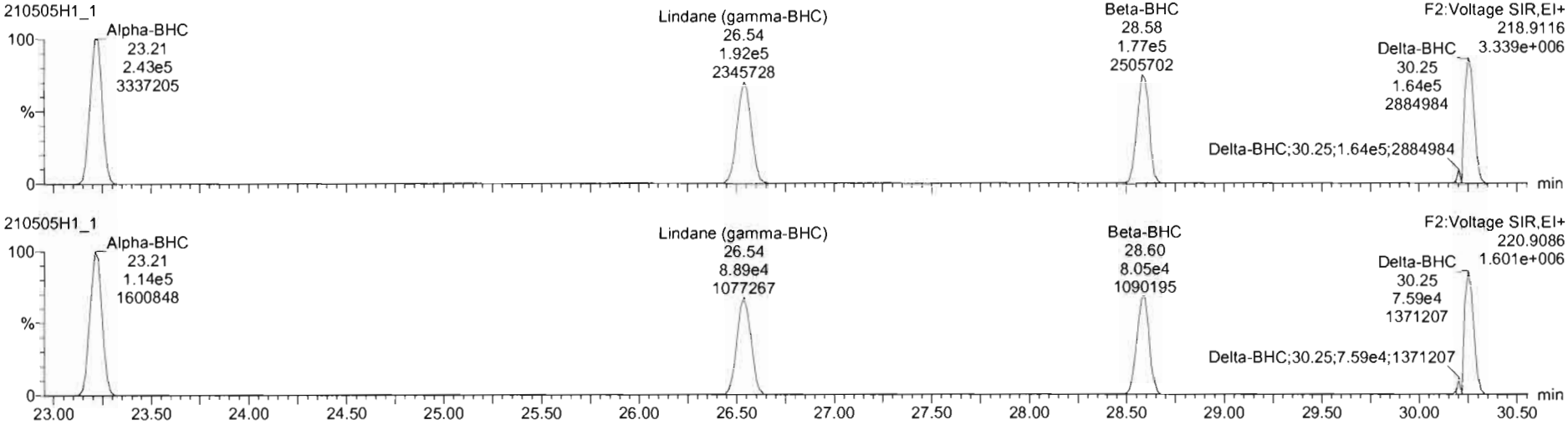


Dataset: U:\vg10.PRO\Results\210505H1\210505H1.qld

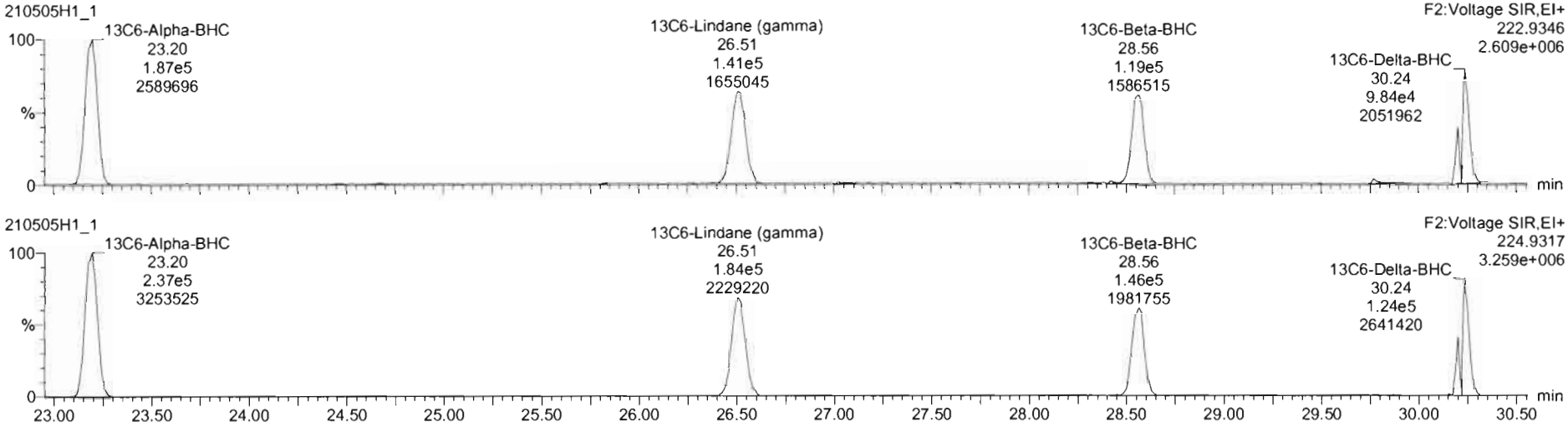
Last Altered: Wednesday, May 05, 2021 9:55:23 AM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:30:25 PM Pacific Daylight Time

Name: 210505H1_1, Date: 05-May-2021, Time: 09:04:17, ID: ST210505H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

BHC Totals



BHC-isotopes

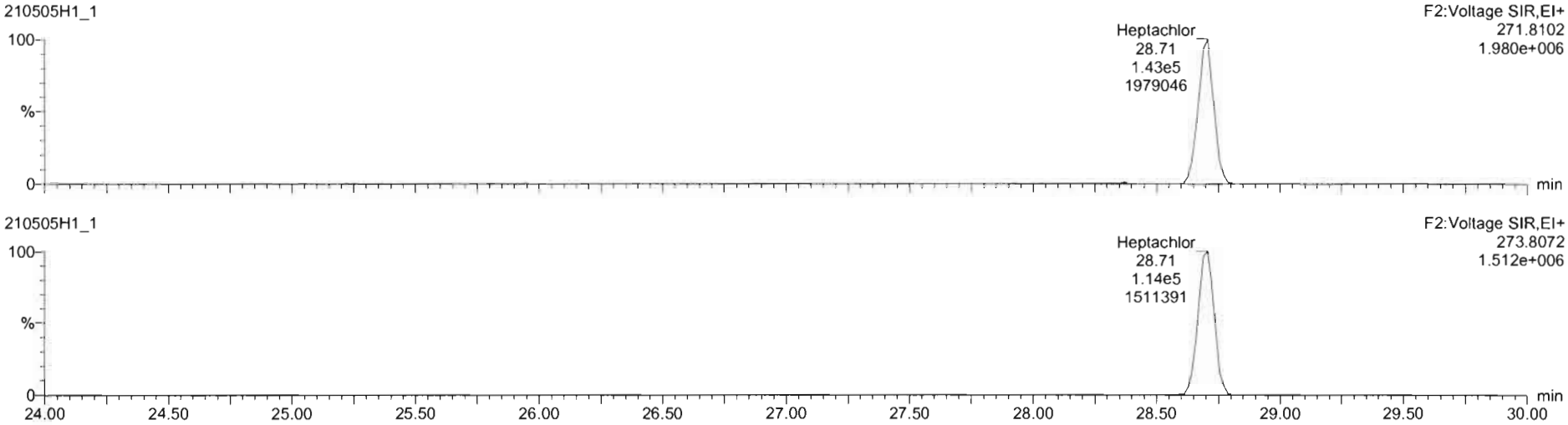


Dataset: U:\vg10.PRO\Results\210505H1\210505H1.qld

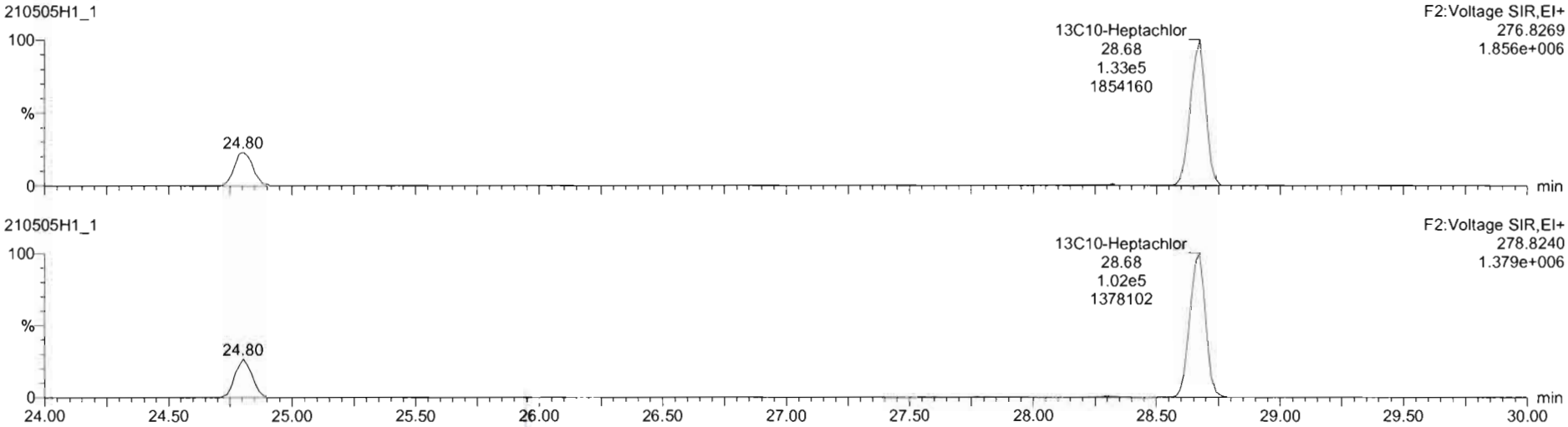
Last Altered: Wednesday, May 05, 2021 9:55:23 AM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:30:25 PM Pacific Daylight Time

Name: 210505H1_1, Date: 05-May-2021, Time: 09:04:17, ID: ST210505H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

Heptachlor



13C10-Heptachlor

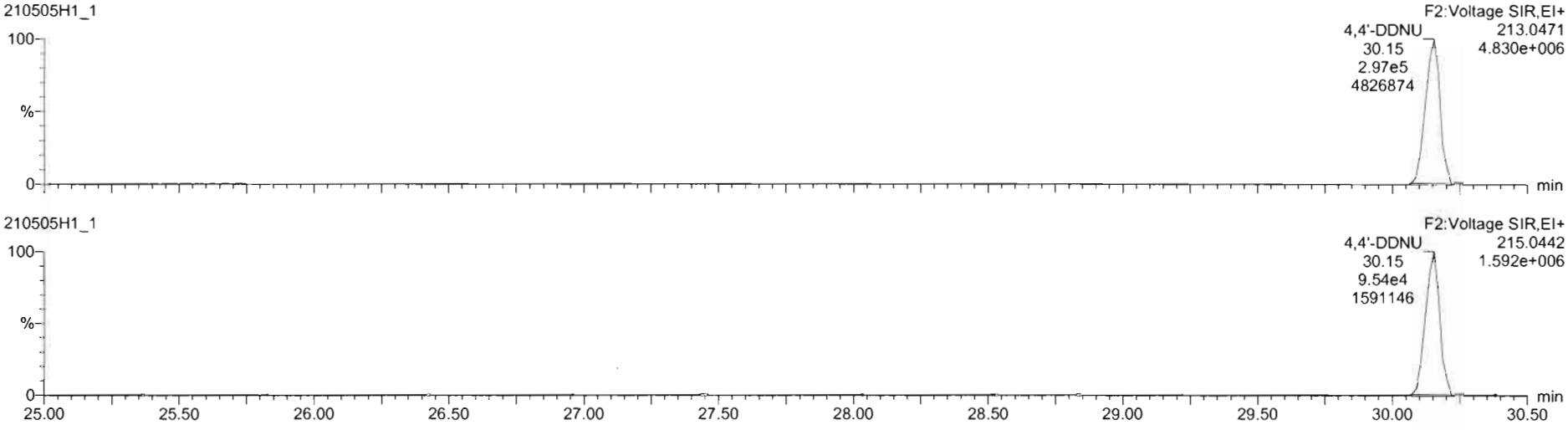


Dataset: U:\vg10.PRO\Results\210505H1\210505H1.qld

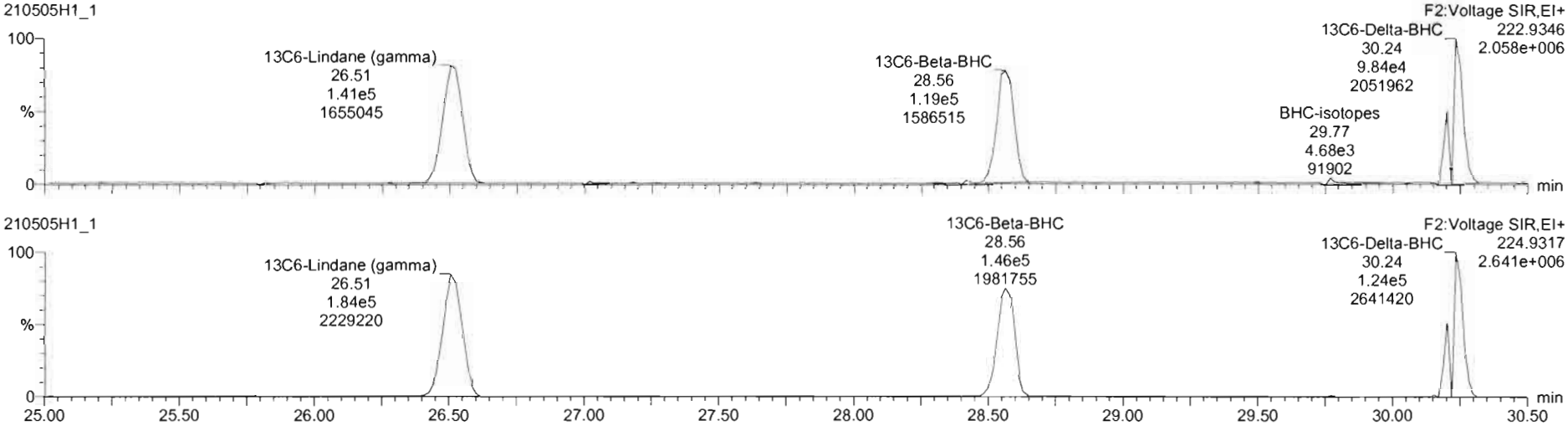
Last Altered: Wednesday, May 05, 2021 9:55:23 AM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:30:25 PM Pacific Daylight Time

Name: 210505H1_1, Date: 05-May-2021, Time: 09:04:17, ID: ST210505H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

4,4'-DDNU



13C6-Delta-BHC

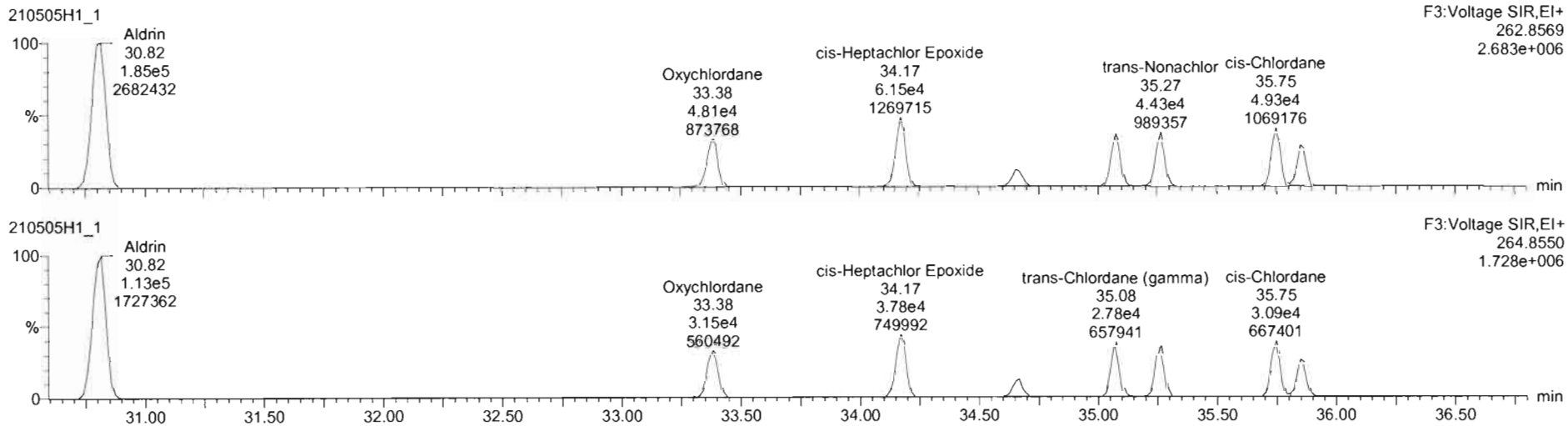


Dataset: U:\vg10.PRO\Results\210505H1\210505H1.qld

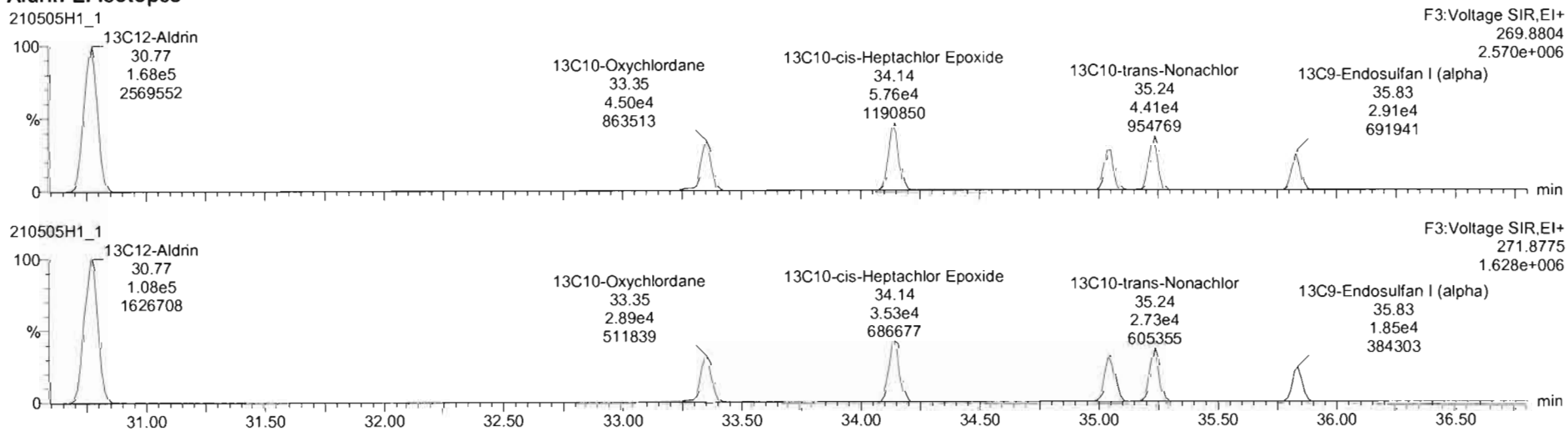
Last Altered: Wednesday, May 05, 2021 9:55:23 AM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:30:25 PM Pacific Daylight Time

Name: 210505H1_1, Date: 05-May-2021, Time: 09:04:17, ID: ST210505H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

Aldrin-EI



Aldrin-EI-isotopes

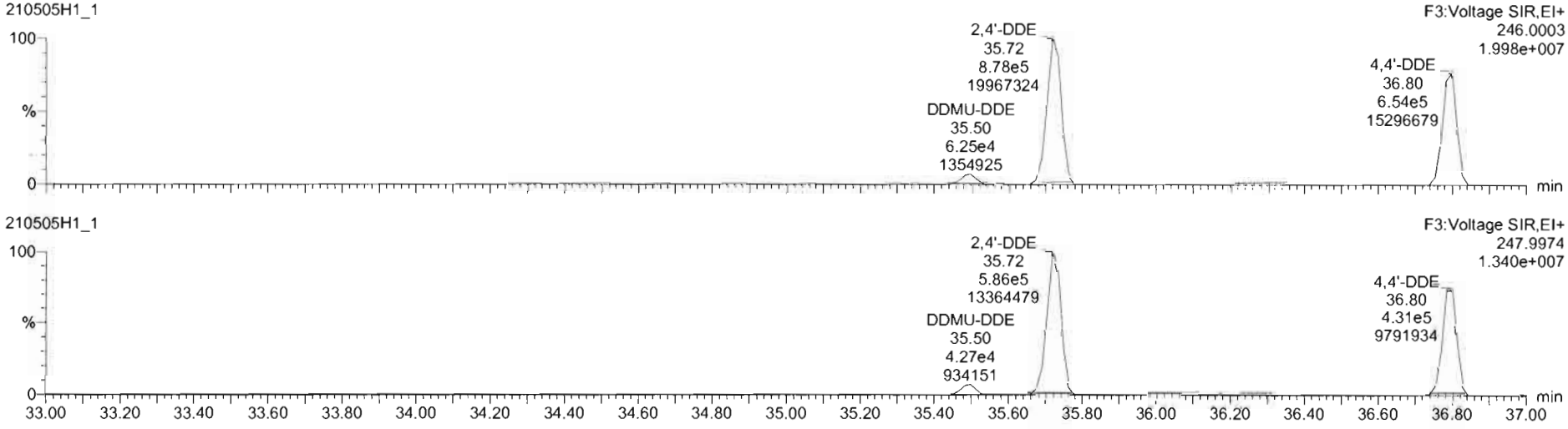


Dataset: U:\vg10.PRO\Results\210505H1\210505H1.qld

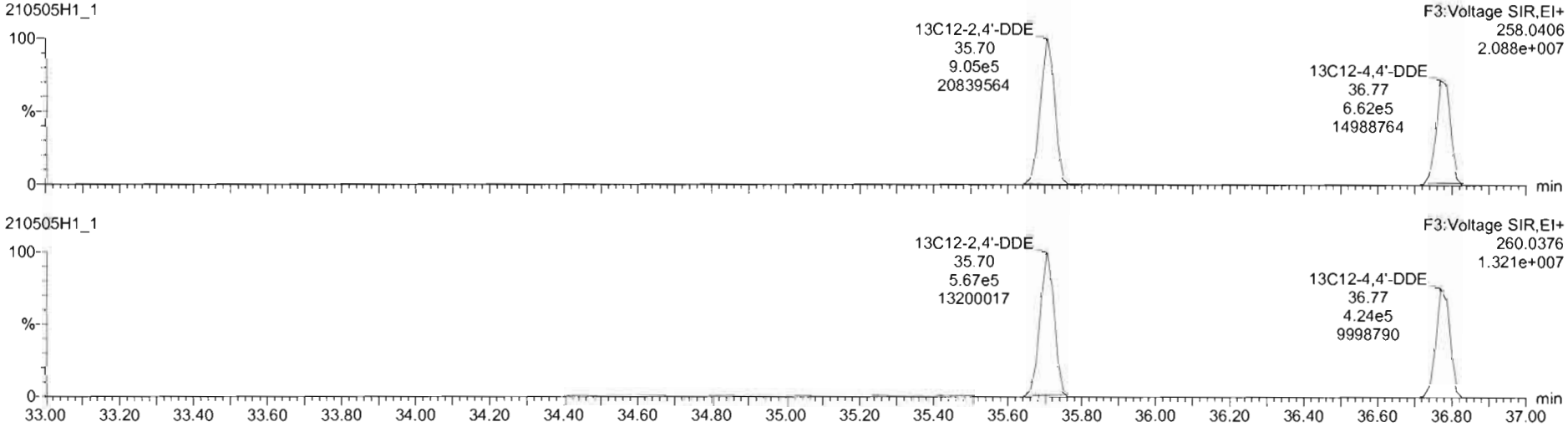
Last Altered: Wednesday, May 05, 2021 9:55:23 AM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:30:25 PM Pacific Daylight Time

Name: 210505H1_1, Date: 05-May-2021, Time: 09:04:17, ID: ST210505H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

DDMU-DDE



DDE-isotopes

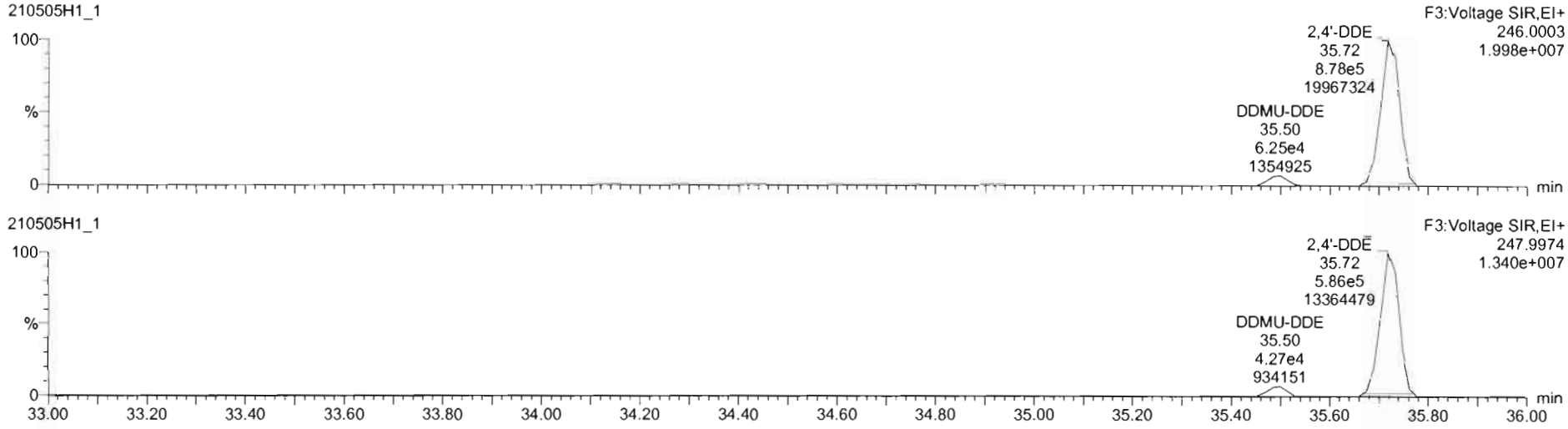


Dataset: U:\vg10.PRO\Results\210505H1\210505H1.qld

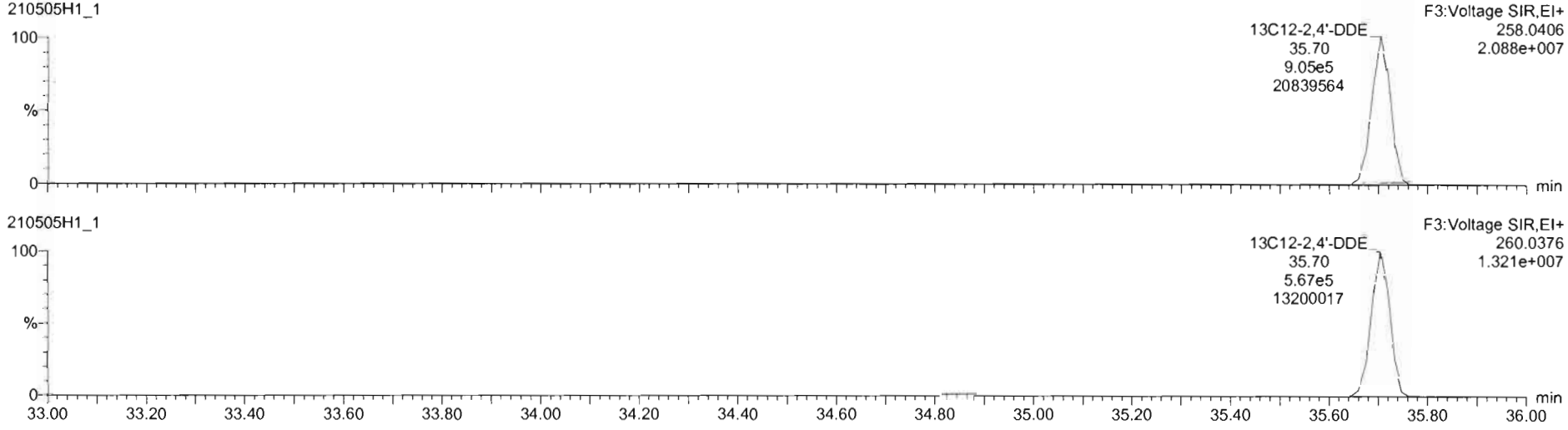
Last Altered: Wednesday, May 05, 2021 9:55:23 AM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:30:25 PM Pacific Daylight Time

Name: 210505H1_1, Date: 05-May-2021, Time: 09:04:17, ID: ST210505H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

2,4'-DDE



13C12-2,4'-DDE

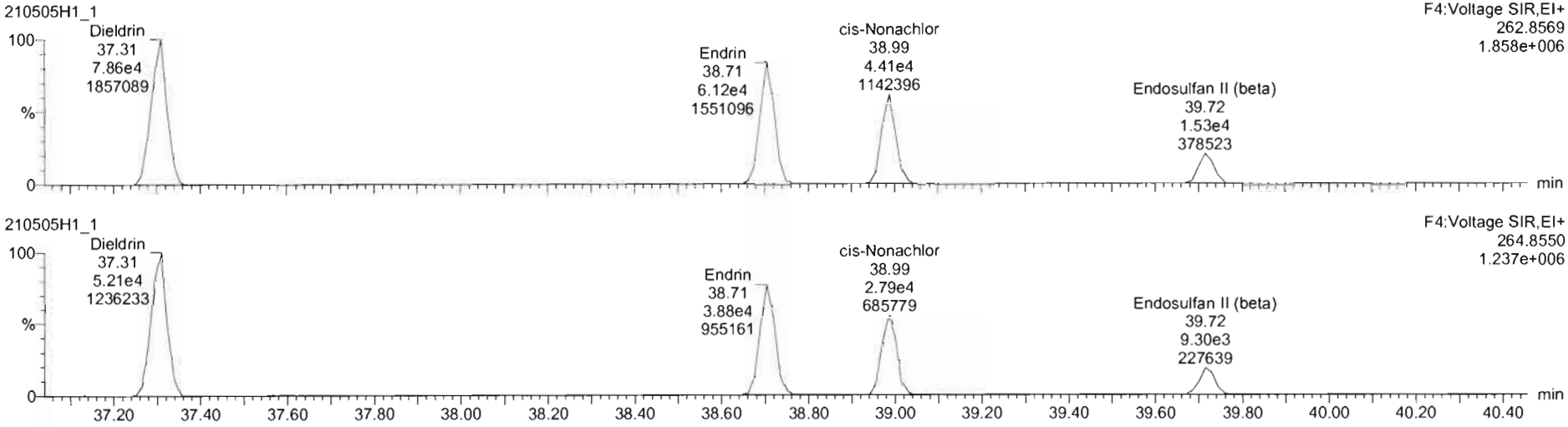


Dataset: U:\vg10.PRO\Results\210505H1\210505H1.qld

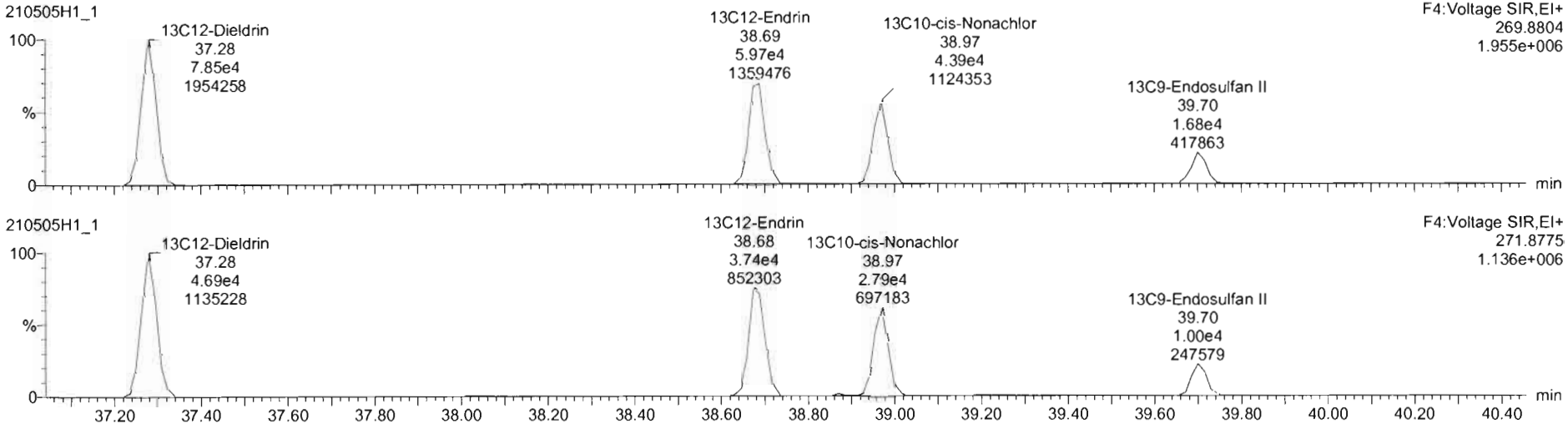
Last Altered: Wednesday, May 05, 2021 9:55:23 AM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:30:25 PM Pacific Daylight Time

Name: 210505H1_1, Date: 05-May-2021, Time: 09:04:17, ID: ST210505H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

Dieldrin-EII



Dieldrin-EII-isotopes

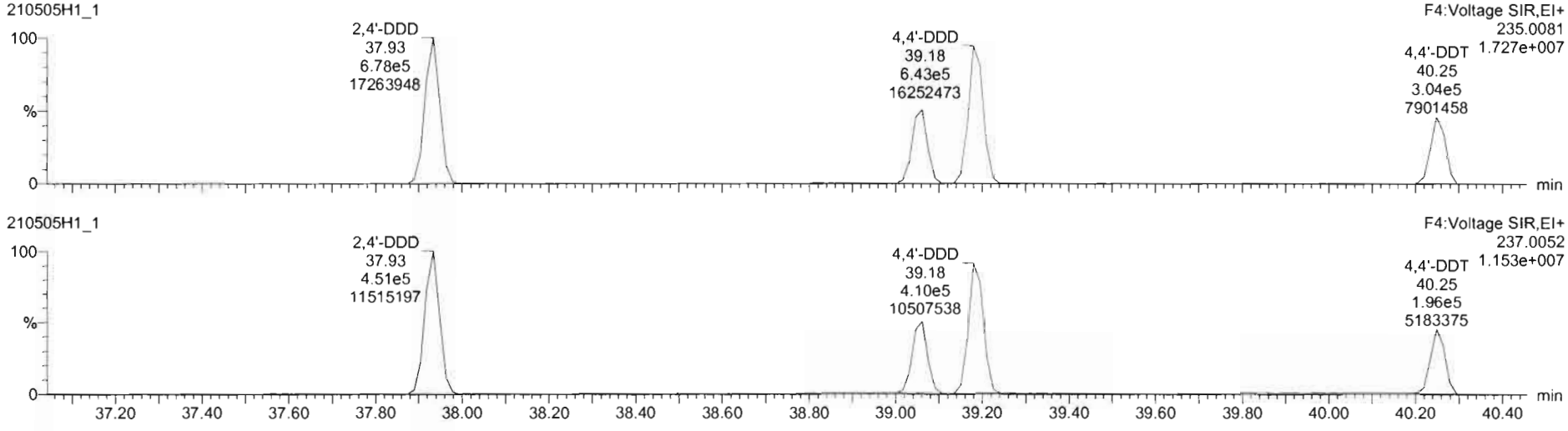


Dataset: U:\vg10.PRO\Results\210505H1\210505H1.qld

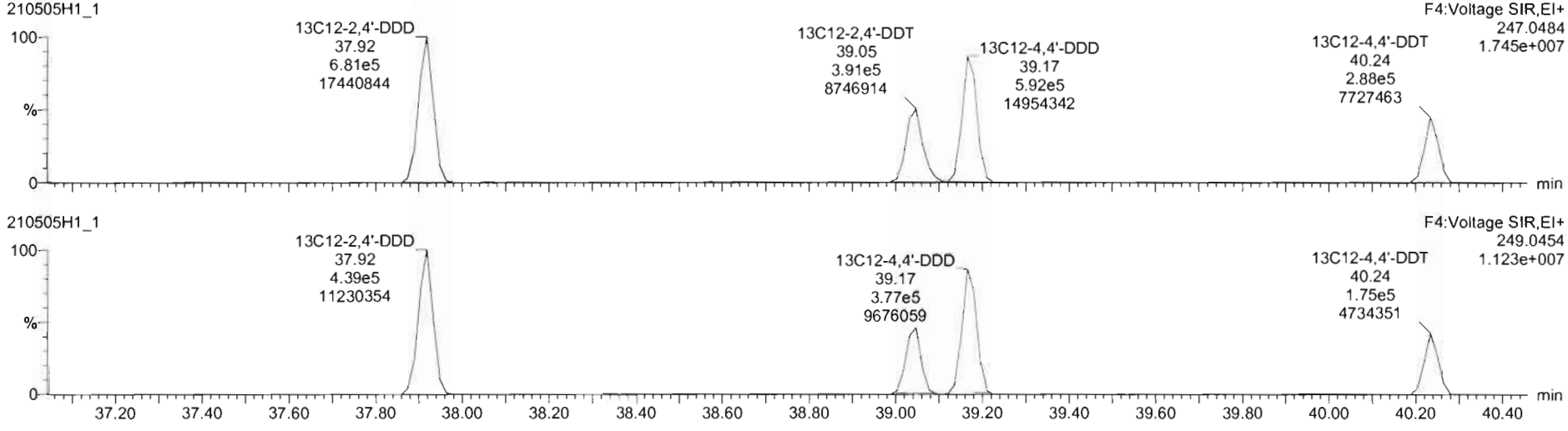
Last Altered: Wednesday, May 05, 2021 9:55:23 AM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:30:25 PM Pacific Daylight Time

Name: 210505H1_1, Date: 05-May-2021, Time: 09:04:17, ID: ST210505H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

DDD-DDT



DDD-DDT-isotopes

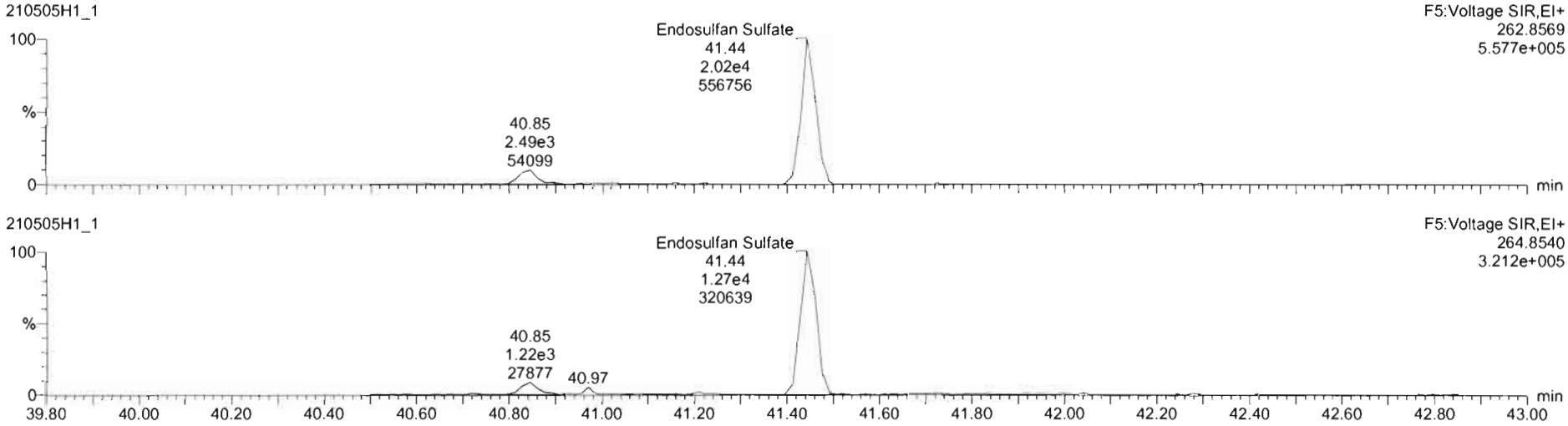


Dataset: U:\vg10.PRO\Results\210505H1\210505H1.qld

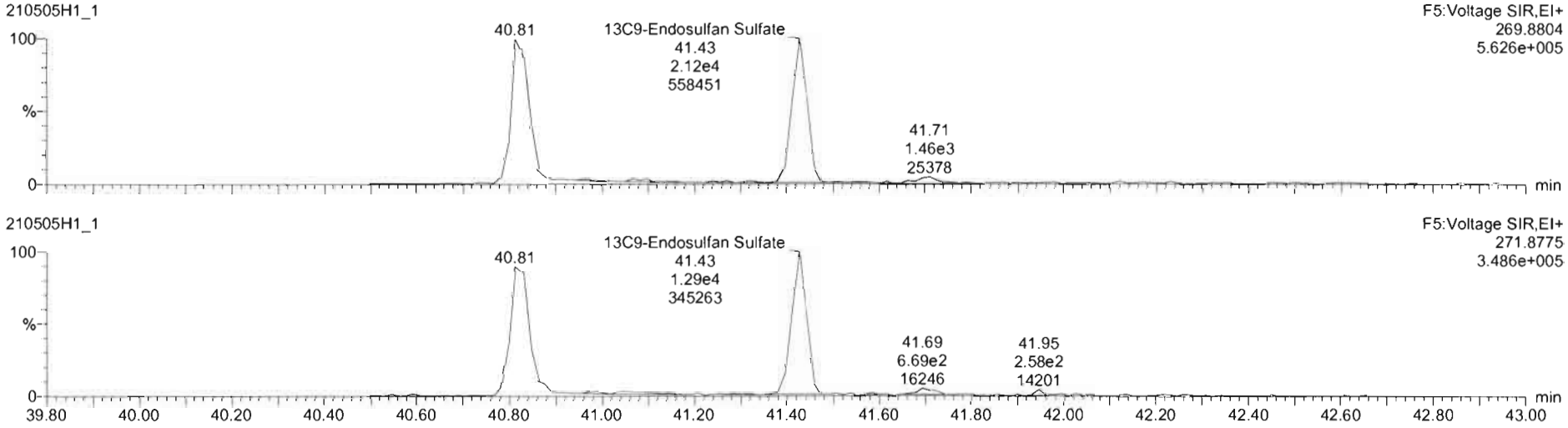
Last Altered: Wednesday, May 05, 2021 9:55:23 AM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:30:25 PM Pacific Daylight Time

Name: 210505H1_1, Date: 05-May-2021, Time: 09:04:17, ID: ST210505H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

Endosulfan Sulfate



13C9-Endosulfan Sulfate

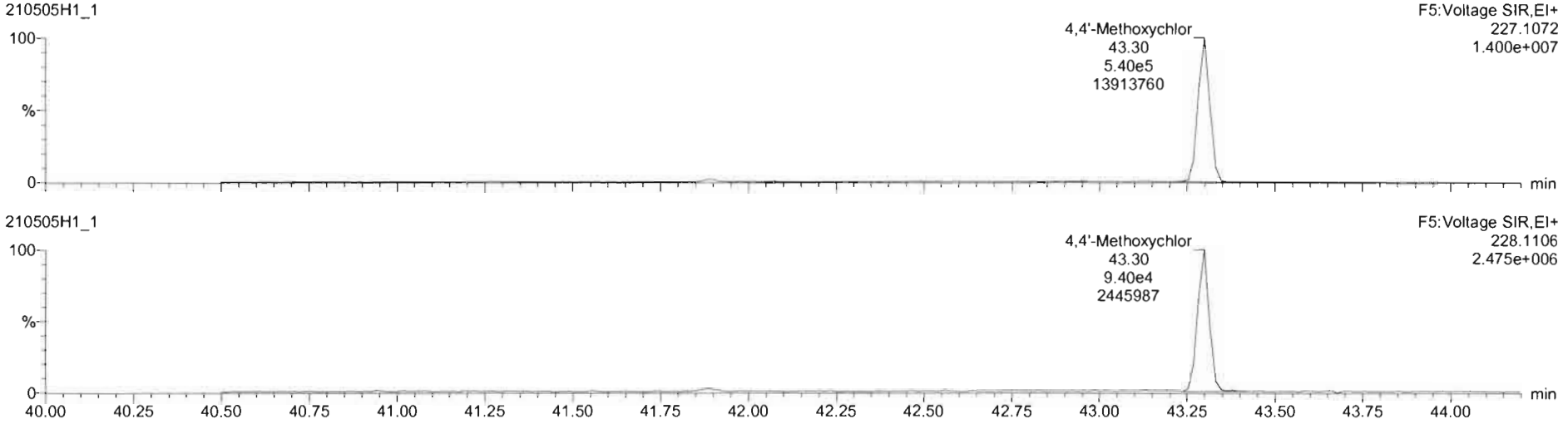


Dataset: U:\vg10.PRO\Results\210505H1\210505H1.qld

Last Altered: Wednesday, May 05, 2021 9:55:23 AM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:30:25 PM Pacific Daylight Time

Name: 210505H1_1, Date: 05-May-2021, Time: 09:04:17, ID: ST210505H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

4,4'-Methoxychlor



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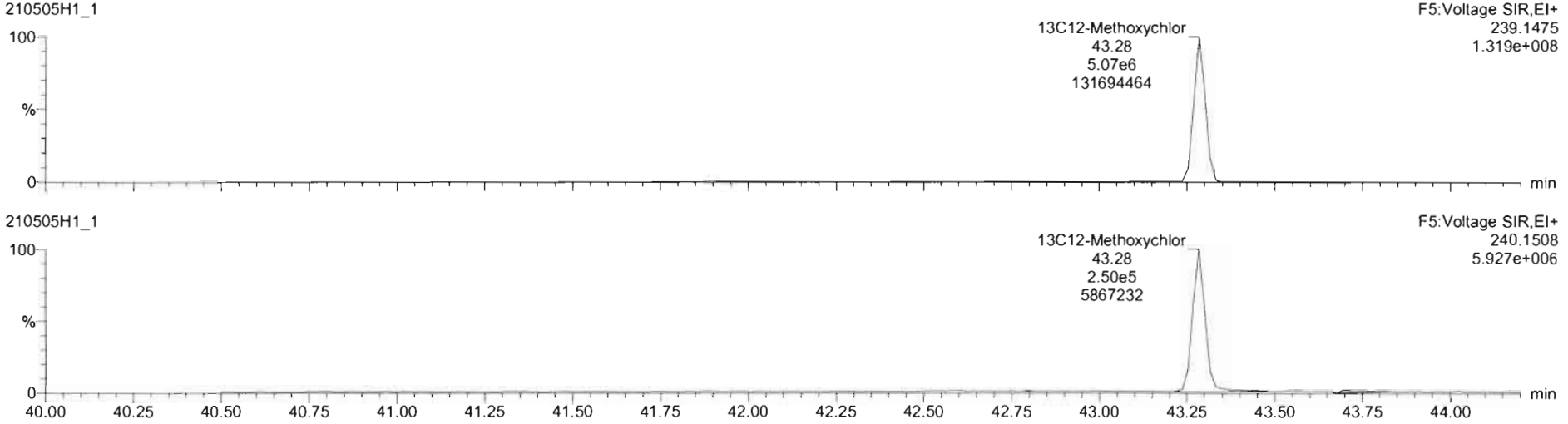
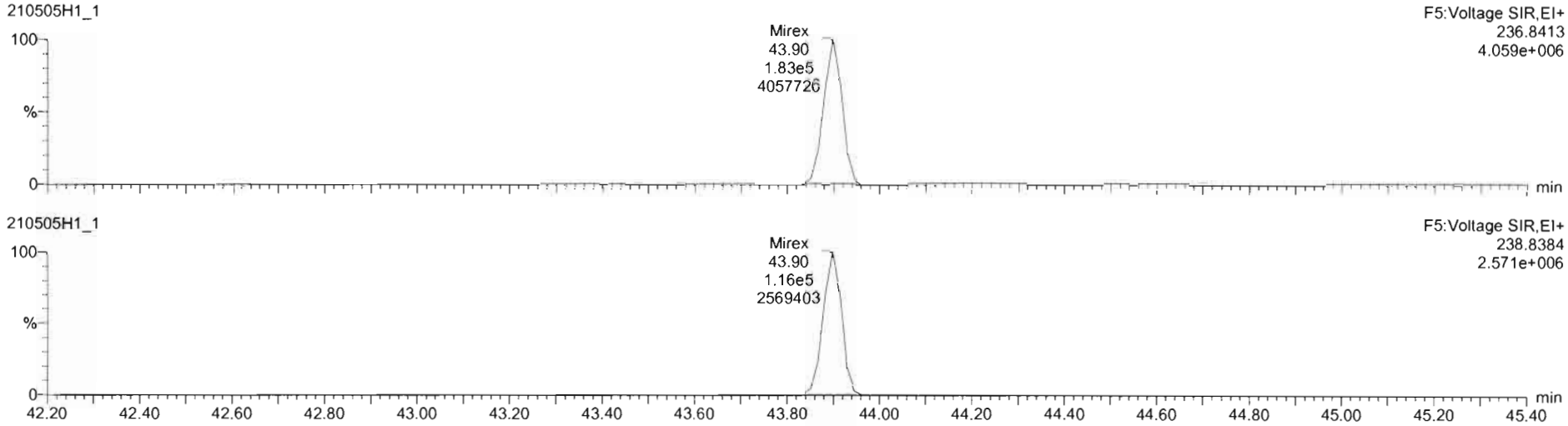


Dataset: U:\vg10.PRO\Results\210505H1\210505H1.qld

Last Altered: Wednesday, May 05, 2021 9:55:23 AM Pacific Daylight Time
Printed: Wednesday, May 05, 2021 4:30:25 PM Pacific Daylight Time

Name: 210505H1_1, Date: 05-May-2021, Time: 09:04:17, ID: ST210505H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

Mirex



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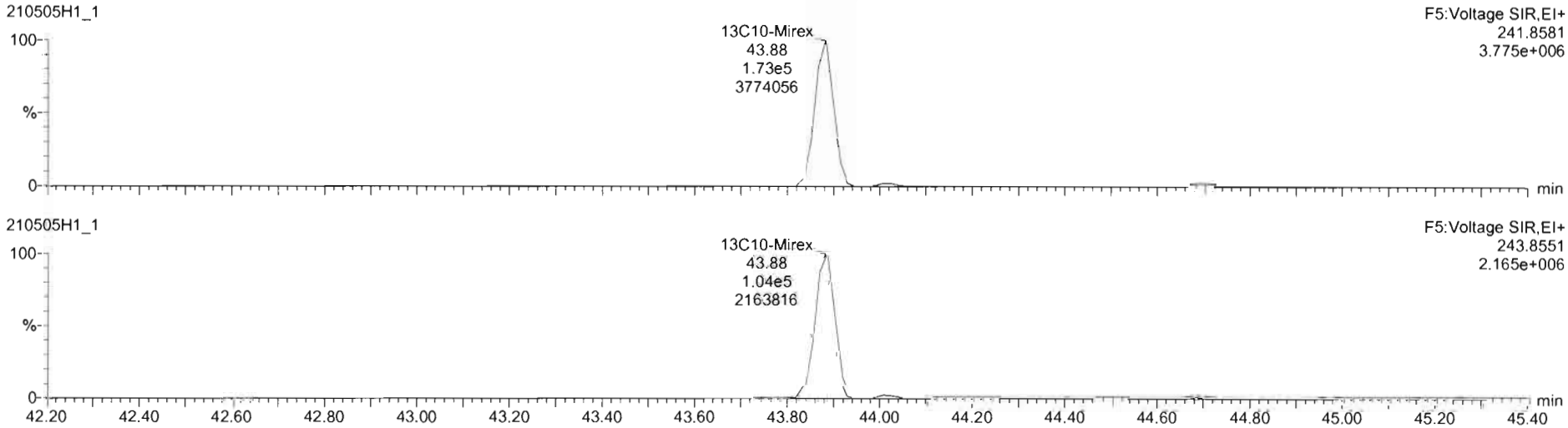

Dataset: U:\vg10.PRO\Results\210505H1\210505H1.qld

Last Altered: Wednesday, May 05, 2021 9:55:23 AM Pacific Daylight Time
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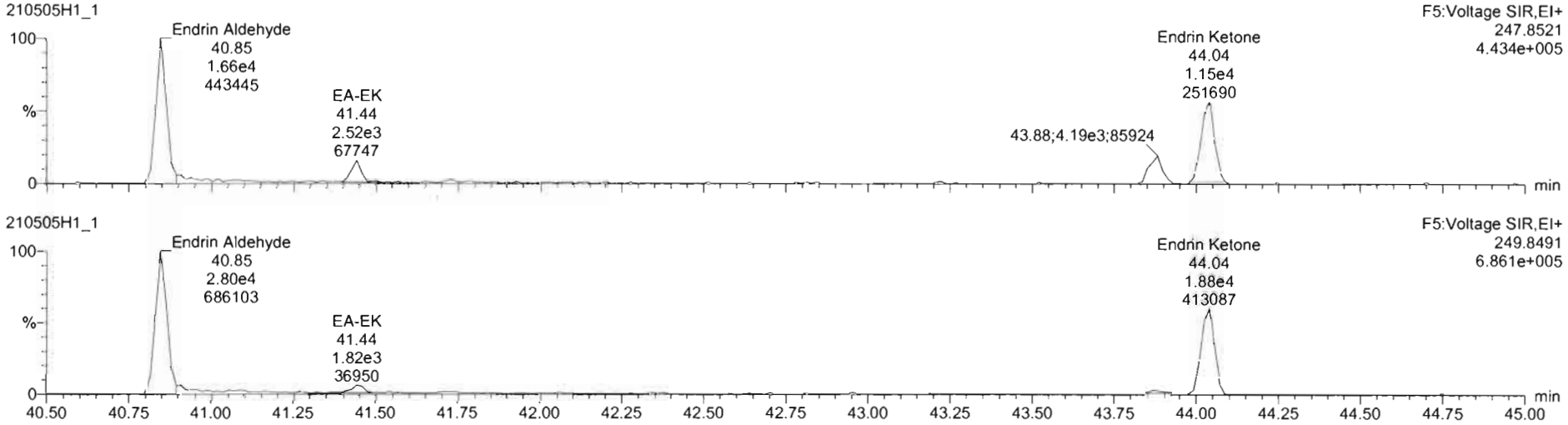
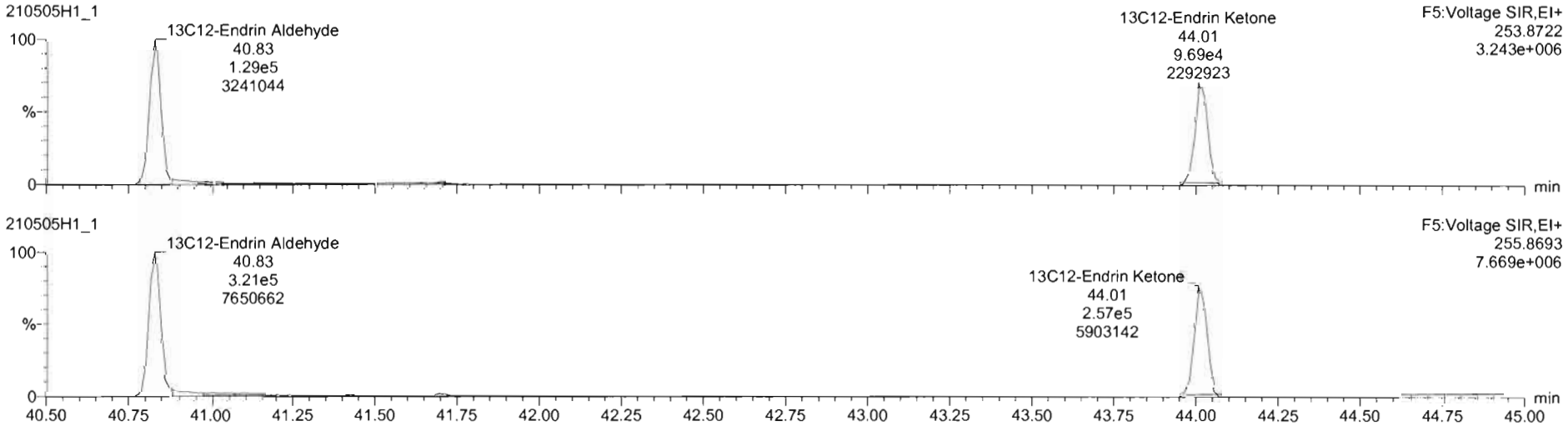
Name: 210505H1_1, Date: 05-May-2021, Time: 09:04:17, ID: ST210505H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

EA-EK



EA-EK-isotopes



Dataset: U:\vg10.PRO\Results\210505H1\210505H1.qld

Last Altered: Wednesday, May 05, 2021 9:55:23 AM Pacific Daylight Time
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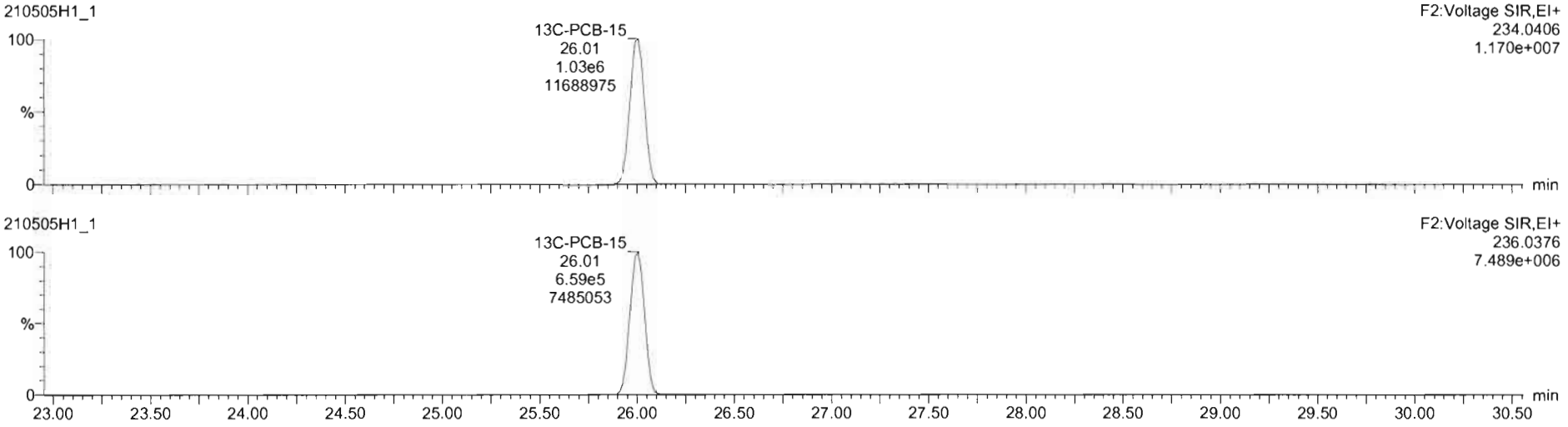
Name: 210505H1_1, Date: 05-May-2021, Time: 09:04:17, ID: ST210505H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

13C-PCB-15



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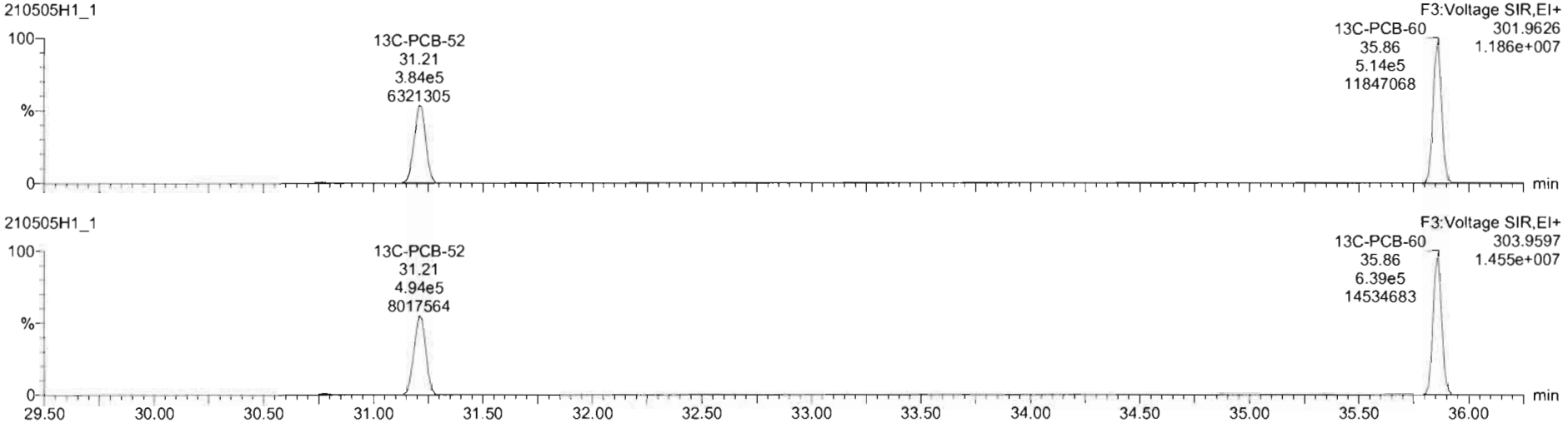

Dataset: U:\vg10.PRO\Results\210505H1\210505H1.qld

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Name: 210505H1_1, Date: 05-May-2021, Time: 09:04:17, ID: ST210505H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

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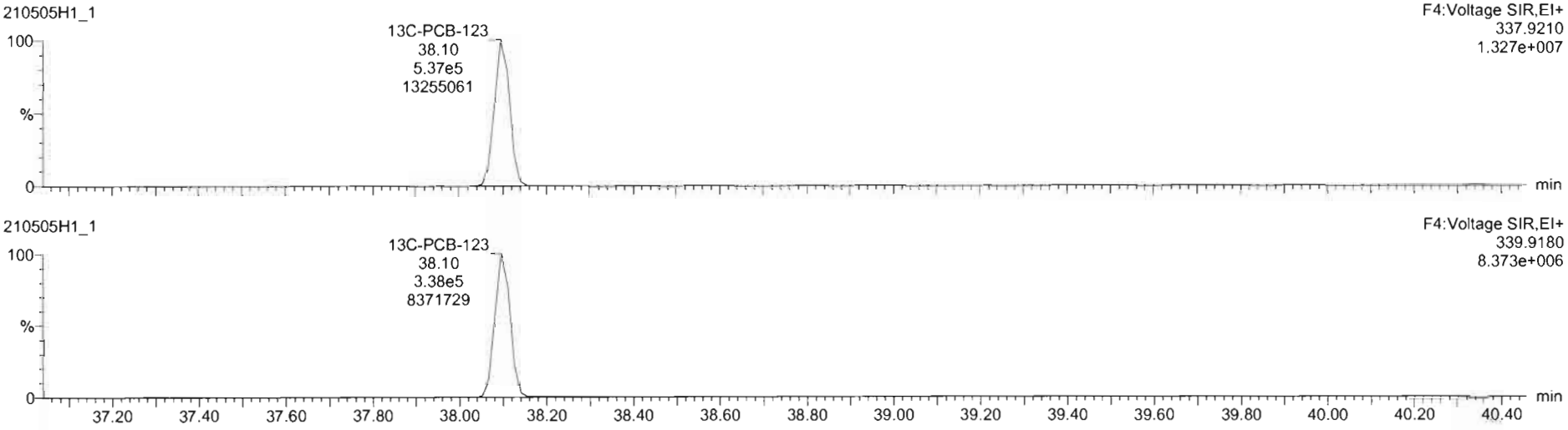

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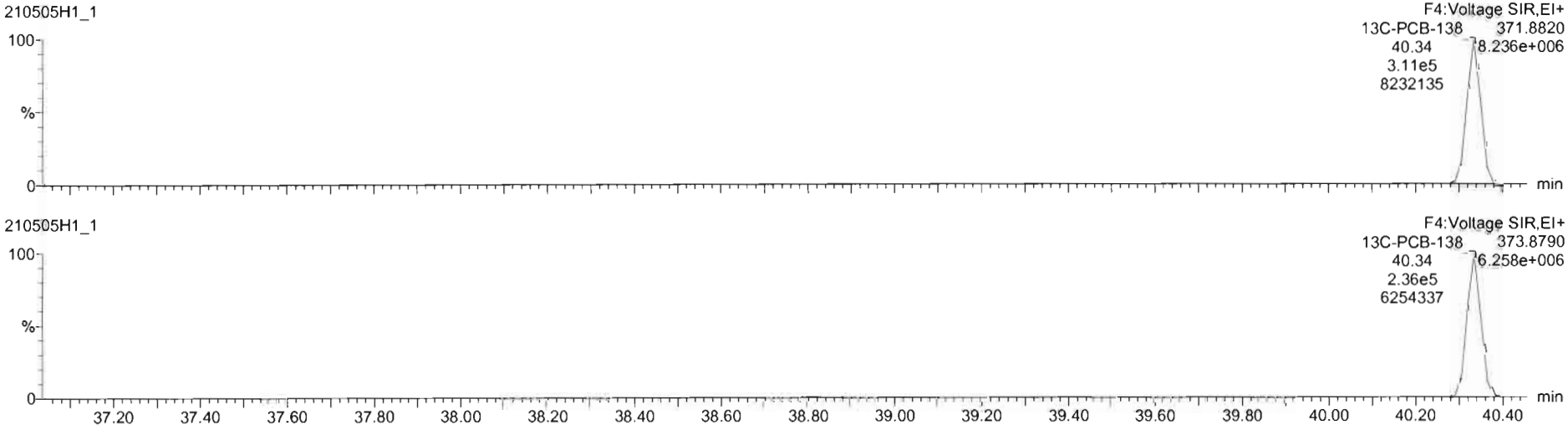

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Last Altered: Wednesday, May 05, 2021 9:55:23 AM Pacific Daylight Time
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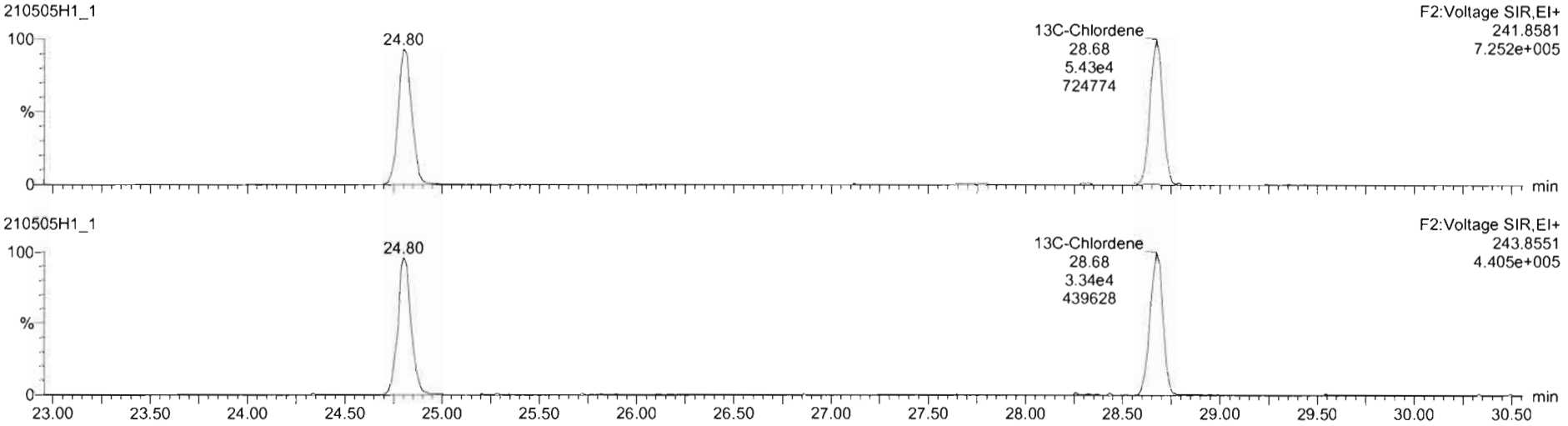
Name: 210505H1_1, Date: 05-May-2021, Time: 09:04:17, ID: ST210505H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

13C-Chlordene



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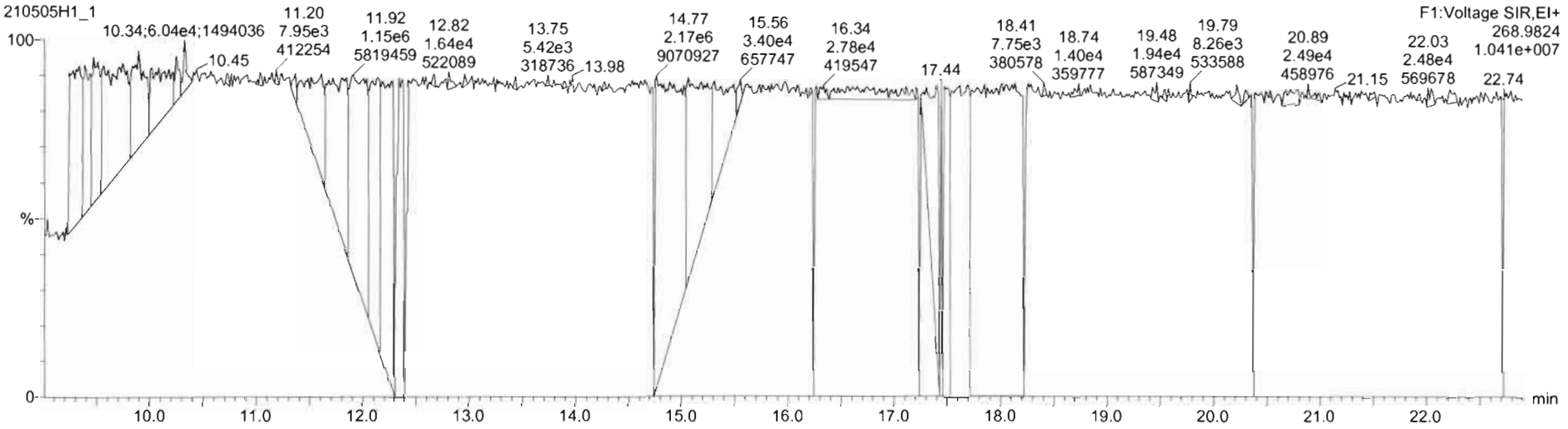

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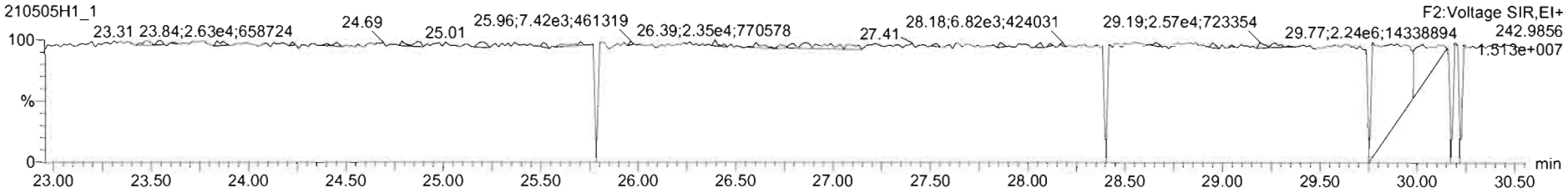
PFK2



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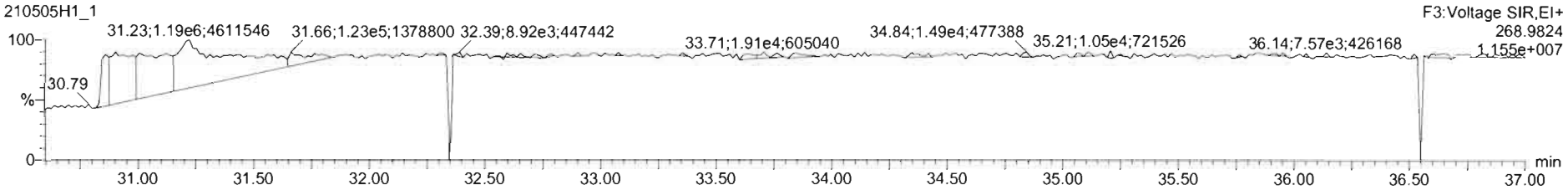

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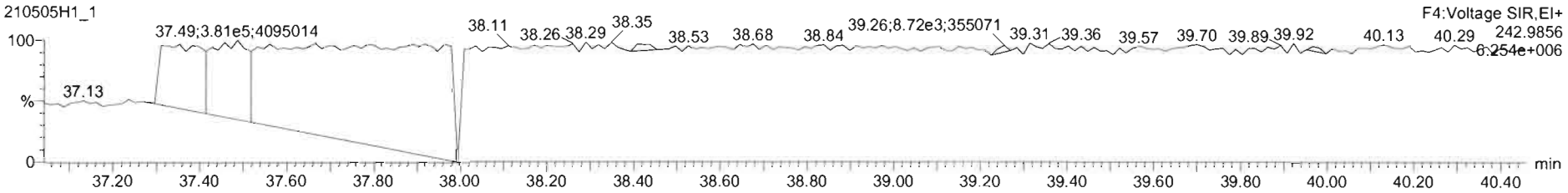

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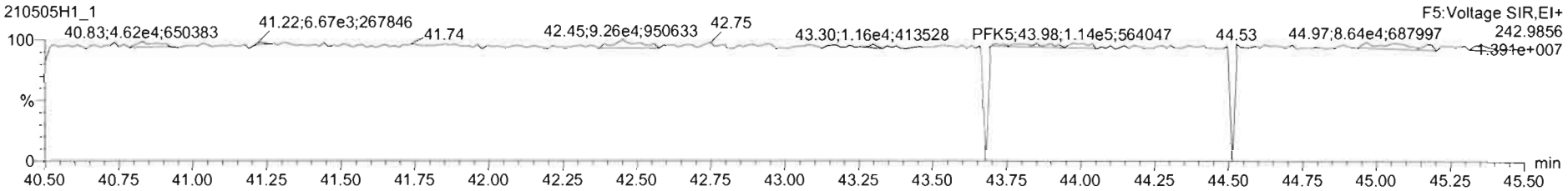
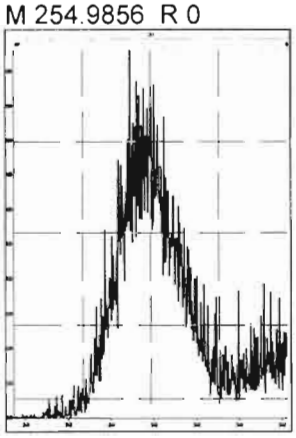
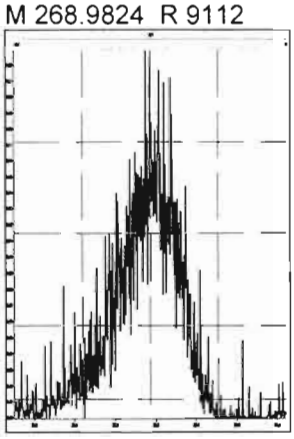


Printed: Wednesday, May 05, 2021 16:38:54 Pacific Daylight Time (A) Did not centroid

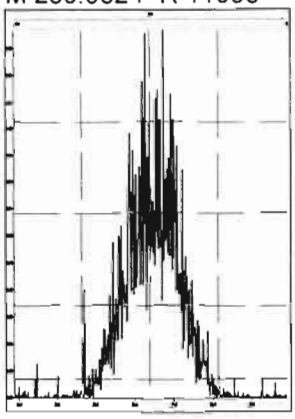
M 254.9856 R 0



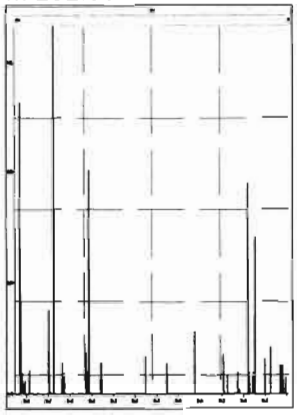
M 268.9824 R 9112



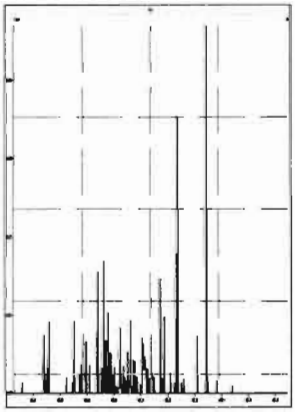
M 280.9824 R 11038



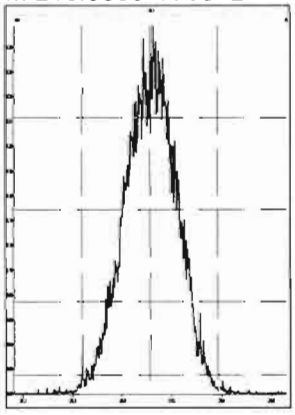
M 292.9824 R 288446 (A)



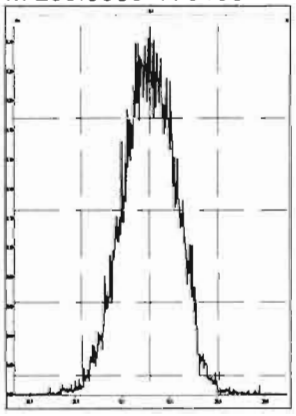
M 204.9888 R 371801 (B)



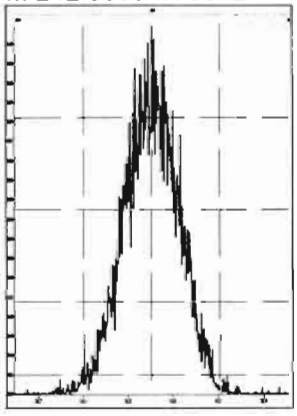
M 218.9856 R 9302



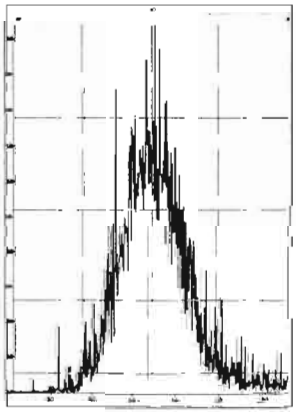
M 230.9856 R 9195



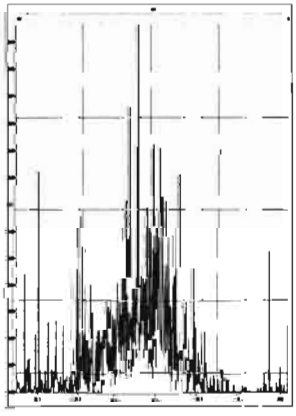
M 242.9856 R 9072



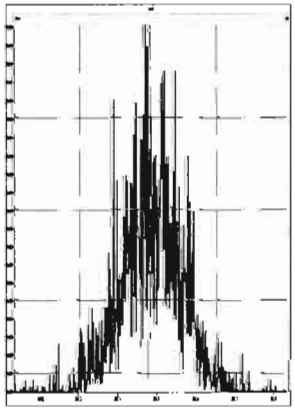
M 254.9856 R 8182



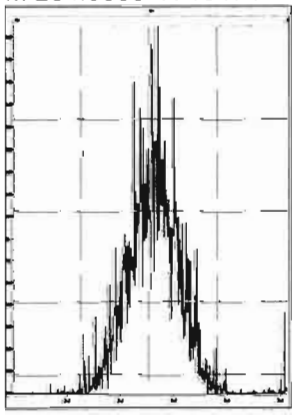
M 268.9824 R 17823



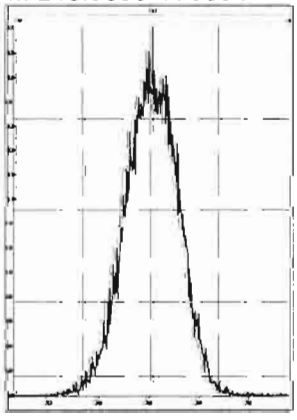
M 280.9824 R 10378



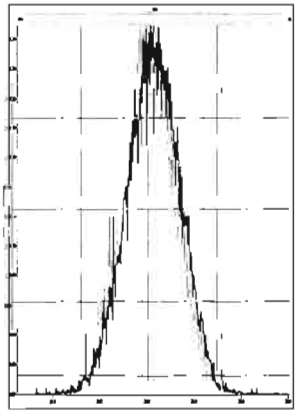
M 204.9888 R 10474



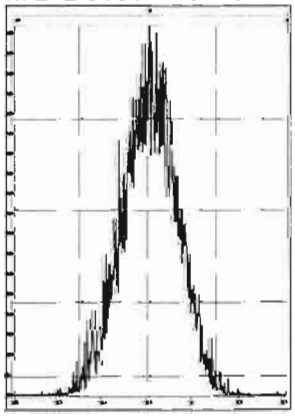
M 218.9856 R 9394



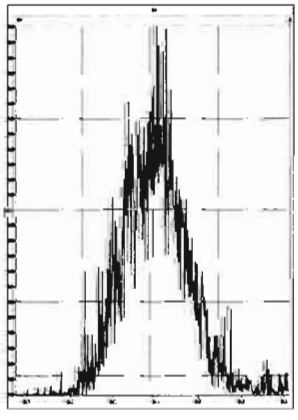
M 230.9856 R 8948



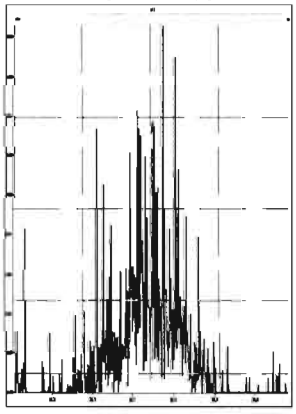
M 242.9856 R 9049



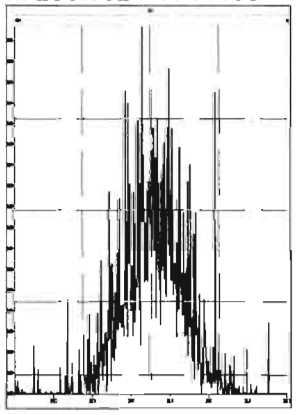
M 254.9856 R 9196



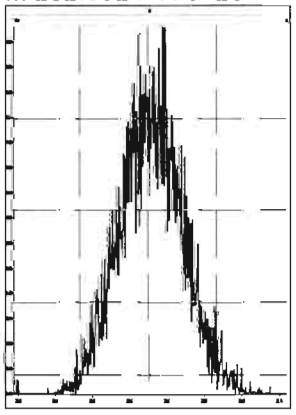
M 268.9824 R 18717



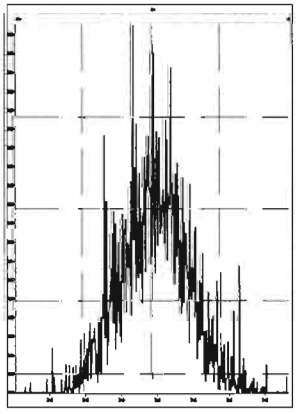
M 280.9824 R 11156



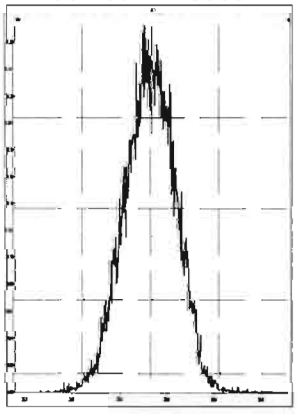
M 292.9824 R 8723



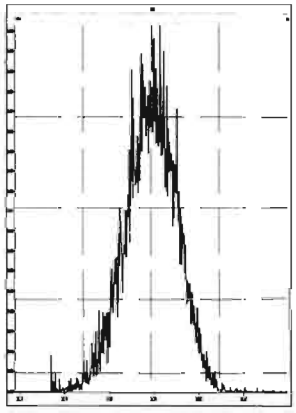
M 304.9824 R 9449



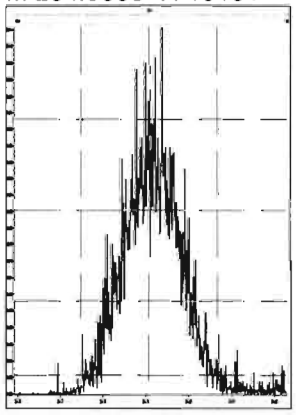
M 230.9856 R 9658



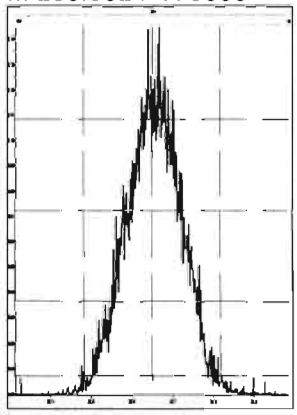
M 242.9856 R 9455



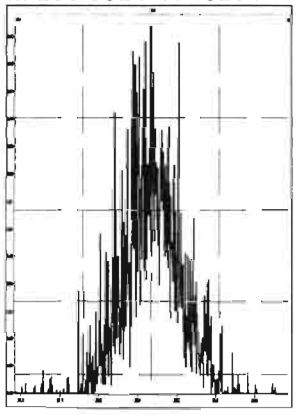
M 254.9856 R 10181



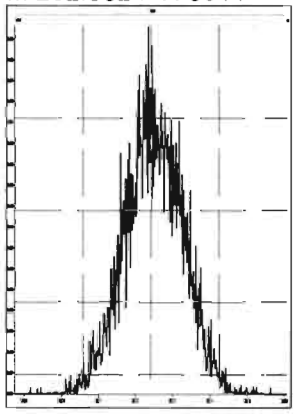
M 268.9824 R 9008



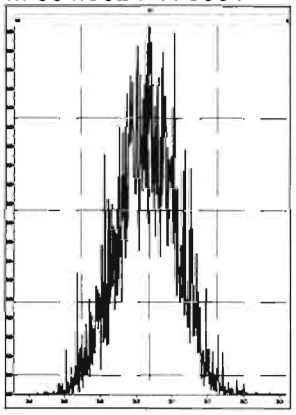
M 280.9824 R 10284



M 292.9824 R 8511



M 304.9824 R 9331



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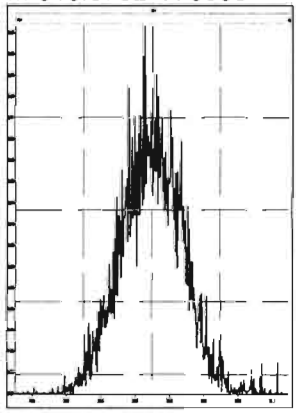
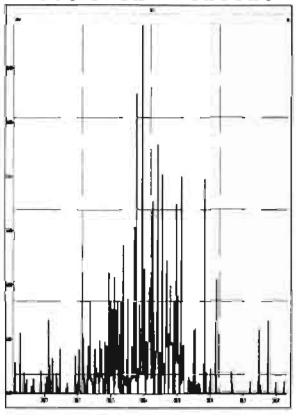
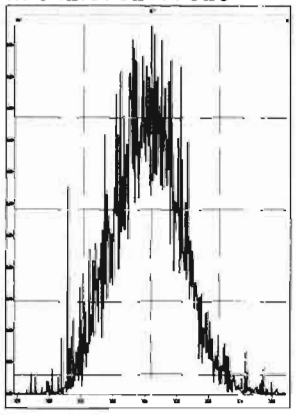


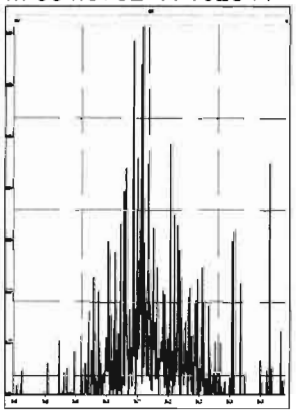
M 330.9792 R 326925



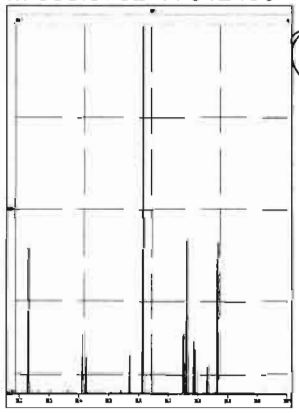
M 342.9792 R 8281



M 354.9792 R 102941

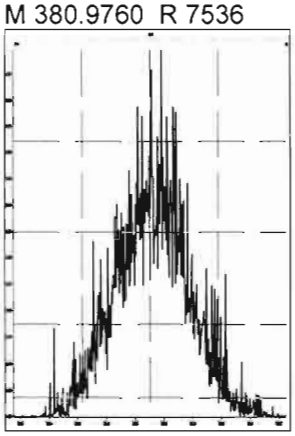


M 366.9792 R 312498

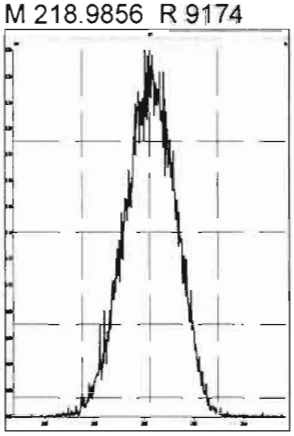


(A)

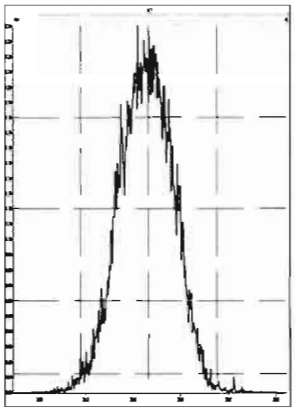
M 380.9760 R 7536



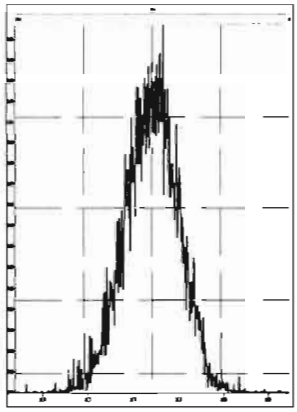
M 218.9856 R 9174



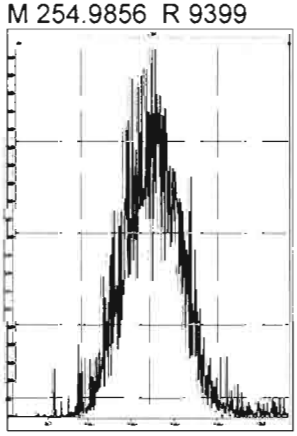
M 230.9856 R 9327



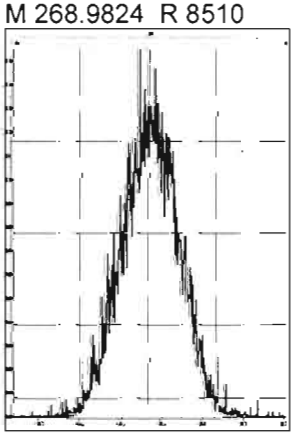
M 242.9856 R 9523



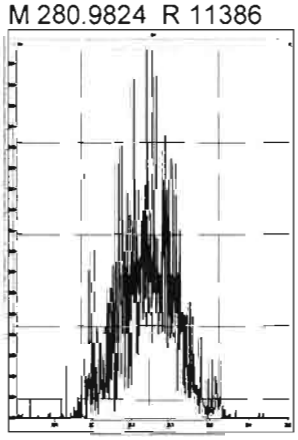
M 254.9856 R 9399



M 268.9824 R 8510



M 280.9824 R 11386



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calbration ID: ST210506H1-1

Reviewed By: Hz 5.7.2021

Initials & Date

End Calibration ID: NA

	Beg.	End
Ion abundance within QC limits?	✓	
Concentrations within criteria?	✓	
TCDD/TCDF Valleys <25%	NA	
First and last eluters present?	NA	
Retention Times within criteria?	✓	
Verification Std. named correctly? (ST-Year-Month-Day-VG ID)	✓	
Forms signed and dated?	✓	
Correct ICAL referenced?	DF	

Run Log:

	Beg.	End
- Correct instrument listed?	✓	
- Samples within 12 hour clock?	Y	N
- Bottle position verfied?	DF	

	Beg.	End (B)
Mass resolution ≥	✓	✓

☐ 5k 1614 ☒ 6-8K 1699 ☐ 8K 429 ☐ 10K 1613/1668/8280

	Beg.	End
Intergrated peaks display correctly?	✓	NA

GC Break <20% NA ~~A~~ (A)

8280 CS1 End Standard:

- Ratios within limits, S/N <2.5:1, CS1 within 12 hours NA

Comments:

(A) CCal ~~CS3~~ only for Aldrin, GC Break not needed

(B) Column bleed in one mass

Vista Analytical Laboratory
El Dorado Hills, CA 95762

HRMS Calibration Stds Original 01-2017

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210506H1\210506H1_1.qld

Last Altered: Thursday, May 06, 2021 10:31:27 AM Pacific Daylight Time
Printed: Thursday, May 06, 2021 3:32:13 PM Pacific Daylight Time

DF 05/06/21
th 5.7.2021

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210506H1_1, Date: 06-May-2021, Time: 09:43:17, ID: ST210506H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402, Task: ST210506H1_1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	9	Aldrin	3.03e5	2.67e5	1.61	NO	1.12	1.000	30.82	1.001	1.001	NO	50.932	102 (75-125)	0.0383	50.9
2	40	13C12-Aldrin	2.67e5	2.16e6	1.62	NO	0.152	1.000	30.79	1.183	1.181	NO	40.500	81.0 (50-150)	0.0598	
3	62	13C-PCB-15	2.16e6	2.16e6	1.57	NO	1.00	1.000	26.02	1.000	1.000	NO	50.000	100	0.0202	

Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Thursday, May 06, 2021 16:19:20 Pacific Daylight Time
Printed: Thursday, May 06, 2021 16:19:37 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

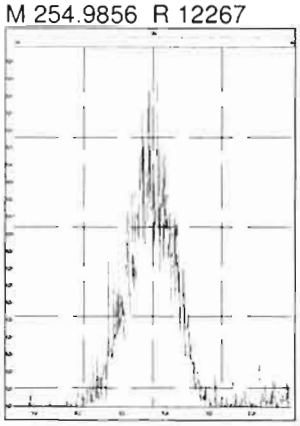
Compound name: Hexachlorobutadiene

	Name	ID	Acq.Date	Acq.Time
1	210506H1_1	ST210506H1_1 1699 CS3 21C0402	06-May-21	09:43:17
2	210506H1_2	SOLVENT BLANK	06-May-21	10:33:33
3	210506H1_3	2103219-06RE1@3X USMPDI-069RAB-20-36...	06-May-21	11:20:39
4	210506H1_4	2103219-06RE1@6X USMPDI-069RAB-20-36...	06-May-21	12:20:52
5	210506H1_5	2103219-03RE1@6X USMPDI-068RAB-20-32...	06-May-21	13:43:15
6	210506H1_6	2103216-11RE2@6X USMPDI-064RAB-00-10...	06-May-21	14:30:55
7	210506H1_7	SOLVENT BLANK	06-May-21	15:22:39

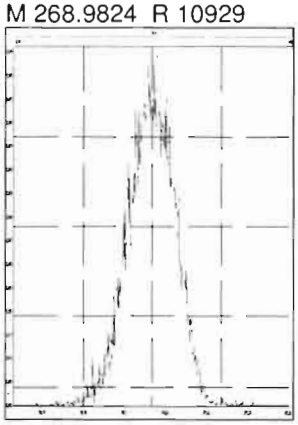
File: Experiment: 1699_zb50_10k.exp Reference: Pfk.ref Function: 1 @ 250 (ppm)

Printed: Thursday, May 06, 2021 09:37:13 Pacific Daylight Time

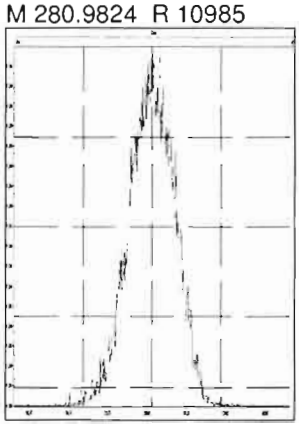
M 254.9856 R 12267



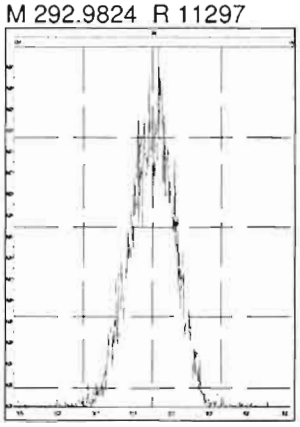
M 268.9824 R 10929



M 280.9824 R 10985



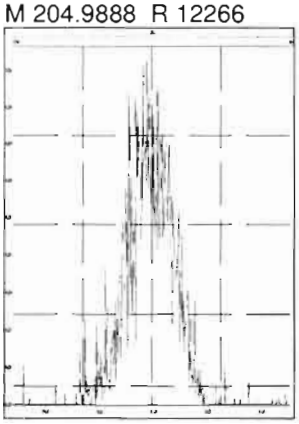
M 292.9824 R 11297



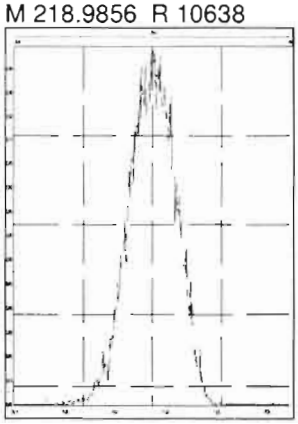
File: Experiment: 1699_zb50_10k.exp Reference: Pfk.ref Function: 2 @ 250 (ppm)

Printed: Thursday, May 06, 2021 09:38:07 Pacific Daylight Time

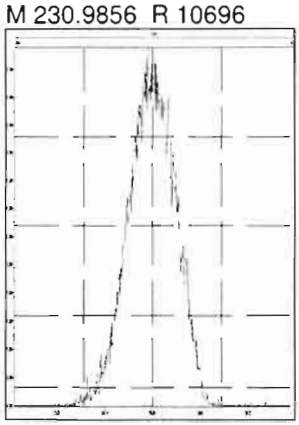
M 204.9888 R 12266



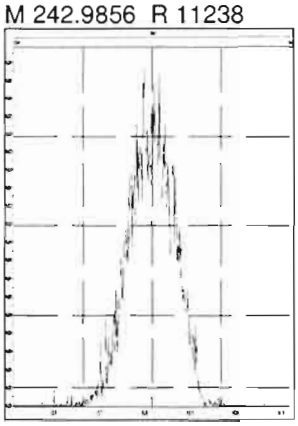
M 218.9856 R 10638



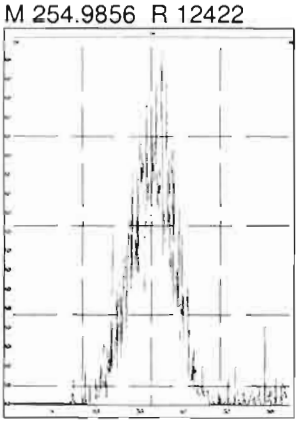
M 230.9856 R 10696



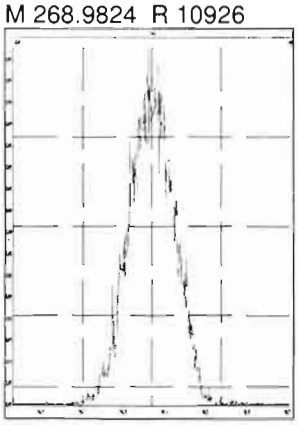
M 242.9856 R 11238



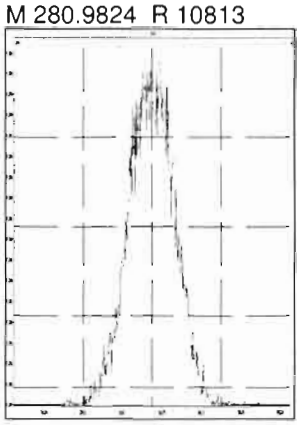
M 254.9856 R 12422



M 268.9824 R 10926



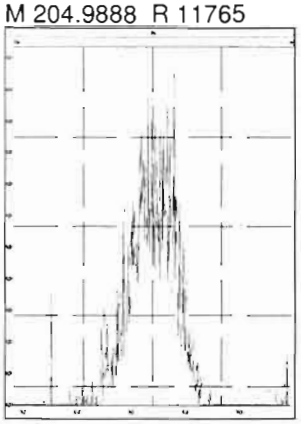
M 280.9824 R 10813



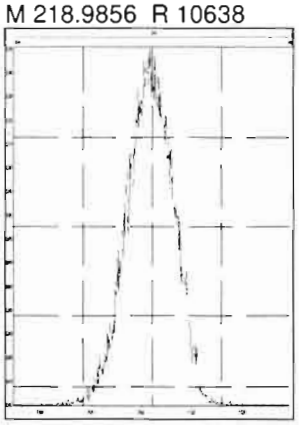
File: Experiment: 1699_zb50_10k.exp Reference: Pfk.ref Function: 3 @ 250 (ppm)

Printed: Thursday, May 06, 2021 09:38:46 Pacific Daylight Time

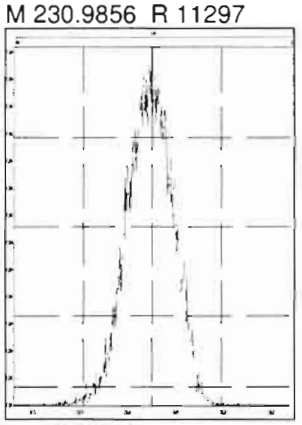
M 204.9888 R 11765



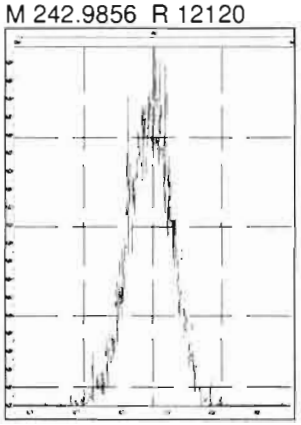
M 218.9856 R 10638



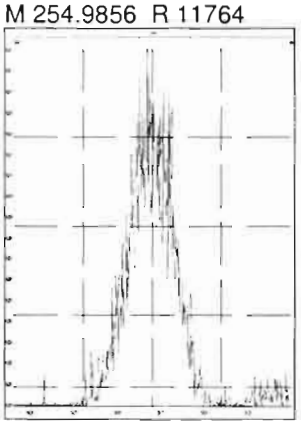
M 230.9856 R 11297



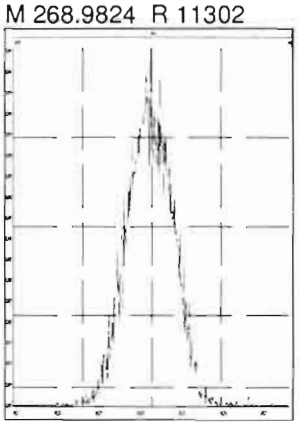
M 242.9856 R 12120



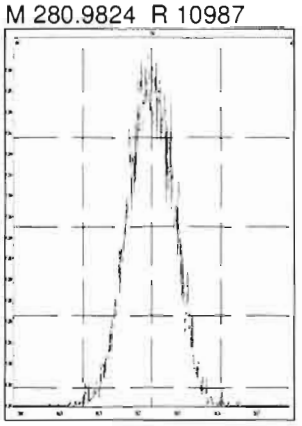
M 254.9856 R 11764



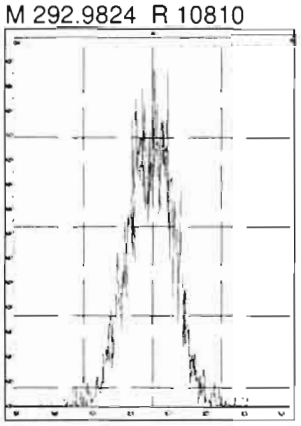
M 268.9824 R 11302



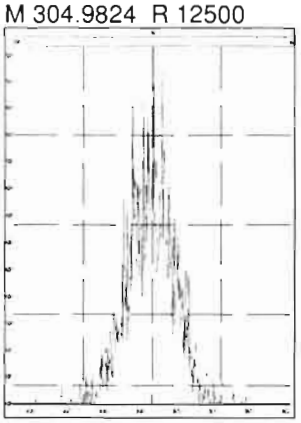
M 280.9824 R 10987



M 292.9824 R 10810



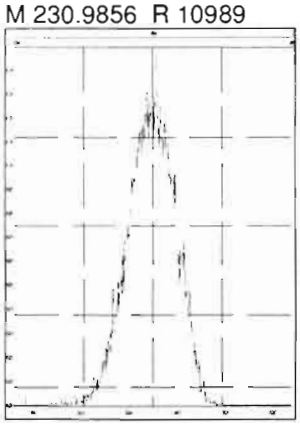
M 304.9824 R 12500



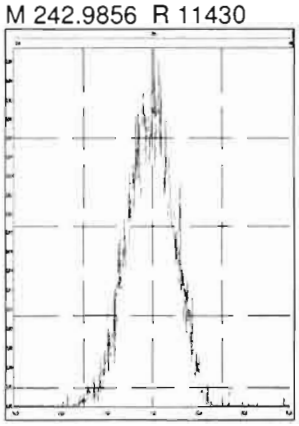
File: Experiment: 1699_zb50_10k.exp Reference: Pfk.ref Function: 4 @ 250 (ppm)

Printed: Thursday, May 06, 2021 09:39:45 Pacific Daylight Time

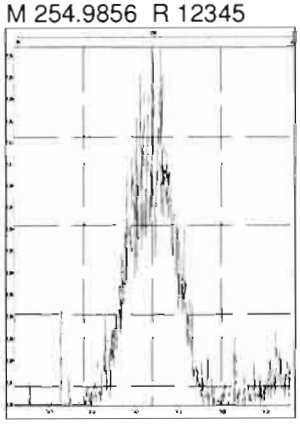
M 230.9856 R 10989



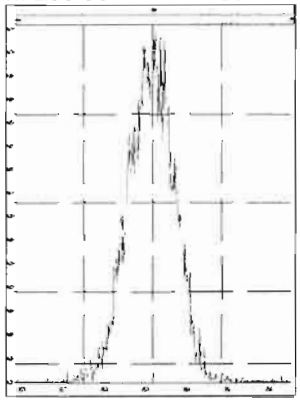
M 242.9856 R 11430



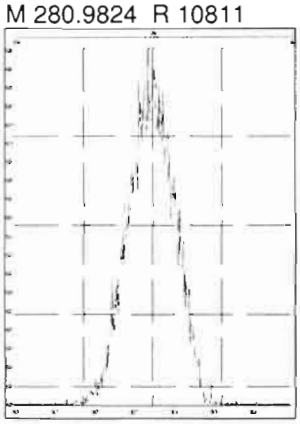
M 254.9856 R 12345



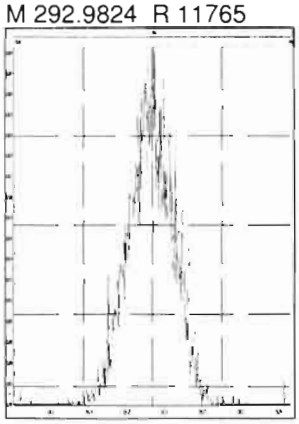
M 268.9824 R 11235



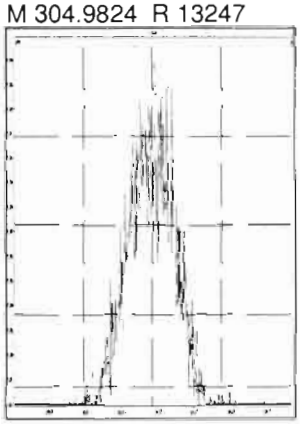
M 280.9824 R 10811



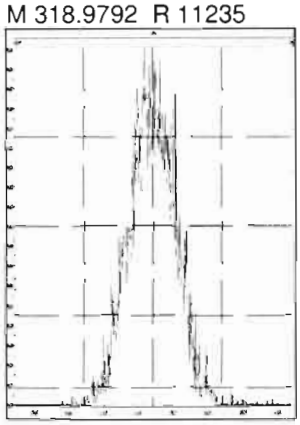
M 292.9824 R 11765



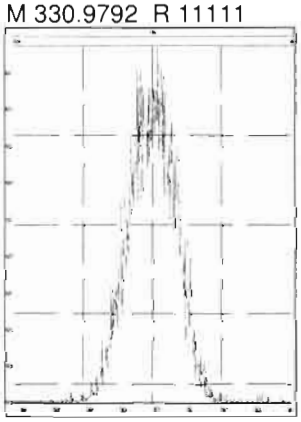
M 304.9824 R 13247



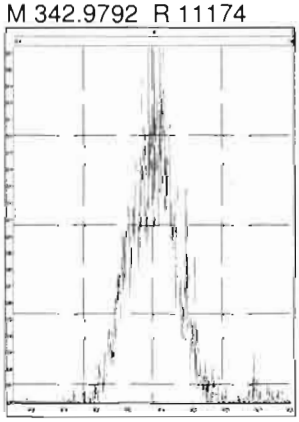
M 318.9792 R 11235



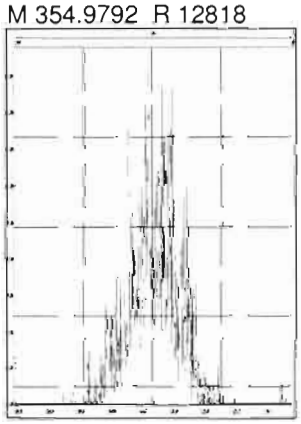
M 330.9792 R 11111



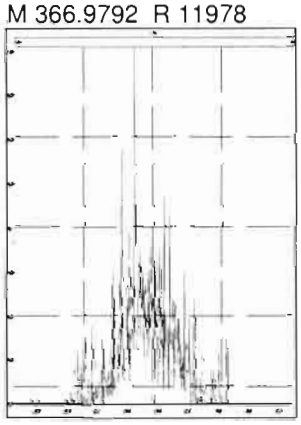
M 342.9792 R 11174



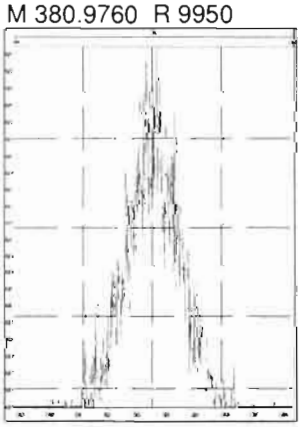
M 354.9792 R 12818



M 366.9792 R 11978



M 380.9760 R 9950



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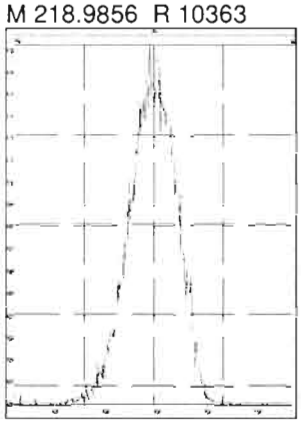
Printed: Thursday, May 06, 2021 09:40:20 Pacific Daylight Time

M 218.9856 R 10363



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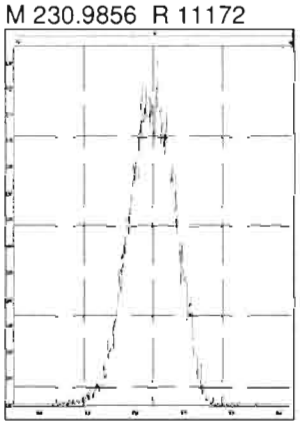

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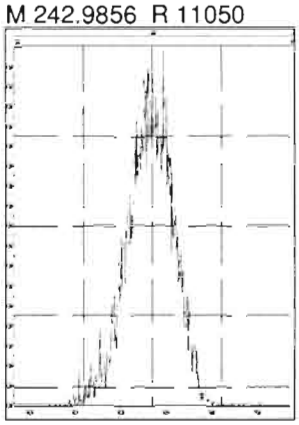

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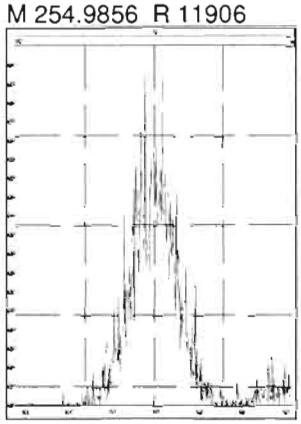

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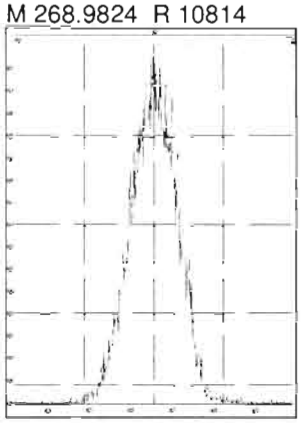

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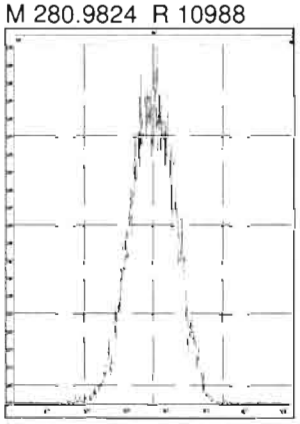

Vista Analytical Laboratory

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Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

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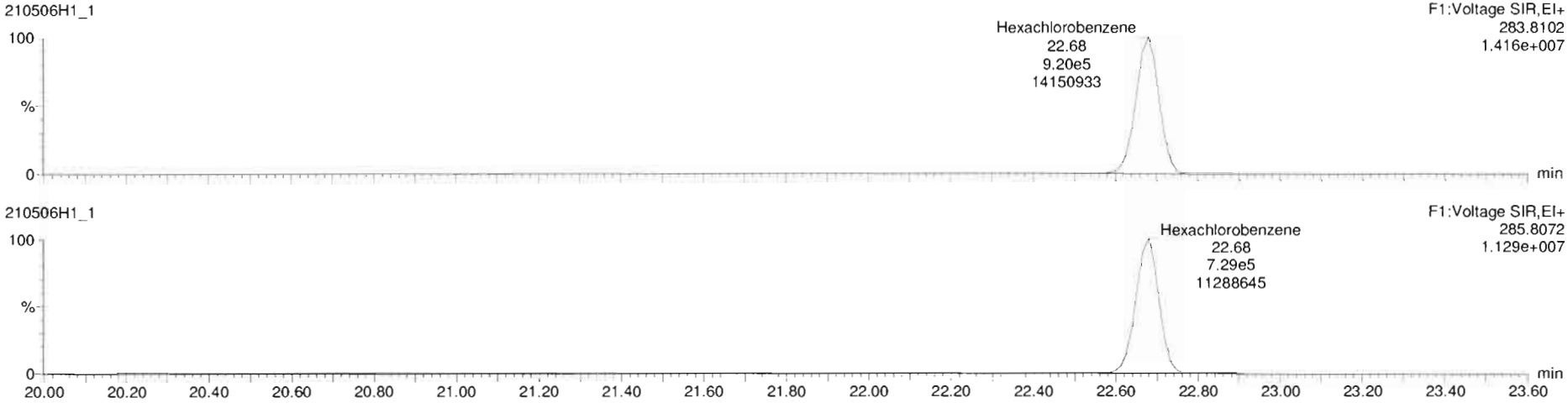
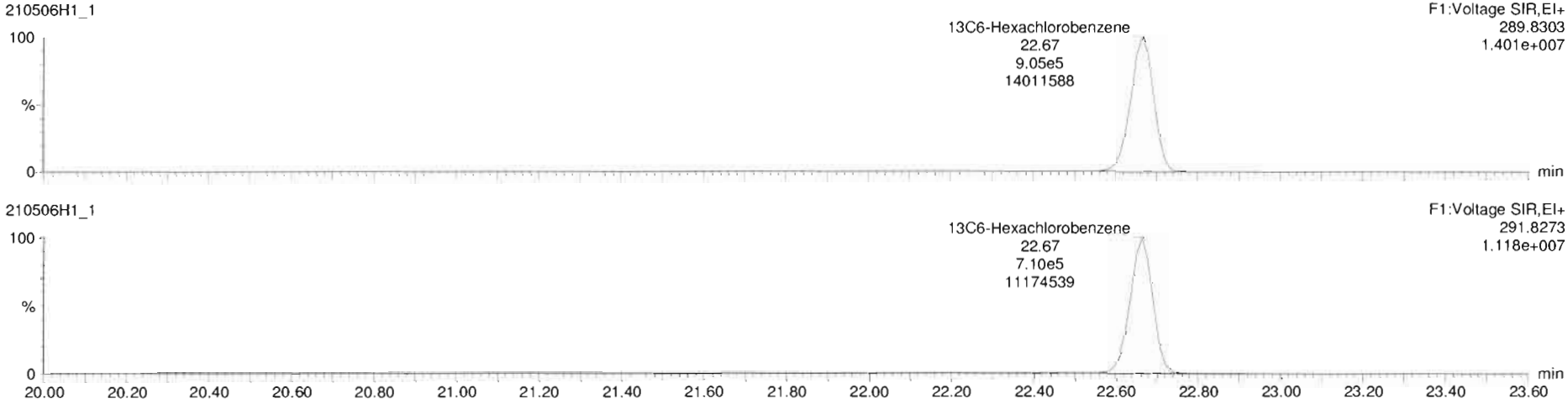
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210506H1_1, Date: 06-May-2021, Time: 09:43:17, ID: ST210506H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

Hexachlorobenzene



13C6-Hexachlorobenzene



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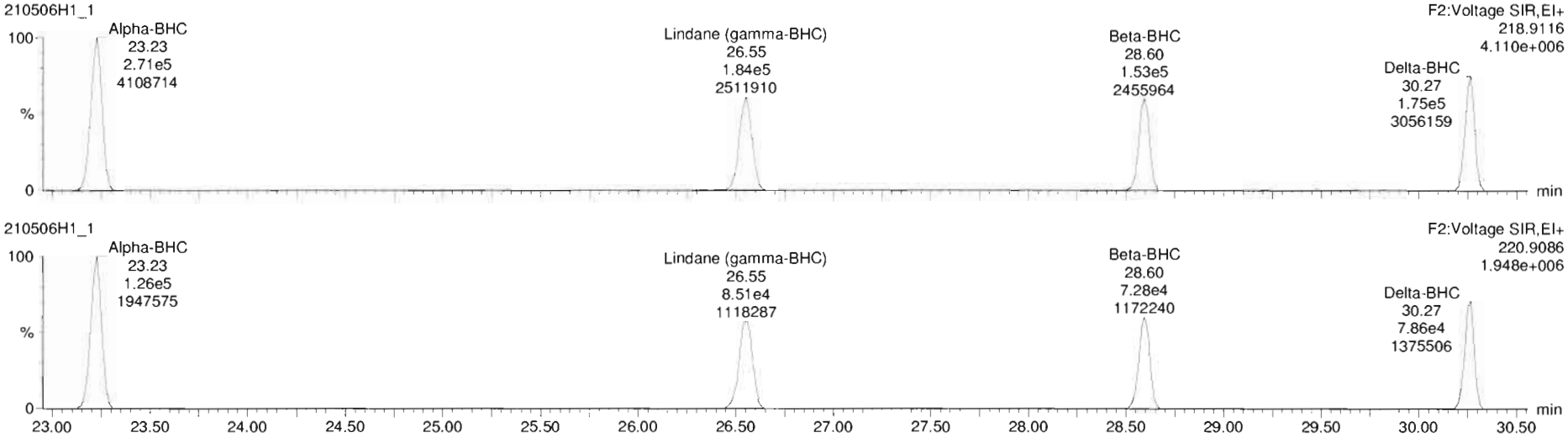
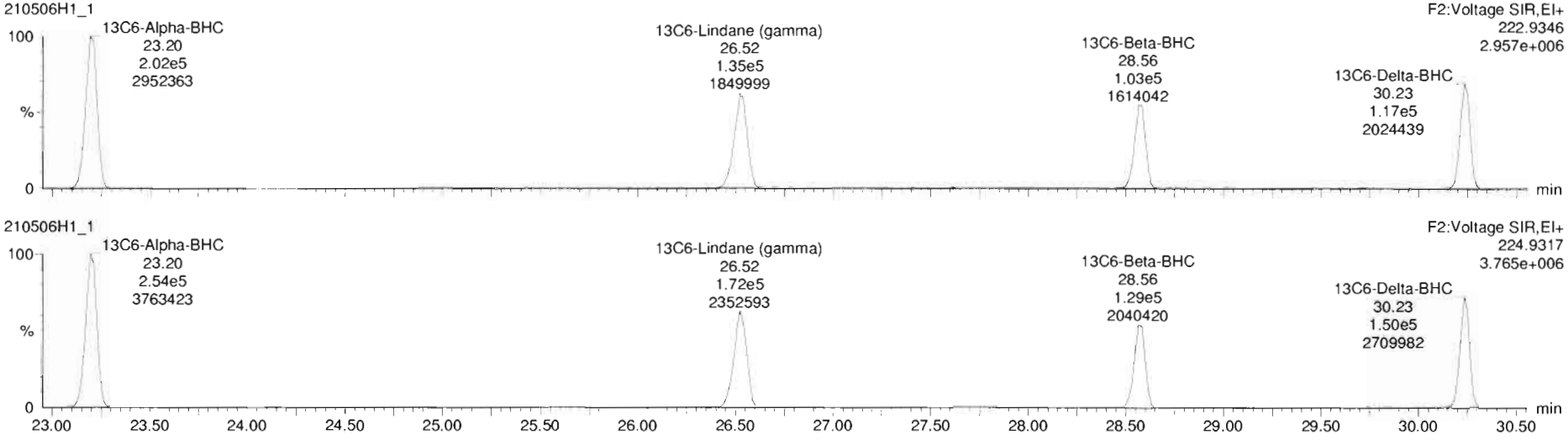
Name: 210506H1_1, Date: 06-May-2021, Time: 09:43:17, ID: ST210506H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

BHC Totals



BHC-isotopes



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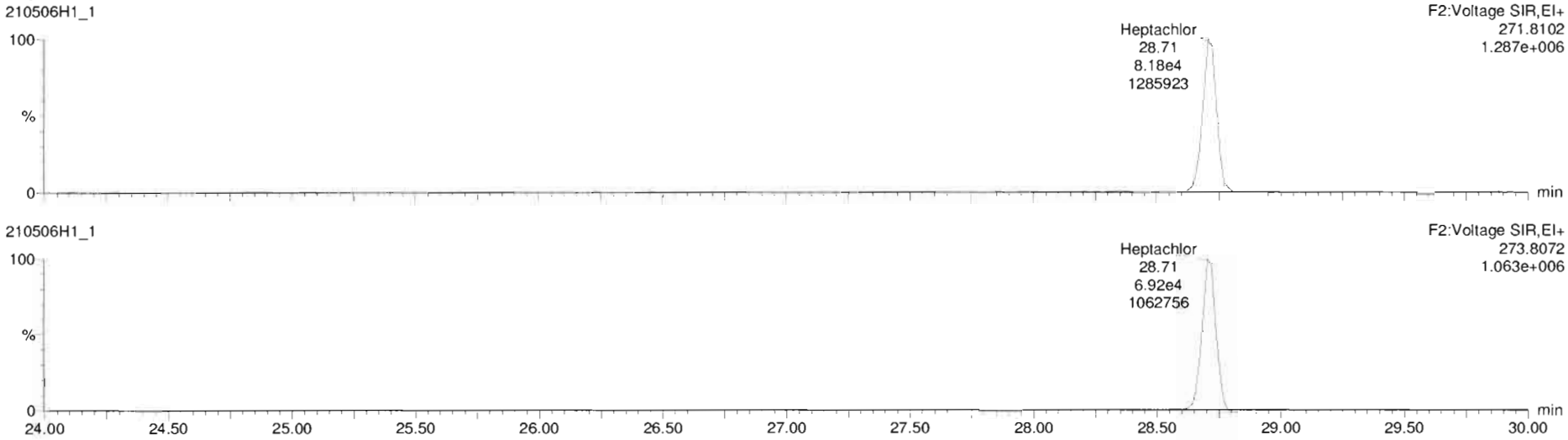
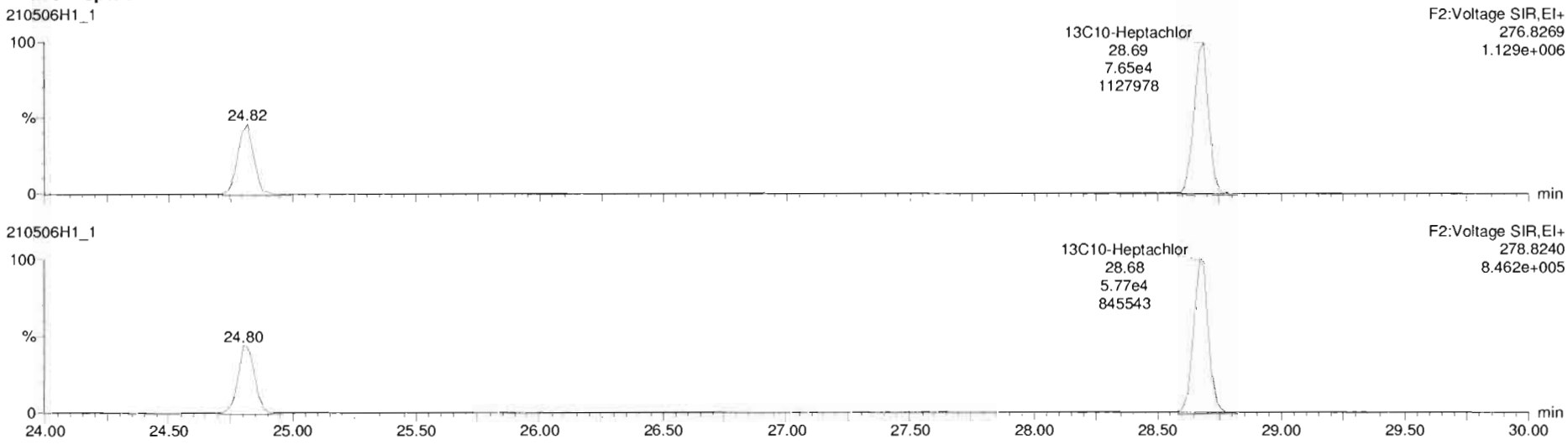
Heptachlor



13C10-Heptachlor



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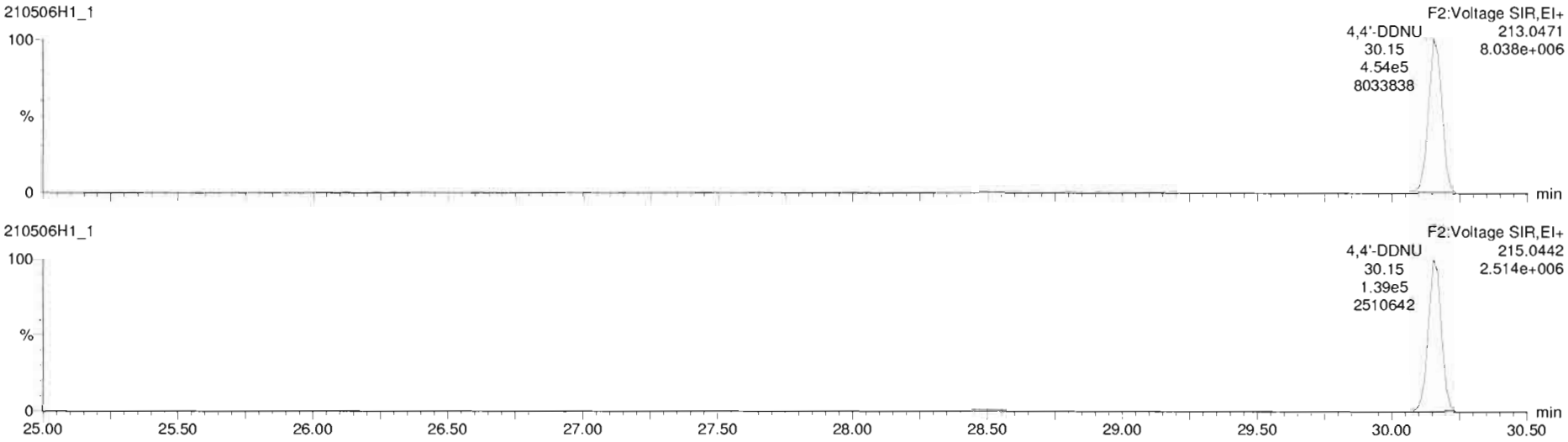
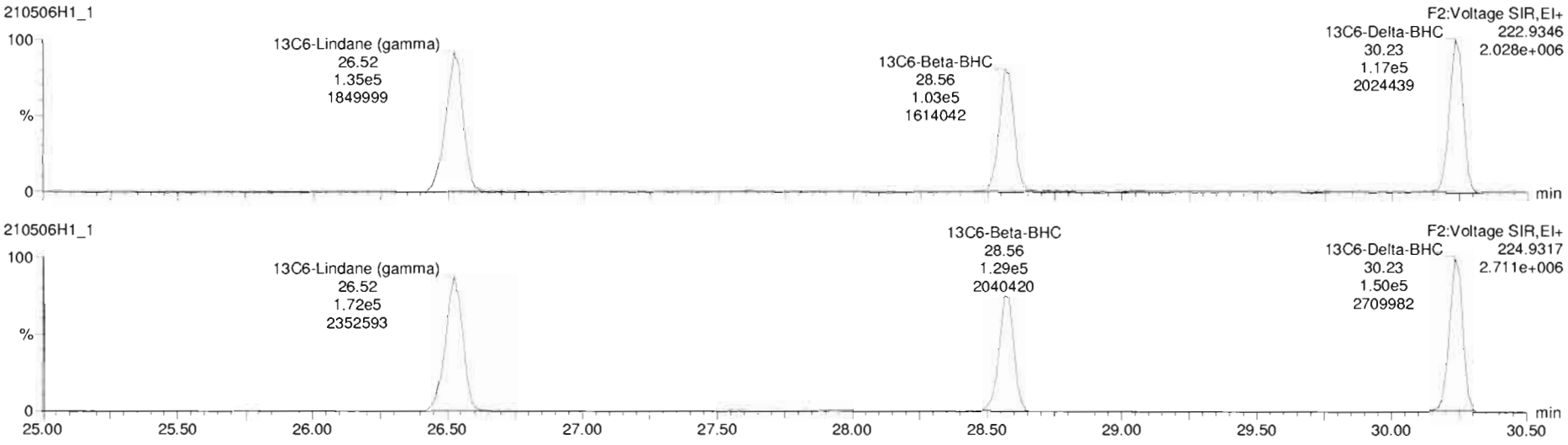
Name: 210506H1_1, Date: 06-May-2021, Time: 09:43:17, ID: ST210506H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

4,4'-DDNU



13C6-Delta-BHC



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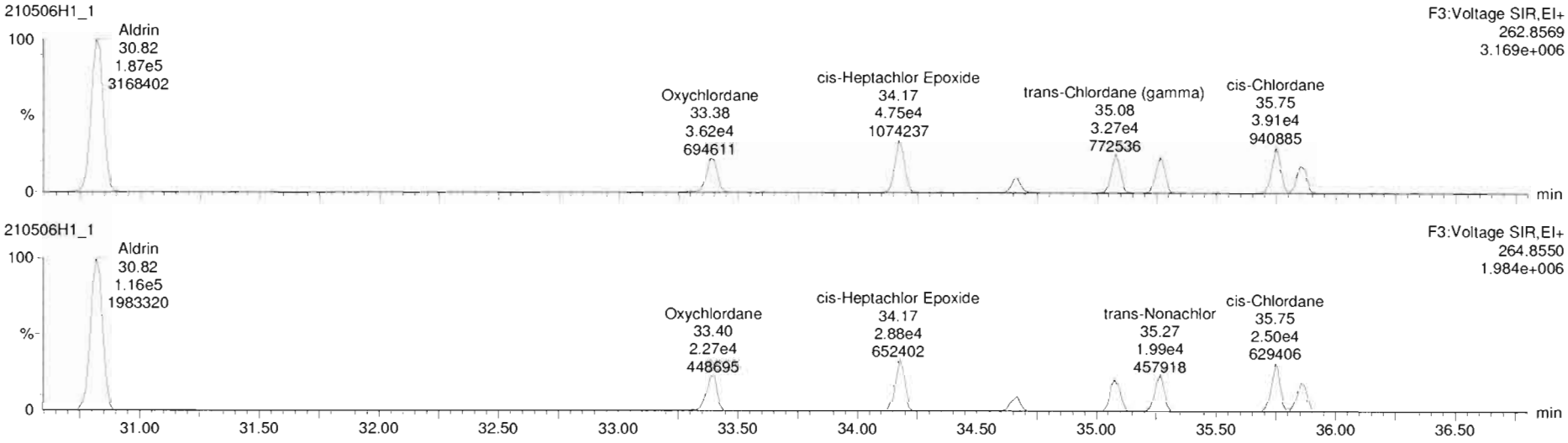
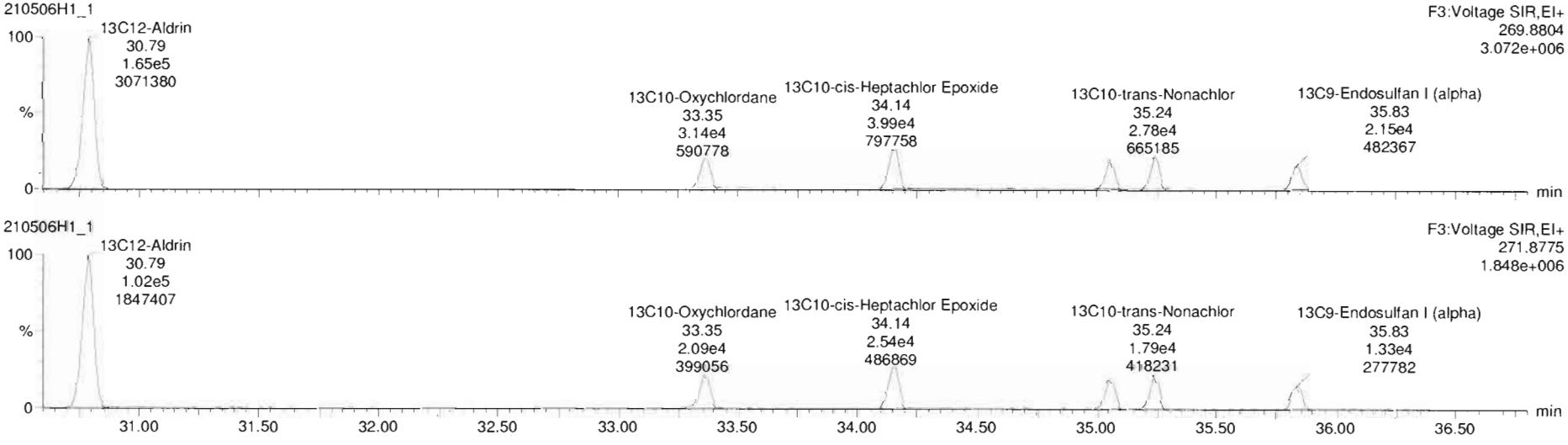
Name: 210506H1_1, Date: 06-May-2021, Time: 09:43:17, ID: ST210506H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

Aldrin-EI



Aldrin-EI-isotopes



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Last Altered: Thursday, May 06, 2021 3:23:45 PM Pacific Daylight Time
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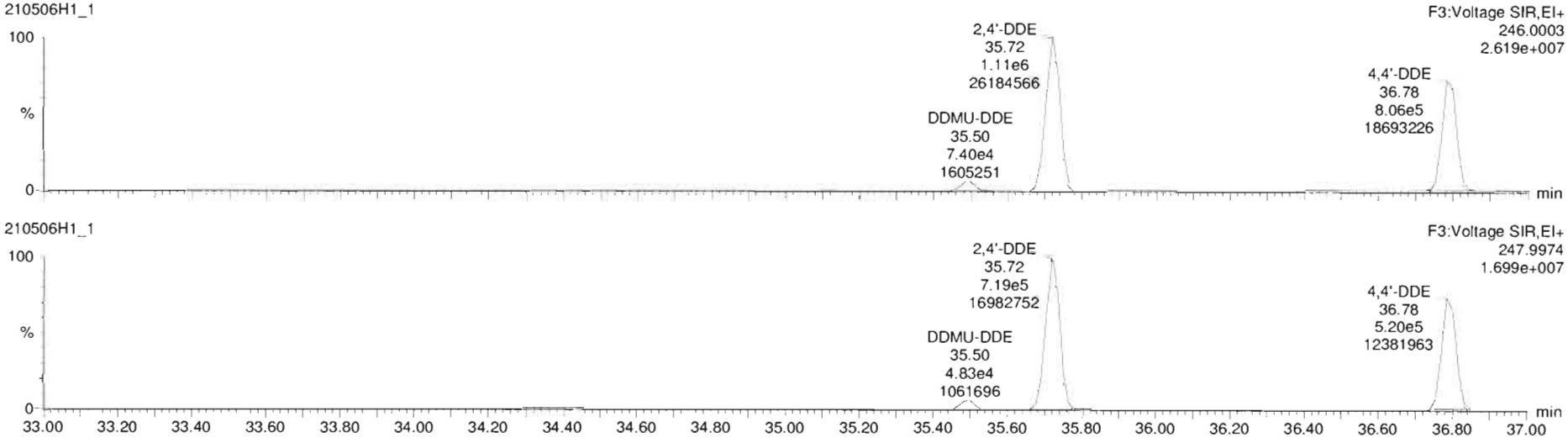
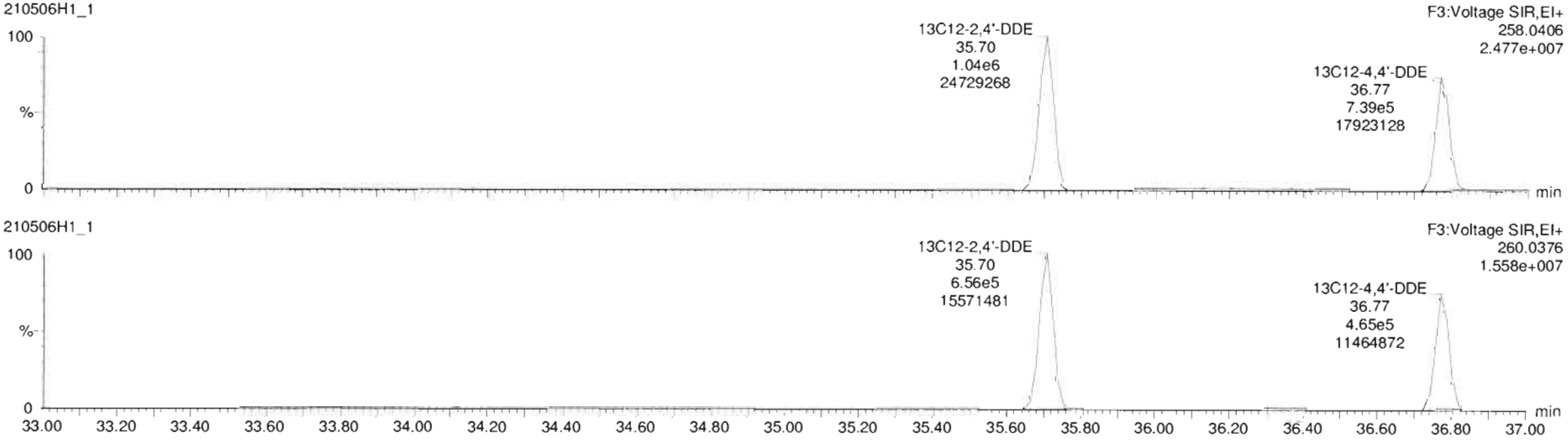
Name: 210506H1_1, Date: 06-May-2021, Time: 09:43:17, ID: ST210506H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

DDMU-DDE



DDE-isotopes



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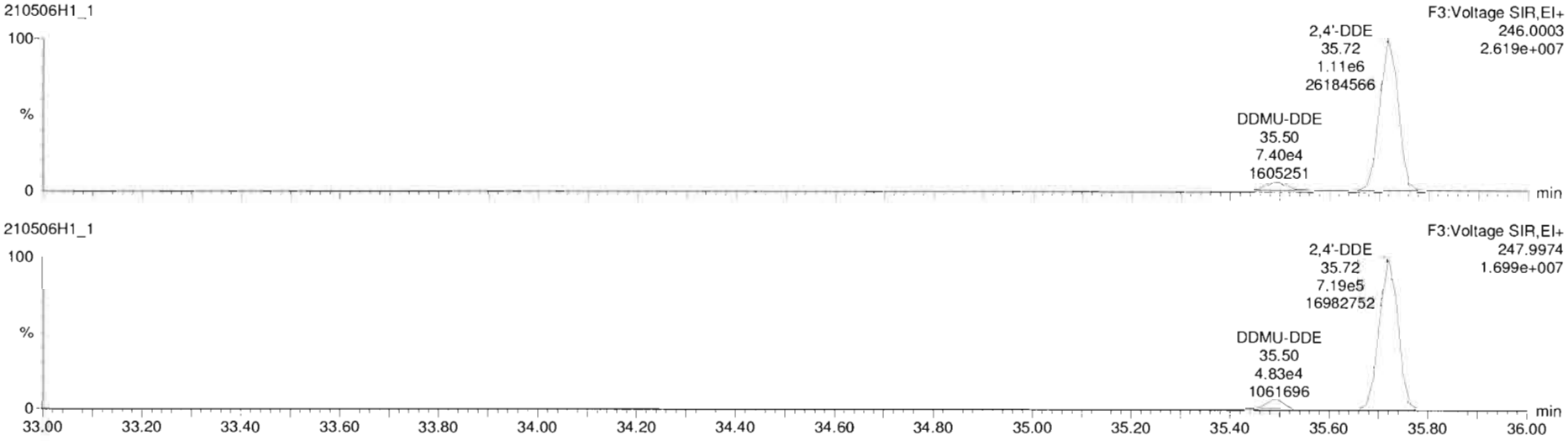
Name: 210506H1_1, Date: 06-May-2021, Time: 09:43:17, ID: ST210506H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

2,4'-DDE



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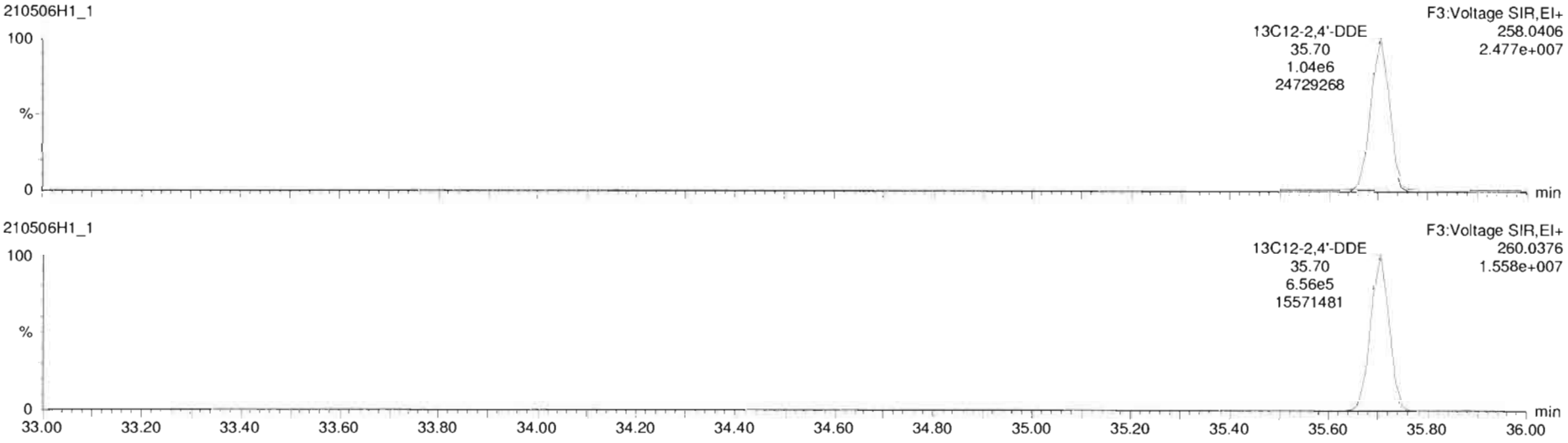

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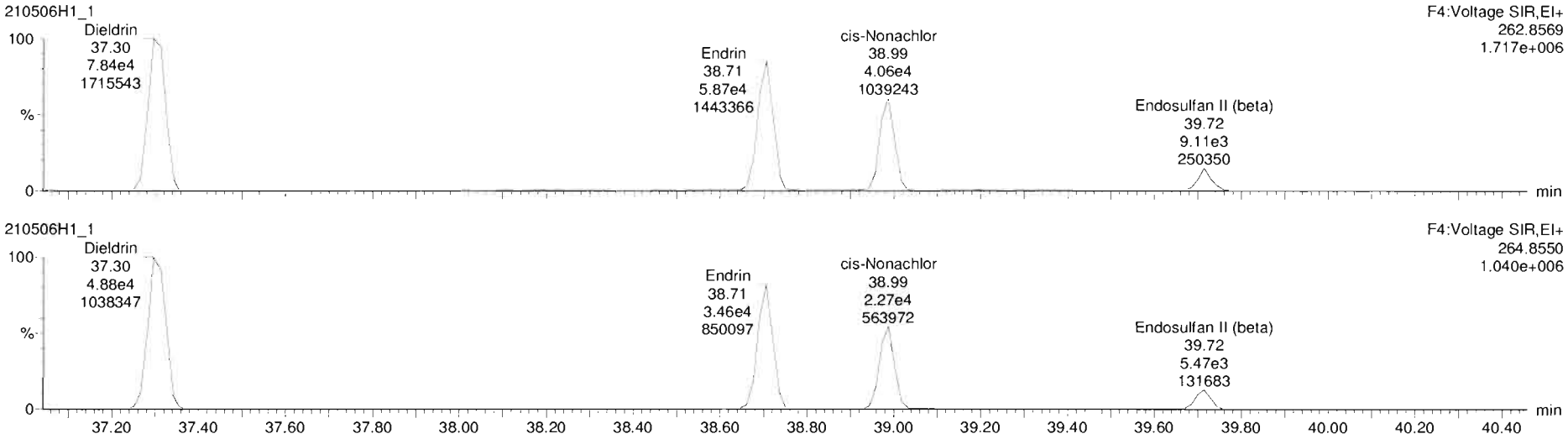
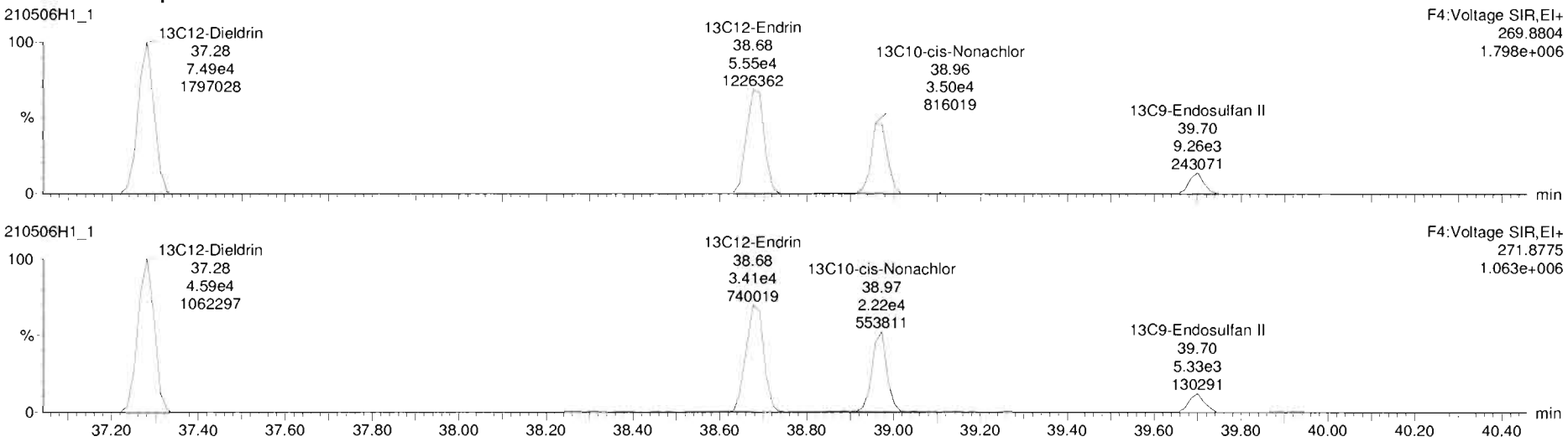
Dieldrin-EII



Dieldrin-EII-isotopes



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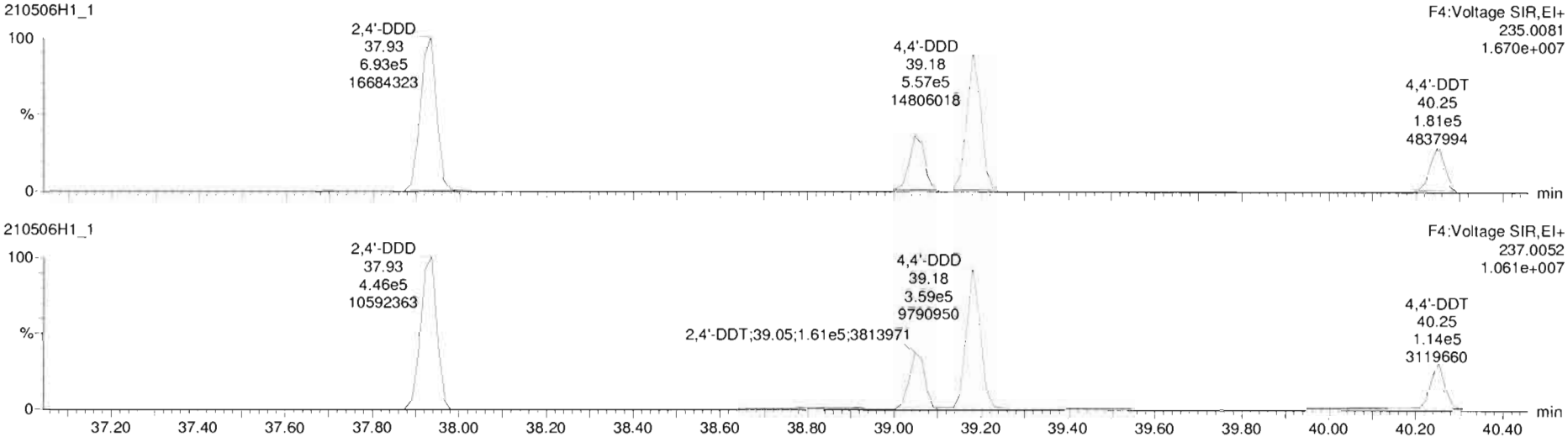
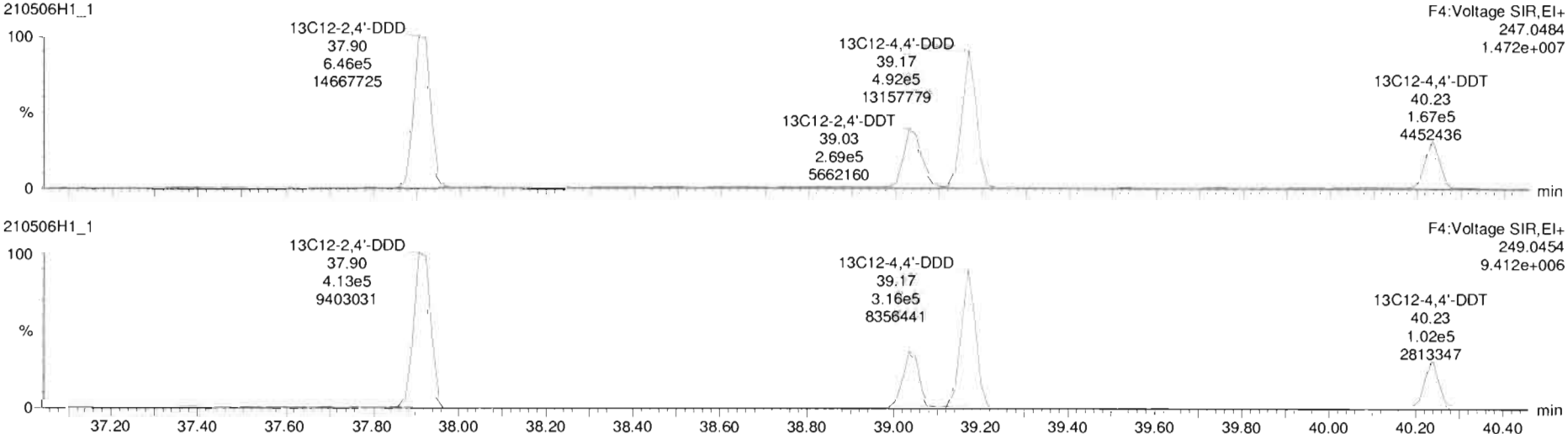
Name: 210506H1_1, Date: 06-May-2021, Time: 09:43:17, ID: ST210506H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

DDD-DDT



DDD-DDT-isotopes



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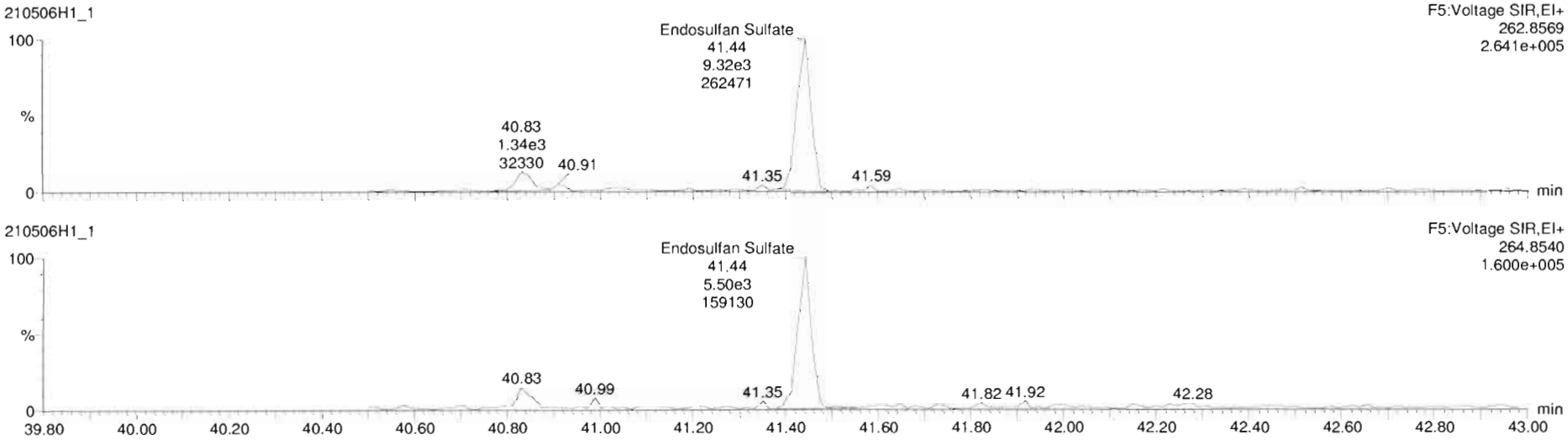
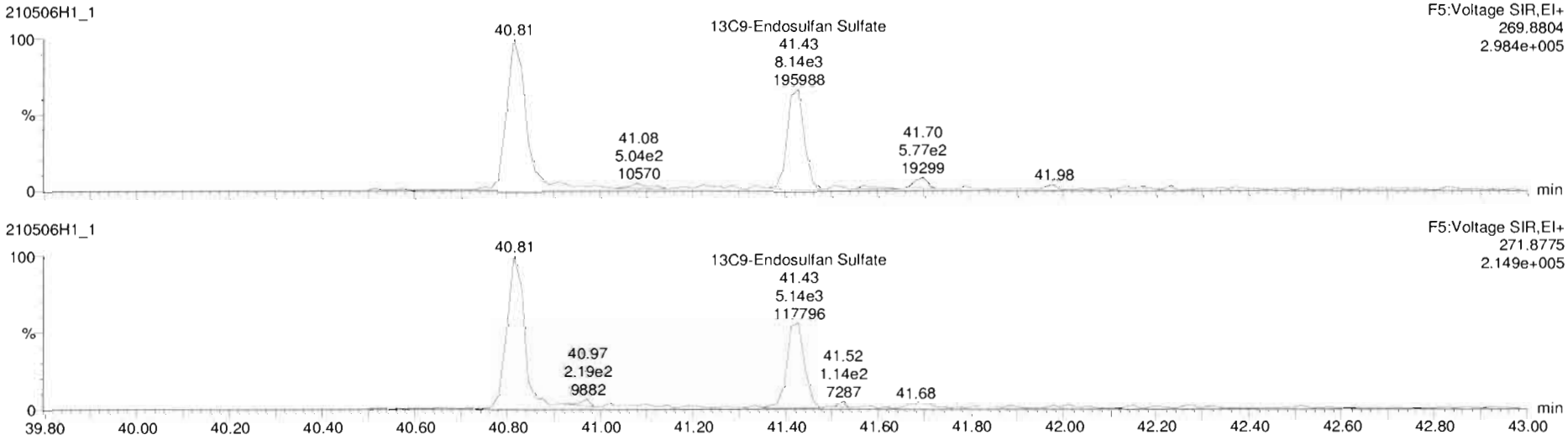
Name: 210506H1_1, Date: 06-May-2021, Time: 09:43:17, ID: ST210506H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

Endosulfan Sulfate



13C9-Endosulfan Sulfate



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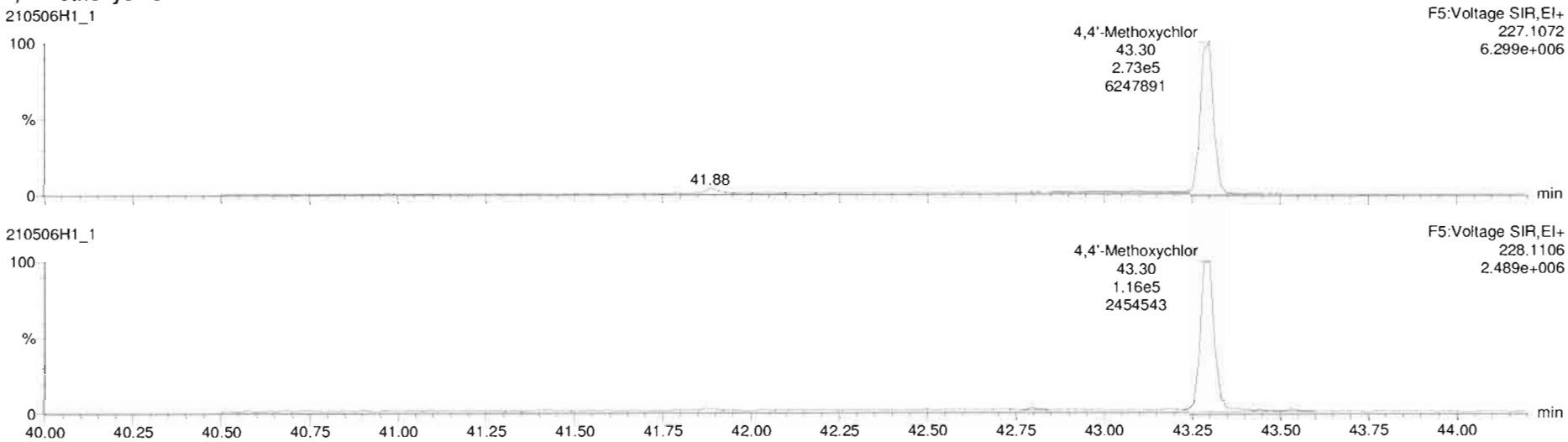
Name: 210506H1_1, Date: 06-May-2021, Time: 09:43:17, ID: ST210506H1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

4,4'-Methoxychlor



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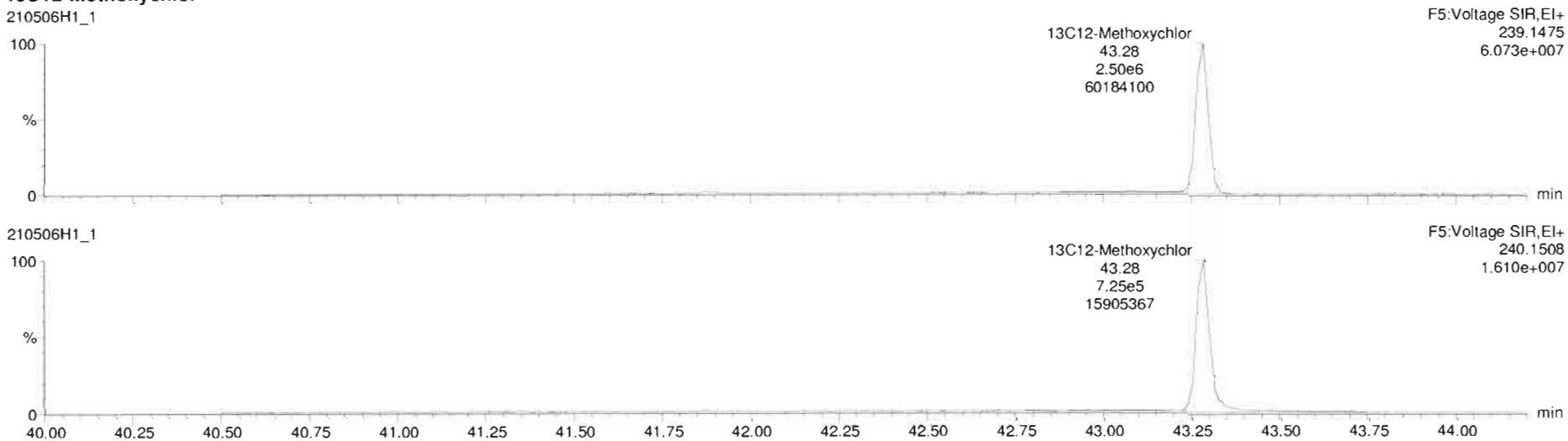

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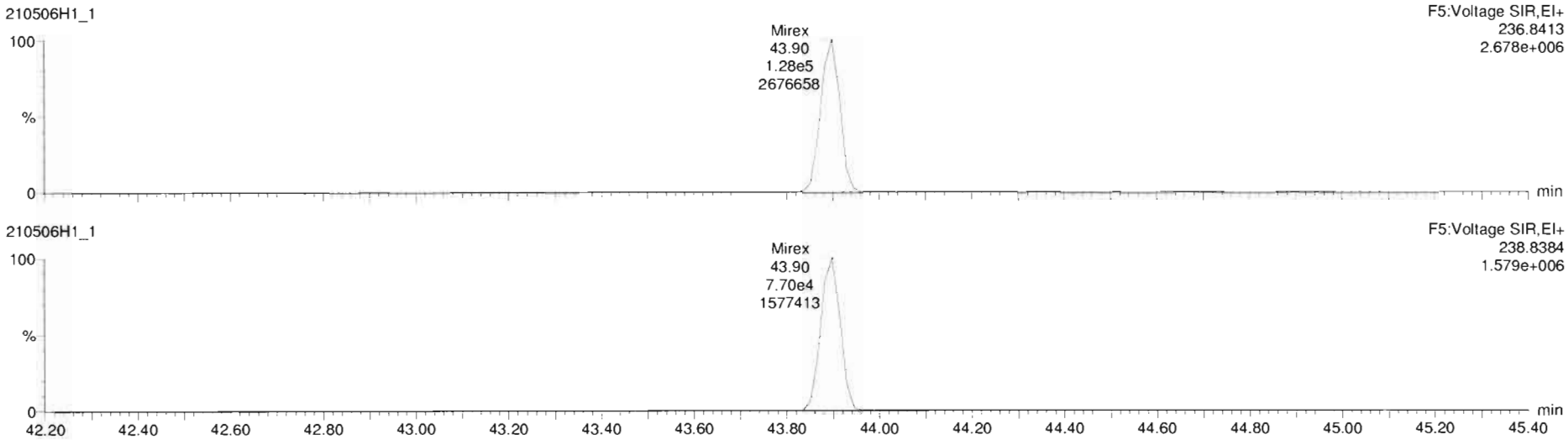
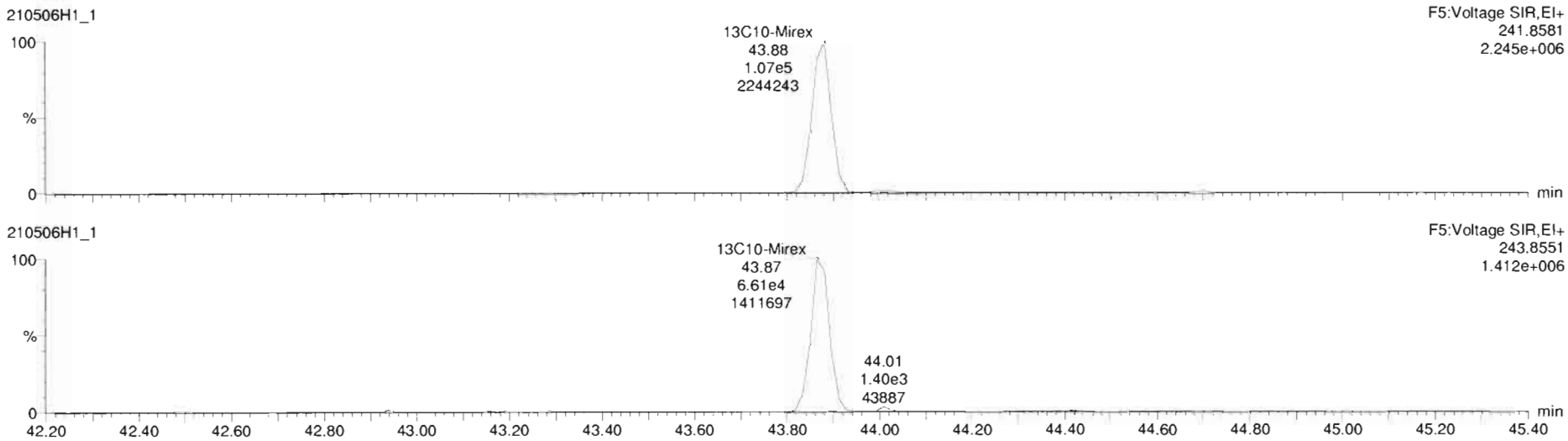
Mirex



13C10-Mirex



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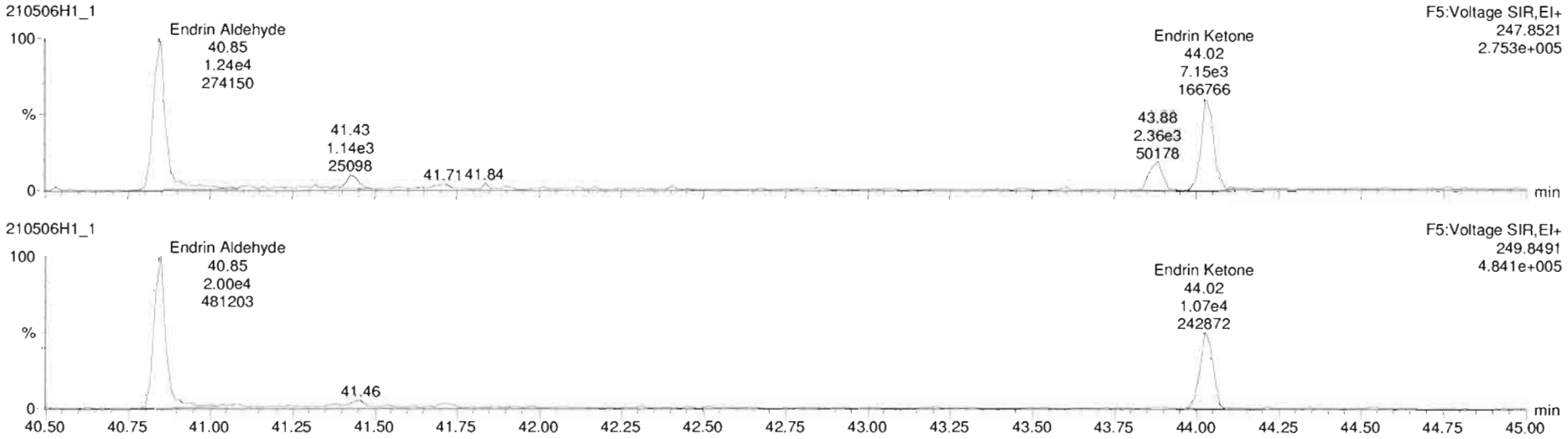
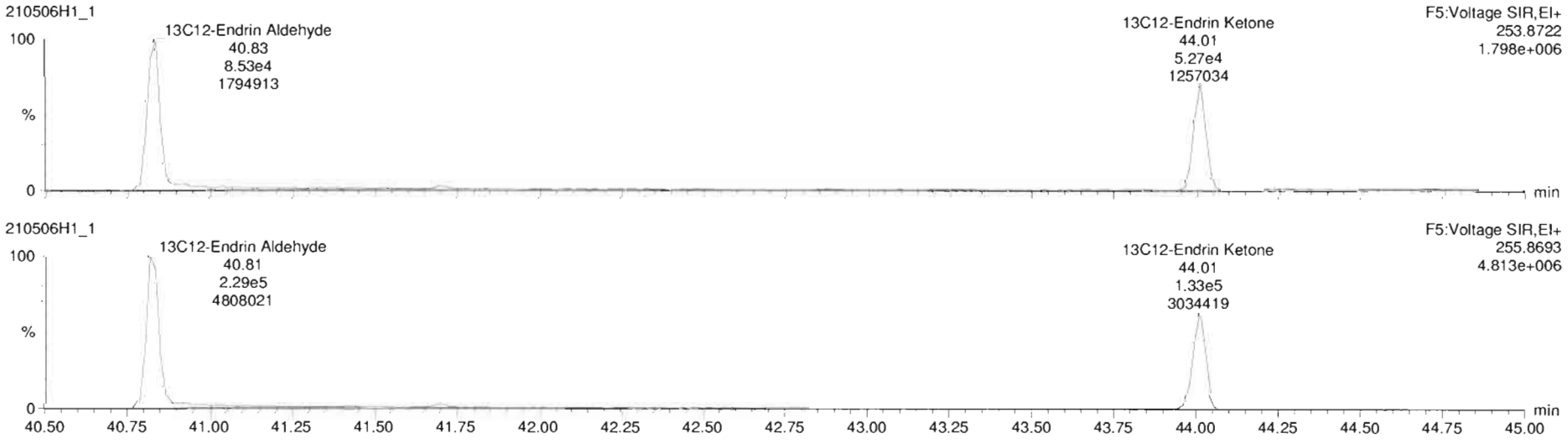
EA-EK



EA-EK-isotopes



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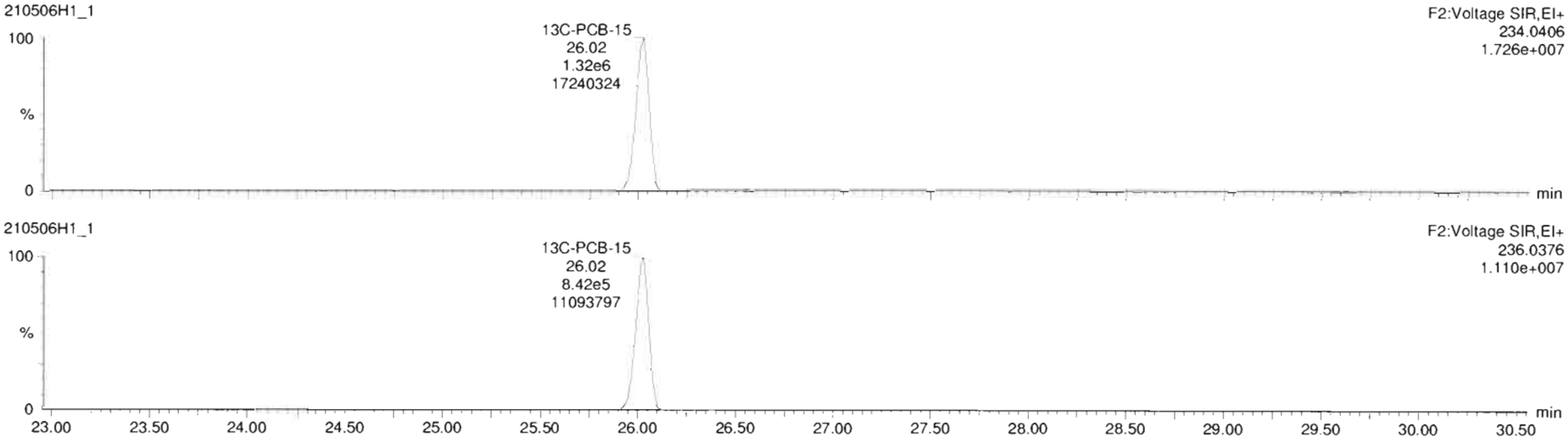
13C-PCB-15



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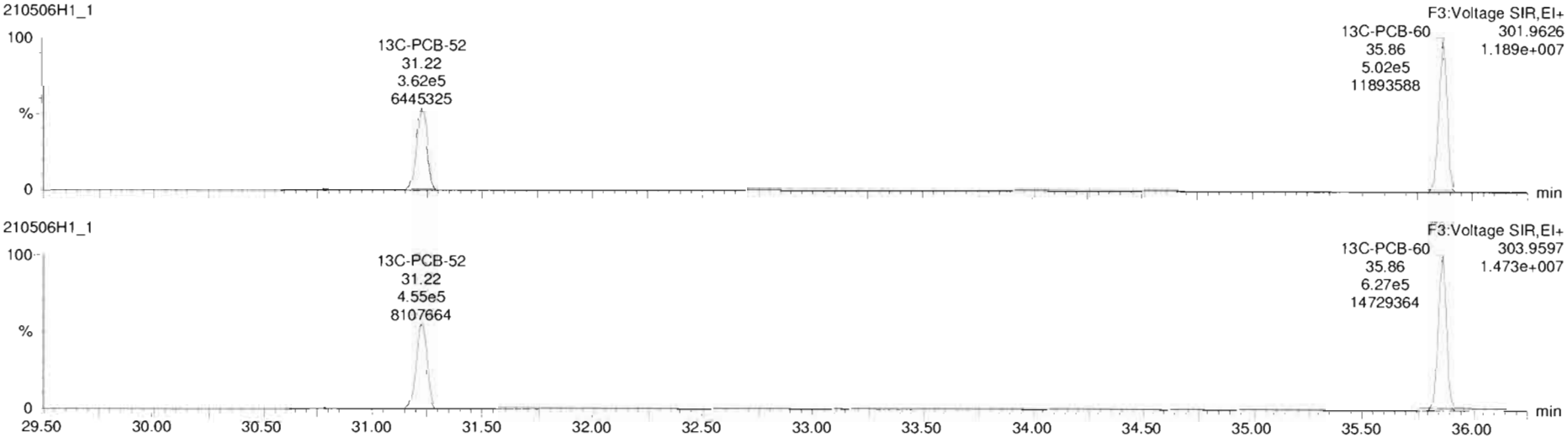

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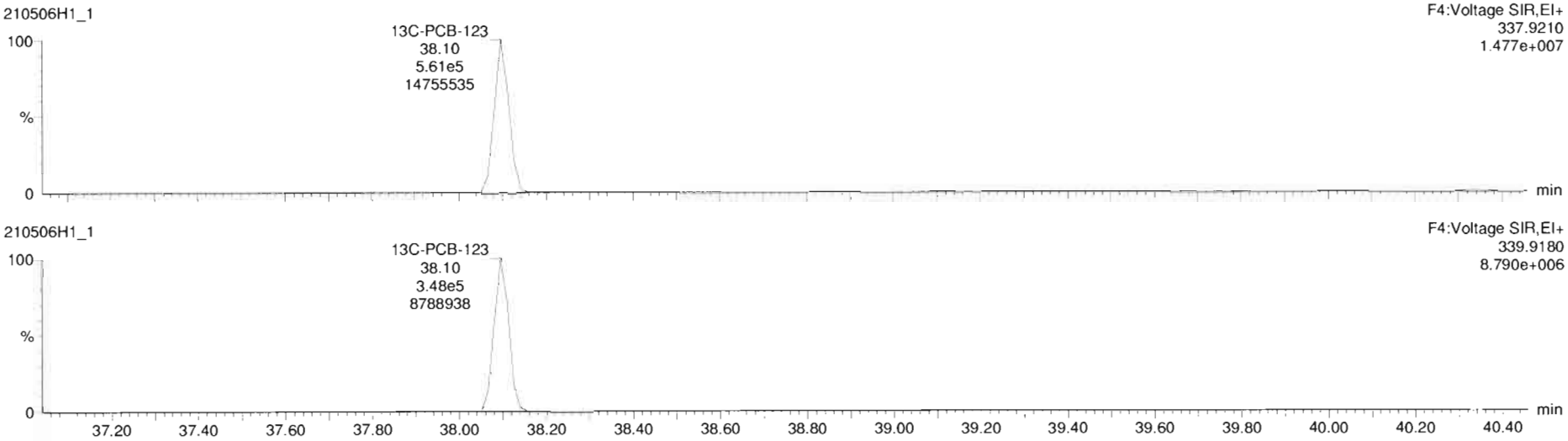

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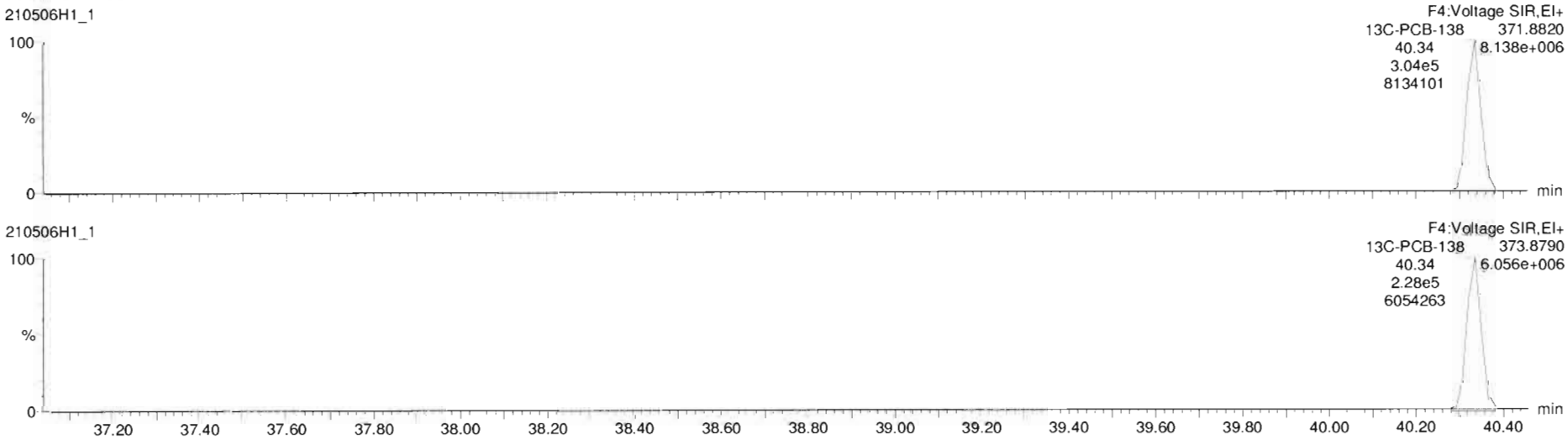

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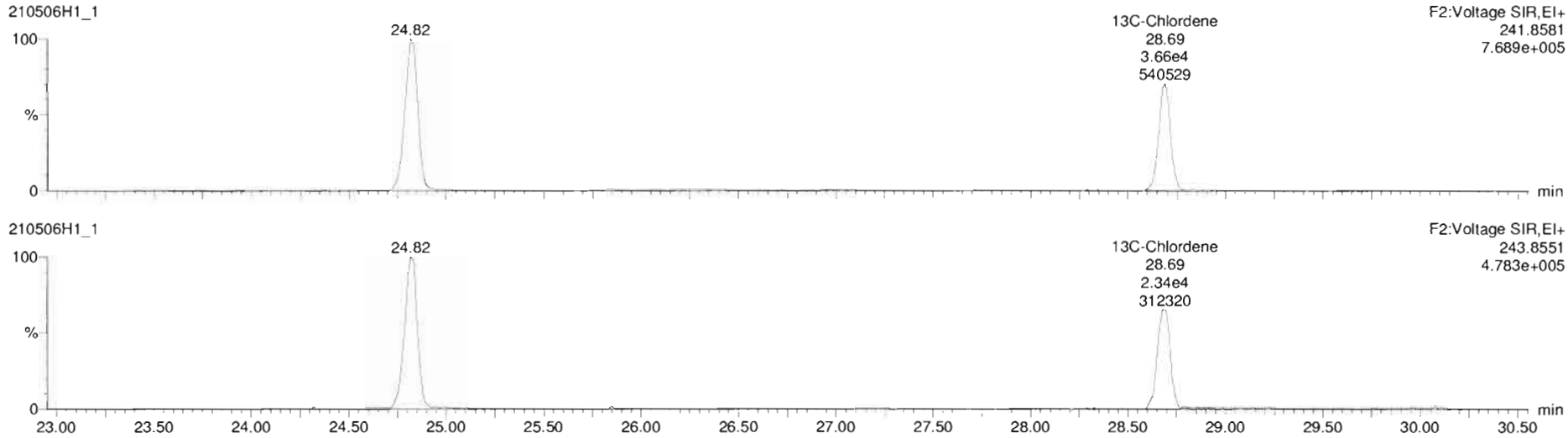
13C-Chlordene



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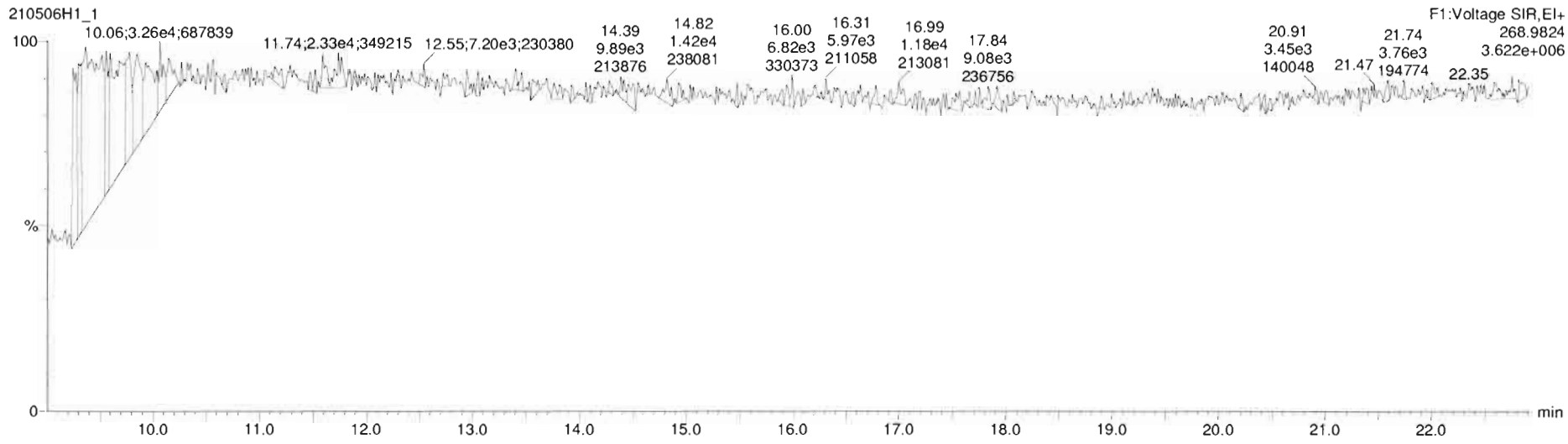

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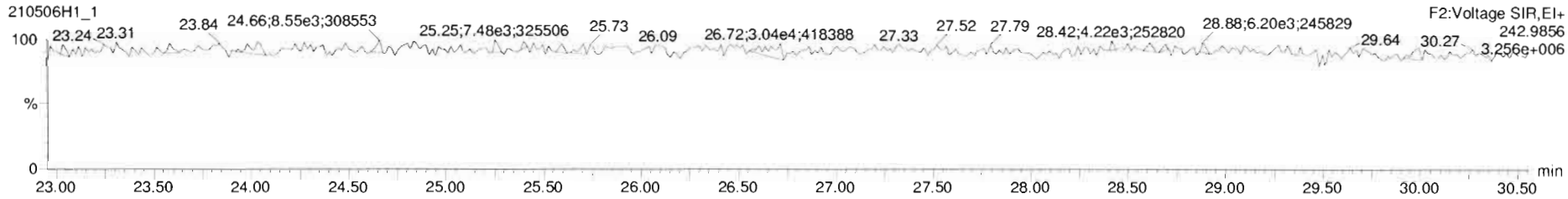
PFK2



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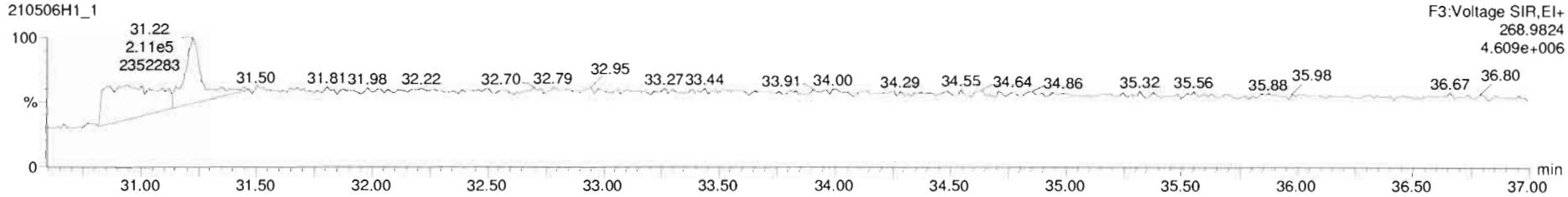
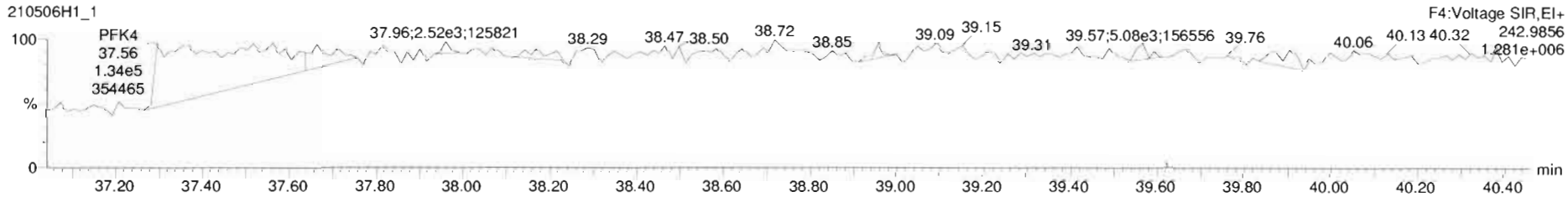
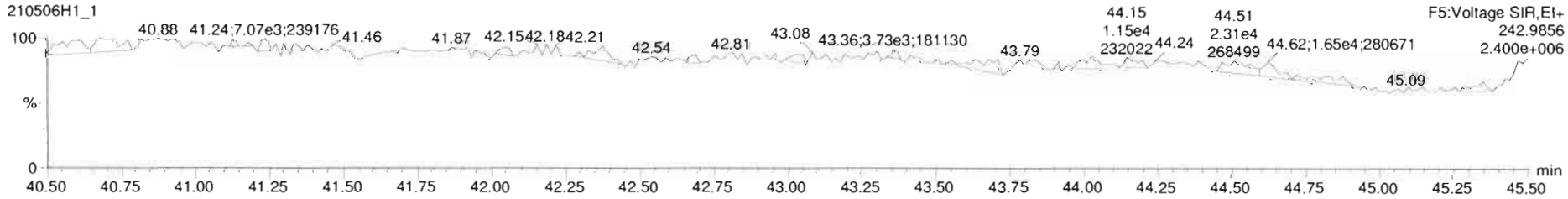


PFK4



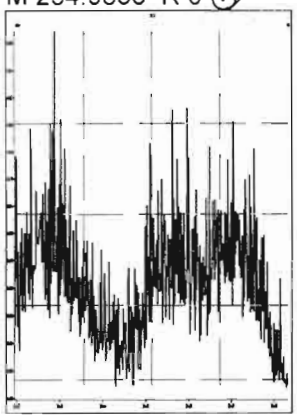
PFK5



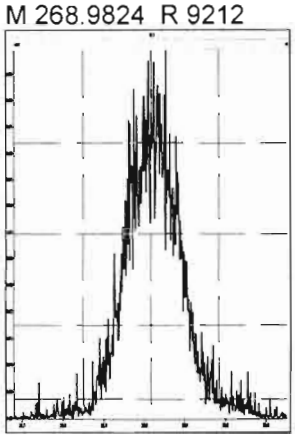
Printed: Thursday, May 06, 2021 16:17:41 Pacific Daylight Time

B Column bleed

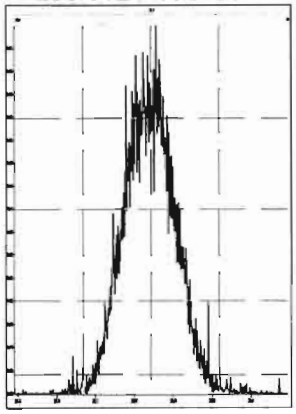
M 254.9856 R 0 (B)



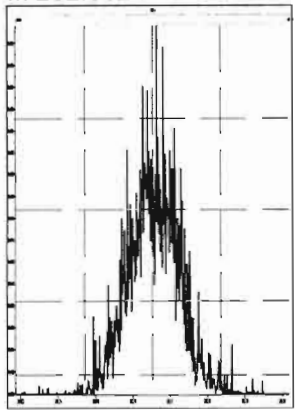
M 268.9824 R 9212



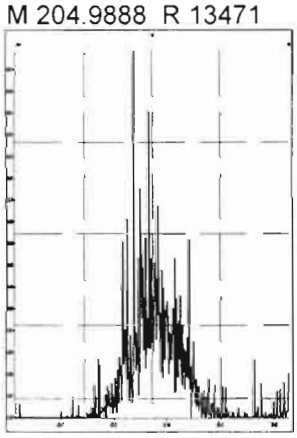
M 280.9824 R 9926



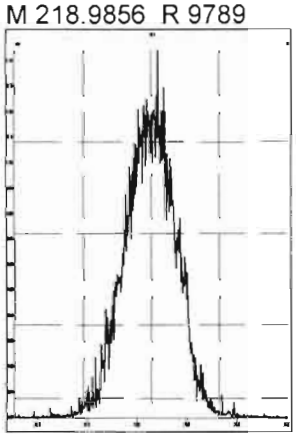
M 292.9824 R 10903



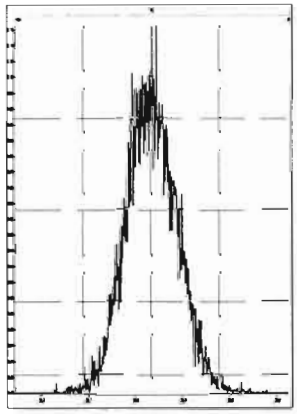
M 204.9888 R 13471



M 218.9856 R 9789



M 230.9856 R 9732



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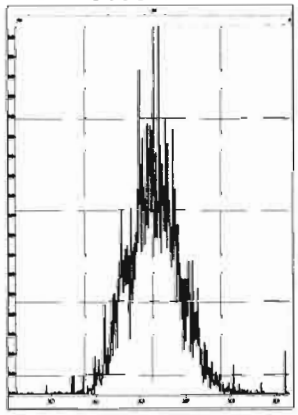
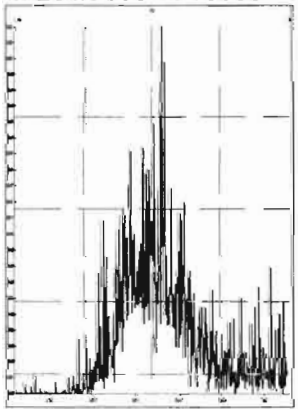
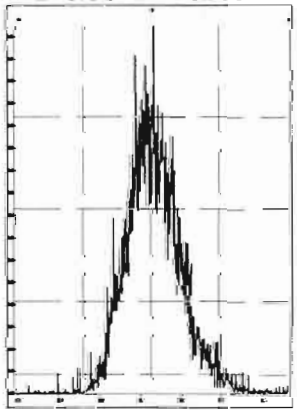


M 254.9856 R 10530



M 268.9824 R 9259



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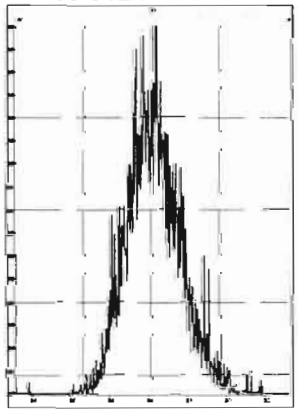

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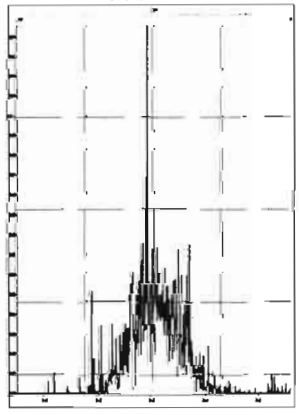
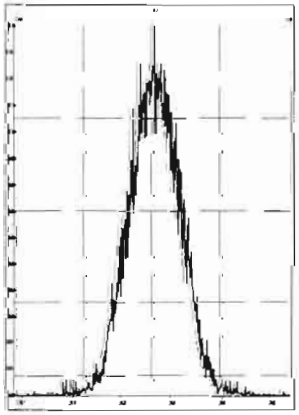
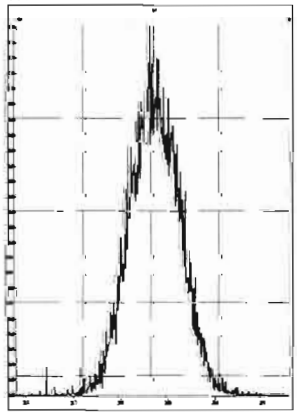


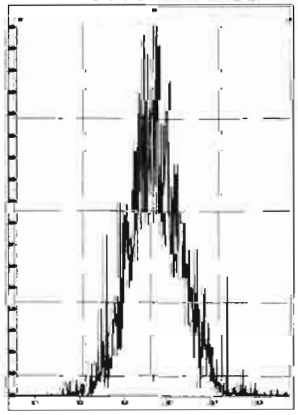
M 218.9856 R 10284



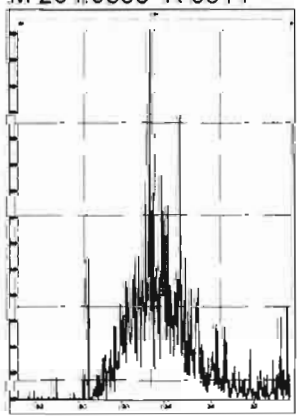
M 230.9856 R 9952



M 242.9856 R 11236



M 254.9856 R 9314



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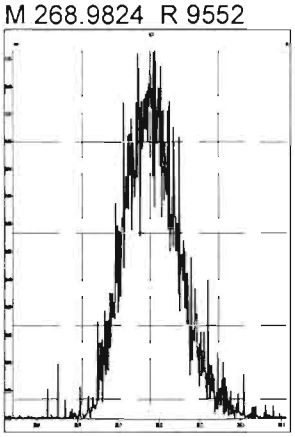
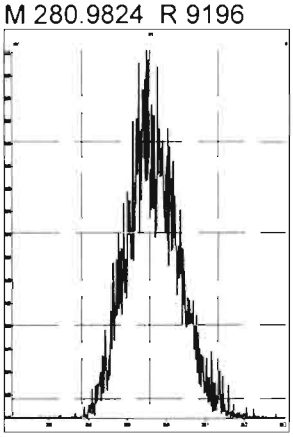
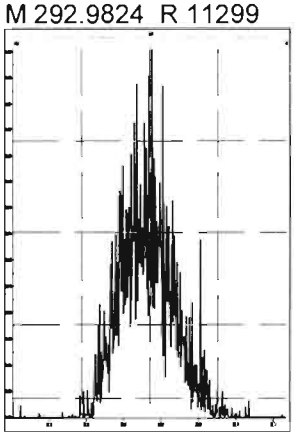


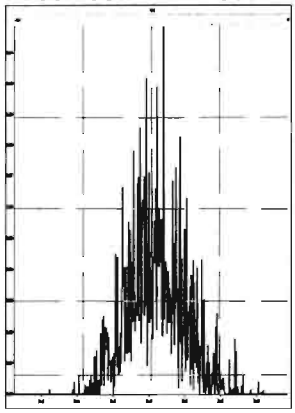
M 280.9824 R 9196



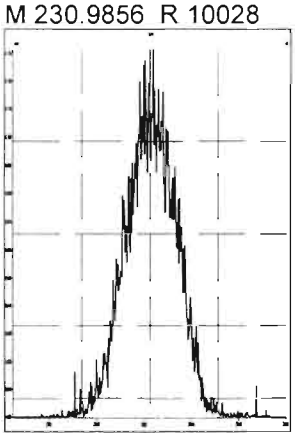
M 292.9824 R 11299



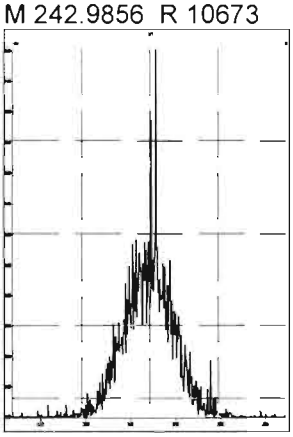
M 304.9824 R 14609



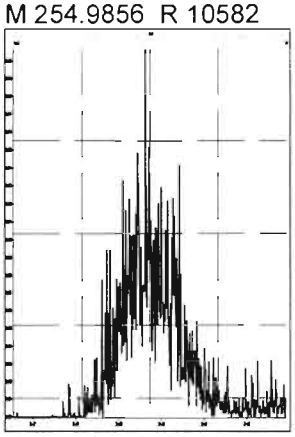
M 230.9856 R 10028



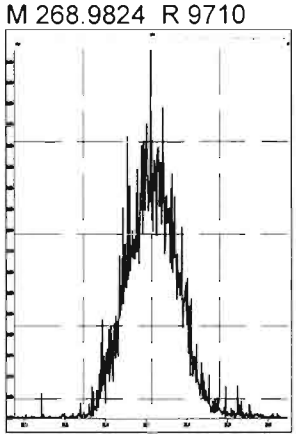
M 242.9856 R 10673



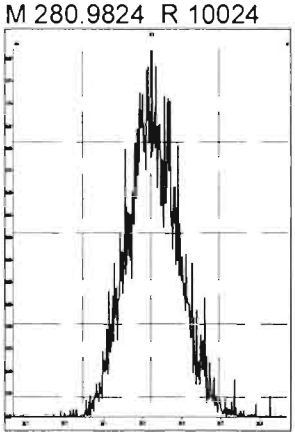
M 254.9856 R 10582



M 268.9824 R 9710



M 280.9824 R 10024



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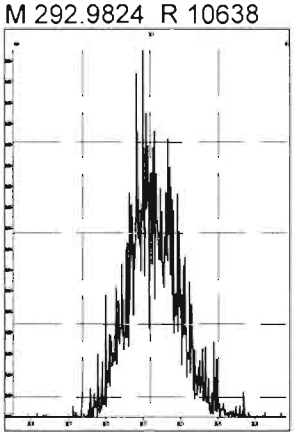
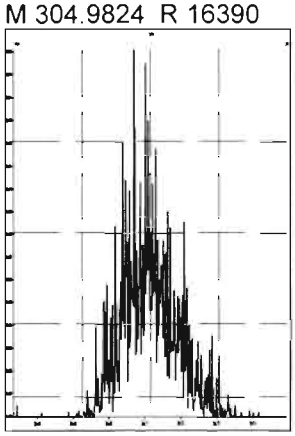
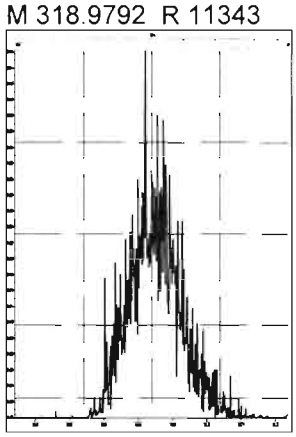


M 304.9824 R 16390



M 318.9792 R 11343



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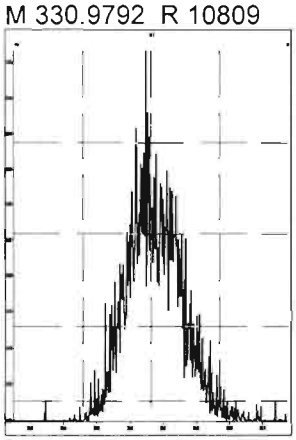
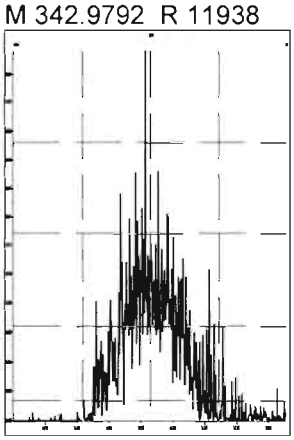
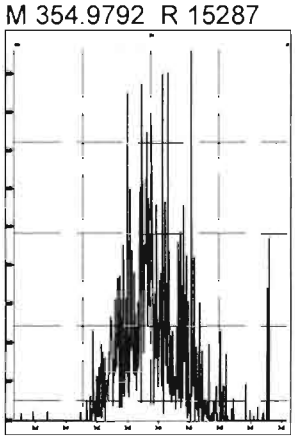


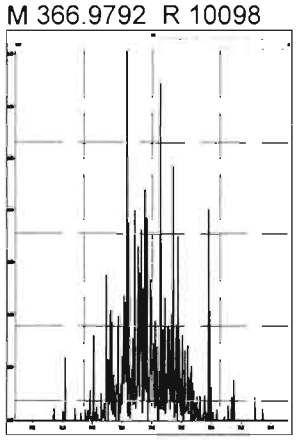
M 342.9792 R 11938



M 354.9792 R 15287



M 366.9792 R 10098



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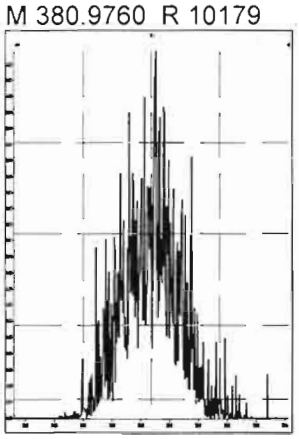
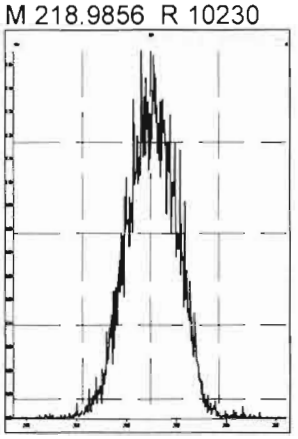
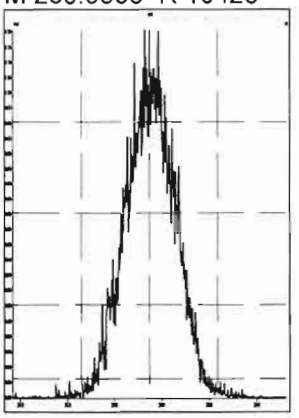
M 380.9760 R 10179



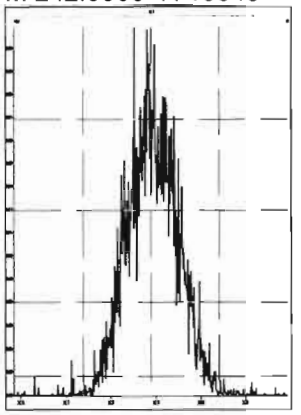
M 218.9856 R 10230



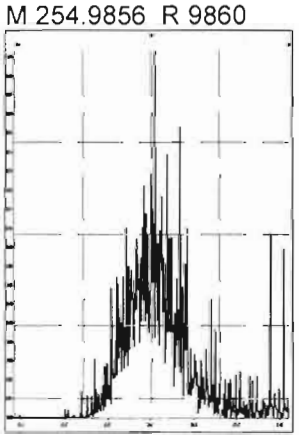
M 230.9856 R 10426



M 242.9856 R 10640



M 254.9856 R 9860



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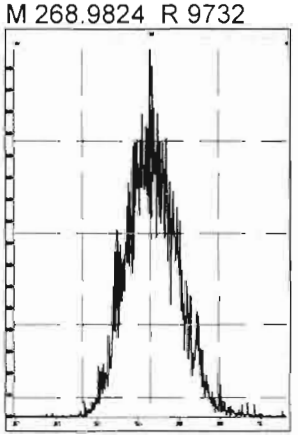

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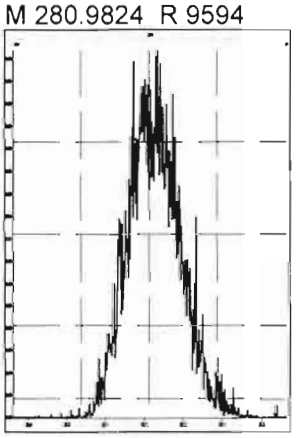

INITIAL CALIBRATION

Quantify Compound Summary Report **MassLynx 4.1**
Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\210319D1\210319D1-CRV.qld

Last Altered: Monday, March 22, 2021 14:48:34 Pacific Daylight Time
Printed: Monday, March 22, 2021 15:02:33 Pacific Daylight Time

HL 3.22.2021
HN 03/23/21

x no end res-~~ck~~ check. instrument paused & filament out.

Method: Untitled 19 Mar 2021 07:51:46
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Compound name: 2,3,7,8-TCDD
Response Factor: 0.997568
RRF SD: 0.0240356, Relative SD: 2.40942
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	210319D1_2	0.250	0.75	NO	26.13	1.001	5.26e2	2.06e5	0.256	2.5	1.02	MM
2	210319D1_3	0.500	0.70	NO	26.14	1.001	1.11e3	2.23e5	0.500	-0.1	0.997	MM
3	210319D1_4	2.00	0.85	NO	26.13	1.001	4.44e3	2.30e5	1.94	-3.2	0.965	bb
4	210319D1_5	10.0	0.79	NO	26.13	1.001	2.32e4	2.37e5	9.81	-1.9	0.979	db
5	210319D1_6	40.0	0.78	NO	26.13	1.001	1.04e5	2.54e5	41.2	2.9	1.03	bb
6	210319D1_7	300	0.79	NO	26.13	1.001	6.96e5	2.33e5	299	-0.3	0.995	bb

Compound name: 1,2,3,7,8-PeCDD
Response Factor: 0.961256
RRF SD: 0.0514158, Relative SD: 5.34882
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	210319D1_2	1.25	0.58	NO	30.64	1.001	1.76e3	1.44e5	1.27	1.5	0.976	MM
2	210319D1_3	2.50	0.65	NO	30.64	1.001	3.44e3	1.51e5	2.36	-5.6	0.908	MM
3	210319D1_4	10.0	0.62	NO	30.64	1.001	1.49e4	1.62e5	9.59	-4.1	0.922	bb
4	210319D1_5	50.0	0.58	NO	30.64	1.001	8.32e4	1.73e5	50.0	0.0	0.962	bb
5	210319D1_6	200	0.62	NO	30.64	1.001	3.84e5	1.82e5	219	9.5	1.05	bb
6	210319D1_7	1500	0.63	NO	30.62	1.000	2.58e6	1.81e5	1480	-1.4	0.947	bb

Dataset: U:\VG7.PRO\Results\210319D1\210319D1-CRV.qld

Last Altered: Monday, March 22, 2021 14:48:34 Pacific Daylight Time
Printed: Monday, March 22, 2021 15:02:33 Pacific Daylight Time

Compound name: 1,2,3,4,7,8-HxCDD
Response Factor: 1.18432
RRF SD: 0.0714758, Relative SD: 6.03516
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	210319D1_2	1.25	1.28	NO	33.90	1.000	1.69e3	1.18e5	1.22	-2.8	1.15	MM
2	210319D1_3	2.50	1.32	NO	33.91	1.000	3.62e3	1.23e5	2.48	-0.9	1.17	dd
3	210319D1_4	10.0	1.29	NO	33.94	1.001	1.45e4	1.33e5	9.21	-7.9	1.09	dd
4	210319D1_5	50.0	1.28	NO	33.92	1.001	8.26e4	1.39e5	50.3	0.7	1.19	bd
5	210319D1_6	200	1.27	NO	33.91	1.000	4.08e5	1.56e5	221	10.5	1.31	bd
6	210319D1_7	1500	1.29	NO	33.94	1.000	2.70e6	1.52e5	1510	0.3	1.19	bd

Compound name: 1,2,3,6,7,8-HxCDD
Response Factor: 1.04038
RRF SD: 0.0428604, Relative SD: 4.11969
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	210319D1_2	1.25	1.25	NO	34.02	1.000	1.73e3	1.32e5	1.26	0.9	1.05	MM
2	210319D1_3	2.50	1.25	NO	34.05	1.001	3.60e3	1.39e5	2.49	-0.5	1.04	db
3	210319D1_4	10.0	1.28	NO	34.05	1.000	1.49e4	1.49e5	9.59	-4.1	0.997	db
4	210319D1_5	50.0	1.28	NO	34.06	1.000	8.15e4	1.58e5	49.5	-1.1	1.03	db
5	210319D1_6	200	1.28	NO	34.03	1.000	3.87e5	1.73e5	215	7.6	1.12	db
6	210319D1_7	1500	1.24	NO	34.06	1.001	2.59e6	1.71e5	1460	-2.8	1.01	db

Compound name: 1,2,3,7,8,9-HxCDD
Response Factor: 1.05925
RRF SD: 0.0502253, Relative SD: 4.74157
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	210319D1_2	1.25	1.36	NO	34.30	1.000	1.71e3	1.29e5	1.25	-0.2	1.06	MM
2	210319D1_3	2.50	1.31	NO	34.33	1.000	3.57e3	1.38e5	2.44	-2.5	1.03	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	210319D1_4	10.0	1.28	NO	34.33	1.001	1.51e4	1.49e5	9.57	-4.3	1.01	bb
4	210319D1_5	50.0	1.29	NO	34.33	1.001	8.35e4	1.60e5	49.3	-1.3	1.04	bb
5	210319D1_6	200	1.25	NO	34.32	1.000	4.05e5	1.75e5	218	9.2	1.16	bb
6	210319D1_7	1500	1.27	NO	34.33	1.000	2.80e6	1.78e5	1490	-0.9	1.05	bb

Compound name: 1,2,3,4,6,7,8-HpCDD
Response Factor: 1.06019
RRF SD: 0.089124, Relative SD: 8.40645
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	210319D1_2	1.25	1.02	NO	37.86	1.001	1.46e3	1.03e5	1.33	6.5	1.13	bb
2	210319D1_3	2.50	1.09	NO	37.89	1.000	3.04e3	1.14e5	2.51	0.4	1.06	bb
3	210319D1_4	10.0	1.05	NO	37.85	1.000	1.28e4	1.21e5	9.96	-0.4	1.06	bd
4	210319D1_5	50.0	1.06	NO	37.82	1.000	7.08e4	1.31e5	51.0	1.9	1.08	bb
5	210319D1_6	200	1.05	NO	37.81	1.001	3.49e5	1.49e5	221	10.5	1.17	bb
6	210319D1_7	1500	1.05	NO	37.84	1.000	2.39e6	1.46e5	1540	2.8	1.09	bb

Compound name: OCDD
Response Factor: 0.976937
RRF SD: 0.0496276, Relative SD: 5.07992
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	210319D1_2	2.50	0.92	NO	41.15	1.000	2.10e3	1.77e5	2.43	-2.6	0.951	MM
2	210319D1_3	5.00	0.87	NO	41.16	1.000	4.79e3	1.98e5	4.95	-0.9	0.968	MM
3	210319D1_4	20.0	0.90	NO	41.12	1.000	1.99e4	2.16e5	18.9	-5.5	0.923	bd
4	210319D1_5	100	0.92	NO	41.09	1.000	1.15e5	2.34e5	100	0.3	0.980	bd
5	210319D1_6	400	0.89	NO	41.16	1.000	5.67e5	2.65e5	438	9.5	1.07	bb
6	210319D1_7	3000	0.90	NO	41.16	1.000	3.95e6	2.72e5	2980	-0.7	0.970	bb

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Compound name: 2,3,7,8-TCDF
Response Factor: 0.989477
RRF SD: 0.087599, Relative SD: 8.85306
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	210319D1_2	0.250	0.78	NO	25.44	1.000	8.44e2	2.95e5	0.289	15.7	1.14	MM
2	210319D1_3	0.500	0.72	NO	25.45	1.001	1.60e3	3.18e5	0.509	1.9	1.01	MM
3	210319D1_4	2.00	0.81	NO	25.44	1.001	6.49e3	3.49e5	1.88	-6.0	0.930	bb
4	210319D1_5	10.0	0.77	NO	25.45	1.001	3.15e4	3.50e5	9.10	-9.0	0.901	bb
5	210319D1_6	40.0	0.74	NO	25.45	1.001	1.46e5	3.62e5	40.9	2.2	1.01	bb
6	210319D1_7	300	0.75	NO	25.44	1.001	9.44e5	3.34e5	286	-4.7	0.943	bb

Compound name: 1,2,3,7,8-PeCDF
Response Factor: 1.02213
RRF SD: 0.0697891, Relative SD: 6.8278
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	210319D1_2	1.25	1.32	NO	29.44	1.001	2.86e3	2.32e5	1.21	-3.5	0.986	MM
2	210319D1_3	2.50	1.66	NO	29.46	1.001	5.92e3	2.44e5	2.38	-4.9	0.972	bb
3	210319D1_4	10.0	1.62	NO	29.44	1.000	2.49e4	2.60e5	9.34	-6.6	0.955	bb
4	210319D1_5	50.0	1.62	NO	29.44	1.001	1.43e5	2.68e5	52.1	4.2	1.07	bb
5	210319D1_6	200	1.63	NO	29.44	1.001	6.51e5	2.85e5	223	11.6	1.14	bb
6	210319D1_7	1500	1.58	NO	29.44	1.001	4.36e6	2.86e5	1490	-0.7	1.02	bb

Compound name: 2,3,4,7,8-PeCDF
Response Factor: 1.17385
RRF SD: 0.0588588, Relative SD: 5.01417
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	210319D1_2	1.25	1.70	NO	30.42	1.001	2.99e3	2.11e5	1.20	-3.7	1.13	MM
2	210319D1_3	2.50	1.67	NO	30.42	1.000	6.65e3	2.23e5	2.55	1.8	1.20	bb

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

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210319D1_4	10.0	1.62	NO	30.44	1.001	2.66e4	2.40e5	9.46	-5.4	1.11	bb
4	210319D1_5	50.0	1.63	NO	30.42	1.000	1.49e5	2.52e5	50.2	0.4	1.18	bb
5	210319D1_6	200	1.60	NO	30.42	1.000	7.02e5	2.75e5	217	8.7	1.28	bb
6	210319D1_7	1500	1.59	NO	30.42	1.001	4.57e6	2.64e5	1470	-1.8	1.15	bb

Compound name: 1,2,3,4,7,8-HxCDF
Response Factor: 1.13803
RRF SD: 0.0589389, Relative SD: 5.17903
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	210319D1_2	1.25	1.11	NO	33.01	1.001	2.70e3	1.92e5	1.24	-1.0	1.13	MM
2	210319D1_3	2.50	1.20	NO	33.01	1.000	5.75e3	2.02e5	2.50	-0.2	1.14	MM
3	210319D1_4	10.0	1.24	NO	33.03	1.000	2.30e4	2.13e5	9.49	-5.1	1.08	bd
4	210319D1_5	50.0	1.24	NO	33.03	1.001	1.30e5	2.23e5	51.3	2.6	1.17	bd
5	210319D1_6	200	1.23	NO	33.00	1.000	6.07e5	2.45e5	217	8.7	1.24	bd
6	210319D1_7	1500	1.23	NO	33.03	1.000	4.00e6	2.47e5	1420	-5.0	1.08	bd

Compound name: 1,2,3,6,7,8-HxCDF
Response Factor: 1.04193
RRF SD: 0.0457486, Relative SD: 4.39074
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	210319D1_2	1.25	1.34	NO	33.15	1.001	2.73e3	2.16e5	1.21	-3.2	1.01	MM
2	210319D1_3	2.50	1.26	NO	33.15	1.000	5.64e3	2.26e5	2.40	-4.0	1.00	MM
3	210319D1_4	10.0	1.24	NO	33.16	1.000	2.45e4	2.41e5	9.76	-2.4	1.02	db
4	210319D1_5	50.0	1.22	NO	33.16	1.000	1.35e5	2.53e5	51.3	2.6	1.07	db
5	210319D1_6	200	1.23	NO	33.15	1.001	6.28e5	2.80e5	215	7.6	1.12	db
6	210319D1_7	1500	1.22	NO	33.17	1.000	4.14e6	2.67e5	1490	-0.6	1.04	db

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Compound name: 2,3,4,6,7,8-HxCDF
Response Factor: 1.12812
RRF SD: 0.0559459, Relative SD: 4.95924
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	210319D1_2	1.25	1.17	NO	33.80	1.001	2.63e3	1.89e5	1.24	-1.1	1.12	bb
2	210319D1_3	2.50	1.26	NO	33.80	1.000	5.46e3	1.98e5	2.44	-2.2	1.10	bb
3	210319D1_4	10.0	1.27	NO	33.81	1.000	2.31e4	2.10e5	9.73	-2.7	1.10	bb
4	210319D1_5	50.0	1.23	NO	33.80	1.000	1.28e5	2.27e5	50.1	0.3	1.13	bb
5	210319D1_6	200	1.22	NO	33.80	1.001	6.07e5	2.45e5	219	9.7	1.24	bb
6	210319D1_7	1500	1.22	NO	33.83	1.001	3.97e6	2.44e5	1440	-3.9	1.08	bb

Compound name: 1,2,3,7,8,9-HxCDF
Response Factor: 1.07482
RRF SD: 0.0584843, Relative SD: 5.44132
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	210319D1_2	1.25	1.19	NO	34.81	1.001	2.25e3	1.63e5	1.29	2.9	1.11	MM
2	210319D1_3	2.50	1.25	NO	34.86	1.001	4.57e3	1.77e5	2.40	-3.9	1.03	MM
3	210319D1_4	10.0	1.22	NO	34.83	1.001	1.95e4	1.92e5	9.44	-5.6	1.01	MM
4	210319D1_5	50.0	1.24	NO	34.80	1.000	1.09e5	2.00e5	50.5	1.1	1.09	bb
5	210319D1_6	200	1.24	NO	34.81	1.001	5.31e5	2.27e5	218	9.0	1.17	bb
6	210319D1_7	1500	1.23	NO	34.81	1.001	3.60e6	2.31e5	1450	-3.4	1.04	bb

Compound name: 1,2,3,4,6,7,8-HpCDF
Response Factor: 1.11458
RRF SD: 0.0659812, Relative SD: 5.91982
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	210319D1_2	1.25	0.96	NO	36.46	1.000	1.98e3	1.52e5	1.17	-6.4	1.04	MM
2	210319D1_3	2.50	1.03	NO	36.53	1.001	4.61e3	1.62e5	2.56	2.2	1.14	bb

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

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210319D1_4	10.0	1.02	NO	36.47	1.000	1.85e4	1.74e5	9.55	-4.5	1.06	bb
4	210319D1_5	50.0	1.01	NO	36.46	1.000	1.04e5	1.87e5	50.1	0.2	1.12	bb
5	210319D1_6	200	1.02	NO	36.46	1.001	5.04e5	2.05e5	221	10.3	1.23	bb
6	210319D1_7	1500	1.01	NO	36.48	1.000	3.39e6	2.07e5	1470	-1.9	1.09	bb

Compound name: 1,2,3,4,7,8,9-HpCDF
Response Factor: 1.31538
RRF SD: 0.0551306, Relative SD: 4.19123
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	210319D1_2	1.25	1.03	NO	38.52	1.001	1.76e3	1.07e5	1.24	-0.6	1.31	MM
2	210319D1_3	2.50	0.99	NO	38.50	1.000	3.80e3	1.18e5	2.46	-1.8	1.29	bb
3	210319D1_4	10.0	1.04	NO	38.50	1.000	1.59e4	1.22e5	9.92	-0.8	1.30	bd
4	210319D1_5	50.0	1.04	NO	38.47	1.000	8.91e4	1.38e5	49.2	-1.5	1.30	bb
5	210319D1_6	200	1.01	NO	38.47	1.000	4.53e5	1.59e5	217	8.3	1.42	bb
6	210319D1_7	1500	1.02	NO	38.48	1.000	3.05e6	1.60e5	1450	-3.6	1.27	bb

Compound name: OCDF
Response Factor: 0.930971
RRF SD: 0.0520998, Relative SD: 5.59628
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	210319D1_2	2.50	0.90	NO	41.56	1.000	3.09e3	2.50e5	2.65	6.2	0.988	MM
2	210319D1_3	5.00	0.87	NO	41.45	1.000	6.53e3	2.85e5	4.93	-1.5	0.917	bb
3	210319D1_4	20.0	0.88	NO	41.45	1.000	2.65e4	3.04e5	18.7	-6.3	0.872	bb
4	210319D1_5	100	0.91	NO	41.44	1.000	1.49e5	3.27e5	98.1	-1.9	0.913	bd
5	210319D1_6	400	0.88	NO	41.43	1.000	7.66e5	3.83e5	430	7.5	1.00	bb
6	210319D1_7	3000	0.90	NO	41.46	1.000	5.40e6	4.03e5	2880	-4.0	0.894	bb

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Compound name: 13C-2,3,7,8-TCDD
Response Factor: 1.20259
RRF SD: 0.0330709, Relative SD: 2.74997
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	210319D1_2	100	0.76	NO	26.10	1.027	2.06e5	1.74e5	98.3	-1.7	1.18	bb
2	210319D1_3	100	0.81	NO	26.11	1.028	2.23e5	1.85e5	101	0.6	1.21	bd
3	210319D1_4	100	0.77	NO	26.10	1.027	2.30e5	1.94e5	98.7	-1.3	1.19	bb
4	210319D1_5	100	0.76	NO	26.11	1.028	2.37e5	2.04e5	96.4	-3.6	1.16	bb
5	210319D1_6	100	0.77	NO	26.11	1.027	2.54e5	2.07e5	102	1.9	1.23	bb
6	210319D1_7	100	0.75	NO	26.11	1.028	2.33e5	1.86e5	104	4.0	1.25	bb

Compound name: 13C-1,2,3,7,8-PeCDD
Response Factor: 0.863696
RRF SD: 0.0572945, Relative SD: 6.63365
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	210319D1_2	100	0.63	NO	30.62	1.205	1.44e5	1.74e5	95.9	-4.1	0.829	bb
2	210319D1_3	100	0.62	NO	30.62	1.205	1.51e5	1.85e5	95.0	-5.0	0.820	bb
3	210319D1_4	100	0.58	NO	30.62	1.205	1.62e5	1.94e5	96.7	-3.3	0.835	bb
4	210319D1_5	100	0.61	NO	30.62	1.205	1.73e5	2.04e5	98.0	-2.0	0.846	bb
5	210319D1_6	100	0.61	NO	30.62	1.204	1.82e5	2.07e5	102	1.7	0.879	bb
6	210319D1_7	100	0.62	NO	30.62	1.205	1.81e5	1.86e5	113	12.7	0.973	bb

Compound name: 13C-1,2,3,4,7,8-HxCDD
Response Factor: 0.599725
RRF SD: 0.0280229, Relative SD: 4.67262
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	210319D1_2	100	1.31	NO	33.89	1.014	1.18e5	1.98e5	98.8	-1.2	0.593	bd
2	210319D1_3	100	1.30	NO	33.90	1.014	1.23e5	2.14e5	96.0	-4.0	0.576	bd

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

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210319D1_4	100	1.28	NO	33.91	1.014	1.33e5	2.24e5	99.0	-1.0	0.594	bd
4	210319D1_5	100	1.26	NO	33.90	1.014	1.39e5	2.40e5	96.2	-3.8	0.577	bd
5	210319D1_6	100	1.25	NO	33.90	1.014	1.56e5	2.56e5	101	1.3	0.607	bd
6	210319D1_7	100	1.26	NO	33.92	1.014	1.52e5	2.33e5	109	8.7	0.652	bd

Compound name: 13C-1,2,3,6,7,8-HxCDD
Response Factor: 0.674048
RRF SD: 0.0302711, Relative SD: 4.49095
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	210319D1_2	100	1.29	NO	34.01	1.017	1.32e5	1.98e5	98.5	-1.5	0.664	db
2	210319D1_3	100	1.23	NO	34.02	1.018	1.39e5	2.14e5	96.2	-3.8	0.649	db
3	210319D1_4	100	1.27	NO	34.03	1.017	1.49e5	2.24e5	98.5	-1.5	0.664	db
4	210319D1_5	100	1.28	NO	34.05	1.018	1.58e5	2.40e5	97.9	-2.1	0.660	db
5	210319D1_6	100	1.25	NO	34.02	1.017	1.73e5	2.56e5	100	-0.0	0.674	db
6	210319D1_7	100	1.31	NO	34.03	1.017	1.71e5	2.33e5	109	8.8	0.734	db

Compound name: 13C-1,2,3,7,8,9-HxCDD
Response Factor: 0.678784
RRF SD: 0.043541, Relative SD: 6.41456
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	210319D1_2	100	1.22	NO	34.30	1.026	1.29e5	1.98e5	95.9	-4.1	0.651	bb
2	210319D1_3	100	1.23	NO	34.32	1.027	1.38e5	2.14e5	95.1	-4.9	0.646	bb
3	210319D1_4	100	1.29	NO	34.31	1.026	1.49e5	2.24e5	97.7	-2.3	0.663	bb
4	210319D1_5	100	1.32	NO	34.31	1.026	1.60e5	2.40e5	98.2	-1.8	0.666	bd
5	210319D1_6	100	1.25	NO	34.31	1.026	1.75e5	2.56e5	101	0.7	0.683	bb
6	210319D1_7	100	1.28	NO	34.32	1.026	1.78e5	2.33e5	112	12.5	0.763	bb

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Compound name: 13C-1,2,3,4,6,7,8-HpCDD
Response Factor: 0.558046
RRF SD: 0.0394278, Relative SD: 7.06535
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	210319D1_2	100	1.09	NO	37.83	1.132	1.03e5	1.98e5	93.3	-6.7	0.521	bd
2	210319D1_3	100	1.08	NO	37.88	1.133	1.14e5	2.14e5	95.4	-4.6	0.532	bd
3	210319D1_4	100	1.09	NO	37.84	1.131	1.21e5	2.24e5	96.9	-3.1	0.540	bd
4	210319D1_5	100	1.03	NO	37.81	1.131	1.31e5	2.40e5	97.9	-2.1	0.546	bb
5	210319D1_6	100	1.05	NO	37.79	1.130	1.49e5	2.56e5	104	4.3	0.582	bb
6	210319D1_7	100	1.07	NO	37.83	1.130	1.46e5	2.33e5	112	12.3	0.626	bb

Compound name: 13C-OCDD
Response Factor: 0.496012
RRF SD: 0.0491462, Relative SD: 9.90826
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	210319D1_2	200	0.90	NO	41.15	1.231	1.77e5	1.98e5	180	-10.2	0.445	bd
2	210319D1_3	200	0.88	NO	41.16	1.231	1.98e5	2.14e5	186	-6.9	0.462	bb
3	210319D1_4	200	0.89	NO	41.11	1.229	2.16e5	2.24e5	194	-3.0	0.481	bb
4	210319D1_5	200	0.88	NO	41.08	1.228	2.34e5	2.40e5	197	-1.7	0.488	bb
5	210319D1_6	200	0.88	NO	41.15	1.230	2.65e5	2.56e5	208	4.2	0.517	bb
6	210319D1_7	200	0.88	NO	41.15	1.230	2.72e5	2.33e5	235	17.6	0.583	bb

Compound name: 13C-2,3,7,8-TCDF
Response Factor: 1.02573
RRF SD: 0.0322633, Relative SD: 3.14541
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	210319D1_2	100	0.72	NO	25.44	1.001	2.95e5	3.00e5	95.9	-4.1	0.984	bb
2	210319D1_3	100	0.73	NO	25.42	1.001	3.18e5	3.15e5	98.5	-1.5	1.01	bb

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

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210319D1_4	100	0.75	NO	25.42	1.001	3.49e5	3.27e5	104	3.9	1.07	bb
4	210319D1_5	100	0.77	NO	25.42	1.001	3.50e5	3.49e5	97.6	-2.4	1.00	bb
5	210319D1_6	100	0.76	NO	25.44	1.001	3.62e5	3.49e5	101	1.2	1.04	bb
6	210319D1_7	100	0.77	NO	25.42	1.001	3.34e5	3.16e5	103	2.8	1.05	bb

Compound name: 13C-1,2,3,7,8-PeCDF
Response Factor: 0.805345
RRF SD: 0.052476, Relative SD: 6.51596
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	210319D1_2	100	1.60	NO	29.42	1.158	2.32e5	3.00e5	95.9	-4.1	0.772	bb
2	210319D1_3	100	1.57	NO	29.44	1.158	2.44e5	3.15e5	96.1	-3.9	0.774	bb
3	210319D1_4	100	1.62	NO	29.44	1.158	2.60e5	3.27e5	98.8	-1.2	0.796	dd
4	210319D1_5	100	1.60	NO	29.42	1.158	2.68e5	3.49e5	95.3	-4.7	0.767	bb
5	210319D1_6	100	1.55	NO	29.42	1.157	2.85e5	3.49e5	102	1.6	0.818	bb
6	210319D1_7	100	1.64	NO	29.42	1.158	2.86e5	3.16e5	112	12.4	0.905	bb

Compound name: 13C-2,3,4,7,8-PeCDF
Response Factor: 0.748204
RRF SD: 0.0523073, Relative SD: 6.99105
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	210319D1_2	100	1.60	NO	30.40	1.197	2.11e5	3.00e5	94.2	-5.8	0.705	bb
2	210319D1_3	100	1.58	NO	30.42	1.197	2.23e5	3.15e5	94.5	-5.5	0.707	bb
3	210319D1_4	100	1.56	NO	30.42	1.197	2.40e5	3.27e5	97.8	-2.2	0.732	bb
4	210319D1_5	100	1.60	NO	30.42	1.197	2.52e5	3.49e5	96.5	-3.5	0.722	bb
5	210319D1_6	100	1.59	NO	30.42	1.197	2.75e5	3.49e5	105	5.3	0.788	bb
6	210319D1_7	100	1.57	NO	30.40	1.197	2.64e5	3.16e5	112	11.6	0.835	bb

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Compound name: 13C-1,2,3,4,7,8-HxCDF
Response Factor: 0.968327
RRF SD: 0.0470169, Relative SD: 4.85548
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	210319D1_2	100	0.51	NO	32.99	0.987	1.92e5	1.98e5	99.8	-0.2	0.966	bd
2	210319D1_3	100	0.51	NO	33.00	0.987	2.02e5	2.14e5	97.5	-2.5	0.944	bd
3	210319D1_4	100	0.52	NO	33.01	0.987	2.13e5	2.24e5	98.1	-1.9	0.950	bd
4	210319D1_5	100	0.52	NO	33.00	0.987	2.23e5	2.40e5	96.1	-3.9	0.931	bd
5	210319D1_6	100	0.50	NO	32.99	0.987	2.45e5	2.56e5	99.0	-1.0	0.958	bd
6	210319D1_7	100	0.52	NO	33.01	0.987	2.47e5	2.33e5	110	9.6	1.06	bd

Compound name: 13C-1,2,3,6,7,8-HxCDF
Response Factor: 1.08486
RRF SD: 0.0348128, Relative SD: 3.20896
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	210319D1_2	100	0.49	NO	33.12	0.991	2.16e5	1.98e5	101	0.5	1.09	db
2	210319D1_3	100	0.50	NO	33.13	0.991	2.26e5	2.14e5	97.1	-2.9	1.05	db
3	210319D1_4	100	0.52	NO	33.15	0.991	2.41e5	2.24e5	98.8	-1.2	1.07	db
4	210319D1_5	100	0.51	NO	33.15	0.991	2.53e5	2.40e5	97.0	-3.0	1.05	db
5	210319D1_6	100	0.52	NO	33.12	0.990	2.80e5	2.56e5	101	0.8	1.09	db
6	210319D1_7	100	0.51	NO	33.16	0.991	2.67e5	2.33e5	106	5.7	1.15	MM

Compound name: 13C-2,3,4,6,7,8-HxCDF
Response Factor: 0.960269
RRF SD: 0.0445285, Relative SD: 4.63708
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	210319D1_2	100	0.50	NO	33.78	1.010	1.89e5	1.98e5	99.0	-1.0	0.951	bd
2	210319D1_3	100	0.50	NO	33.79	1.011	1.98e5	2.14e5	96.2	-3.8	0.923	bb

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

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210319D1_4	100	0.52	NO	33.80	1.010	2.10e5	2.24e5	97.5	-2.5	0.936	bb
4	210319D1_5	100	0.50	NO	33.79	1.010	2.27e5	2.40e5	98.5	-1.5	0.946	bb
5	210319D1_6	100	0.53	NO	33.78	1.010	2.45e5	2.56e5	99.6	-0.4	0.957	bb
6	210319D1_7	100	0.51	NO	33.80	1.010	2.44e5	2.33e5	109	9.1	1.05	bb

Compound name: 13C-1,2,3,7,8,9-HxCDF
Response Factor: 0.869204
RRF SD: 0.0646475, Relative SD: 7.43756
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	210319D1_2	100	0.50	NO	34.79	1.041	1.63e5	1.98e5	94.5	-5.5	0.821	bd
2	210319D1_3	100	0.50	NO	34.83	1.042	1.77e5	2.14e5	95.0	-5.0	0.826	bd
3	210319D1_4	100	0.50	NO	34.80	1.040	1.92e5	2.24e5	98.5	-1.5	0.856	bd
4	210319D1_5	100	0.51	NO	34.79	1.040	2.00e5	2.40e5	96.1	-3.9	0.835	bd
5	210319D1_6	100	0.51	NO	34.79	1.040	2.27e5	2.56e5	102	1.8	0.885	bb
6	210319D1_7	100	0.51	NO	34.79	1.040	2.31e5	2.33e5	114	14.2	0.992	bb

Compound name: 13C-1,2,3,4,6,7,8-HpCDF
Response Factor: 0.793942
RRF SD: 0.0485782, Relative SD: 6.1186
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	210319D1_2	100	0.42	NO	36.45	1.090	1.52e5	1.98e5	96.5	-3.5	0.766	bb
2	210319D1_3	100	0.43	NO	36.50	1.092	1.62e5	2.14e5	95.0	-5.0	0.754	bb
3	210319D1_4	100	0.42	NO	36.46	1.090	1.74e5	2.24e5	97.7	-2.3	0.776	bb
4	210319D1_5	100	0.43	NO	36.45	1.090	1.87e5	2.40e5	98.1	-1.9	0.779	bd
5	210319D1_6	100	0.43	NO	36.44	1.090	2.05e5	2.56e5	101	0.8	0.800	bb
6	210319D1_7	100	0.42	NO	36.47	1.090	2.07e5	2.33e5	112	11.9	0.888	bb

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Compound name: 13C-1,2,3,4,7,8,9-HpCDF
Response Factor: 0.585979
RRF SD: 0.0579447, Relative SD: 9.88852
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	210319D1_2	100	0.42	NO	38.50	1.152	1.07e5	1.98e5	92.5	-7.5	0.542	bd
2	210319D1_3	100	0.40	NO	38.48	1.151	1.18e5	2.14e5	93.6	-6.4	0.548	bb
3	210319D1_4	100	0.42	NO	38.49	1.151	1.22e5	2.24e5	92.9	-7.1	0.544	bb
4	210319D1_5	100	0.41	NO	38.46	1.150	1.38e5	2.40e5	97.8	-2.2	0.573	bb
5	210319D1_6	100	0.42	NO	38.46	1.150	1.59e5	2.56e5	106	5.9	0.621	bb
6	210319D1_7	100	0.41	NO	38.47	1.150	1.60e5	2.33e5	117	17.3	0.688	bb

Compound name: 13C-OCDF
Response Factor: 0.711091
RRF SD: 0.0843365, Relative SD: 11.8602
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	210319D1_2	200	0.88	NO	41.55	1.243	2.50e5	1.98e5	177	-11.3	0.631	bb
2	210319D1_3	200	0.88	NO	41.44	1.240	2.85e5	2.14e5	187	-6.6	0.664	bb
3	210319D1_4	200	0.88	NO	41.44	1.239	3.04e5	2.24e5	191	-4.7	0.678	bb
4	210319D1_5	200	0.90	NO	41.42	1.238	3.27e5	2.40e5	192	-4.1	0.682	bd
5	210319D1_6	200	0.88	NO	41.42	1.238	3.83e5	2.56e5	210	5.0	0.747	bb
6	210319D1_7	200	0.89	NO	41.44	1.238	4.03e5	2.33e5	243	21.6	0.865	bb

Compound name: 37Cl-2,3,7,8-TCDD
Response Factor: 1.10683
RRF SD: 0.123125, Relative SD: 11.1242
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	210319D1_2	0.250			26.13	1.028	5.42e2	1.74e5	0.282	12.6	1.25	bb
2	210319D1_3	0.500			26.13	1.028	1.08e3	1.85e5	0.530	5.9	1.17	bb

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

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210319D1_4	2.00			26.13	1.028	3.81e3	1.94e5	1.78	-11.2	0.983	bb
4	210319D1_5	10.0			26.13	1.028	1.92e4	2.04e5	8.50	-15.0	0.941	bb
5	210319D1_6	40.0			26.13	1.028	9.97e4	2.07e5	43.4	8.6	1.20	bd
6	210319D1_7	200			26.13	1.028	4.09e5	1.86e5	198	-0.9	1.10	bb

Compound name: 13C-1,2,3,4-TCDD
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210319D1_2	100	0.75	NO	25.41	1.000	1.74e5	1.74e5	100	0.0	1.00	bb
2	210319D1_3	100	0.77	NO	25.41	1.000	1.85e5	1.85e5	100	0.0	1.00	bb
3	210319D1_4	100	0.80	NO	25.41	1.000	1.94e5	1.94e5	100	0.0	1.00	bb
4	210319D1_5	100	0.79	NO	25.41	1.000	2.04e5	2.04e5	100	0.0	1.00	bb
5	210319D1_6	100	0.77	NO	25.42	1.000	2.07e5	2.07e5	100	0.0	1.00	bb
6	210319D1_7	100	0.79	NO	25.41	1.000	1.86e5	1.86e5	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	210319D1_2	100	0.77	NO	23.99	1.000	3.00e5	3.00e5	100	0.0	1.00	bb
2	210319D1_3	100	0.77	NO	23.99	1.000	3.15e5	3.15e5	100	0.0	1.00	bb
3	210319D1_4	100	0.76	NO	23.97	1.000	3.27e5	3.27e5	100	0.0	1.00	bb
4	210319D1_5	100	0.79	NO	23.99	1.000	3.49e5	3.49e5	100	0.0	1.00	bb
5	210319D1_6	100	0.78	NO	24.00	1.000	3.49e5	3.49e5	100	0.0	1.00	bb
6	210319D1_7	100	0.79	NO	23.99	1.000	3.16e5	3.16e5	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	210319D1_2	100	0.51	NO	33.43	1.000	1.98e5	1.98e5	100	0.0	1.00	bd
2	210319D1_3	100	0.51	NO	33.43	1.000	2.14e5	2.14e5	100	0.0	1.00	bb
3	210319D1_4	100	0.51	NO	33.45	1.000	2.24e5	2.24e5	100	0.0	1.00	bb
4	210319D1_5	100	0.51	NO	33.44	1.000	2.40e5	2.40e5	100	0.0	1.00	bb
5	210319D1_6	100	0.51	NO	33.44	1.000	2.56e5	2.56e5	100	0.0	1.00	bb
6	210319D1_7	100	0.51	NO	33.46	1.000	2.33e5	2.33e5	100	0.0	1.00	bb

Vista Analytical Laboratory VG-11

Dataset: Untitled

Last Altered: Monday, March 22, 2021 15:03:48 Pacific Daylight Time
Printed: Monday, March 22, 2021 15:03:52 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_3-19-21.mdb 22 Mar 2021 13:57:18
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

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

	Name	ID	Acq.Date	Acq.Time
1	210319D1_1	ST210319D1-1 1613 CS0 20H2518 (A)	19-Mar-21	06:58:23
2	210319D1_2	ST210319D1-2 1613 CS0 20H2518	19-Mar-21	08:06:08
3	210319D1_3	ST210319D1-3 1613 CS1 20H2519	19-Mar-21	09:06:00
4	210319D1_4	ST210319D1-4 1613 CS2 20H2520	19-Mar-21	09:54:06
5	210319D1_5	ST210319D1-5 1613 CS3 20H2521	19-Mar-21	10:39:15
6	210319D1_6	ST210319D1-6 1613 CS4 20H2522	19-Mar-21	11:25:31
7	210319D1_7	ST210319D1-7 1613 CS5 20H2523	19-Mar-21	12:11:07
8	210319D1_8	SOLVENT BLANK	19-Mar-21	12:57:22
9	210319D1_9	SS210319D1-1 1613 SSS 20H2524	19-Mar-21	13:42:53
10	210319D1_10	TCDF CPSM	19-Mar-21	14:29:12
11	210319D1_11	B1B0188-BS2 OPR 25	19-Mar-21	15:15:27
12	210319D1_12	B1C0065-BS1 OPR 1	19-Mar-21	16:01:42
13	210319D1_13	SOLVENT BLANK	19-Mar-21	16:48:01
14	210319D1_14	B1C0065-BLK1 Method Blank 1	19-Mar-21	17:34:16
15	210319D1_15	2102203-01 WIF LS Inlet Sump-20210211 0.2	19-Mar-21	18:20:31
16	210319D1_16	2102203-03 WWWTPInfluent 868 Bld 0.05	19-Mar-21	19:06:00
17	210319D1_17	2102203-02 B 108-20210211 0.2	19-Mar-21	19:52:13
18	210319D1_18	2102203-02@10X B 108-20210211 0.2 (B)	19-Mar-21	20:38:33

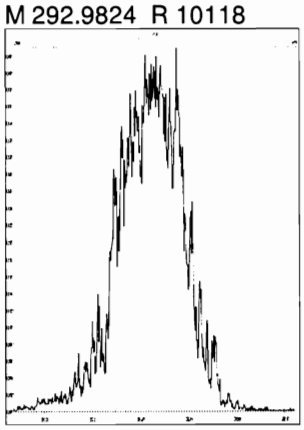
(A) bad injection - IPZ

(B) no end cal; instrument paused. Filament out.

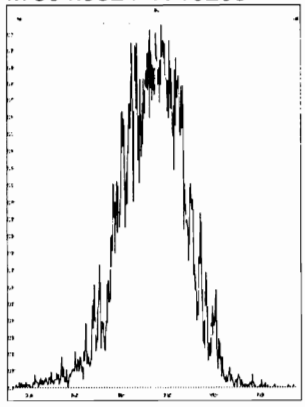
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Friday, March 19, 2021 08:00:17 Pacific Daylight Time

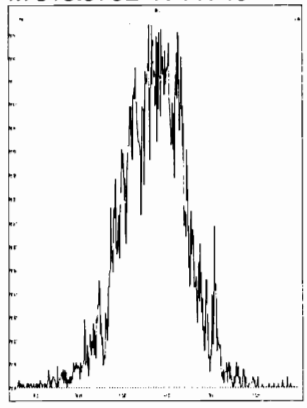
M 292.9824 R 10118



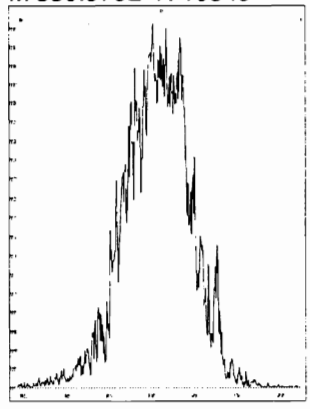
M 304.9824 R 10203



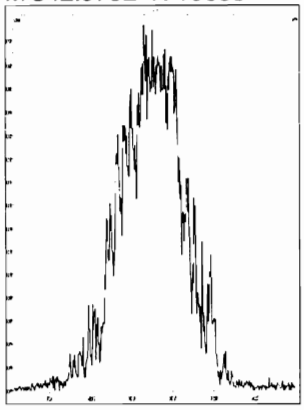
M 318.9792 R 11740



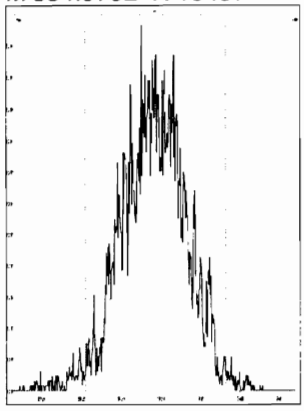
M 330.9792 R 10549



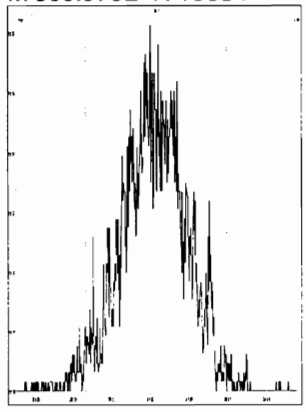
M 342.9792 R 10683



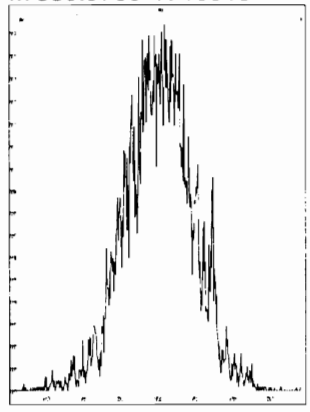
M 354.9792 R 10457



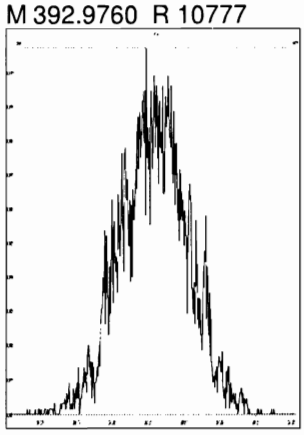
M 366.9792 R 10684



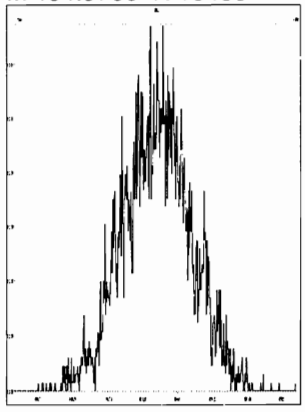
M 380.9760 R 10915



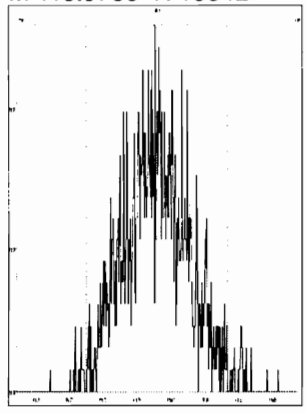
M 392.9760 R 10777



M 404.9760 R 10459



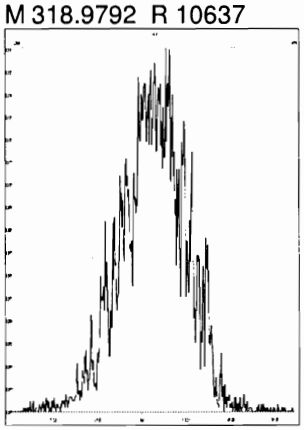
M 416.9760 R 10042



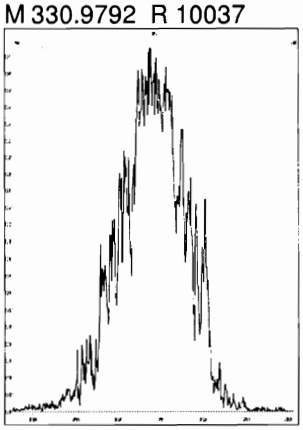
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Friday, March 19, 2021 08:01:07 Pacific Daylight Time

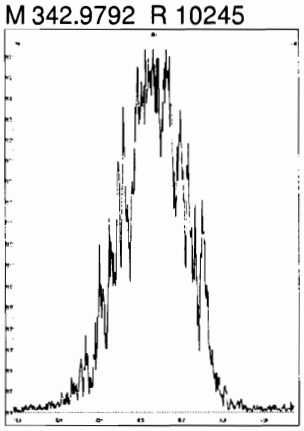
M 318.9792 R 10637



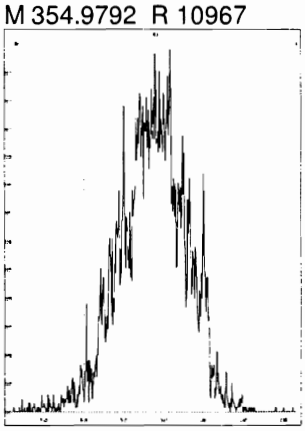
M 330.9792 R 10037



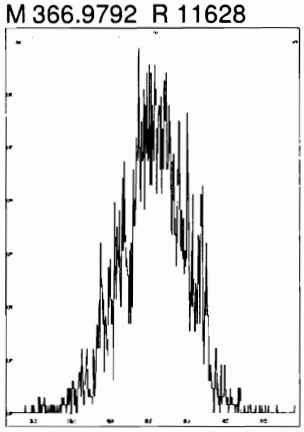
M 342.9792 R 10245



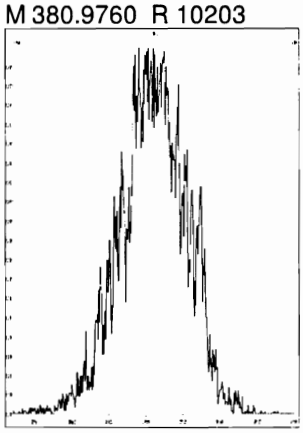
M 354.9792 R 10967



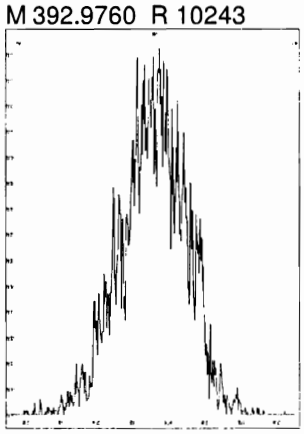
M 366.9792 R 11628



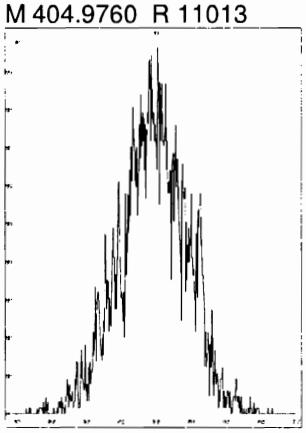
M 380.9760 R 10203



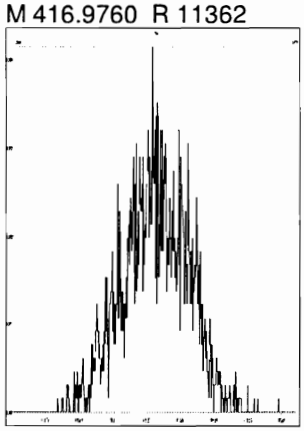
M 392.9760 R 10243



M 404.9760 R 11013



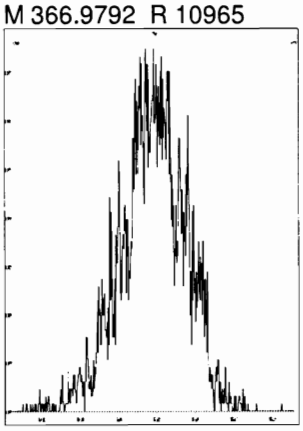
M 416.9760 R 11362



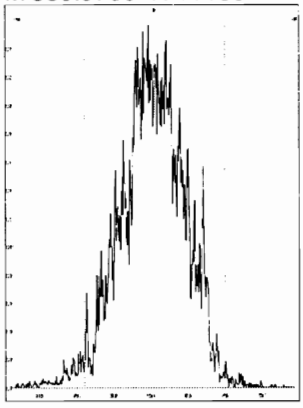
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Friday, March 19, 2021 08:02:11 Pacific Daylight Time

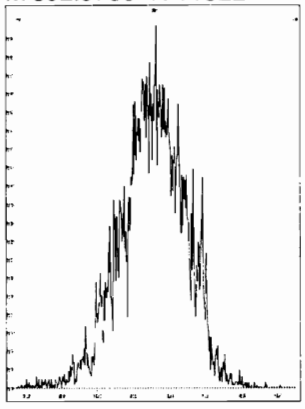
M 366.9792 R 10965



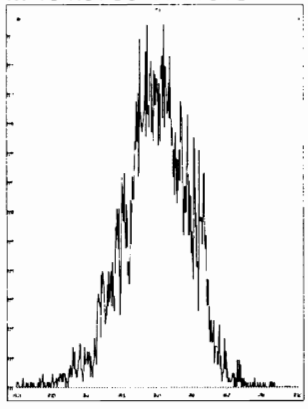
M 380.9760 R 11160



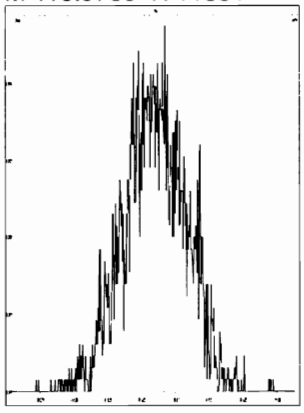
M 392.9760 R 11522



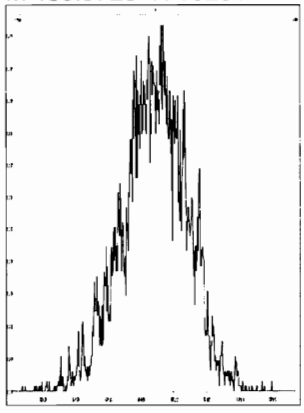
M 404.9760 R 11013



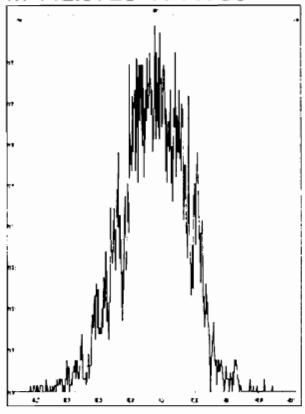
M 416.9760 R 11851



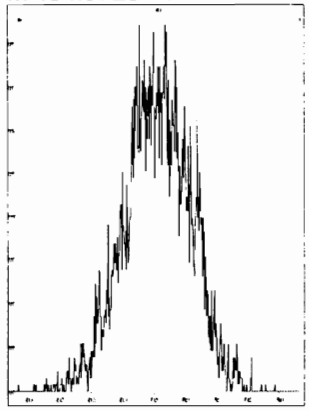
M 430.9728 R 10201



M 442.9728 R 11736



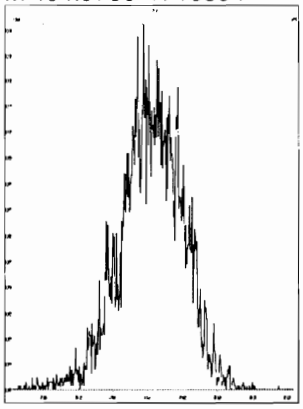
M 454.9728 R 11212



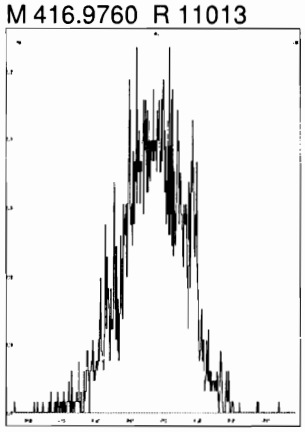
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Friday, March 19, 2021 08:02:46 Pacific Daylight Time

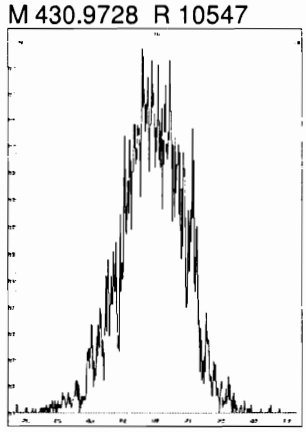
M 404.9760 R 10594



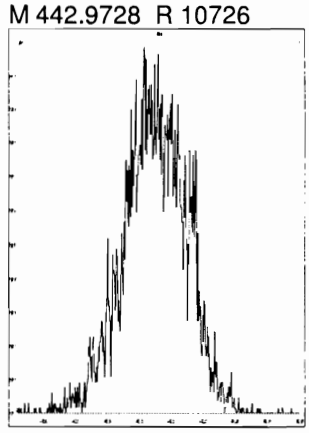
M 416.9760 R 11013



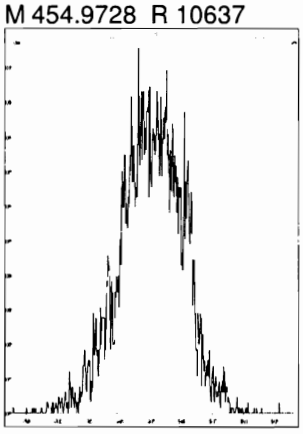
M 430.9728 R 10547



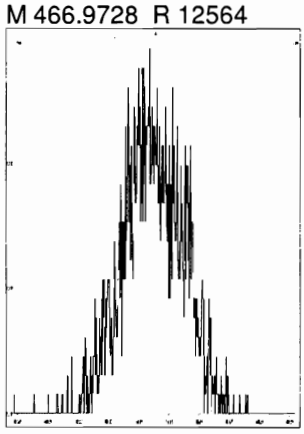
M 442.9728 R 10726



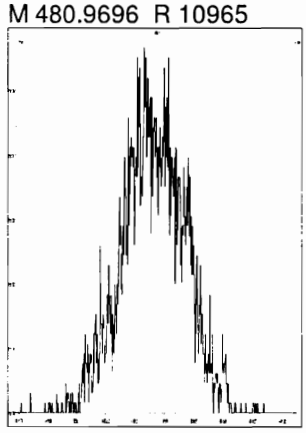
M 454.9728 R 10637



M 466.9728 R 12564



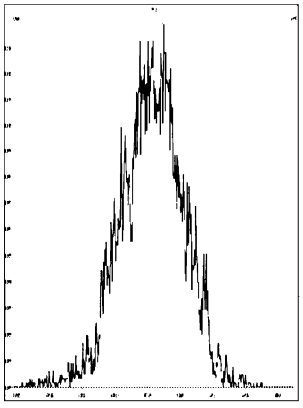
M 480.9696 R 10965



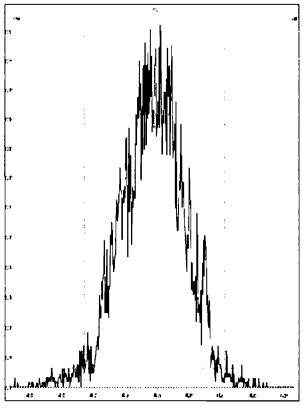
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Friday, March 19, 2021 08:03:28 Pacific Daylight Time

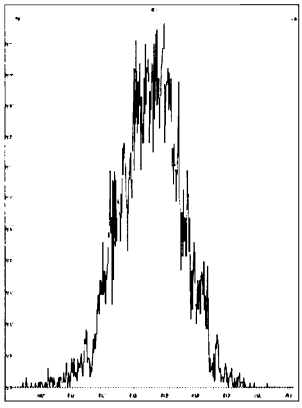
M 430.9728 R 11736



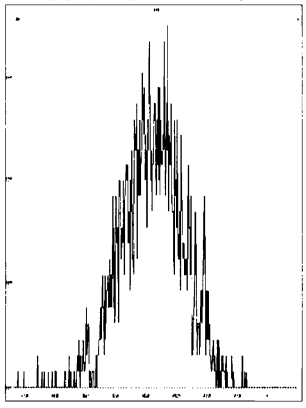
M 442.9728 R 11314



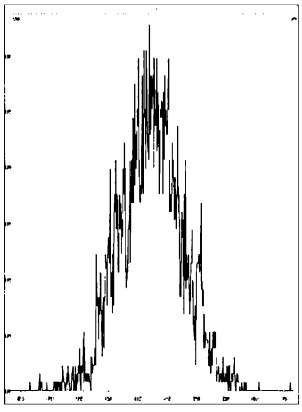
M 454.9728 R 11517



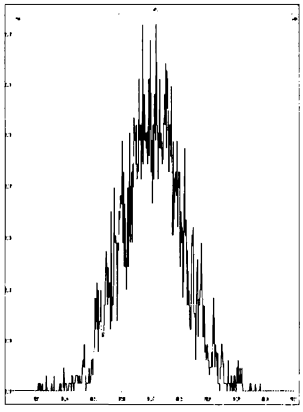
M 466.9728 R 11740



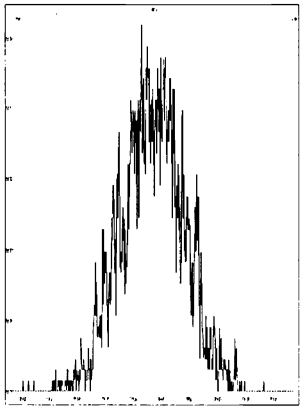
M 480.9696 R 11158



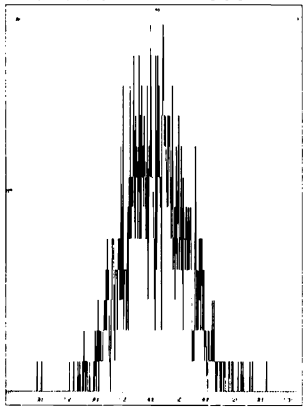
M 492.9696 R 11062



M 504.9696 R 11110



M 516.9697 R 11309



Vista Analytical Laboratory

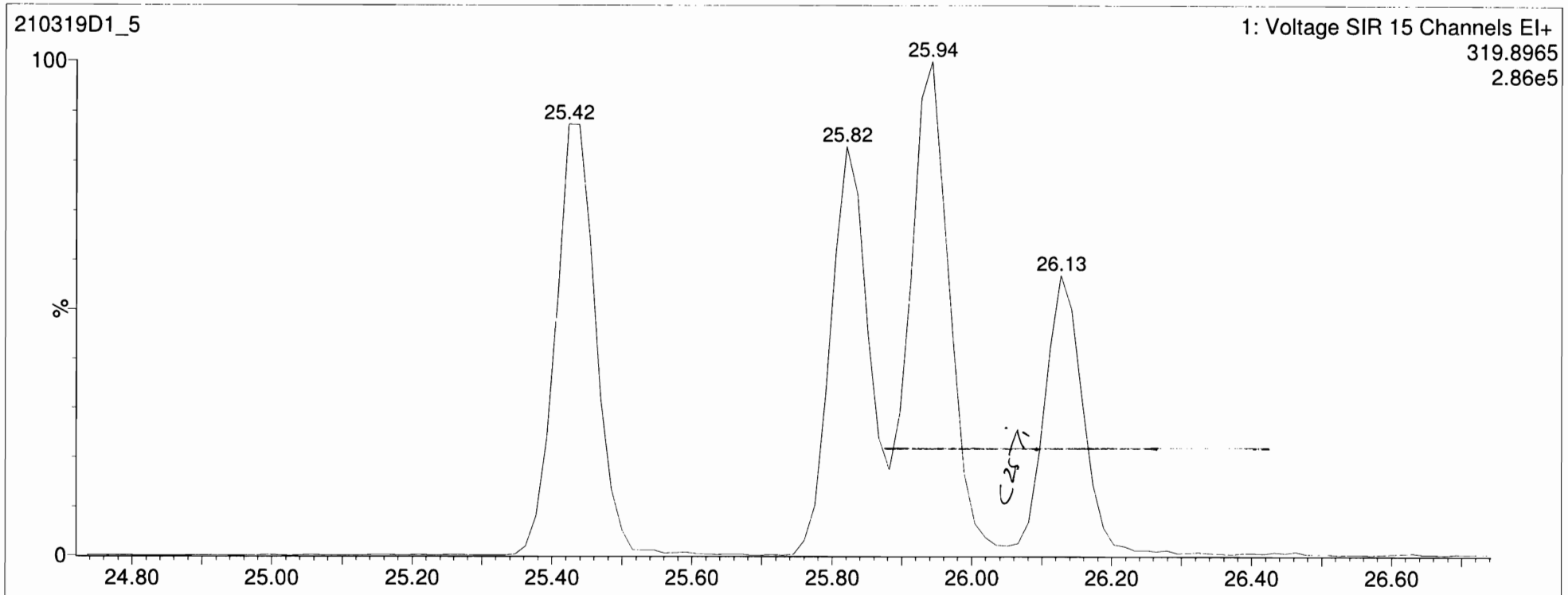
Dataset: Untitled

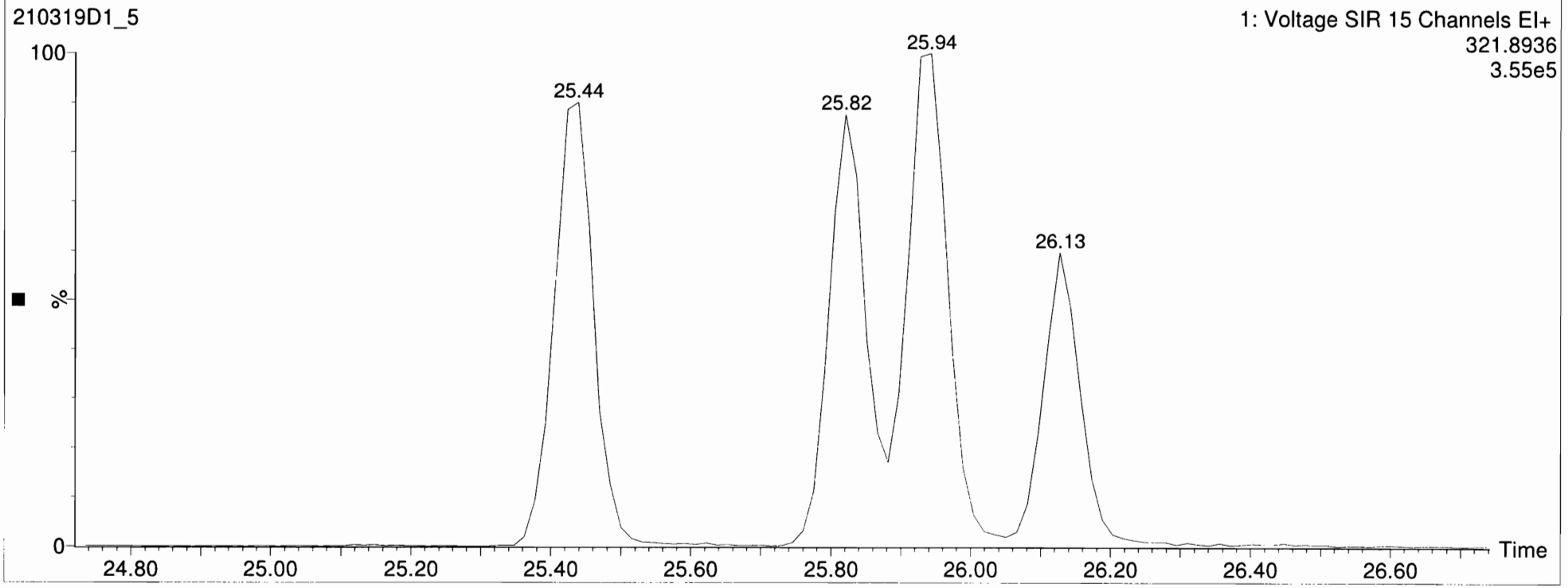
Last Altered: Monday, March 22, 2021 15:09:06 Pacific Daylight Time
Printed: Monday, March 22, 2021 15:09:21 Pacific Daylight Time

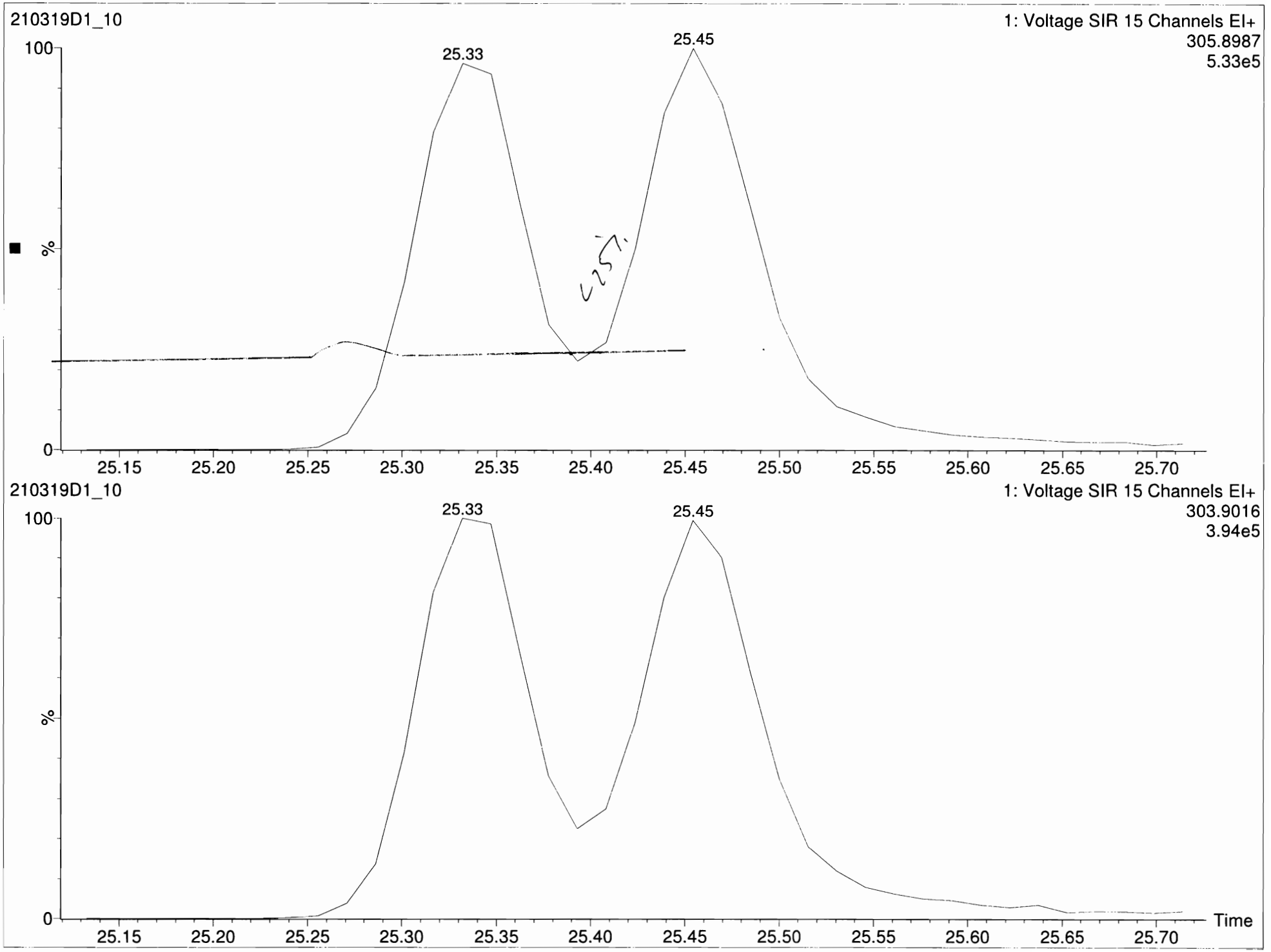
Method: C:\MassLynx\Default.PRO\MethDB\CPSM.mdb 22 Mar 2021 15:09:01
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210319D1_5, Date: 19-Mar-2021, Time: 10:39:15, ID: ST210319D1-5 1613 CS3 20H2521, Description: 1613 CS3 20H2521

	#	Name	RT
1	1	1,3,6,8-TCDD (First)	22.53
2	2	1,2,8,9-TCDD (Last)	26.98
3	3	1,2,4,7,9-PeCDD (First)	28.49
4	4	1,2,3,8,9-PeCDD (Last)	30.99
5	5	1,2,4,6,7,9-HxCDD (First)	32.29
6	6	1,2,3,7,8,9-HxCDD (Last)	34.33
7	7	1,2,3,4,6,7,9-HpCDD (First)	36.84
8	8	1,2,3,4,6,7,8-HpCDD (Last)	37.82
9	9	1,3,6,8-TCDF (First)	20.32
10	10	1,2,8,9-TCDF (Last)	27.26
11	11	1,3,4,6,8-PeCDF (First)	26.91
12	12	1,2,3,8,9-PeCDF (Last)	31.31
13	13	1,2,3,4,6,8-HxCDF (First)	31.76
14	14	1,2,3,7,8,9-HxCDF (Last)	34.80
15	15	1,2,3,4,6,7,8-HpCDF (First)	36.46
16	16	1,2,3,4,7,8,9-HpCDF (Last)	38.47


210319D1_5
1: Voltage SIR 15 Channels EI+
319.8965
2.86e5
100
%
0
25.42
25.82
25.94
26.13
24.80
25.00
25.20
25.40
25.60
25.80
26.00
26.20
26.40
26.60


210319D1_5
1: Voltage SIR 15 Channels EI+
321.8936
3.55e5
100
%
0
25.44
25.82
25.94
26.13
Time
24.80
25.00
25.20
25.40
25.60
25.80
26.00
26.20
26.40
26.60


210319D1_10
1: Voltage SIR 15 Channels EI+
305.8987
5.33e5
100
%
0
25.33
25.45
25.15
25.20
25.25
25.30
25.35
25.40
25.45
25.50
25.55
25.60
25.65
25.70
210319D1_10
1: Voltage SIR 15 Channels EI+
303.9016
3.94e5
100
%
0
25.33
25.45
Time
25.15
25.20
25.25
25.30
25.35
25.40
25.45
25.50
25.55
25.60
25.65
25.70

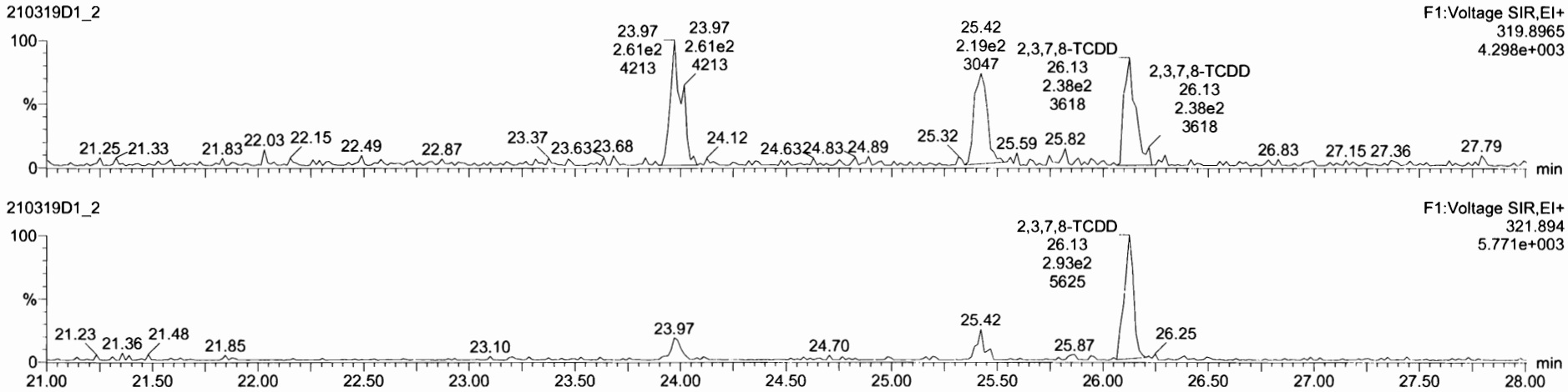
Dataset: Untitled

Last Altered: Monday, March 22, 2021 15:03:48 Pacific Daylight Time
Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

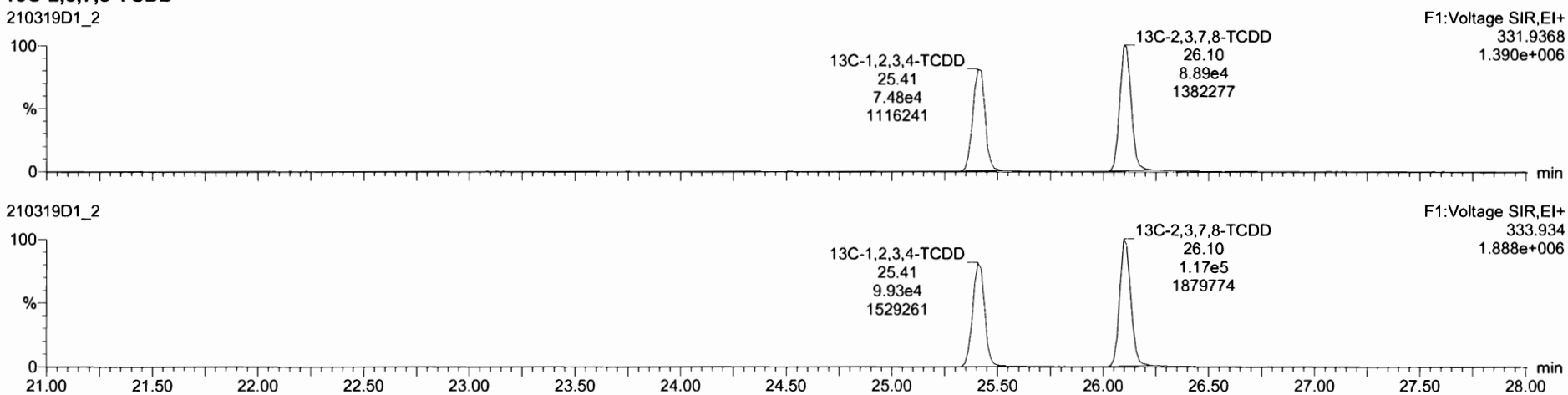
Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_3-19-21.mdb 22 Mar 2021 13:57:18
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210319D1_2, Date: 19-Mar-2021, Time: 08:06:08, ID: ST210319D1-2 1613 CS0 20H2518, Description: 1613 CS0 20H2518

2,3,7,8-TCDD



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

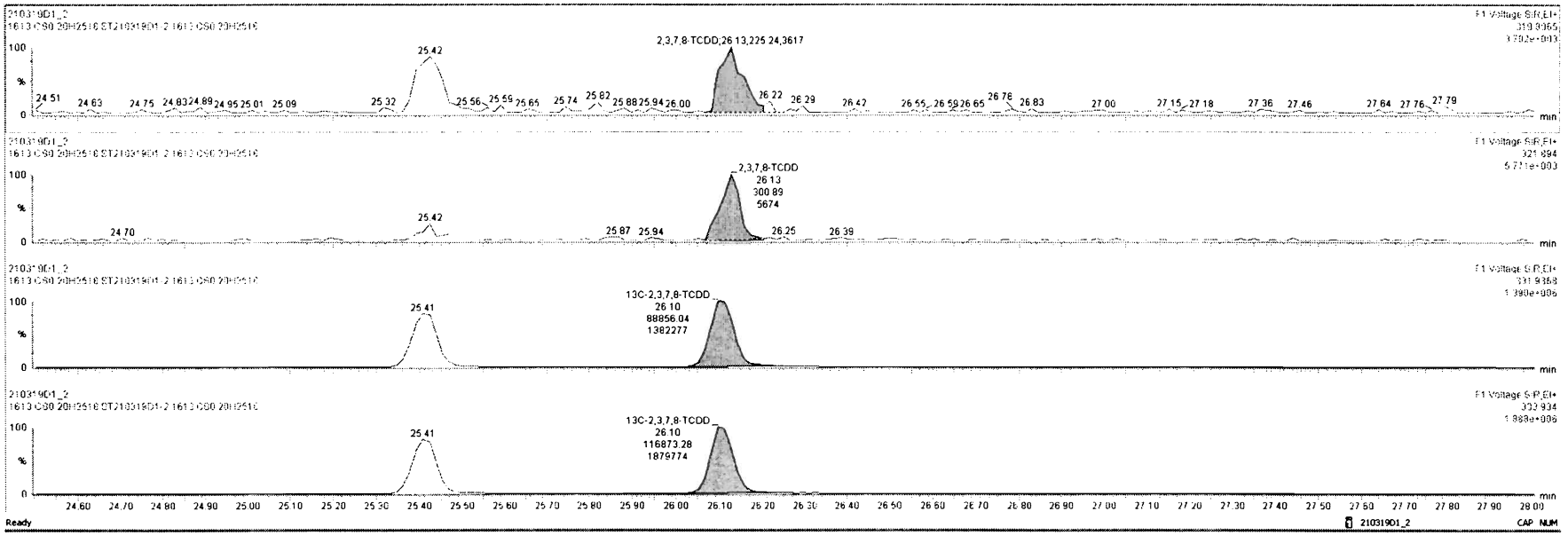


TargetLynx - 21031901-CRV.qld - [Chromatogram]

File Edit View Display Processing Window Help

2103191D1_2 - ST2103191D1-2 1613 CS0 20H2518 - 1613 CS0 20H2518

	#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
1	1	2,3,7,8-TCDD	5.26e2	0.75	NO	0.9976	1.000	26.13	26.13	1.001	1.001	NO	0.2564	103	0.0332	0.2560
2	2	1,2,3,7,8-PeCDD	1.76e3	0.58	NO	0.9613	1.000	30.64	30.64	1.001	1.001	NO	1.269	102	0.0443	1.269
3	3	1,2,3,4,7,8-HxCDD	1.69e3	1.28	NO	1.1843	1.000	33.90	33.90	1.000	1.000	NO	1.215	97.2	0.0907	1.215
4	4	1,2,3,6,7,8-HxCDD	1.73e3	1.25	NO	1.0404	1.000	34.01	34.02	1.000	1.000	NO	1.261	101	0.0923	1.261
5	5	1,2,3,7,8,9-HxCDD	1.71e3	1.36	NO	1.0593	1.000	34.33	34.30	1.001	1.000	NO	1.247	99.8	0.0987	1.247
6	6	1,2,3,4,6,7,8-HpCDD	1.46e3	1.02	NO	1.0602	1.000	37.84	37.86	1.000	1.001	NO	1.331	106	0.161	1.331
7	7	OCDD	2.10e3	0.92	NO	0.9769	1.000	41.15	41.15	1.000	1.000	NO	2.435	97.4	0.415	2.435
8	8	2,3,7,8-TCDF	8.44e2	0.78	NO	0.9895	1.000	25.46	25.44	1.001	1.000	NO	0.2891	116	0.0239	0.2890
9	9	1,2,3,7,8-PeCDF	2.86e3	1.32	NO	1.0221	1.000	29.44	29.44	1.001	1.001	NO	1.206	96.5	0.0408	1.206
10	10	2,3,4,7,8-PeCDF	2.99e3	1.70	NO	1.1738	1.000	30.43	30.42	1.001	1.001	NO	1.204	96.3	0.0431	1.204
11	11	1,2,3,4,7,8-HxCDF	2.70e3	1.11	NO	1.1380	1.000	32.99	33.01	1.000	1.001	NO	1.238	99.0	0.0461	1.238
12	12	1,2,3,6,7,8-HxCDF	2.73e3	1.34	NO	1.0419	1.000	33.13	33.15	1.000	1.001	NO	1.210	96.8	0.0465	1.210
13	13	2,3,4,6,7,8-HxCDF	2.63e3	1.17	NO	1.1281	1.000	33.82	33.80	1.001	1.001	NO	1.237	98.9	0.0531	1.237
14	14	1,2,3,7,8,9-HxCDF	2.25e3	1.19	NO	1.0748	1.000	34.79	34.81	1.000	1.001	NO	1.286	103	0.0799	1.286
15	15	1,2,3,4,6,7,8-HpCDF	1.98e3	0.96	NO	1.1146	1.000	36.48	36.46	1.001	1.000	NO	1.170	93.6	0.0926	1.170



Ready

21031901_2

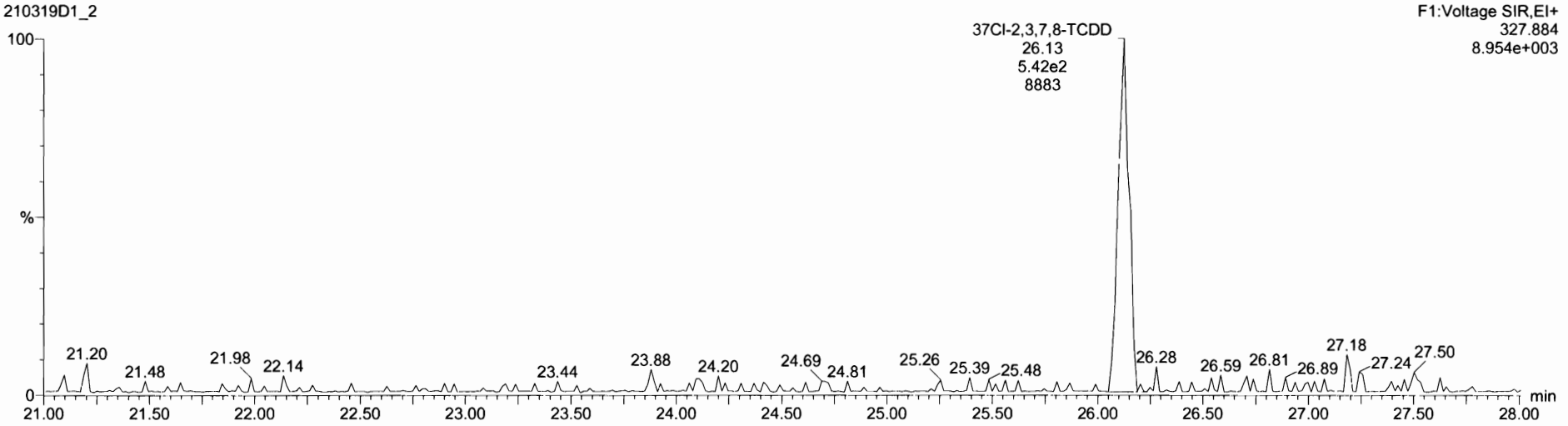
CAP NUM

Dataset: Untitled

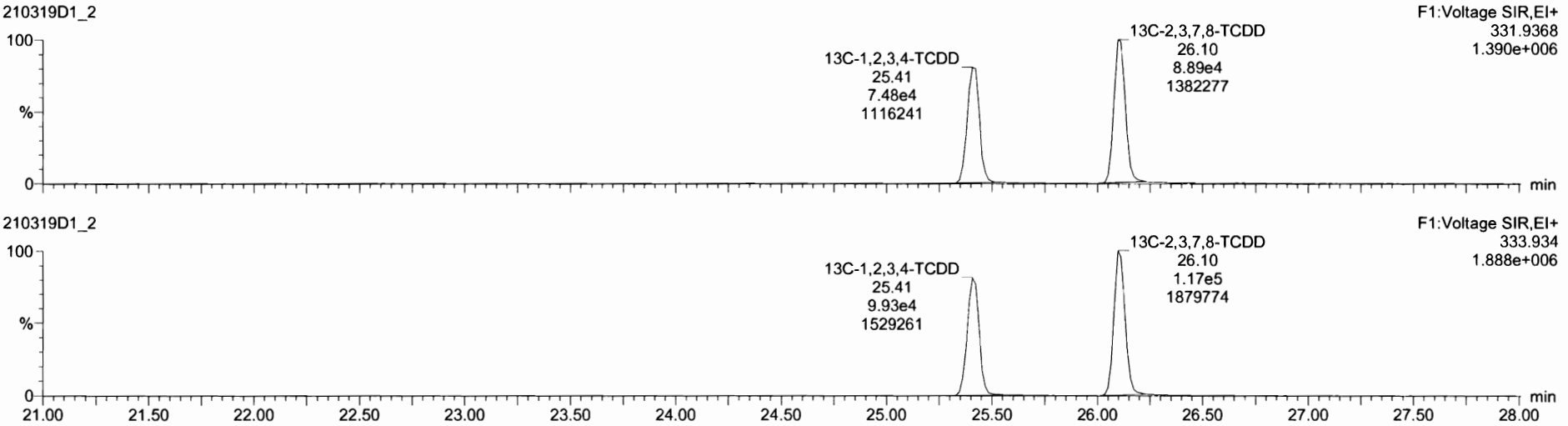
Last Altered: Monday, March 22, 2021 15:03:48 Pacific Daylight Time
Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

Name: 210319D1_2, Date: 19-Mar-2021, Time: 08:06:08, ID: ST210319D1-2 1613 CS0 20H2518, Description: 1613 CS0 20H2518

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



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



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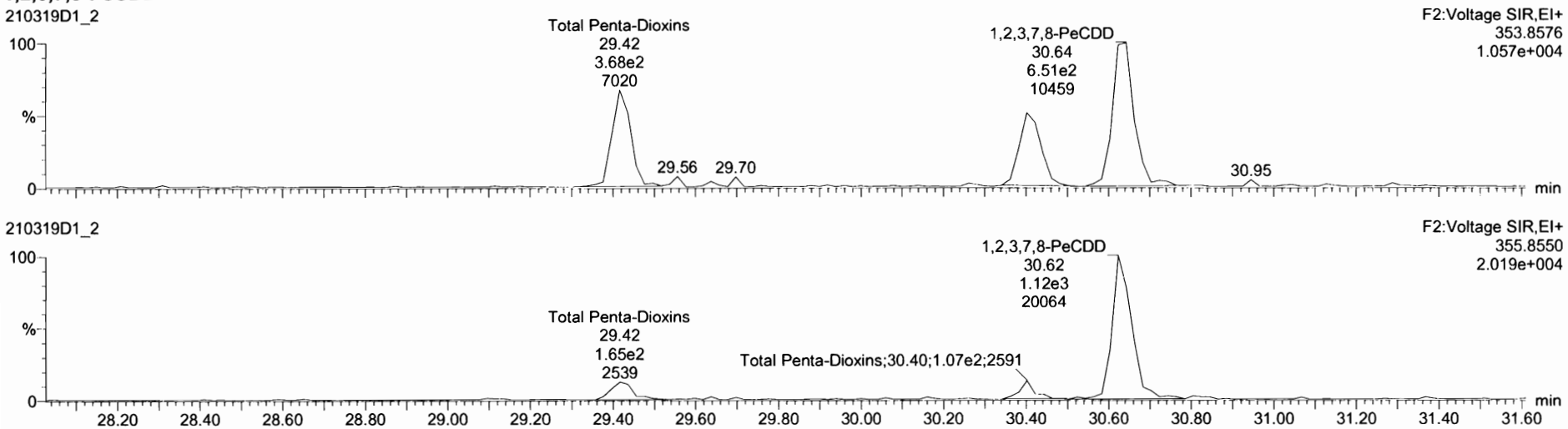
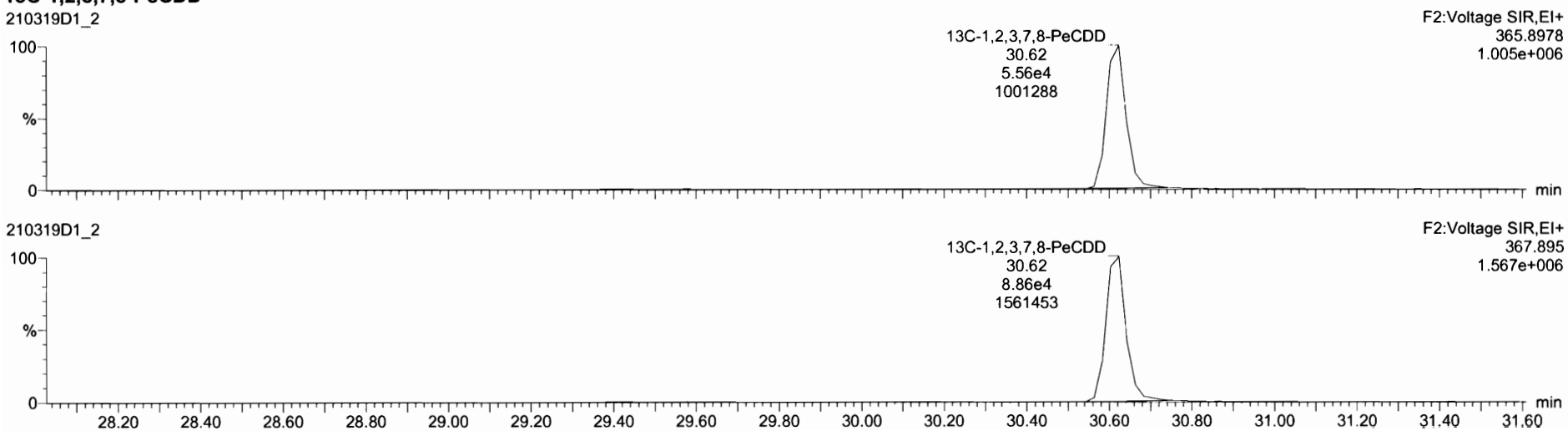
Last Altered: Monday, March 22, 2021 15:03:48 Pacific Daylight Time
Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

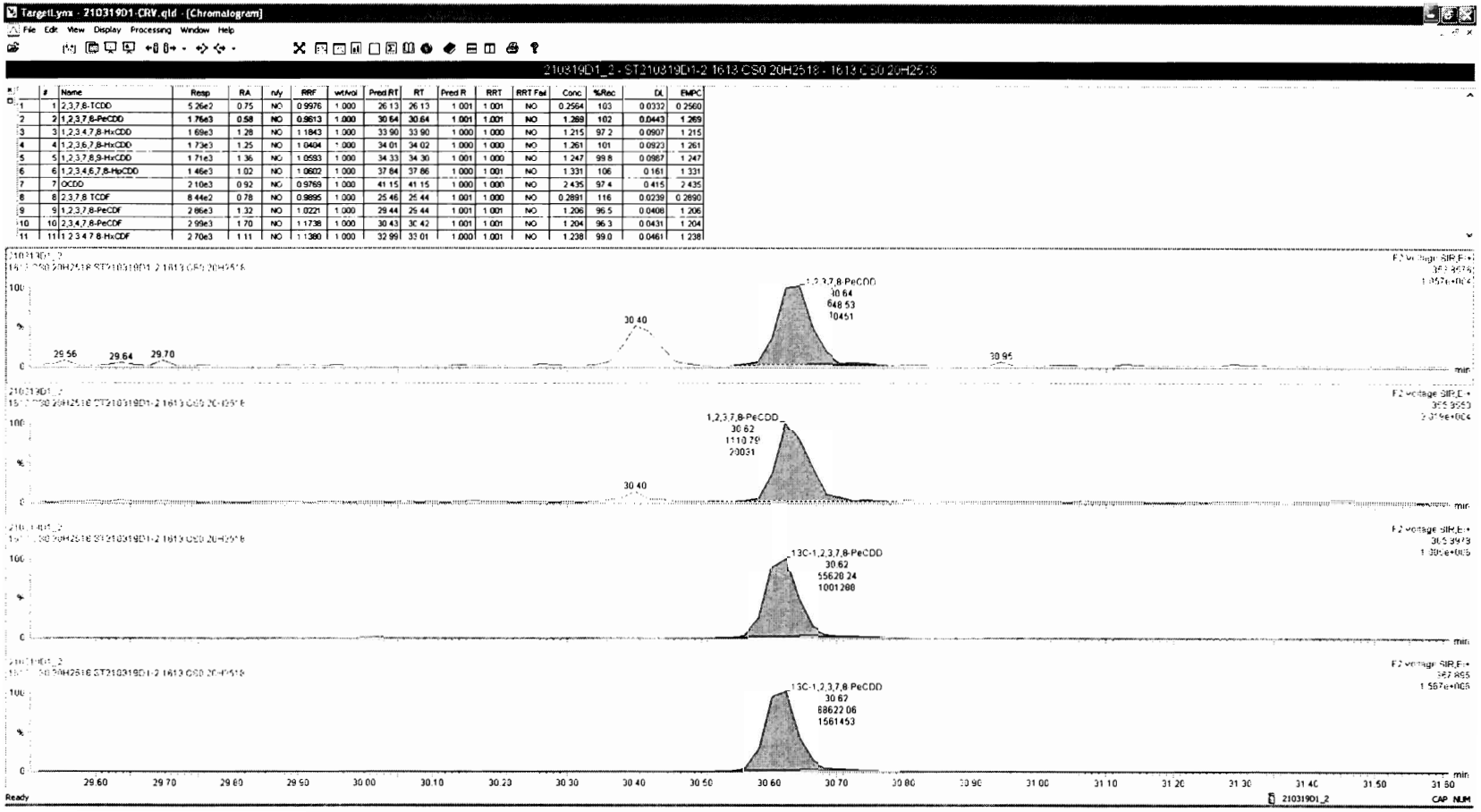
Name: 210319D1_2, Date: 19-Mar-2021, Time: 08:06:08, ID: ST210319D1-2 1613 CS0 20H2518, Description: 1613 CS0 20H2518

1,2,3,7,8-PeCDD



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





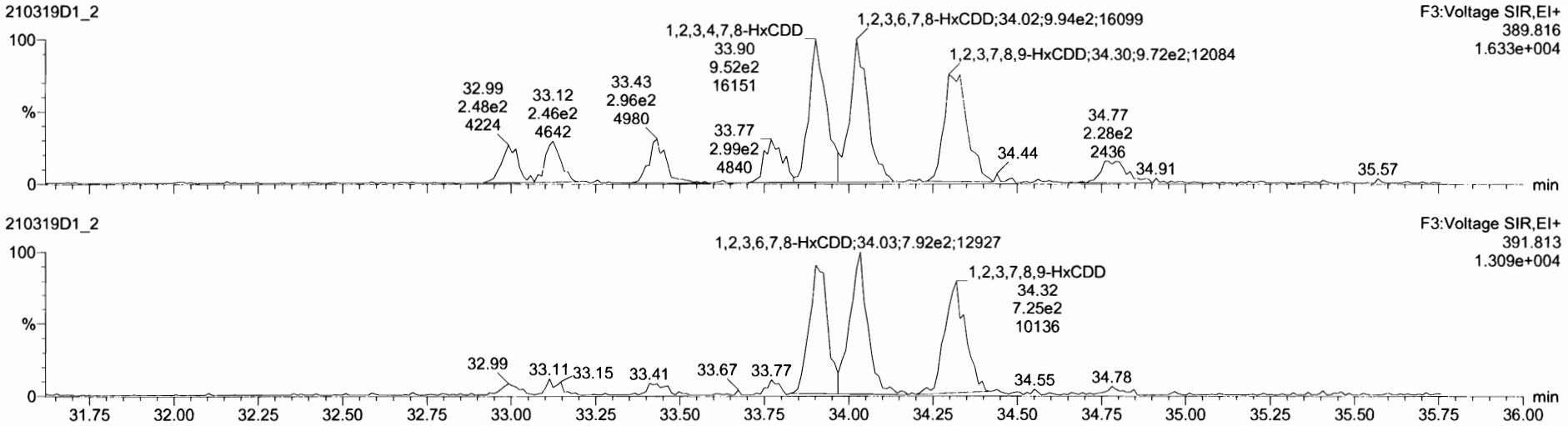
	#	Name	Resp	RA	rdy	RRF	wtVol	Pred RT	RT	Pred R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
1	1	2,3,7,8-TCDD	5.26e2	0.75	NO	0.9976	1.000	26.13	26.13	1.001	1.001	NO	0.2564	103	0.0332	0.2560
2	2	1,2,3,7,8-PeCDD	1.76e3	0.58	NO	0.9613	1.000	30.64	30.64	1.001	1.001	NO	1.269	102	0.0443	1.269
3	3	1,2,3,4,7,8-HxCDD	1.69e3	1.28	NO	1.1843	1.000	33.90	33.90	1.000	1.000	NO	1.215	97.2	0.0907	1.215
4	4	1,2,3,6,7,8-HxCDD	1.73e3	1.25	NO	1.0404	1.000	34.01	34.02	1.000	1.000	NO	1.261	101	0.0923	1.261
5	5	1,2,3,7,8,9-HxCDD	1.71e3	1.36	NO	1.0593	1.000	34.33	34.30	1.001	1.000	NO	1.247	99.8	0.0987	1.247
6	6	1,2,3,4,6,7,8-HpCDD	1.46e3	1.02	NO	1.0602	1.000	37.84	37.86	1.000	1.001	NO	1.331	106	0.161	1.331
7	7	OCDD	2.10e3	0.92	NO	0.9769	1.000	41.15	41.15	1.000	1.000	NO	2.435	97.4	0.415	2.435
8	8	2,3,7,8-TCDF	8.44e2	0.78	NO	0.9895	1.000	25.46	25.44	1.001	1.000	NO	0.2891	116	0.0239	0.2890
9	9	1,2,3,7,8-PeCDF	2.66e3	1.32	NO	1.0221	1.000	29.44	29.44	1.001	1.001	NO	1.206	96.5	0.0408	1.206
10	10	2,3,4,7,8-PeCDF	2.99e3	1.70	NO	1.1738	1.000	30.43	30.42	1.001	1.001	NO	1.204	96.3	0.0431	1.204
11	11	1,2,3,4,7,8-HxCDF	2.70e3	1.11	NO	1.1380	1.000	32.99	33.01	1.000	1.001	NO	1.238	99.0	0.0461	1.238

Dataset: Untitled

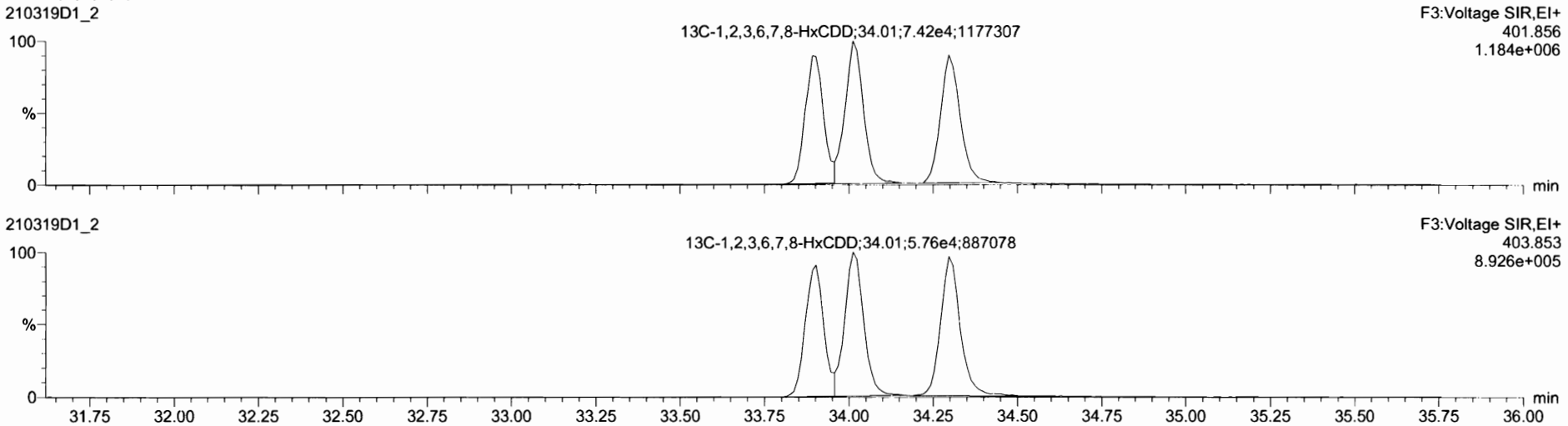
Last Altered: Monday, March 22, 2021 15:03:48 Pacific Daylight Time
Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

Name: 210319D1_2, Date: 19-Mar-2021, Time: 08:06:08, ID: ST210319D1-2 1613 CS0 20H2518, Description: 1613 CS0 20H2518

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



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

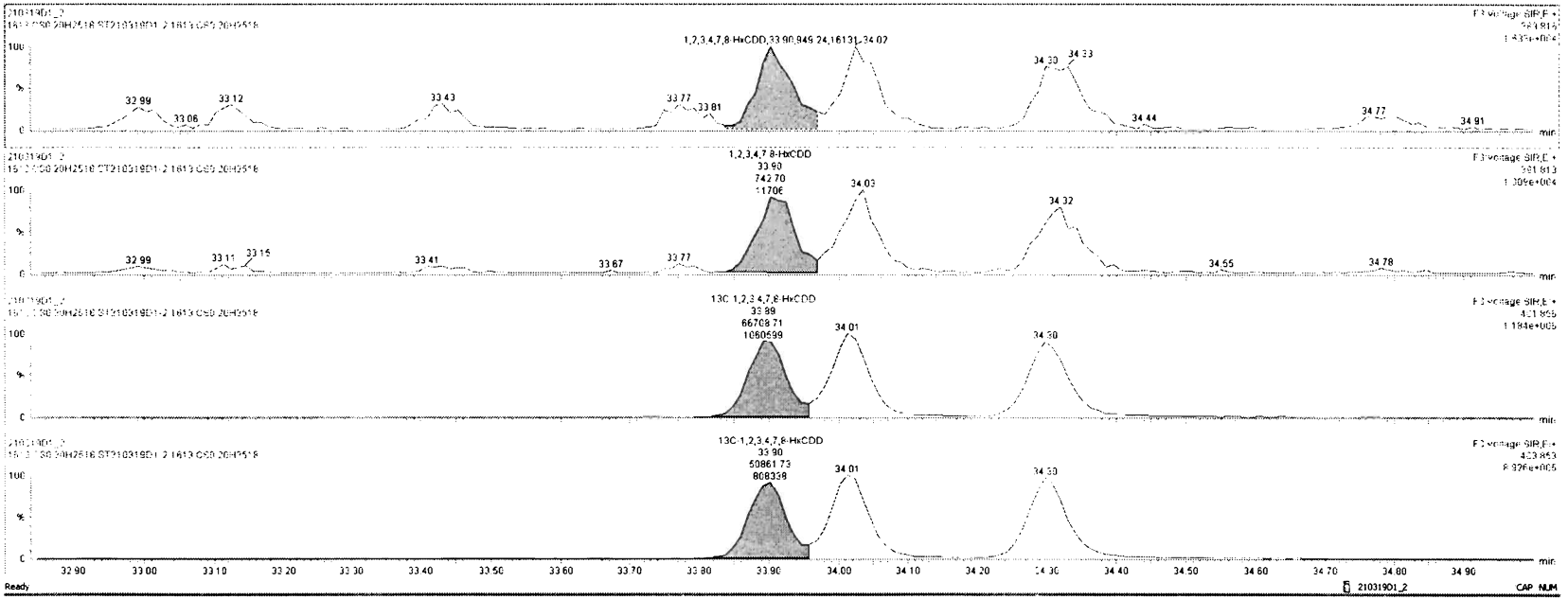


TargetLynx - 210319D1-CRV.qld - [Chromatogram]

File Edit View Display Processing Window Help

210319D1_2 - ST210319D1-2 1613-CS0 20H2518 - 1613-CS0 20H2518

	Name	Resp	RA	rvy	RRF	wtAvg	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	5.26e2	0.75	NO	1.00	1.000	26.13	1.001	0.256	103	0.0332	0.256
2	1,2,3,7,8-PeCDD	1.76e3	0.58	NO	0.96	1.000	30.64	1.001	1.27	102	0.0443	1.27
3	1,2,3,4,7,8-HxCDD	1.69e3	1.28	NO	1.18	1.000	33.90	1.000	1.22	97.2	0.0907	1.22
4	1,2,3,6,7,8-HxCDD	1.73e3	1.25	NO	1.04	1.000	34.02	1.000	1.26	101	0.0923	1.26
5	1,2,3,7,8,9-HxCDD	1.71e3	1.36	NO	1.06	1.000	34.30	1.000	1.25	99.8	0.0987	1.25
6	1,2,3,4,6,7,8-HpCDD	1.46e3	1.02	NO	1.06	1.000	37.86	1.001	1.33	106	0.161	1.33
7	OCDD	2.10e3	0.92	NO	0.98	1.000	41.15	1.000	2.43	97.4	0.415	2.44
8	2,3,7,8-TCDF	8.44e2	0.78	NO	0.99	1.000	25.44	1.000	0.289	116	0.0239	0.289
9	1,2,3,7,8-PeCDF	2.86e3	1.32	NO	1.02	1.000	29.44	1.001	1.21	96.5	0.0408	1.21
10	2,3,4,7,8-PeCDF	2.99e3	1.70	NO	1.17	1.000	30.42	1.001	1.20	96.3	0.0431	1.20
11	1,2,3,4,7,8-HxCDF	2.70e3	1.11	NO	1.14	1.000	33.01	1.001	1.24	99.0	0.0461	1.24



Ready

210319D1_2

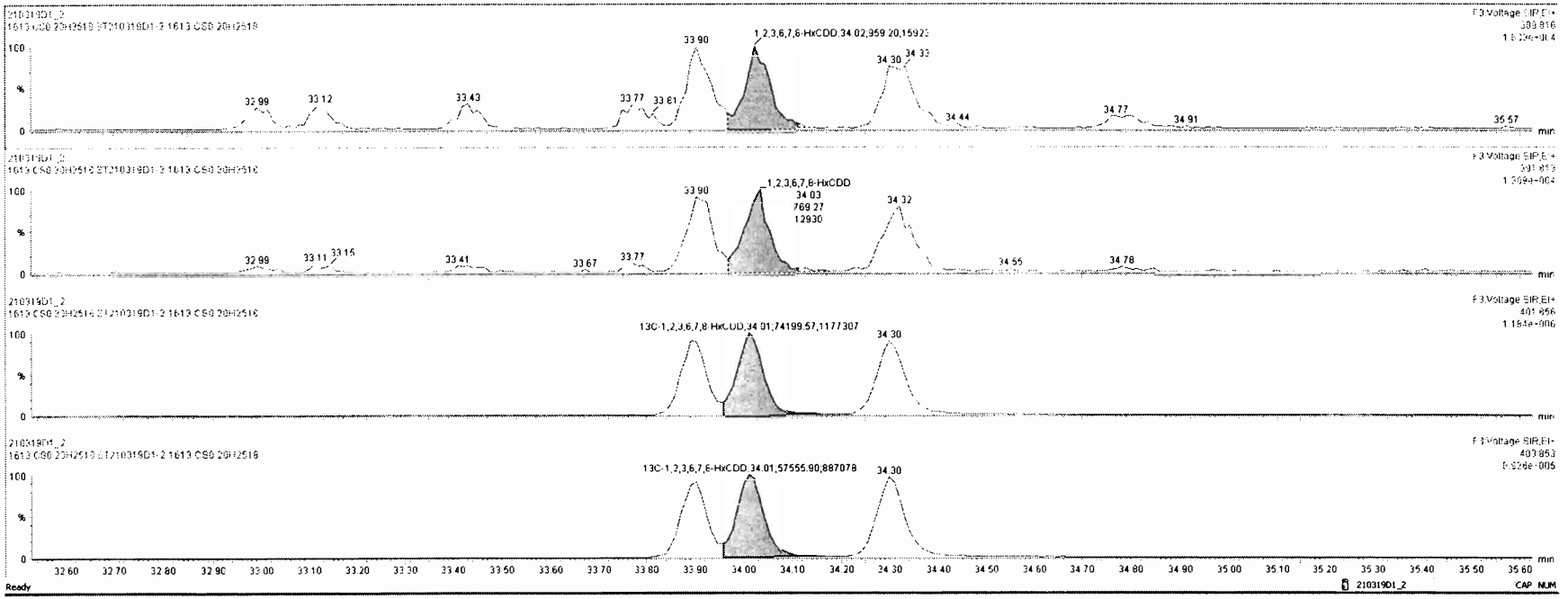
CAP NUM

TargetLynx - 210319D1-CRV.qld - [Chromatogram]

File Edit View Display Processing Window Help

210319D1_2 - ST210319D1-2 1613 CS0 20H2518 - 1613 CS0 20H2518

	Name	Resp	RA	rAy	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	5.26e2	0.75	NC	1.00	1.000	26.13	1.001	0.256	103	0.0332	0.256
2	1,2,3,7,8-PeCDD	1.76e3	0.58	NC	0.96	1.000	30.64	1.001	1.27	102	0.0443	1.27
3	1,2,3,4,7,8-HxCDD	1.69e3	1.28	NO	1.18	1.000	33.90	1.000	1.22	97.2	0.0907	1.22
4	1,2,3,6,7,8-HxCDD	1.73e3	1.25	NO	1.04	1.000	34.02	1.000	1.26	101	0.0923	1.26
5	1,2,3,7,8,9-HxCDD	1.71e3	1.36	NC	1.06	1.000	34.30	1.000	1.25	99.8	0.0987	1.25
6	1,2,3,4,6,7,8-HpCDD	1.46e3	1.02	NC	1.06	1.000	37.86	1.001	1.33	106	0.161	1.33
7	OCDD	2.10e3	0.92	NC	0.98	1.000	41.15	1.000	2.43	97.4	0.415	2.44
8	2,3,7,8-TCDF	8.44e2	0.78	NC	0.99	1.000	25.44	1.000	0.289	116	0.0239	0.289
9	1,2,3,7,8-PeCDF	2.86e3	1.32	NO	1.02	1.000	29.44	1.001	1.21	96.5	0.0408	1.21
10	2,3,4,7,8-PeCDF	2.99e3	1.70	NO	1.17	1.000	30.42	1.001	1.20	96.3	0.0431	1.20
11	1,2,3,4,7,8-HxCDF	2.70e3	1.11	NO	1.14	1.000	33.01	1.001	1.24	99.0	0.0461	1.24

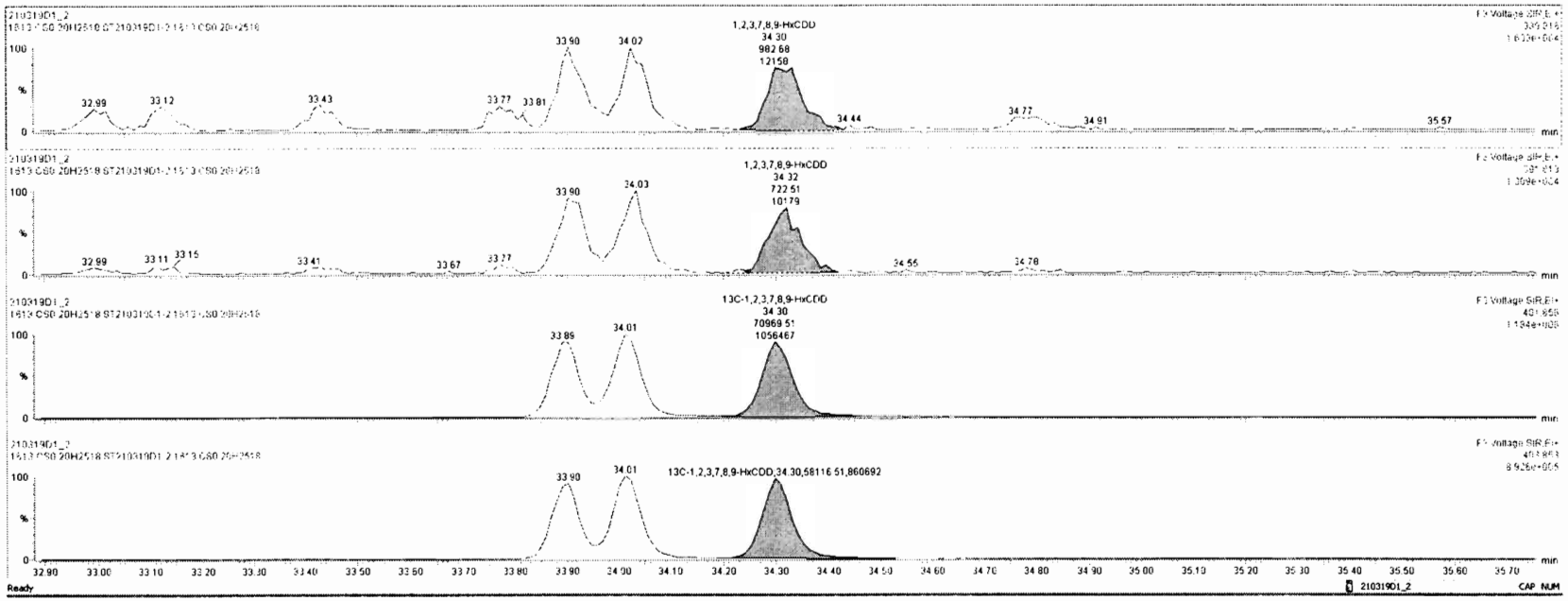


TargetLynx - 21031901-CRV.qld - [Chromatogram]

File Edit View Display Processing Window Help

210319D1_2 - ST210319D1-2 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	2.26e2	0.75	NO	1.00	1.000	26.13	1.001	0.256	103	0.0332	0.256
2	1,2,3,7,8-PeCDD	1.76e3	0.58	NO	0.96	1.000	30.64	1.001	1.27	102	0.0443	1.27
3	1,2,3,4,7,8-HxCDD	1.69e3	1.28	NO	1.13	1.000	33.90	1.000	1.22	97.2	0.0907	1.22
4	1,2,3,6,7,8-HxCDD	1.73e3	1.25	NO	1.04	1.000	34.02	1.000	1.26	101	0.0923	1.26
5	1,2,3,7,8,9-HxCDD	1.71e3	1.36	NO	1.06	1.000	34.30	1.000	1.25	99.8	0.0987	1.25
6	1,2,3,4,6,7,8-HpCDD	1.46e3	1.02	NO	1.05	1.000	37.86	1.001	1.33	106	0.161	1.33
7	OCDD	2.10e3	0.92	NO	0.93	1.000	41.15	1.000	2.43	97.4	0.415	2.44
8	2,3,7,8-TCDF	8.44e2	0.78	NO	0.99	1.000	25.44	1.000	0.289	116	0.0239	0.289
9	1,2,3,7,8-PeCDF	2.86e3	1.32	NO	1.02	1.000	29.44	1.001	1.21	96.5	0.0408	1.21
10	2,3,4,7,8-PeCDF	2.99e3	1.70	NO	1.17	1.000	30.42	1.001	1.20	96.3	0.0431	1.20
11	1,2,3,4,7,8-HxCDF	2.70e3	1.11	NO	1.14	1.000	33.01	1.001	1.24	99.0	0.0461	1.24



Ready

210319D1_2

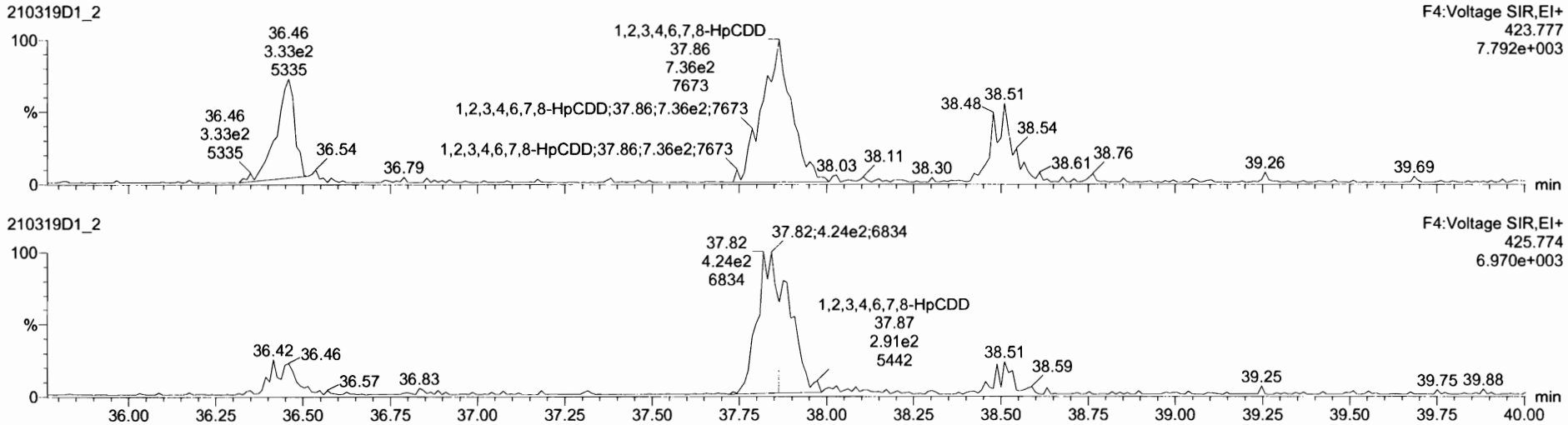
CAP NUM

Dataset: Untitled

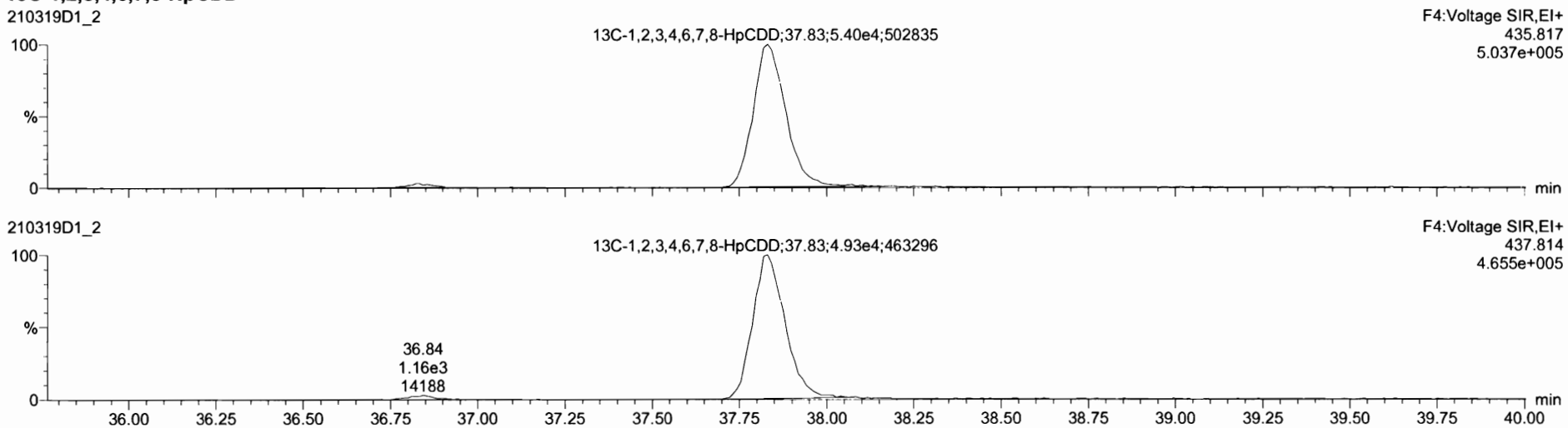
Last Altered: Monday, March 22, 2021 15:03:48 Pacific Daylight Time
Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

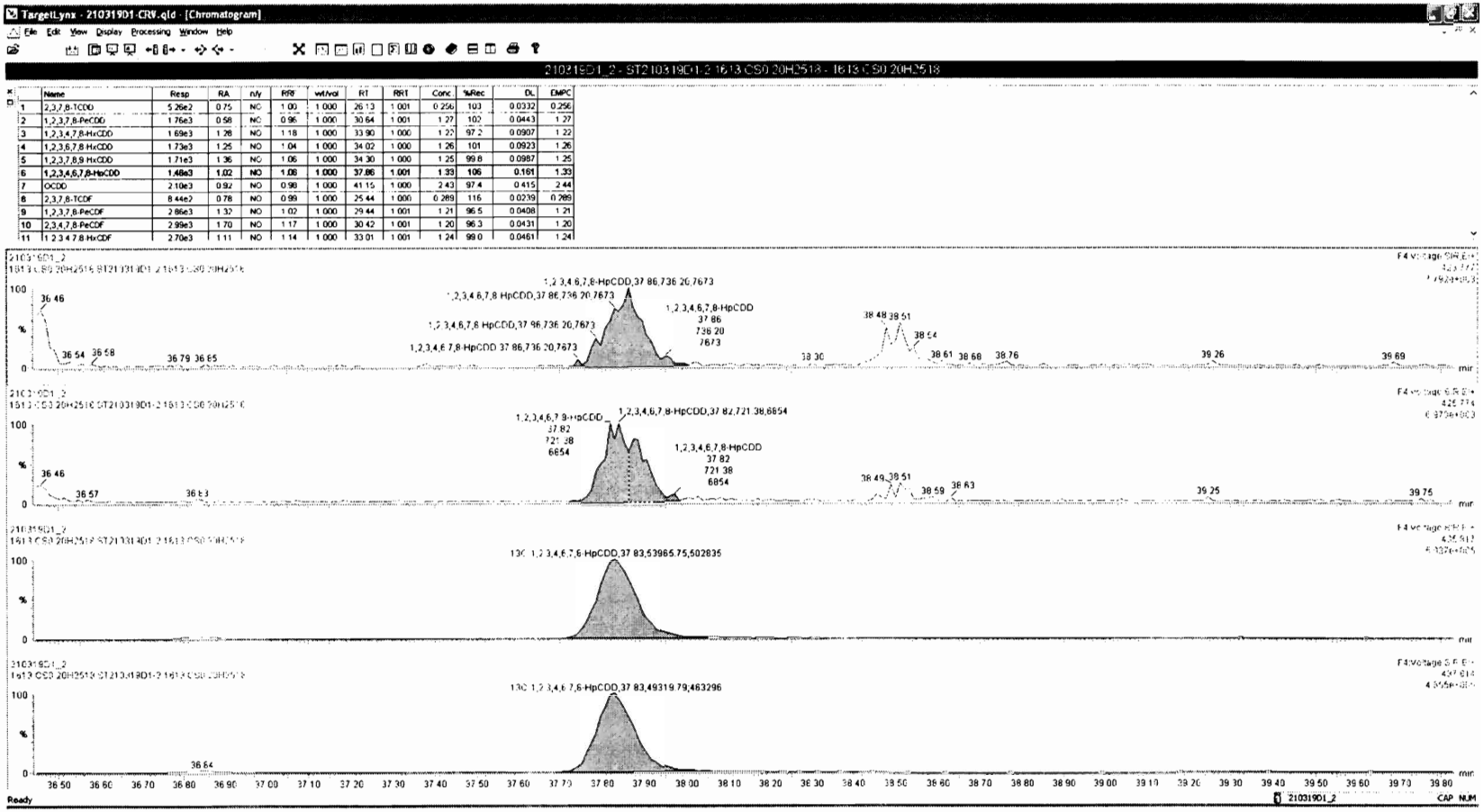
Name: 210319D1_2, Date: 19-Mar-2021, Time: 08:06:08, ID: ST210319D1-2 1613 CS0 20H2518, Description: 1613 CS0 20H2518

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



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





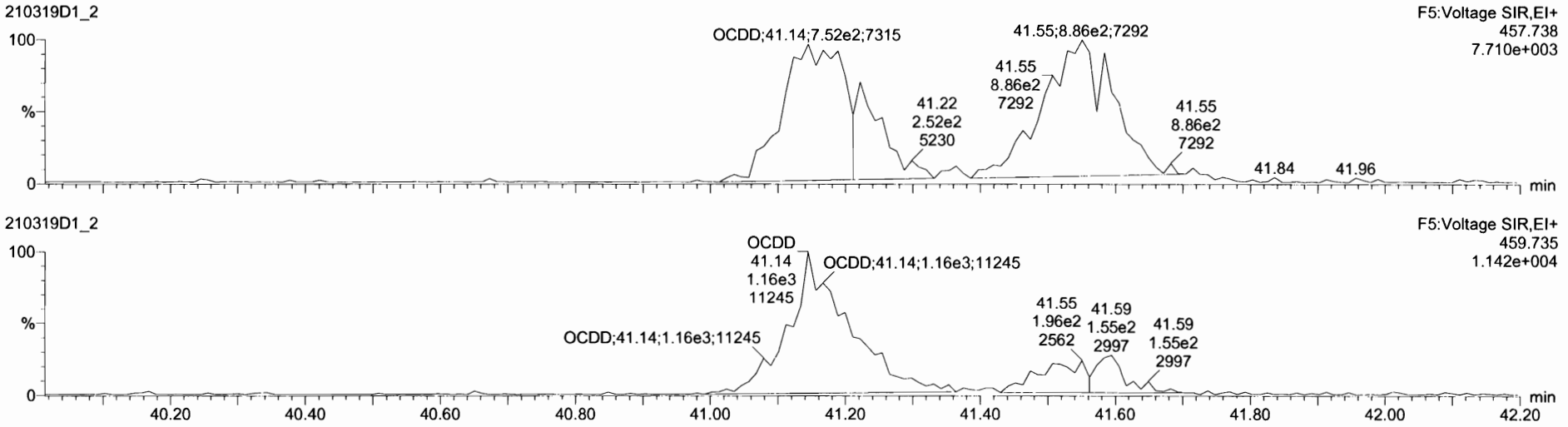
	Name	Resp	RA	n/y	RRf	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	5.26e2	0.75	NO	1.00	1.000	26.13	1.001	0.256	103	0.0332	0.256
2	1,2,3,7,8-PeCDD	1.76e3	0.58	NO	0.96	1.000	30.64	1.001	1.27	102	0.0443	1.27
3	1,2,3,4,7,8-HxCDD	1.69e3	1.28	NO	1.18	1.000	33.90	1.000	1.22	97.2	0.0907	1.22
4	1,2,3,6,7,8-HxCDD	1.73e3	1.25	NO	1.04	1.000	34.02	1.000	1.26	101	0.0923	1.26
5	1,2,3,7,8,9-HxCDD	1.71e3	1.36	NO	1.06	1.000	34.30	1.000	1.25	99.8	0.0987	1.25
6	**1,2,3,4,6,7,8-HpCDD**	**1.48e3**	**1.02**	**NO**	**1.08**	**1.000**	**37.86**	**1.001**	**1.33**	**106**	**0.161**	**1.33**
7	OCDD	2.10e3	0.92	NO	0.98	1.000	41.15	1.000	2.43	97.4	0.415	2.44
8	2,3,7,8-TCDF	8.44e2	0.78	NO	0.99	1.000	25.44	1.000	0.289	116	0.0239	0.289
9	1,2,3,7,8-PeCDF	2.86e3	1.32	NO	1.02	1.000	29.44	1.001	1.21	96.5	0.0408	1.21
10	2,3,4,7,8-PeCDF	2.99e3	1.70	NO	1.17	1.000	30.42	1.001	1.20	96.3	0.0431	1.20
11	1,2,3,4,7,8-HxCDF	2.70e3	1.11	NO	1.14	1.000	33.01	1.001	1.24	99.0	0.0461	1.24

Dataset: Untitled

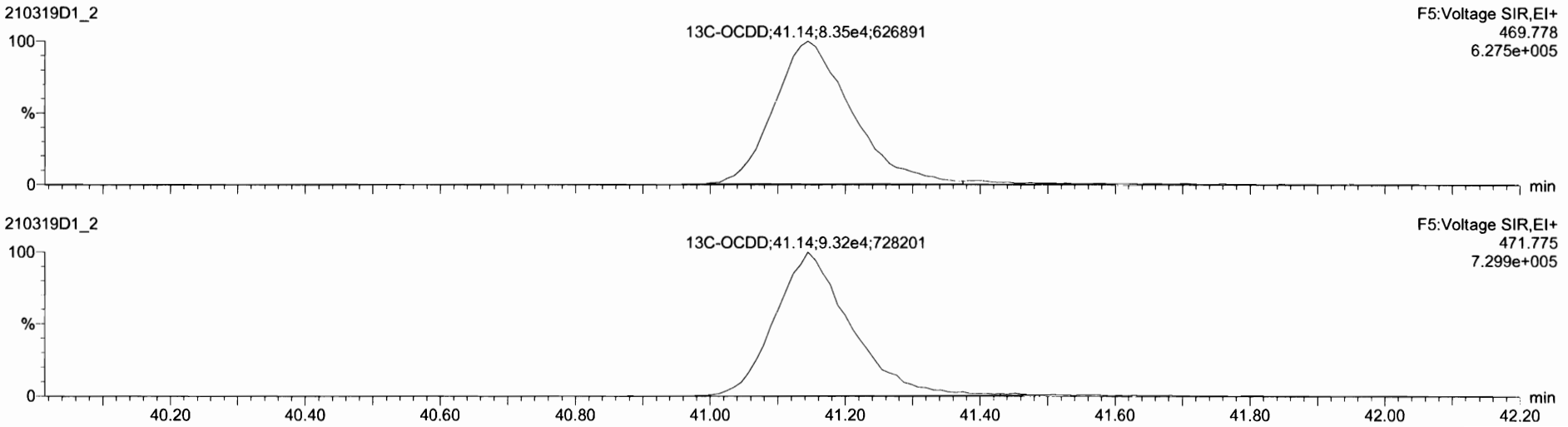
Last Altered: Monday, March 22, 2021 15:03:48 Pacific Daylight Time
Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

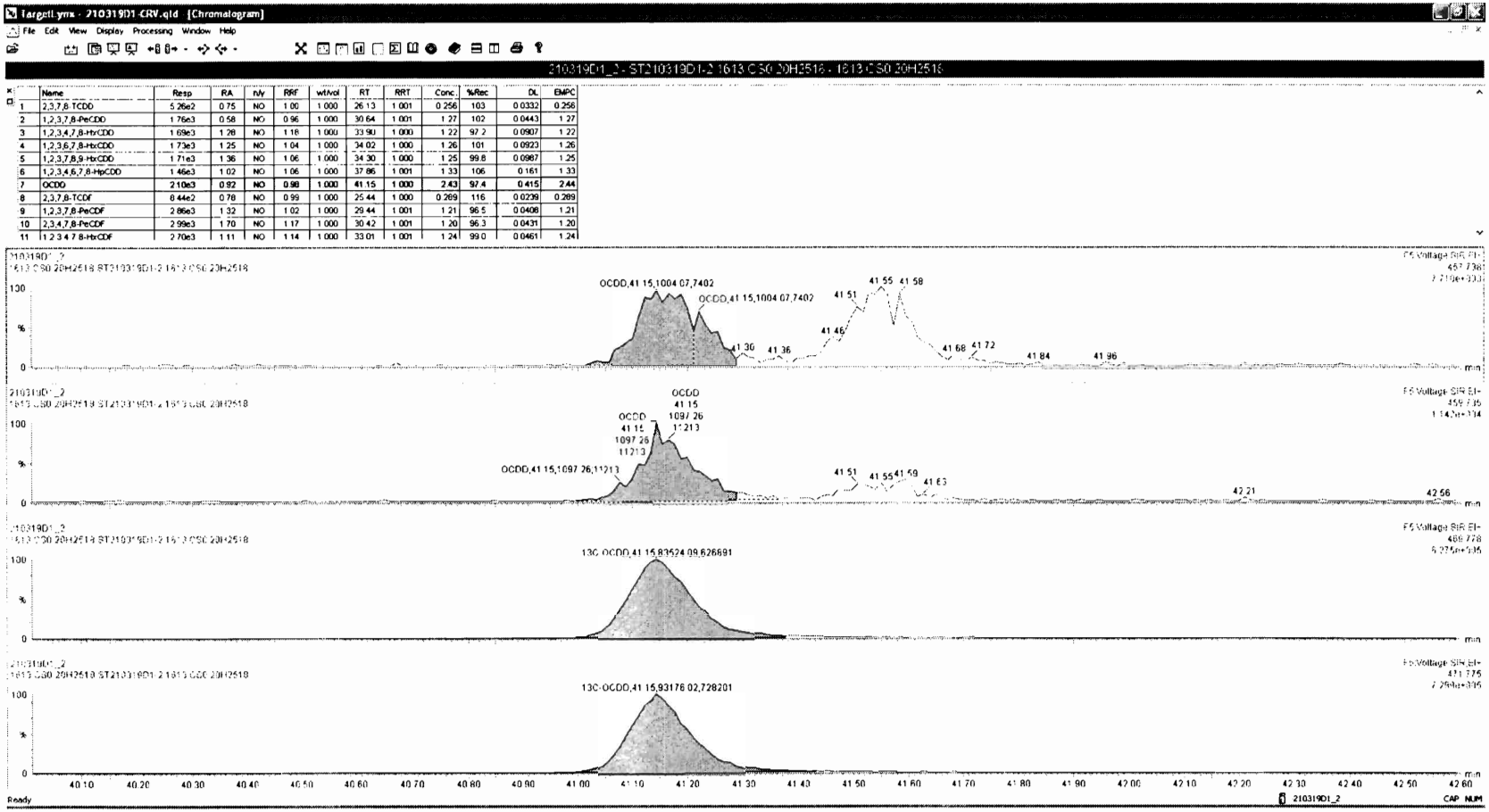
Name: 210319D1_2, Date: 19-Mar-2021, Time: 08:06:08, ID: ST210319D1-2 1613 CS0 20H2518, Description: 1613 CS0 20H2518

OCDD



13C-OCDD





	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	5.26e2	0.75	NO	1.00	1.000	26.13	1.001	0.256	103	0.0332	0.256
2	1,2,3,7,8-PeCDD	1.76e3	0.58	NO	0.96	1.000	30.64	1.001	1.27	102	0.0443	1.27
3	1,2,3,4,7,8-HxCDD	1.69e3	1.28	NO	1.18	1.000	33.90	1.000	1.22	97.2	0.0907	1.22
4	1,2,3,6,7,8-HxCDD	1.73e3	1.25	NO	1.04	1.000	34.02	1.000	1.26	101	0.0923	1.26
5	1,2,3,7,8,9-HxCDD	1.71e3	1.36	NO	1.06	1.000	34.30	1.000	1.25	99.8	0.0987	1.25
6	1,2,3,4,6,7,8-HpCDD	1.46e3	1.02	NO	1.06	1.000	37.86	1.001	1.33	106	0.161	1.33
7	OCDD	2.10e3	0.92	NO	0.98	1.000	41.15	1.000	2.43	97.4	0.415	2.44
8	2,3,7,8-TCDF	8.44e2	0.78	NO	0.99	1.000	25.44	1.000	0.269	116	0.0239	0.269
9	1,2,3,7,8-PeCDF	2.86e3	1.32	NO	1.02	1.000	29.44	1.001	1.21	96.5	0.0408	1.21
10	2,3,4,7,8-PeCDF	2.99e3	1.70	NO	1.17	1.000	30.42	1.001	1.20	96.3	0.0431	1.20
11	1,2,3,4,7,8-HxCDF	2.70e3	1.11	NO	1.14	1.000	33.01	1.001	1.24	99.0	0.0461	1.24

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Last Altered: Monday, March 22, 2021 15:03:48 Pacific Daylight Time
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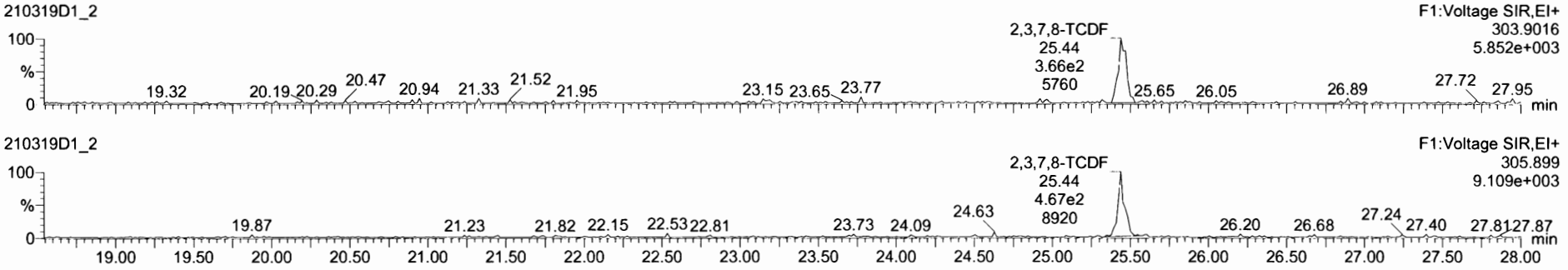
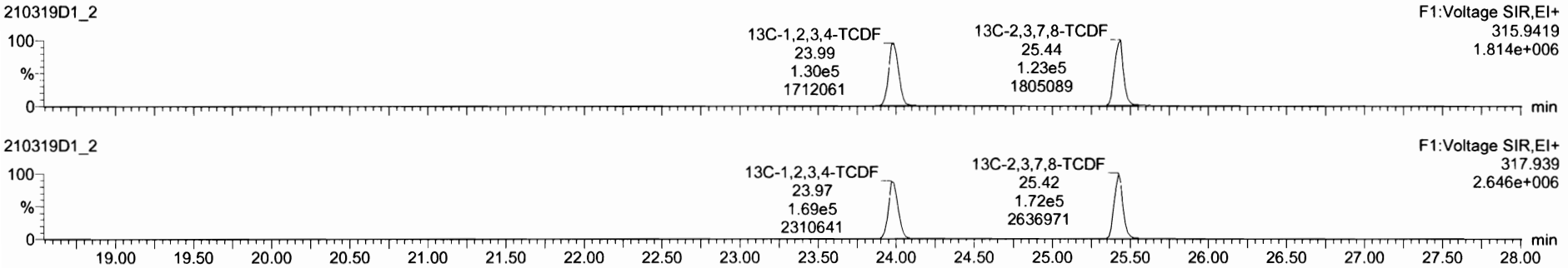
Name: 210319D1_2, Date: 19-Mar-2021, Time: 08:06:08, ID: ST210319D1-2 1613 CS0 20H2518, Description: 1613 CS0 20H2518

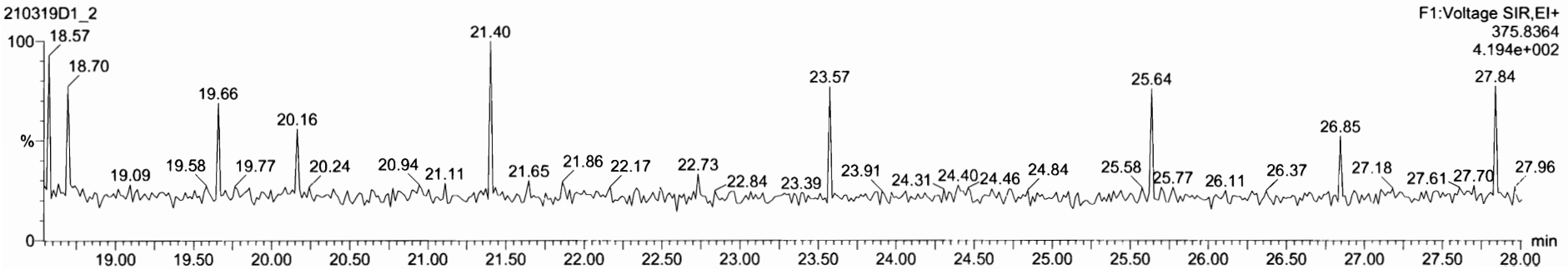
2,3,7,8-TCDF

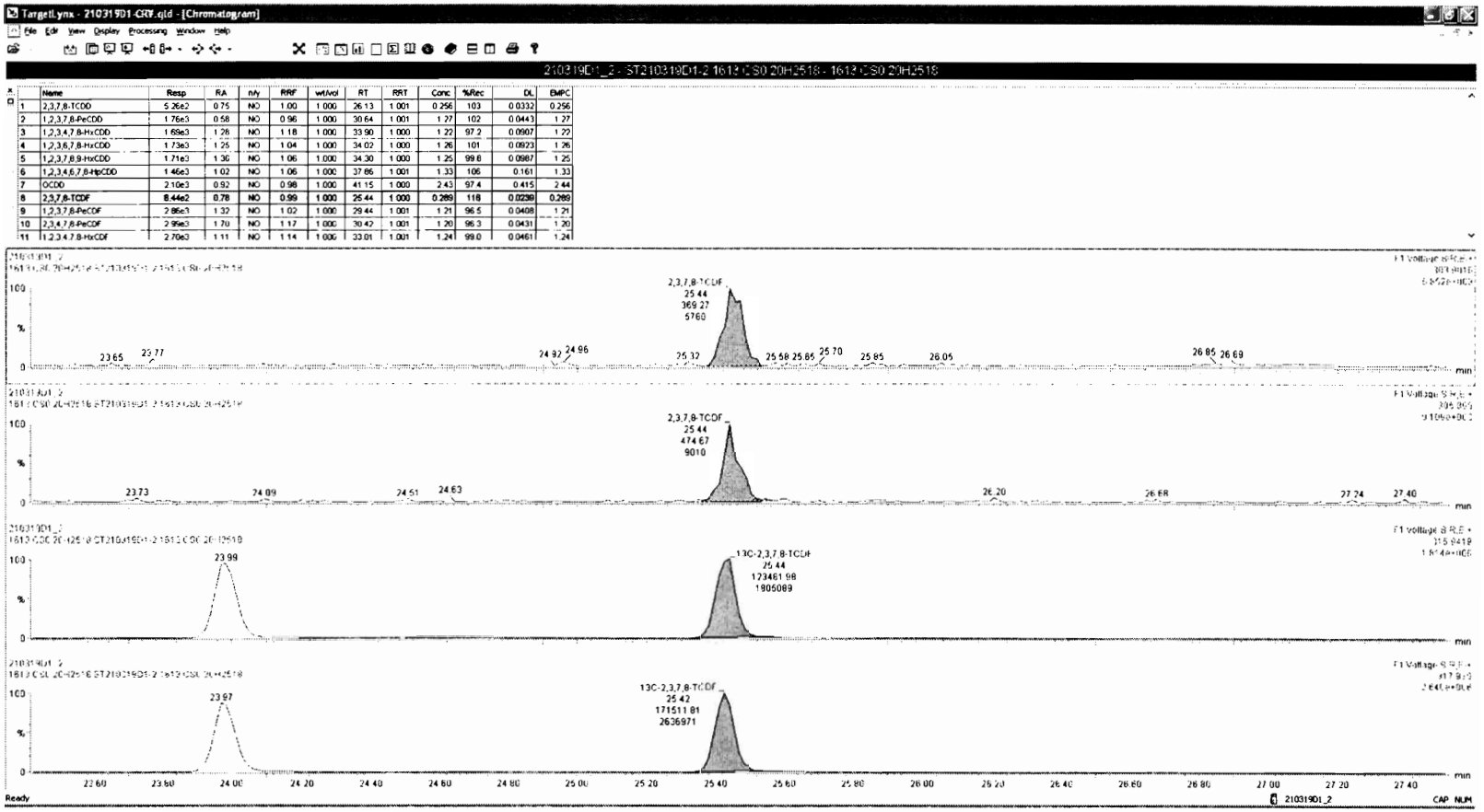


13C-2,3,7,8-TCDF



DPE1





	Name	Resp	RA	n/y	RRF	wtAvl	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	5.26e2	0.75	NO	1.00	1.000	26.13	1.001	0.256	103	0.0332	0.256
2	1,2,3,7,8-PeCDD	1.76e3	0.58	NO	0.96	1.000	30.64	1.001	1.27	102	0.0443	1.27
3	1,2,3,4,7,8-HxCDD	1.69e3	1.28	NO	1.18	1.000	33.90	1.000	1.22	97.2	0.0907	1.22
4	1,2,3,6,7,8-HxCDD	1.73e3	1.25	NO	1.04	1.000	34.02	1.000	1.26	101	0.0923	1.26
5	1,2,3,7,8,9-HxCDD	1.71e3	1.36	NO	1.06	1.000	34.30	1.000	1.25	99.8	0.0987	1.25
6	1,2,3,4,6,7,8-HpCDD	1.46e3	1.02	NO	1.06	1.000	37.86	1.001	1.33	106	0.161	1.33
7	OCDD	2.10e3	0.92	NO	0.98	1.000	41.15	1.000	2.43	97.4	0.415	2.44
8	2,3,7,8-TCDF	8.44e2	0.78	NO	0.99	1.000	25.44	1.000	0.289	116	0.0239	0.289
9	1,2,3,7,8-PeCDF	2.86e3	1.32	NO	1.02	1.000	29.44	1.001	1.21	96.5	0.0408	1.21
10	2,3,4,7,8-PeCDF	2.95e3	1.70	NO	1.17	1.000	30.42	1.001	1.20	96.3	0.0431	1.20
11	1,2,3,4,7,8-HxCDF	2.70e3	1.11	NO	1.14	1.000	33.01	1.001	1.24	99.0	0.0461	1.24

Dataset: Untitled

Last Altered: Monday, March 22, 2021 15:03:48 Pacific Daylight Time
Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

Name: 210319D1_2, Date: 19-Mar-2021, Time: 08:06:08, ID: ST210319D1-2 1613 CS0 20H2518, Description: 1613 CS0 20H2518

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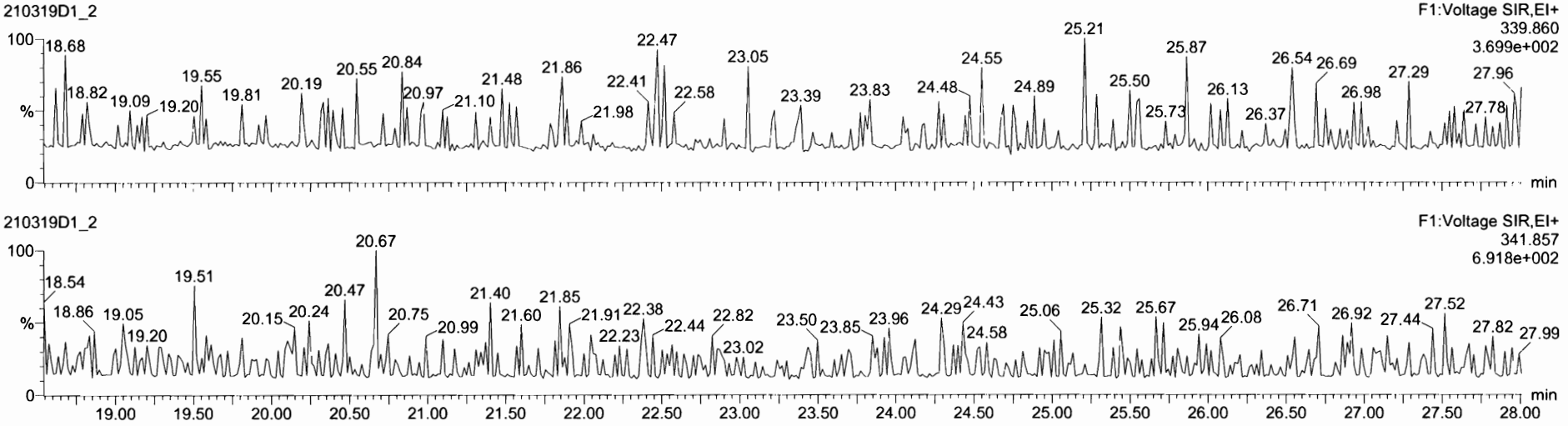
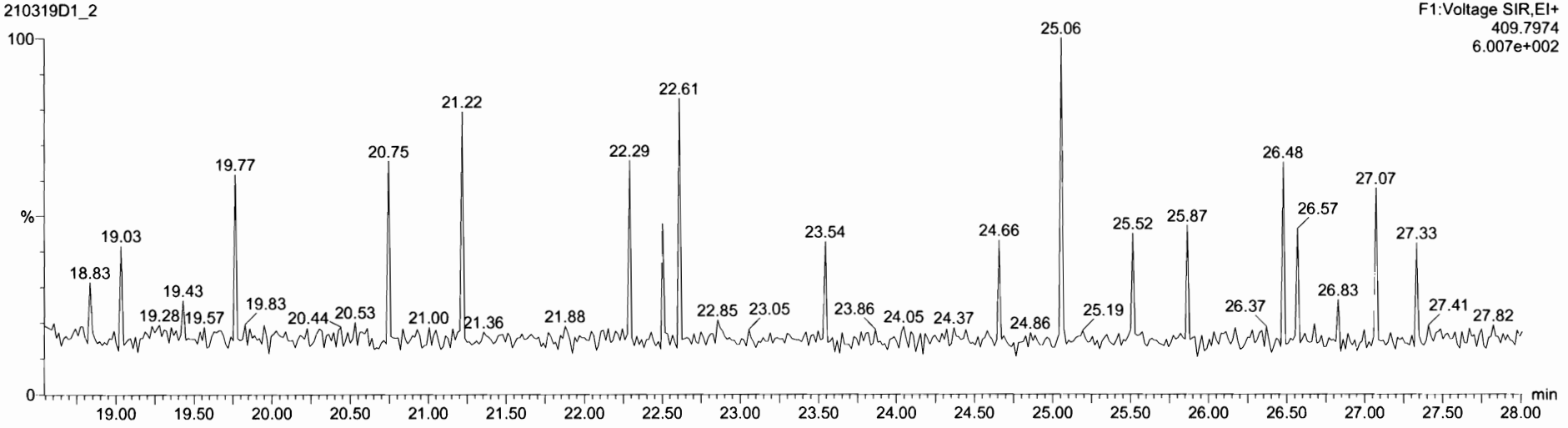


DPE6

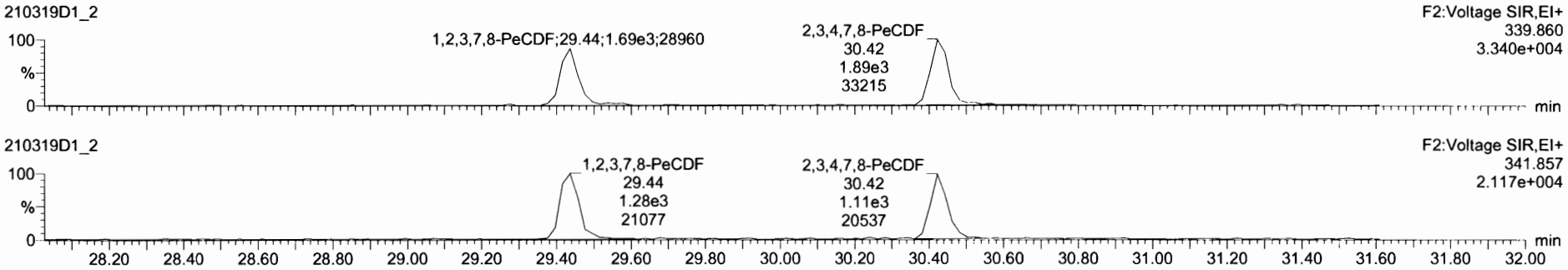


Dataset: Untitled

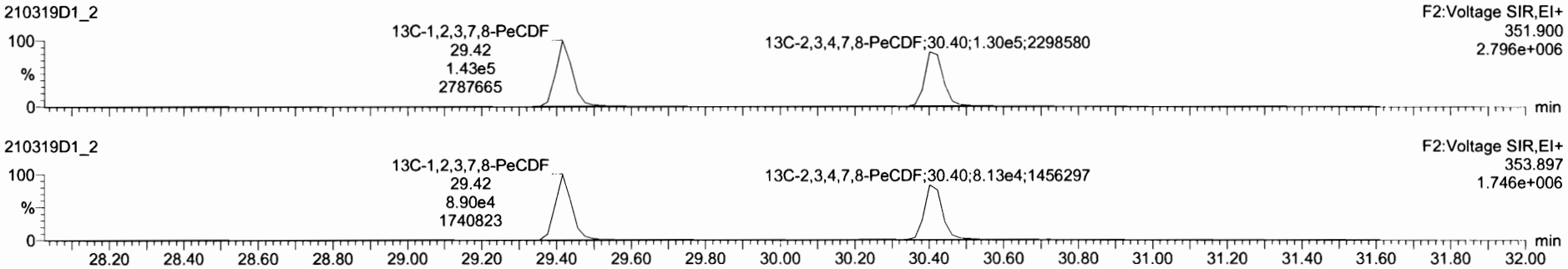
Last Altered: Monday, March 22, 2021 15:03:48 Pacific Daylight Time
Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

Name: 210319D1_2, Date: 19-Mar-2021, Time: 08:06:08, ID: ST210319D1-2 1613 CS0 20H2518, Description: 1613 CS0 20H2518

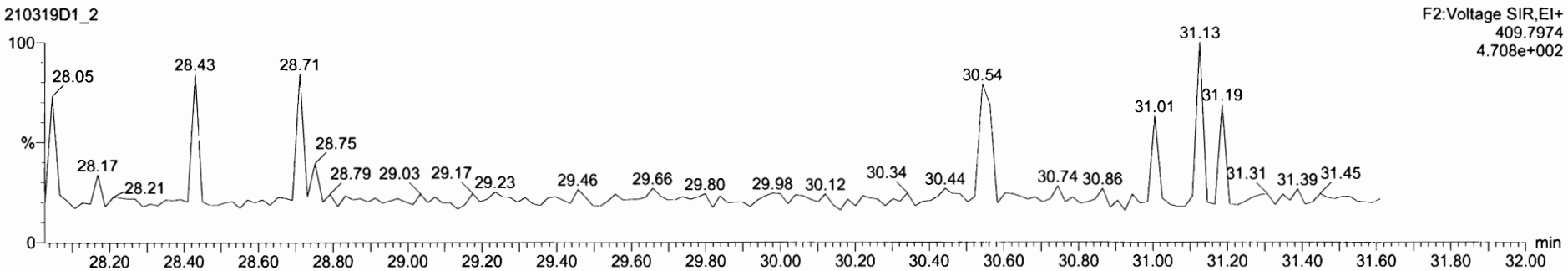
1,2,3,7,8-PeCDF

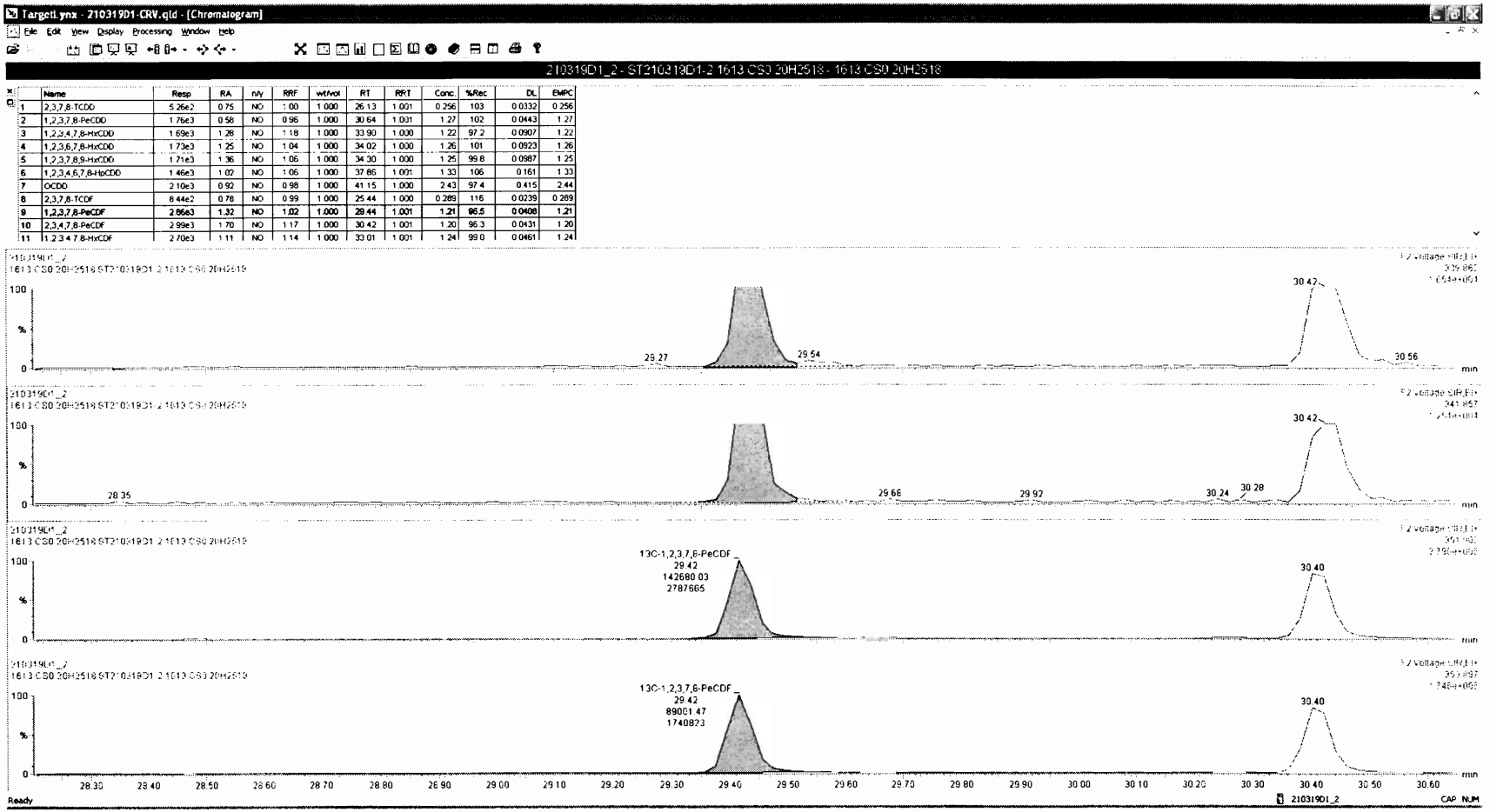


13C-1,2,3,7,8-PeCDF



DPE2



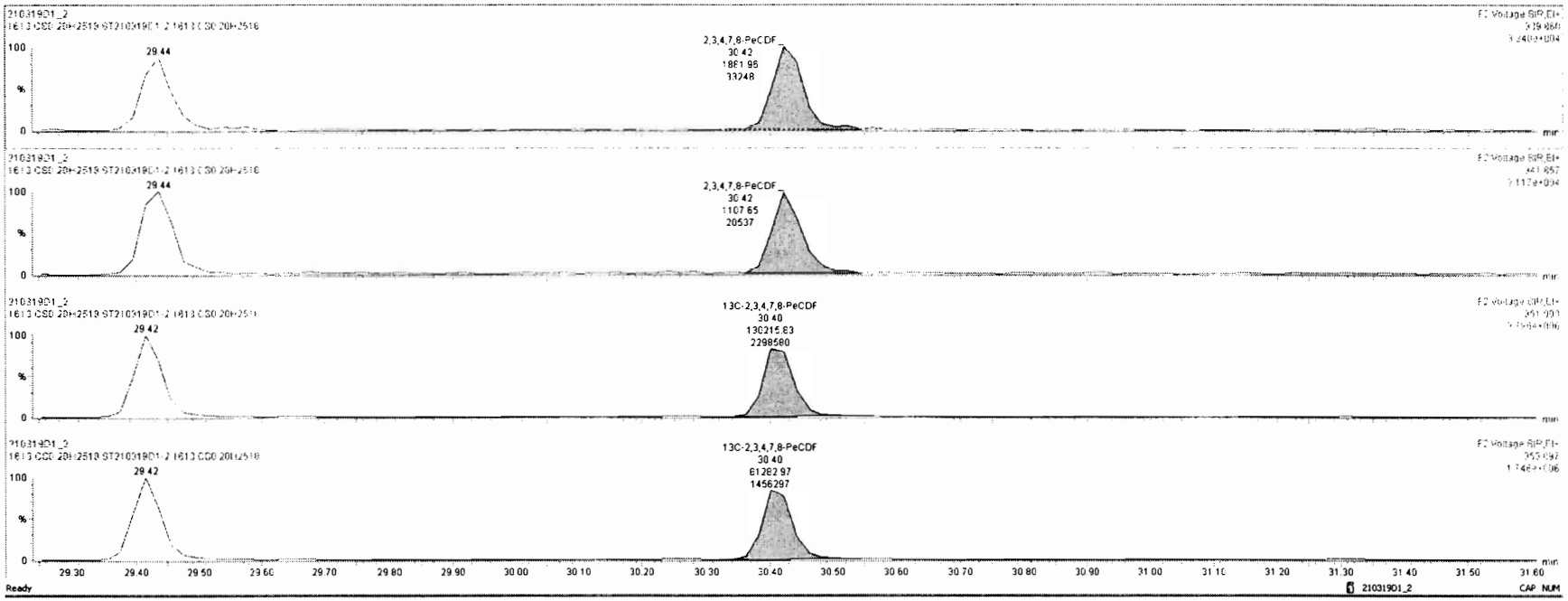

TargetLynx - 210319D1-CRV.qld - [Chromatogram]
File Edit View Display Processing Window Help
210319D1_2 - ST210319D1-2 1613 CSD 20H2518 - 1613 CSD 20H2518
Name | Resp | RA | n/y | RRF | wt/vol | RT | RRT | Conc. | %Rec | DL | EMPC
1 2,3,7,8-TCDD | 5 26e2 | 0 75 | NO | 1 00 | 1 000 | 26 13 | 1 001 | 0 256 | 103 | 0 0332 | 0 256
2 1,2,3,7,8-PeCDD | 1 76e3 | 0 58 | NO | 0 96 | 1 000 | 30 64 | 1 001 | 1 27 | 102 | 0 0443 | 1 27
3 1,2,3,4,7,8-HxCDD | 1 69e3 | 1 28 | NO | 1 18 | 1 000 | 33 90 | 1 000 | 1 22 | 97 2 | 0 0907 | 1 22
4 1,2,3,6,7,8-HxCDD | 1 73e3 | 1 25 | NO | 1 04 | 1 000 | 34 02 | 1 000 | 1 26 | 101 | 0 0923 | 1 26
5 1,2,3,7,8,9-HxCDD | 1 71e3 | 1 36 | NO | 1 06 | 1 000 | 34 30 | 1 000 | 1 25 | 99 8 | 0 0987 | 1 25
6 1,2,3,4,6,7,8-HpCDD | 1 46e3 | 1 02 | NO | 1 06 | 1 000 | 37 86 | 1 001 | 1 33 | 106 | 0 161 | 1 33
7 OCDD | 2 10e3 | 0 92 | NO | 0 98 | 1 000 | 41 15 | 1 000 | 2 43 | 97 4 | 0 415 | 2 44
8 2,3,7,8-TCDF | 8 44e2 | 0 78 | NO | 0 99 | 1 000 | 25 44 | 1 000 | 0 289 | 116 | 0 0239 | 0 289
9 1,2,3,7,8-PeCDF | 2 86e3 | 1 32 | NO | 1 02 | 1 000 | 29 44 | 1 001 | 1 21 | 96 5 | 0 0408 | 1 21
10 2,3,4,7,8-PeCDF | 2 99e3 | 1 70 | NO | 1 17 | 1 000 | 30 42 | 1 001 | 1 20 | 96 3 | 0 0431 | 1 20
11 1,2,3,4,7,8-HxCDF | 2 70e3 | 1 11 | NO | 1 14 | 1 000 | 33 01 | 1 001 | 1 24 | 99 0 | 0 0461 | 1 24
29.27
29.54
30.42
30.56
28.35
29.66
29.92
30.24
30.28
30.42
13C-1,2,3,7,8-PeCDF
29.42
142680 03
2787665
30.40
13C-1,2,3,7,8-PeCDF
29.42
89001 47
1740823
30.40
min
Ready
210319D1_2
CAP NUM

Target1.ymx - 210319D1-CRV.qld - [Chromatogram]

File Edit View Display Processing Window Help

210319D1_2 - ST210319D1-2 1613 CS0 20H2518 - 1613 CS0 20H2518

	Name	Resp	RA	n/y	RRF	wtAvg	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	5.26e2	0.75	NO	1.00	1.000	26.13	1.001	0.256	103	0.0332	0.256
2	1,2,3,7,8-PeCDD	1.76e3	0.58	NO	0.96	1.000	30.64	1.001	1.27	102	0.0443	1.27
3	1,2,3,4,7,8-HxCDD	1.69e3	1.26	NO	1.16	1.000	33.90	1.000	1.22	97.2	0.0907	1.22
4	1,2,3,6,7,8-HxCDD	1.73e3	1.25	NO	1.04	1.000	34.02	1.000	1.26	101	0.0923	1.26
5	1,2,3,7,8,9-HxCDD	1.71e3	1.36	NO	1.06	1.000	34.30	1.000	1.25	99.6	0.0987	1.25
6	1,2,3,4,6,7,8-HpCDD	1.46e3	1.02	NO	1.06	1.000	37.86	1.001	1.33	106	0.161	1.33
7	OCDD	2.10e3	0.92	NO	0.98	1.000	41.15	1.000	2.43	97.4	0.415	2.44
8	2,3,7,8-TCDF	8.44e2	0.78	NO	0.99	1.000	25.44	1.000	0.289	116	0.0239	0.289
9	1,2,3,7,8-PeCDF	2.86e3	1.32	NO	1.02	1.000	29.44	1.001	1.21	96.5	0.0408	1.21
10	2,3,4,7,8-PeCDF	2.99e3	1.70	NO	1.17	1.000	30.42	1.001	1.20	96.3	0.0431	1.20
11	1,2,3,4,7,8-HxCDF	2.70e3	1.11	NO	1.14	1.000	33.01	1.001	1.24	99.0	0.0461	1.24



Ready

210319D1_2

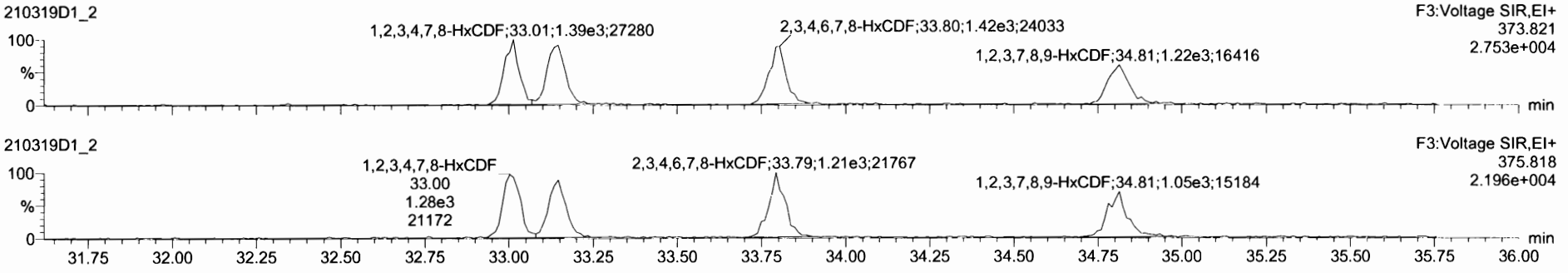
CAP NUM

Dataset: Untitled

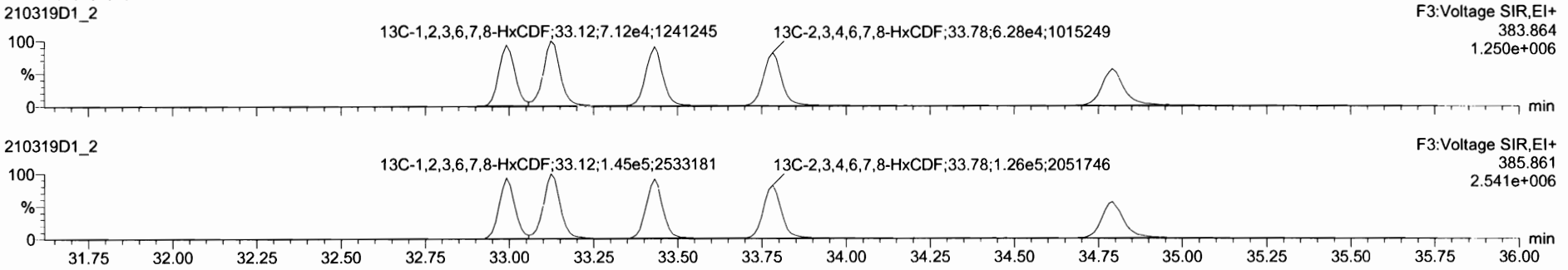
Last Altered: Monday, March 22, 2021 15:03:48 Pacific Daylight Time
Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

Name: 210319D1_2, Date: 19-Mar-2021, Time: 08:06:08, ID: ST210319D1-2 1613 CS0 20H2518, Description: 1613 CS0 20H2518

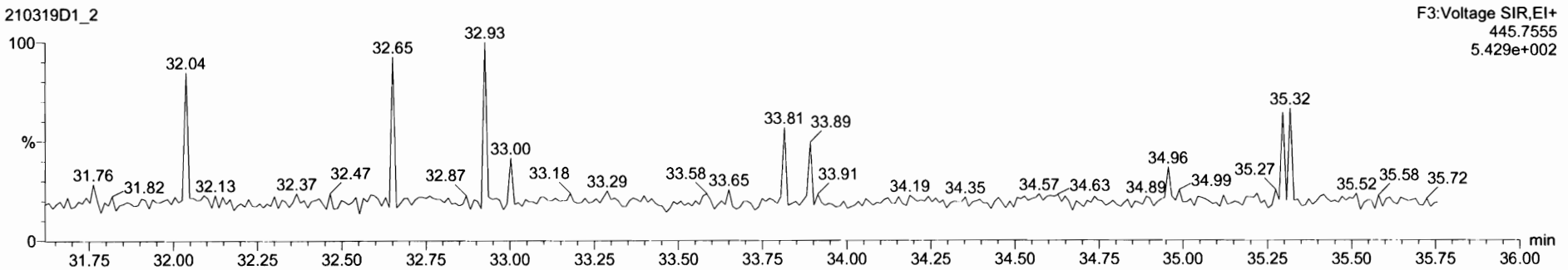
1,2,3,4,7,8-HxCDF



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



DPE3

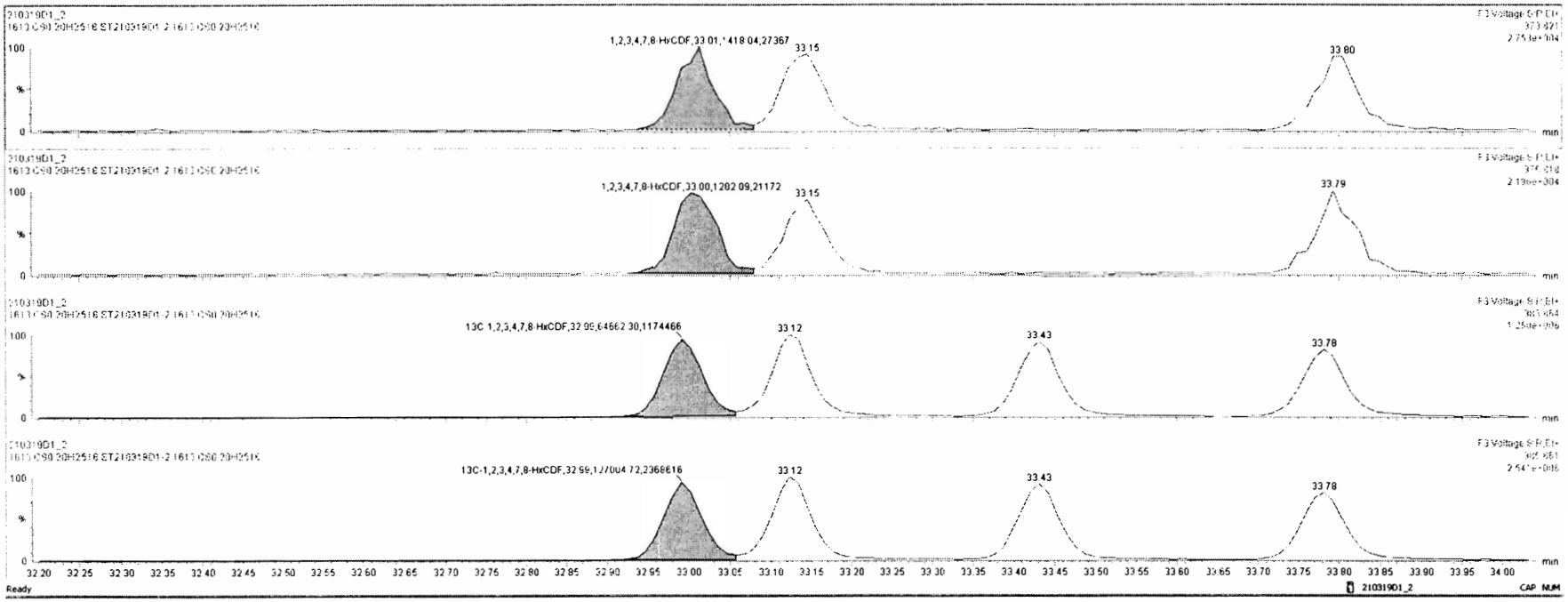


TargetLynx - 210319D1-CRV.qld - [Chromatogram]

File Edit View Display Processing Window Help

210319D1_2 - ST210319D1-2 1613-C50 20H2518 - 1613-C50 20H2518

	Name	Resp	RA	rAy	RRF	wtAvg	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	5.26e2	0.75	NO	1.00	1.000	26.13	1.001	0.256	103	3.0332	0.256
2	1,2,3,7,8-PeCDD	1.76e3	0.58	NO	0.96	1.000	30.64	1.001	1.27	102	3.0443	1.27
3	1,2,3,4,7,8-HxCDD	1.69e3	1.28	NO	1.18	1.000	33.90	1.000	1.22	97.2	3.0907	1.22
4	1,2,3,6,7,8-HxCDD	1.73e3	1.25	NO	1.04	1.000	34.02	1.000	1.26	101	0.0923	1.26
5	1,2,3,7,8,9-HxCDD	1.71e3	1.36	NO	1.06	1.000	34.30	1.000	1.25	99.8	0.0987	1.25
6	1,2,3,4,6,7,8-HpCDD	1.46e3	1.02	NO	1.06	1.000	37.86	1.001	1.33	106	0.161	1.33
7	OCDD	2.10e3	0.92	NO	0.98	1.000	41.15	1.000	2.43	97.4	0.415	2.44
8	2,3,7,8-TCDF	8.44e2	0.78	NO	0.99	1.000	25.44	1.000	0.289	116	0.0239	0.289
9	1,2,3,7,8-PeCDF	2.86e3	1.32	NO	1.02	1.000	29.44	1.001	1.21	96.5	0.0408	1.21
10	2,3,4,7,8-PeCDF	2.99e3	1.70	NO	1.17	1.000	30.42	1.001	1.20	96.3	0.0431	1.20
11	1,2,3,4,7,8-HxCDF	2.70e3	1.11	NO	1.14	1.000	33.01	1.001	1.24	99.0	0.0461	1.24

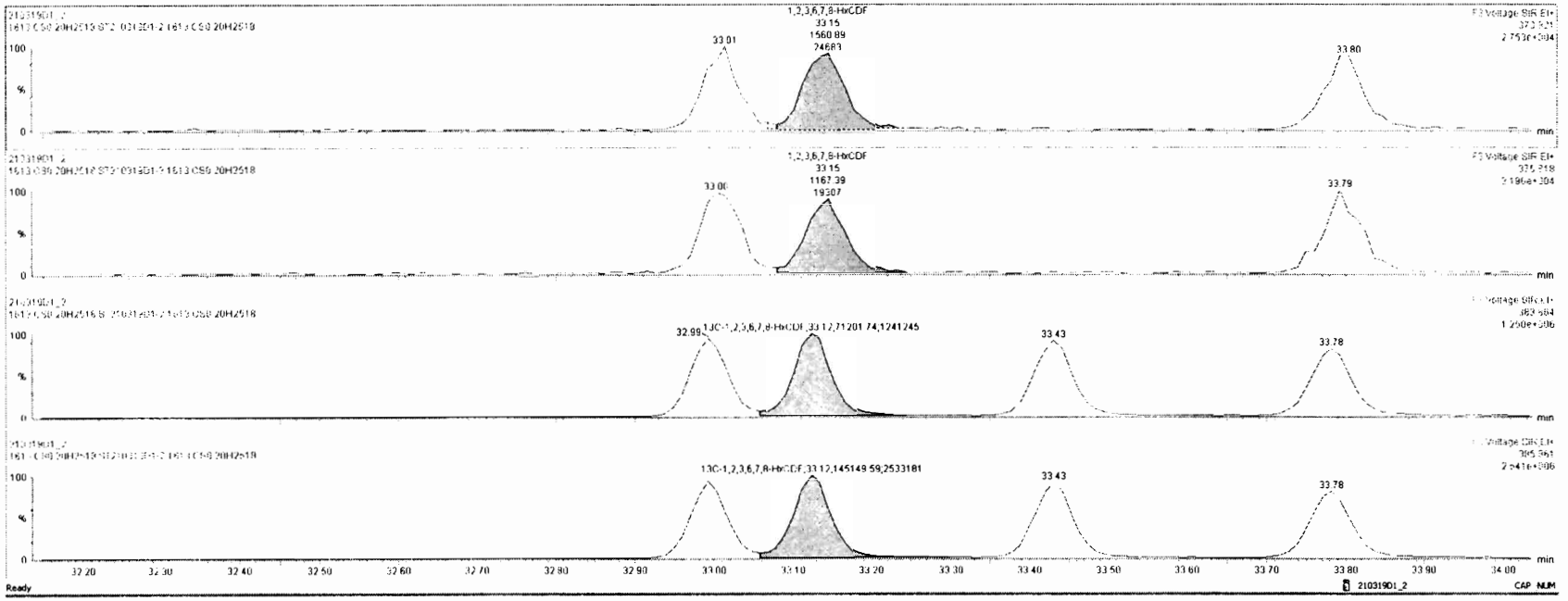


Target1.ynx - 210319D1-CRV.qld - [Chromatogram]

File Edit View Display Processing Window Help

210319D1_2 - ST210319D1-2 1613 CS0 20H2518 - 1613 C S0 20H2518

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
12	1,2,3,6,7,8-HxCDF	2.73e3	1.34	NO	1.04	1.000	33.15	1.001	1.21	98.8	0.0465	1.21
13	2,3,4,6,7,8-HxCDF	2.63e3	1.17	NO	1.13	1.000	33.80	1.001	1.24	98.9	0.0531	1.24
14	1,2,3,7,8,9-HxCDF	2.25e3	1.19	NO	1.07	1.000	34.81	1.001	1.29	103	0.0799	1.29
15	1,2,3,4,6,7,8-HpCDF	1.98e3	0.96	NO	1.11	1.000	36.46	1.000	1.17	93.6	0.0926	1.17
16	1,2,3,4,7,8,9-HpCDF	1.76e3	1.03	NO	1.32	1.000	38.52	1.001	1.24	99.4	0.114	1.24
17	OCDF	3.09e3	0.90	NO	0.93	1.000	41.56	1.000	2.65	106	0.168	2.65
18	13C-2,3,7,8-TCDD	2.06e5	0.76	NO	1.20	1.000	26.10	1.027	98.3	98.3	0.220	
19	13C-1,2,3,7,8-PeCDD	1.44e5	0.63	NO	0.86	1.000	30.62	1.205	95.9	95.9	0.204	
20	13C-1,2,3,4,7,8-HxCDD	1.18e5	1.31	NO	0.60	1.000	33.89	1.014	98.8	98.8	0.300	
21	13C-1,2,3,6,7,8-HxCDD	1.32e5	1.29	NO	0.67	1.000	34.01	1.017	98.5	98.5	0.267	
22	13C-1,2,3,7,8,9-HxCDD	1.29e5	1.22	NO	0.68	1.000	34.30	1.026	95.9	95.9	0.265	



Ready

210319D1_2

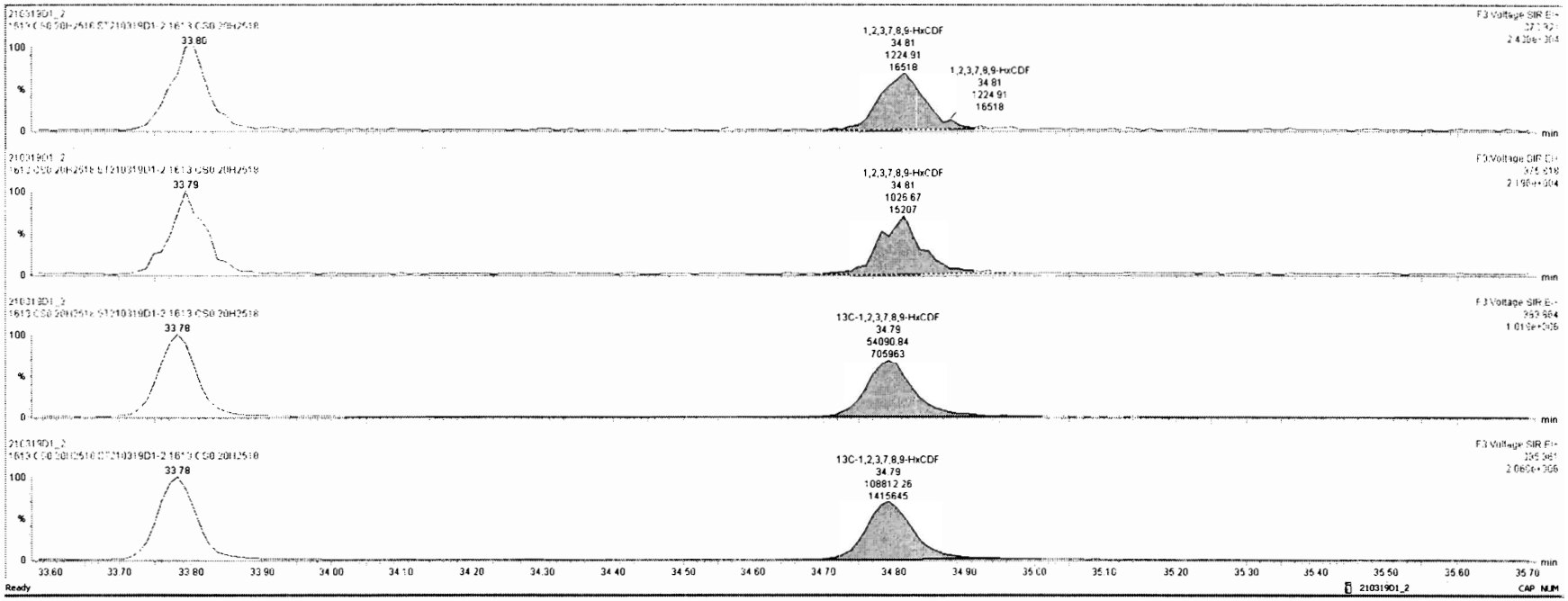
CAP NUM

TargetLynx - 210319D1-CRV.qld - [Chromatogram]

File Edit View Display Processing Window Help

210319D1_2 - ST210319D1-2 1613-CS0 20H2518 - 1613-CS0 20H2518

	Name	Resp	RA	rvy	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
12	1,2,3,6,7,8-HxCDF	2.73e3	1.34	NO	1.04	1.000	33.15	1.001	1.21	96.8	0.0465	1.21
13	2,3,4,6,7,8-HxCDF	2.63e3	1.17	NO	1.13	1.000	33.80	1.001	1.24	98.9	0.0531	1.24
14	1,2,3,7,8,9-HxCDF	2.25e3	1.19	NO	1.07	1.000	34.81	1.001	1.29	103	0.0799	1.29
15	1,2,3,4,6,7,8-HpCDF	1.98e3	0.96	NO	1.11	1.000	36.46	1.000	1.17	93.6	0.0926	1.17
16	1,2,3,4,7,8,9-HpCDF	1.76e3	1.03	NO	1.32	1.000	38.52	1.001	1.24	99.4	0.114	1.24
17	OCDF	3.09e3	0.90	NO	0.93	1.000	41.56	1.000	2.65	106	0.168	2.65
18	13C-2,3,7,8-TCDD	2.06e5	0.76	NO	1.20	1.000	26.10	1.027	98.3	98.3	0.220	
19	13C-1,2,3,7,8-PeCDD	1.44e5	0.63	NO	0.86	1.000	30.62	1.205	95.9	95.9	0.204	
20	13C-1,2,3,4,7,8-HxCDD	1.18e5	1.31	NO	0.60	1.000	33.89	1.014	98.8	98.8	0.300	
21	13C-1,2,3,6,7,8-HxCDD	1.32e5	1.29	NO	0.67	1.000	34.01	1.017	98.5	98.5	0.267	
22	13C-1,2,3,7,8,9-HxCDD	1.29e5	1.22	NO	0.68	1.000	34.30	1.026	95.9	95.9	0.265	



Ready

21031901_2

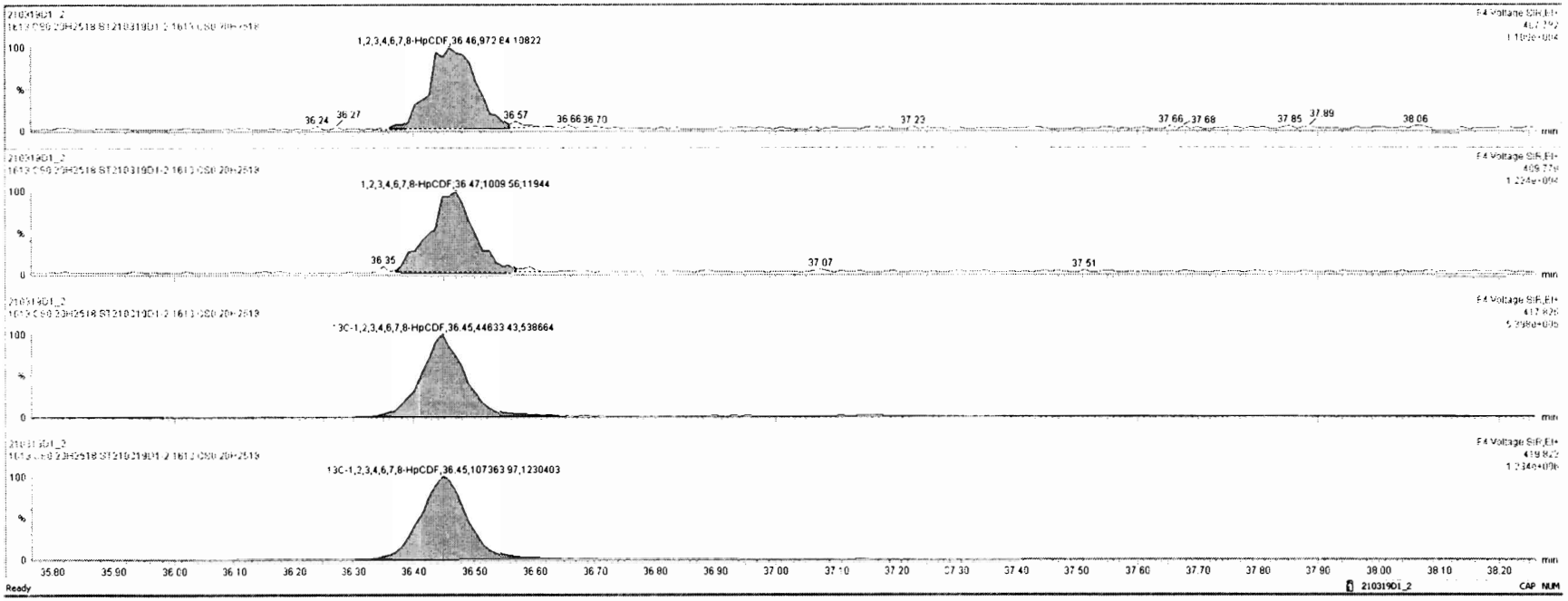
CAP NUM

TargetLynx - 2103190D1-CRV.qld - [Chromatogram]

File Edit View Display Processing Window Help

210819D1_2 - ST210819D1-2 1613 CS0 20H2513 - 1613 CS0 20H2518

	Name	Resp	RA	n/y	RRF	wtAvg	RT	RRT	Conc.	%Rec	DL	EMPC
12	1,2,3,6,7,8-HxCDF	2 73e3	1 34	NO	1 04	1 000	33 15	1 001	1 21	96 8	0 0465	1 21
13	2,3,4,6,7,8-HxCDF	2 63e3	1 17	NO	1 13	1 000	33 80	1 001	1 24	98 9	0 0531	1 24
14	1,2,3,7,8,9-HxCDF	2 25e3	1 19	NO	1 07	1 000	34 81	1 001	1 29	103	0 0799	1 25
15	**1,2,3,4,6,7,8-HpCDF**	**1 98e3**	**0 98**	**NO**	**1 11**	**1 000**	**36 46**	**1 000**	**1 17**	**93 6**	**0 0926**	**1 17**
16	1,2,3,4,7,8,9-HpCDF	1 76e3	1 03	NO	1 32	1 000	38 52	1 001	1 24	99 4	0 114	1 24
17	OCDF	3 09e3	0 90	NO	0 93	1 000	41 56	1 000	2 65	106	0 168	2 65
18	13C-2,3,7,8-TCDD	2 06e5	0 76	NO	1 20	1 000	26 10	1 027	98 3	98 3	0 220	
19	13C-1,2,3,7,8-PeCDD	1 44e5	0 63	NO	0 86	1 000	30 62	1 205	95 9	95 9	0 204	
20	13C-1,2,3,4,7,8-HxCDD	1 18e5	1 31	NO	0 60	1 000	33 89	1 014	98 8	98 8	0 300	
21	13C-1,2,3,6,7,8-HxCDD	1 32e5	1 29	NO	0 67	1 000	34 01	1 017	98 5	98 5	0 267	
22	13C-1,2,3,7,8,9-HxCDD	1 29e5	1 22	NO	0 68	1 000	34 30	1 026	95 9	95 9	0 265	



Ready

21031901_2

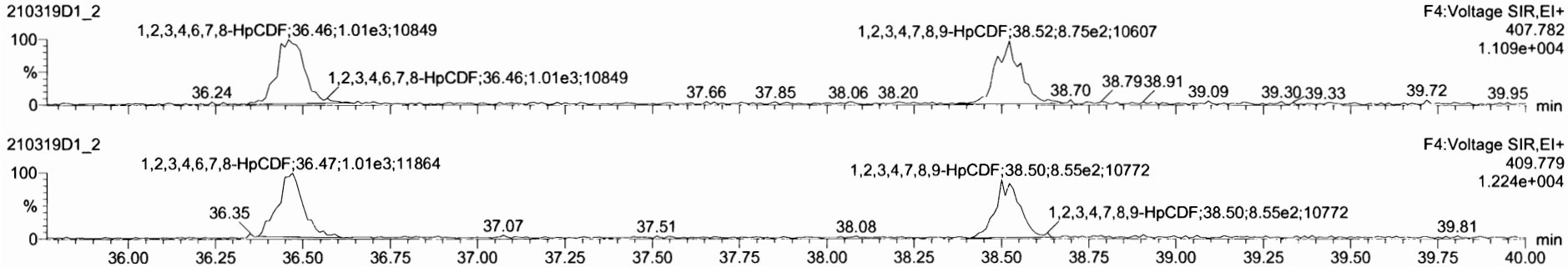
CAP NUM

Dataset: Untitled

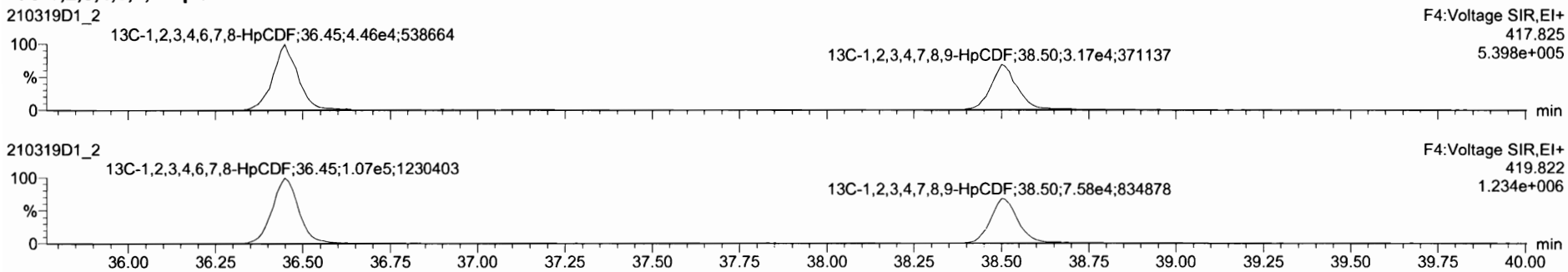
Last Altered: Monday, March 22, 2021 15:03:48 Pacific Daylight Time
Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

Name: 210319D1_2, Date: 19-Mar-2021, Time: 08:06:08, ID: ST210319D1-2 1613 CS0 20H2518, Description: 1613 CS0 20H2518

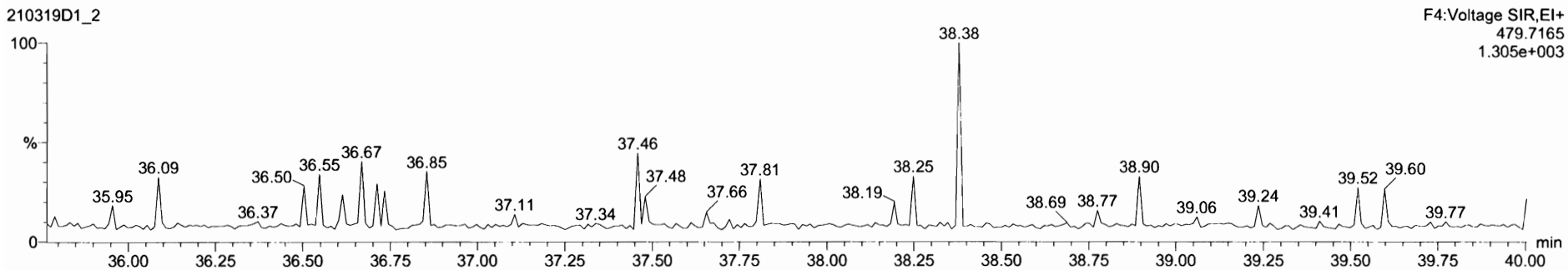
1,2,3,4,6,7,8-HpCDF

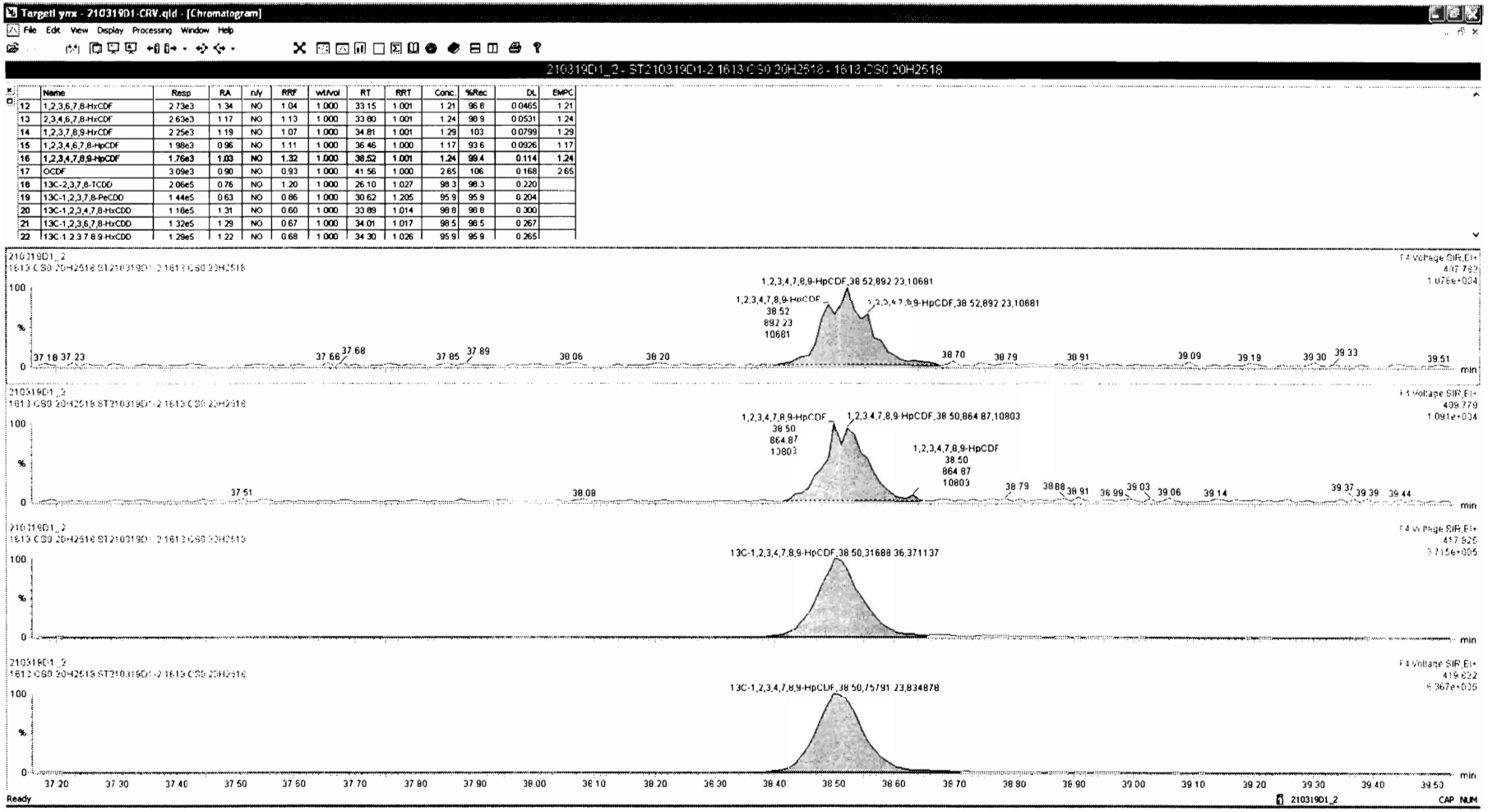


13C-1,2,3,4,6,7,8-HpCDF



DPE4





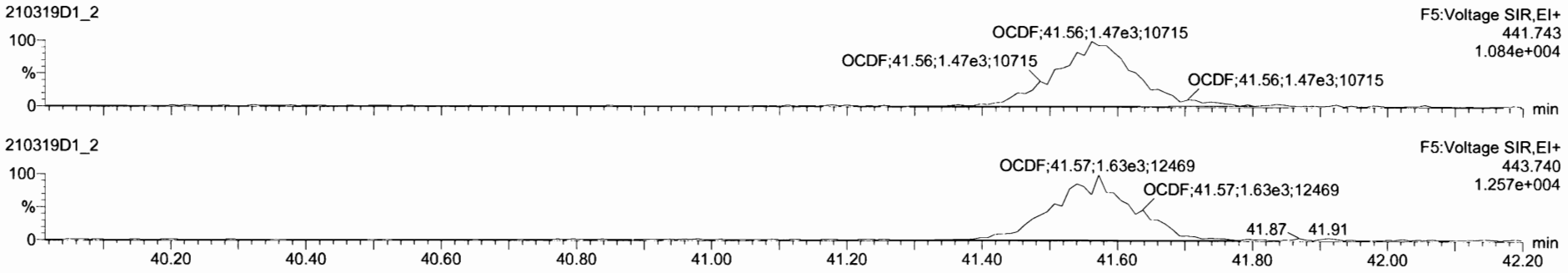
	Name	Resp	RA	n/y	RRF	wtAvol	RT	RRT	Conc	%Rec	DL	EMPC
12	1,2,3,6,7,8-HxCDF	2 73e3	1 34	NO	1.04	1.000	33.15	1.001	1 21	96 8	0.0465	1 21
13	2,3,4,6,7,8-HxCDF	2 63e3	1 17	NO	1 13	1 000	33 80	1.001	1.24	98 9	0.0531	1 24
14	1,2,3,7,8,9-HxCDF	2 25e3	1 19	NO	1.07	1 000	34 81	1 001	1 29	103	0.0799	1 29
15	1,2,3,4,6,7,8-HpCDF	1 98e3	0 96	NO	1.11	1 000	36 46	1.000	1 17	93 6	0.0926	1 17
16	**1,2,3,4,7,8,9-HpCDF**	**1.76e3**	**1.03**	**NO**	**1.32**	**1.000**	**38.52**	**1.001**	**1.24**	**99.4**	**0.114**	**1.24**
17	OCDF	3 09e3	0 90	NO	0 93	1 000	41 56	1.000	2 65	106	0 168	2 65
18	13C-2,3,7,8-TCDD	2 06e5	0 76	NO	1 20	1 000	26.10	1 027	98 3	98 3	0 220	
19	13C-1,2,3,7,8-PeCDD	1 44e5	0 63	NO	0 86	1 000	30 62	1 205	95 9	95 9	0 204	
20	13C-1,2,3,4,7,8-HxCDD	1 18e5	1 31	NO	0 60	1 000	33 89	1 014	98 8	98 8	0 300	
21	13C-1,2,3,6,7,8-HxCDD	1 32e5	1 29	NO	0 67	1 000	34 01	1 017	98 5	98 5	0 267	
22	13C-1 2 3 7 8 9-HxCDD	1 29e5	1 22	NO	0 68	1 000	34 30	1 026	95 9	95 9	0 265	

Dataset: Untitled

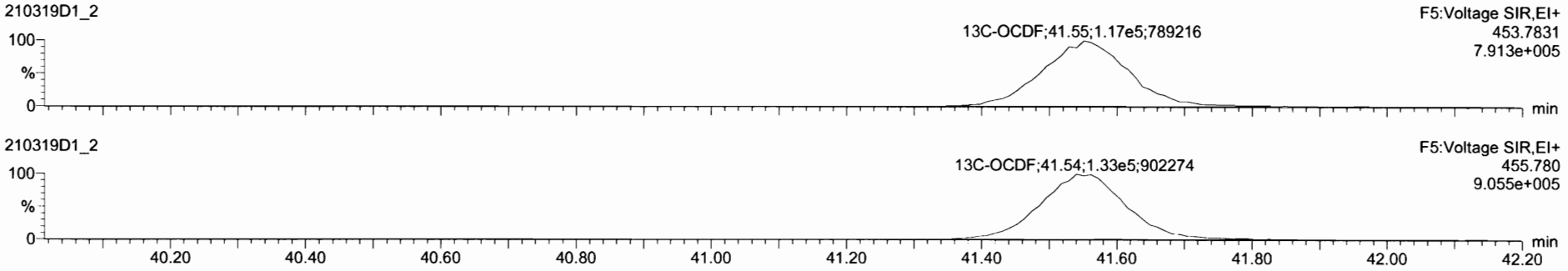
Last Altered: Monday, March 22, 2021 15:03:48 Pacific Daylight Time
Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

Name: 210319D1_2, Date: 19-Mar-2021, Time: 08:06:08, ID: ST210319D1-2 1613 CS0 20H2518, Description: 1613 CS0 20H2518

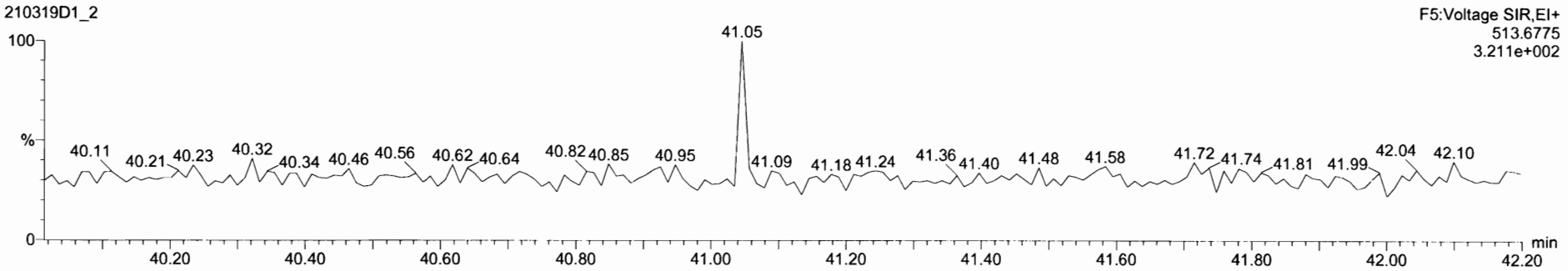
OCDF

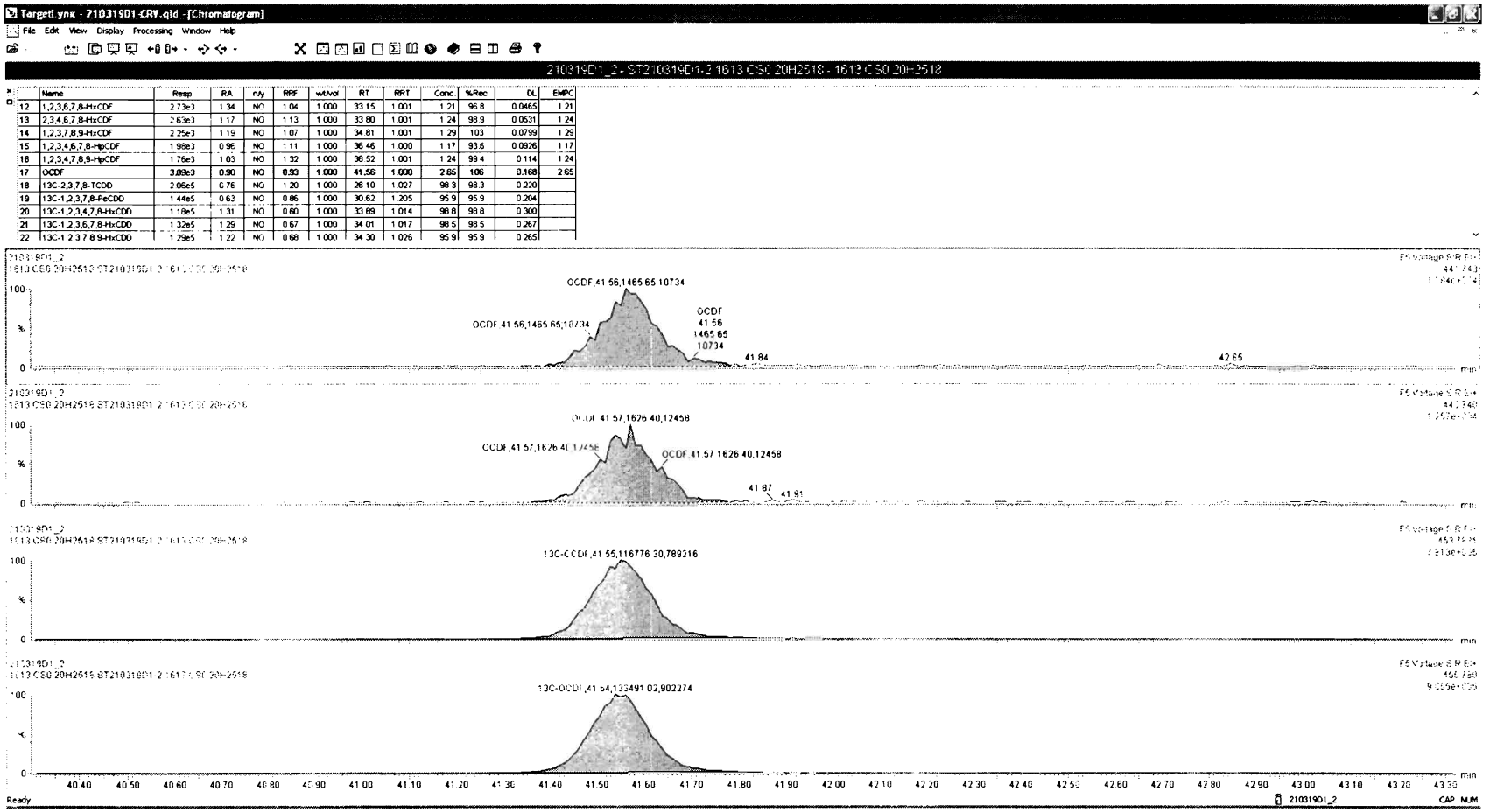


13C-OCDF



DPE5





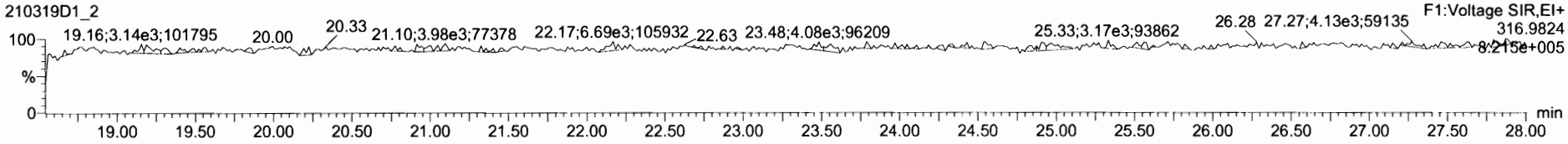
	Name	Resp	RA	rtV	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
12	1,2,3,6,7,8-HxCDF	2 73e3	1 34	NO	1 04	1 000	33 15	1 001	1 21	96 8	0 0465	1 21
13	2,3,4,6,7,8-HxCDF	2 63e3	1 17	NO	1 13	1 000	33 80	1 001	1 24	98 9	0 0531	1 24
14	1,2,3,7,8,9-HxCDF	2 25e3	1 19	NO	1 07	1 000	34 81	1 001	1 29	103	0 0799	1 29
15	1,2,3,4,6,7,8-HpCDF	1 98e3	0 96	NO	1 11	1 000	36 46	1 000	1 17	93 6	0 0926	1 17
16	1,2,3,4,7,8,9-HpCDF	1 76e3	1 03	NO	1 32	1 000	38 52	1 001	1 24	99 4	0 114	1 24
17	OCDF	3 09e3	0 90	NO	0 93	1 000	41 56	1 000	2 65	106	0 168	2 65
18	13C-2,3,7,8-TCDD	2 06e5	0 76	NO	1 20	1 000	26 10	1 027	98 3	98 3	0 220	
19	13C-1,2,3,7,8-PeCDD	1 44e5	0 63	NO	0 86	1 000	30 62	1 205	95 9	95 9	0 204	
20	13C-1,2,3,4,7,8-HxCDD	1 18e5	1 31	NO	0 60	1 000	33 89	1 014	98 8	98 8	0 300	
21	13C-1,2,3,6,7,8-HxCDD	1 32e5	1 29	NO	0 67	1 000	34 01	1 017	98 5	98 5	0 267	
22	13C-1 2 3 7 8 9-HxCDD	1 29e5	1 22	NO	0 68	1 000	34 30	1 026	95 9	95 9	0 265	

Dataset: Untitled

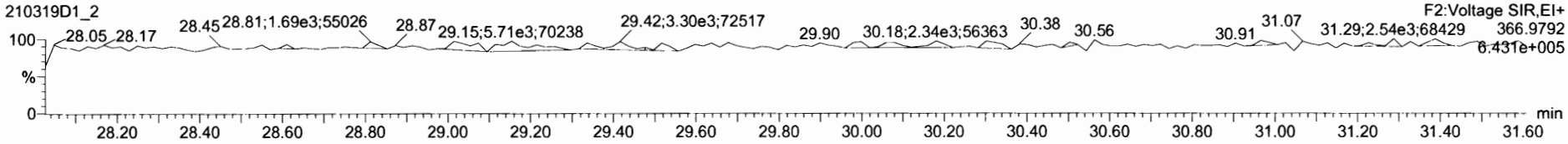
Last Altered: Monday, March 22, 2021 15:03:48 Pacific Daylight Time
Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

Name: 210319D1_2, Date: 19-Mar-2021, Time: 08:06:08, ID: ST210319D1-2 1613 CS0 20H2518, Description: 1613 CS0 20H2518

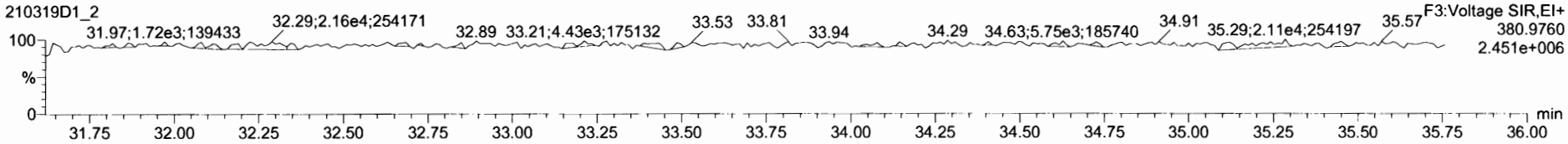
PFK1



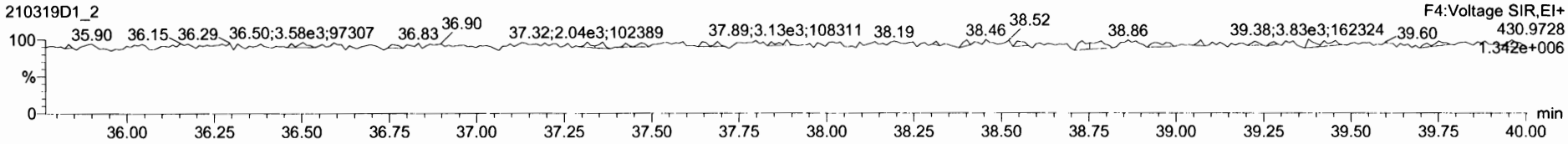
PFK2



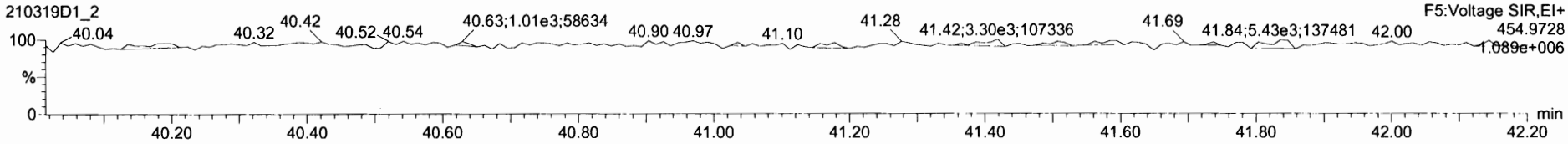
PFK3



PFK4



PFK5

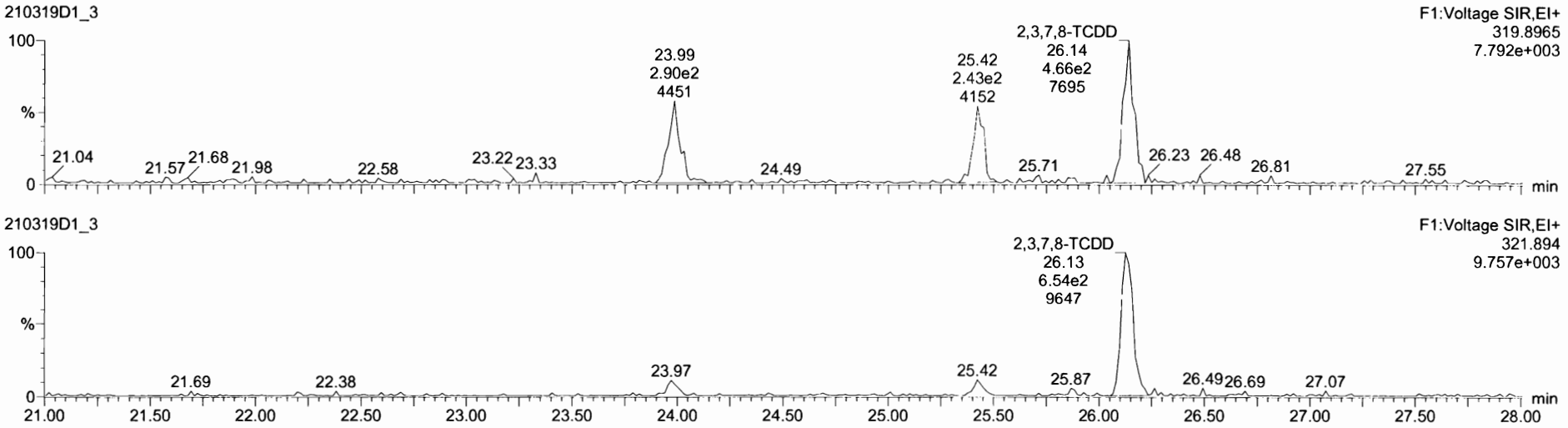


Dataset: Untitled

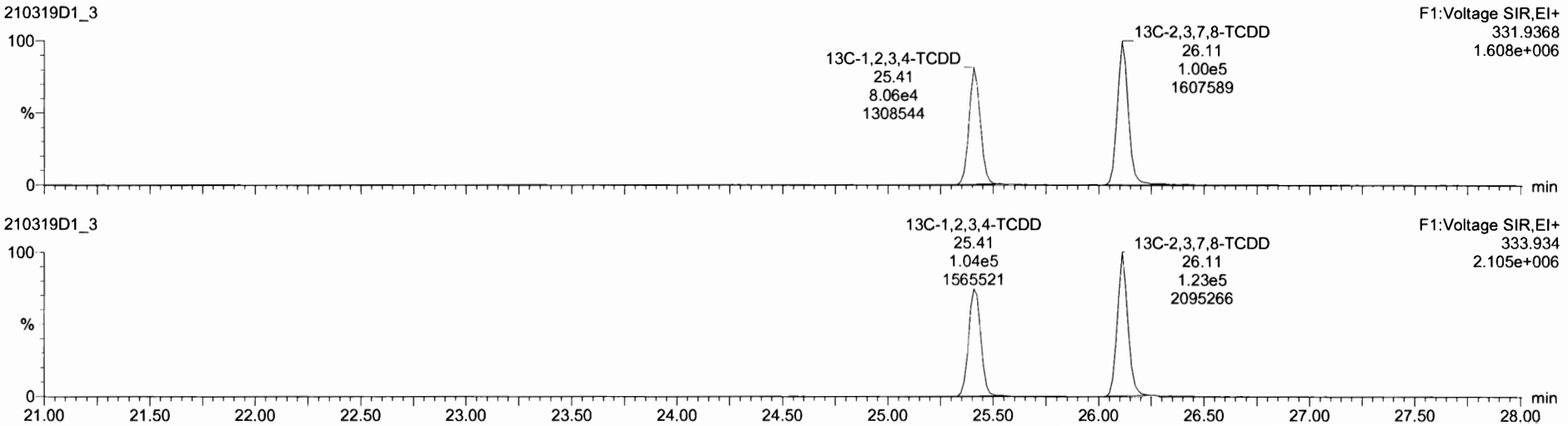
Last Altered: Monday, March 22, 2021 15:03:48 Pacific Daylight Time
Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

Name: 210319D1_3, Date: 19-Mar-2021, Time: 09:06:00, ID: ST210319D1-3 1613 CS1 20H2519, Description: 1613 CS1 20H2519

2,3,7,8-TCDD



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

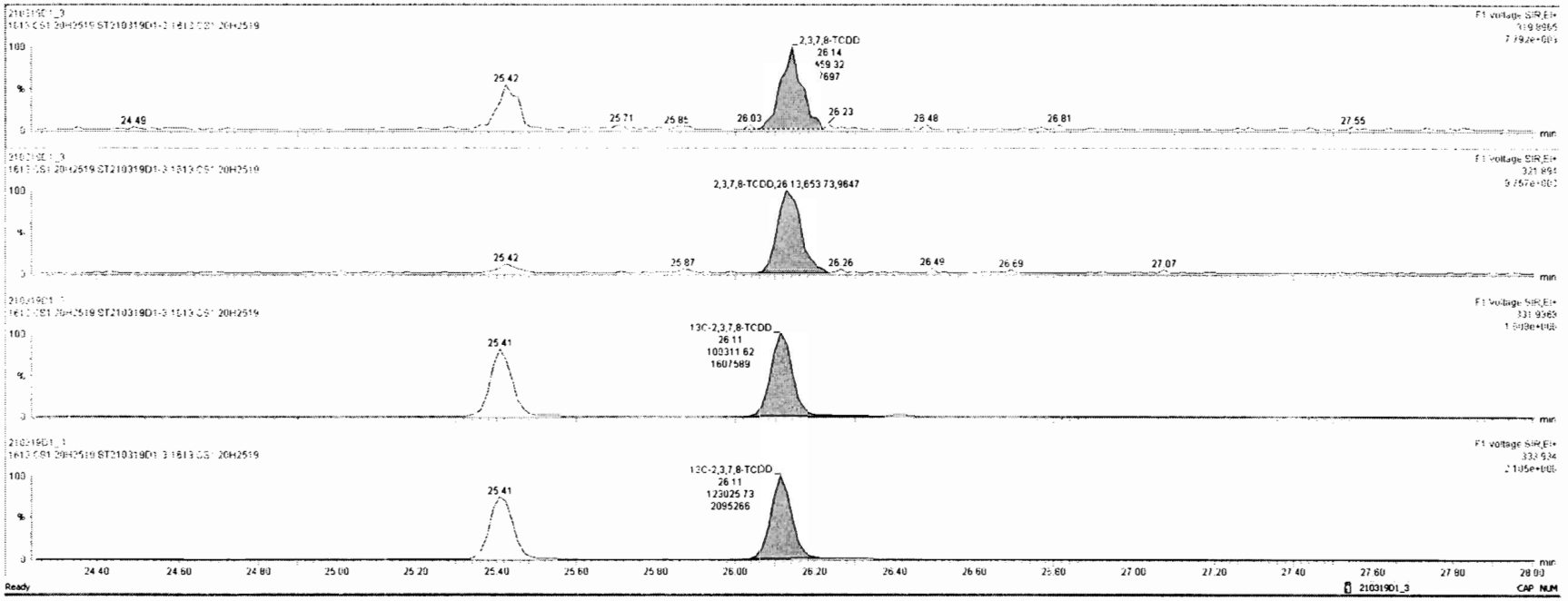


TargetLynx - 210319D1-CRV.qld - [Chromatogram]

File Edit View Display Processing Window Help

210319D1_3 - ST210319D1-3 1613 CS1 20H2519 - 1613 CS1 20H2519

	Name	Resp	RA	rvy	RRF	wtVal	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.11e3	0.70	NO	1.00	1.000	26.14	1.001	0.500	99.9	0.0248	0.500
2	1,2,3,7,8-PeCDD	3.44e3	0.65	NO	0.96	1.000	30.64	1.001	2.36	94.4	0.0466	2.36
3	1,2,3,4,7,8-HxCDD	3.62e3	1.32	NO	1.18	1.000	33.91	1.000	2.48	99.1	0.0760	2.48
4	1,2,3,6,7,8-HxCDD	3.60e3	1.25	NO	1.04	1.000	34.05	1.001	2.49	99.5	0.0851	2.49
5	1,2,3,7,8,9-HxCDD	3.57e3	1.31	NO	1.06	1.000	34.33	1.000	2.44	97.5	0.0877	2.44
6	1,2,3,4,6,7,8-HpCDD	3.04e3	1.09	NO	1.06	1.000	37.89	1.000	2.51	100	0.0853	2.51
7	OCDD	4.79e3	0.87	NO	0.98	1.000	41.16	1.000	4.95	99.1	0.332	4.95
8	2,3,7,8-TCDF	1.60e3	0.72	NO	0.99	1.000	25.45	1.001	0.509	102	0.0203	0.509
9	1,2,3,7,8-PeCDF	5.92e3	1.66	NO	1.02	1.000	29.46	1.001	2.38	95.1	0.0494	2.38
10	2,3,4,7,8-PeCDF	6.65e3	1.67	NO	1.17	1.000	30.42	1.000	2.55	102	0.0419	2.55
11	1,2,3,4,7,8-HxCDF	5.75e3	1.20	NO	1.14	1.000	33.01	1.000	2.50	99.8	0.0475	2.50



Ready

210319D1_3

CAP NUM

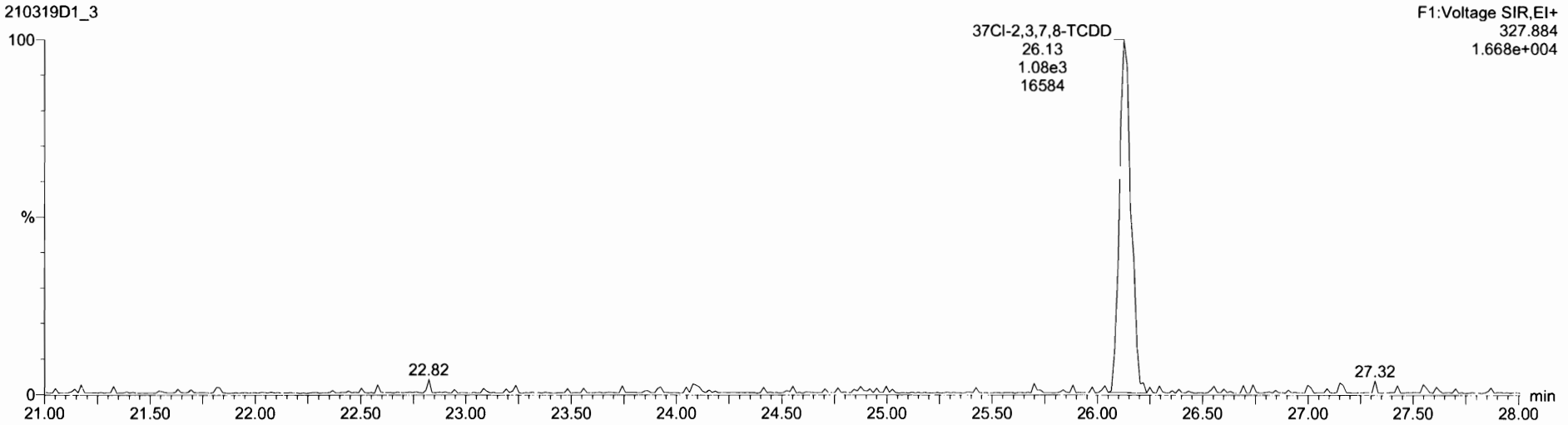
Vista Analytical Laboratory

Dataset: Untitled

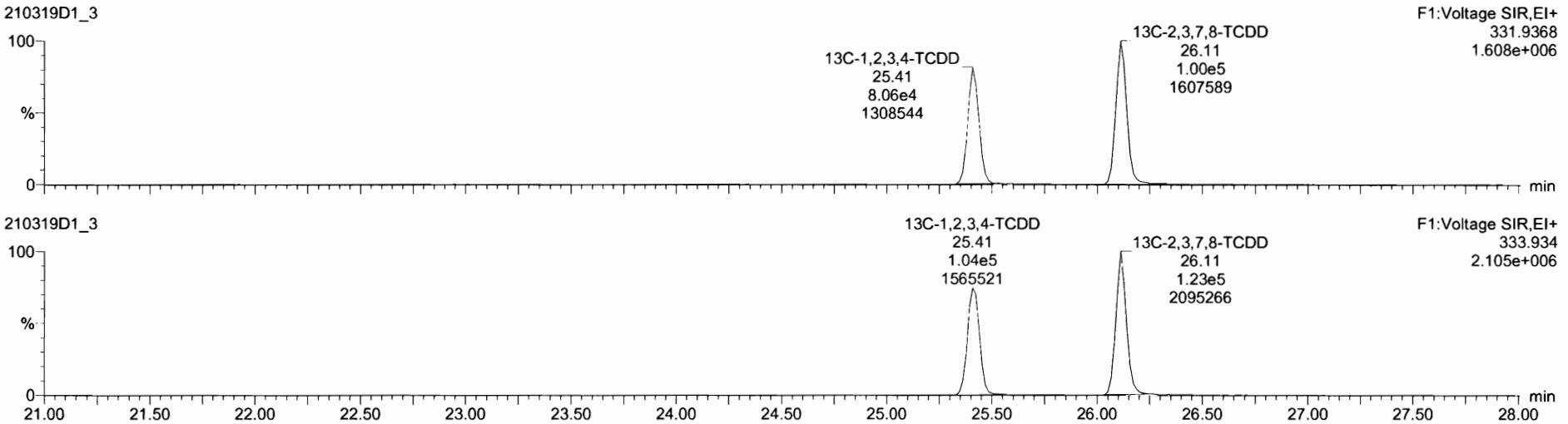
Last Altered: Monday, March 22, 2021 15:03:48 Pacific Daylight Time
Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

Name: 210319D1_3, Date: 19-Mar-2021, Time: 09:06:00, ID: ST210319D1-3 1613 CS1 20H2519, Description: 1613 CS1 20H2519

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



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



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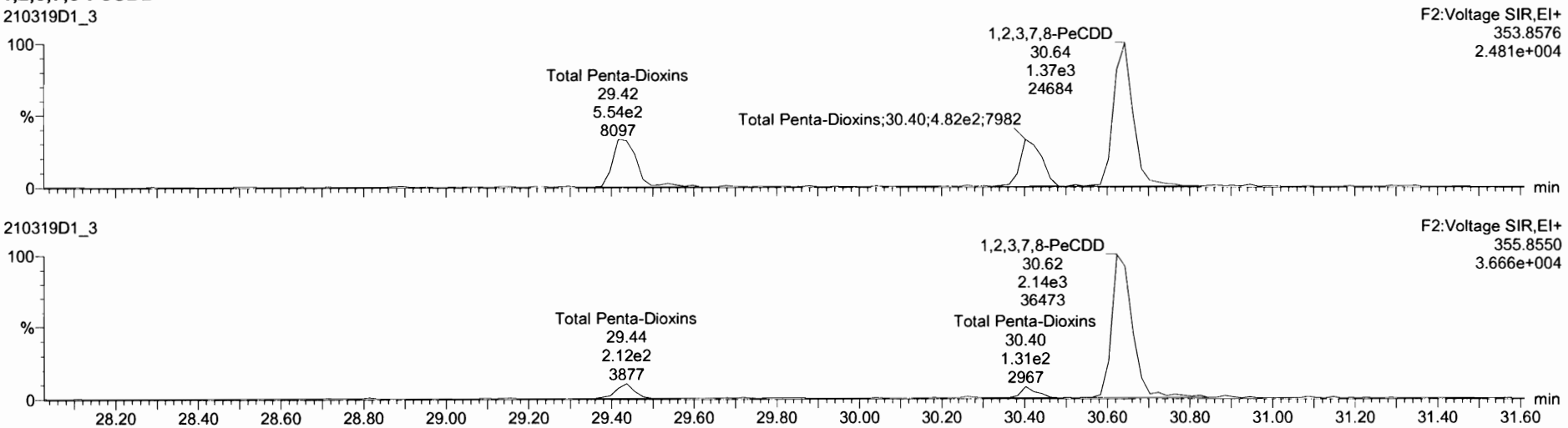
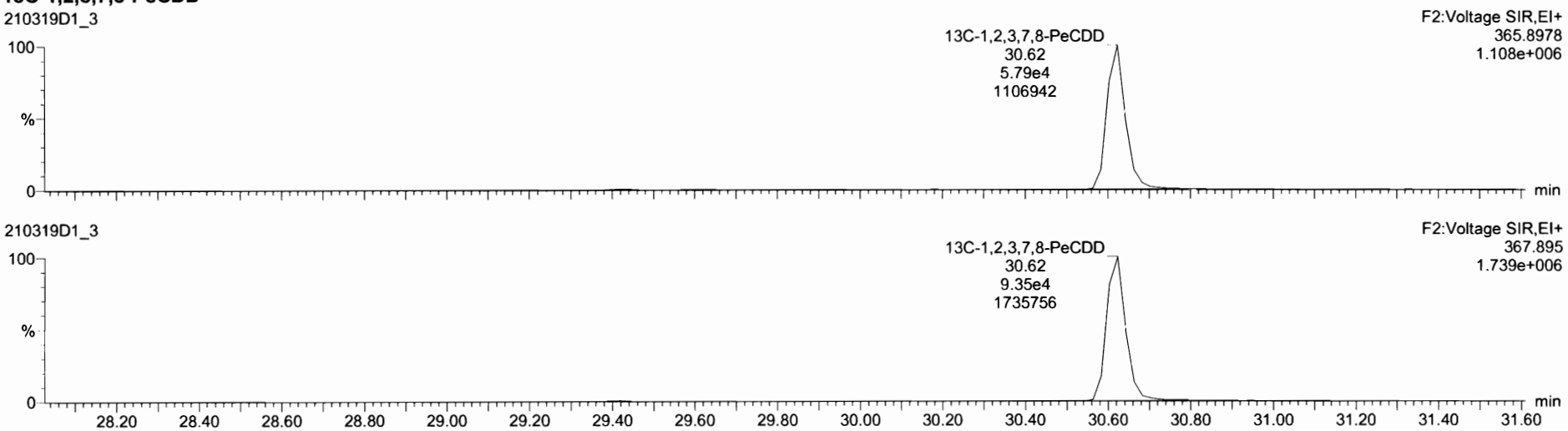
Name: 210319D1_3, Date: 19-Mar-2021, Time: 09:06:00, ID: ST210319D1-3 1613 CS1 20H2519, Description: 1613 CS1 20H2519

1,2,3,7,8-PeCDD



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

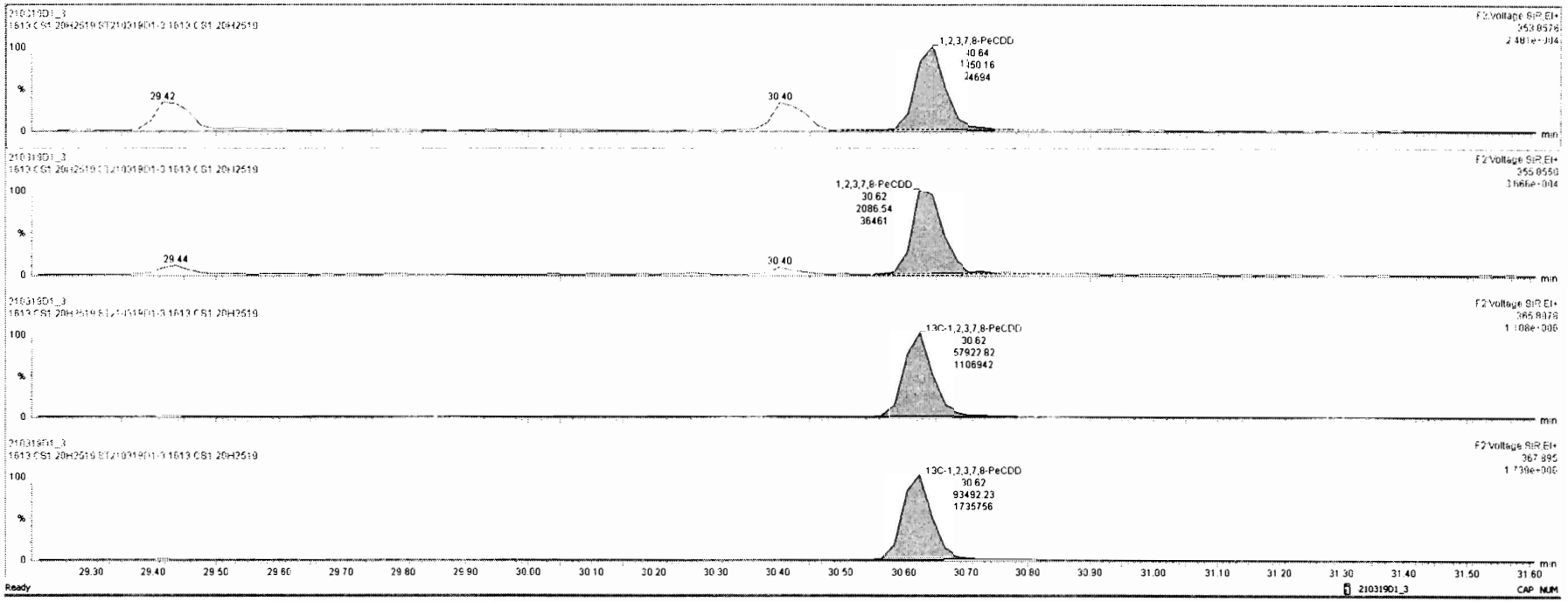


TargetLynx - 210319D1-CRV.qld - [Chromatogram]

File Edit View Display Processing Window Help

210319D1_3 - ST210319D1-3 1613-CS1 20H2519 - 1613-CS1 20H2519

	Name	Resp	RA	nY	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.11e3	0.70	NO	1.00	1.000	26.14	1.001	0.500	99.9	0.0248	0.500
2	1,2,3,7,8-PeCDD	3.44e3	0.65	NO	0.86	1.000	30.64	1.001	2.38	94.4	0.0466	2.36
3	1,2,3,4,7,8-HxCDD	3.62e3	1.32	NO	1.18	1.000	33.91	1.000	2.48	99.1	0.0760	2.48
4	1,2,3,6,7,8-HxCDD	3.60e3	1.25	NO	1.04	1.000	34.05	1.001	2.49	99.5	0.0851	2.49
5	1,2,3,7,8,9-HxCDD	3.57e3	1.31	NO	1.06	1.000	34.33	1.000	2.44	97.5	0.0877	2.44
6	1,2,3,4,6,7,8-HpCDD	3.04e3	1.09	NO	1.06	1.000	37.89	1.000	2.51	100	0.0853	2.51
7	OCDD	4.79e3	0.87	NO	0.98	1.000	41.16	1.000	4.95	99.1	0.332	4.95
8	2,3,7,8-TCDF	1.60e3	0.72	NO	0.99	1.000	25.45	1.001	0.509	102	0.0203	0.509
9	1,2,3,7,8-PeCDF	5.92e3	1.66	NO	1.02	1.000	29.46	1.001	2.38	95.1	0.0494	2.38
10	2,3,4,7,8-PeCDF	6.65e3	1.67	NO	1.17	1.000	30.42	1.000	2.55	102	0.0419	2.55
11	1,2,3,4,7,8-HxCDF	5.75e3	1.20	NO	1.14	1.000	33.01	1.000	2.50	99.8	0.0475	2.50



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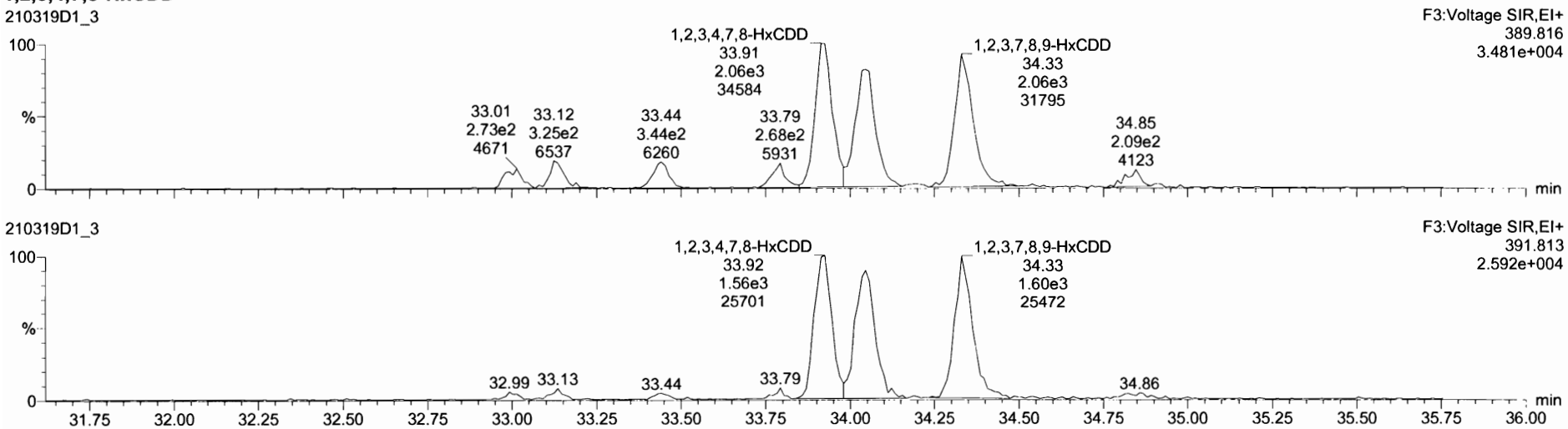
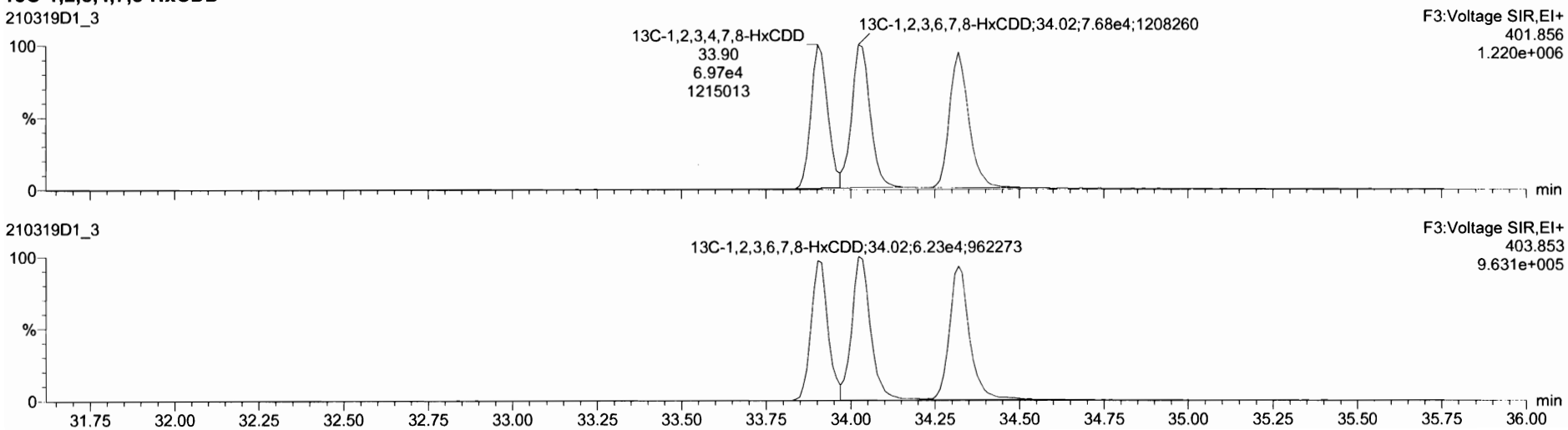
Name: 210319D1_3, Date: 19-Mar-2021, Time: 09:06:00, ID: ST210319D1-3 1613 CS1 20H2519, Description: 1613 CS1 20H2519

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



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

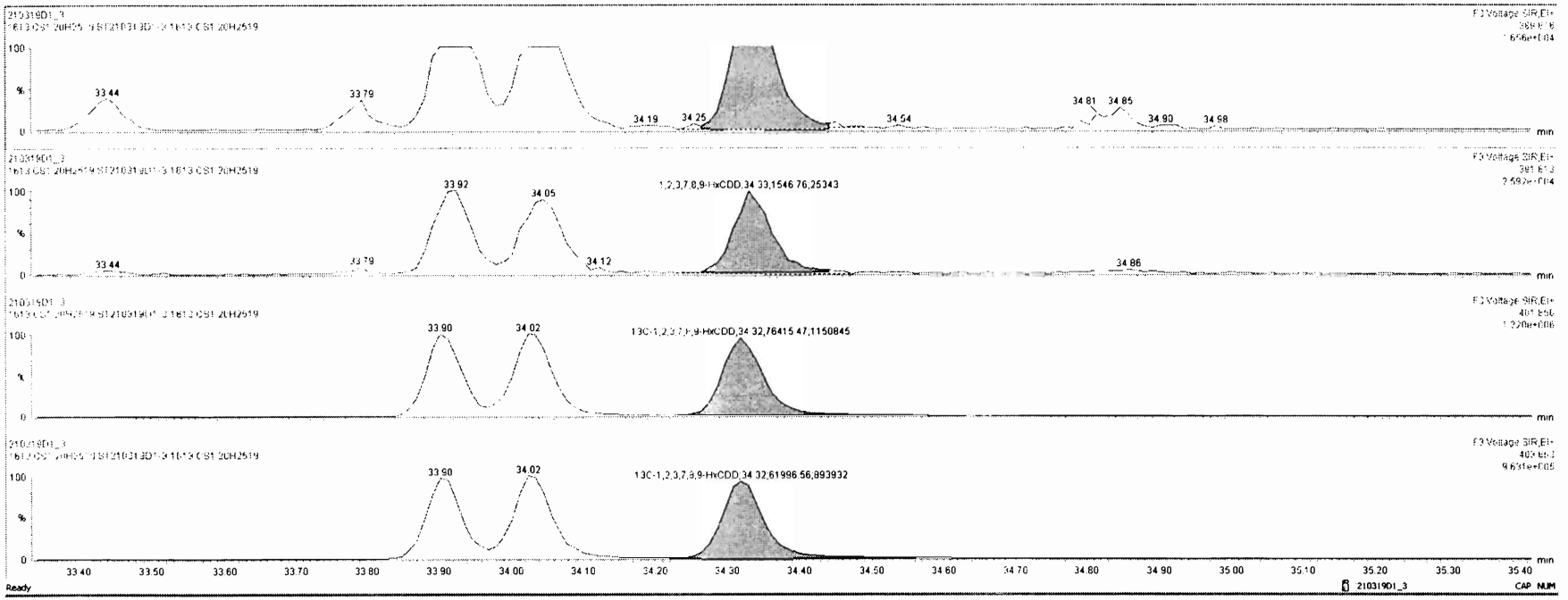


TargetLynx - 210319D1-CRV.qld - [Chromatogram]

File Edit View Display Processing Window Help

210319D1_3 - ST210319D1-3 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	1.11e3	0.70	NO	1.00	1.000	26.14	1.001	0.500	99.9	0.0246	0.500
2	1,2,3,7,8-PeCDD	3.44e3	0.65	NO	0.96	1.000	30.64	1.001	2.36	94.4	0.0466	2.36
3	1,2,3,4,7,8-HxCDD	3.62e3	1.32	NO	1.18	1.000	33.91	1.000	2.48	99.1	0.0760	2.48
4	1,2,3,6,7,8-HxCDD	3.60e3	1.25	NO	1.04	1.000	34.05	1.001	2.49	99.5	0.0851	2.49
5	1,2,3,7,8,9-HxCDD	3.57e3	1.31	NO	1.06	1.000	34.33	1.000	2.44	97.5	0.0877	2.44
6	1,2,3,4,6,7,8-HpCDD	3.04e3	1.09	NO	1.06	1.000	37.89	1.000	2.51	100	0.0853	2.51
7	OCDD	4.79e3	0.87	NO	0.98	1.000	41.16	1.000	4.95	99.1	0.332	4.95
8	2,3,7,8-TCDF	1.60e3	0.72	NO	0.99	1.000	25.45	1.001	0.509	102	0.0203	0.509
9	1,2,3,7,8-PeCDF	5.92e3	1.66	NO	1.02	1.000	29.46	1.001	2.38	95.1	0.0494	2.38
10	2,3,4,7,8-PeCDF	6.65e3	1.67	NO	1.17	1.000	30.42	1.000	2.55	102	0.0419	2.55
11	1,2,3,4,7,8-HxCDF	5.75e3	1.20	NO	1.14	1.000	33.01	1.000	2.50	99.8	0.0475	2.50



Ready

210319D1_3

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Dataset: Untitled

Last Altered: Monday, March 22, 2021 15:03:48 Pacific Daylight Time
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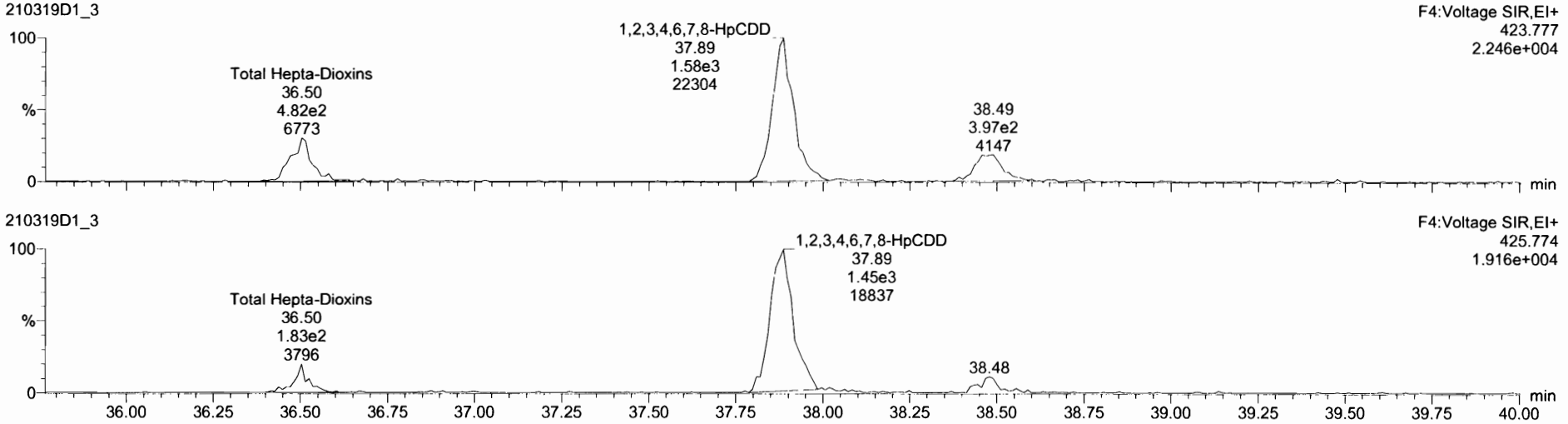
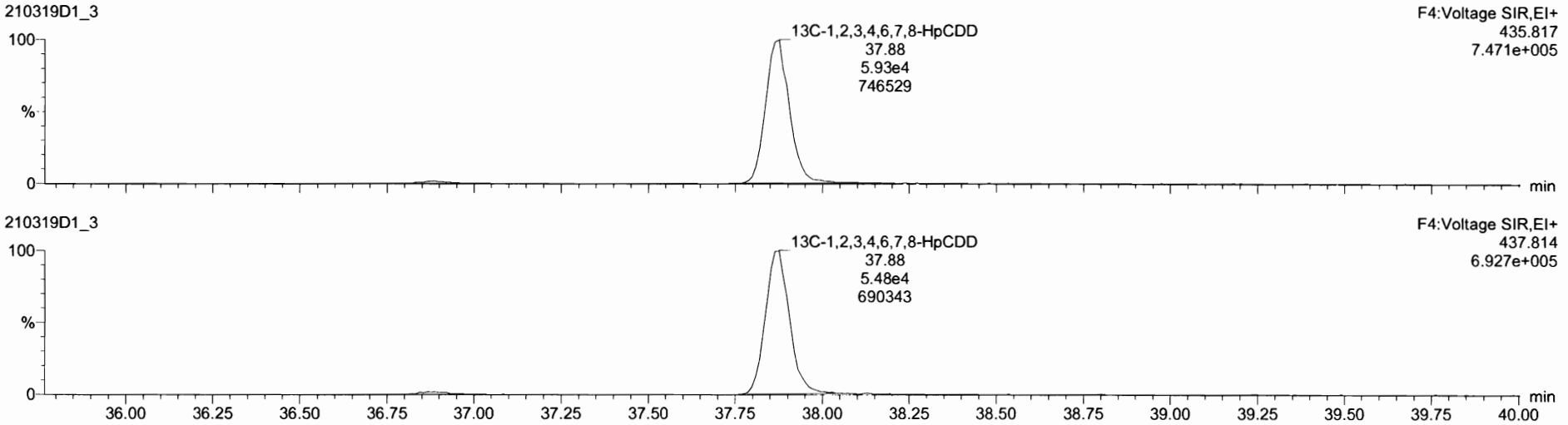
Name: 210319D1_3, Date: 19-Mar-2021, Time: 09:06:00, ID: ST210319D1-3 1613 CS1 20H2519, Description: 1613 CS1 20H2519

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



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



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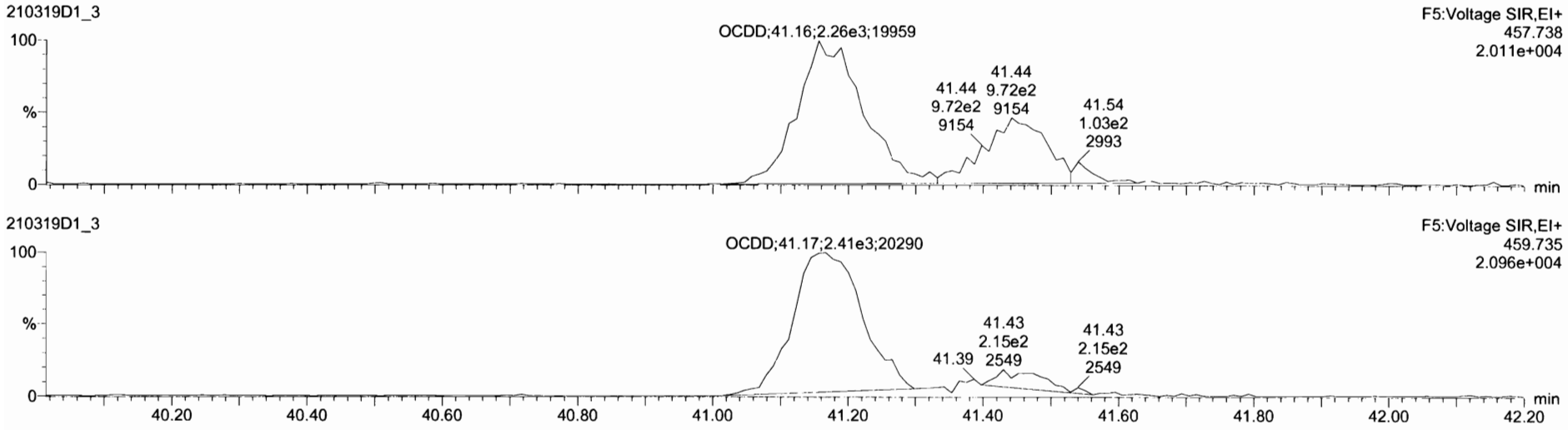
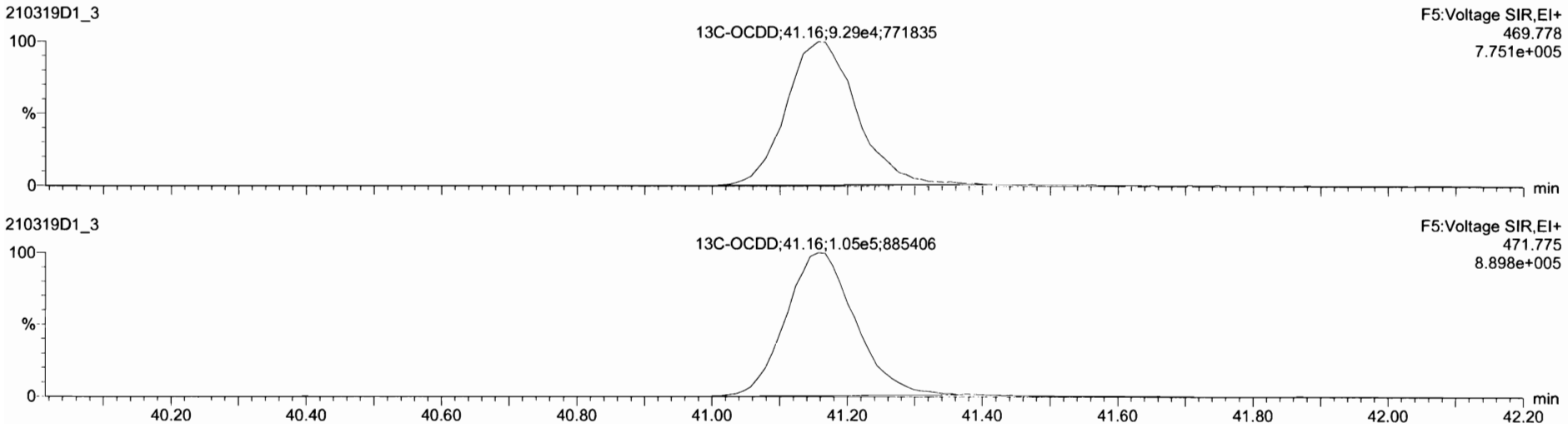
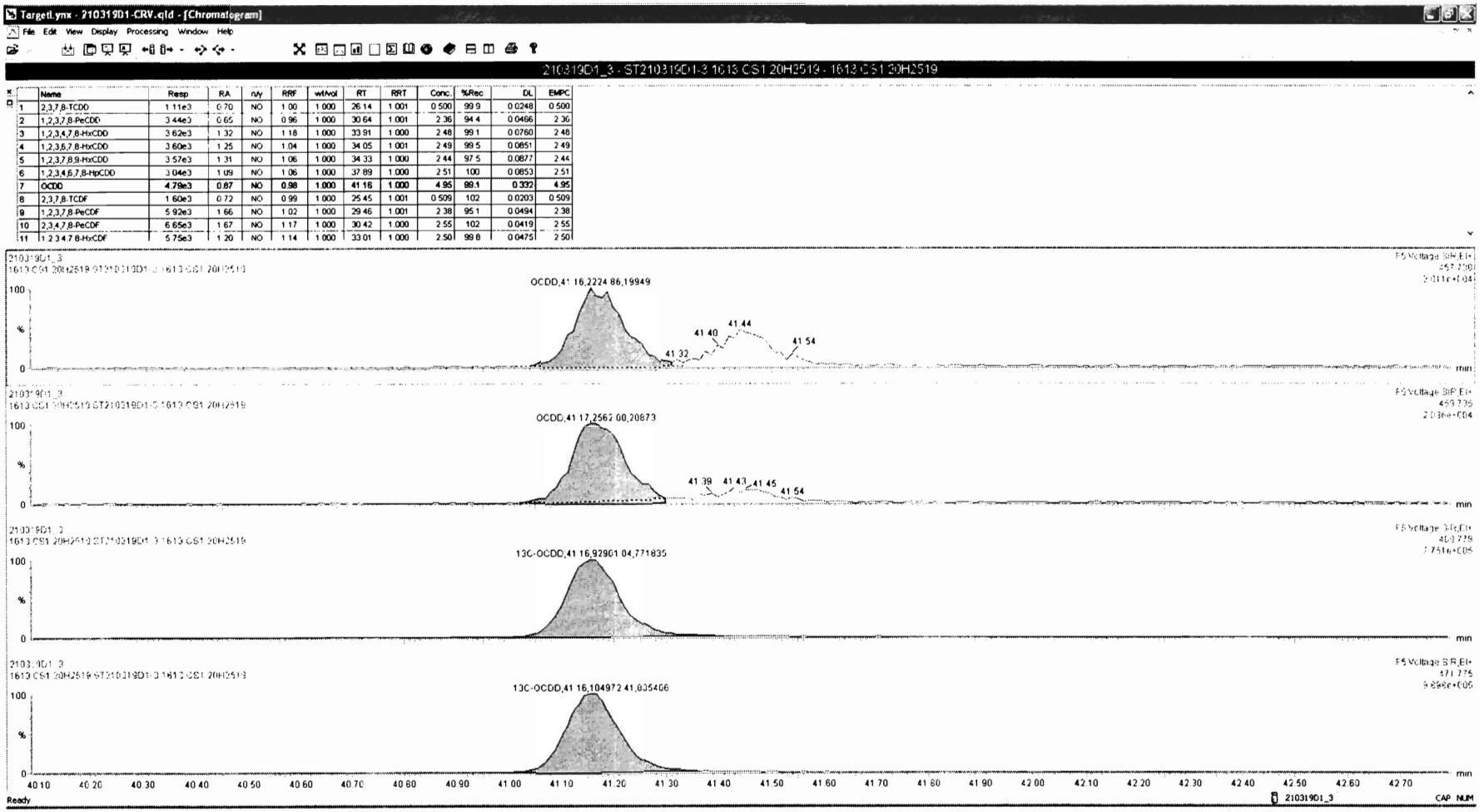
Name: 210319D1_3, Date: 19-Mar-2021, Time: 09:06:00, ID: ST210319D1-3 1613 CS1 20H2519, Description: 1613 CS1 20H2519

OCDD



13C-OCDD





	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1 11e3	0 70	NO	1 00	1 000	26 14	1 001	0 500	99 9	0 0248	0 500
2	1,2,3,7,8-PeCDD	3 44e3	0 65	NO	0 96	1 000	30 64	1 001	2 36	94 4	0 0466	2 36
3	1,2,3,4,7,8-HxCDD	3 62e3	1 32	NO	1 18	1 000	33 91	1 000	2 48	99 1	0 0760	2 48
4	1,2,3,6,7,8-HxCDD	3 60e3	1 25	NO	1 04	1 000	34 05	1 001	2 49	99 5	0 0851	2 49
5	1,2,3,7,8,9-HxCDD	3 57e3	1 31	NO	1 06	1 000	34 33	1 000	2 44	97 5	0 0877	2 44
6	1,2,3,4,6,7,8-HpCDD	3 04e3	1 09	NO	1 06	1 000	37 89	1 000	2 51	100	0 0853	2 51
7	OCDD	4 79e3	0 87	NO	0 98	1 000	41 16	1 000	4 95	99 1	0 332	4 95
8	2,3,7,8-TCDF	1 60e3	0 72	NO	0 99	1 000	25 45	1 001	0 509	102	0 0203	0 509
9	1,2,3,7,8-PeCDF	5 92e3	1 66	NO	1 02	1 000	29 46	1 001	2 38	95 1	0 0494	2 38
10	2,3,4,7,8-PeCDF	6 65e3	1 67	NO	1 17	1 000	30 42	1 000	2 55	102	0 0419	2 55
11	1,2,3,4,7,8-HxCDF	5 75e3	1 20	NO	1 14	1 000	33 01	1 000	2 50	99 8	0 0475	2 50

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Last Altered: Monday, March 22, 2021 15:03:48 Pacific Daylight Time
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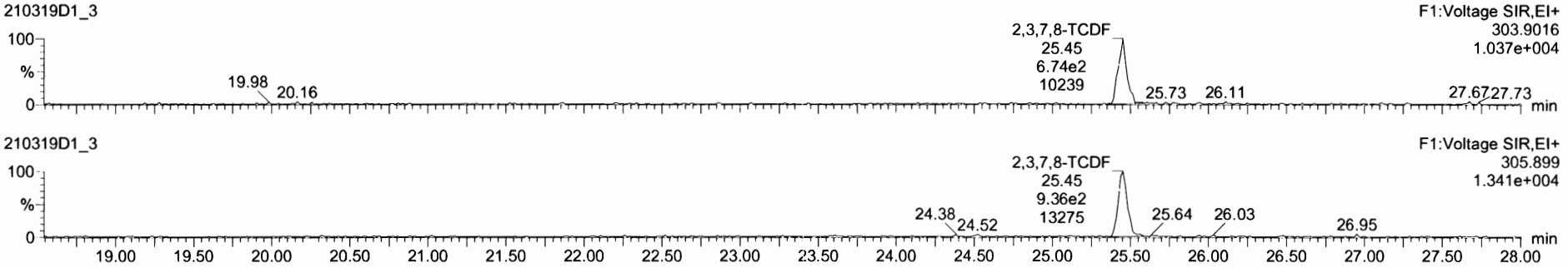
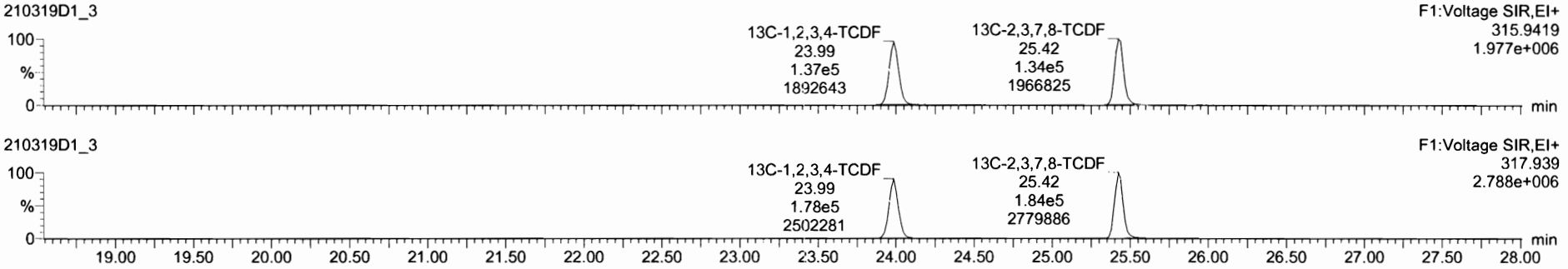
Name: 210319D1_3, Date: 19-Mar-2021, Time: 09:06:00, ID: ST210319D1-3 1613 CS1 20H2519, Description: 1613 CS1 20H2519

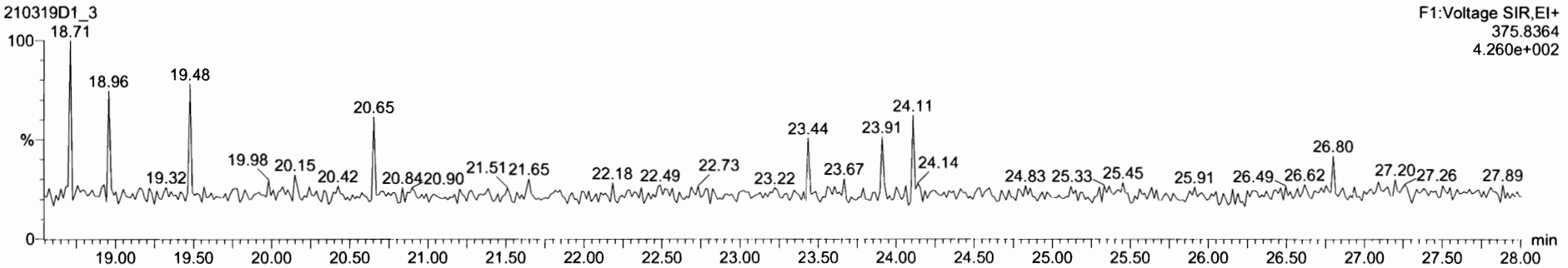
2,3,7,8-TCDF



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



DPE1

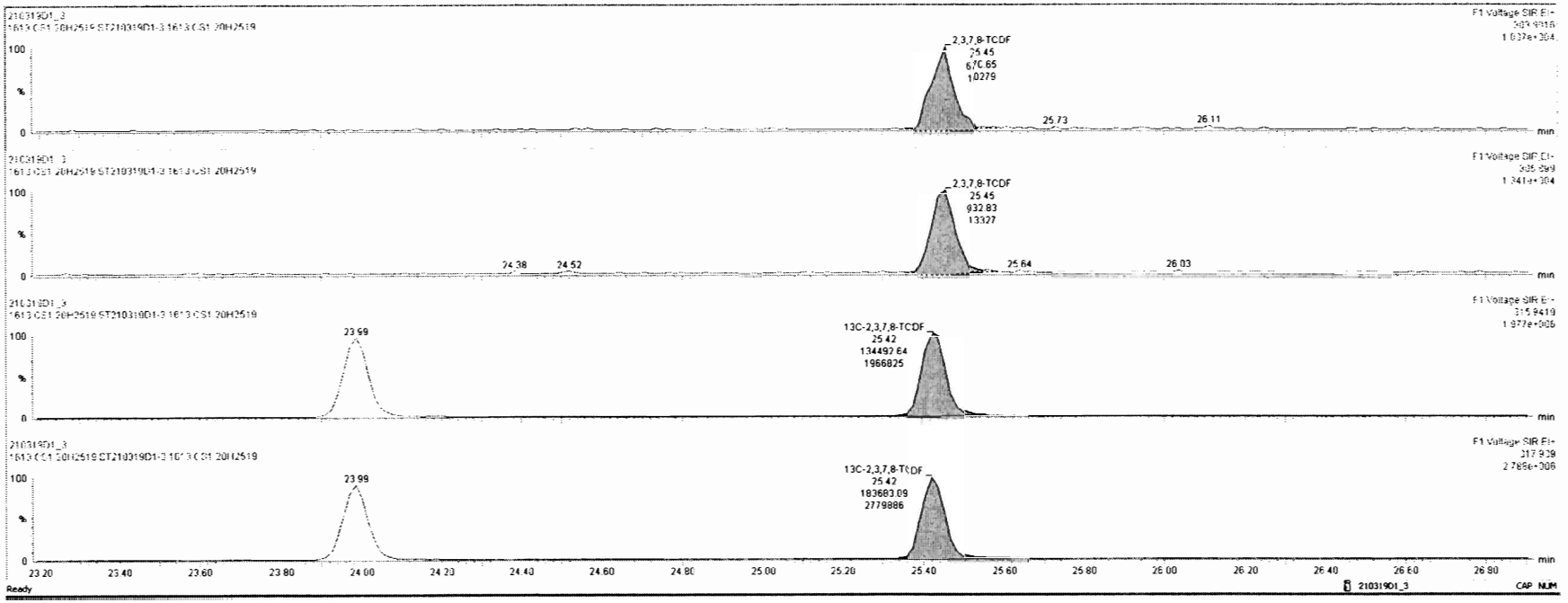


TargetLynx - 21031901-CRV.qld - [Chromatogram]

File Edit View Display Processing Window Help

210319D1_3 - ST210319D1-3 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	1.11e3	0.70	NO	1.00	1.000	26.14	1.001	0.500	99.9	0.0248	0.500
2	1,2,3,7,8-PeCDD	3.44e3	0.65	NO	0.96	1.000	30.64	1.001	2.36	94.4	0.0466	2.36
3	1,2,3,4,7,8-HxCDD	3.62e3	1.32	NO	1.16	1.000	33.91	1.000	2.48	99.1	0.0760	2.48
4	1,2,3,6,7,8-HxCDD	3.60e3	1.25	NO	1.04	1.000	34.05	1.001	2.49	99.5	0.0851	2.49
5	1,2,3,7,8,9-HxCDD	3.57e3	1.31	NO	1.06	1.000	34.33	1.000	2.44	97.5	0.0877	2.44
6	1,2,3,4,6,7,8-HpCDD	3.04e3	1.09	NO	1.06	1.000	37.69	1.000	2.51	100	0.0853	2.51
7	OCDD	4.79e3	0.87	NO	0.98	1.000	41.16	1.000	4.95	99.1	0.332	4.95
8	**2,3,7,8-TCDF**	**1.50e3**	**0.72**	**NO**	**0.99**	**1.000**	**25.45**	**1.001**	**0.509**	**102**	**0.0203**	**0.509**
9	1,2,3,7,8-PeCDF	5.92e3	1.66	NO	1.02	1.000	29.46	1.001	2.38	95.1	0.0494	2.38
10	2,3,4,7,8-PeCDF	6.65e3	1.67	NO	1.17	1.000	30.42	1.000	2.55	102	0.0419	2.55
11	1,2,3,4,7,8-HxCDF	5.75e3	1.20	NO	1.14	1.000	33.01	1.000	2.50	99.8	0.0475	2.50



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Last Altered: Monday, March 22, 2021 15:03:48 Pacific Daylight Time
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Name: 210319D1_3, Date: 19-Mar-2021, Time: 09:06:00, ID: ST210319D1-3 1613 CS1 20H2519, Description: 1613 CS1 20H2519

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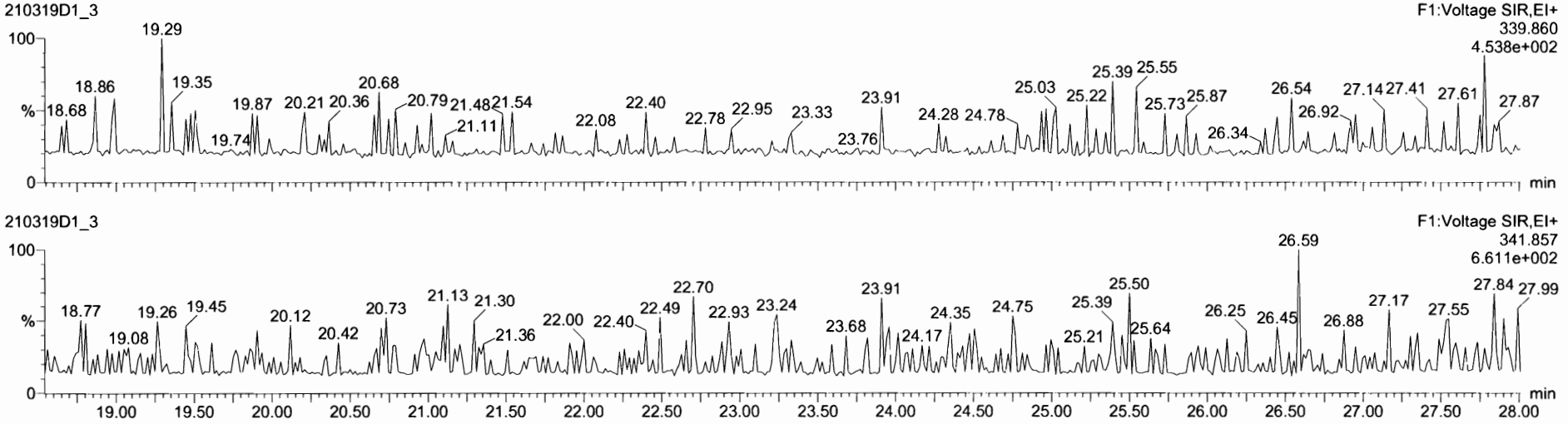
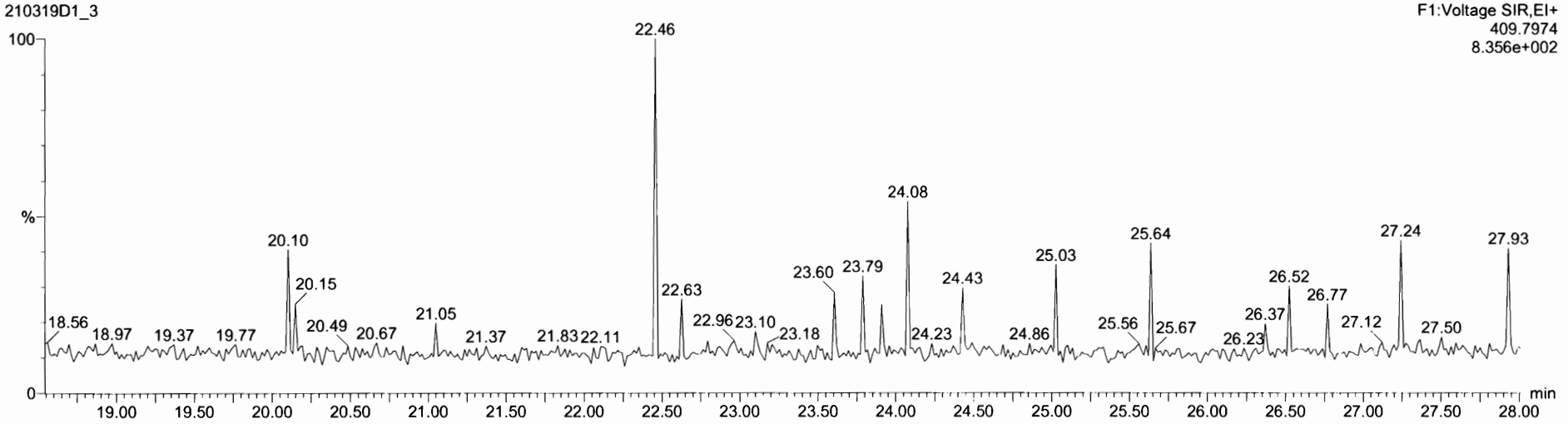


DPE6



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Last Altered: Monday, March 22, 2021 15:03:48 Pacific Daylight Time
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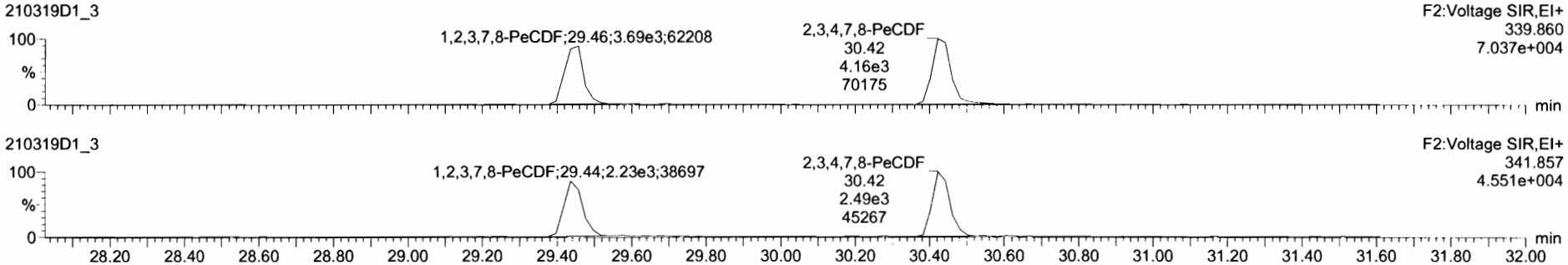
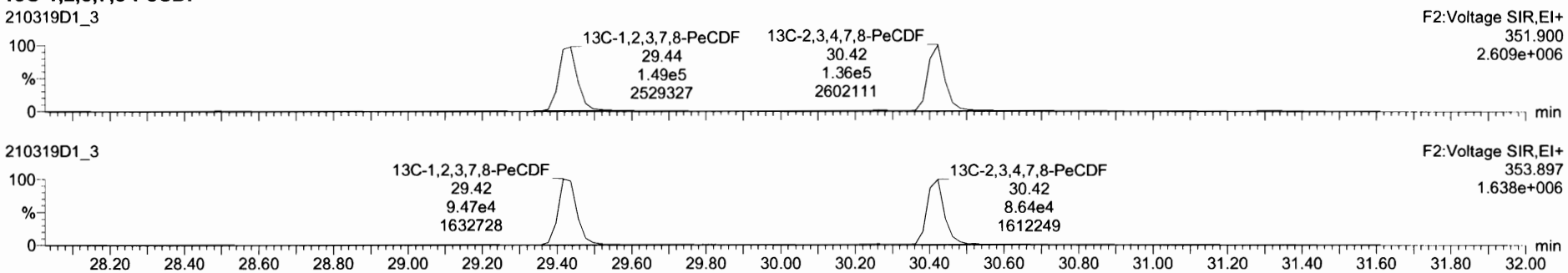
Name: 210319D1_3, Date: 19-Mar-2021, Time: 09:06:00, ID: ST210319D1-3 1613 CS1 20H2519, Description: 1613 CS1 20H2519

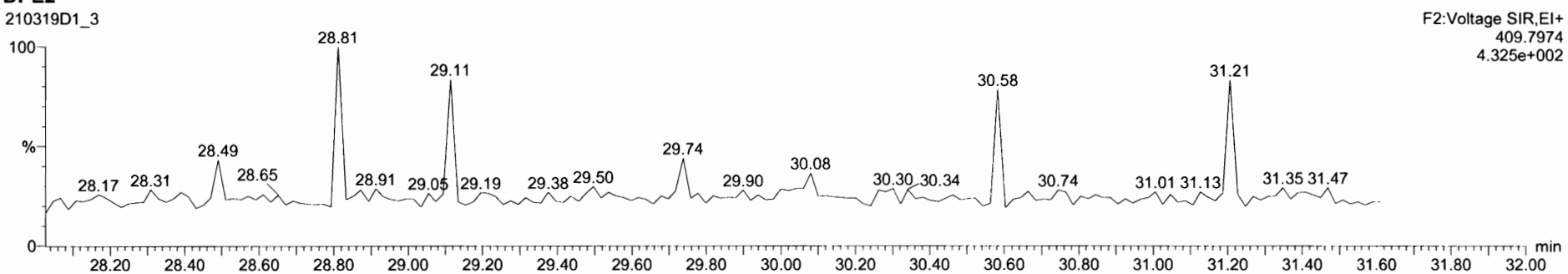
1,2,3,7,8-PeCDF



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



DPE2



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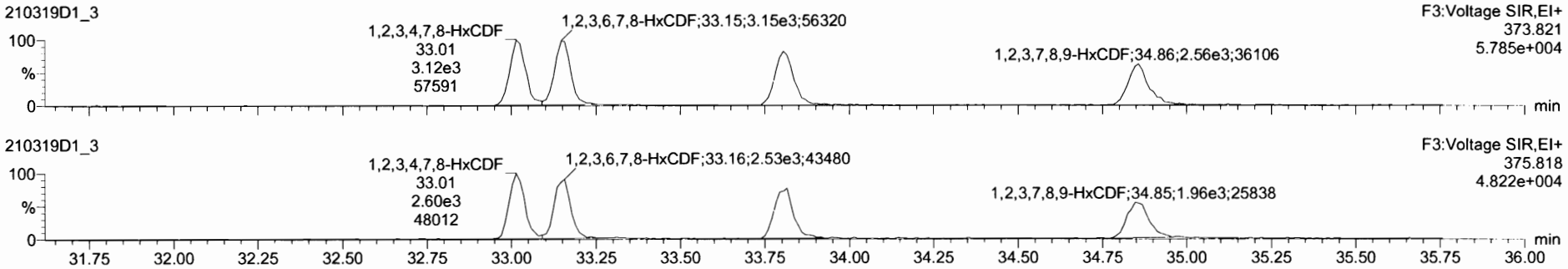
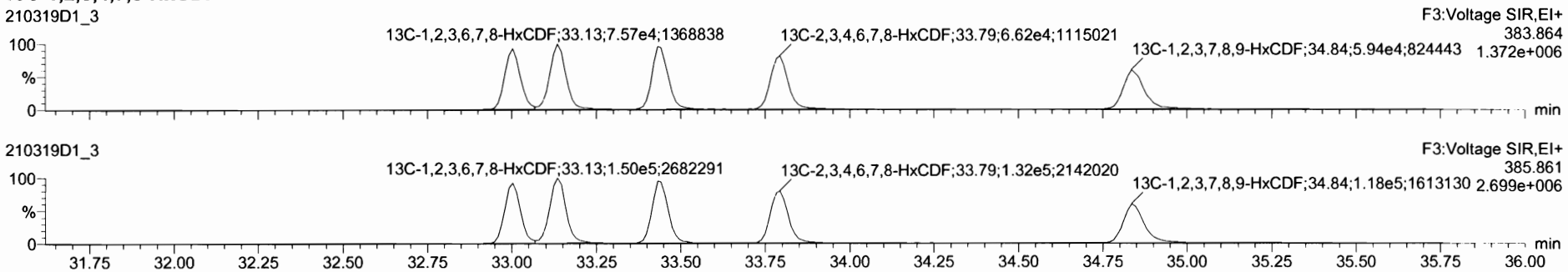
Name: 210319D1_3, Date: 19-Mar-2021, Time: 09:06:00, ID: ST210319D1-3 1613 CS1 20H2519, Description: 1613 CS1 20H2519

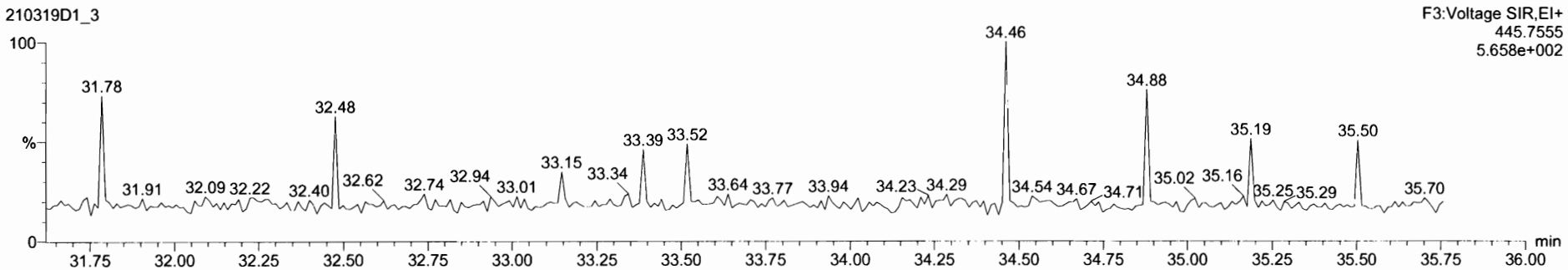
1,2,3,4,7,8-HxCDF

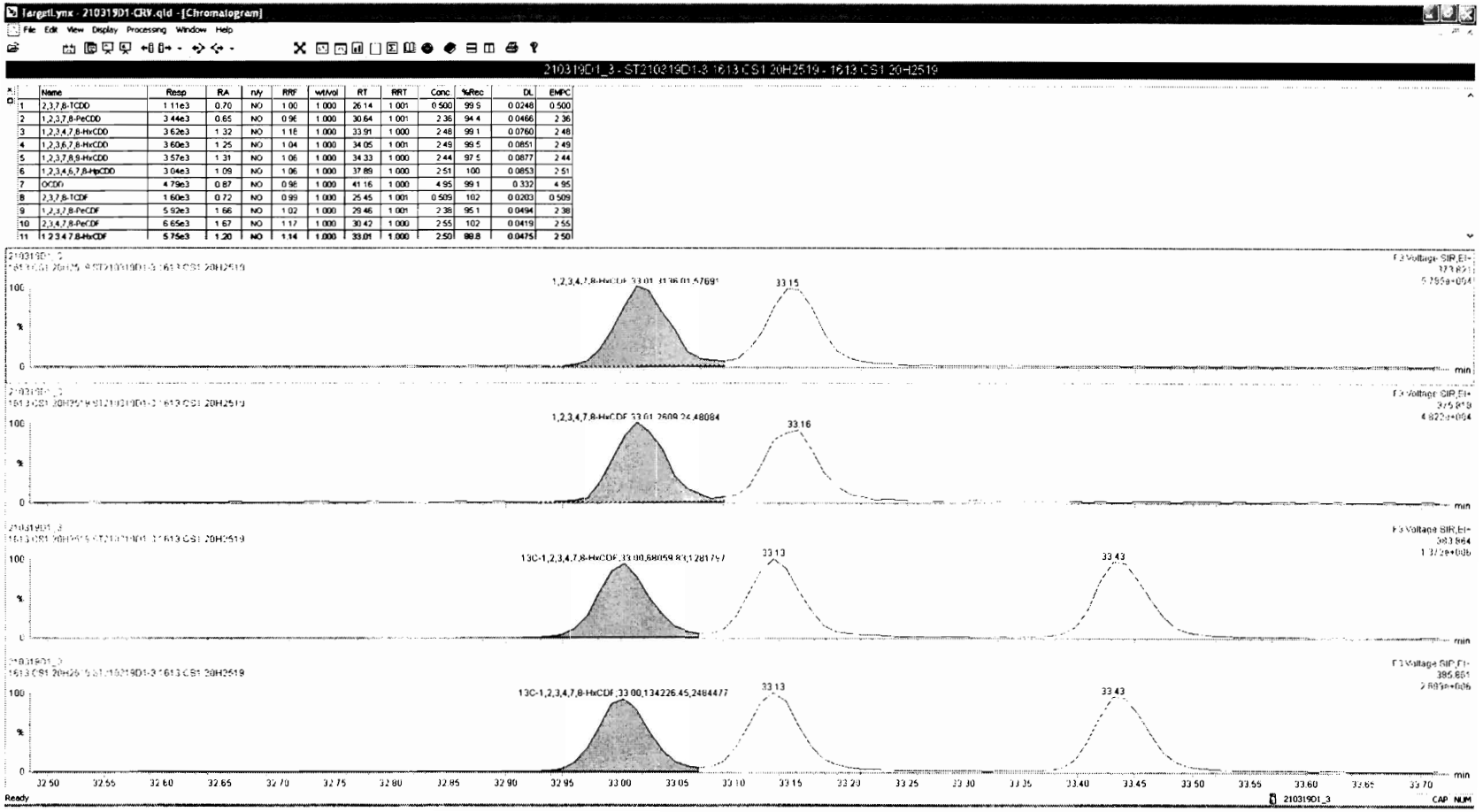


13C-1,2,3,4,7,8-HxCDF



DPE3





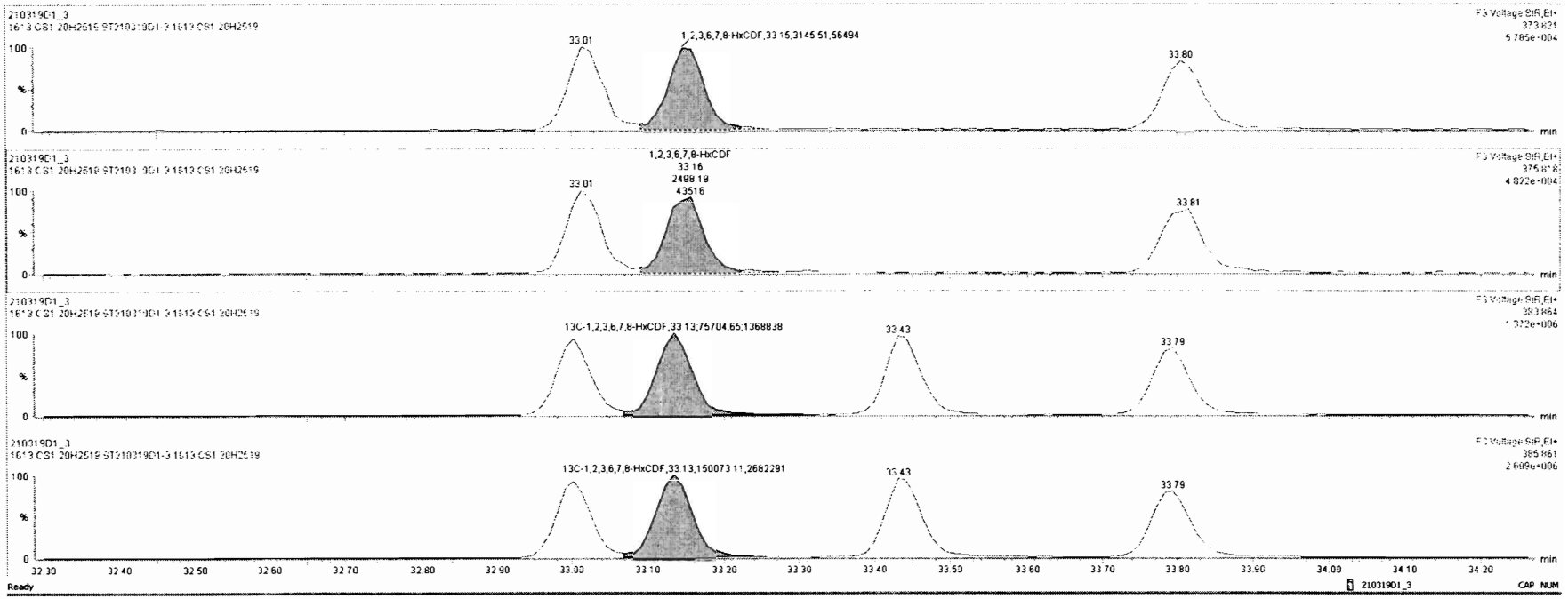
	Name	Resp	RA	nY	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.11e3	0.70	NO	1.00	1.000	26.14	1.001	0.500	99.5	0.0248	0.500
2	1,2,3,7,8-PeCDD	3.44e3	0.65	NO	0.96	1.000	30.64	1.001	2.36	94.4	0.0466	2.36
3	1,2,3,4,7,8-HxCDD	3.62e3	1.32	NO	1.18	1.000	33.91	1.000	2.48	99.1	0.0760	2.48
4	1,2,3,6,7,8-HxCDD	3.60e3	1.25	NO	1.04	1.000	34.05	1.001	2.49	99.5	0.0851	2.49
5	1,2,3,7,8,9-HxCDD	3.57e3	1.31	NO	1.06	1.000	34.33	1.000	2.44	97.5	0.0877	2.44
6	1,2,3,4,6,7,8-HpCDD	3.04e3	1.09	NO	1.06	1.000	37.89	1.000	2.51	100	0.0853	2.51
7	OCDD	4.79e3	0.87	NO	0.98	1.000	41.16	1.000	4.95	99.1	0.332	4.95
8	2,3,7,8-TCDF	1.60e3	0.72	NO	0.99	1.000	25.45	1.001	0.509	102	0.0203	0.509
9	1,2,3,7,8-PeCDF	5.92e3	1.66	NO	1.02	1.000	29.46	1.001	2.38	95.1	0.0494	2.38
10	2,3,4,7,8-PeCDF	6.65e3	1.67	NO	1.17	1.000	30.42	1.000	2.55	102	0.0419	2.55
11	1,2,3,4,7,8-HxCDF	5.75e3	1.20	NO	1.14	1.000	33.01	1.000	2.50	99.8	0.0475	2.50

TargetLynx - 2103191D1-CRV.qld - [Chromatogram]

File Edit View Display Processing Window Help

2103191D1_3 - ST2103191D1-3 1613 CS1 20H2519 - 1613 CS1 20H2519

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
12	1,2,3,6,7,8-HxCDF	5.64e3	1.26	NO	1.04	1.000	33.15	1.000	2.40	98.0	0.0484	2.40
13	2,3,4,6,7,8-HxCDF	5.46e3	1.26	NO	1.13	1.000	33.80	1.000	2.44	97.8	0.0547	2.44
14	1,2,3,7,8,9-HxCDF	4.57e3	1.25	NO	1.07	1.000	34.86	1.001	2.40	96.1	0.0779	2.40
15	1,2,3,4,6,7,8-HpCDF	4.61e3	1.03	NO	1.11	1.000	36.53	1.001	2.56	102	0.0858	2.56
16	1,2,3,4,7,8,9-HpCDF	3.80e3	0.99	NO	1.32	1.000	38.50	1.000	2.46	98.2	0.108	2.46
17	OCDF	6.53e3	0.87	NO	0.93	1.000	41.45	1.000	4.93	98.5	0.157	4.93
18	13C-2,3,7,8-TCDD	2.23e5	0.81	NO	1.20	1.000	26.11	1.028	101	101	0.172	
19	13C-1,2,3,7,8-PeCDD	1.51e5	0.62	NO	0.86	1.000	30.62	1.205	95.0	95.0	0.137	
20	13C-1,2,3,4,7,8-HxCDD	1.23e5	1.30	NO	0.60	1.000	33.90	1.014	96.0	96.0	0.214	
21	13C-1,2,3,6,7,8-HxCDD	1.39e5	1.23	NO	0.67	1.000	34.02	1.018	96.2	96.2	0.190	
22	13C-1,2,3,7,8,9-HxCDD	1.38e5	1.23	NO	0.68	1.000	34.32	1.027	95.1	95.1	0.189	



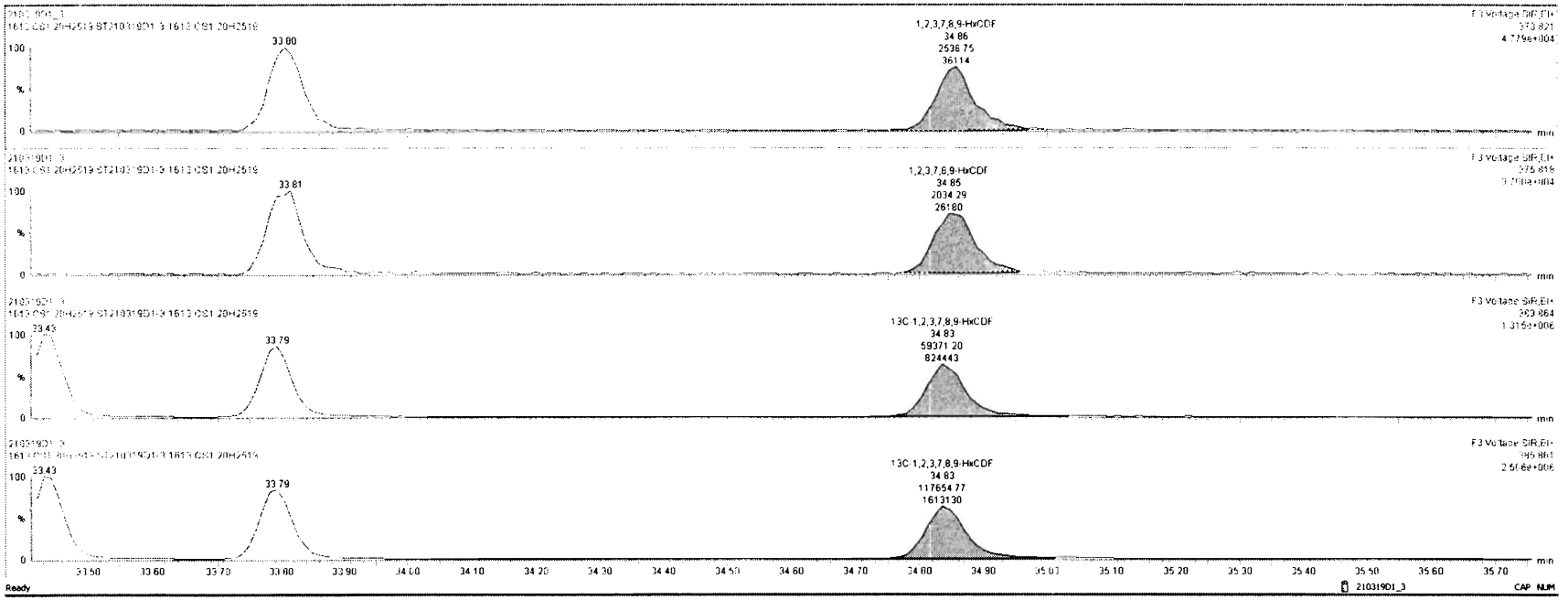
Ready 2103191D1_3 CAP NUM

TargetLynx - 210319D1-CRV.qld - [Chromatogram]

File Edit View Display Processing Window Help

210319D1_3 - ST210319D1-3 1613-CS1 20H2519 - 1613-CS1 20H2519

	Name	Resp	RA	nAv	RRF	wtAvg	RT	RRT	Conc.	%Rec	DL	EMPC
12	1,2,3,6,7,8-HxCDF	5.64e3	1.26	NO	1.04	1.000	33.15	1.000	2.40	96.0	0.0484	2.40
13	2,3,4,6,7,8-HxCDF	5.46e3	1.26	NO	1.13	1.000	33.80	1.000	2.44	97.8	0.0547	2.44
14	1,2,3,7,8,9-HxCDF	4.57e3	1.25	NO	1.07	1.000	34.86	1.001	2.40	96.1	0.0779	2.40
15	1,2,3,4,6,7,8-HpCDF	4.61e3	1.03	NO	1.11	1.000	36.53	1.001	2.56	102	0.0858	2.56
16	1,2,3,4,7,8,9-HpCDF	3.80e3	0.99	NO	1.32	1.000	38.50	1.000	2.46	98.2	0.108	2.46
17	OCDF	6.53e3	0.87	NO	0.93	1.000	41.45	1.000	4.93	98.5	0.157	4.93
18	13C-2,3,7,8-TCDD	2.23e5	0.81	NO	1.20	1.000	26.11	1.028	101	101	0.172	
19	13C-1,2,3,7,8-PeCDD	1.51e5	0.62	NO	0.86	1.000	30.62	1.205	95.0	95.0	0.137	
20	13C-1,2,3,4,7,8-HxCDD	1.23e5	1.30	NO	0.60	1.000	33.90	1.014	96.0	96.0	0.214	
21	13C-1,2,3,6,7,8-HxCDD	1.39e5	1.23	NO	0.67	1.000	34.02	1.018	96.2	96.2	0.190	
22	13C-1,2,3,7,8,9-HxCDD	1.38e5	1.23	NO	0.68	1.000	34.32	1.027	95.1	95.1	0.189	



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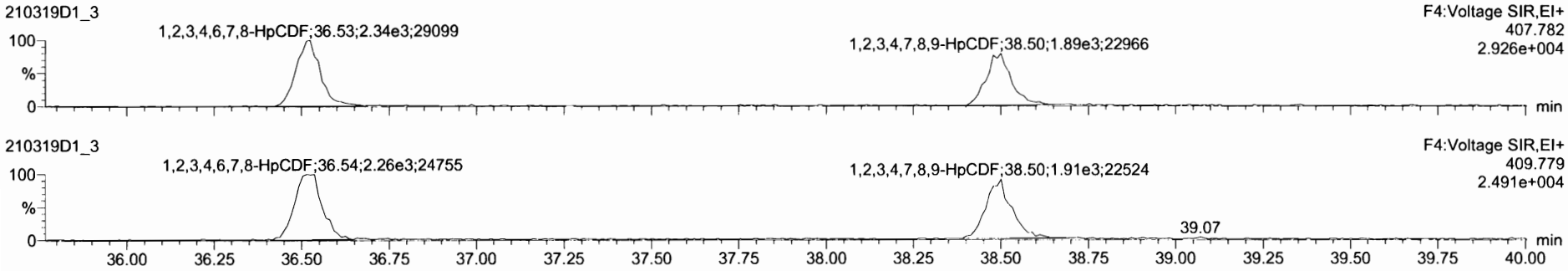
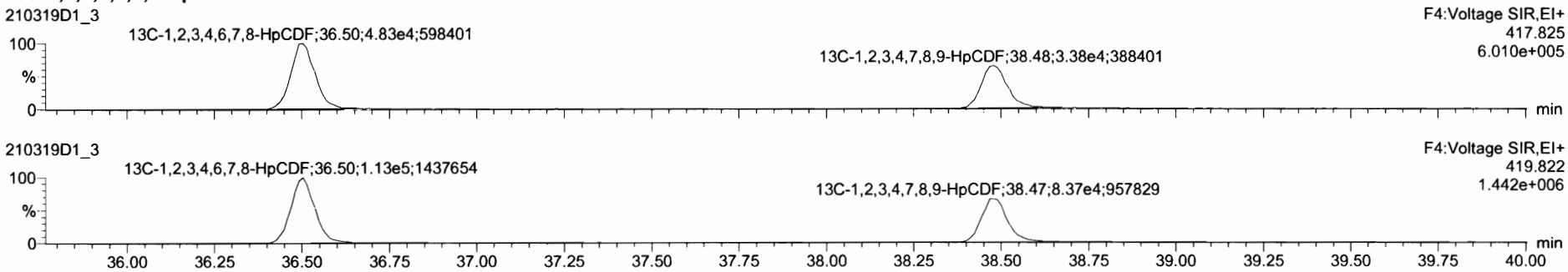
Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

Name: 210319D1_3, Date: 19-Mar-2021, Time: 09:06:00, ID: ST210319D1-3 1613 CS1 20H2519, Description: 1613 CS1 20H2519

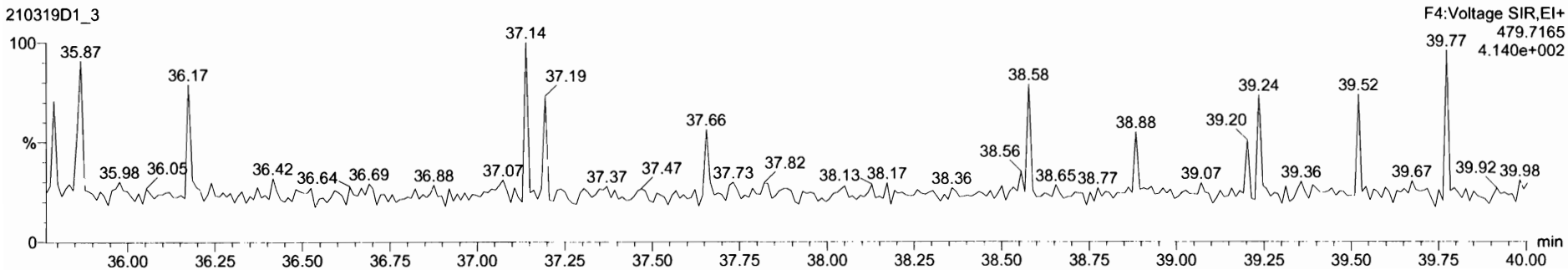
1,2,3,4,6,7,8-HpCDF



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



DPE4



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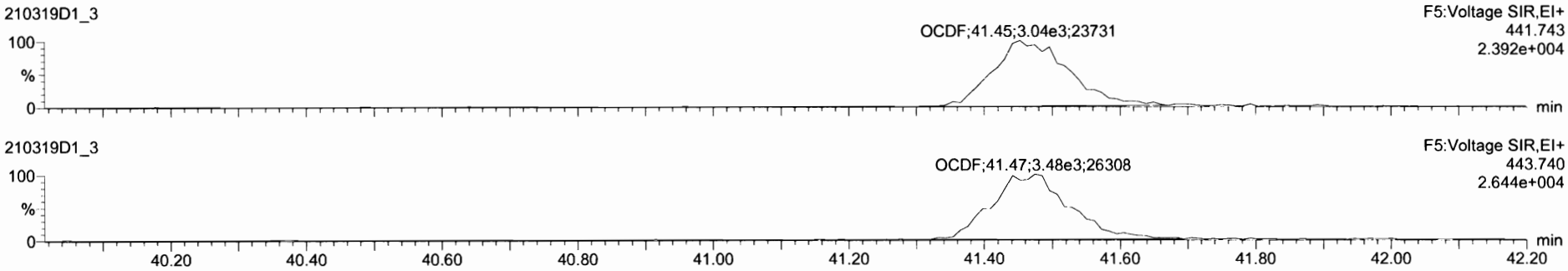
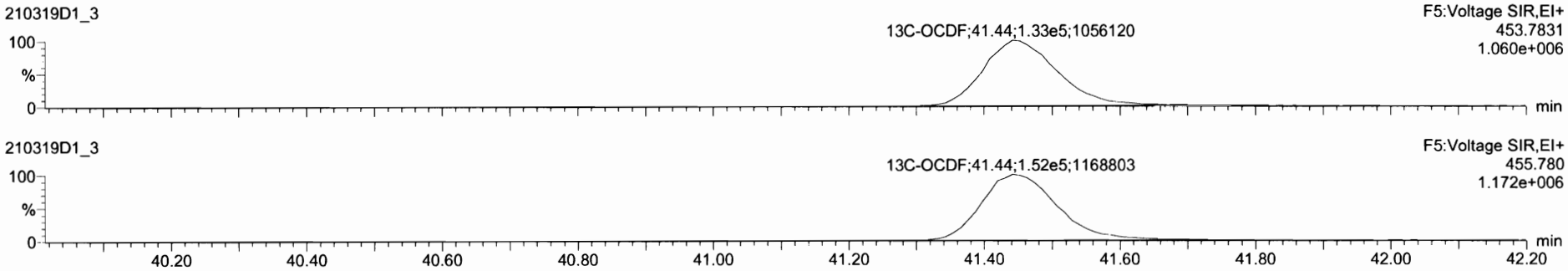
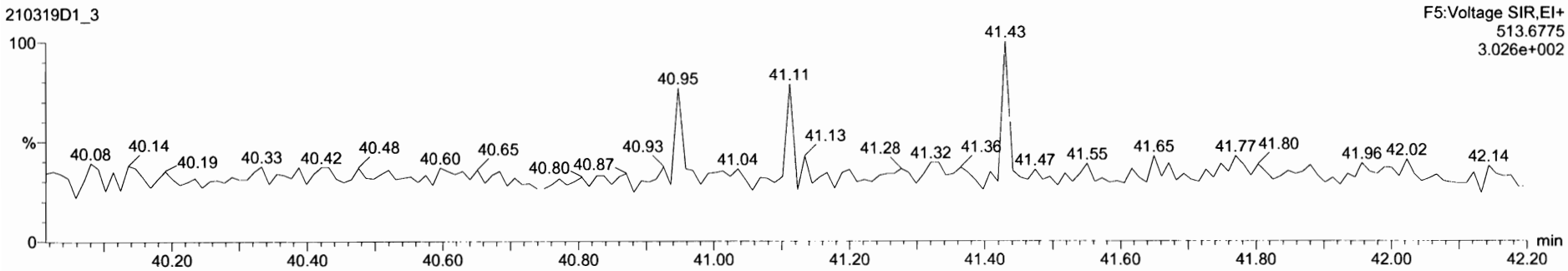
OCDF



13C-OCDF



DPE5



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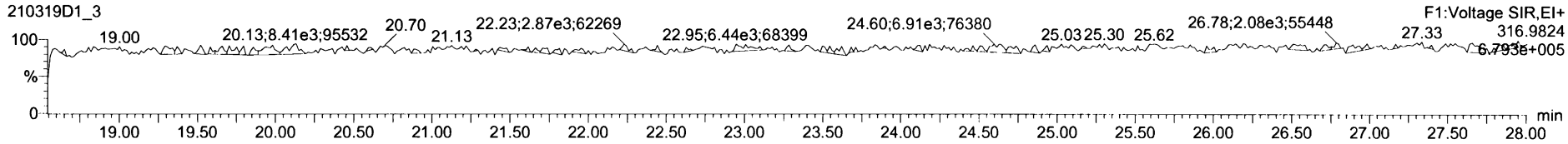
Name: 210319D1_3, Date: 19-Mar-2021, Time: 09:06:00, ID: ST210319D1-3 1613 CS1 20H2519, Description: 1613 CS1 20H2519

PFK1



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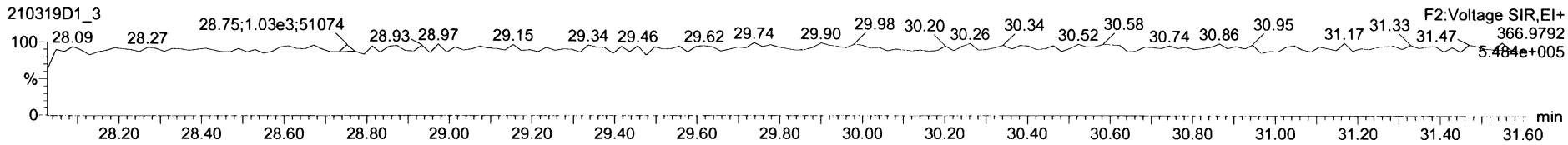

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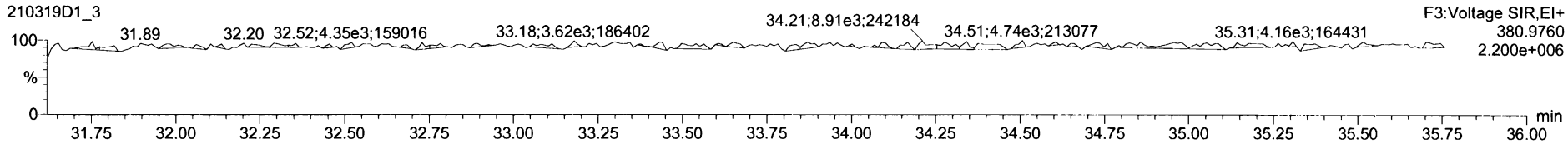

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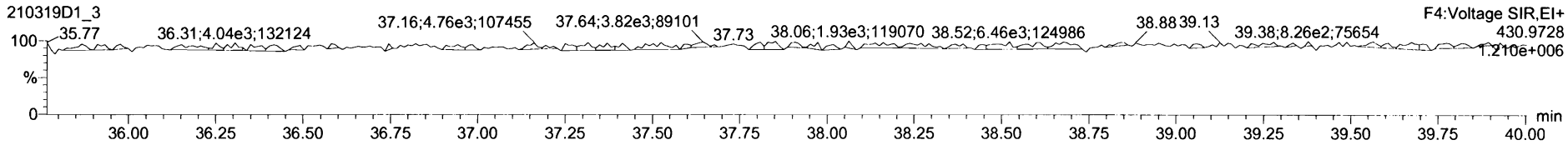

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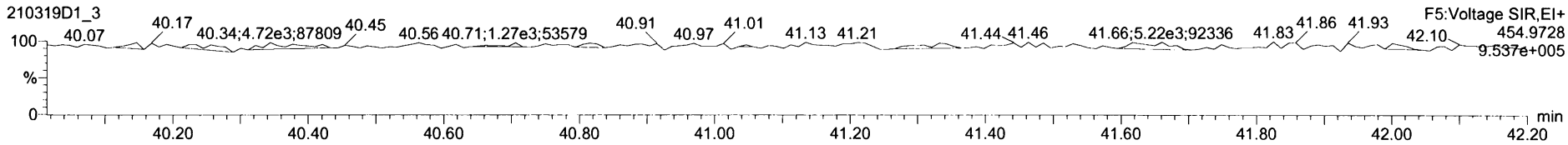

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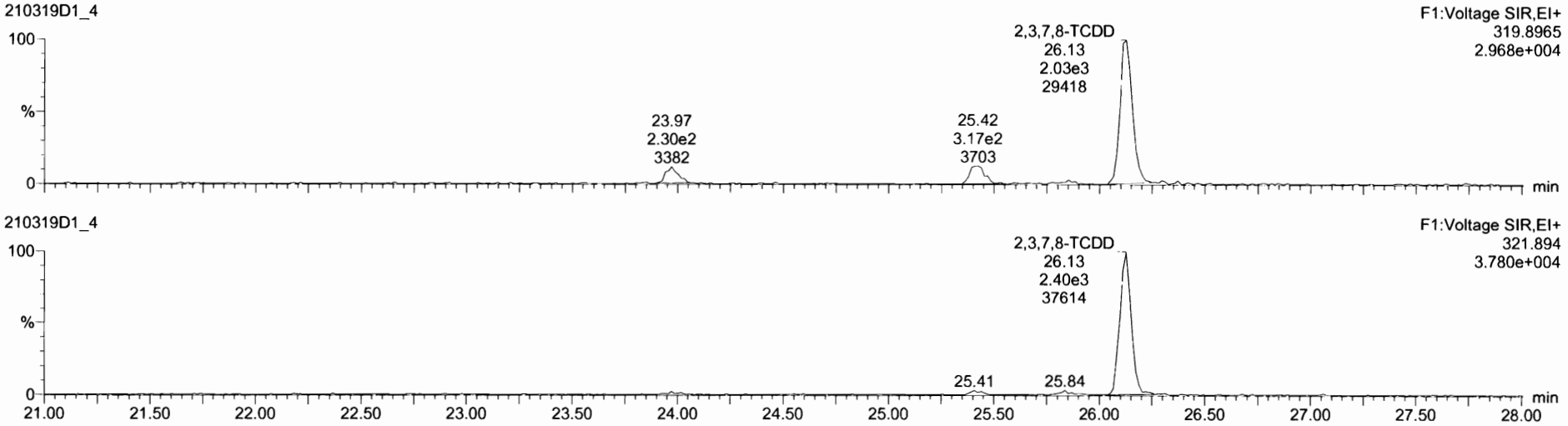
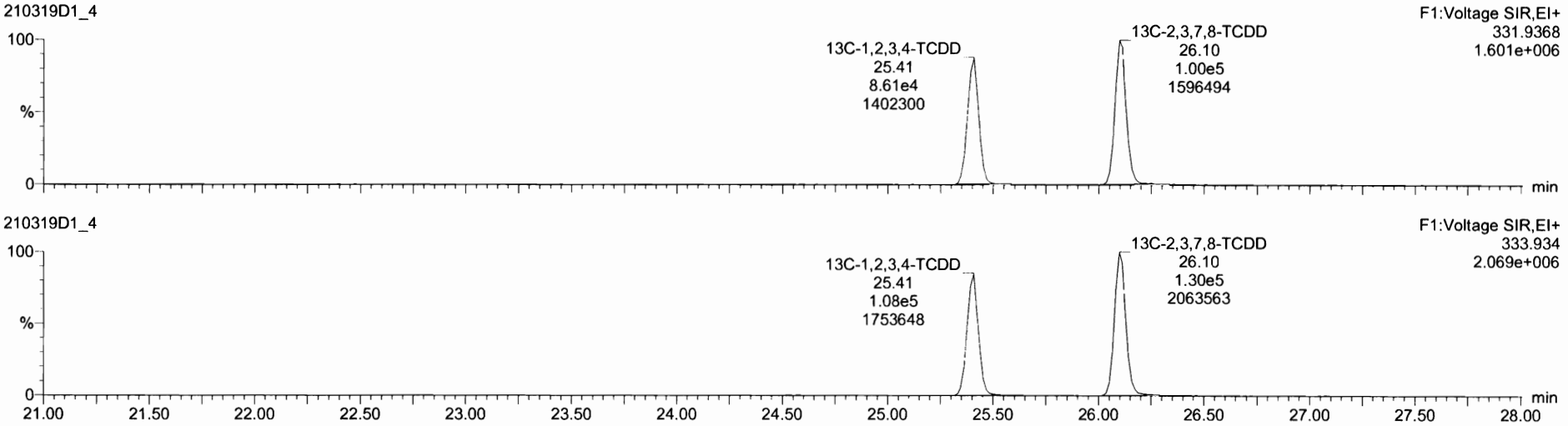
Name: 210319D1_4, Date: 19-Mar-2021, Time: 09:54:06, ID: ST210319D1-4 1613 CS2 20H2520, Description: 1613 CS2 20H2520

2,3,7,8-TCDD



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



Vista Analytical Laboratory

Dataset: Untitled

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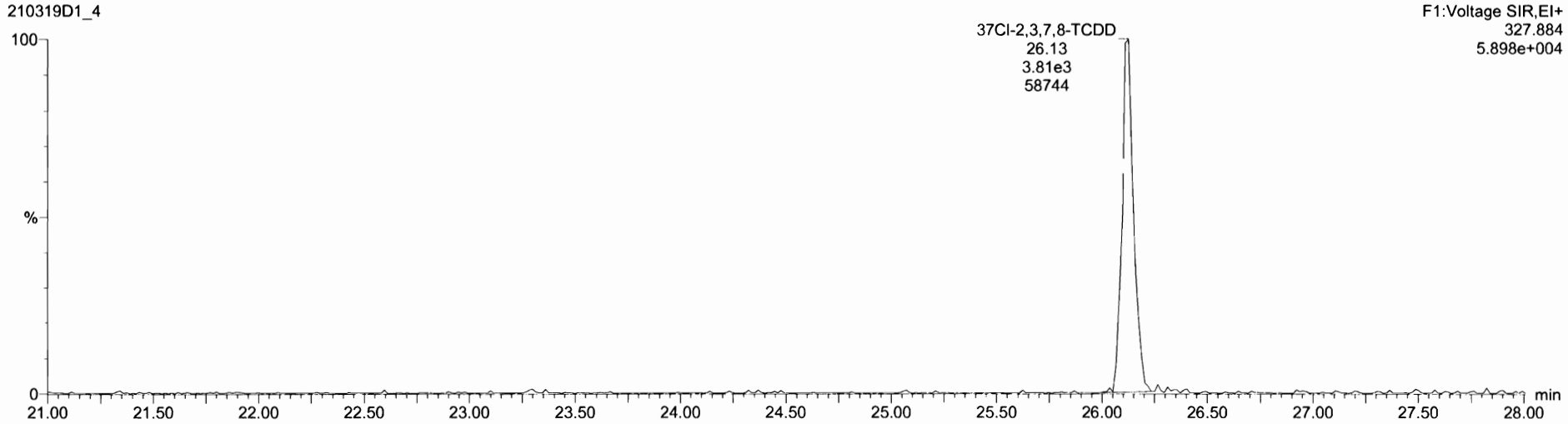
37Cl-2,3,7,8-TCDD



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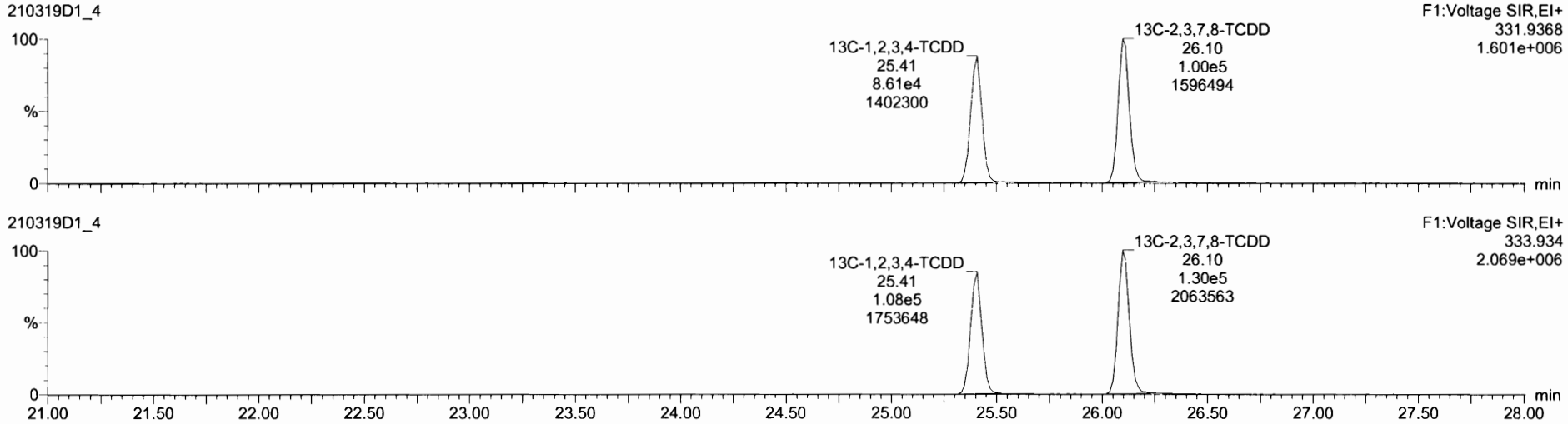

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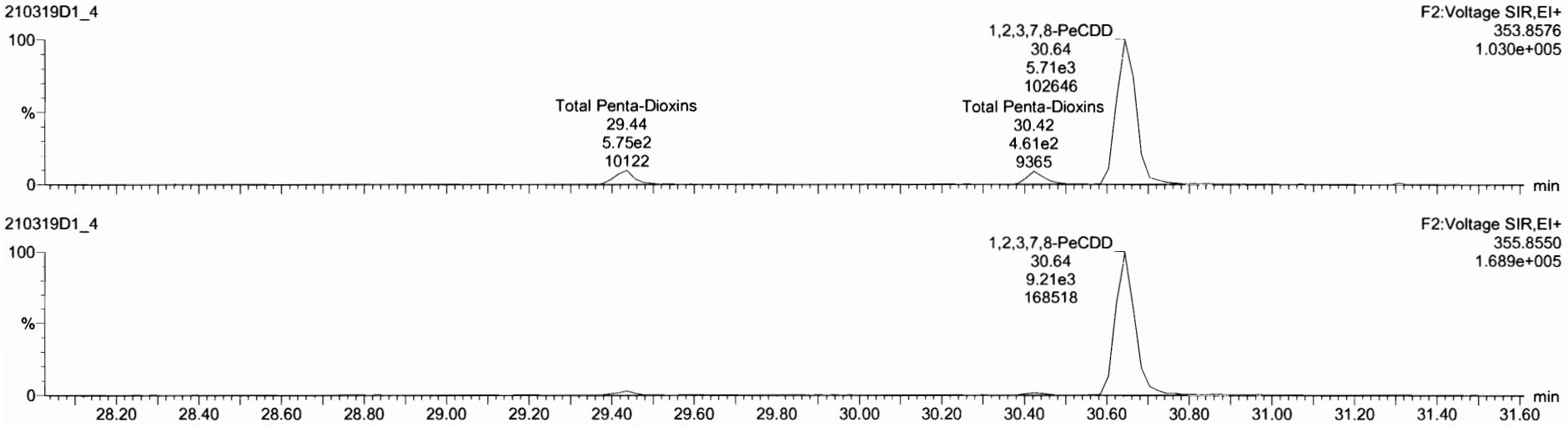
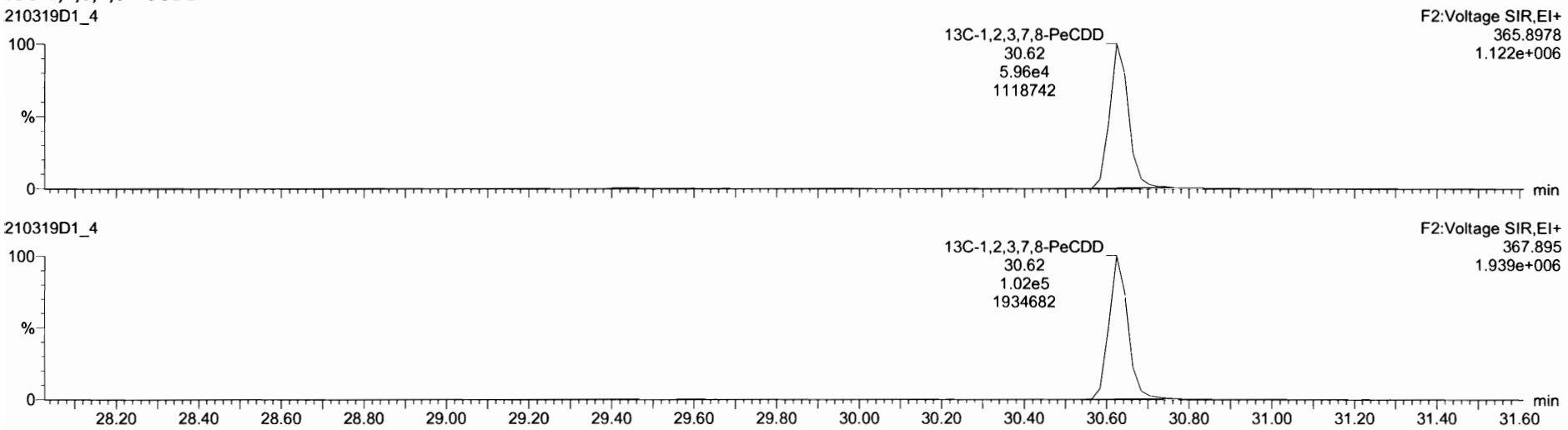
1,2,3,7,8-PeCDD



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



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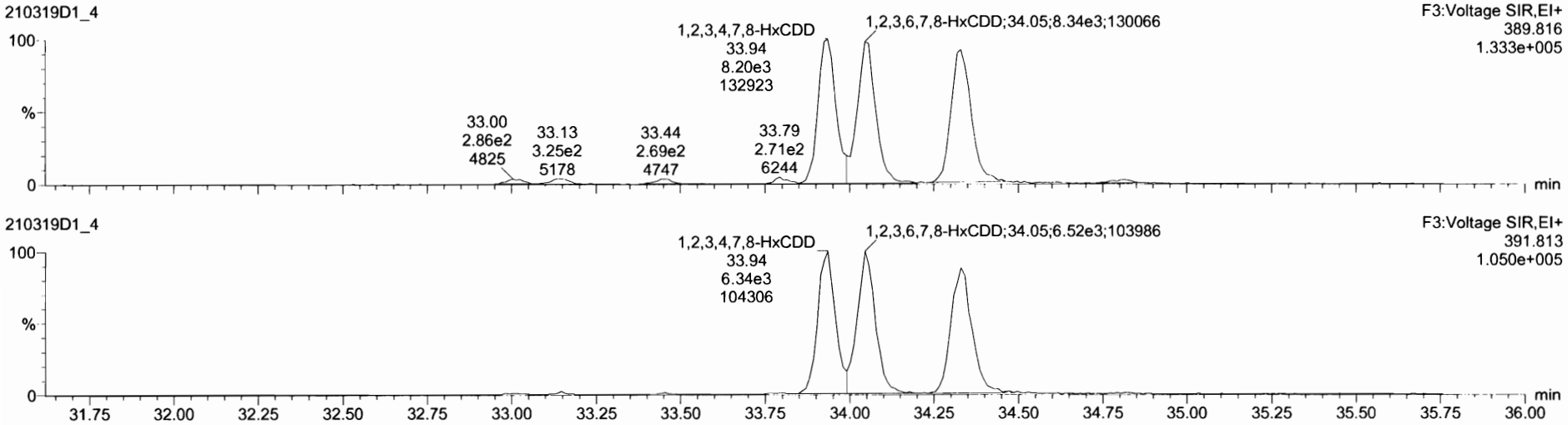
1,2,3,4,7,8-HxCDD



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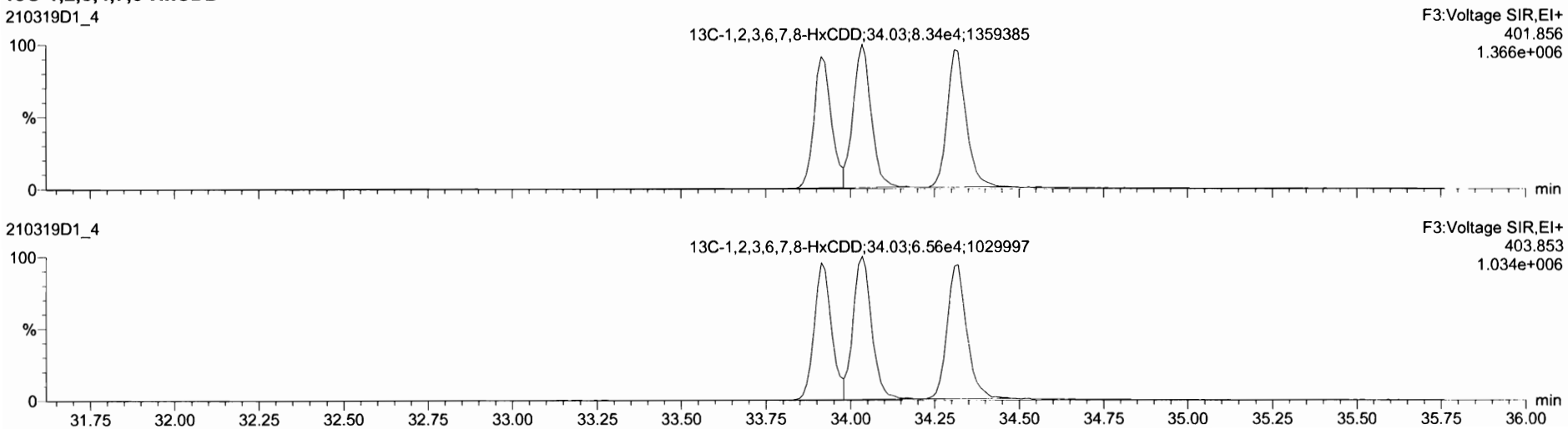

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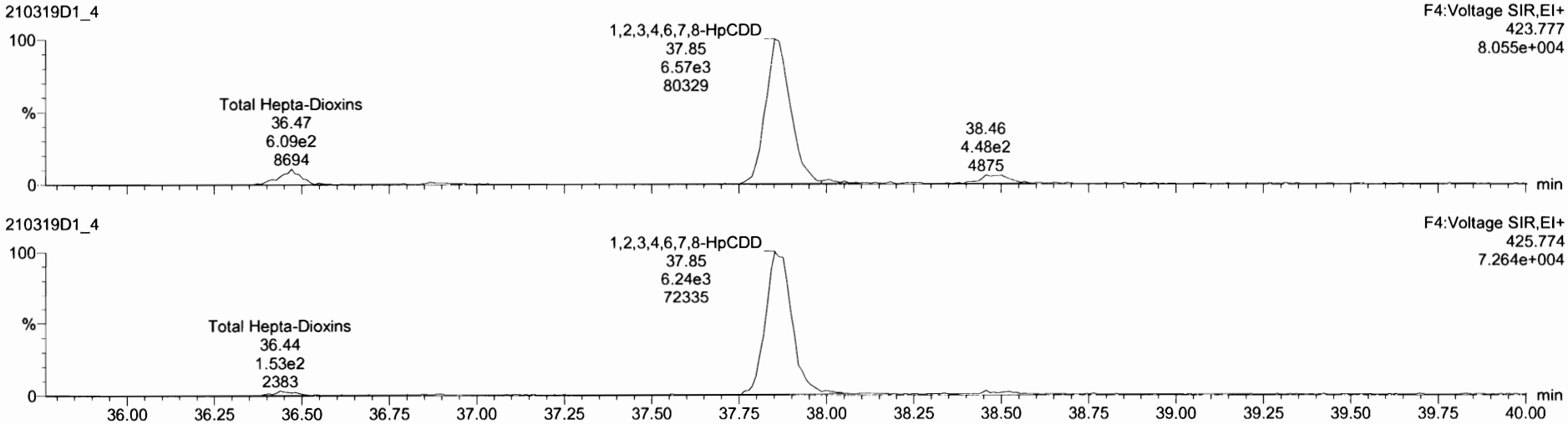
1,2,3,4,6,7,8-HpCDD



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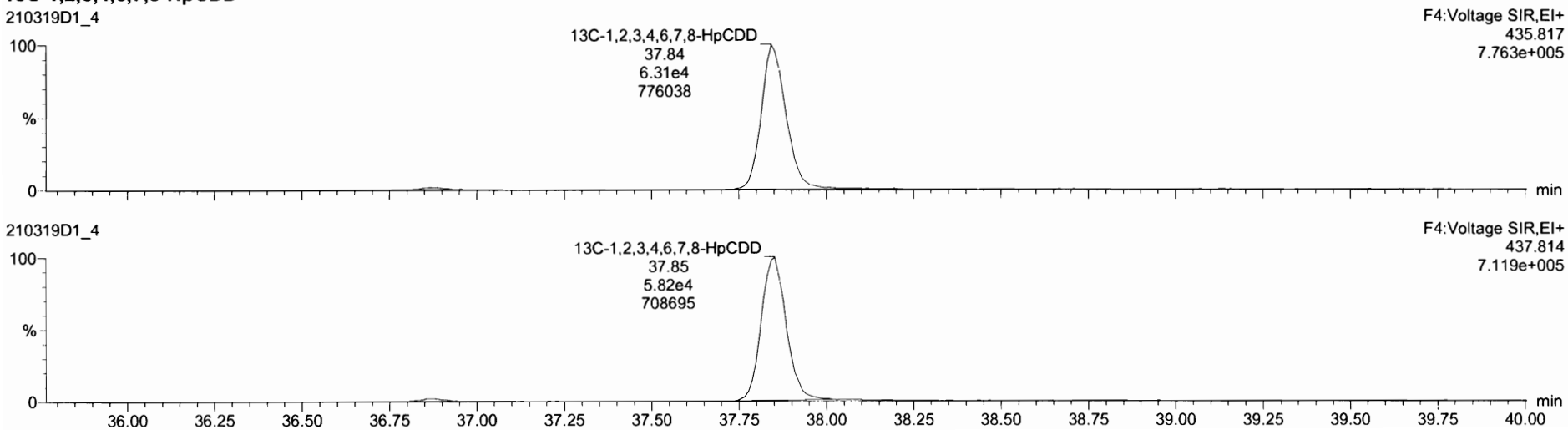

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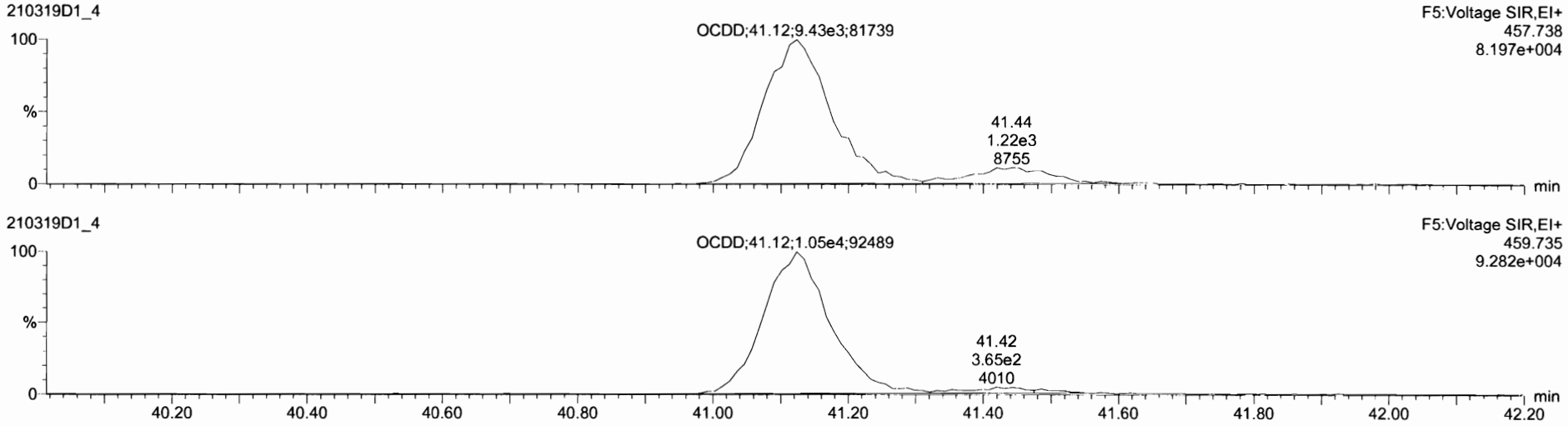
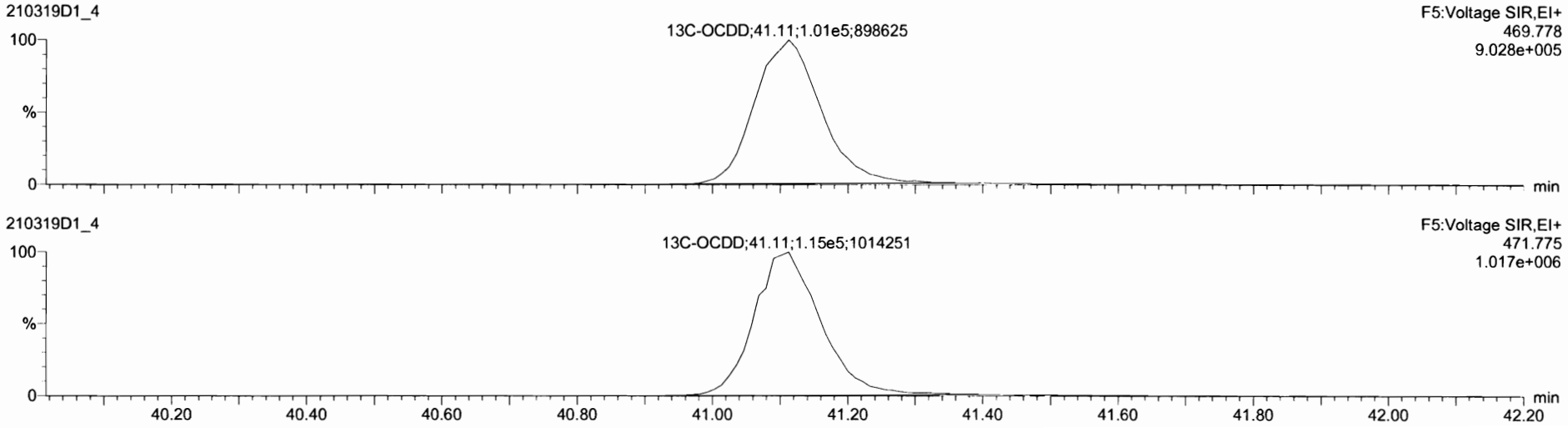
OCDD



13C-OCDD



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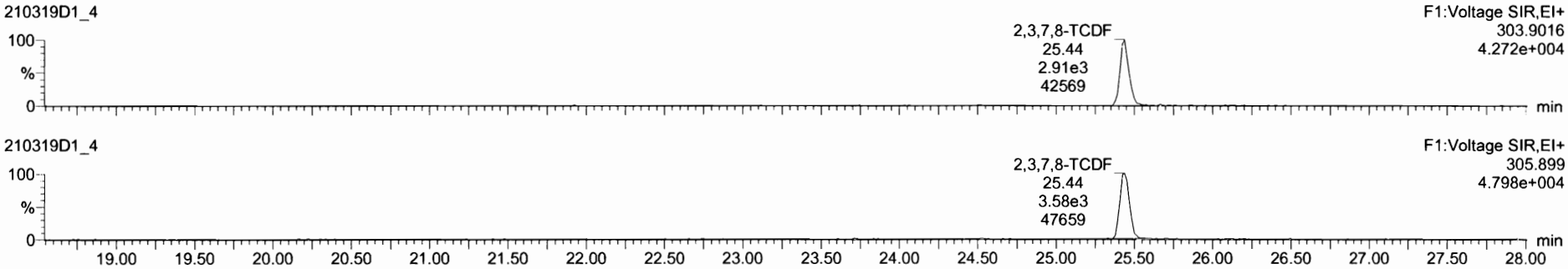
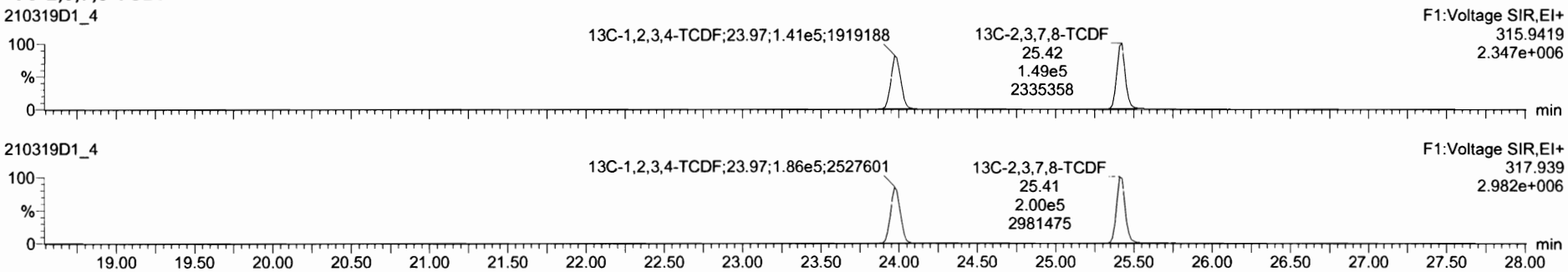
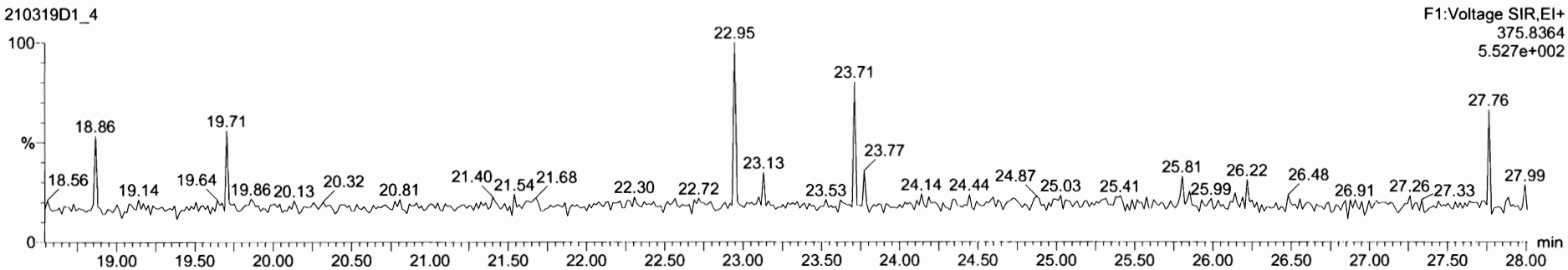
2,3,7,8-TCDF



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



DPE1



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Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

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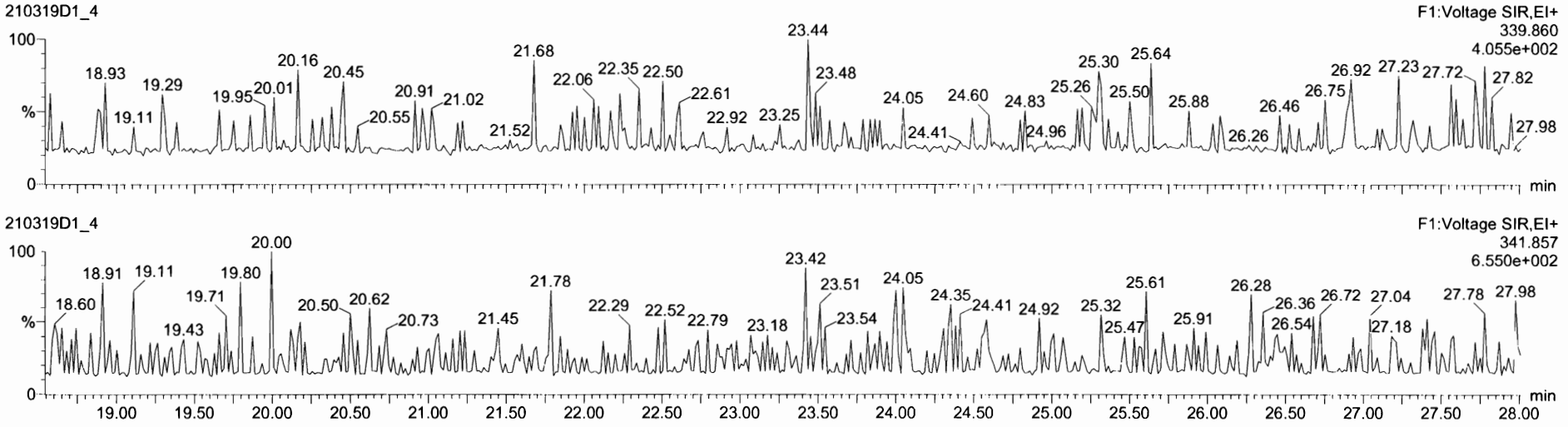

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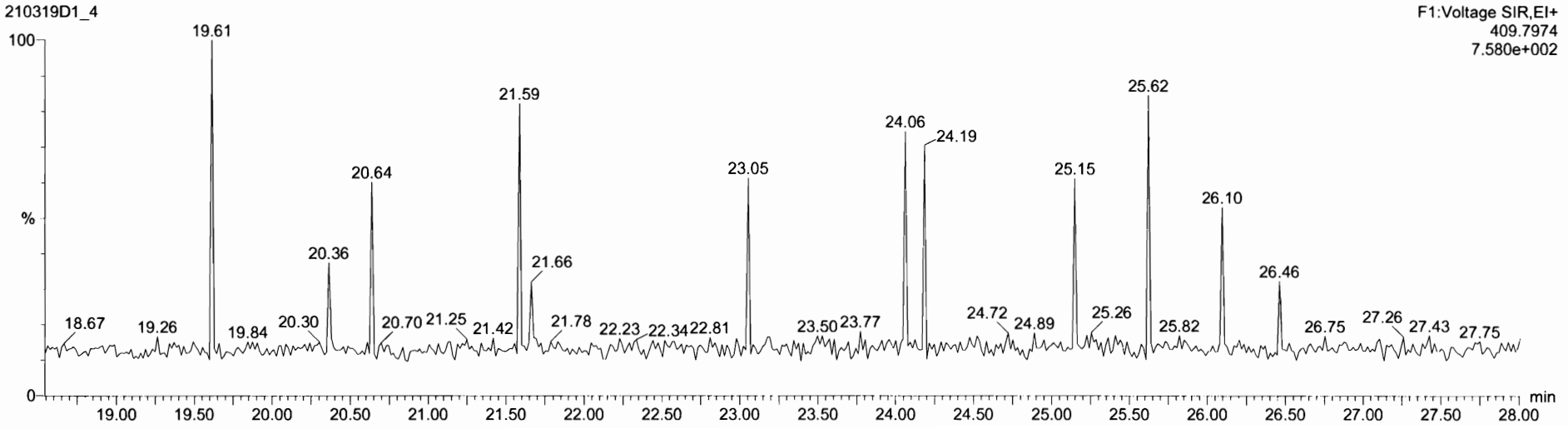

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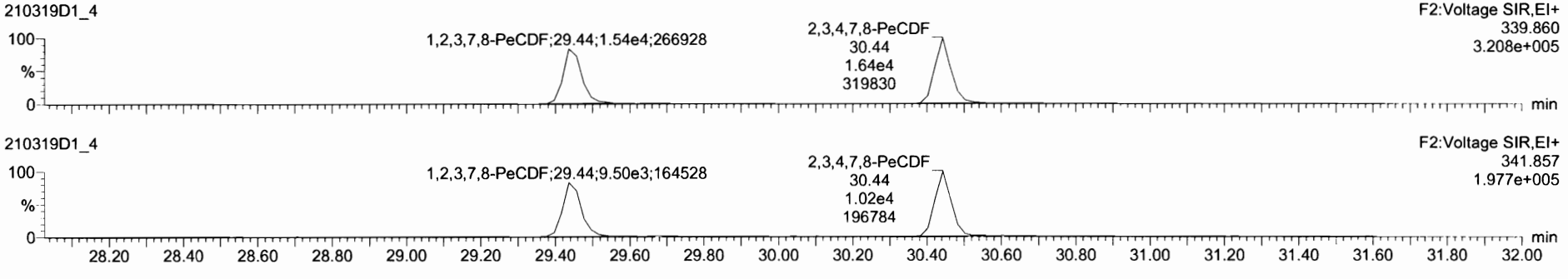
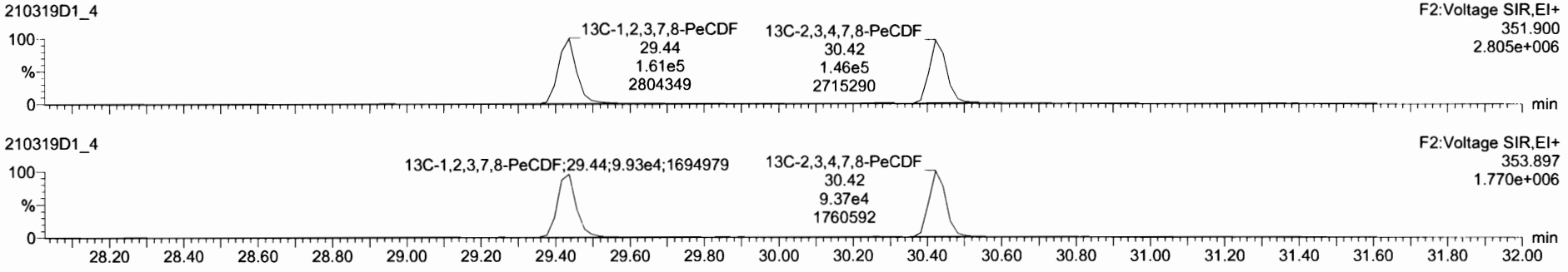
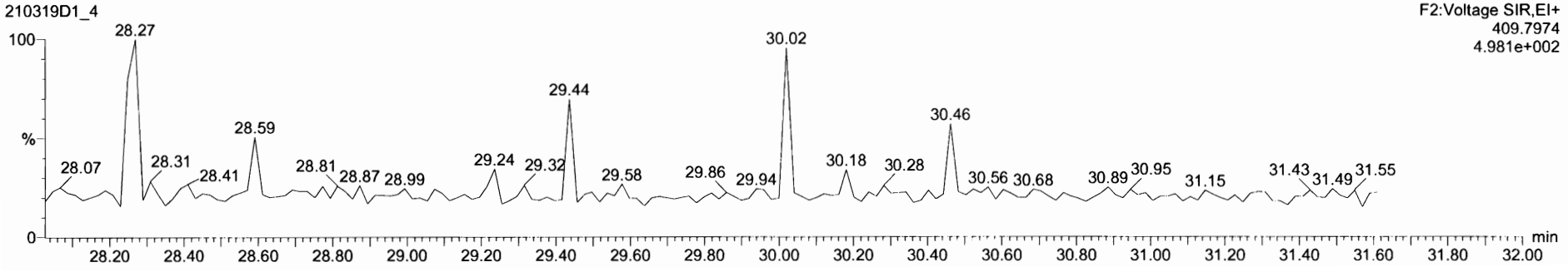
1,2,3,7,8-PeCDF



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



DPE2



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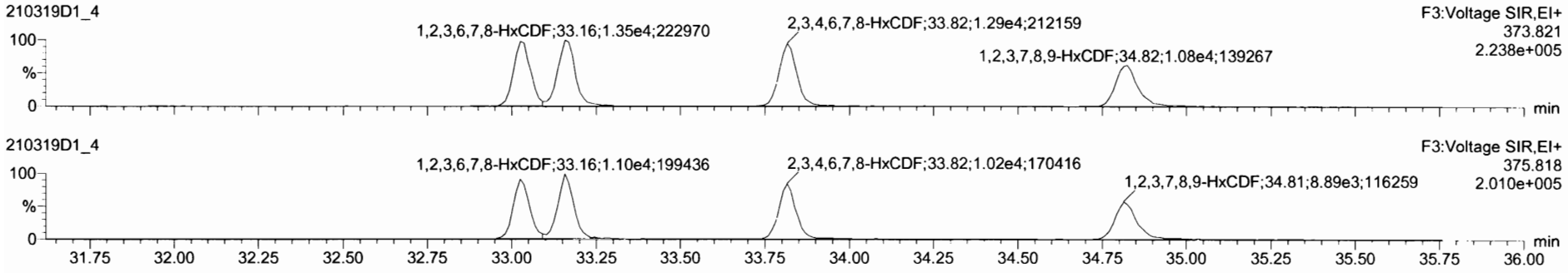
Name: 210319D1_4, Date: 19-Mar-2021, Time: 09:54:06, ID: ST210319D1-4 1613 CS2 20H2520, Description: 1613 CS2 20H2520

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



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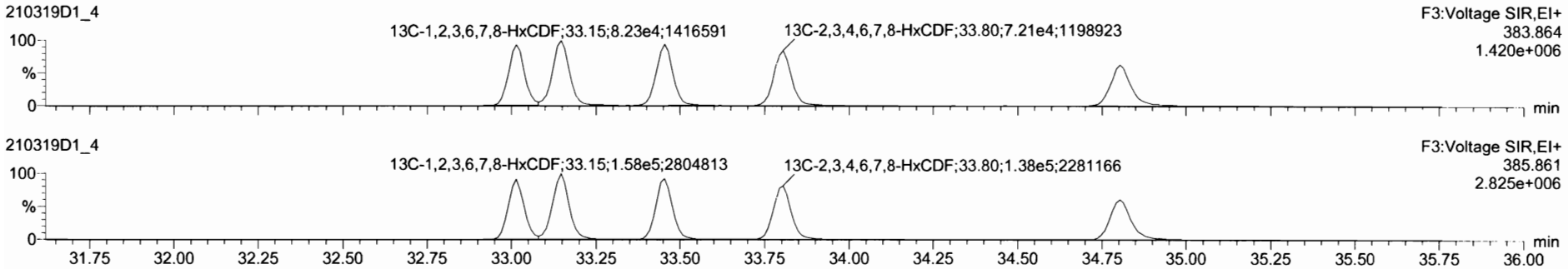

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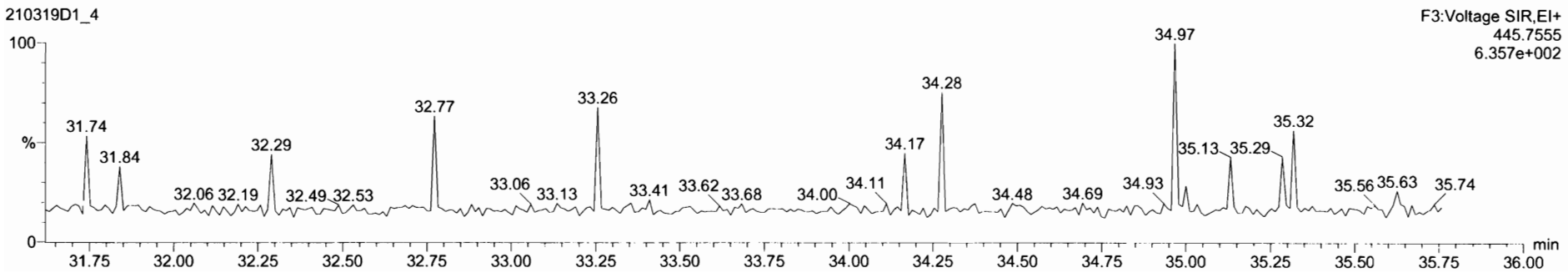

TargetLynx - 210319D1-CRV.qld - [Chromatogram]

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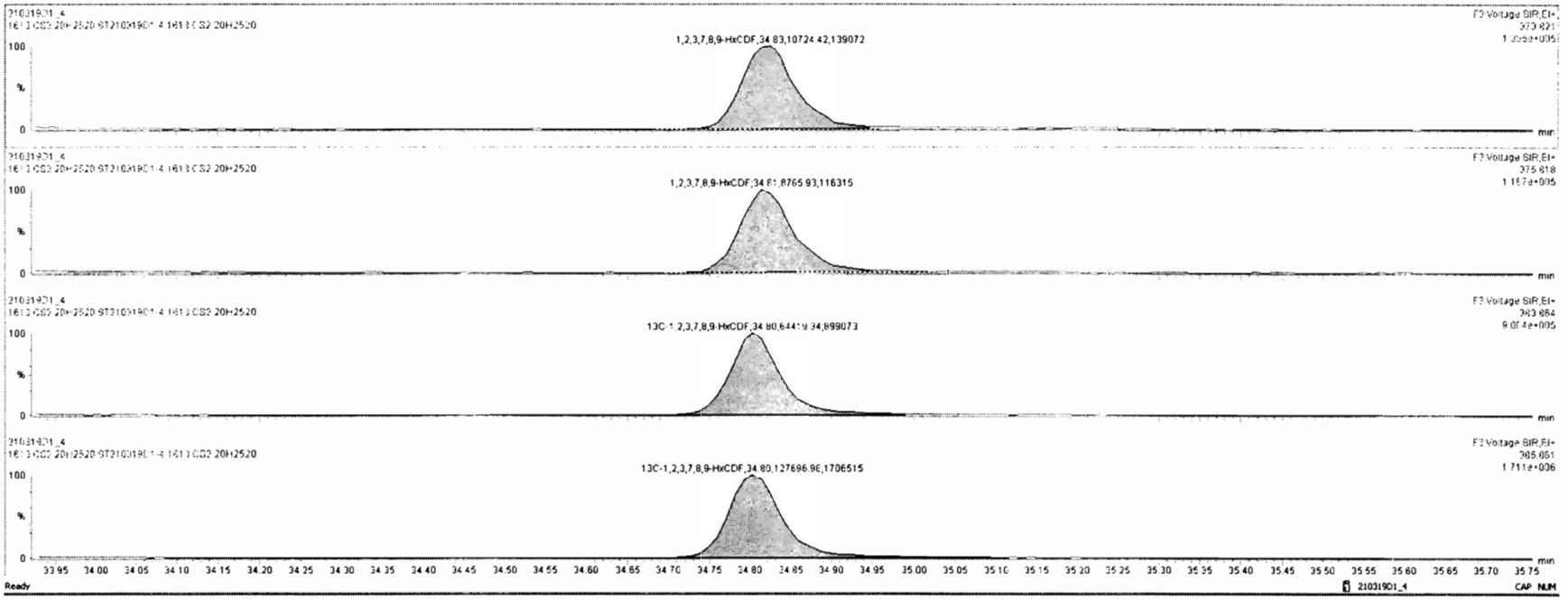
210319D1_4 - ST210319D1-4 1613 CS2 20H2520 - 1613 CS2 20H2520

	Name	Resp	RA	rdy	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
12	1,2,3,6,7,8-HxCDF	2.45e4	1.24	NO	1.04	1.000	33.16	1.000	9.76	97.6	0.0824	9.77
13	2,3,4,6,7,8-HxCDF	2.31e4	1.27	NO	1.13	1.000	33.81	1.000	9.73	97.3	0.0902	9.73
14	1,2,3,7,8,9-HxCDF	1.85e4	1.22	NO	1.07	1.000	34.83	1.001	9.44	94.4	0.123	9.44
15	1,2,3,4,6,7,8-HpCDF	1.85e4	1.02	NO	1.11	1.000	36.47	1.000	9.55	95.5	0.124	9.55
16	1,2,3,4,7,8,9-HpCDF	1.59e4	1.04	NO	1.32	1.000	38.50	1.000	9.92	99.2	0.172	9.92
17	OCDF	2.65e4	0.88	NO	0.93	1.000	41.45	1.000	18.7	93.7	0.171	18.7
18	13C-2,3,7,8-TCDD	2.30e5	0.77	NO	1.20	1.000	26.10	1.027	98.7	98.7	0.170	
19	13C-1,2,3,7,8-PeCDD	1.62e5	0.58	NO	0.86	1.000	30.62	1.205	96.7	96.7	0.158	
20	13C-1,2,3,4,7,8-HxCDD	1.33e5	1.28	NO	0.60	1.000	33.91	1.014	99.0	99.0	0.270	
21	13C-1,2,3,6,7,8-HxCDD	1.49e5	1.27	NO	0.67	1.000	34.03	1.017	98.5	98.5	0.240	
22	13C-1,2,3,7,8,9-HxCDD	1.49e5	1.29	NO	0.68	1.000	34.31	1.026	97.7	97.7	0.239	



Ready 210319D1_4 CAP NUM

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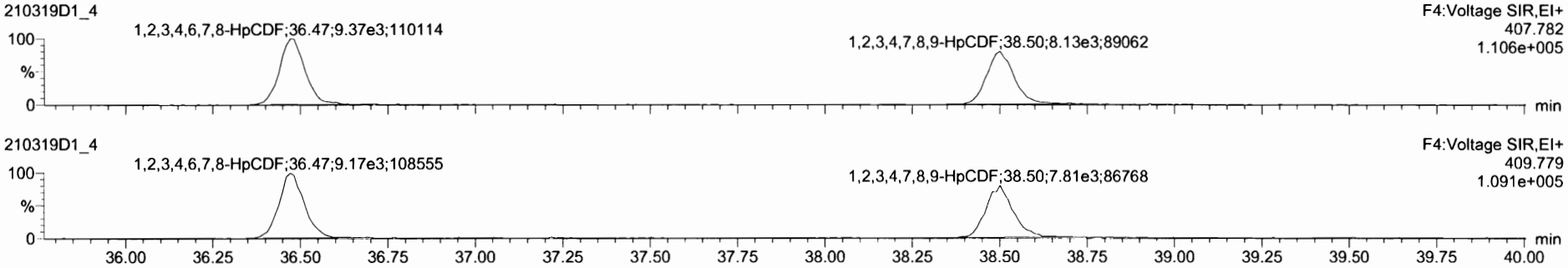
Name: 210319D1_4, Date: 19-Mar-2021, Time: 09:54:06, ID: ST210319D1-4 1613 CS2 20H2520, Description: 1613 CS2 20H2520

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



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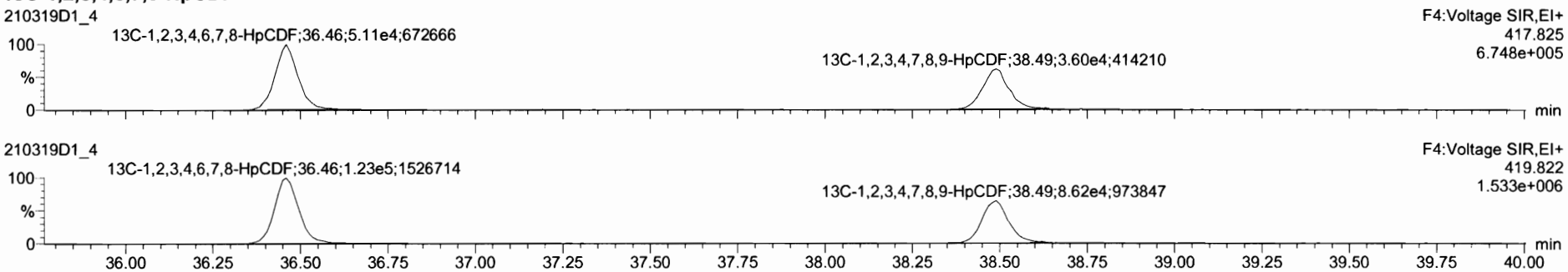

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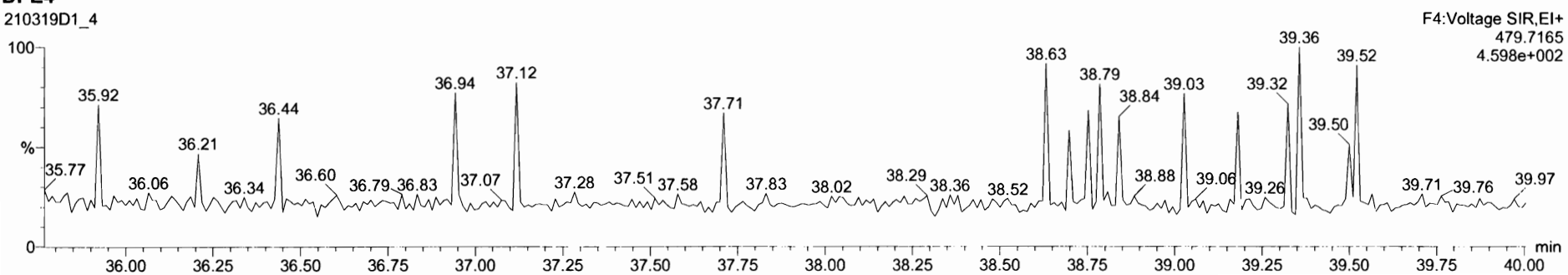

Vista Analytical Laboratory

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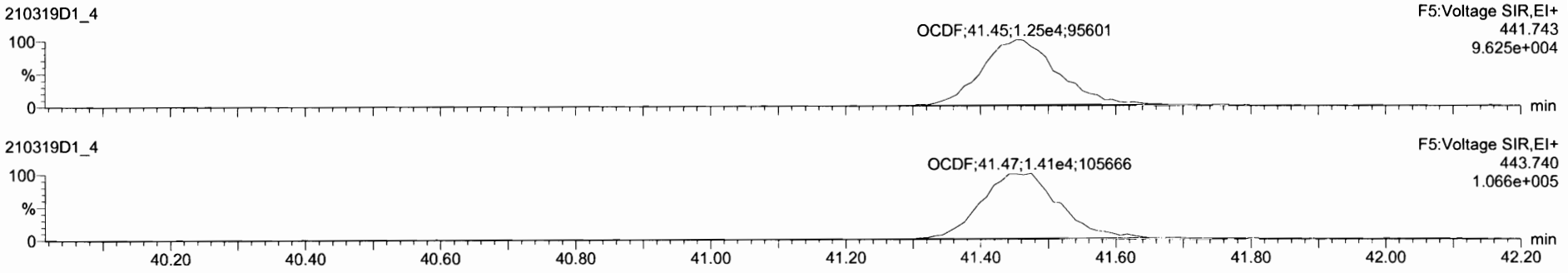
OCDF



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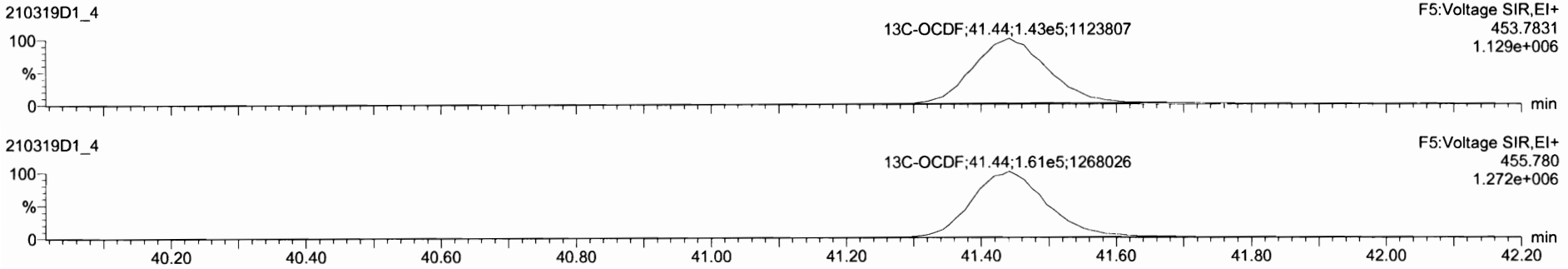

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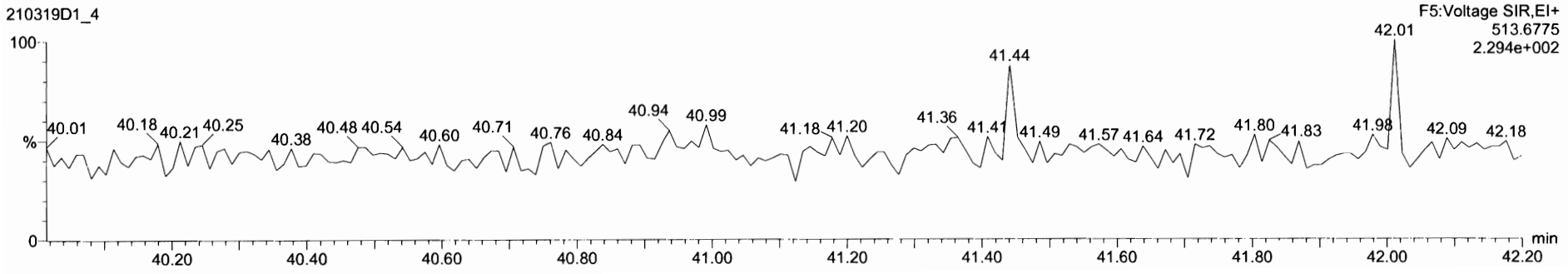

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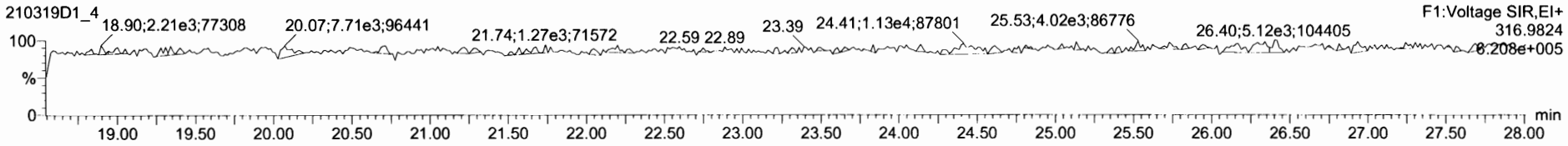

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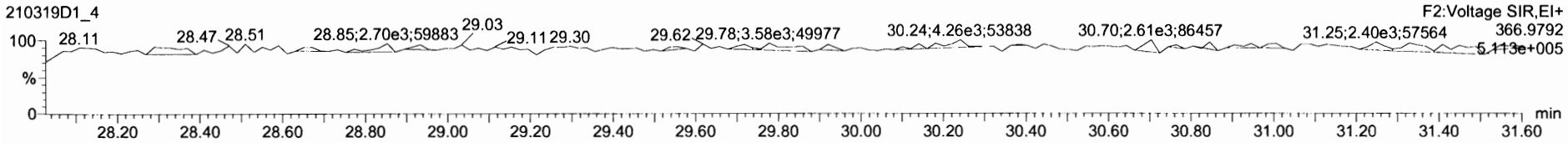

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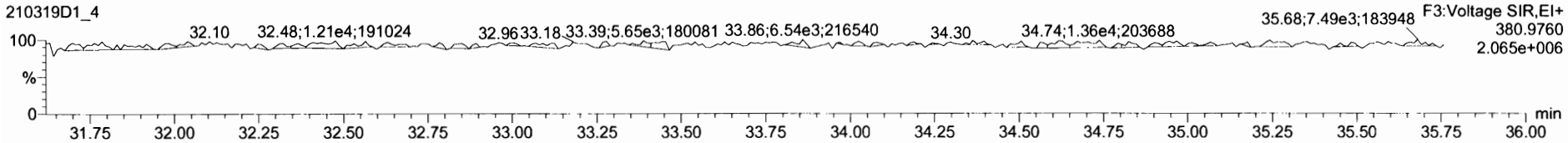

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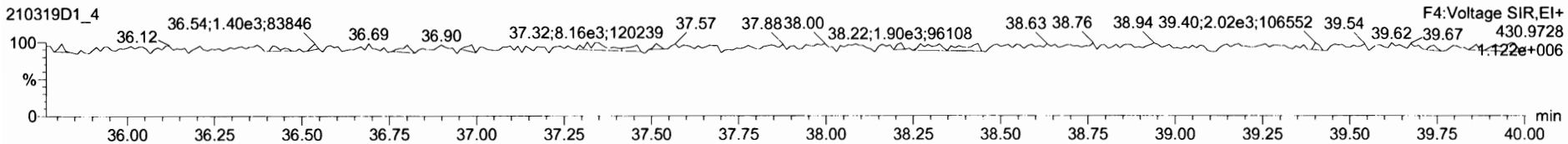

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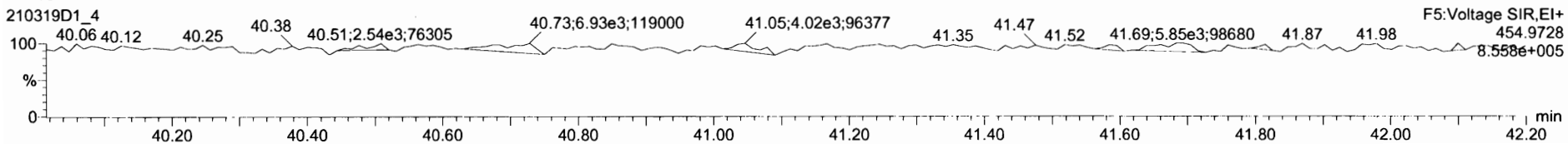

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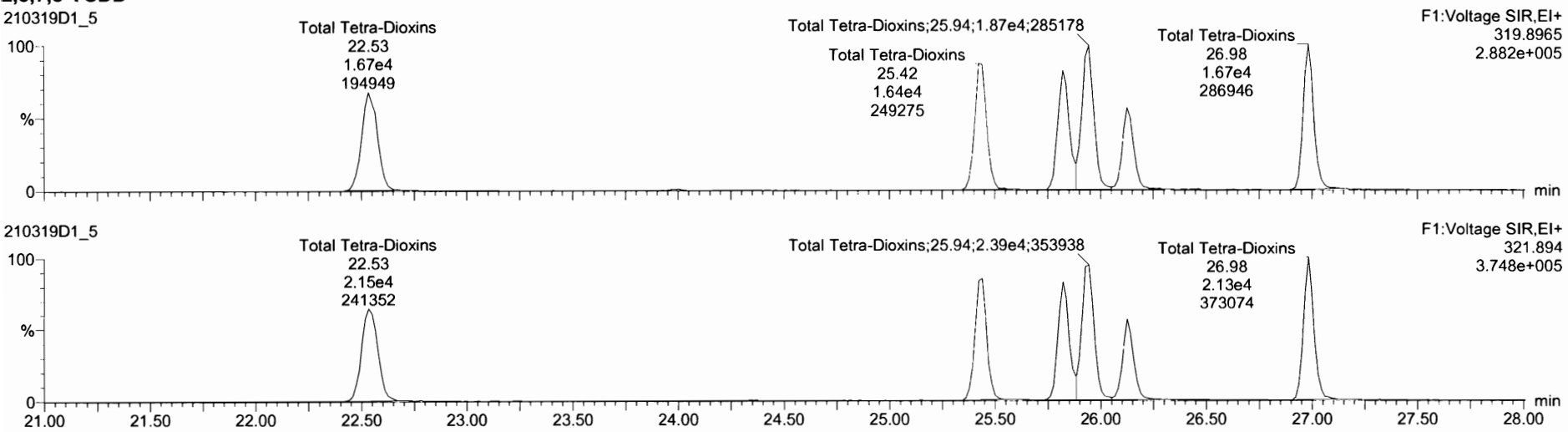
2,3,7,8-TCDD



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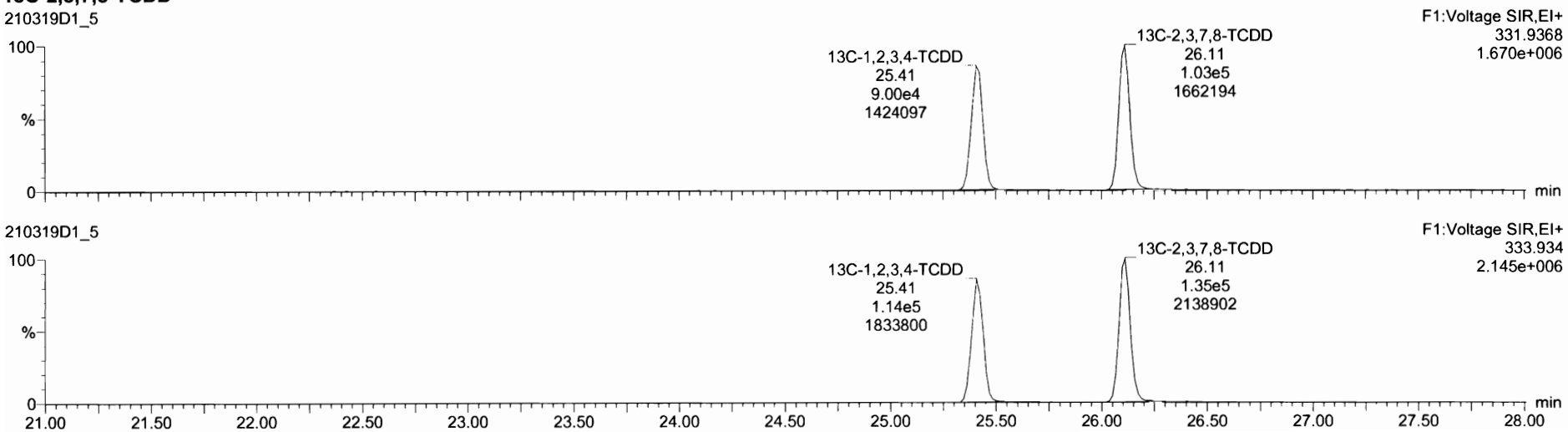

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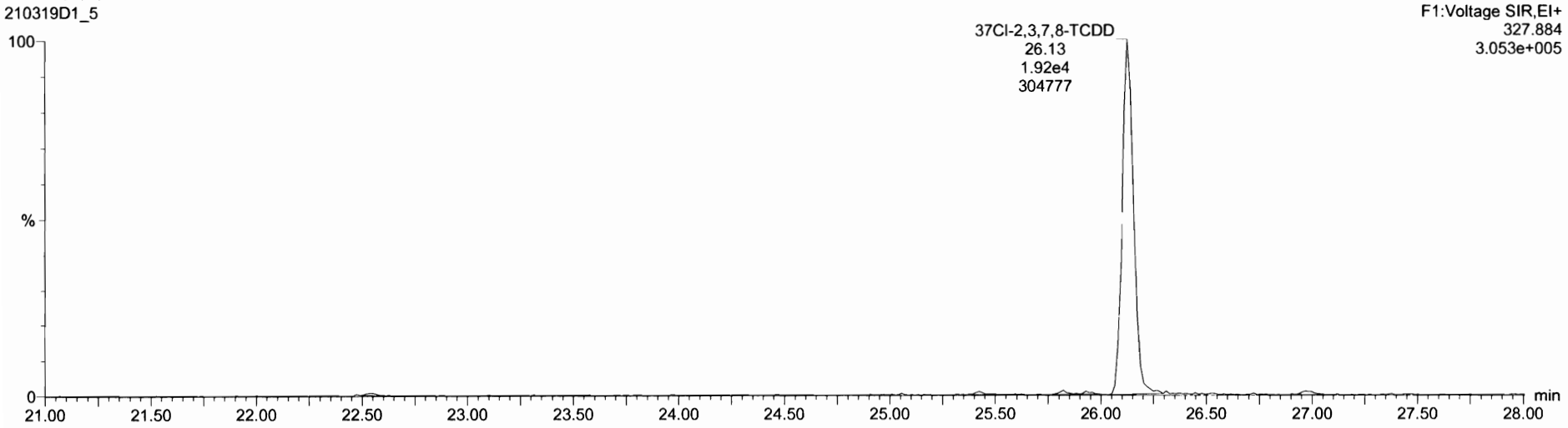

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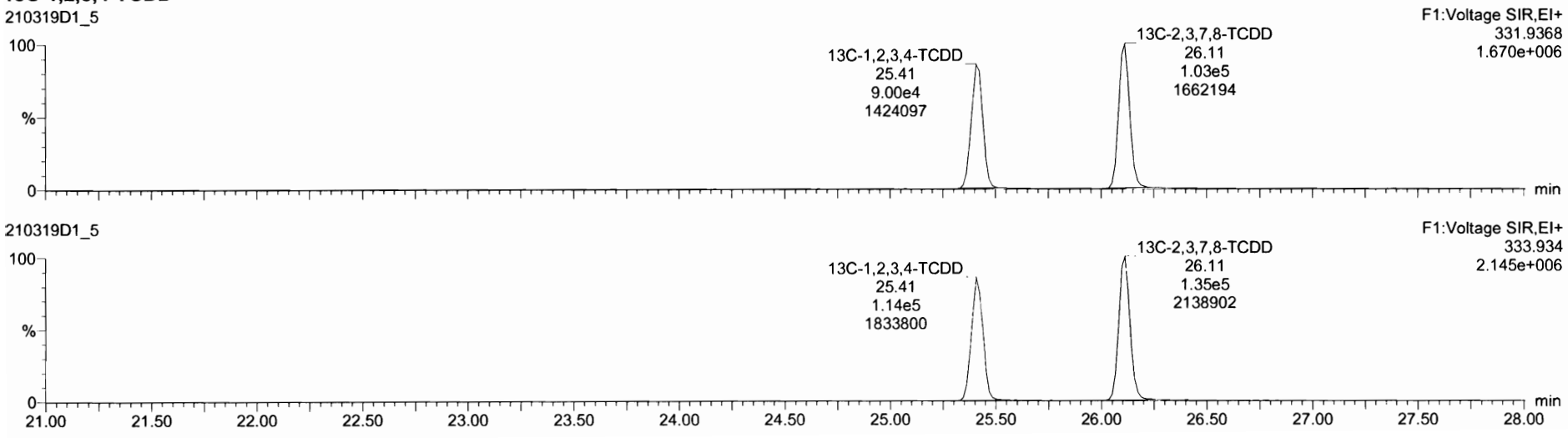

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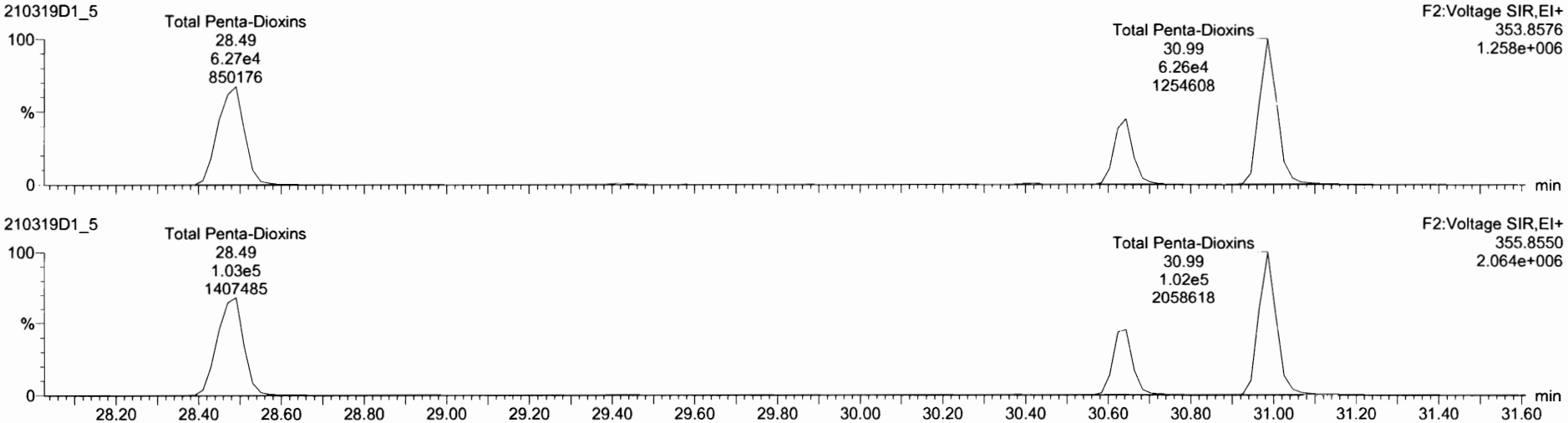
1,2,3,7,8-PeCDD



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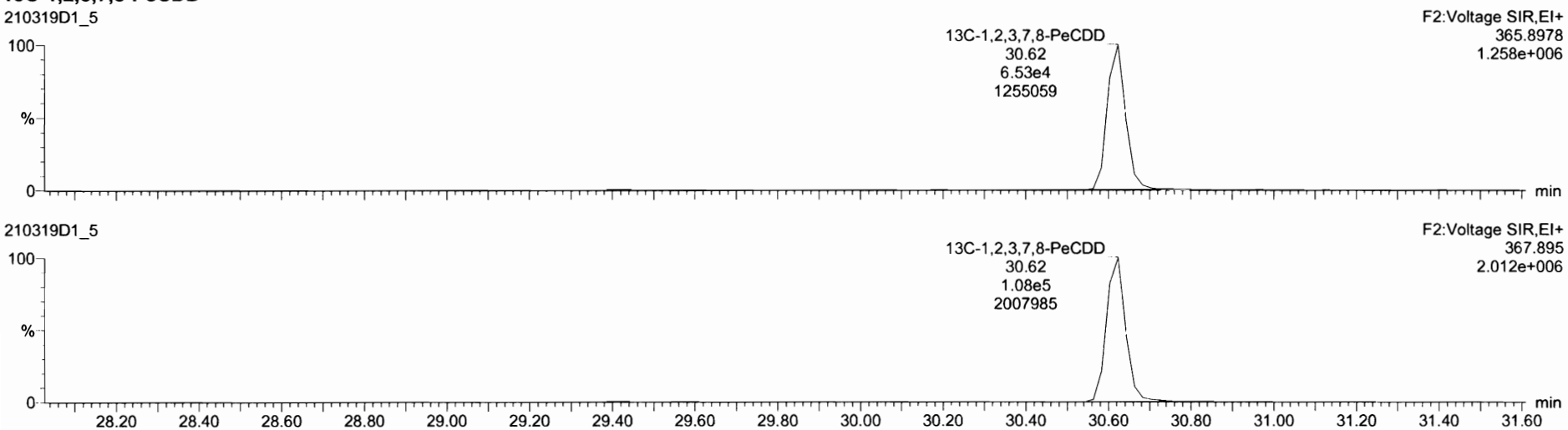

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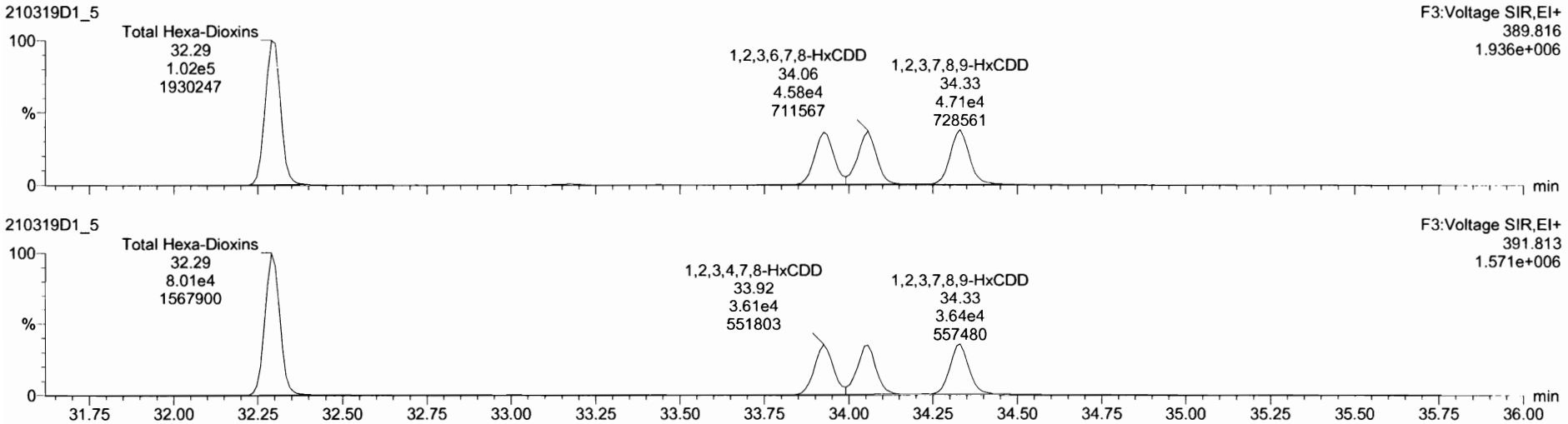
1,2,3,4,7,8-HxCDD



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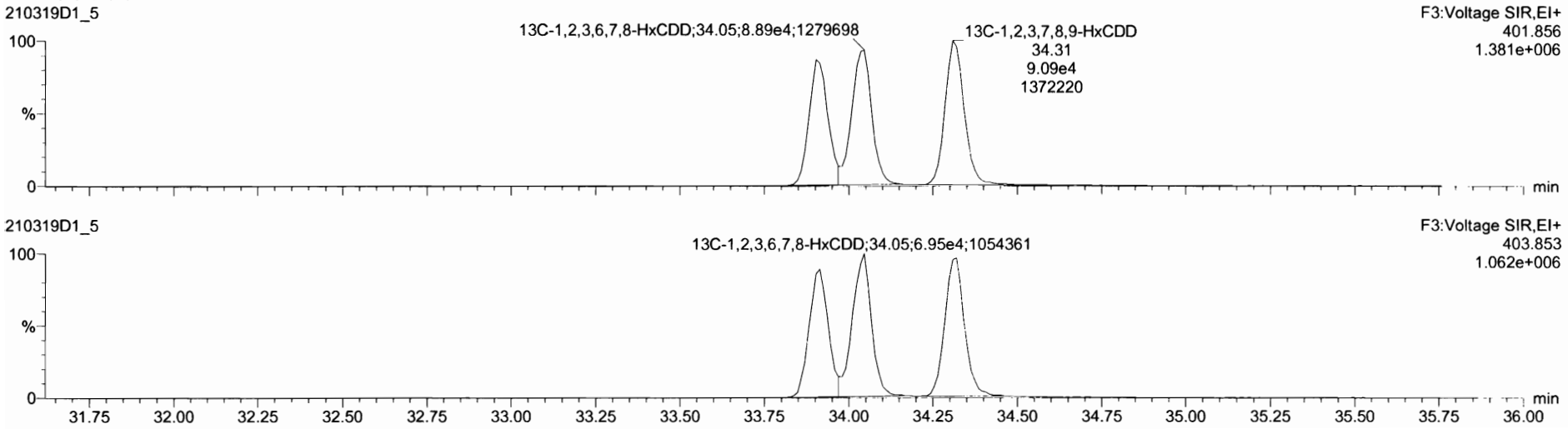

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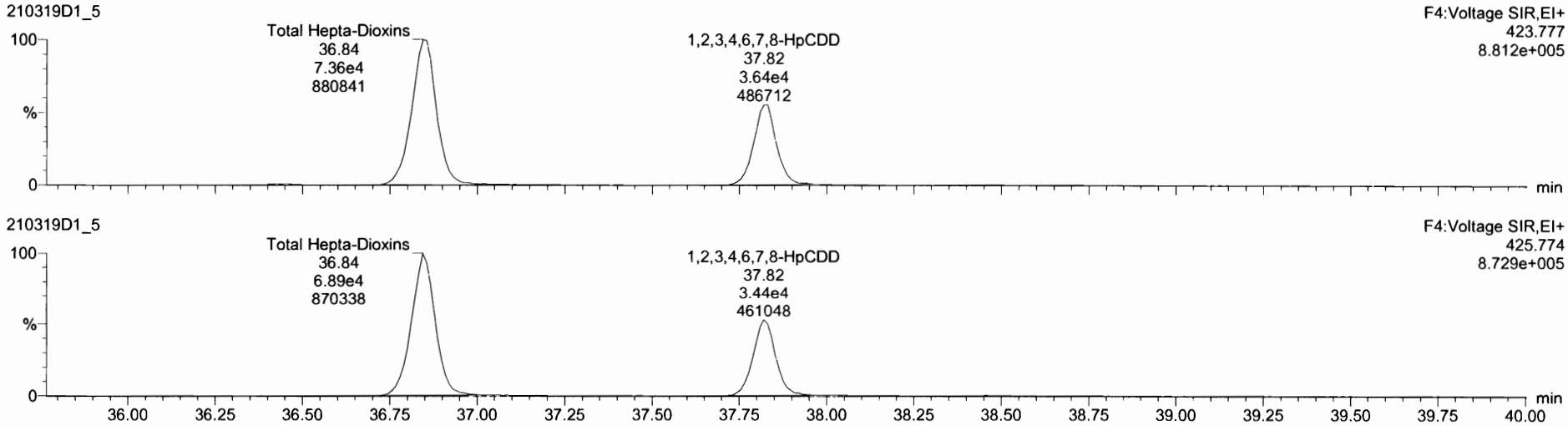
1,2,3,4,6,7,8-HpCDD



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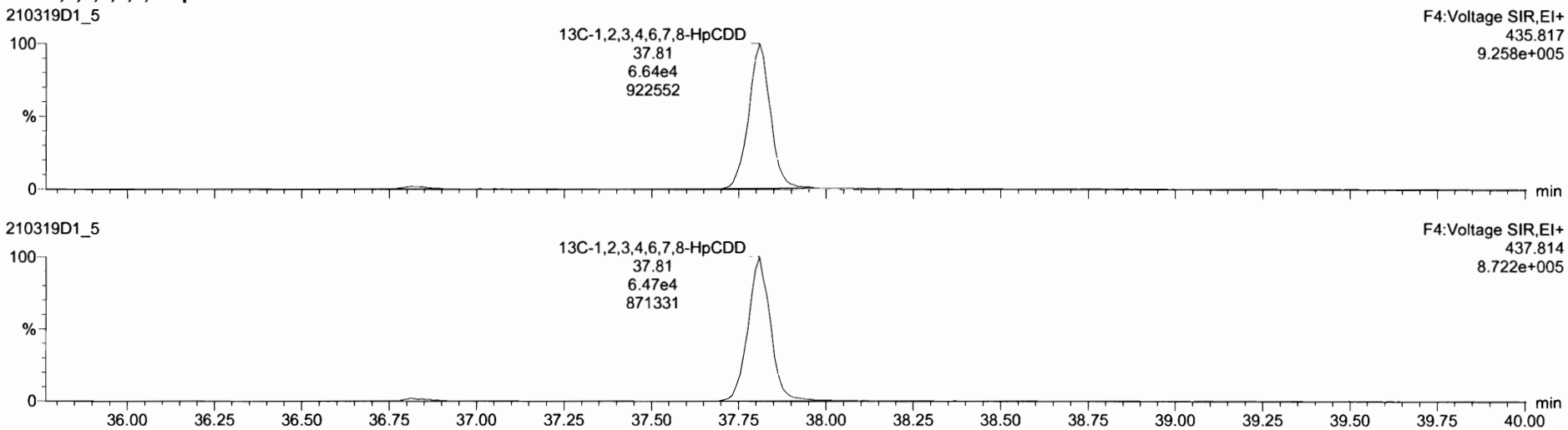

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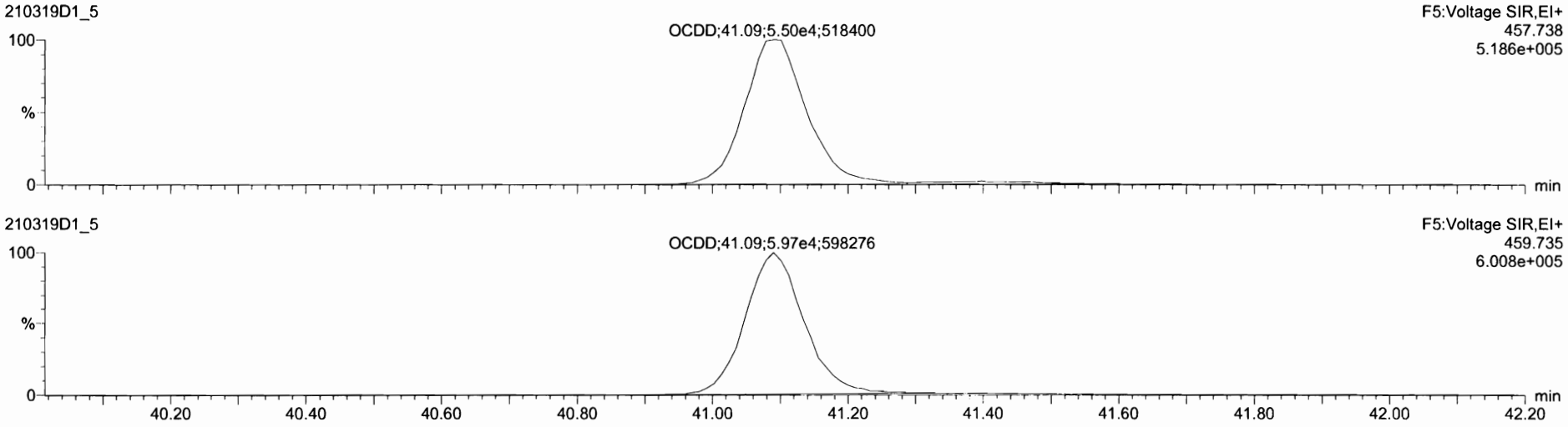
OCDD



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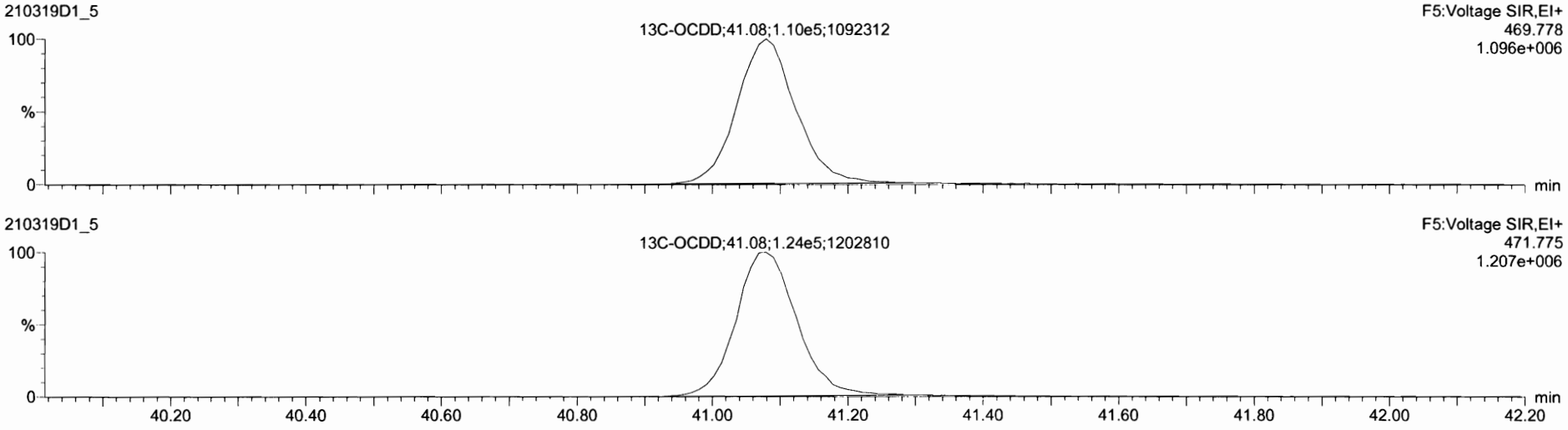

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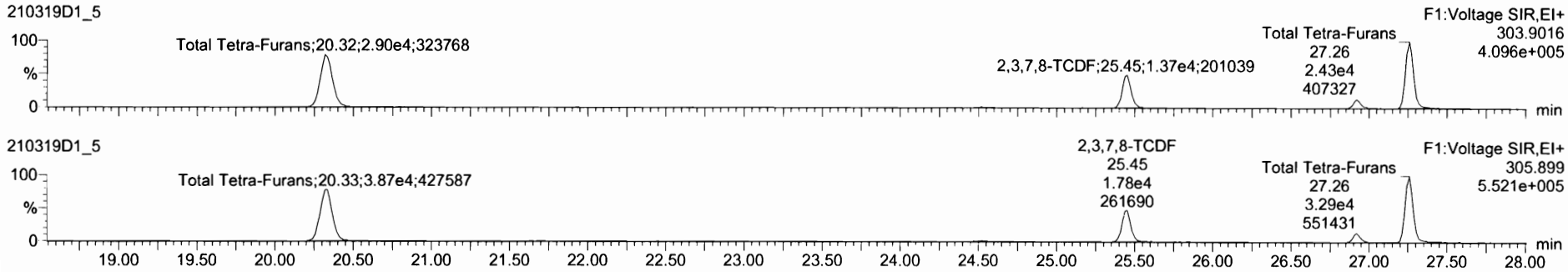
2,3,7,8-TCDF



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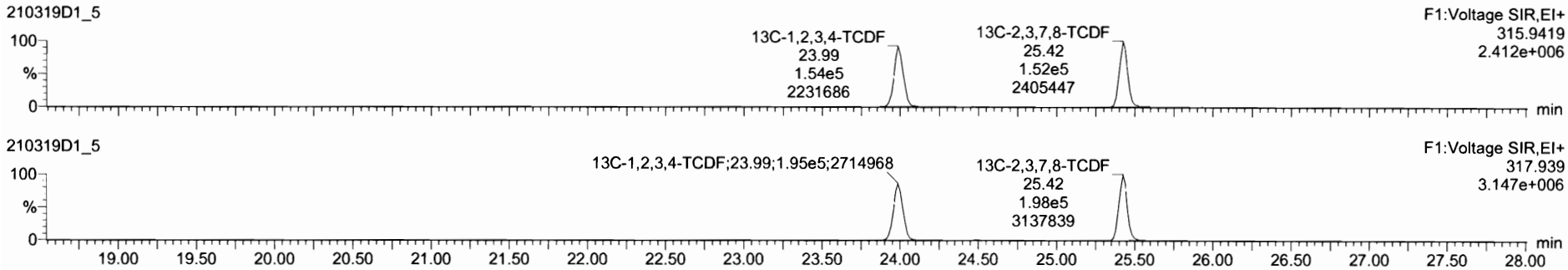
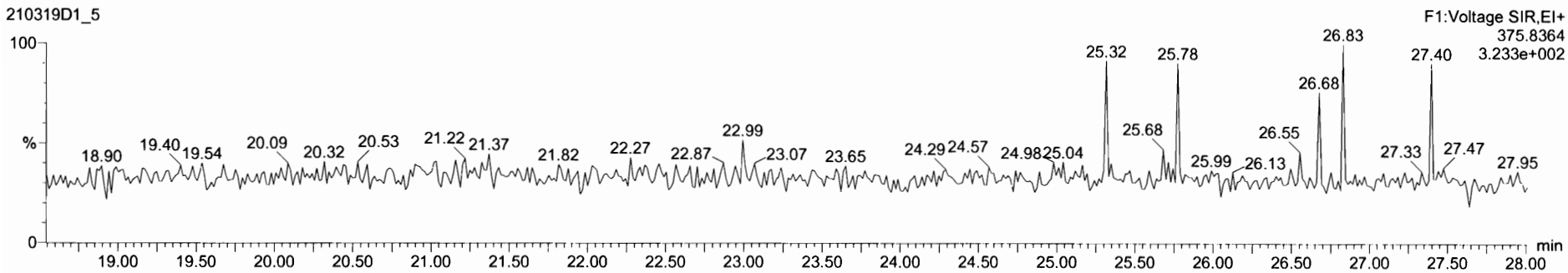


DPE1



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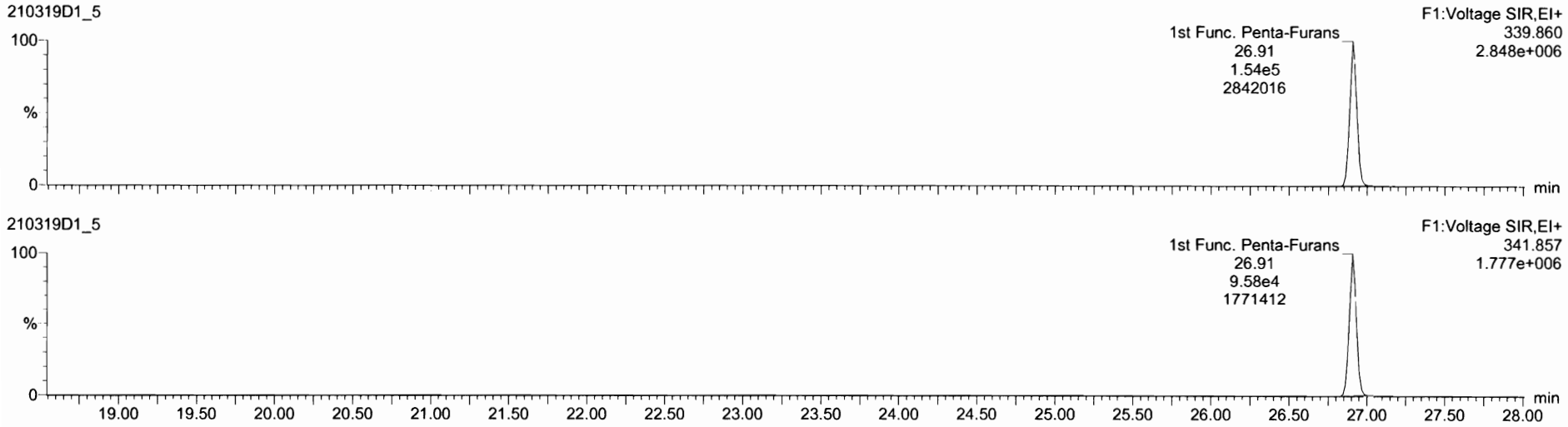

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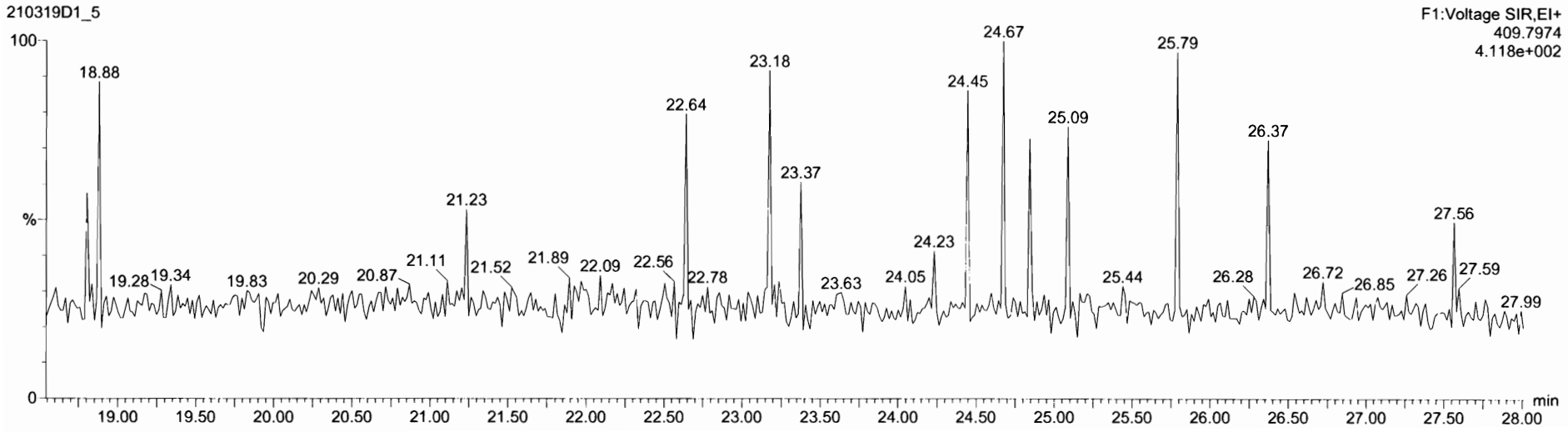

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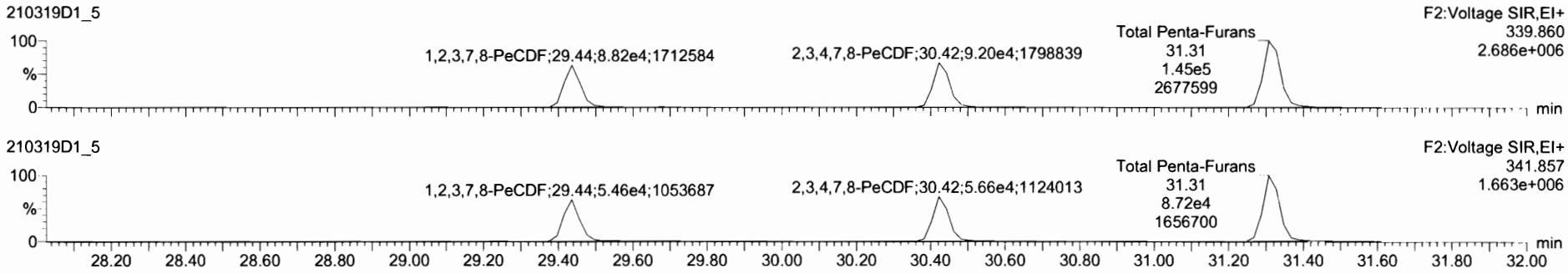
1,2,3,7,8-PeCDF



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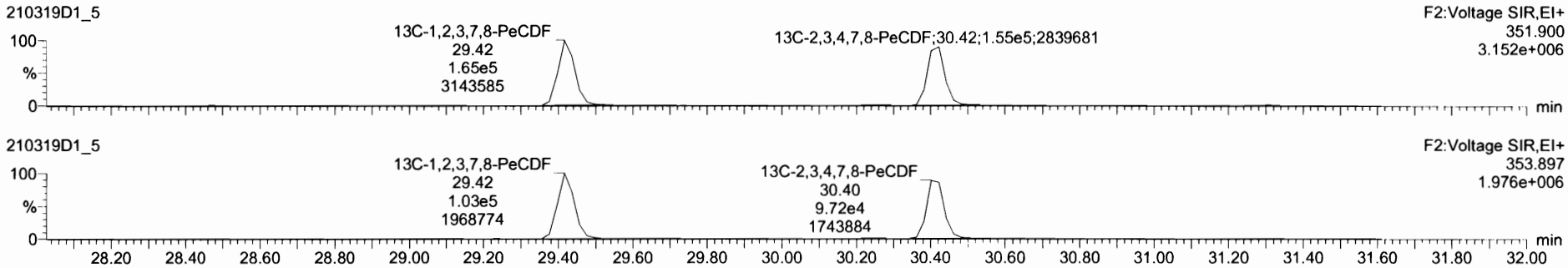

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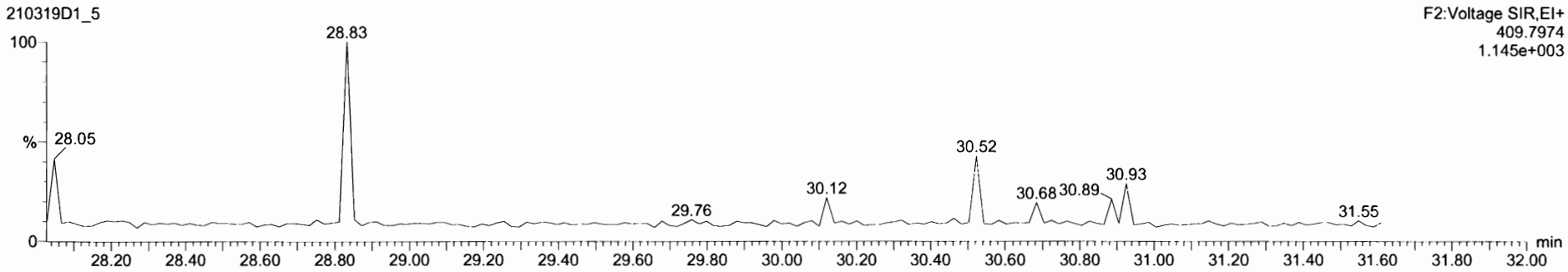

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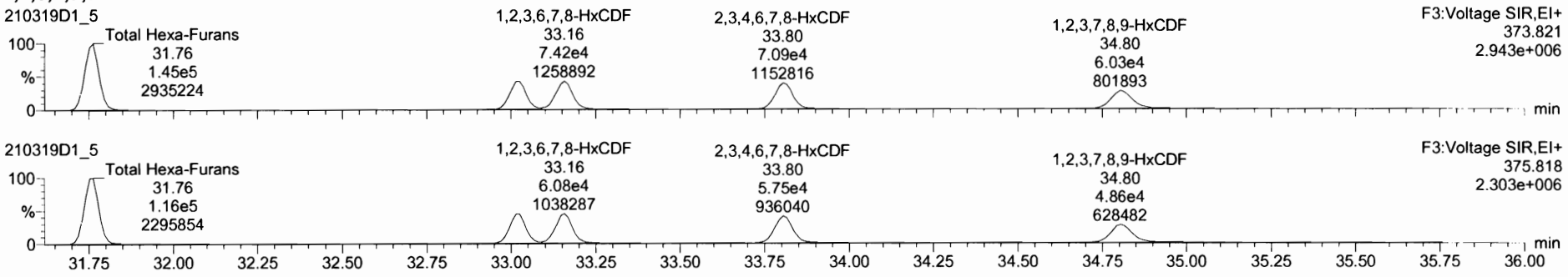
1,2,3,4,7,8-HxCDF



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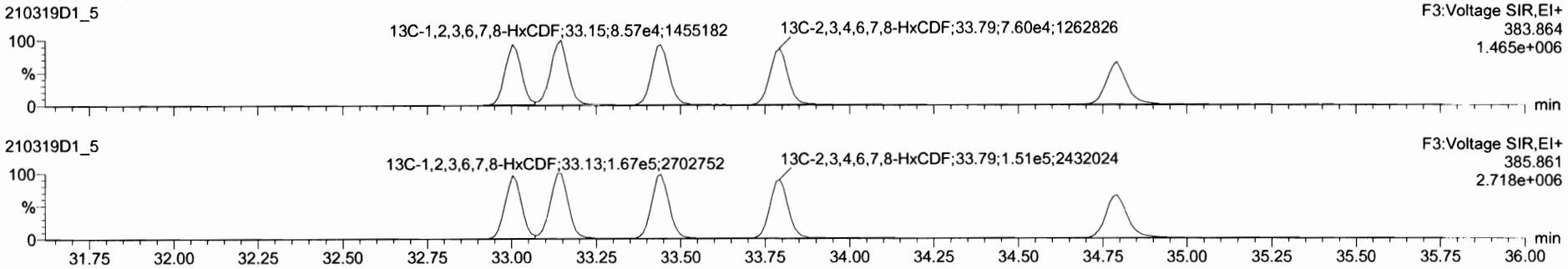

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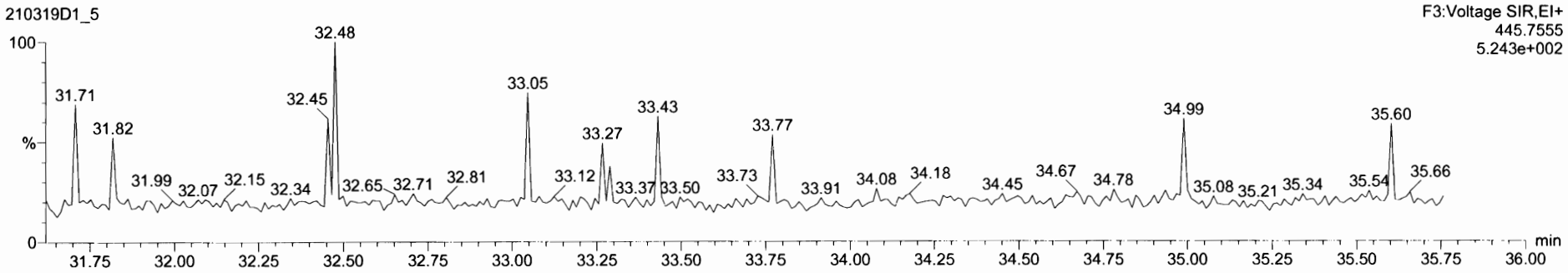

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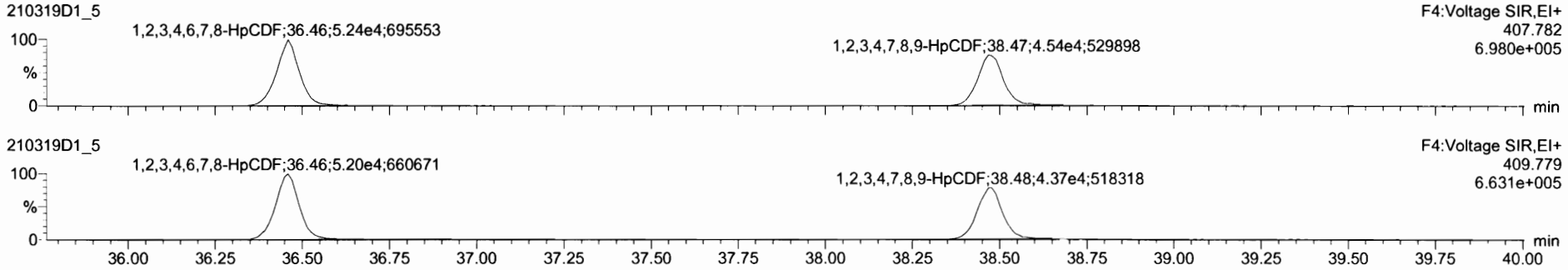
1,2,3,4,6,7,8-HpCDF



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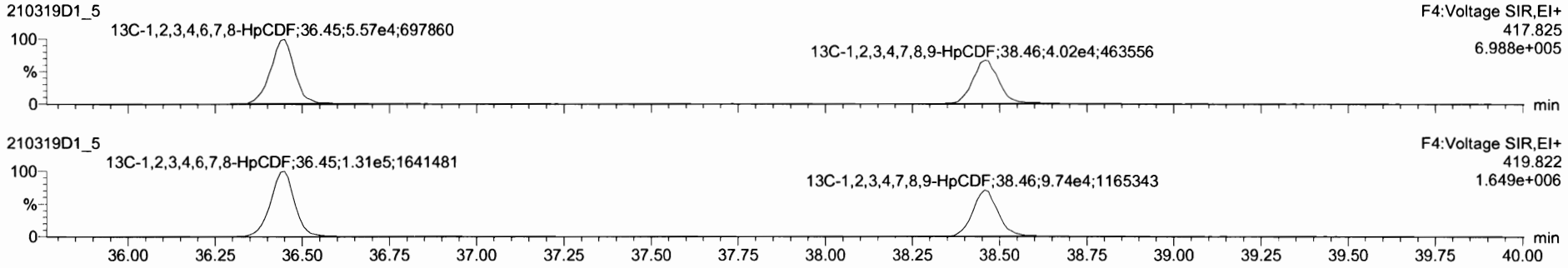

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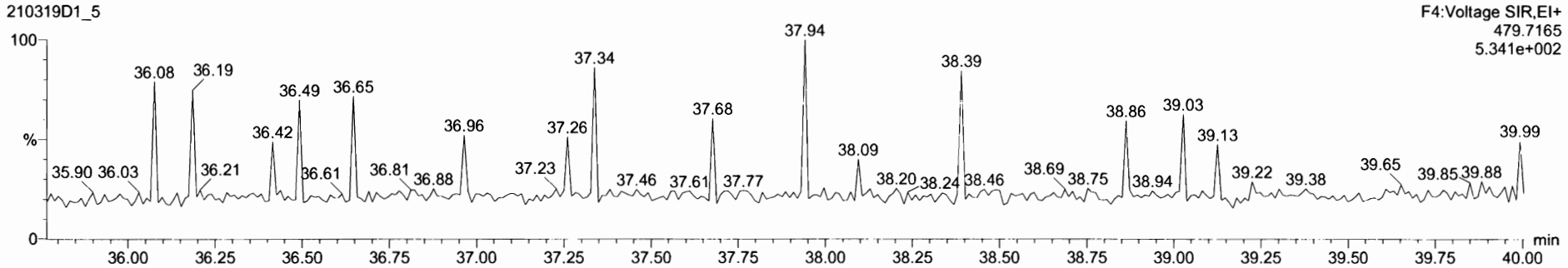

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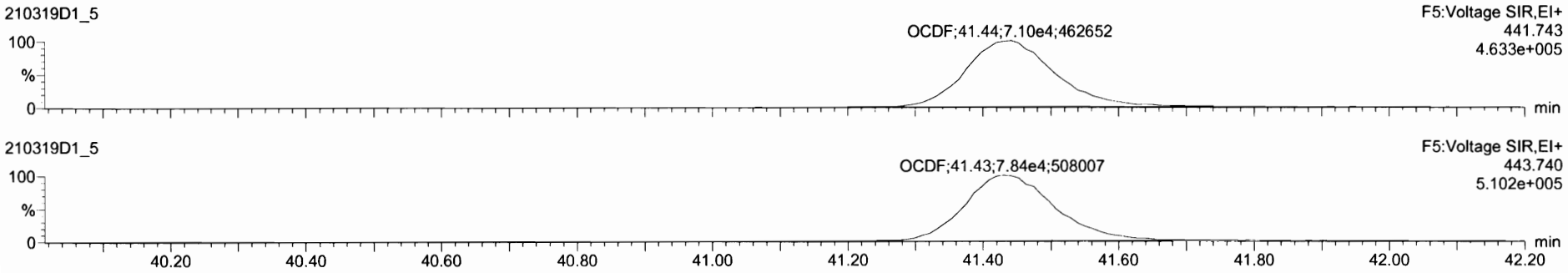
OCDF



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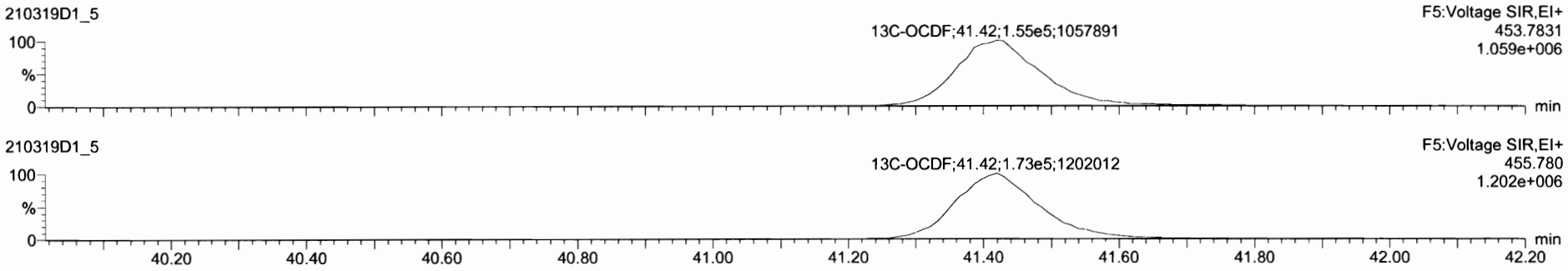

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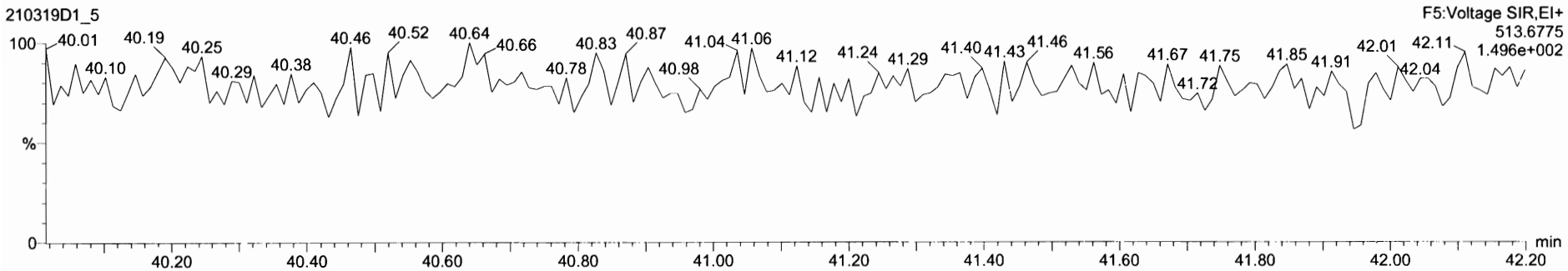

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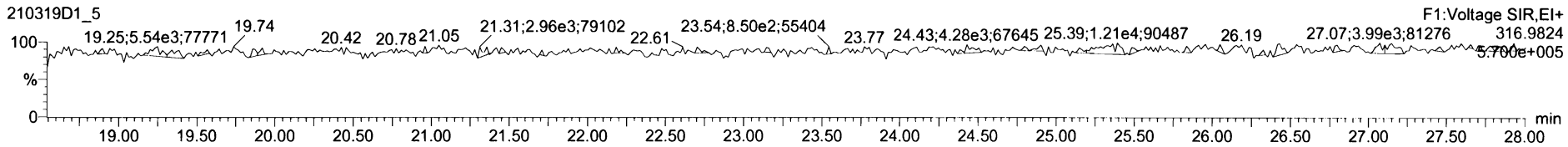

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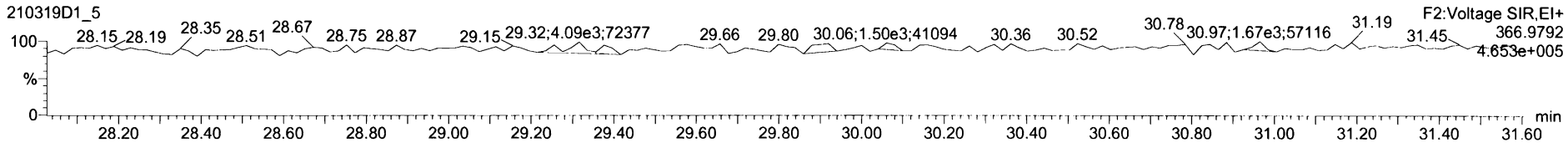

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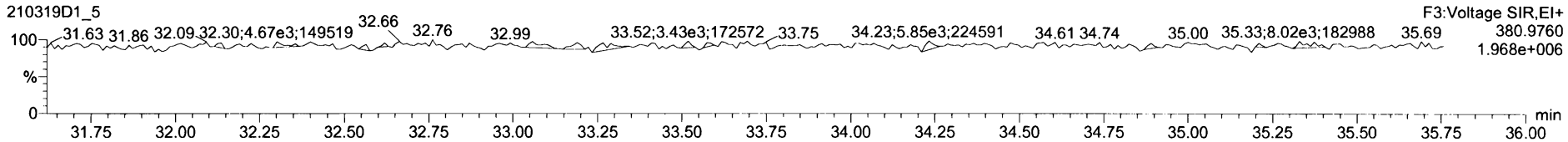

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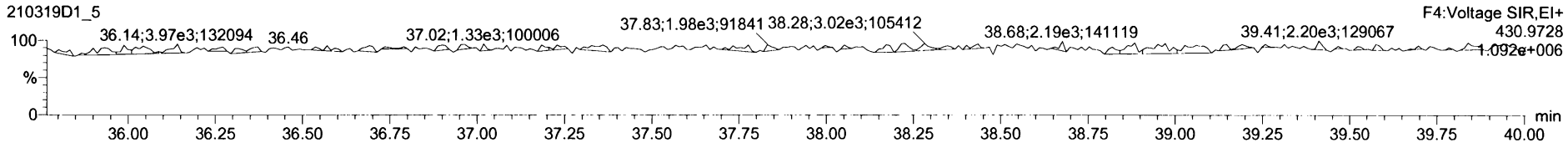

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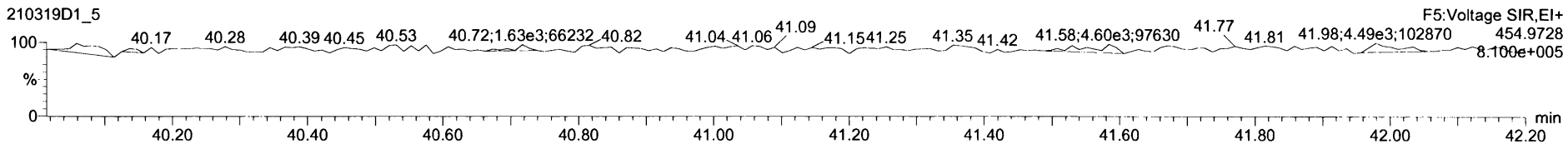

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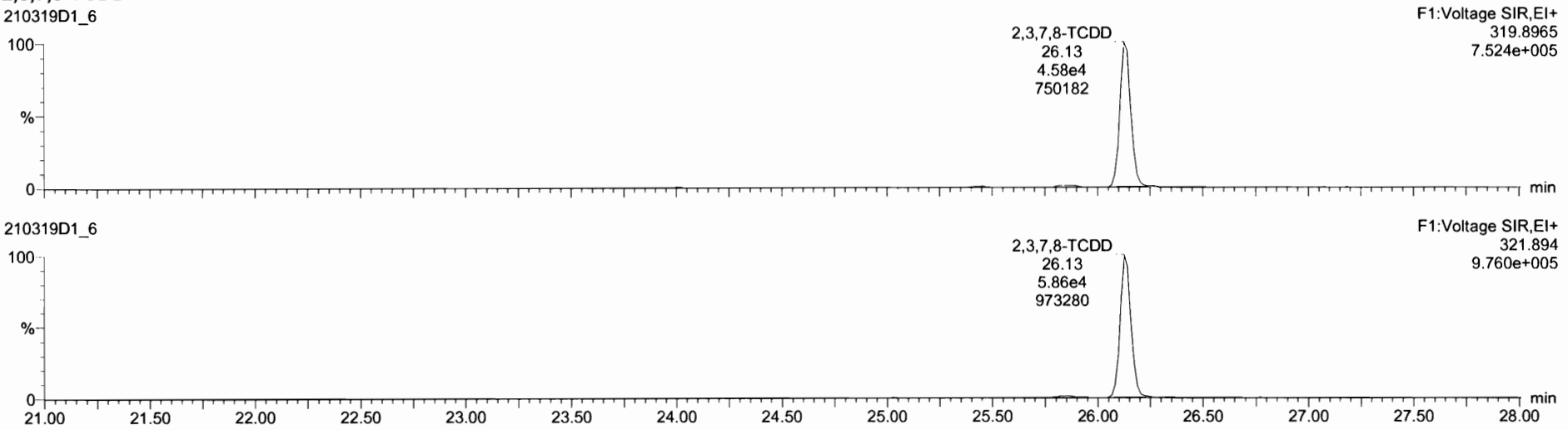

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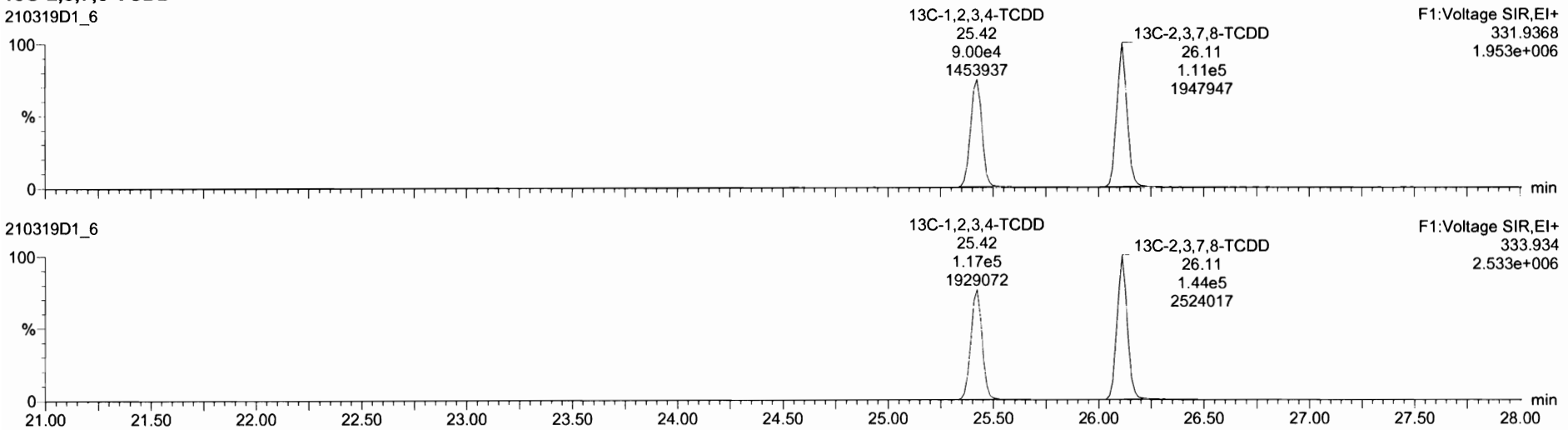

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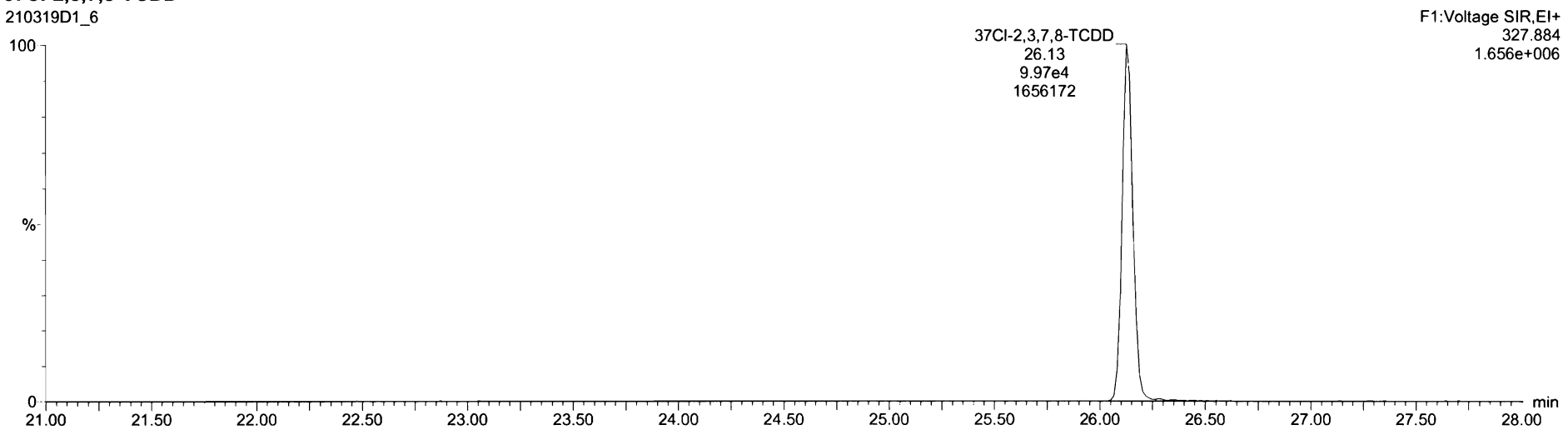

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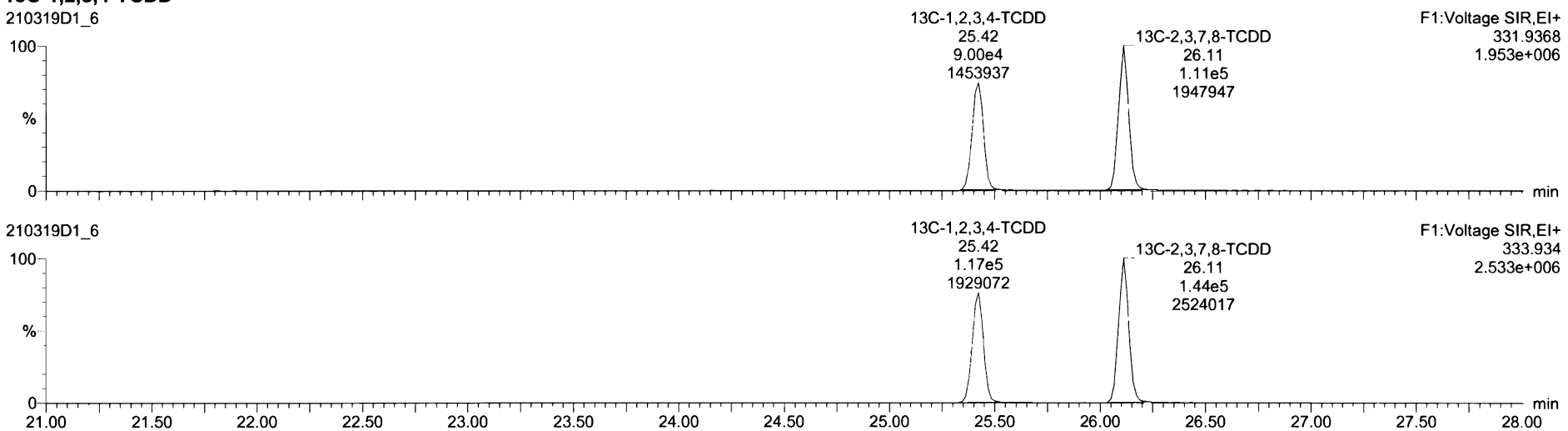

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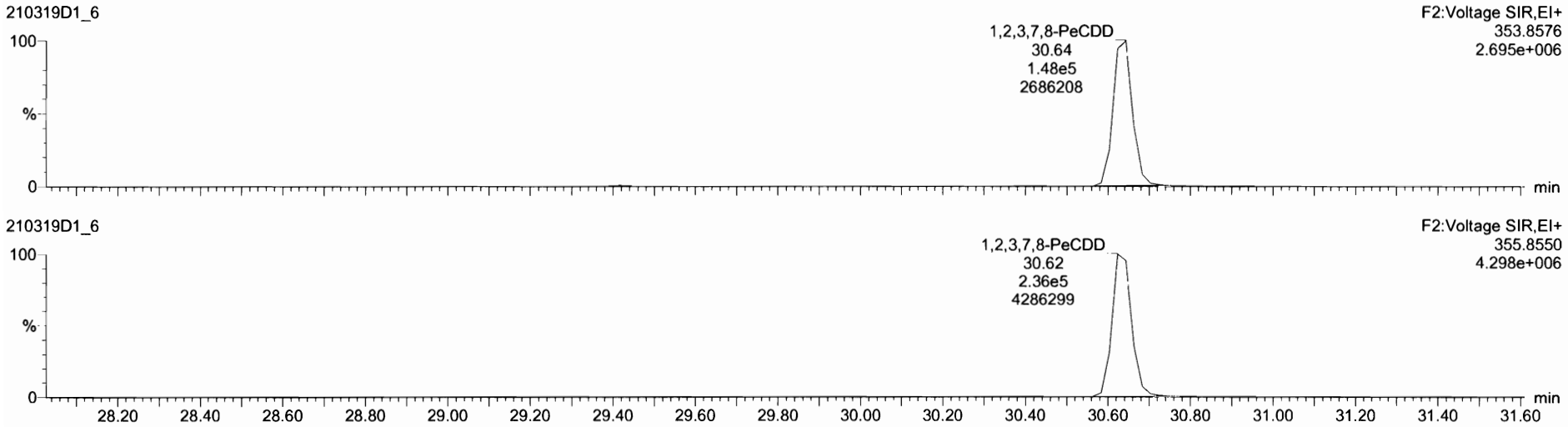
1,2,3,7,8-PeCDD



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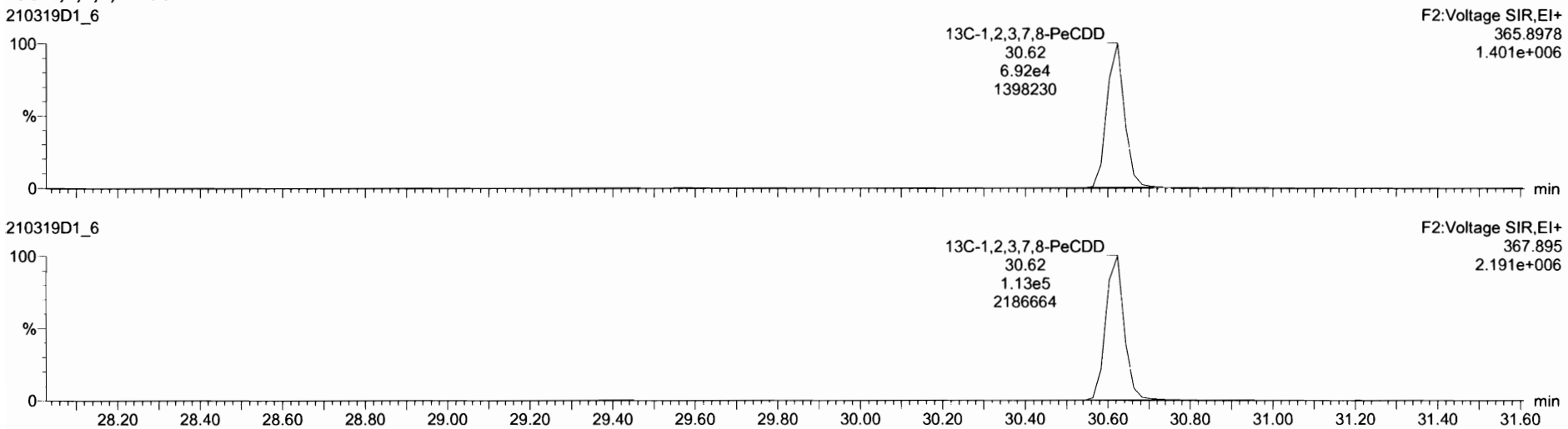

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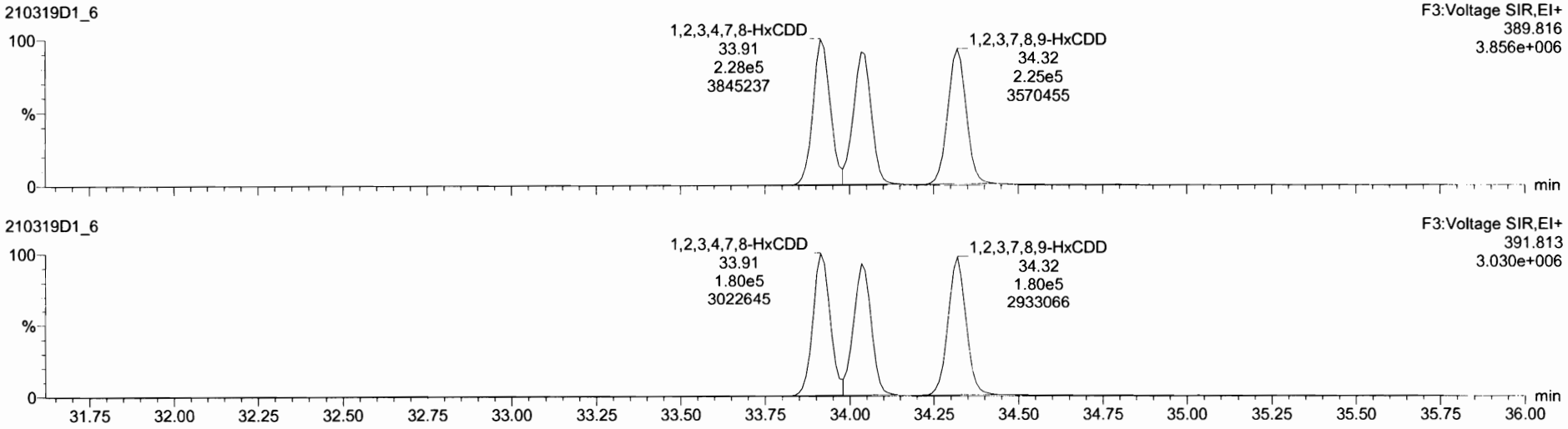
1,2,3,4,7,8-HxCDD



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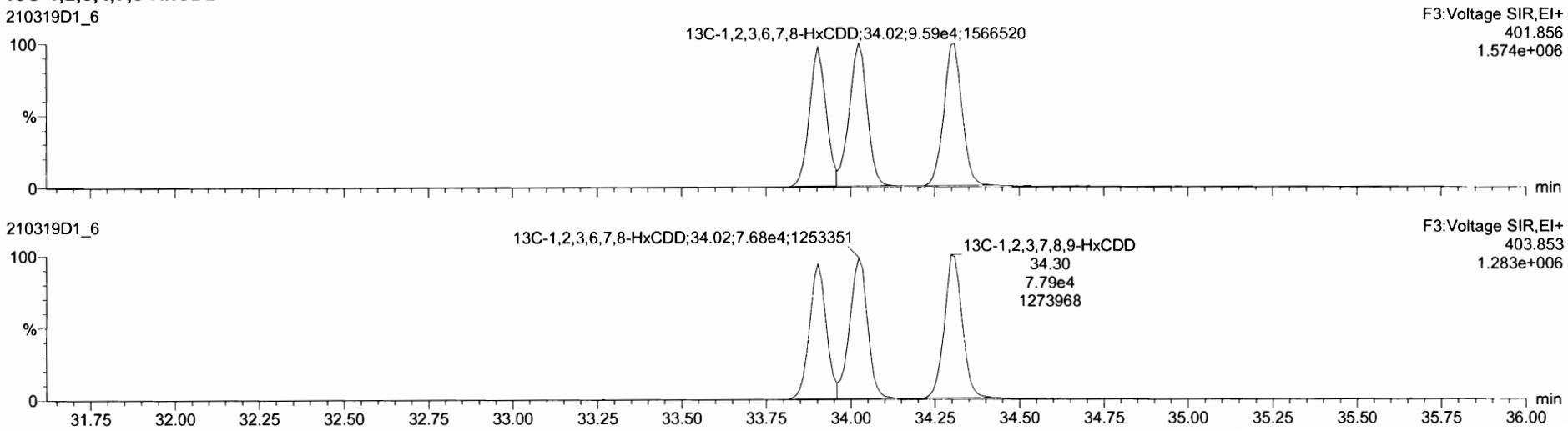

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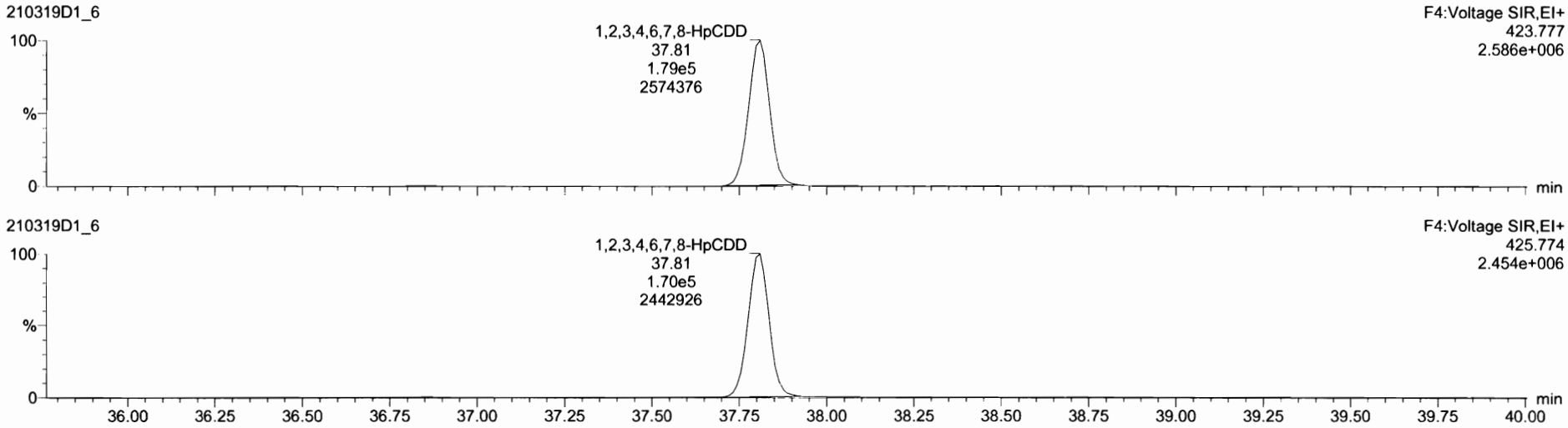
1,2,3,4,6,7,8-HpCDD



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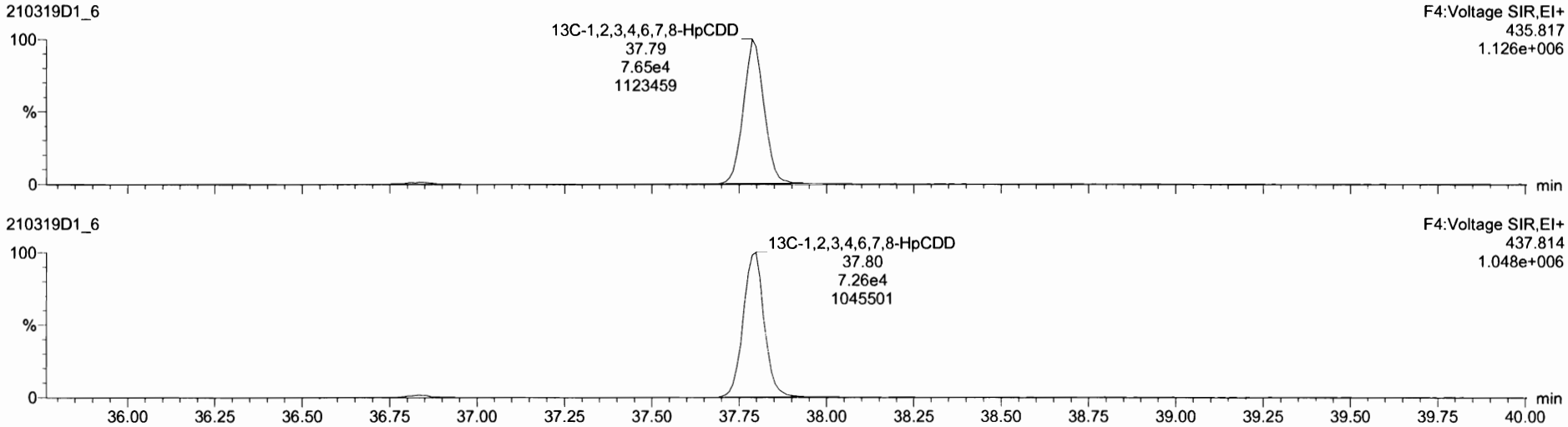

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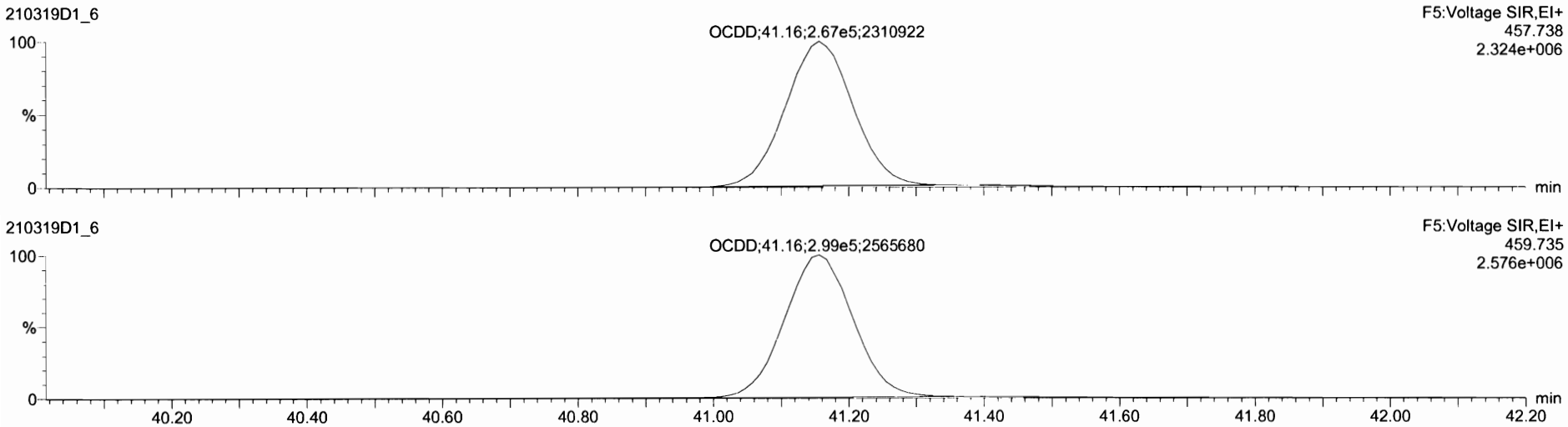

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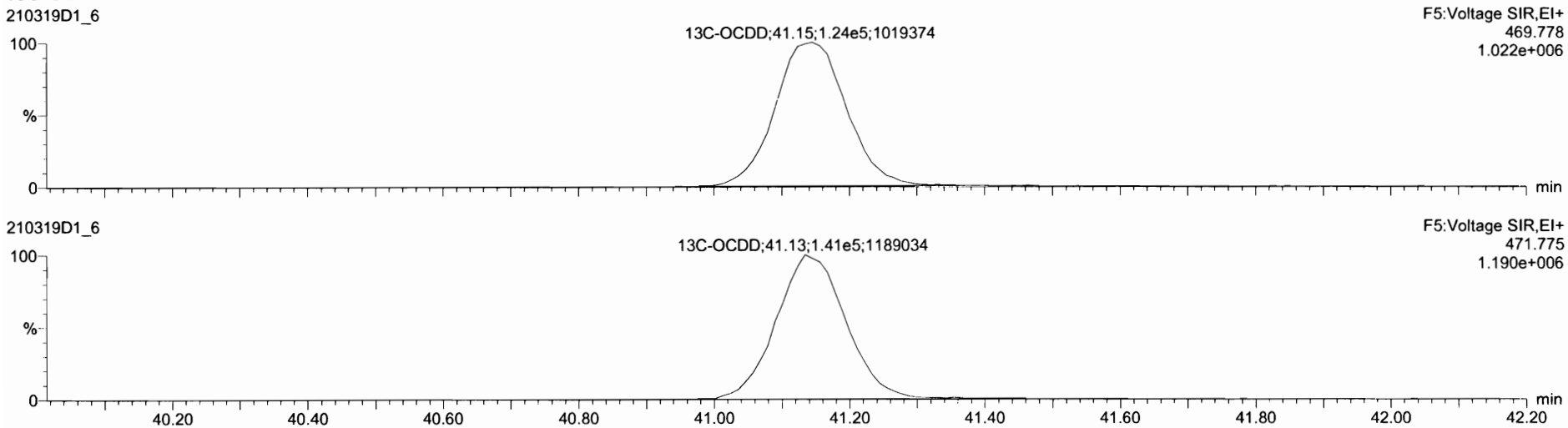

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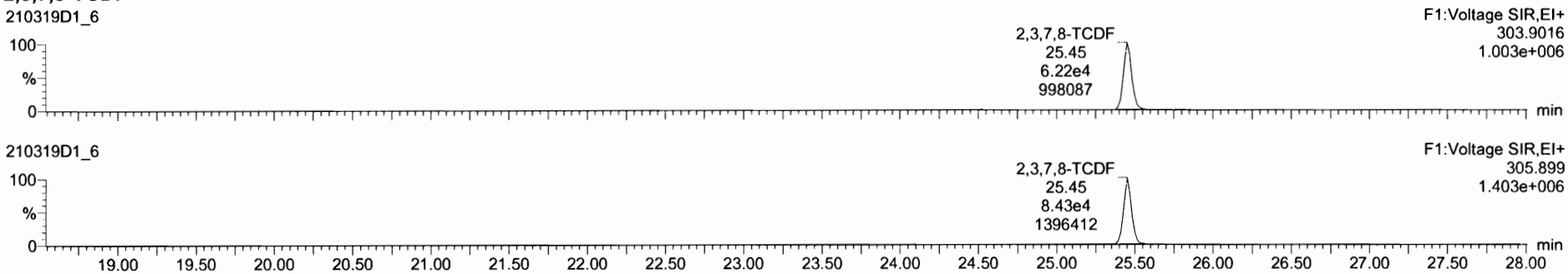
2,3,7,8-TCDF



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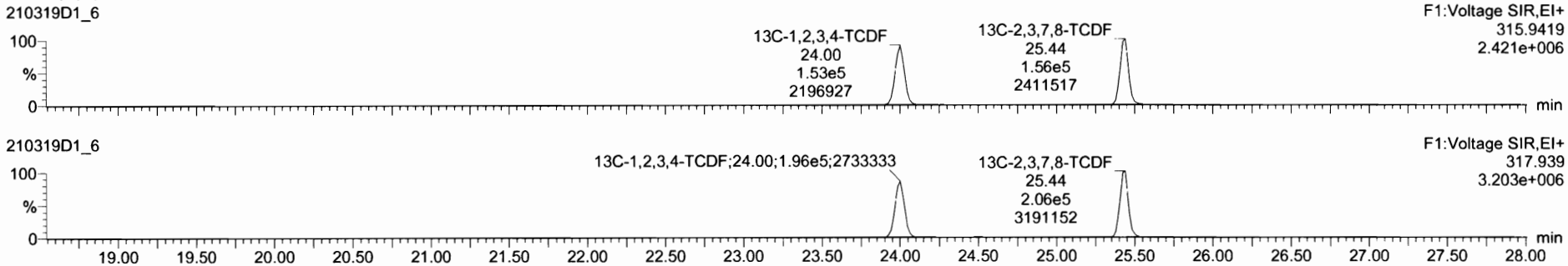

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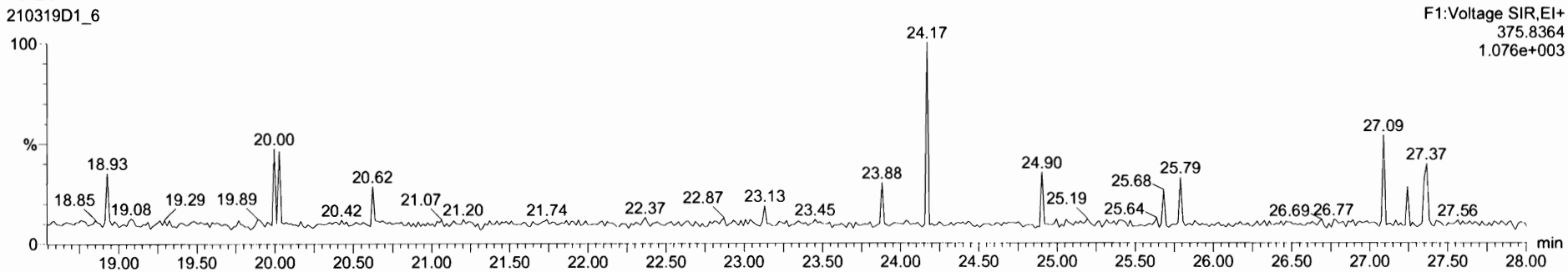

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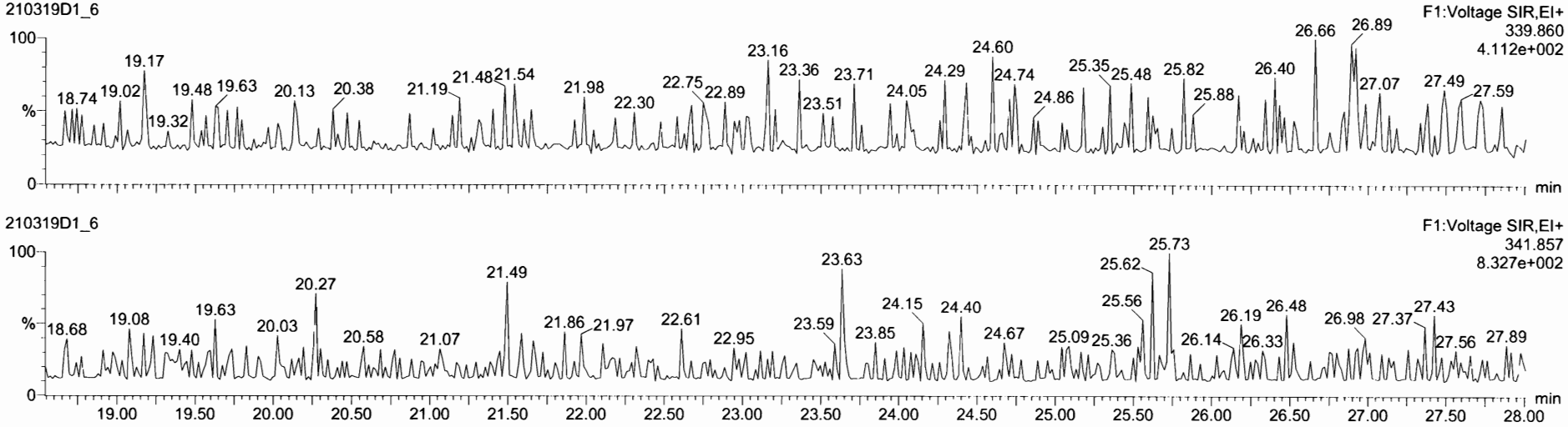

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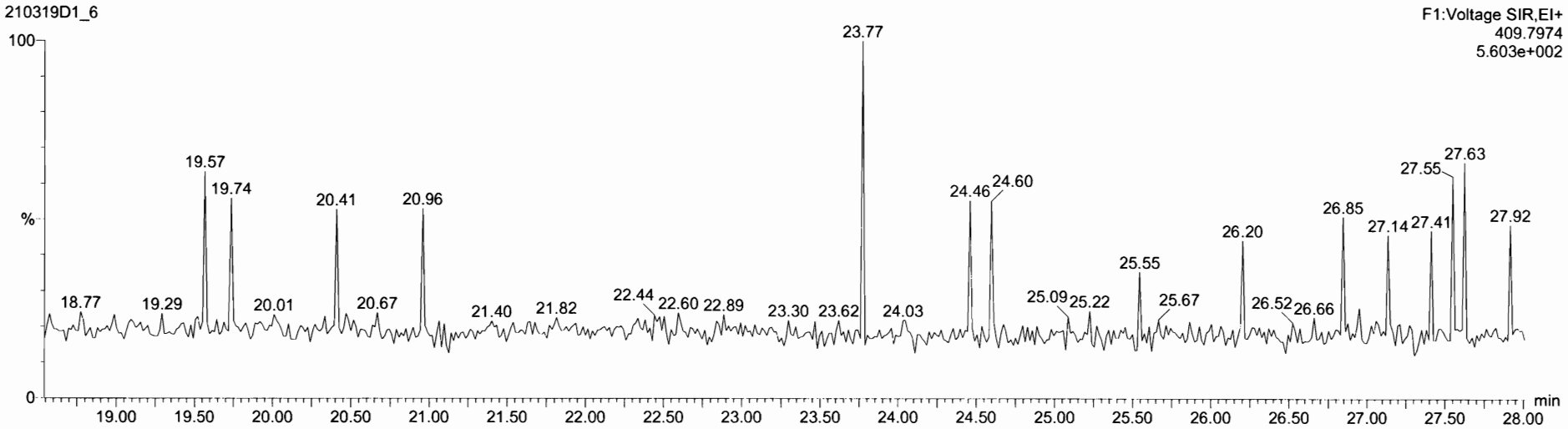

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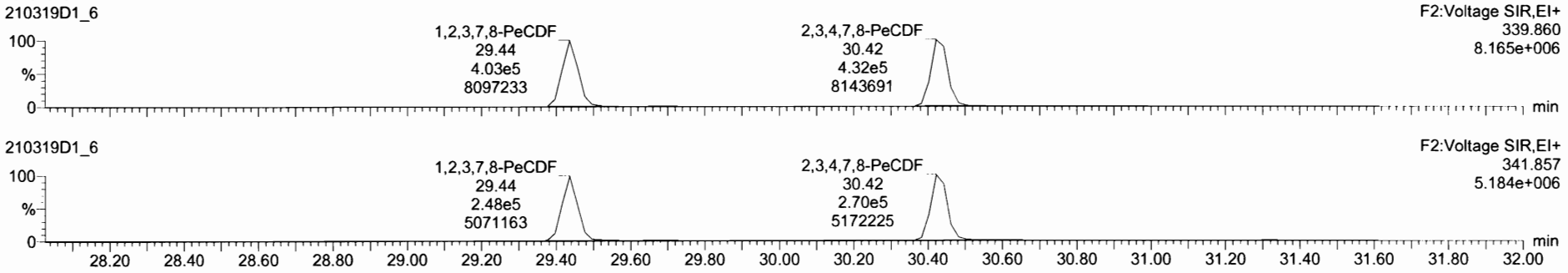
1,2,3,7,8-PeCDF



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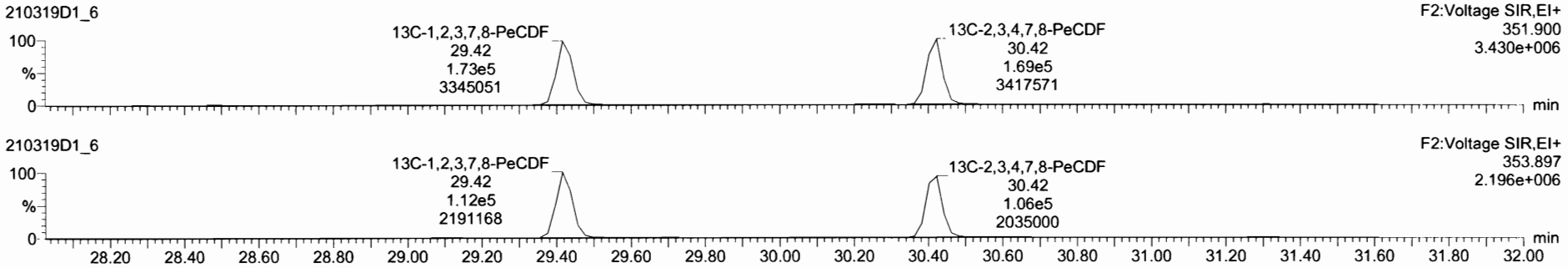

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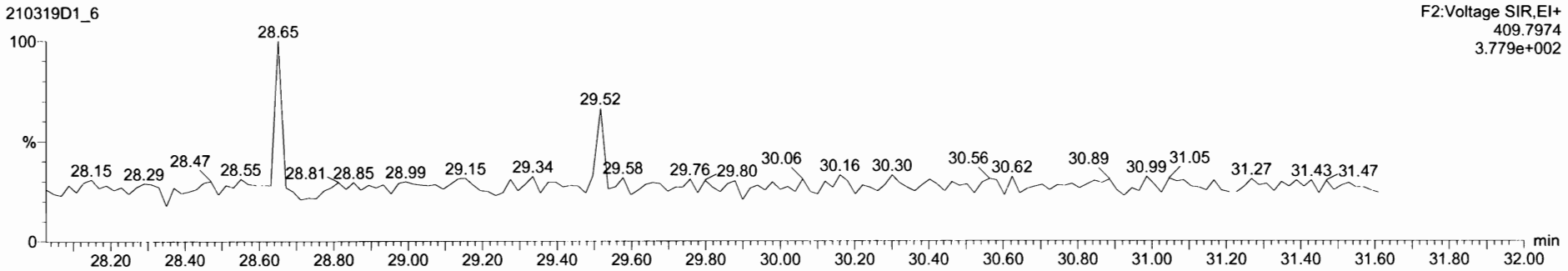

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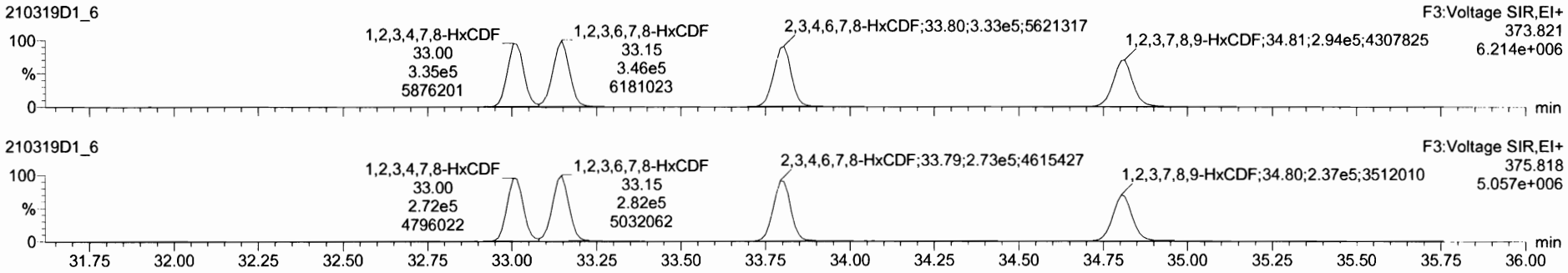
1,2,3,4,7,8-HxCDF



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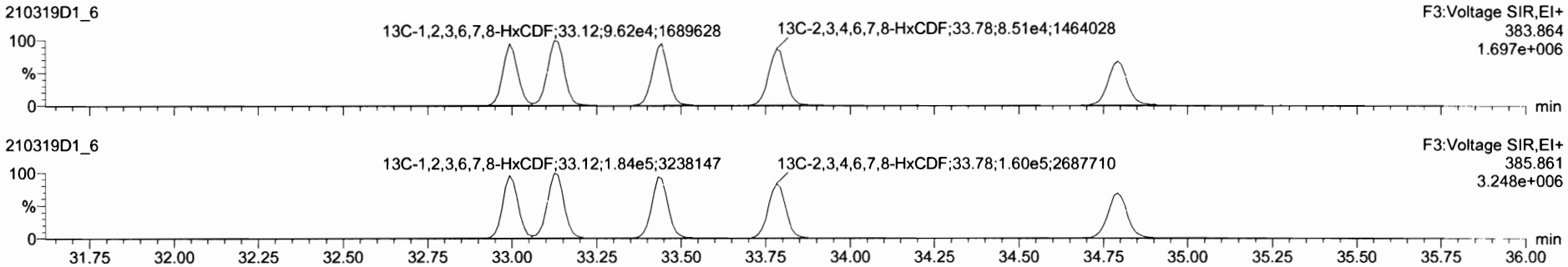

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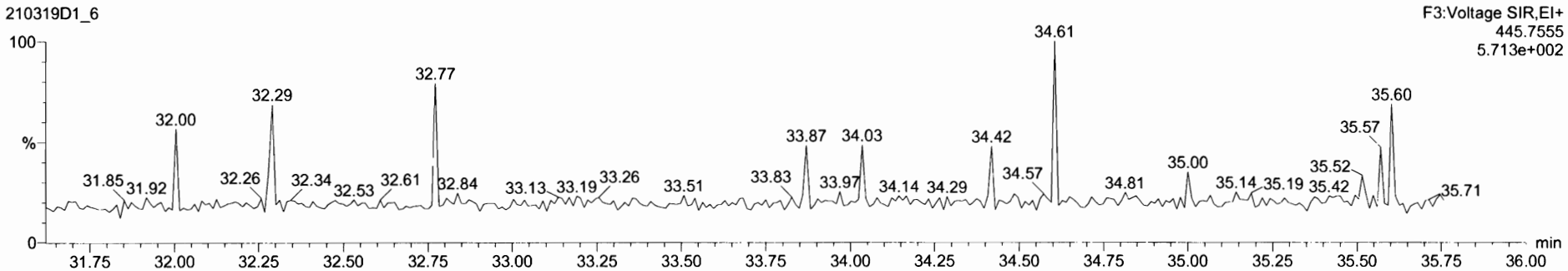

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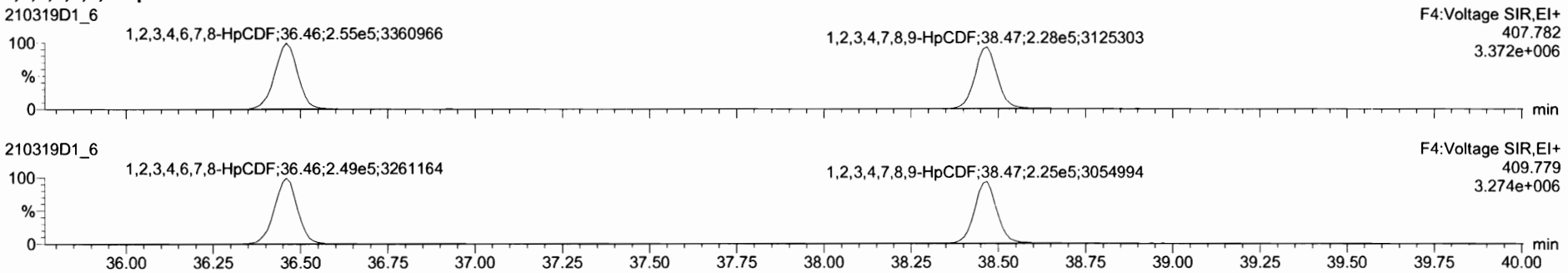
1,2,3,4,6,7,8-HpCDF



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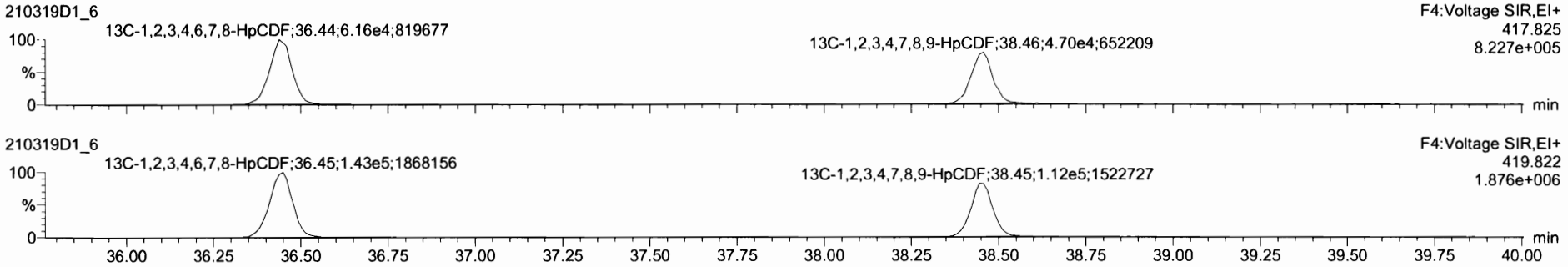

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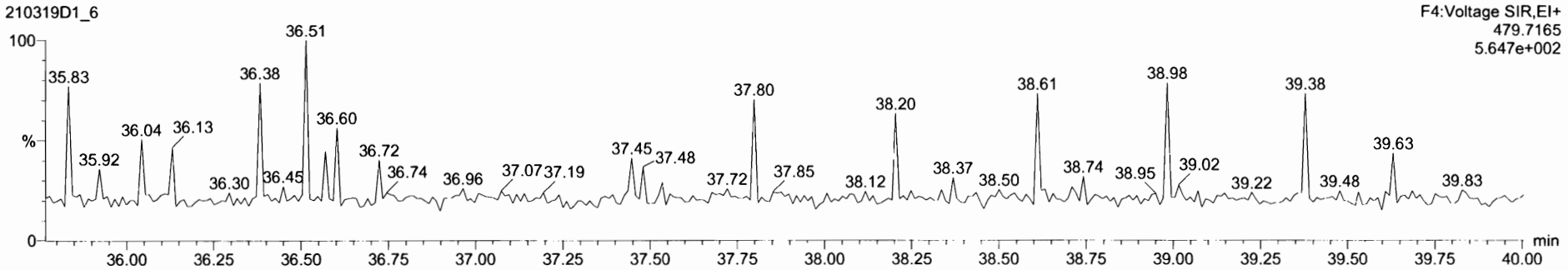

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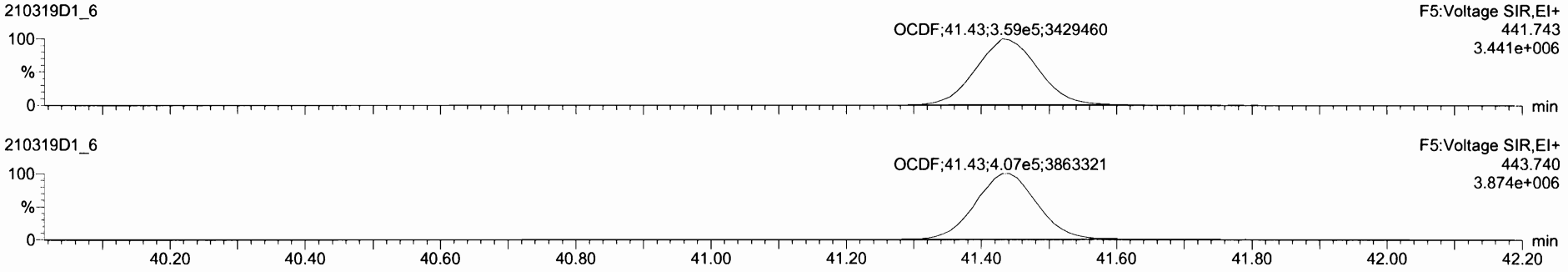

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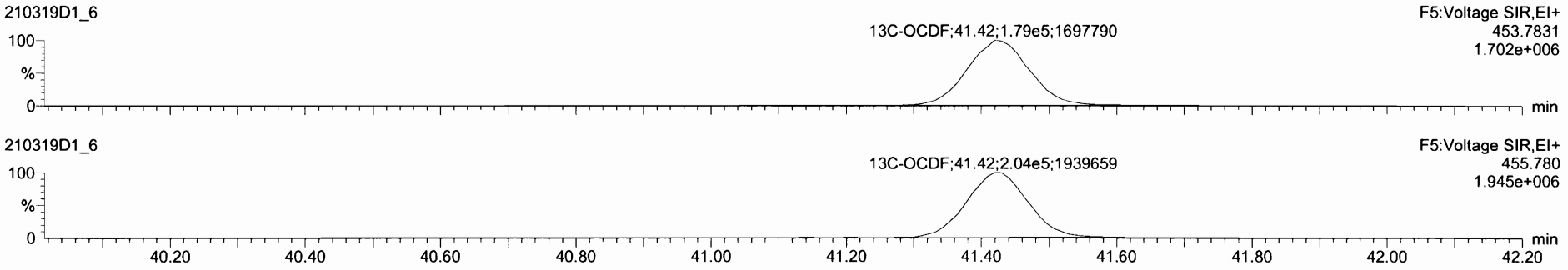

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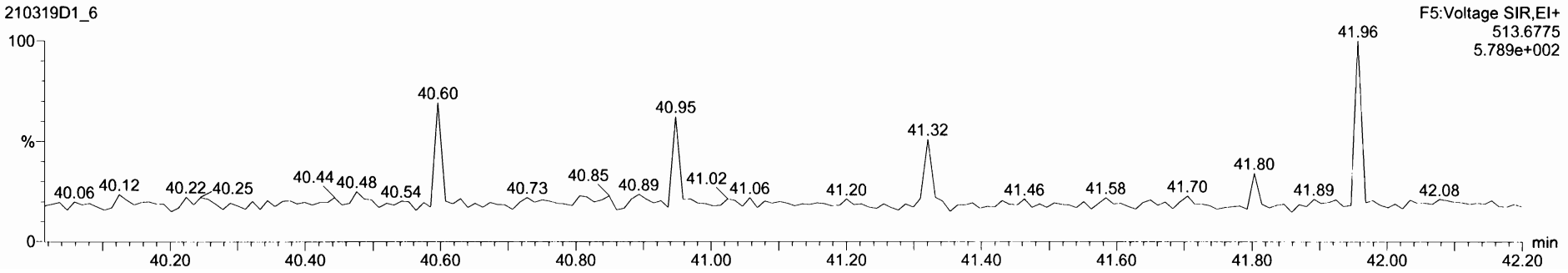

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Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

Name: 210319D1_6, Date: 19-Mar-2021, Time: 11:25:31, ID: ST210319D1-6 1613 CS4 20H2522, Description: 1613 CS4 20H2522

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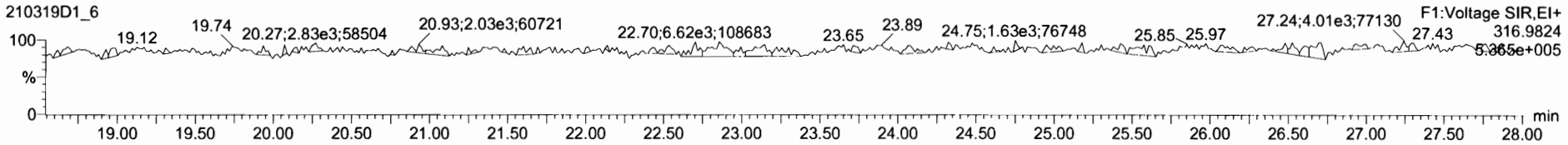
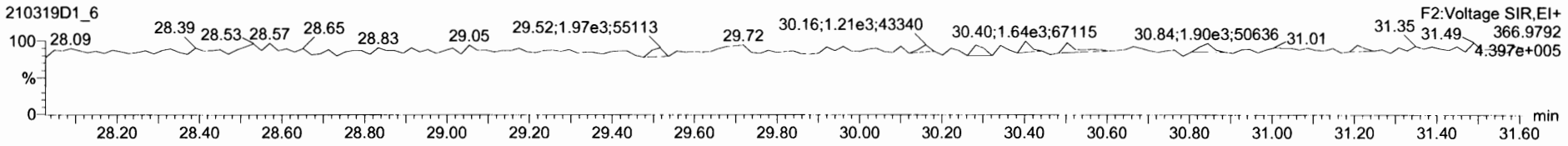


PFK2



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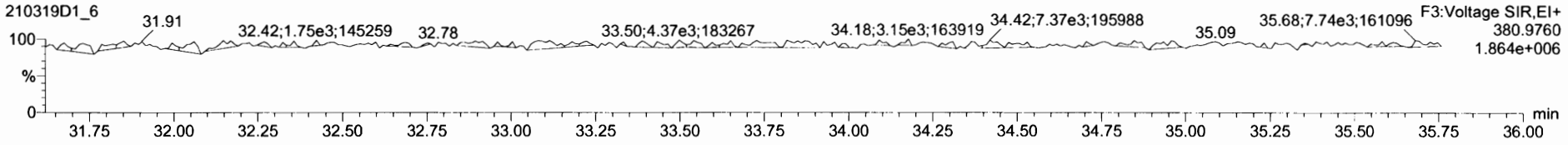

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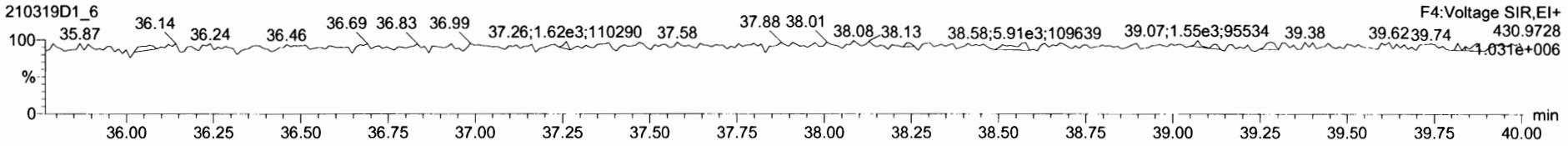

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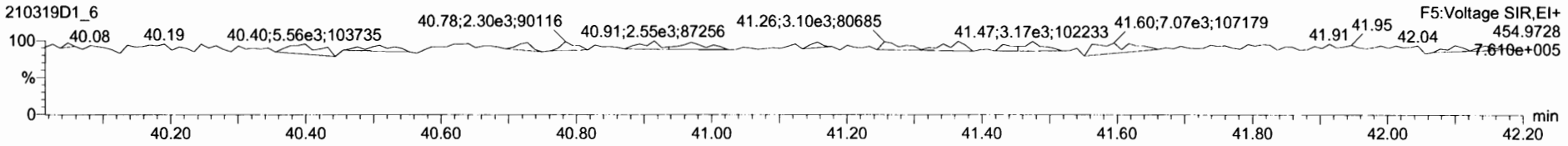

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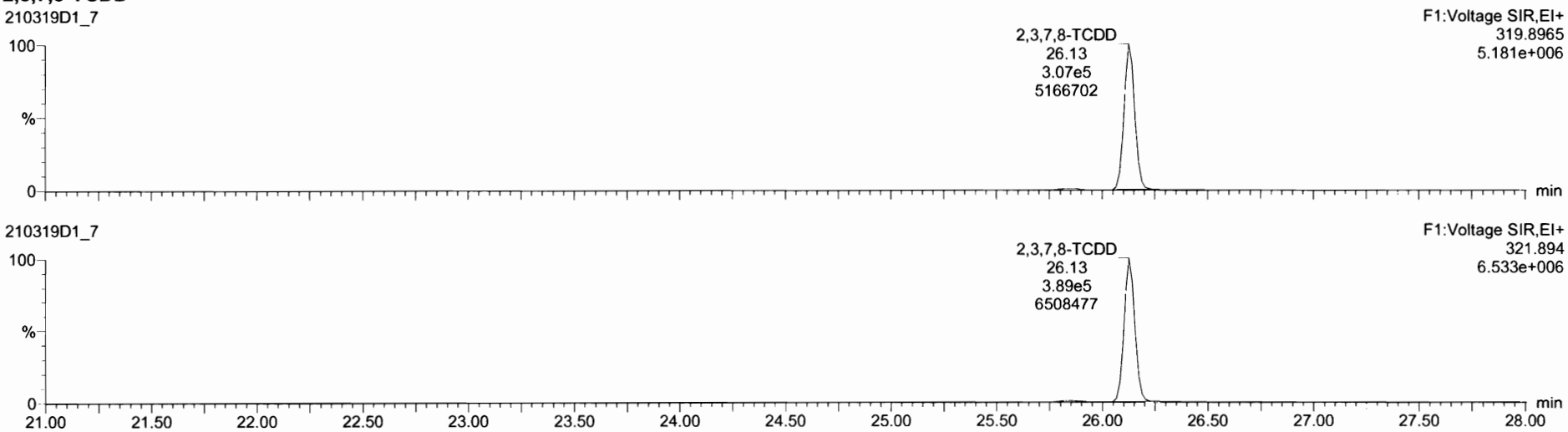
2,3,7,8-TCDD



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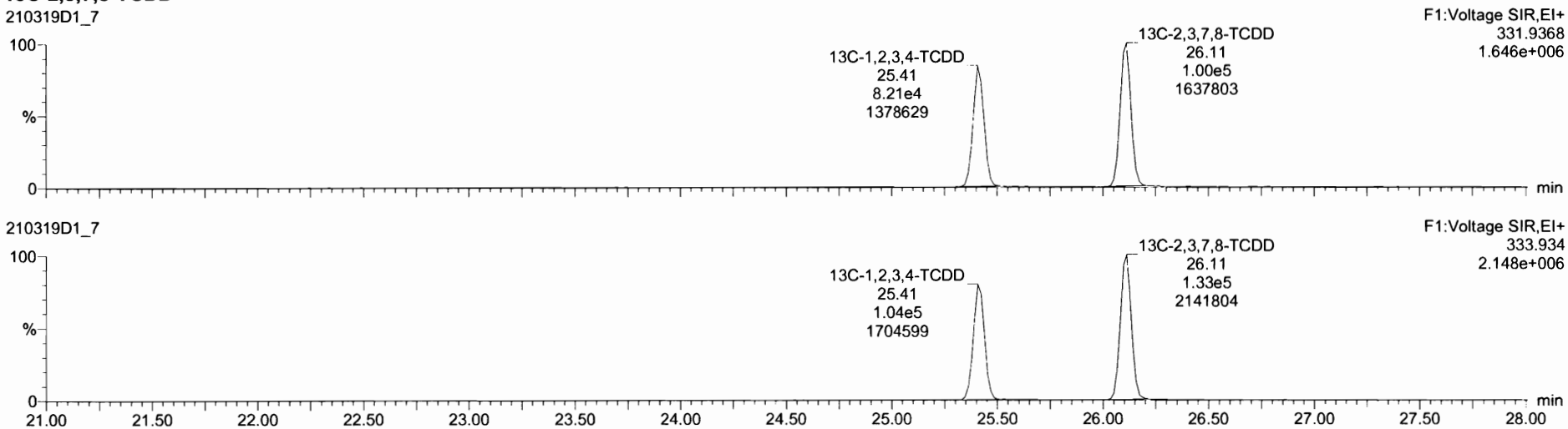

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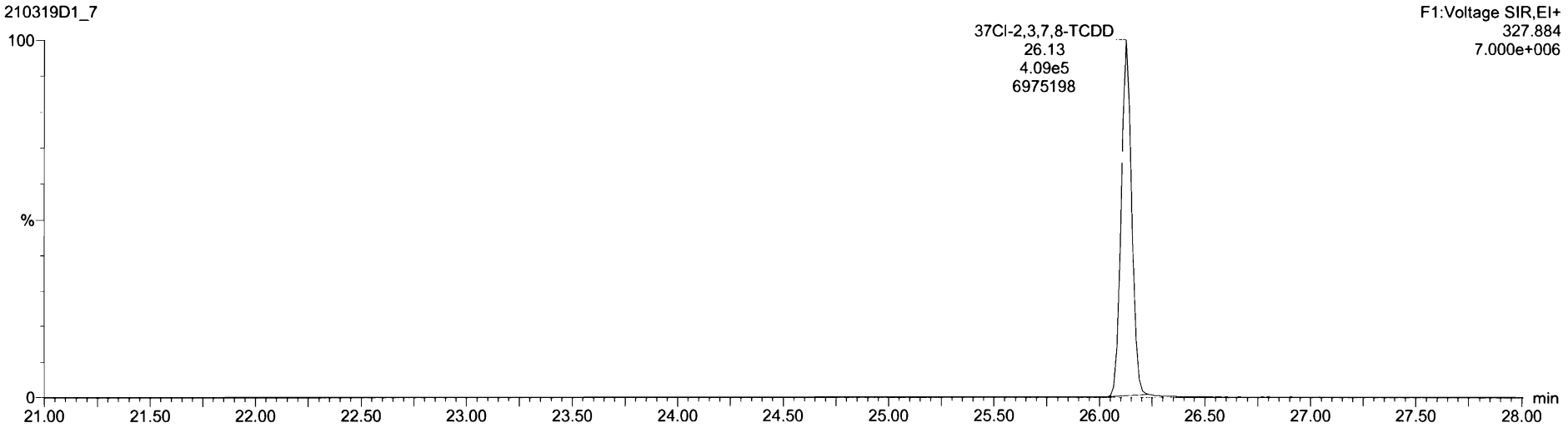
37Cl-2,3,7,8-TCDD



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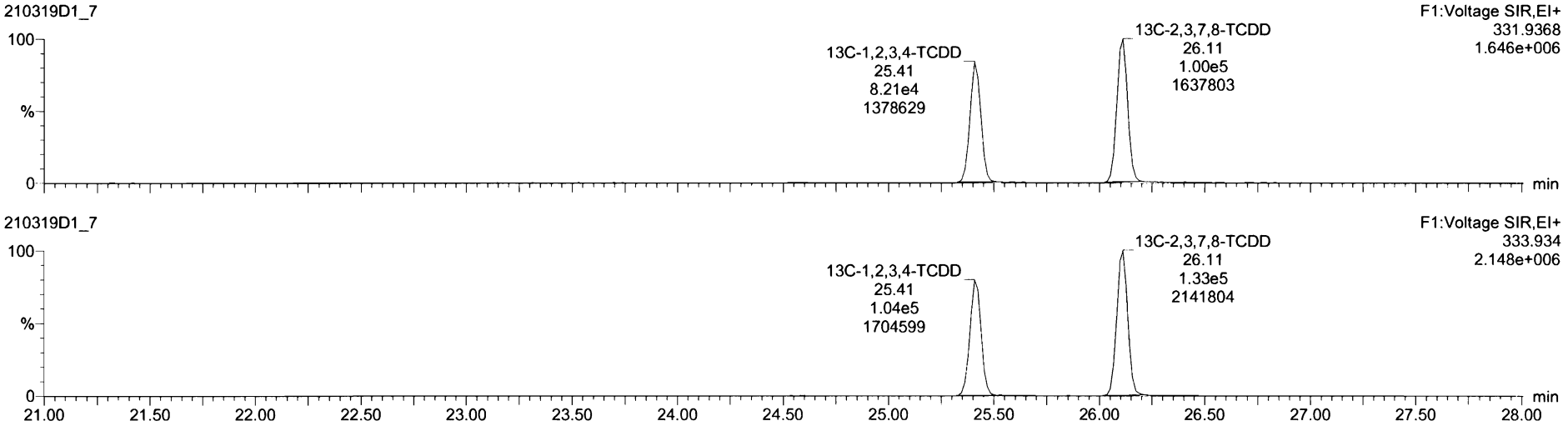

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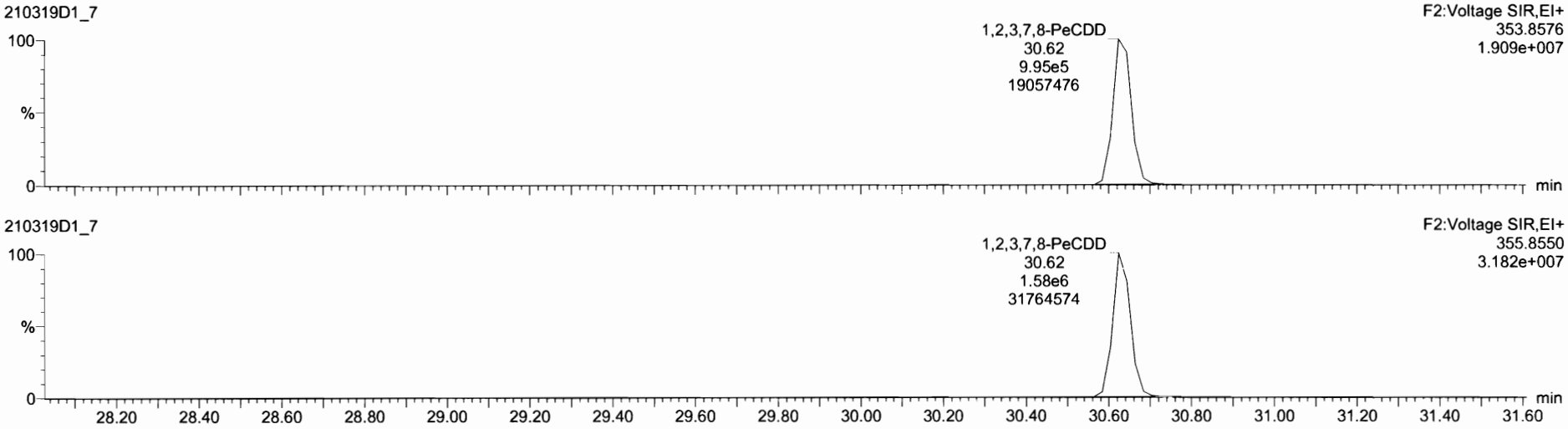
1,2,3,7,8-PeCDD



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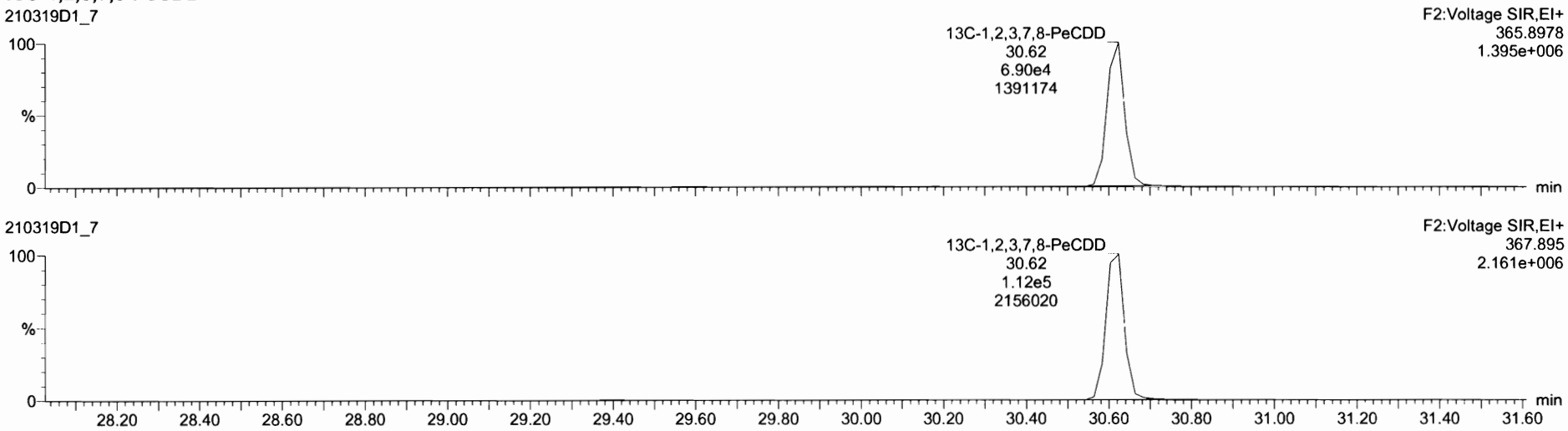

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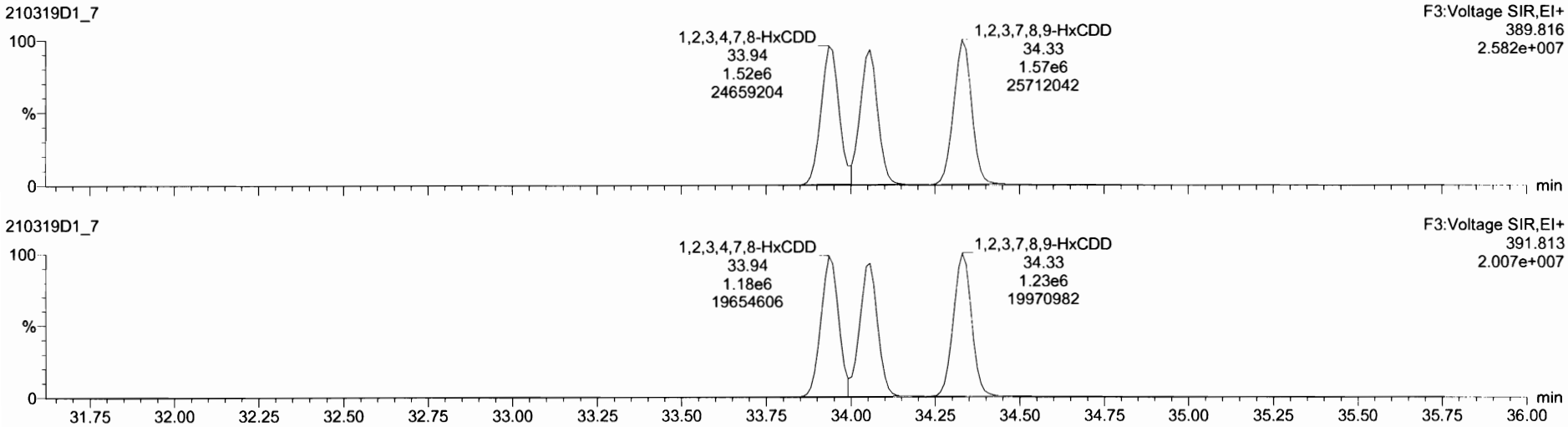
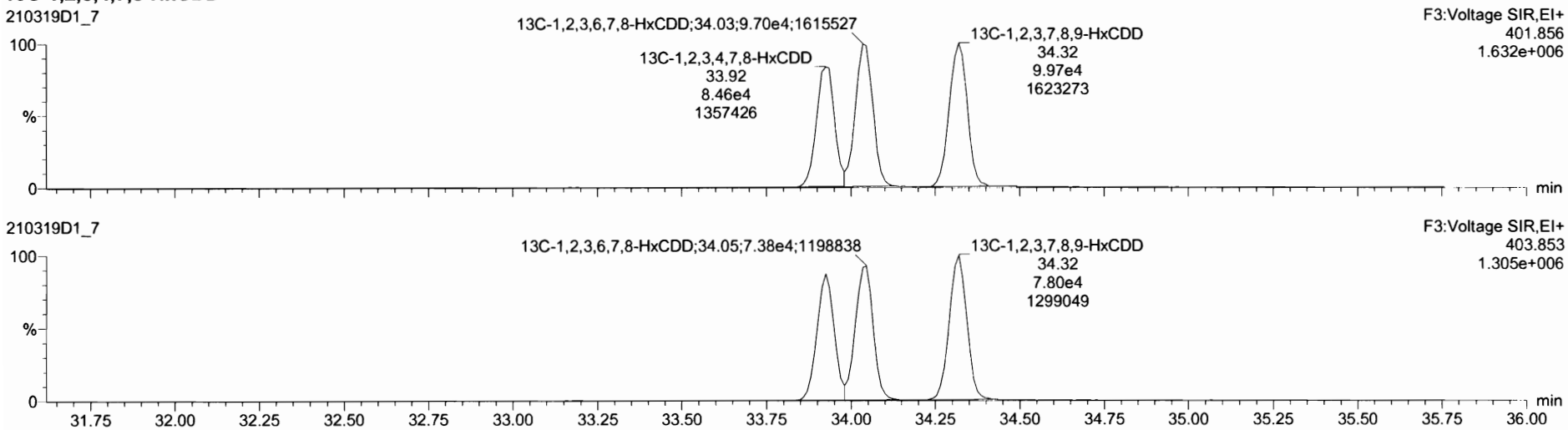
1,2,3,4,7,8-HxCDD



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



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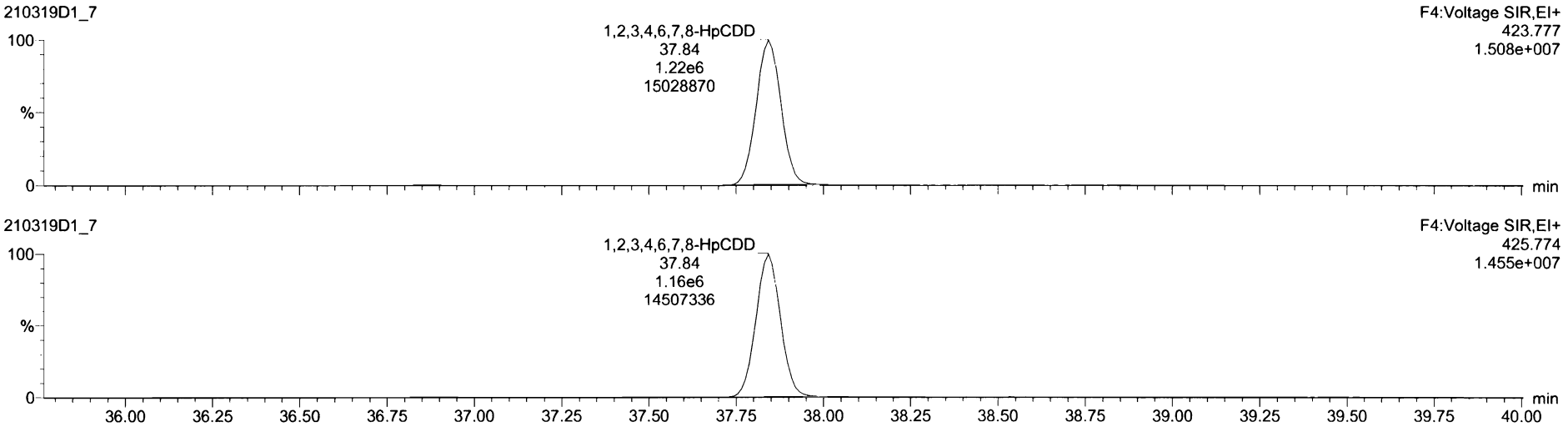
1,2,3,4,6,7,8-HpCDD



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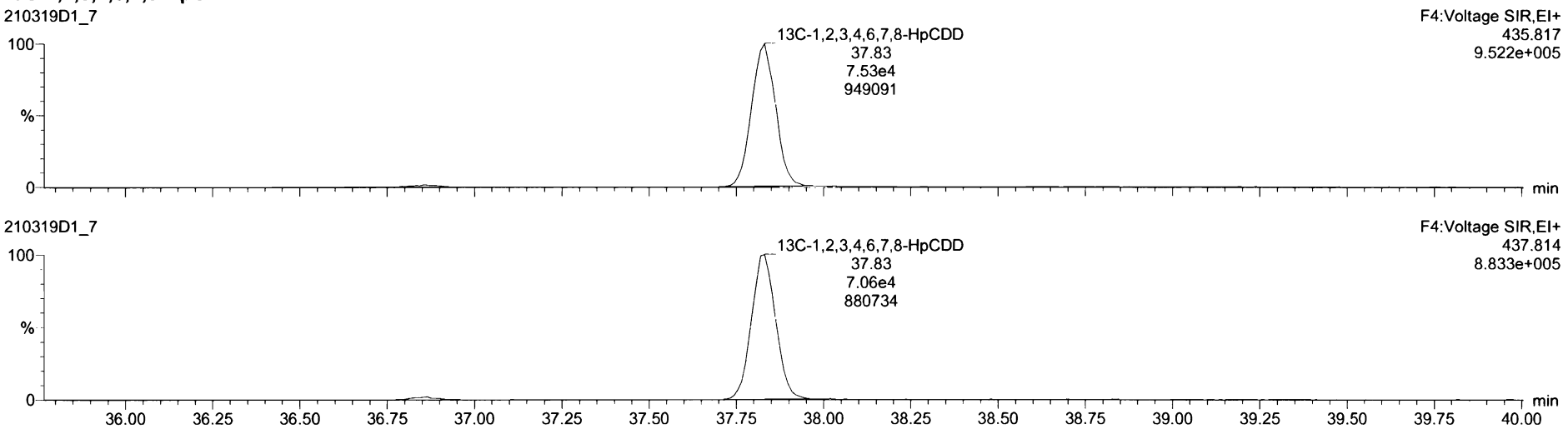

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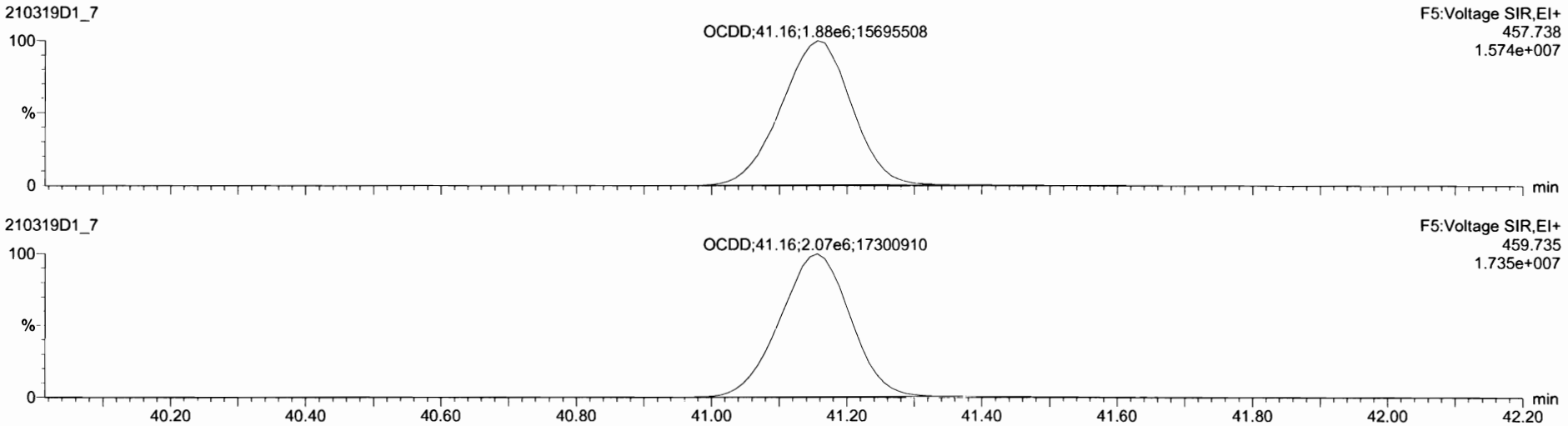
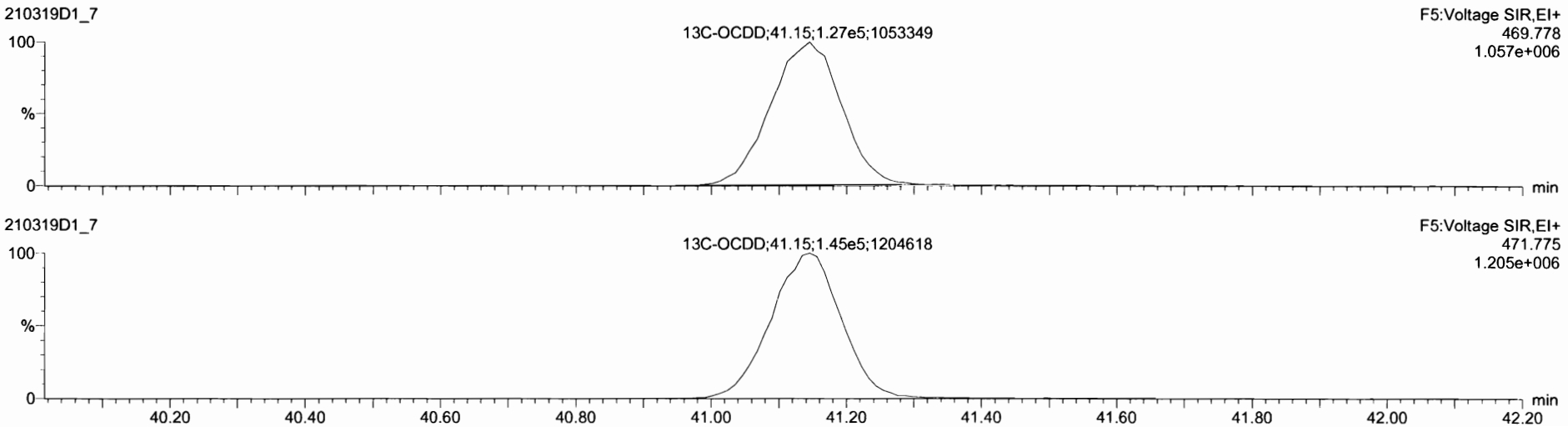
Name: 210319D1_7, Date: 19-Mar-2021, Time: 12:11:07, ID: ST210319D1-7 1613 CS5 20H2523, Description: 1613 CS5 20H2523

OCDD



13C-OCDD



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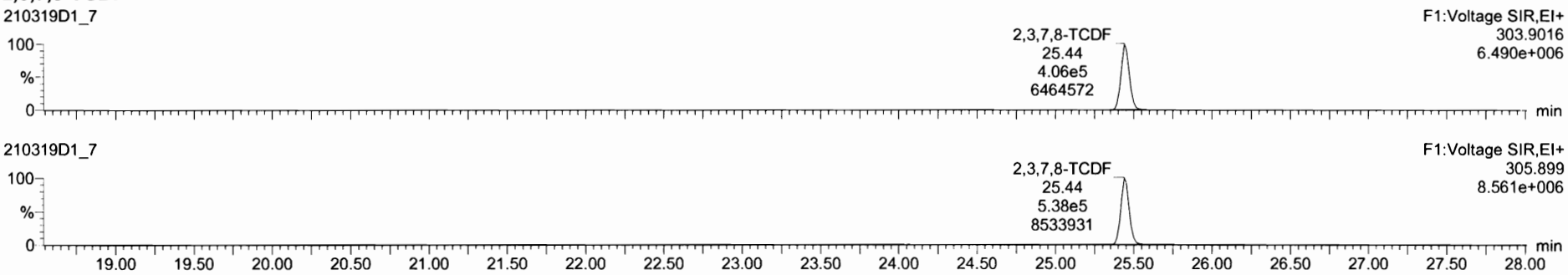
2,3,7,8-TCDF



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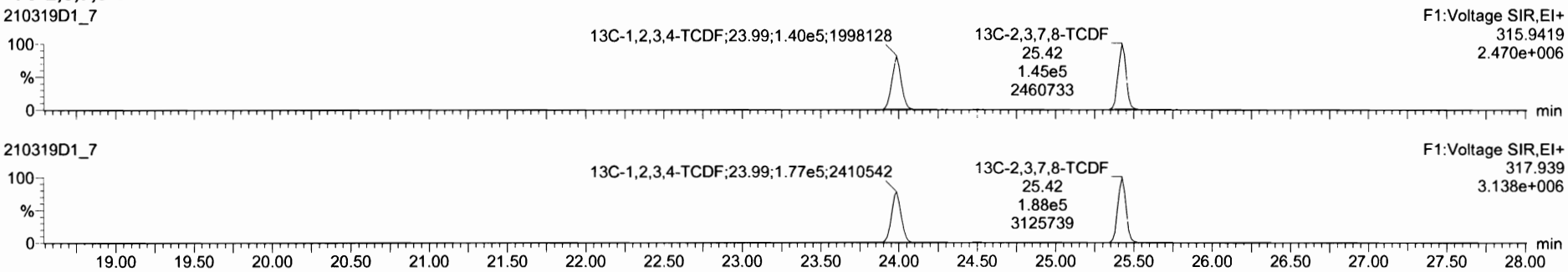

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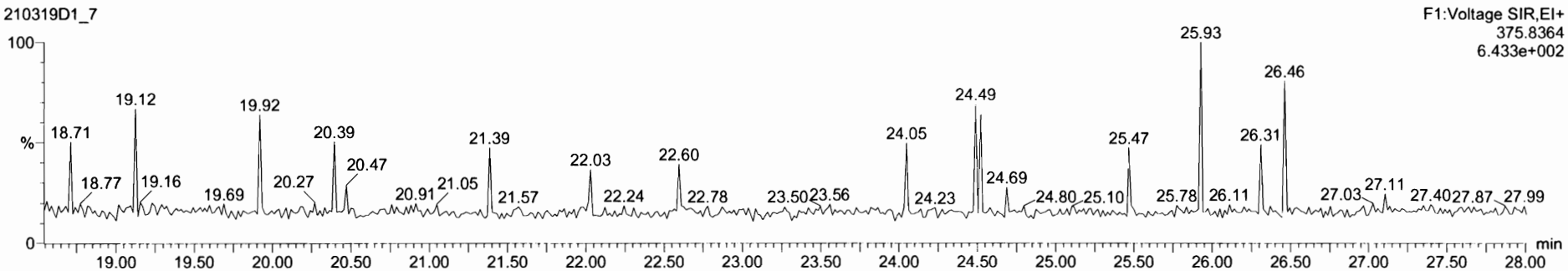

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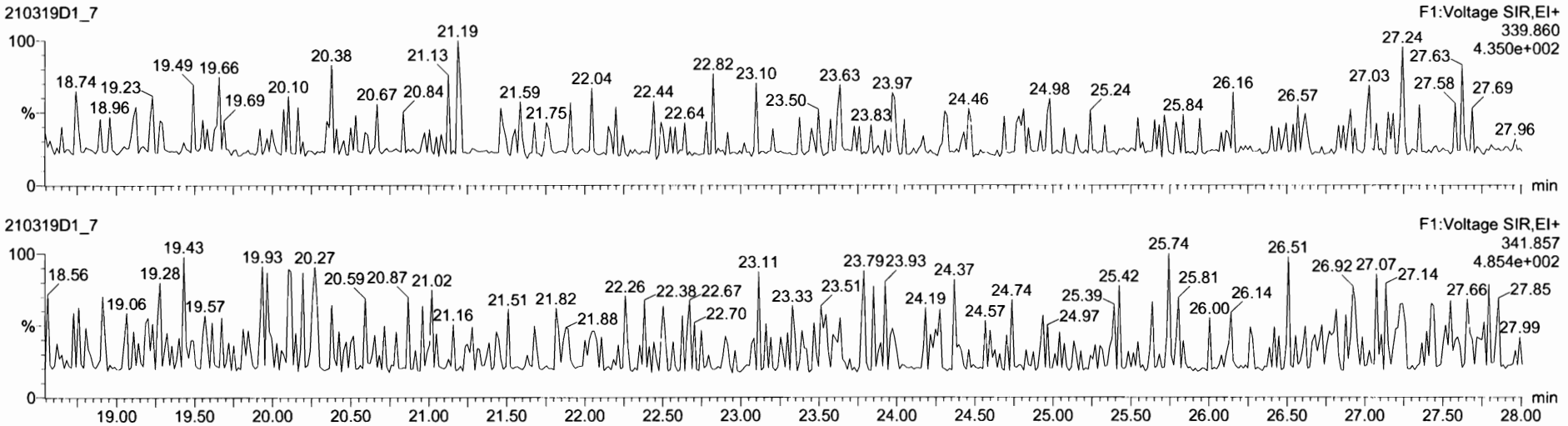

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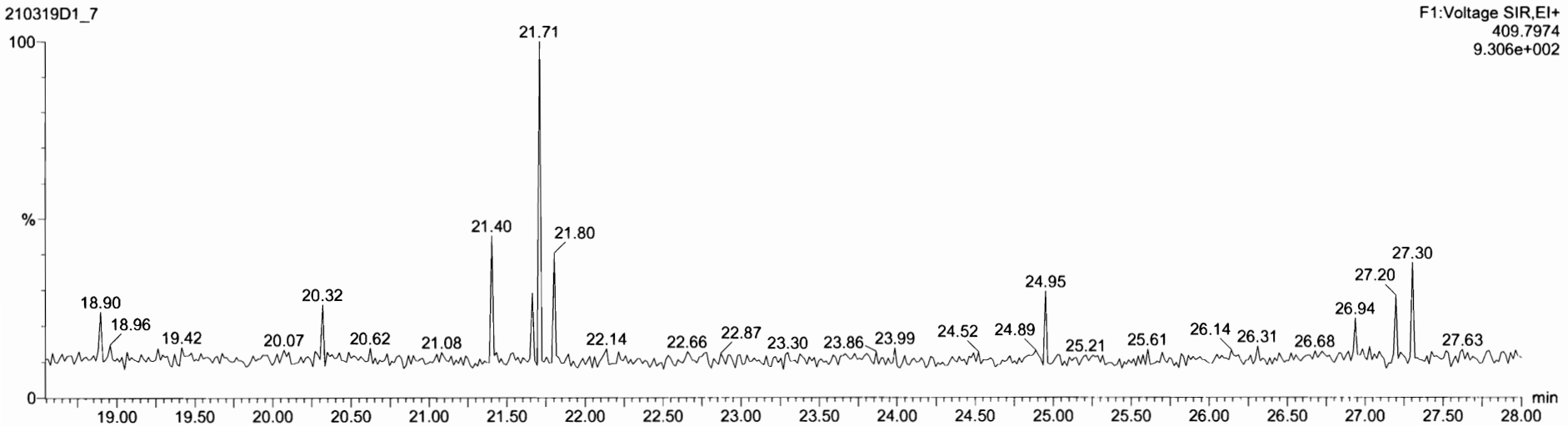

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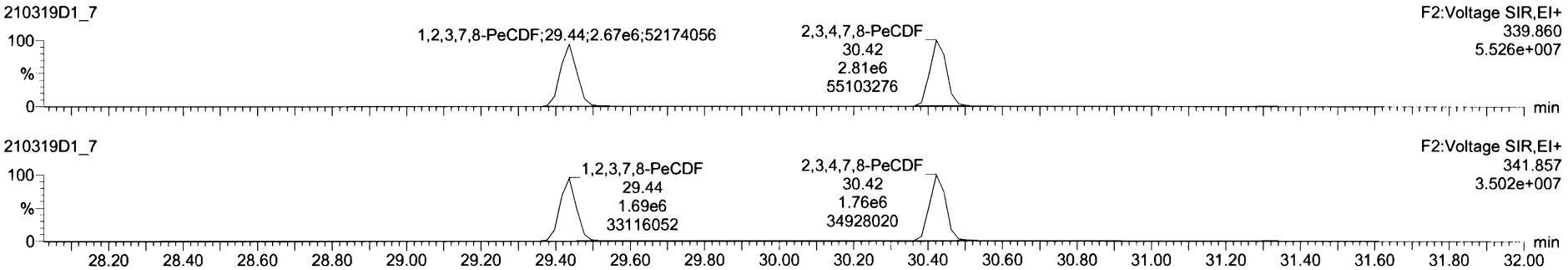
Name: 210319D1_7, Date: 19-Mar-2021, Time: 12:11:07, ID: ST210319D1-7 1613 CS5 20H2523, Description: 1613 CS5 20H2523

1,2,3,7,8-PeCDF



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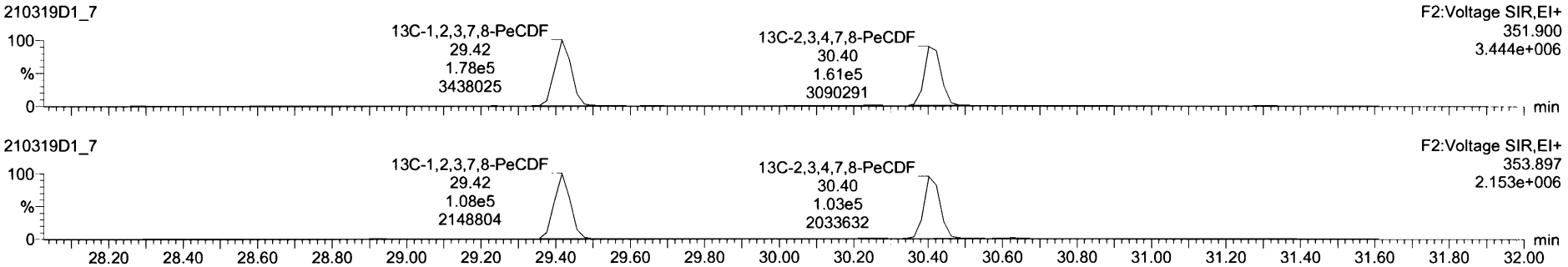

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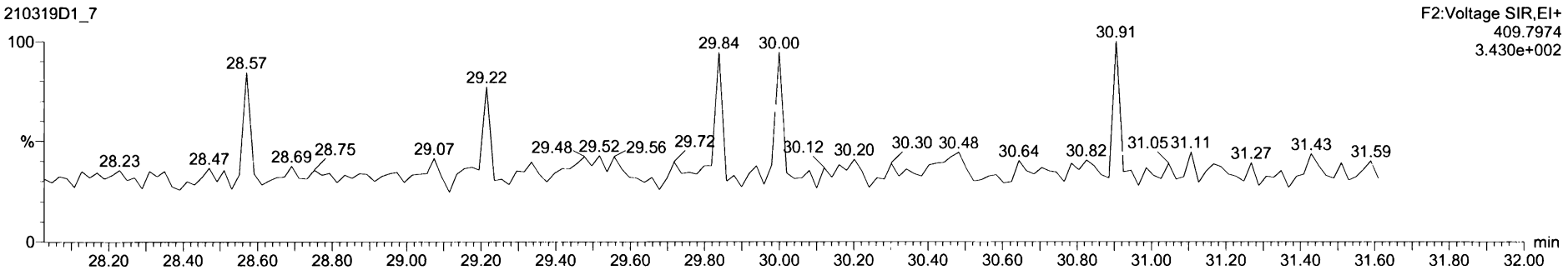

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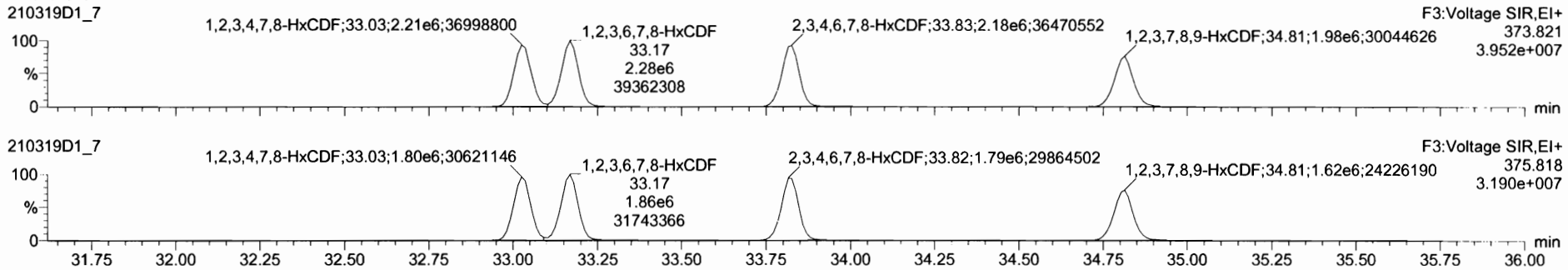
1,2,3,4,7,8-HxCDF



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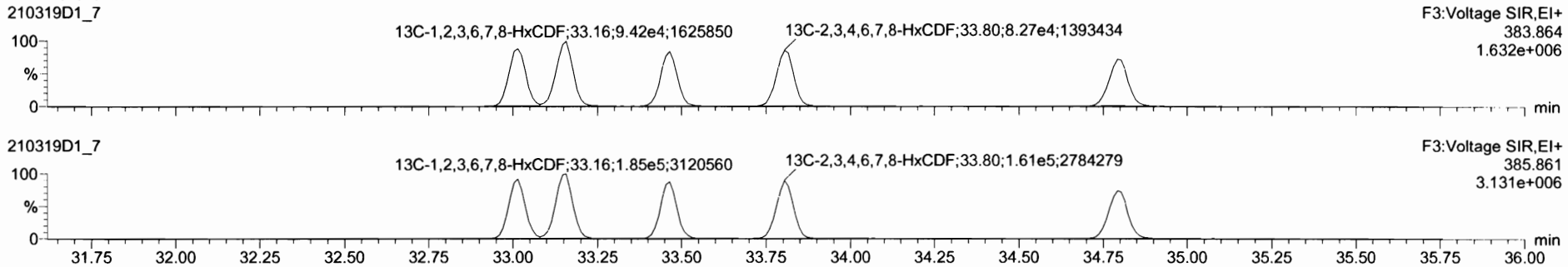

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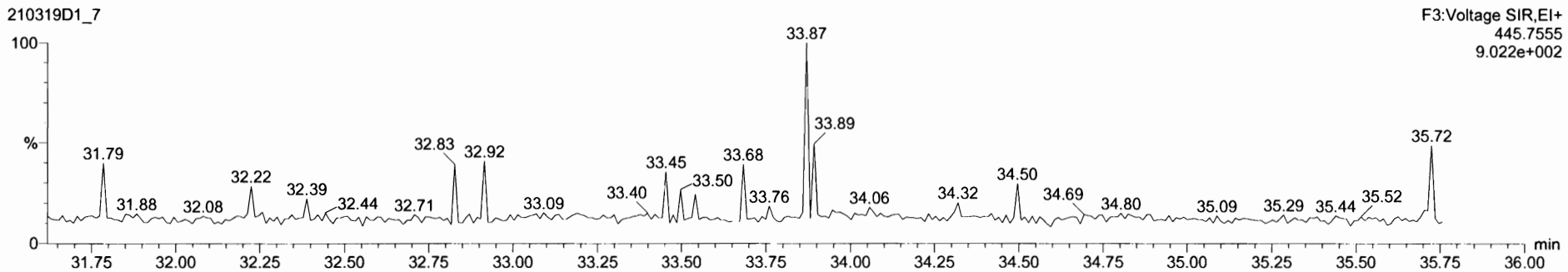

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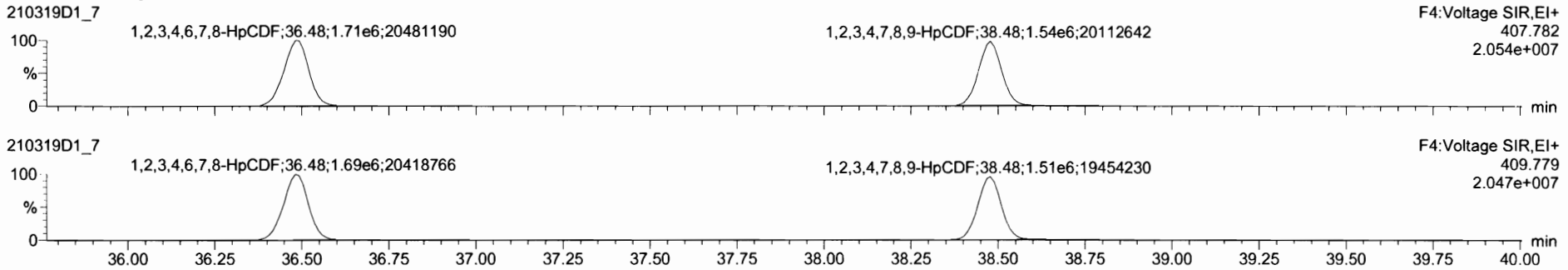
1,2,3,4,6,7,8-HpCDF



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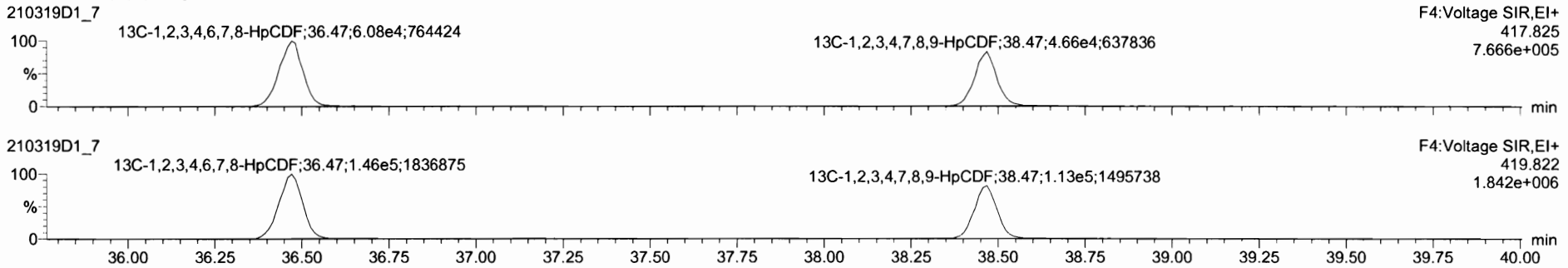

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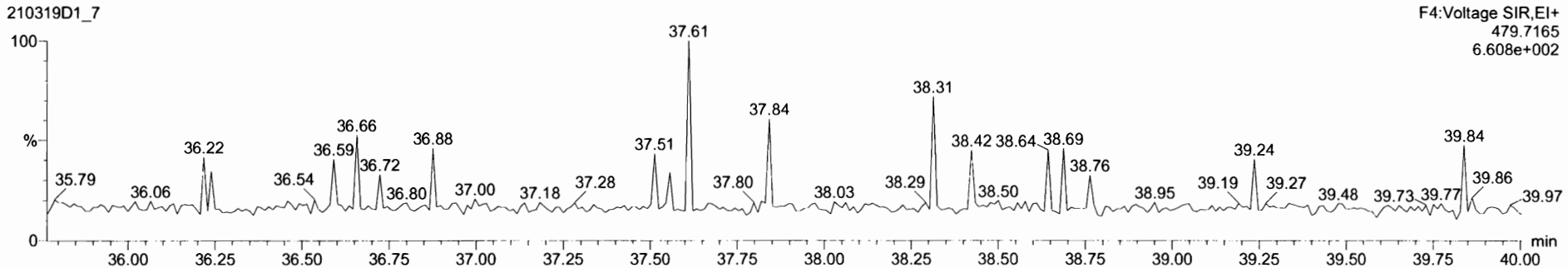

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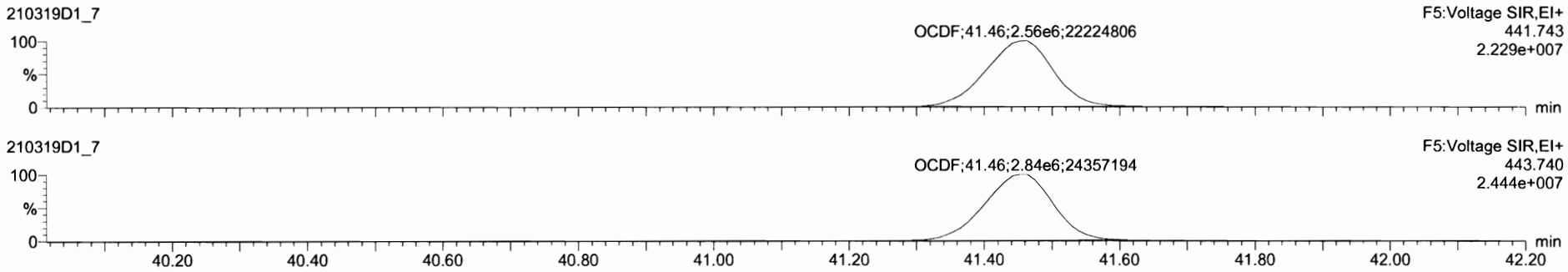
OCDF



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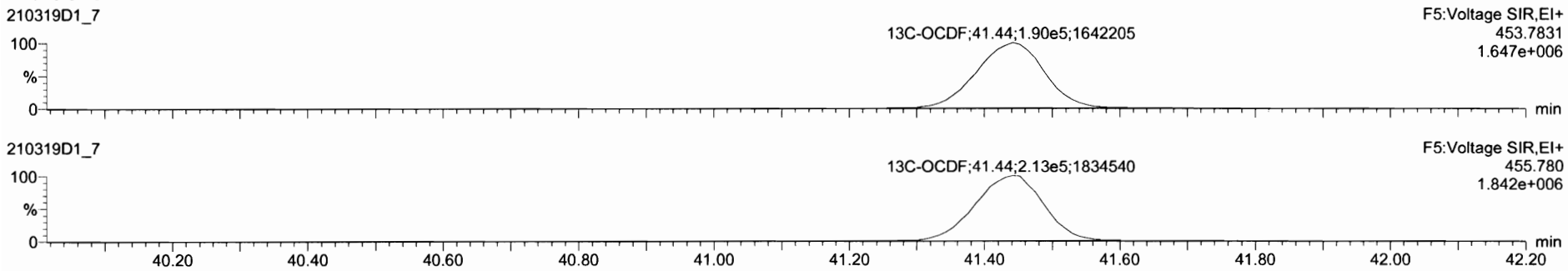

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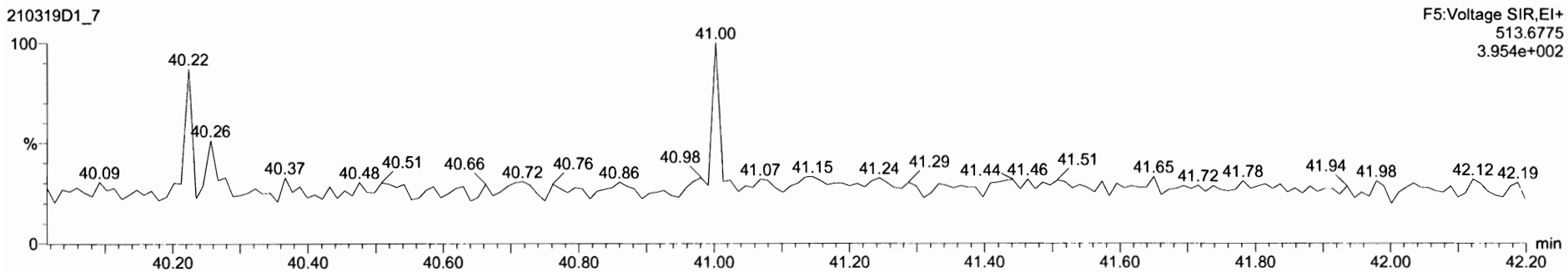

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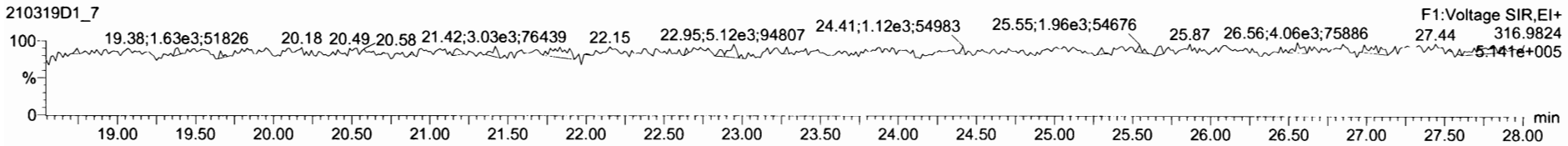
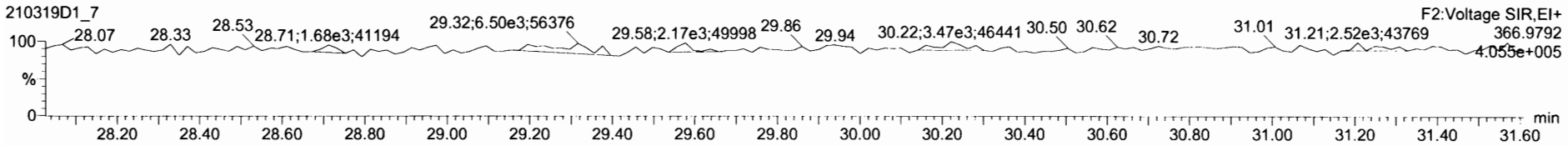
PFK1



PFK2



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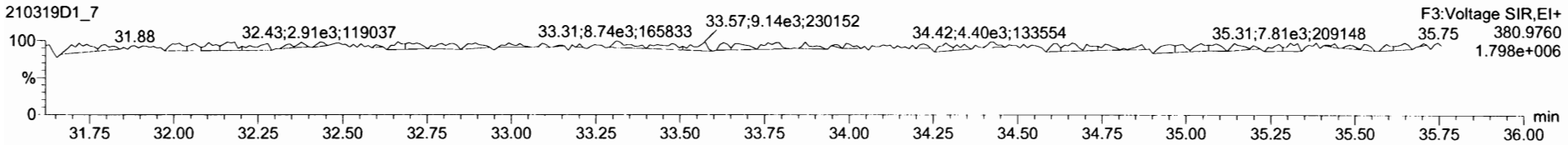
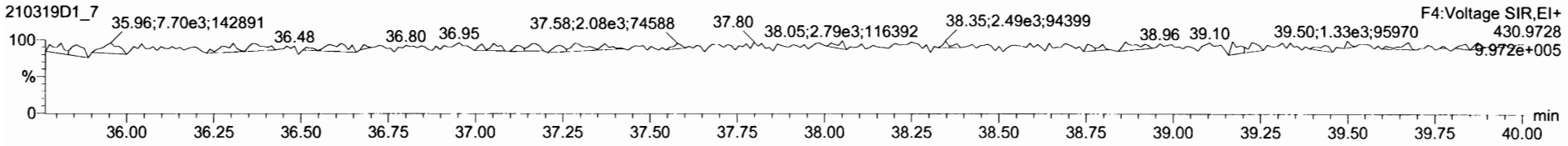
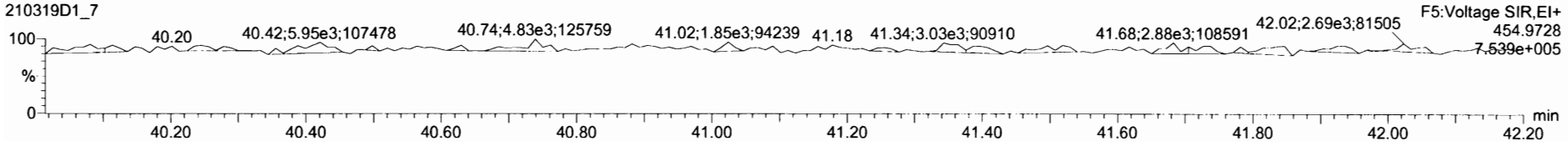


PFK4



PFK5



Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\210319D1\210319D1-9.qld

Last Altered: Monday, March 22, 2021 15:11:17 Pacific Daylight Time
Printed: Monday, March 22, 2021 17:10:37 Pacific Daylight Time

3.22.2021

Method: C:\MassLynx\Default.pro\Methdb\1613_rrt_3-19-21.mdb 22 Mar 2021 13:57:18
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Name: 210319D1_9, Date: 19-Mar-2021, Time: 13:42:53, ID: SS210319D1-1 1613 SSS 20H2524, Description: 1613 SSS 20H2524, Task: ICAL210319D1_1

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1	2,3,7,8-TCDD	1.99e4	0.77	NO	0.998	1.000	26.14	1.001	9.1262	91.3	0.0378	9.13
2	1,2,3,7,8-PeCDD	7.26e4	0.61	NO	0.961	1.000	30.64	1.001	48.967	97.9	0.0638	49.0
3	1,2,3,4,7,8-HxCDD	7.26e4	1.28	NO	1.18	1.000	33.92	1.000	47.174	94.3	0.107	47.2
4	1,2,3,6,7,8-HxCDD	7.89e4	1.28	NO	1.04	1.000	34.04	1.000	51.034	102	0.109	51.0
5	1,2,3,7,8,9-HxCDD	7.54e4	1.26	NO	1.06	1.000	34.34	1.000	48.298	96.6	0.121	48.3
6	1,2,3,4,6,7,8-HpCDD	6.50e4	1.03	NO	1.06	1.000	37.85	1.000	49.245	98.5	0.240	49.2
7	OCDD	1.06e5	0.89	NO	0.977	1.000	41.13	1.000	101.27	101	0.335	101
8	2,3,7,8-TCDF	2.92e4	0.76	NO	0.989	1.000	25.45	1.001	8.6575	86.6	0.0333	8.66
9	1,2,3,7,8-PeCDF	1.26e5	1.64	NO	1.02	1.000	29.46	1.001	47.984	96.0	0.126	48.0
10	2,3,4,7,8-PeCDF	1.43e5	1.67	NO	1.17	1.000	30.44	1.001	51.467	103	0.117	51.5
11	1,2,3,4,7,8-HxCDF	1.25e5	1.25	NO	1.14	1.000	33.03	1.000	49.536	99.1	0.146	49.5
12	1,2,3,6,7,8-HxCDF	1.28e5	1.26	NO	1.04	1.000	33.16	1.000	49.945	99.9	0.151	49.9
13	2,3,4,6,7,8-HxCDF	1.24e5	1.22	NO	1.13	1.000	33.81	1.001	50.967	102	0.176	51.0
14	1,2,3,7,8,9-HxCDF	9.87e4	1.25	NO	1.07	1.000	34.82	1.000	48.288	96.6	0.251	48.3
15	1,2,3,4,6,7,8-HpCDF	1.01e5	1.01	NO	1.11	1.000	36.48	1.000	50.772	102	0.218	50.8
16	1,2,3,4,7,8,9-HpCDF	7.99e4	1.04	NO	1.32	1.000	38.51	1.000	46.804	93.6	0.273	46.8
17	OCDF	1.32e5	0.89	NO	0.931	1.000	41.45	1.000	92.072	92.1	0.254	92.1
18	13C-2,3,7,8-TCDD	2.18e5	0.75	NO	1.20	1.000	26.13	1.028	96.317	96.3	0.165	
19	13C-1,2,3,7,8-PeCDD	1.54e5	0.60	NO	0.864	1.000	30.62	1.204	94.778	94.8	0.190	
20	13C-1,2,3,4,7,8-HxCDD	1.30e5	1.30	NO	0.600	1.000	33.91	1.014	94.304	94.3	0.213	
21	13C-1,2,3,6,7,8-HxCDD	1.49e5	1.35	NO	0.674	1.000	34.03	1.018	95.903	95.9	0.190	
22	13C-1,2,3,7,8,9-HxCDD	1.47e5	1.25	NO	0.679	1.000	34.33	1.027	94.523	94.5	0.188	
23	13C-1,2,3,4,6,7,8-HpCDD	1.24e5	1.07	NO	0.558	1.000	37.84	1.132	97.065	97.1	0.328	
24	13C-OCDD	2.14e5	0.88	NO	0.496	1.000	41.12	1.230	187.37	93.7	0.294	
25	13C-2,3,7,8-TCDF	3.41e5	0.76	NO	1.03	1.000	25.44	1.001	102.83	103	0.196	
26	13C-1,2,3,7,8-PeCDF	2.57e5	1.64	NO	0.805	1.000	29.44	1.158	98.802	98.8	0.309	
27	13C-2,3,4,7,8-PeCDF	2.37e5	1.61	NO	0.748	1.000	30.42	1.197	98.120	98.1	0.333	
28	13C-1,2,3,4,7,8-HxCDF	2.21e5	0.51	NO	0.968	1.000	33.01	0.987	99.332	99.3	0.276	
29	13C-1,2,3,6,7,8-HxCDF	2.47e5	0.50	NO	1.08	1.000	33.15	0.991	99.031	99.0	0.246	
30	13C-2,3,4,6,7,8-HxCDF	2.16e5	0.50	NO	0.960	1.000	33.79	1.010	97.720	97.7	0.278	
31	13C-1,2,3,7,8,9-HxCDF	1.90e5	0.51	NO	0.869	1.000	34.81	1.041	95.257	95.3	0.307	
32	13C-1,2,3,4,6,7,8-HpCDF	1.79e5	0.41	NO	0.794	1.000	36.47	1.091	98.063	98.1	0.294	

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\210319D1\210319D1-9.qld

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Name: 210319D1_9, Date: 19-Mar-2021, Time: 13:42:53, ID: SS210319D1-1 1613 SSS 20H2524, Description: 1613 SSS 20H2524, Task: ICAL210319D1_1

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
33	13C-1,2,3,4,7,8,9-HpCDF	1.30e5	0.42	NO	0.586	1.000	38.50	1.151	96.426	96.4	0.398	
34	13C-OCDF	3.07e5	0.89	NO	0.711	1.000	41.43	1.239	188.18	94.1	0.239	
35	37Cl-2,3,7,8-TCDD	1.83e4			1.11	1.000	26.14	1.028	8.7755	87.8	0.0347	
36	13C-1,2,3,4-TCDD	1.88e5	0.82	NO	1.00	1.000	25.42	1.000	100.00	100	0.198	
37	13C-1,2,3,4-TCDF	3.23e5	0.81	NO	1.00	1.000	24.00	1.000	100.00	100	0.201	
38	13C-1,2,3,4,6,9-HxCDF	2.30e5	0.51	NO	1.00	1.000	33.44	1.000	100.00	100	0.267	

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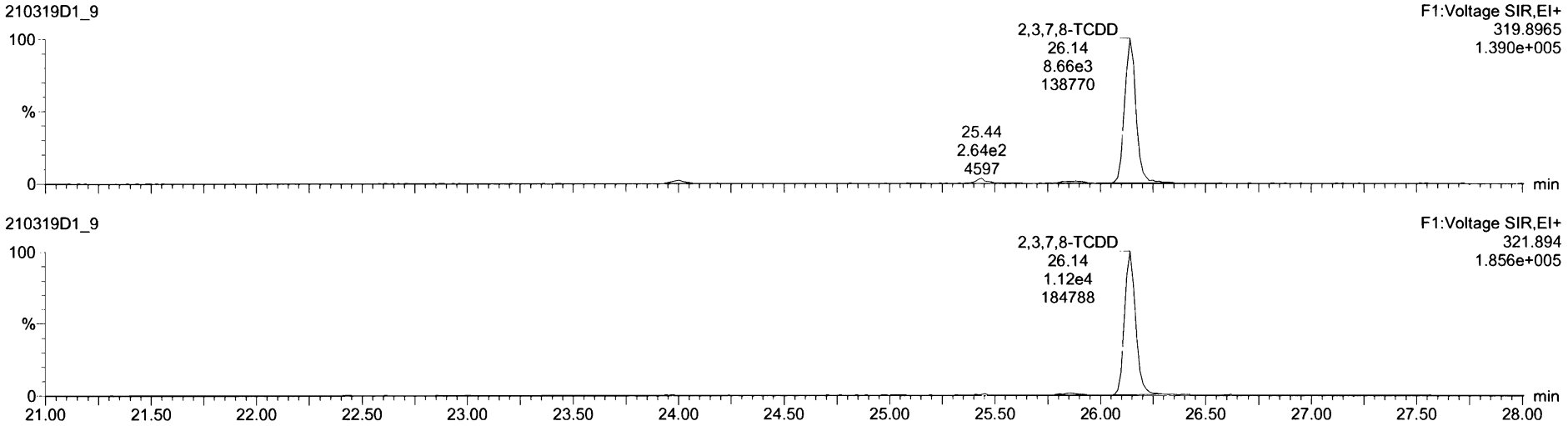
2,3,7,8-TCDD



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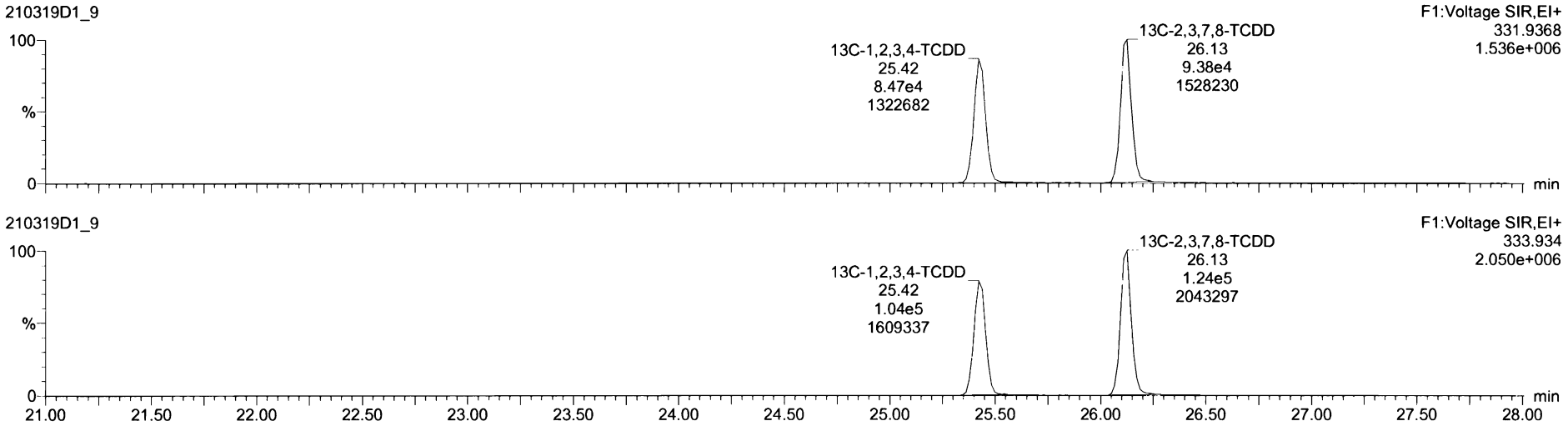

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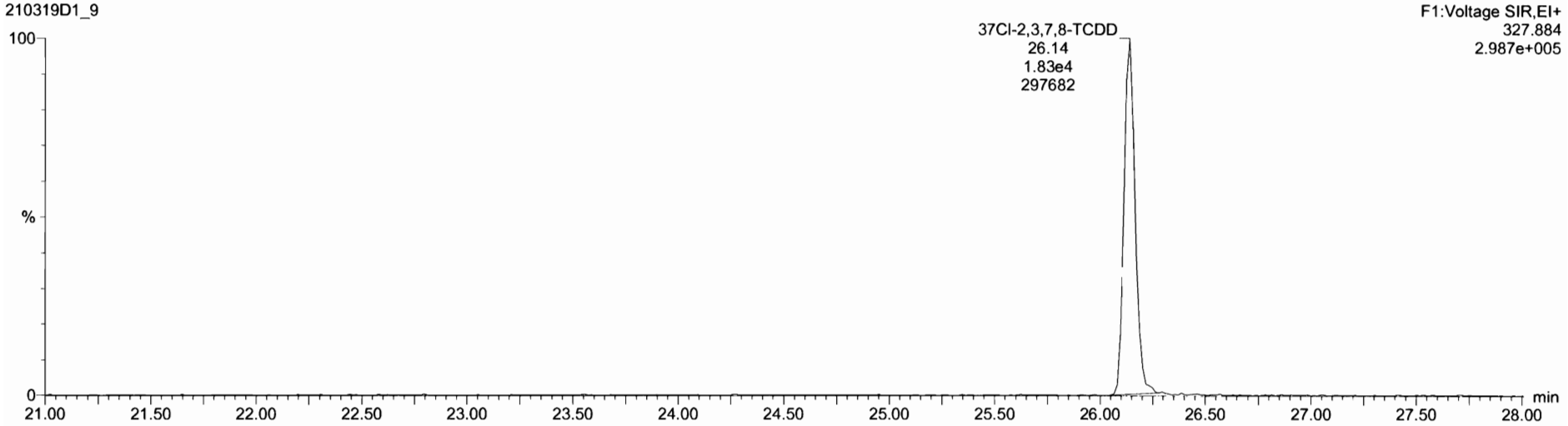

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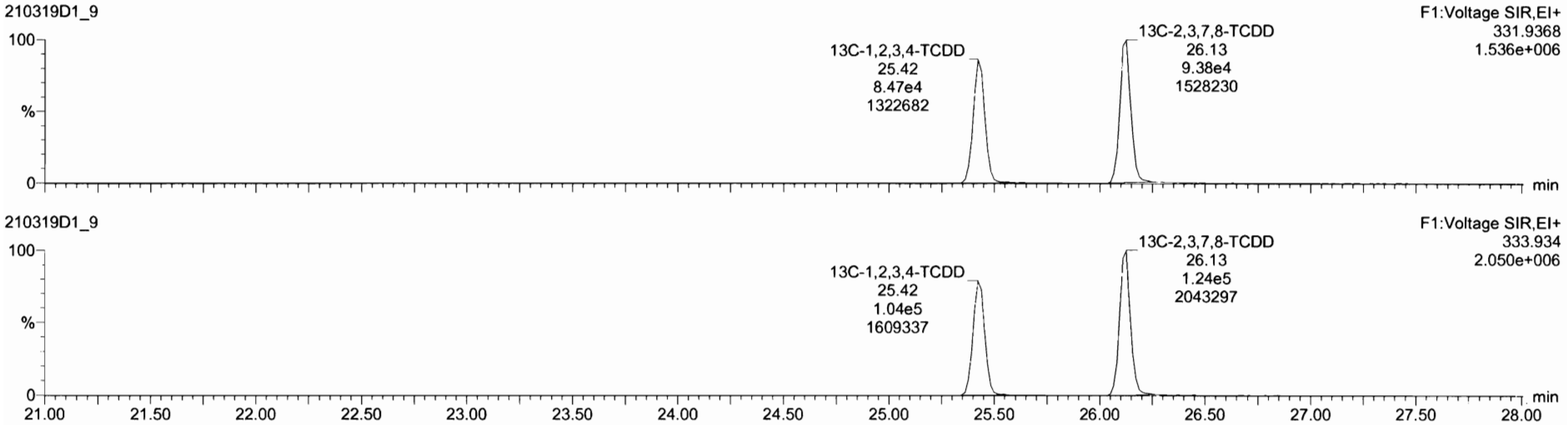

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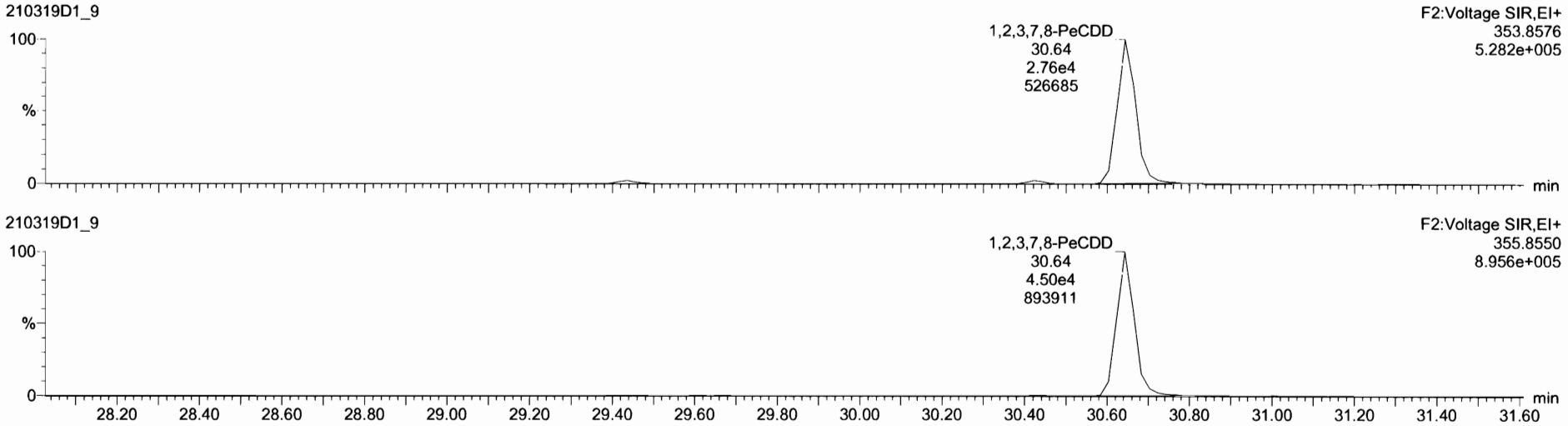
1,2,3,7,8-PeCDD



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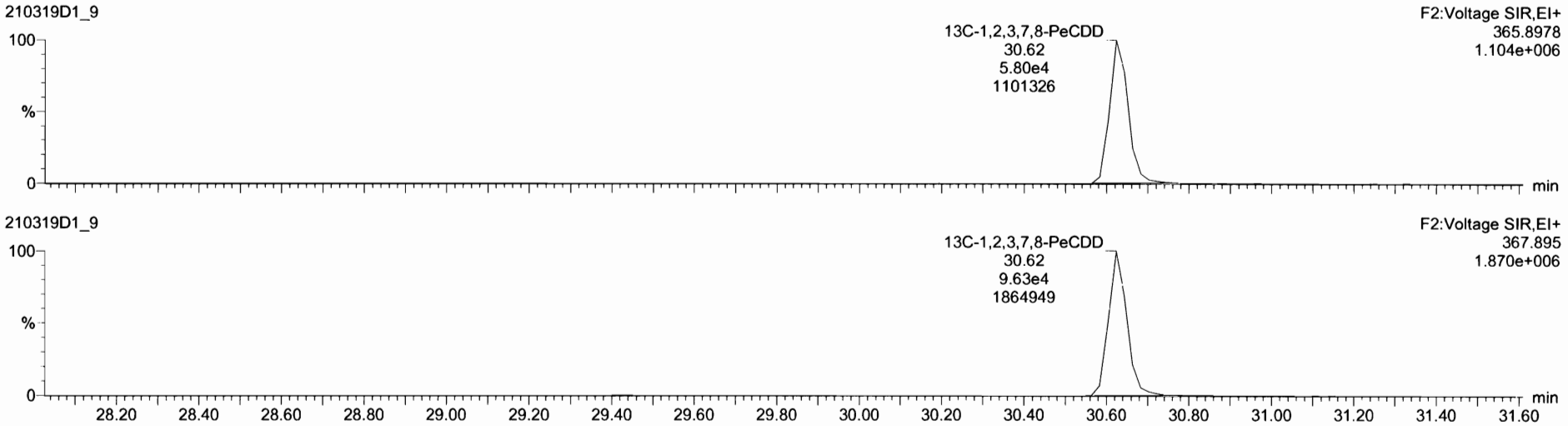

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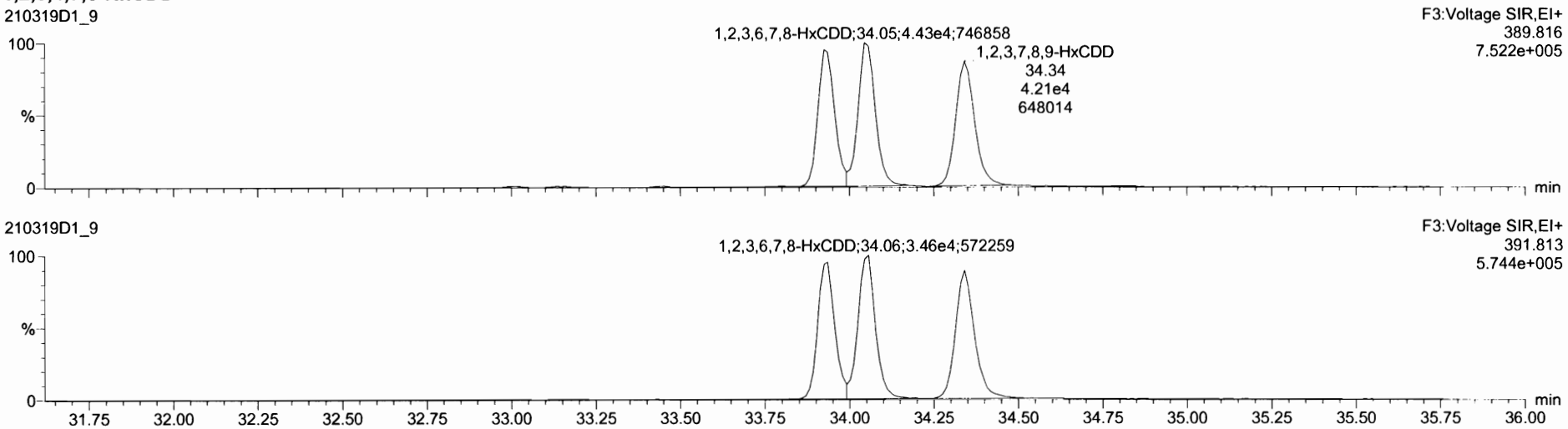
1,2,3,4,7,8-HxCDD



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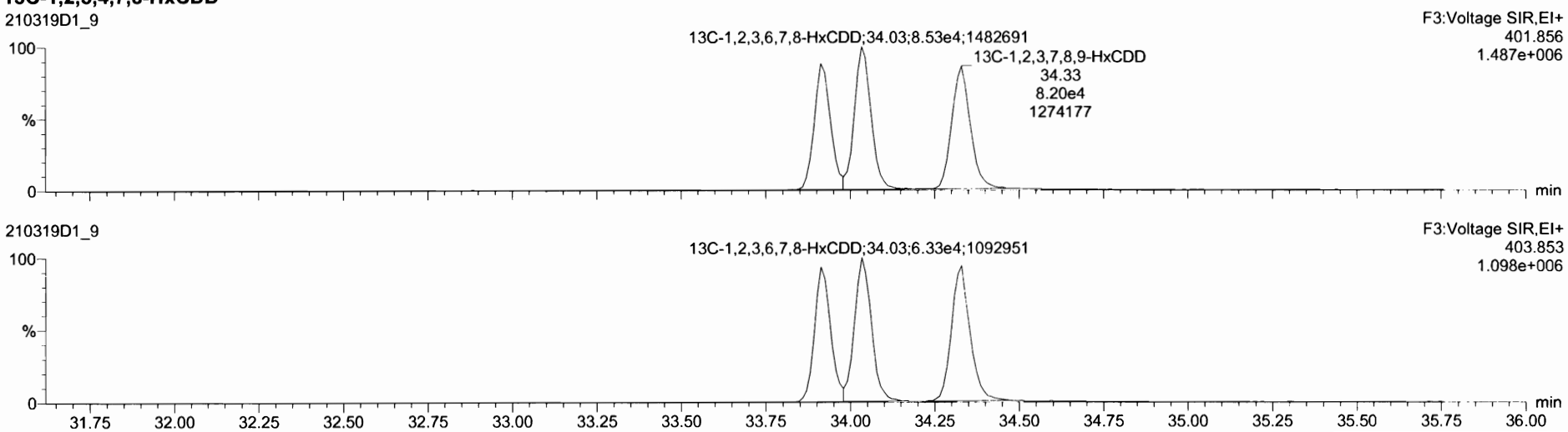

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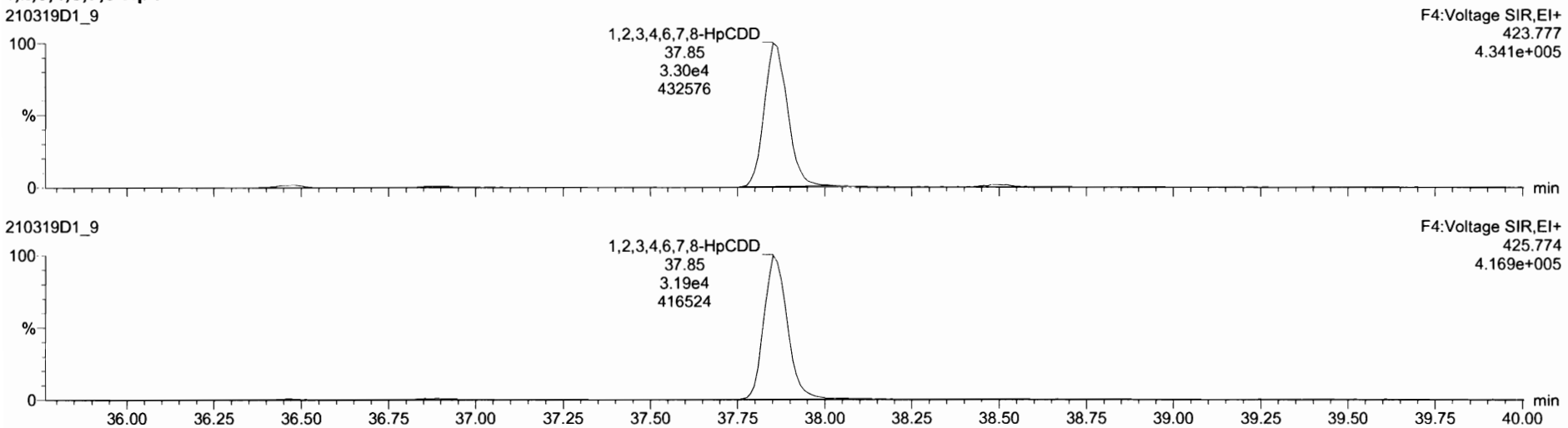
1,2,3,4,6,7,8-HpCDD



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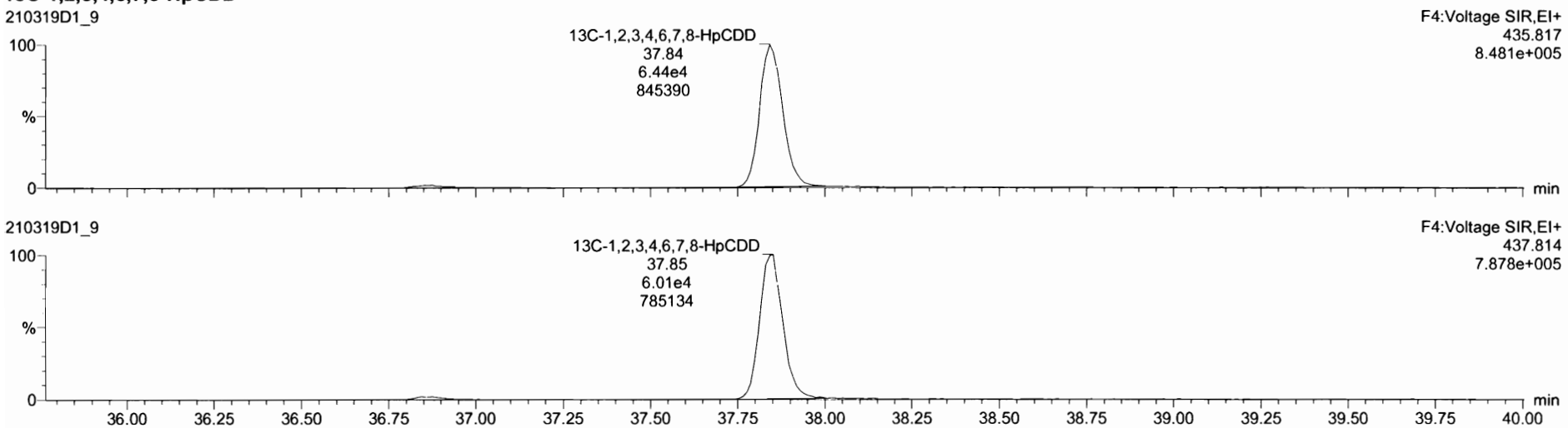

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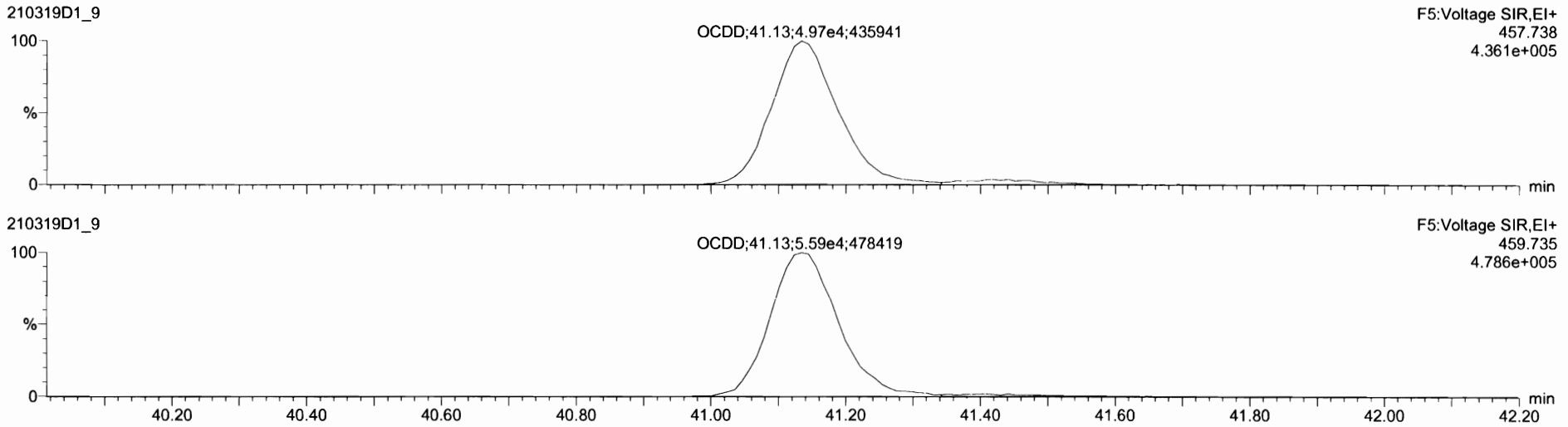

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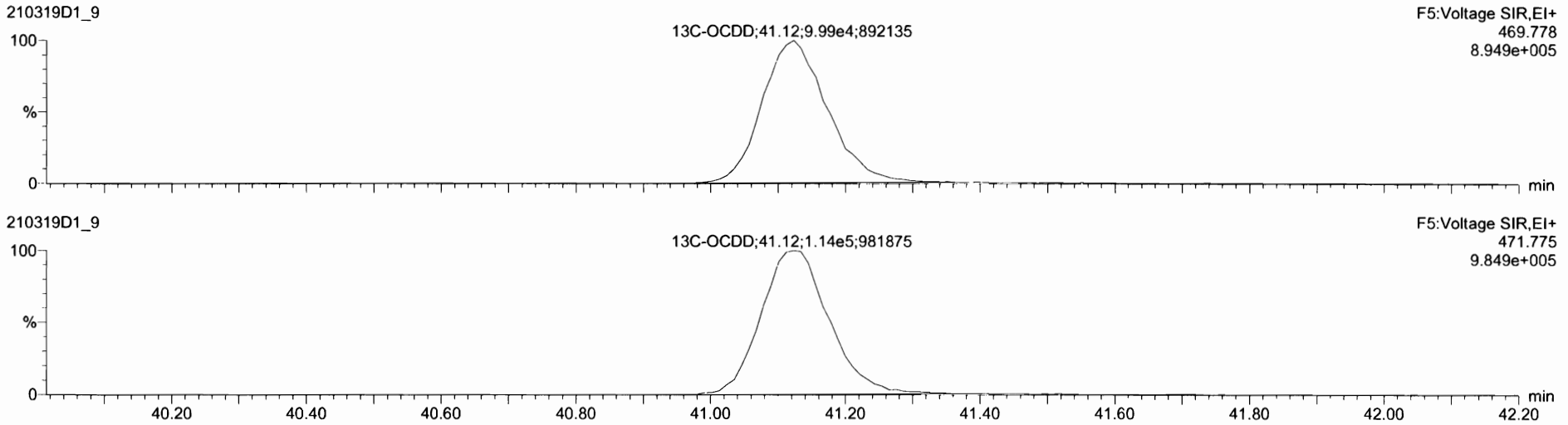

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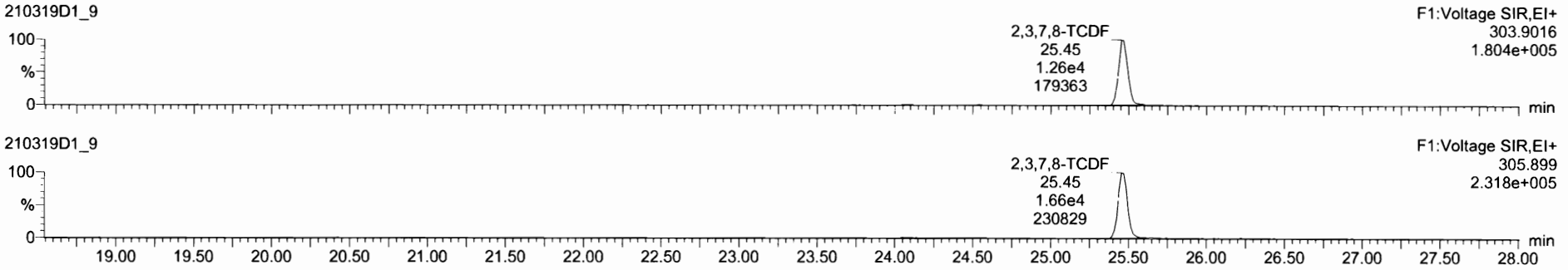
2,3,7,8-TCDF



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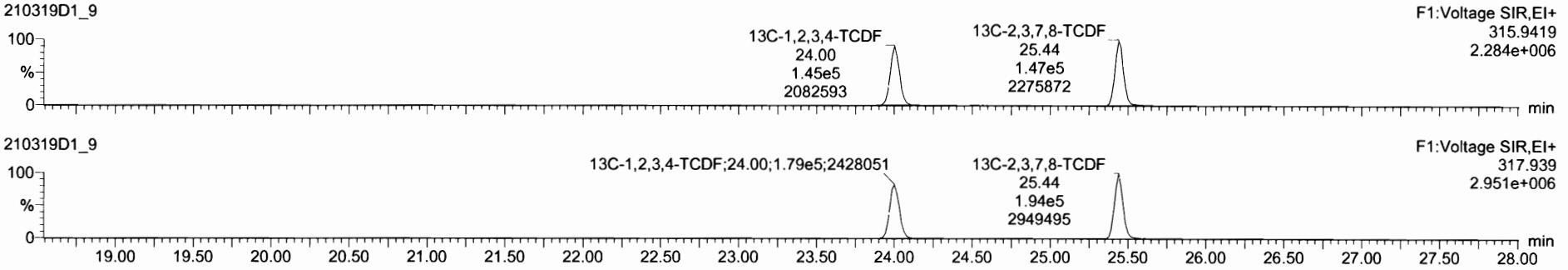

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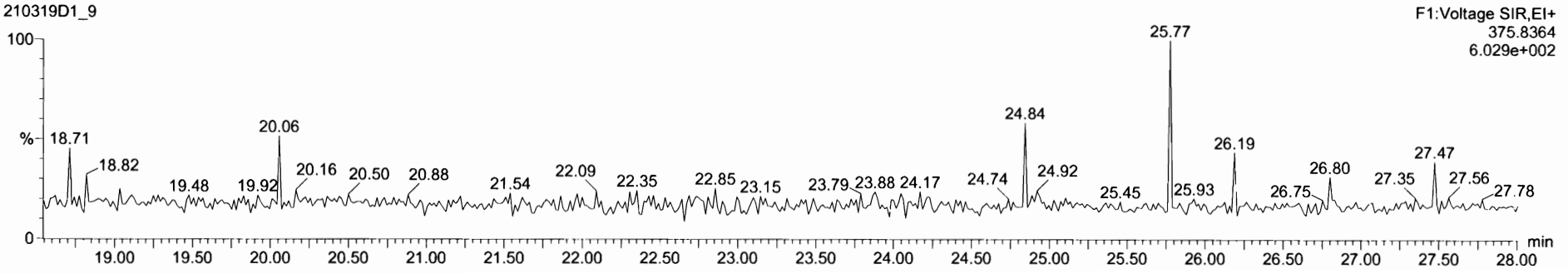

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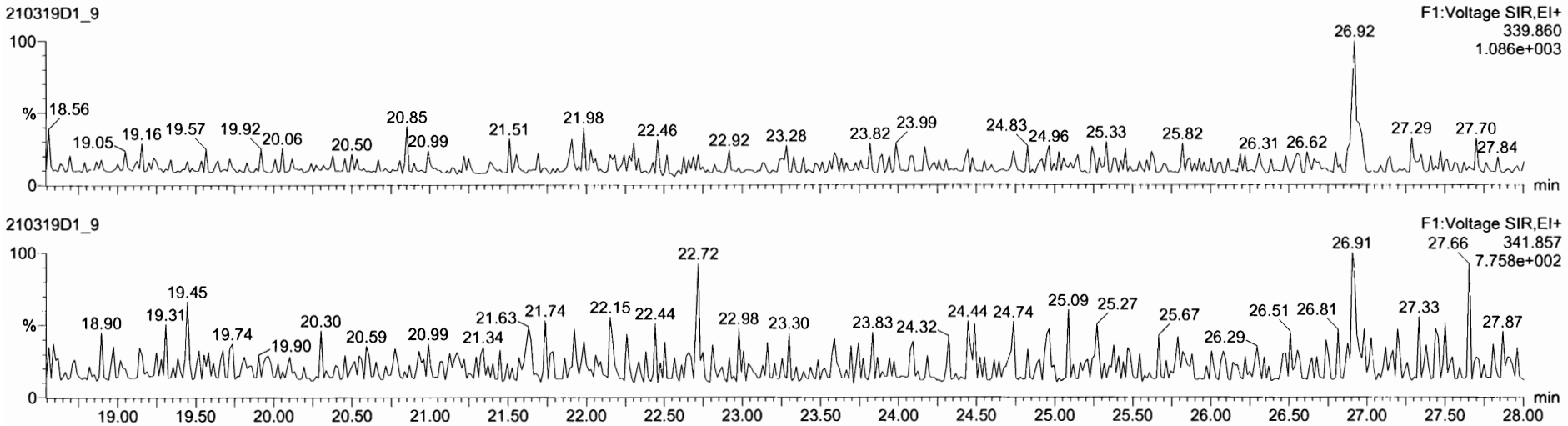

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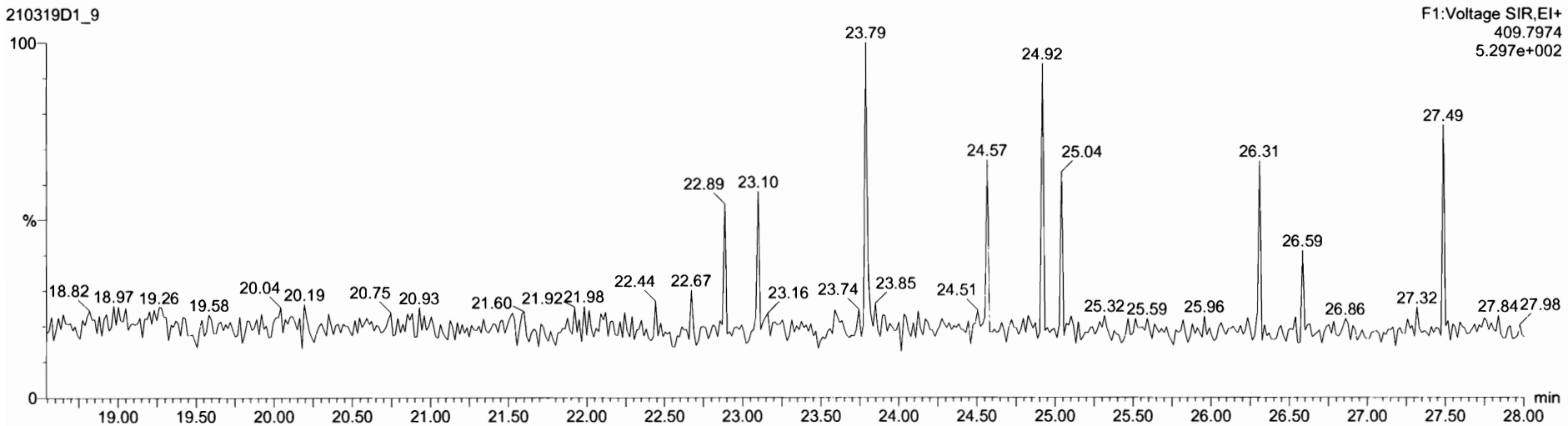

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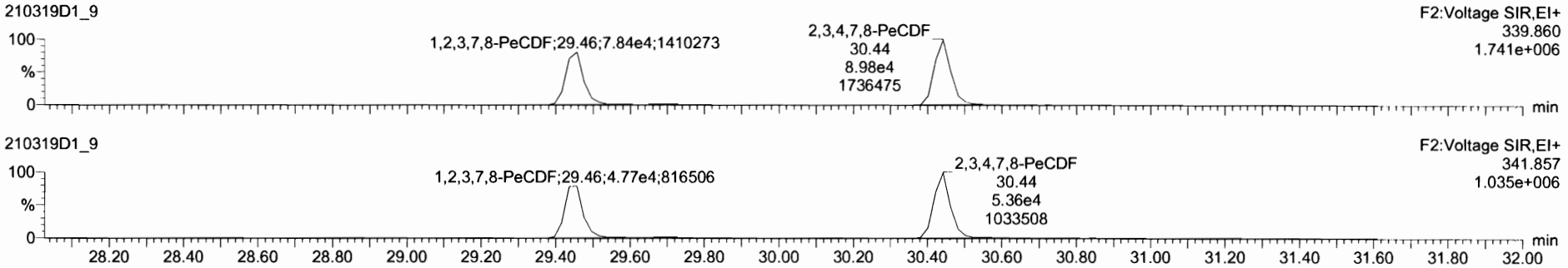
1,2,3,7,8-PeCDF



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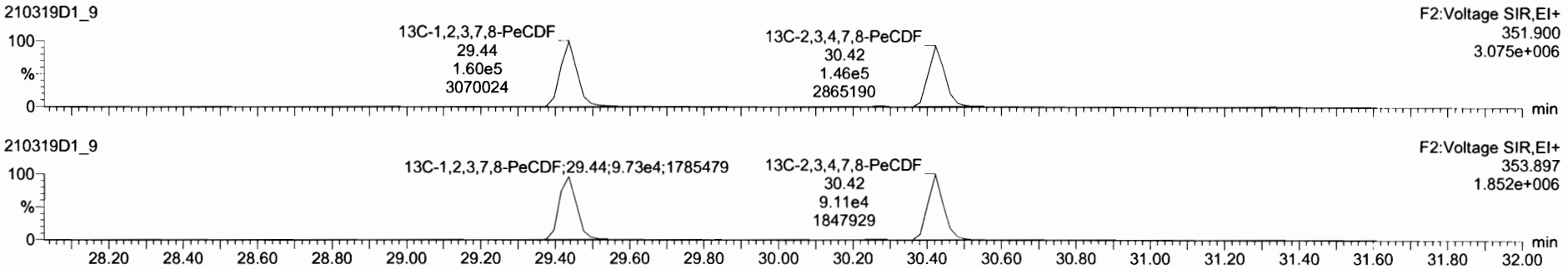

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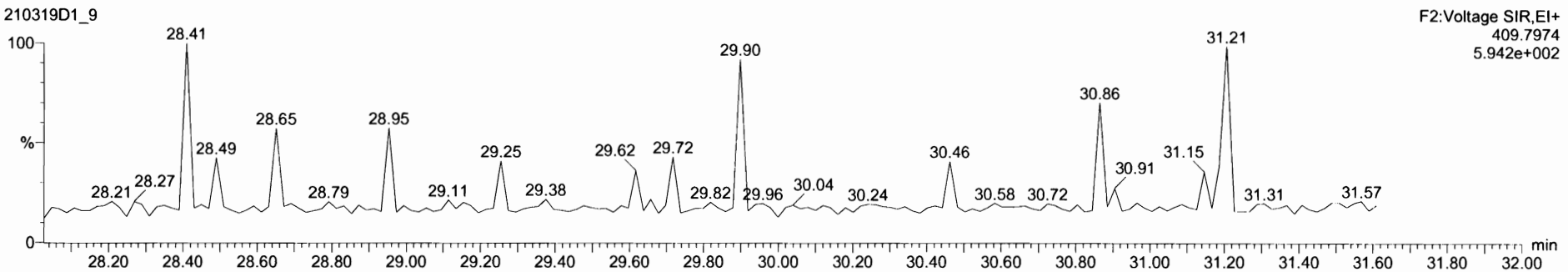

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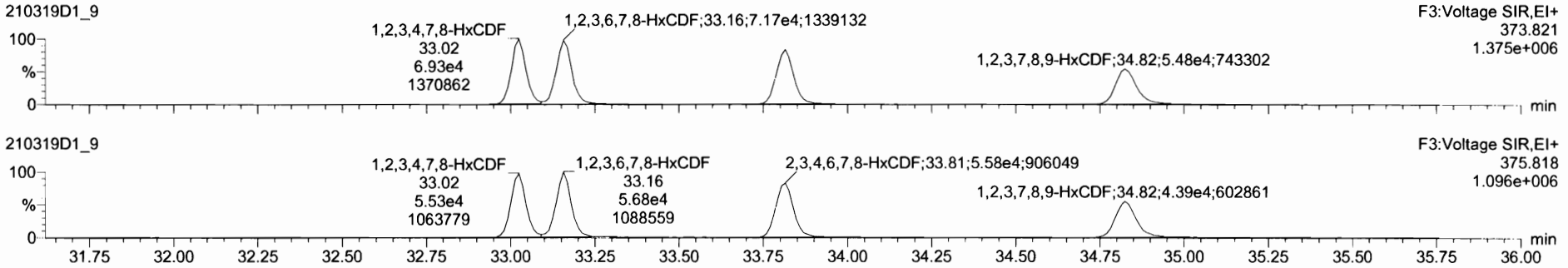
1,2,3,4,7,8-HxCDF



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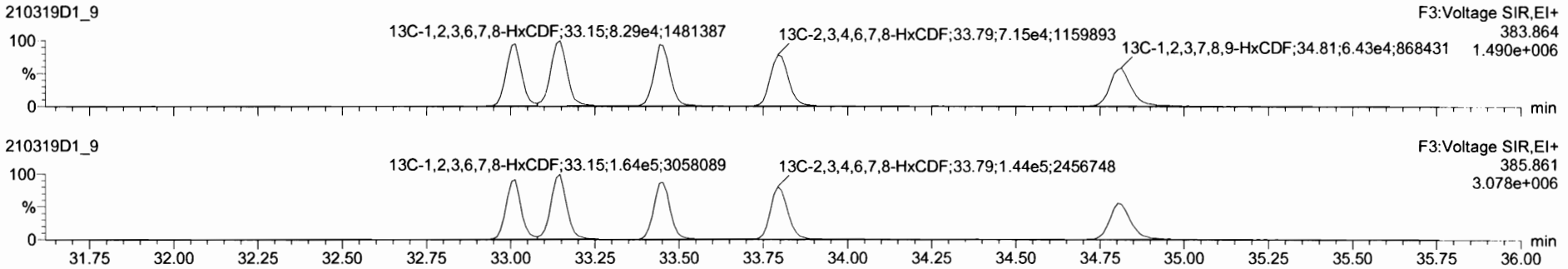

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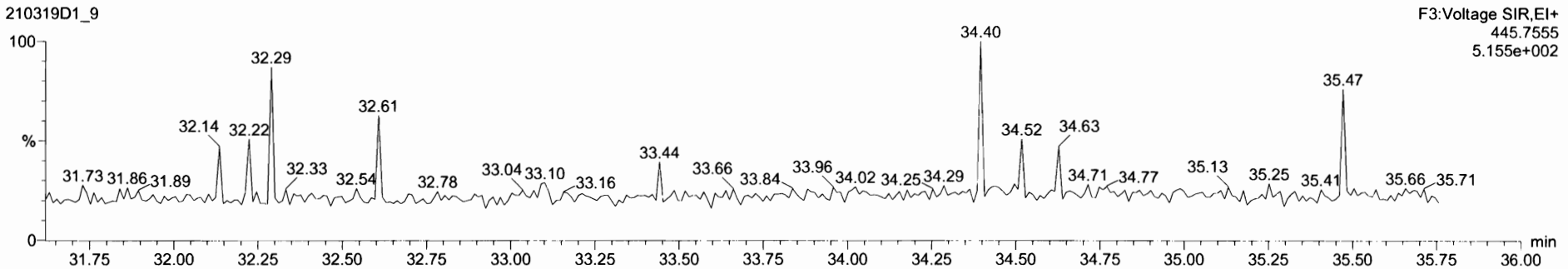

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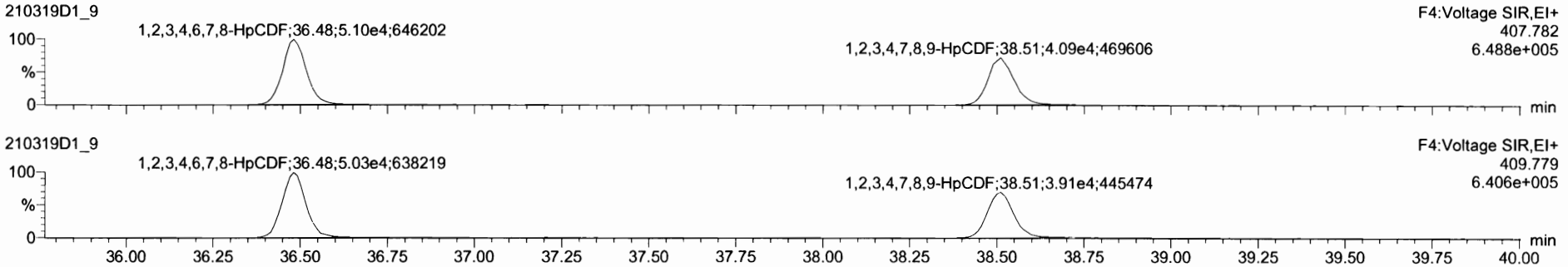
1,2,3,4,6,7,8-HpCDF



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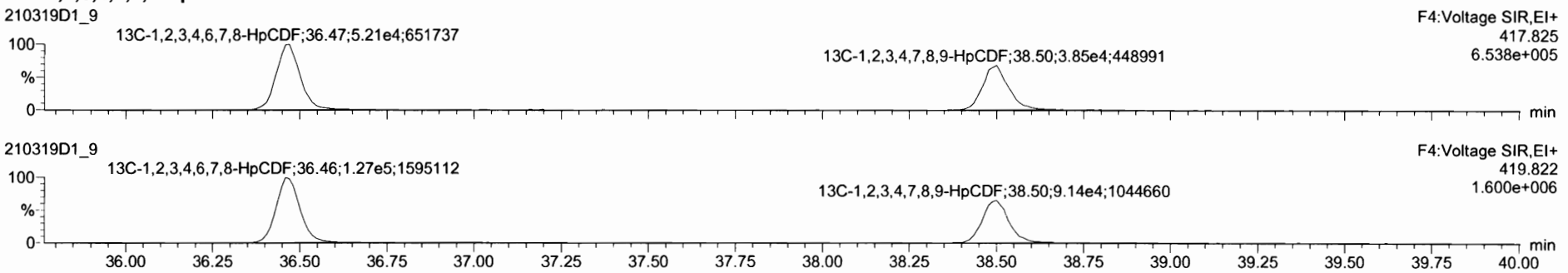

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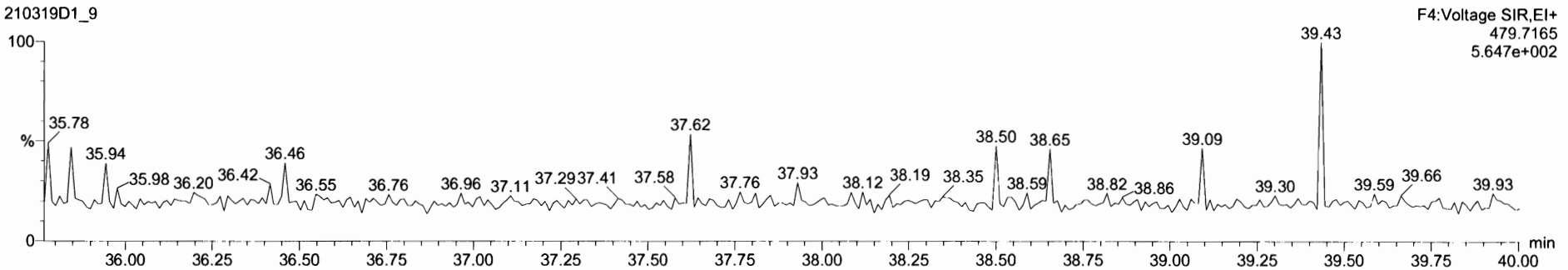

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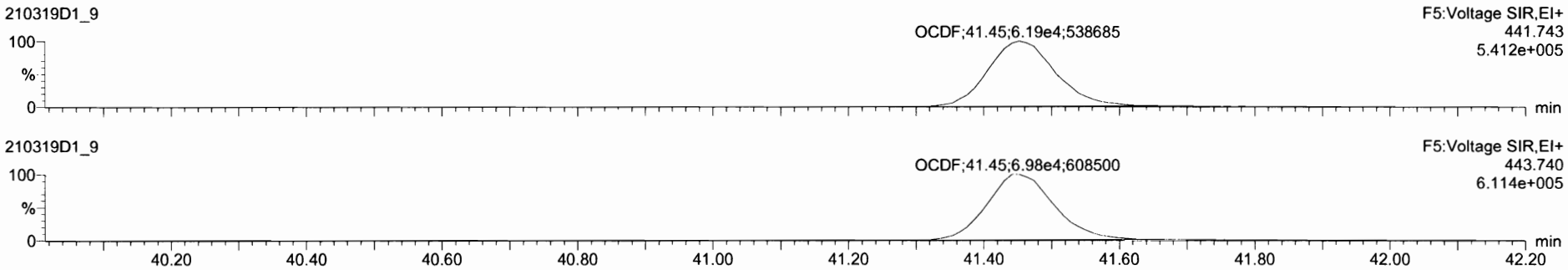
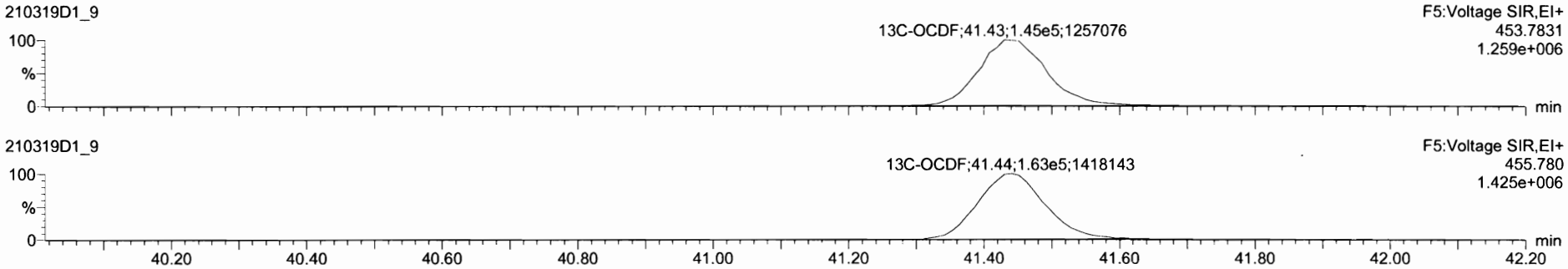
OCDF



13C-OCDF



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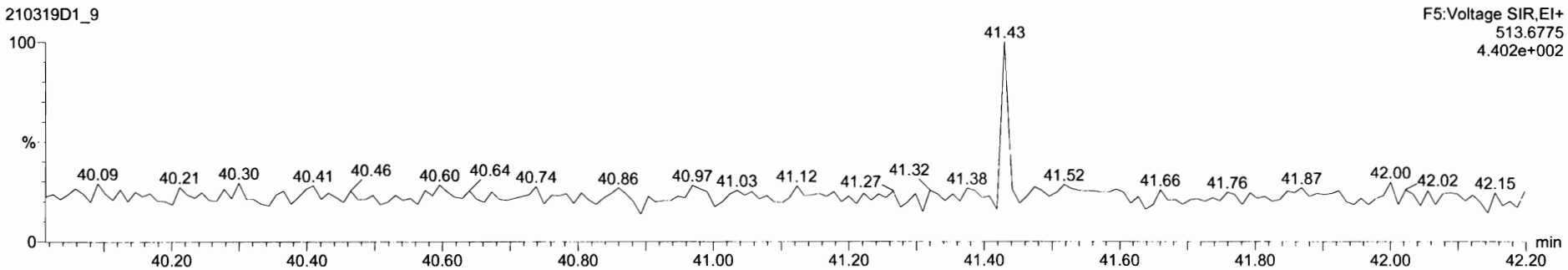

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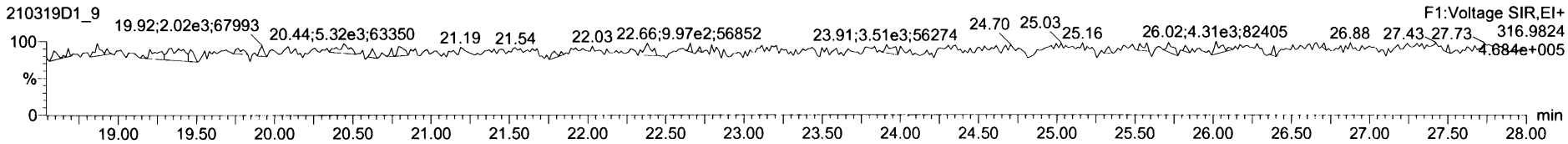
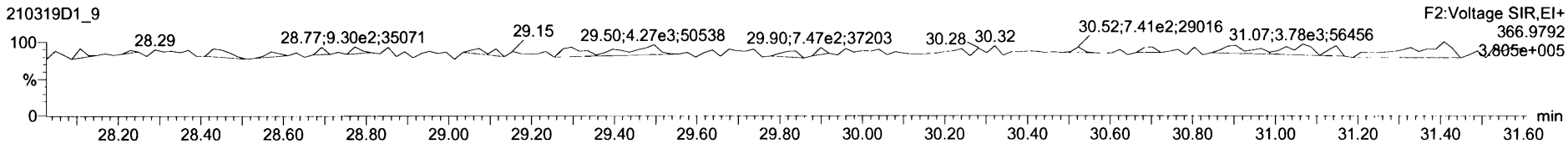
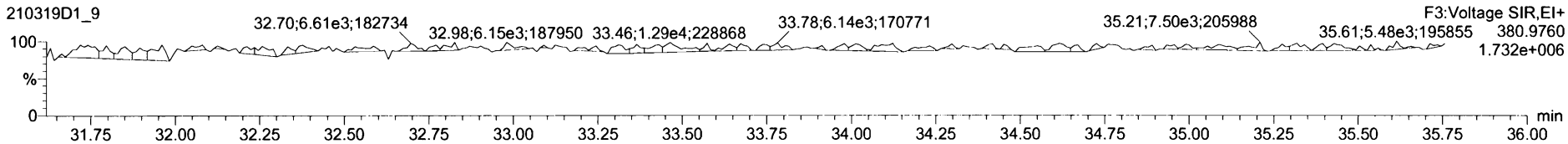
PFK1



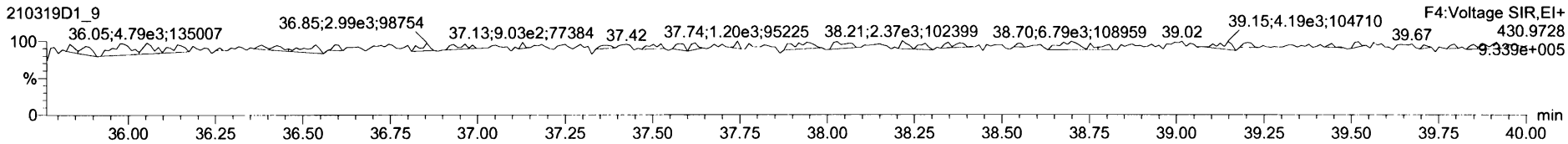
PFK2



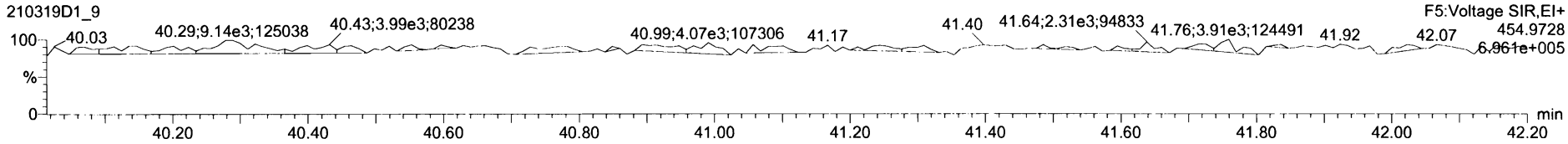
PFK3



PFK4



PFK5



Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

Last Altered: Tuesday, April 13, 2021 11:50:39 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 12:02:04 Pacific Daylight Time

HN 04/13/21
DF 04/13/21

limited,
new high points for:
- Endosulfan I (alpha)
- ~~2,4'~~ 2,4'-DDE
- 4,4'-DDE
- Endosulfan II (Beta)
- 2,4'-DDD ; 4,4'-DDD
- 2,4'-DDT ; 4,4-DDT
- Methoxychlor

@ 250

Detector @ 300

- 2nd Resolution check done manually.

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Compound name: Hexachlorobenzene
Response Factor: 0.98374
RRF SD: 0.0643, Relative SD: 6.53628
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	210412H1_2	2.00	1.34	NO	22.69	1.001	7.72e4	2.24e6	1.75	-12.3	0.862	bb
2	210412H1_3	10.0	1.25	NO	22.69	1.001	7.57e5	3.72e6	10.3	3.5	1.02	bb
3	210412H1_4	100	1.27	NO	22.71	1.001	6.44e6	3.25e6	101	0.6	0.990	bb
4	210412H1_5	250	1.26	NO	22.71	1.001	2.13e7	4.32e6	250	0.1	0.985	bb
5	210412H1_6	1200	1.26	NO	22.71	1.001	1.20e8	5.04e6	1210	1.2	0.996	bb
6	210412H1_7	50.0	1.27	NO	22.71	1.001	2.69e6	2.56e6	53.4	6.9	1.05	bb

Compound name: Alpha-BHC
Response Factor: 0.827177
RRF SD: 0.0463407, Relative SD: 5.60227
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	210412H1_2	2.00	2.13	NO	23.24	1.001	1.91e4	6.46e5	1.79	-10.5	0.740	MM
2	210412H1_3	10.0	2.13	NO	23.24	1.001	1.78e5	1.08e6	9.93	-0.7	0.821	bb
3	210412H1_4	100	2.11	NO	23.26	1.001	1.58e6	9.55e5	100	0.3	0.829	bb
4	210412H1_5	250	2.10	NO	23.26	1.001	5.46e6	1.29e6	256	2.3	0.846	bb
5	210412H1_6	1200	2.09	NO	23.26	1.001	3.25e7	1.59e6	1240	3.2	0.854	db
6	210412H1_7	50.0	2.12	NO	23.26	1.001	6.72e5	7.70e5	52.7	5.5	0.873	bb

Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

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Compound name: Lindane (gamma-BHC)
Response Factor: 0.859755
RRF SD: 0.0193005, Relative SD: 2.24488
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	210412H1_2	2.00	2.17	NO	26.59	1.001	1.68e4	4.94e5	1.98	-1.2	0.849	MM
2	210412H1_3	10.0	2.24	NO	26.60	1.001	1.36e5	7.96e5	9.92	-0.8	0.852	bb
3	210412H1_4	100	2.12	NO	26.60	1.001	1.19e6	7.11e5	97.4	-2.6	0.837	bb
4	210412H1_5	250	2.08	NO	26.60	1.001	4.22e6	9.90e5	248	-0.8	0.853	bb
5	210412H1_6	1200	2.09	NO	26.60	1.001	2.52e7	1.19e6	1230	2.6	0.882	bb
6	210412H1_7	50.0	2.13	NO	26.60	1.001	5.03e5	5.68e5	51.4	2.9	0.885	bb

Compound name: Beta-BHC
Response Factor: 0.997699
RRF SD: 0.0276423, Relative SD: 2.77061
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	210412H1_2	2.00	2.40	NO	28.59	1.001	1.38e4	3.63e5	1.91	-4.5	0.953	MM
2	210412H1_3	10.0	2.09	NO	28.61	1.001	1.17e5	5.79e5	10.2	1.7	1.01	bb
3	210412H1_4	100	2.11	NO	28.61	1.001	1.03e6	5.29e5	97.8	-2.2	0.976	bb
4	210412H1_5	250	2.11	NO	28.61	1.001	3.68e6	7.34e5	251	0.4	1.00	bb
5	210412H1_6	1200	2.11	NO	28.61	1.001	2.25e7	9.14e5	1230	2.7	1.02	bd
6	210412H1_7	50.0	2.12	NO	28.61	1.001	4.24e5	4.18e5	50.9	1.9	1.02	bb

Compound name: Delta-BHC
Response Factor: 0.907324
RRF SD: 0.0726019, Relative SD: 8.00176
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	210412H1_2	2.00	2.10	NO	30.25	1.000	1.27e4	4.13e5	1.69	-15.5	0.767	MM
2	210412H1_3	10.0	2.09	NO	30.27	1.000	1.25e5	6.63e5	10.4	3.7	0.941	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	210412H1_4	100	2.08	NO	30.27	1.001	1.11e6	6.17e5	99.3	-0.7	0.901	bb
4	210412H1_5	250	2.07	NO	30.27	1.001	4.03e6	8.73e5	254	1.7	0.923	bb
5	210412H1_6	1200	2.09	NO	30.28	1.001	2.50e7	1.11e6	1240	3.7	0.941	bb
6	210412H1_7	50.0	2.14	NO	30.27	1.001	4.70e5	4.83e5	53.5	7.1	0.972	bb

Compound name: Heptachlor
Response Factor: 1.0998
RRF SD: 0.0554536, Relative SD: 5.04216
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	210412H1_2	2.00	1.12	NO	28.74	1.002	1.50e4	3.72e5	1.83	-8.5	1.01	bb
2	210412H1_3	10.0	1.29	NO	28.76	1.002	1.28e5	5.97e5	9.78	-2.2	1.08	bd
3	210412H1_4	100	1.29	NO	28.74	1.001	1.19e6	5.45e5	99.7	-0.3	1.10	bb
4	210412H1_5	250	1.29	NO	28.74	1.001	4.33e6	7.78e5	253	1.4	1.11	bb
5	210412H1_6	1200	1.27	NO	28.76	1.001	2.66e7	9.58e5	1260	5.2	1.16	bb
6	210412H1_7	50.0	1.29	NO	28.74	1.001	4.79e5	4.17e5	52.2	4.5	1.15	bb

Compound name: Aldrin
Response Factor: 1.09177
RRF SD: 0.0688342, Relative SD: 6.30483
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	210412H1_2	2.00	1.54	NO	30.83	1.001	1.55e4	3.98e5	1.79	-10.7	0.975	db
2	210412H1_3	10.0	1.65	NO	30.83	1.001	1.38e5	6.49e5	9.73	-2.7	1.06	bb
3	210412H1_4	100	1.58	NO	30.83	1.001	1.24e6	5.63e5	101	1.2	1.11	bb
4	210412H1_5	250	1.58	NO	30.83	1.001	4.32e6	7.89e5	250	0.2	1.09	bb
5	210412H1_6	1200	1.58	NO	30.84	1.001	2.60e7	9.27e5	1290	7.2	1.17	bb
6	210412H1_7	50.0	1.57	NO	30.83	1.001	5.11e5	4.46e5	52.4	4.9	1.15	bb

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Compound name: Oxychlordane
Response Factor: 1.0616
RRF SD: 0.0989139, Relative SD: 9.31748
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	210412H1_2	2.00	1.78	NO	33.37	1.000	3.60e3	1.03e5	1.64	-18.2	0.869	MM
2	210412H1_3	10.0	1.47	NO	33.40	1.001	3.67e4	1.65e5	10.4	4.5	1.11	bb
3	210412H1_4	100	1.58	NO	33.38	1.001	3.14e5	1.49e5	99.0	-1.0	1.05	bb
4	210412H1_5	250	1.59	NO	33.38	1.001	1.12e6	2.05e5	258	3.2	1.10	bb
5	210412H1_6	1200	1.58	NO	33.40	1.001	7.08e6	2.68e5	1250	3.8	1.10	bb
6	210412H1_7	50.0	1.61	NO	33.38	1.001	1.24e5	1.09e5	53.8	7.6	1.14	bb

Compound name: cis-Heptachlor Epoxide
Response Factor: 1.07548
RRF SD: 0.100746, Relative SD: 9.36755
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	210412H1_2	2.00	1.27	NO	34.16	1.000	4.39e3	1.25e5	1.63	-18.5	0.877	bb
2	210412H1_3	10.0	1.50	NO	34.17	1.001	4.40e4	2.03e5	10.1	0.9	1.09	bb
3	210412H1_4	100	1.58	NO	34.17	1.001	3.96e5	1.79e5	103	3.1	1.11	bb
4	210412H1_5	250	1.56	NO	34.17	1.001	1.41e6	2.58e5	254	1.5	1.09	bb
5	210412H1_6	1200	1.58	NO	34.17	1.000	8.80e6	3.17e5	1290	7.4	1.16	bb
6	210412H1_7	50.0	1.52	NO	34.17	1.001	1.55e5	1.37e5	52.8	5.5	1.14	bb

Compound name: trans-Heptachlor Epoxide
Response Factor: 0.290681
RRF SD: 0.0109251, Relative SD: 3.75845
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	210412H1_2	2.00	1.66	NO	34.65	1.015	1.36e3	1.25e5	1.87	-6.3	0.272	MM
2	210412H1_3	10.0	1.53	NO	34.65	1.015	1.22e4	2.03e5	10.3	3.2	0.300	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	210412H1_4	100	1.64	NO	34.65	1.015	1.02e5	1.79e5	98.7	-1.3	0.287	bb
4	210412H1_5	250	1.58	NO	34.65	1.015	3.74e5	2.58e5	250	-0.1	0.290	bb
5	210412H1_6	1200	1.59	NO	34.67	1.015	2.31e6	3.17e5	1250	4.4	0.304	bb
6	210412H1_7	50.0	1.75	NO	34.65	1.015	3.98e4	1.37e5	50.1	0.1	0.291	bb

Compound name: trans-Chlordane (gamma)
Response Factor: 1.13624
RRF SD: 0.0736643, Relative SD: 6.48314
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	210412H1_2	2.00	1.63	NO	35.06	1.001	3.55e3	8.62e4	1.81	-9.5	1.03	bb
2	210412H1_3	10.0	1.76	NO	35.06	1.000	3.43e4	1.42e5	10.6	6.0	1.20	bd
3	210412H1_4	100	1.55	NO	35.06	1.000	3.02e5	1.30e5	102	2.3	1.16	bd
4	210412H1_5	250	1.55	NO	35.06	1.000	1.08e6	1.89e5	252	0.6	1.14	bd
5	210412H1_6	1200	1.58	NO	35.08	1.001	6.43e6	2.51e5	1130	-6.0	1.07	bd
6	210412H1_7	50.0	1.60	NO	35.06	1.001	1.17e5	9.68e4	53.2	6.5	1.21	bd

Compound name: trans-Nonachlor
Response Factor: 1.05879
RRF SD: 0.0547281, Relative SD: 5.16894
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	210412H1_2	2.00	1.83	NO	35.25	1.001	3.74e3	9.87e4	1.79	-10.4	0.949	MM
2	210412H1_3	10.0	1.73	NO	35.25	1.000	3.59e4	1.67e5	10.1	1.2	1.07	db
3	210412H1_4	100	1.58	NO	35.25	1.001	3.12e5	1.46e5	101	1.1	1.07	db
4	210412H1_5	250	1.56	NO	35.25	1.001	1.12e6	2.08e5	255	1.9	1.08	db
5	210412H1_6	1200	1.58	NO	35.26	1.001	6.80e6	2.59e5	1240	3.2	1.09	db
6	210412H1_7	50.0	1.60	NO	35.25	1.001	1.17e5	1.07e5	51.5	2.9	1.09	db

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Compound name: cis-Chlordane
Response Factor: 1.16456
RRF SD: 0.0923907, Relative SD: 7.93353
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	210412H1_2	2.00	1.93	NO	35.73	1.015	3.87e3	9.87e4	1.68	-15.9	0.979	bd
2	210412H1_3	10.0	1.63	NO	35.73	1.014	4.05e4	1.67e5	10.4	3.9	1.21	bd
3	210412H1_4	100	1.60	NO	35.73	1.015	3.46e5	1.46e5	102	1.8	1.19	bd
4	210412H1_5	250	1.57	NO	35.73	1.015	1.24e6	2.08e5	256	2.4	1.19	bd
5	210412H1_6	1200	1.58	NO	35.75	1.015	7.41e6	2.59e5	1230	2.1	1.19	bd
6	210412H1_7	50.0	1.62	NO	35.73	1.015	1.32e5	1.07e5	52.8	5.7	1.23	bd

Compound name: Endosulfan I (alpha)
Response Factor: 1.22932
RRF SD: 0.13527, Relative SD: 11.0037
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	210412H1_2	10.0	1.69	NO	35.83	1.000	1.82e4	6.71e4	11.1	10.7	1.36	MM
2	210412H1_3	15.0	1.50	NO	35.85	1.001	4.34e4	1.08e5	16.4	9.0	1.34	db
3	210412H1_4	100	1.60	NO	35.83	1.000	2.30e5	1.01e5	92.6	-7.4	1.14	db
4	210412H1_5	250	1.61	NO	35.83	1.000	8.07e5	1.55e5	212	-15.0	1.04	db
5	210412H1_6	1200	1.58	NO	35.85	1.000	5.02e6	2.42e5	845	-29.6	0.865	dbX
6	210412H1_7	50.0	1.52	NO	35.83	1.000	9.25e4	7.32e4	51.4	2.8	1.26	db

Compound name: 2,4'-DDE
Response Factor: 1.02459
RRF SD: 0.0335613, Relative SD: 3.27558
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	210412H1_2	2.00	1.34	NO	35.70	1.000	9.21e4	2.32e6	1.93	-3.3	0.991	dd
2	210412H1_3	10.0	1.53	NO	35.70	1.000	8.22e5	3.88e6	10.3	3.5	1.06	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	210412H1_4	100	1.52	NO	35.70	1.000	6.69e6	3.33e6	98.1	-1.9	1.00	bb
4	210412H1_5	250	1.52	NO	35.70	1.000	2.32e7	4.62e6	245	-1.9	1.01	bb
5	210412H1_6	1200	1.21	NO	35.70	1.000	1.14e8	5.56e6	1000	-16.4	0.857	bbX
6	210412H1_7	50.0	1.50	NO	35.70	1.000	2.63e6	2.47e6	51.8	3.6	1.06	bb

Compound name: 4,4'-DDE
Response Factor: 1.03778
RRF SD: 0.0558903, Relative SD: 5.38555
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	210412H1_2	2.00	1.50	NO	36.77	1.000	6.29e4	1.65e6	1.83	-8.4	0.951	MM
2	210412H1_3	10.0	1.51	NO	36.77	1.000	5.83e5	2.70e6	10.4	3.9	1.08	bd
3	210412H1_4	100	1.52	NO	36.77	1.000	4.80e6	2.33e6	99.1	-0.9	1.03	bb
4	210412H1_5	250	1.52	NO	36.77	1.000	1.65e7	3.18e6	250	-0.1	1.04	bb
5	210412H1_6	1200	1.30	NO	36.78	1.001	9.14e7	3.92e6	1120	-6.5	0.970	bbX
6	210412H1_7	50.0	1.54	NO	36.77	1.001	1.82e6	1.66e6	52.7	5.5	1.09	bb

Compound name: Dieldrin
Response Factor: 1.02956
RRF SD: 0.0872437, Relative SD: 8.47387
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	210412H1_2	2.00	1.60	NO	37.29	1.001	8.53e3	2.45e5	1.69	-15.6	0.869	MM
2	210412H1_3	10.0	1.67	NO	37.29	1.001	8.22e4	4.04e5	9.90	-1.0	1.02	bb
3	210412H1_4	100	1.56	NO	37.28	1.000	6.98e5	3.37e5	101	0.7	1.04	bb
4	210412H1_5	250	1.56	NO	37.28	1.000	2.43e6	4.66e5	254	1.5	1.05	bd
5	210412H1_6	1200	1.54	NO	37.29	1.001	1.40e7	5.40e5	1260	5.2	1.08	bb
6	210412H1_7	50.0	1.61	NO	37.28	1.000	2.74e5	2.43e5	54.6	9.2	1.12	bd

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Compound name: Endrin
Response Factor: 1.00779
RRF SD: 0.0677766, Relative SD: 6.72524
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	210412H1_2	2.00	1.49	NO	38.67	1.000	6.97e3	1.97e5	1.76	-12.2	0.885	MM
2	210412H1_3	10.0	1.67	NO	38.69	1.001	6.97e4	3.42e5	10.1	1.3	1.02	bb
3	210412H1_4	100	1.61	NO	38.67	1.000	5.08e5	2.50e5	101	0.6	1.01	bb
4	210412H1_5	250	1.58	NO	38.67	1.000	1.75e6	3.51e5	248	-0.9	0.998	bb
5	210412H1_6	1200	1.57	NO	38.69	1.001	1.07e7	4.27e5	1240	3.2	1.04	bb
6	210412H1_7	50.0	1.59	NO	38.67	1.000	1.59e5	1.46e5	54.0	8.0	1.09	bb

Compound name: cis-Nonachlor
Response Factor: 1.00043
RRF SD: 0.0943678, Relative SD: 9.4327
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	210412H1_2	2.00	1.24	NO	38.96	1.000	4.24e3	1.30e5	1.63	-18.4	0.816	MM
2	210412H1_3	10.0	1.63	NO	38.96	1.000	4.40e4	2.18e5	10.1	1.0	1.01	bb
3	210412H1_4	100	1.59	NO	38.96	1.000	3.69e5	1.80e5	103	2.5	1.03	bb
4	210412H1_5	250	1.54	NO	38.96	1.000	1.29e6	2.45e5	264	5.5	1.06	bb
5	210412H1_6	1200	1.57	NO	38.97	1.001	7.89e6	3.24e5	1210	1.2	1.01	db
6	210412H1_7	50.0	1.58	NO	38.96	1.000	1.36e5	1.25e5	54.1	8.2	1.08	db

Compound name: Endosulfan II (beta)
Response Factor: 1.07037
RRF SD: 0.147377, Relative SD: 13.7688
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	210412H1_2	10.0	1.33	NO	39.69	1.000	9.97e3	3.91e4	11.9	18.9	1.27	bb
2	210412H1_3	15.0	1.75	NO	39.69	1.000	2.53e4	7.22e4	16.4	9.2	1.17	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	210412H1_4	100	1.61	NO	39.69	1.000	1.23e5	6.36e4	90.6	-9.4	0.970	bb
4	210412H1_5	250	1.59	NO	39.69	1.000	4.20e5	9.18e4	214	-14.4	0.916	bb
5	210412H1_6	1200	1.55	NO	39.70	1.000	2.64e6	1.85e5	667	-44.4	0.595	bbX
6	210412H1_7	50.0	1.67	NO	39.69	1.000	4.73e4	4.62e4	47.8	-4.3	1.02	bb

Compound name: 2,4'-DDD
Response Factor: 1.06618
RRF SD: 0.0507498, Relative SD: 4.75998
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	210412H1_2	2.00	1.42	NO	37.90	1.000	8.71e4	2.18e6	1.88	-6.1	1.00	MM
2	210412H1_3	10.0	1.58	NO	37.90	1.000	8.12e5	3.66e6	10.4	4.0	1.11	bb
3	210412H1_4	100	1.58	NO	37.90	1.000	6.68e6	3.17e6	98.8	-1.2	1.05	bb
4	210412H1_5	250	1.58	NO	37.90	1.000	2.26e7	4.33e6	244	-2.2	1.04	bb
5	210412H1_6	1200	1.21	NO	37.90	1.000	1.10e8	5.58e6	925	-22.9	0.822	bbX
6	210412H1_7	50.0	1.58	NO	37.90	1.000	2.64e6	2.35e6	52.8	5.6	1.13	bb

Compound name: 2,4'-DDT
Response Factor: 1.04671
RRF SD: 0.054406, Relative SD: 5.19781
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	210412H1_2	2.00	1.36	NO	39.02	1.000	6.14e4	1.57e6	1.87	-6.6	0.978	MM
2	210412H1_3	10.0	1.56	NO	39.03	1.000	5.90e5	2.67e6	10.5	5.4	1.10	bd
3	210412H1_4	100	1.57	NO	39.02	1.000	4.66e6	2.26e6	98.6	-1.4	1.03	bd
4	210412H1_5	250	1.57	NO	39.02	1.000	1.57e7	3.08e6	244	-2.5	1.02	bd
5	210412H1_6	1200	1.35	NO	39.03	1.000	9.35e7	4.01e6	1110	-7.2	0.971	bdX
6	210412H1_7	50.0	1.59	NO	39.02	1.000	1.76e6	1.60e6	52.6	5.2	1.10	bd

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Compound name: 4,4'-DDD
Response Factor: 1.1629
RRF SD: 0.0445739, Relative SD: 3.833
Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRF	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	2.00	1.42	NO	39.15	1.000	8.16e4	1.84e6	1.91	-4.6	1.11	MM
2	210412H1_3	10.0	1.57	NO	39.15	1.000	7.40e5	3.11e6	10.2	2.4	1.19	db
3	210412H1_4	100	1.58	NO	39.15	1.000	6.08e6	2.64e6	99.1	-0.9	1.15	db
4	210412H1_5	250	1.59	NO	39.15	1.000	2.05e7	3.60e6	245	-2.1	1.14	db
5	210412H1_6	1200	1.19	NO	39.15	1.000	1.04e8	4.82e6	927	-22.7	0.899	dbX
6	210412H1_7	50.0	1.59	NO	39.15	1.000	2.29e6	1.87e6	52.6	5.2	1.22	db

Compound name: 4,4'-DDT
Response Factor: 1.13245
RRF SD: 0.072692, Relative SD: 6.41899
Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRF	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	2.00	1.36	NO	40.20	1.000	5.06e4	1.24e6	1.80	-10.1	1.02	MM
2	210412H1_3	10.0	1.59	NO	40.22	1.000	5.00e5	2.12e6	10.4	4.0	1.18	bd
3	210412H1_4	100	1.58	NO	40.20	1.000	3.91e6	1.73e6	99.9	-0.1	1.13	bb
4	210412H1_5	250	1.57	NO	40.20	1.000	1.30e7	2.30e6	249	-0.6	1.13	db
5	210412H1_6	1200	1.43	NO	40.22	1.000	8.13e7	3.07e6	1170	-2.6	1.10	dbX
6	210412H1_7	50.0	1.58	NO	40.20	1.000	1.39e6	1.15e6	53.4	6.7	1.21	bb

Compound name: Endosulfan Sulfate
Response Factor: 1.03659
RRF SD: 0.0214055, Relative SD: 2.065
Response type: Internal Std (Ref 56), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRF	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	10.0	1.69	NO	41.41	1.001	1.21e4	5.82e4	10.0	0.5	1.04	bb
2	210412H1_3	15.0	1.45	NO	41.41	1.000	3.25e4	1.02e5	15.4	2.3	1.06	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	210412H1_4	100	1.63	NO	41.40	1.000	1.64e5	7.77e4	102	1.9	1.06	bb
4	210412H1_5	250	1.58	NO	41.40	1.000	5.51e5	1.07e5	249	-0.2	1.03	db
5	210412H1_6	1200	1.55	NO	41.41	1.000	3.34e6	1.36e5	1190	-1.2	1.02	db
6	210412H1_7	50.0	1.63	NO	41.40	1.000	5.29e4	5.27e4	48.4	-3.3	1.00	bb

Compound name: 4,4'-Methoxychlor
Response Factor: 1.2205
RRF SD: 0.0524226, Relative SD: 4.29517
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	210412H1_2	10.0	6.29	NO	43.25	1.000	3.22e5	1.40e7	9.43	-5.7	1.15	bb
2	210412H1_3	15.0	5.85	NO	43.25	1.000	8.76e5	2.34e7	15.3	2.0	1.25	bb
3	210412H1_4	100	5.92	NO	43.25	1.000	3.92e6	1.63e7	98.6	-1.4	1.20	bb
4	210412H1_5	250	5.85	NO	43.25	1.000	1.26e7	2.08e7	248	-0.8	1.21	bb
5	210412H1_6	1200	4.38	NO	43.25	1.000	6.71e7	2.88e7	954	-20.5	0.970	dbX
6	210412H1_7	50.0	5.96	NO	43.25	1.000	1.19e6	9.21e6	52.9	5.9	1.29	bb

Compound name: Mirex
Response Factor: 1.03352
RRF SD: 0.0750862, Relative SD: 7.2651
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	210412H1_2	2.00	1.43	NO	43.87	1.000	2.40e4	6.76e5	1.72	-14.0	0.888	bb
2	210412H1_3	10.0	1.55	NO	43.87	1.000	2.32e5	1.09e6	10.3	2.9	1.06	bb
3	210412H1_4	100	1.58	NO	43.87	1.000	1.53e6	7.39e5	100	0.0	1.03	bd
4	210412H1_5	250	1.57	NO	43.87	1.000	4.71e6	9.08e5	251	0.5	1.04	dd
5	210412H1_6	1200	1.56	NO	43.88	1.001	3.05e7	1.18e6	1250	4.5	1.08	dd
6	210412H1_7	50.0	1.58	NO	43.87	1.000	4.43e5	4.04e5	53.1	6.2	1.10	bb

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Compound name: Endrin Aldehyde
Response Factor: 1.02826
RRF SD: 0.106919, Relative SD: 10.398
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	210412H1_2	10.0	0.63	NO	40.81	1.001	9.57e3	5.79e5	8.03	-19.7	0.826	MM
2	210412H1_3	15.0	0.57	NO	40.81	1.000	2.60e4	8.44e5	15.0	-0.3	1.03	MM
3	210412H1_4	100	0.62	NO	40.81	1.001	1.65e5	7.28e5	110	10.3	1.13	MM
4	210412H1_5	250	0.61	NO	40.81	1.001	5.13e5	9.98e5	250	-0.0	1.03	MM
5	210412H1_6	1200	0.63	NO	40.81	1.000	3.70e6	1.44e6	1250	4.3	1.07	MM
6	210412H1_7	50.0	0.61	NO	40.81	1.001	6.19e4	5.72e5	52.7	5.4	1.08	MM

Compound name: Endrin Ketone
Response Factor: 0.926307
RRF SD: 0.0422244, Relative SD: 4.55836
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	210412H1_2	10.0	0.79	NO	43.99	1.000	1.25e4	7.32e5	9.21	-7.9	0.853	MM
2	210412H1_3	15.0	0.62	NO	44.01	1.001	3.36e4	1.23e6	14.7	-1.7	0.910	db
3	210412H1_4	100	0.61	NO	43.99	1.000	1.68e5	9.08e5	99.9	-0.1	0.925	db
4	210412H1_5	250	0.61	NO	43.99	1.000	5.35e5	1.14e6	253	1.2	0.937	db
5	210412H1_6	1200	0.63	NO	44.01	1.001	3.52e6	1.51e6	1260	4.8	0.970	db
6	210412H1_7	50.0	0.61	NO	43.99	1.000	5.49e4	5.71e5	51.9	3.8	0.961	db

Compound name: 13C6-Hexachlorobenzene
Response Factor: 0.8665
RRF SD: 0.0119493, Relative SD: 1.37903
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	210412H1_2	50.0	1.26	NO	22.67	0.870	2.24e6	2.55e6	50.6	1.3	0.878	bb
2	210412H1_3	50.0	1.27	NO	22.68	0.871	3.72e6	4.27e6	50.3	0.5	0.871	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	210412H1_4	50.0	1.28	NO	22.69	0.870	3.25e6	3.79e6	49.6	-0.9	0.859	bb
4	210412H1_5	50.0	1.27	NO	22.69	0.870	4.32e6	5.10e6	48.9	-2.2	0.847	bb
5	210412H1_6	50.0	1.28	NO	22.69	0.870	5.04e6	5.74e6	50.7	1.3	0.878	bb
6	210412H1_7	50.0	1.29	NO	22.69	0.871	2.56e6	2.95e6	50.0	0.0	0.867	bb

Compound name: 13C6-Alpha-BHC
Response Factor: 0.258247
RRF SD: 0.00937557, Relative SD: 3.63047
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	210412H1_2	50.0	0.80	NO	23.21	0.891	6.46e5	2.55e6	49.1	-1.8	0.253	bb
2	210412H1_3	50.0	0.79	NO	23.23	0.891	1.08e6	4.27e6	49.2	-1.6	0.254	bb
3	210412H1_4	50.0	0.79	NO	23.23	0.891	9.55e5	3.79e6	48.8	-2.5	0.252	bb
4	210412H1_5	50.0	0.79	NO	23.23	0.891	1.29e6	5.10e6	49.0	-2.1	0.253	bb
5	210412H1_6	50.0	0.79	NO	23.23	0.891	1.59e6	5.74e6	53.5	7.0	0.276	bb
6	210412H1_7	50.0	0.78	NO	23.23	0.891	7.70e5	2.95e6	50.5	1.1	0.261	bb

Compound name: 13C6-Lindane (gamma)
Response Factor: 0.193689
RRF SD: 0.00758953, Relative SD: 3.9184
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	210412H1_2	50.0	0.78	NO	26.55	1.019	4.94e5	2.55e6	50.0	0.0	0.194	bb
2	210412H1_3	50.0	0.79	NO	26.57	1.020	7.96e5	4.27e6	48.1	-3.8	0.186	bb
3	210412H1_4	50.0	0.79	NO	26.57	1.019	7.11e5	3.79e6	48.4	-3.1	0.188	bb
4	210412H1_5	50.0	0.79	NO	26.57	1.019	9.90e5	5.10e6	50.1	0.3	0.194	bb
5	210412H1_6	50.0	0.79	NO	26.59	1.020	1.19e6	5.74e6	53.6	7.2	0.208	bb
6	210412H1_7	50.0	0.80	NO	26.57	1.020	5.68e5	2.95e6	49.7	-0.6	0.193	bb

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Compound name: 13C6-Beta-BHC
Response Factor: 0.143718
RRF SD: 0.00814648, Relative SD: 5.66837
Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRF	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	50.0	0.79	NO	28.58	1.097	3.63e5	2.55e6	49.6	-0.9	0.142	bb
2	210412H1_3	50.0	0.79	NO	28.58	1.097	5.79e5	4.27e6	47.1	-5.7	0.136	bb
3	210412H1_4	50.0	0.80	NO	28.59	1.097	5.29e5	3.79e6	48.5	-2.9	0.140	bb
4	210412H1_5	50.0	0.79	NO	28.59	1.097	7.34e5	5.10e6	50.1	0.2	0.144	bd
5	210412H1_6	50.0	0.79	NO	28.59	1.097	9.14e5	5.74e6	55.4	10.8	0.159	dd
6	210412H1_7	50.0	0.79	NO	28.58	1.097	4.18e5	2.95e6	49.2	-1.5	0.142	bb

Compound name: 13C6-Delta-BHC
Response Factor: 0.167939
RRF SD: 0.0131784, Relative SD: 7.84712
Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRF	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	50.0	0.79	NO	30.24	1.160	4.13e5	2.55e6	48.2	-3.6	0.162	bd
2	210412H1_3	50.0	0.80	NO	30.25	1.161	6.63e5	4.27e6	46.2	-7.6	0.155	bb
3	210412H1_4	50.0	0.80	NO	30.25	1.160	6.17e5	3.79e6	48.4	-3.1	0.163	bb
4	210412H1_5	50.0	0.78	NO	30.25	1.160	8.73e5	5.10e6	51.0	2.0	0.171	bb
5	210412H1_6	50.0	0.80	NO	30.25	1.160	1.11e6	5.74e6	57.4	14.8	0.193	bd
6	210412H1_7	50.0	0.80	NO	30.25	1.161	4.83e5	2.95e6	48.8	-2.4	0.164	bb

Compound name: 13C10-Heptachlor
Response Factor: 0.148331
RRF SD: 0.0101227, Relative SD: 6.8244
Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRF	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	50.0	1.26	NO	28.69	1.101	3.72e5	2.55e6	49.2	-1.5	0.146	bb
2	210412H1_3	50.0	1.32	NO	28.71	1.102	5.97e5	4.27e6	47.1	-5.8	0.140	bd

Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

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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	210412H1_4	50.0	1.30	NO	28.71	1.101	5.45e5	3.79e6	48.4	-3.1	0.144	bb
4	210412H1_5	50.0	1.30	NO	28.71	1.101	7.78e5	5.10e6	51.4	2.8	0.153	bd
5	210412H1_6	50.0	1.28	NO	28.72	1.102	9.58e5	5.74e6	56.2	12.5	0.167	bb
6	210412H1_7	50.0	1.29	NO	28.71	1.102	4.17e5	2.95e6	47.6	-4.8	0.141	bb

Compound name: 13C12-Aldrin
Response Factor: 0.154064
RRF SD: 0.00456286, Relative SD: 2.96166
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	210412H1_2	50.0	1.59	NO	30.79	1.181	3.98e5	2.55e6	50.7	1.4	0.156	bb
2	210412H1_3	50.0	1.58	NO	30.80	1.182	6.49e5	4.27e6	49.3	-1.4	0.152	bb
3	210412H1_4	50.0	1.53	NO	30.80	1.181	5.63e5	3.79e6	48.2	-3.5	0.149	bb
4	210412H1_5	50.0	1.57	NO	30.80	1.181	7.89e5	5.10e6	50.3	0.5	0.155	bb
5	210412H1_6	50.0	1.57	NO	30.80	1.181	9.27e5	5.74e6	52.4	4.9	0.162	bb
6	210412H1_7	50.0	1.53	NO	30.80	1.182	4.46e5	2.95e6	49.0	-1.9	0.151	bb

Compound name: 13C10-Oxychlordane
Response Factor: 0.0404203
RRF SD: 0.00333032, Relative SD: 8.23923
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	210412H1_2	50.0	1.51	NO	33.35	1.280	1.03e5	2.55e6	50.2	0.4	0.0406	MM
2	210412H1_3	50.0	1.60	NO	33.37	1.281	1.65e5	4.27e6	47.9	-4.2	0.0387	bb
3	210412H1_4	50.0	1.59	NO	33.35	1.279	1.49e5	3.79e6	48.7	-2.6	0.0394	bb
4	210412H1_5	50.0	1.56	NO	33.35	1.279	2.05e5	5.10e6	49.8	-0.3	0.0403	bb
5	210412H1_6	50.0	1.65	NO	33.37	1.280	2.68e5	5.74e6	57.7	15.4	0.0467	bb
6	210412H1_7	50.0	1.61	NO	33.35	1.280	1.09e5	2.95e6	45.7	-8.7	0.0369	bb

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Compound name: 13C10-cis-Heptachlor Epoxide
Response Factor: 0.0493127
RRF SD: 0.00328402, Relative SD: 6.65959
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	210412H1_2	50.0	1.59	NO	34.14	1.310	1.25e5	2.55e6	49.8	-0.5	0.0491	bb
2	210412H1_3	50.0	1.57	NO	34.14	1.310	2.03e5	4.27e6	48.1	-3.8	0.0475	bb
3	210412H1_4	50.0	1.63	NO	34.14	1.309	1.79e5	3.79e6	47.8	-4.5	0.0471	bb
4	210412H1_5	50.0	1.53	NO	34.14	1.309	2.58e5	5.10e6	51.2	2.5	0.0505	bb
5	210412H1_6	50.0	1.66	NO	34.16	1.310	3.17e5	5.74e6	56.0	12.1	0.0553	bb
6	210412H1_7	50.0	1.57	NO	34.14	1.310	1.37e5	2.95e6	47.0	-5.9	0.0464	bb

Compound name: 13C10-trans-Chlordane (gamma)
Response Factor: 0.0358233
RRF SD: 0.00411878, Relative SD: 11.4975
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	210412H1_2	50.0	1.48	NO	35.03	1.344	8.62e4	2.55e6	47.2	-5.6	0.0338	bb
2	210412H1_3	50.0	1.53	NO	35.05	1.345	1.42e5	4.27e6	46.5	-6.9	0.0333	bb
3	210412H1_4	50.0	1.56	NO	35.05	1.344	1.30e5	3.79e6	47.8	-4.3	0.0343	bb
4	210412H1_5	50.0	1.70	NO	35.05	1.344	1.89e5	5.10e6	51.6	3.3	0.0370	bd
5	210412H1_6	50.0	1.86	NO	35.05	1.344	2.51e5	5.74e6	61.0	22.0	0.0437	bd
6	210412H1_7	50.0	1.47	NO	35.03	1.344	9.68e4	2.95e6	45.8	-8.4	0.0328	bd

Compound name: 13C10-trans-Nonachlor
Response Factor: 0.0637986
RRF SD: 0.00377851, Relative SD: 5.92255
Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	50.0	1.55	NO	35.22	0.983	9.87e4	1.62e6	47.8	-4.4	0.0610	bb
2	210412H1_3	50.0	1.66	NO	35.24	0.983	1.67e5	2.79e6	47.0	-6.0	0.0600	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	210412H1_4	50.0	1.59	NO	35.22	0.983	1.46e5	2.36e6	48.5	-3.1	0.0619	bb
4	210412H1_5	50.0	1.55	NO	35.22	0.983	2.08e5	3.18e6	51.2	2.4	0.0653	db
5	210412H1_6	50.0	1.66	NO	35.24	0.983	2.59e5	3.69e6	55.1	10.2	0.0703	db
6	210412H1_7	50.0	1.64	NO	35.22	0.983	1.07e5	1.67e6	50.4	0.9	0.0644	db

Compound name: 13C9-Endosulfan I (alpha)
Response Factor: 0.0430788
RRF SD: 0.00364853, Relative SD: 8.46943
Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	50.0	1.65	NO	35.82	1.000	6.71e4	1.62e6	48.1	-3.8	0.0414	bb
2	210412H1_3	50.0	1.64	NO	35.82	0.999	1.08e5	2.79e6	44.9	-10.3	0.0387	bb
3	210412H1_4	50.0	1.70	NO	35.82	0.999	1.01e5	2.36e6	49.8	-0.5	0.0429	db
4	210412H1_5	50.0	1.63	NO	35.82	0.999	1.55e5	3.18e6	56.4	12.8	0.0486	db
5	210412H1_6	50.0	1.99	YES	35.83	1.000	2.42e5	3.69e6	76.1	52.1	0.0655	dbX
6	210412H1_7	50.0	1.61	NO	35.82	1.000	7.32e4	1.67e6	50.9	1.8	0.0439	bb

Compound name: 13C12-2,4'-DDE
Response Factor: 1.43414
RRF SD: 0.0362706, Relative SD: 2.52908
Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	50.0	1.60	NO	35.69	0.996	2.32e6	1.62e6	50.0	0.1	1.44	bb
2	210412H1_3	50.0	1.59	NO	35.69	0.996	3.88e6	2.79e6	48.4	-3.2	1.39	bb
3	210412H1_4	50.0	1.58	NO	35.69	0.996	3.33e6	2.36e6	49.2	-1.5	1.41	bb
4	210412H1_5	50.0	1.56	NO	35.69	0.996	4.62e6	3.18e6	50.6	1.2	1.45	bb
5	210412H1_6	50.0	1.57	NO	35.70	0.996	5.56e6	3.69e6	52.5	5.0	1.51	bbX
6	210412H1_7	50.0	1.59	NO	35.69	0.996	2.47e6	1.67e6	51.7	3.4	1.48	bb

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Compound name: 13C12-4,4'-DDE
Response Factor: 0.994684
RRF SD: 0.0188461, Relative SD: 1.89469
Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	50.0	1.58	NO	36.75	1.026	1.65e6	1.62e6	51.4	2.7	1.02	bd
2	210412H1_3	50.0	1.54	NO	36.75	1.025	2.70e6	2.79e6	48.7	-2.6	0.969	bb
3	210412H1_4	50.0	1.58	NO	36.75	1.025	2.33e6	2.36e6	49.8	-0.5	0.990	bb
4	210412H1_5	50.0	1.58	NO	36.75	1.025	3.18e6	3.18e6	50.2	0.4	0.998	bd
5	210412H1_6	50.0	1.58	NO	36.75	1.025	3.92e6	3.69e6	53.5	6.9	1.06	bdX
6	210412H1_7	50.0	1.56	NO	36.74	1.025	1.66e6	1.67e6	50.0	-0.0	0.995	bb

Compound name: 13C12-Dieldrin
Response Factor: 0.146259
RRF SD: 0.00296056, Relative SD: 2.02419
Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	50.0	1.65	NO	37.25	1.039	2.45e5	1.62e6	51.8	3.6	0.152	dd
2	210412H1_3	50.0	1.57	NO	37.26	1.039	4.04e5	2.79e6	49.4	-1.1	0.145	db
3	210412H1_4	50.0	1.61	NO	37.26	1.039	3.37e5	2.36e6	48.8	-2.4	0.143	dd
4	210412H1_5	50.0	1.60	NO	37.26	1.039	4.66e5	3.18e6	50.0	0.1	0.146	db
5	210412H1_6	50.0	1.61	NO	37.26	1.039	5.40e5	3.69e6	50.0	0.1	0.146	bb
6	210412H1_7	50.0	1.61	NO	37.26	1.040	2.43e5	1.67e6	49.9	-0.2	0.146	bb

Compound name: 13C12-Endrin
Response Factor: 0.110653
RRF SD: 0.0128941, Relative SD: 11.6527
Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	50.0	1.61	NO	38.66	1.079	1.97e5	1.62e6	54.9	9.9	0.122	bb
2	210412H1_3	50.0	1.57	NO	38.66	1.078	3.42e5	2.79e6	55.3	10.6	0.122	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	210412H1_4	50.0	1.55	NO	38.66	1.078	2.50e5	2.36e6	48.0	-4.1	0.106	bb
4	210412H1_5	50.0	1.55	NO	38.66	1.078	3.51e5	3.18e6	49.9	-0.2	0.110	bb
5	210412H1_6	50.0	1.62	NO	38.66	1.078	4.27e5	3.69e6	52.3	4.5	0.116	bd
6	210412H1_7	50.0	1.54	NO	38.66	1.079	1.46e5	1.67e6	39.6	-20.8	0.0877	bb

Compound name: 13C10-cis-Nonachlor
Response Factor: 0.0791427
RRF SD: 0.00463454, Relative SD: 5.85594
Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	50.0	1.61	NO	38.94	1.087	1.30e5	1.62e6	50.7	1.5	0.0803	db
2	210412H1_3	50.0	1.63	NO	38.94	1.086	2.18e5	2.79e6	49.2	-1.5	0.0779	db
3	210412H1_4	50.0	1.61	NO	38.94	1.086	1.80e5	2.36e6	48.2	-3.5	0.0764	db
4	210412H1_5	50.0	1.66	NO	38.94	1.086	2.45e5	3.18e6	48.7	-2.6	0.0771	dd
5	210412H1_6	50.0	1.80	NO	38.94	1.086	3.24e5	3.69e6	55.5	11.1	0.0879	db
6	210412H1_7	50.0	1.63	NO	38.94	1.087	1.25e5	1.67e6	47.5	-5.0	0.0752	db

Compound name: 13C9-Endosulfan II
Response Factor: 0.0267143
RRF SD: 0.00178216, Relative SD: 6.6712
Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	50.0	1.72	NO	39.67	1.107	3.91e4	1.62e6	45.3	-9.5	0.0242	bb
2	210412H1_3	50.0	1.62	NO	39.67	1.107	7.22e4	2.79e6	48.4	-3.1	0.0259	bb
3	210412H1_4	50.0	1.65	NO	39.67	1.107	6.36e4	2.36e6	50.4	0.9	0.0270	bb
4	210412H1_5	50.0	1.83	NO	39.67	1.107	9.18e4	3.18e6	54.0	8.0	0.0288	db
5	210412H1_6	50.0	2.03	YES	39.69	1.107	1.85e5	3.69e6	93.7	87.4	0.0501	MMX
6	210412H1_7	50.0	1.47	NO	39.67	1.107	4.62e4	1.67e6	51.9	3.7	0.0277	bb

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Compound name: 13C12-2,4'-DDD
Response Factor: 1.35369
RRF SD: 0.0346379, Relative SD: 2.55878
Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	50.0	1.58	NO	37.89	1.057	2.18e6	1.62e6	49.6	-0.7	1.34	bb
2	210412H1_3	50.0	1.56	NO	37.89	1.057	3.66e6	2.79e6	48.5	-3.1	1.31	bb
3	210412H1_4	50.0	1.55	NO	37.89	1.057	3.17e6	2.36e6	49.7	-0.7	1.34	bb
4	210412H1_5	50.0	1.56	NO	37.89	1.057	4.33e6	3.18e6	50.3	0.6	1.36	bb
5	210412H1_6	50.0	1.57	NO	37.89	1.057	5.58e6	3.69e6	55.8	11.7	1.51	bbX
6	210412H1_7	50.0	1.57	NO	37.89	1.057	2.35e6	1.67e6	52.0	3.9	1.41	bb

Compound name: 13C12-2,4'-DDT
Response Factor: 0.962489
RRF SD: 0.00602138, Relative SD: 0.625605
Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	50.0	1.80	NO	39.00	1.088	1.57e6	1.62e6	50.4	0.7	0.969	bd
2	210412H1_3	50.0	1.77	NO	39.02	1.088	2.67e6	2.79e6	49.8	-0.4	0.958	bd
3	210412H1_4	50.0	1.79	NO	39.00	1.088	2.26e6	2.36e6	49.7	-0.6	0.957	bd
4	210412H1_5	50.0	1.80	NO	39.00	1.088	3.08e6	3.18e6	50.3	0.6	0.969	bd
5	210412H1_6	50.0	1.81	NO	39.02	1.088	4.01e6	3.69e6	56.5	12.9	1.09	bdX
6	210412H1_7	50.0	1.81	NO	39.00	1.088	1.60e6	1.67e6	49.9	-0.3	0.960	bd

Compound name: 13C12-4,4'-DDD
Response Factor: 1.1245
RRF SD: 0.0096083, Relative SD: 0.854448
Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	50.0	1.58	NO	39.13	1.092	1.84e6	1.62e6	50.5	1.1	1.14	db
2	210412H1_3	50.0	1.57	NO	39.14	1.092	3.11e6	2.79e6	49.5	-1.0	1.11	db

Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

Last Altered: Tuesday, April 13, 2021 11:50:39 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 12:02:04 Pacific Daylight Time

Compound name: 13C12-4,4'-DDD

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210412H1_4	50.0	1.57	NO	39.13	1.092	2.64e6	2.36e6	49.7	-0.6	1.12	db
4	210412H1_5	50.0	1.58	NO	39.14	1.092	3.60e6	3.18e6	50.3	0.7	1.13	db
5	210412H1_6	50.0	1.57	NO	39.14	1.092	4.82e6	3.69e6	58.1	16.2	1.31	dbX
6	210412H1_7	50.0	1.57	NO	39.14	1.092	1.87e6	1.67e6	49.9	-0.2	1.12	db

Compound name: 13C12-4,4'-DDT
Response Factor: 0.73505
RRF SD: 0.0312753, Relative SD: 4.25485
Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	50.0	1.56	NO	40.19	1.122	1.24e6	1.62e6	52.3	4.6	0.769	bb
2	210412H1_3	50.0	1.56	NO	40.20	1.122	2.12e6	2.79e6	51.7	3.4	0.760	db
3	210412H1_4	50.0	1.57	NO	40.19	1.121	1.73e6	2.36e6	49.9	-0.2	0.733	bb
4	210412H1_5	50.0	1.59	NO	40.19	1.121	2.30e6	3.18e6	49.2	-1.6	0.723	bb
5	210412H1_6	50.0	1.59	NO	40.20	1.122	3.07e6	3.69e6	56.6	13.2	0.832	bbX
6	210412H1_7	50.0	1.56	NO	40.19	1.122	1.15e6	1.67e6	46.9	-6.1	0.690	bb

Compound name: 13C9-Endosulfan Sulfate
Response Factor: 0.0345747
RRF SD: 0.00217755, Relative SD: 6.2981
Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	50.0	1.66	NO	41.38	1.155	5.82e4	1.62e6	52.0	4.0	0.0360	bb
2	210412H1_3	50.0	1.68	NO	41.40	1.155	1.02e5	2.79e6	53.0	6.0	0.0366	bb
3	210412H1_4	50.0	1.58	NO	41.38	1.154	7.77e4	2.36e6	47.7	-4.7	0.0330	bb
4	210412H1_5	50.0	1.57	NO	41.38	1.154	1.07e5	3.18e6	48.4	-3.1	0.0335	bb
5	210412H1_6	50.0	1.56	NO	41.40	1.155	1.36e5	3.69e6	53.2	6.4	0.0368	bb
6	210412H1_7	50.0	1.52	NO	41.38	1.155	5.27e4	1.67e6	45.7	-8.6	0.0316	bb

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Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

Last Altered: Tuesday, April 13, 2021 11:50:39 Pacific Daylight Time
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Compound name: 13C12-Methoxychlor
Response Factor: 0.720309
RRF SD: 0.130547, Relative SD: 18.1238
Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	500	19.16	NO	43.24	1.207	1.40e7	1.62e6	599	19.8	0.863	bb
2	210412H1_3	500	19.77	NO	43.24	1.206	2.34e7	2.79e6	583	16.6	0.840	bb
3	210412H1_4	500	20.50	NO	43.24	1.206	1.63e7	2.36e6	480	-4.0	0.692	bb
4	210412H1_5	500	20.52	NO	43.24	1.206	2.08e7	3.18e6	455	-9.1	0.655	bb
5	210412H1_6	500	21.37	NO	43.25	1.207	2.88e7	3.69e6	542	8.3	0.780	dbX
6	210412H1_7	500	20.43	NO	43.24	1.207	9.21e6	1.67e6	383	-23.4	0.552	bb

Compound name: 13C10-Mirex
Response Factor: 0.328107
RRF SD: 0.065674, Relative SD: 20.0161
Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	50.0	1.63	NO	43.85	1.224	6.76e5	1.62e6	63.7	27.3	0.418	dd
2	210412H1_3	50.0	1.60	NO	43.85	1.223	1.09e6	2.79e6	59.6	19.2	0.391	dd
3	210412H1_4	50.0	1.56	NO	43.85	1.223	7.39e5	2.36e6	47.8	-4.4	0.314	dd
4	210412H1_5	50.0	1.60	NO	43.85	1.223	9.08e5	3.18e6	43.5	-13.0	0.285	dd
5	210412H1_6	50.0	1.65	NO	43.85	1.223	1.18e6	3.69e6	48.6	-2.8	0.319	dd
6	210412H1_7	50.0	1.66	NO	43.85	1.224	4.04e5	1.67e6	36.9	-26.3	0.242	bd

Compound name: 13C12-Endrin Aldehyde
Response Factor: 0.0335745
RRF SD: 0.00338572, Relative SD: 10.0842
Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	500	0.45	NO	40.78	1.138	5.79e5	1.62e6	533	6.5	0.0358	MM
2	210412H1_3	500	0.46	NO	40.80	1.138	8.44e5	2.79e6	450	-10.0	0.0302	MM

Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

Last Altered: Tuesday, April 13, 2021 11:50:39 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 12:02:04 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	210412H1_4	500	0.46	NO	40.78	1.138	7.28e5	2.36e6	460	-8.0	0.0309	MM
4	210412H1_5	500	0.46	NO	40.78	1.138	9.98e5	3.18e6	467	-6.6	0.0314	MM
5	210412H1_6	500	0.46	NO	40.80	1.138	1.44e6	3.69e6	580	16.0	0.0389	MM
6	210412H1_7	500	0.43	NO	40.78	1.138	5.72e5	1.67e6	510	2.0	0.0343	MM

Compound name: 13C12-Endrin Ketone
Response Factor: 0.0398171
RRF SD: 0.0044217, Relative SD: 11.105
Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	500	0.48	NO	43.98	1.227	7.32e5	1.62e6	568	13.6	0.0452	bb
2	210412H1_3	500	0.45	NO	43.98	1.227	1.23e6	2.79e6	554	10.9	0.0441	bb
3	210412H1_4	500	0.46	NO	43.98	1.227	9.08e5	2.36e6	483	-3.3	0.0385	bb
4	210412H1_5	500	0.47	NO	43.98	1.227	1.14e6	3.18e6	451	-9.9	0.0359	db
5	210412H1_6	500	0.46	NO	43.98	1.227	1.51e6	3.69e6	514	2.8	0.0409	bb
6	210412H1_7	500	0.47	NO	43.98	1.227	5.71e5	1.67e6	430	-14.0	0.0342	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	210412H1_2	50.0	1.55	NO	26.06	1.000	2.55e6	2.55e6	50.0	0.0	1.00	bb
2	210412H1_3	50.0	1.55	NO	26.06	1.000	4.27e6	4.27e6	50.0	0.0	1.00	bb
3	210412H1_4	50.0	1.55	NO	26.07	1.000	3.79e6	3.79e6	50.0	0.0	1.00	bb
4	210412H1_5	50.0	1.56	NO	26.07	1.000	5.10e6	5.10e6	50.0	0.0	1.00	bb
5	210412H1_6	50.0	1.55	NO	26.07	1.000	5.74e6	5.74e6	50.0	0.0	1.00	bb
6	210412H1_7	50.0	1.57	NO	26.06	1.000	2.95e6	2.95e6	50.0	0.0	1.00	bb

Quantify Compound Summary Report **MassLynx 4.1 SCN815**
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Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

Last Altered: Tuesday, April 13, 2021 11:50:39 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 12:02:19 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Compound name: 13C-PCB-60
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	50.0	0.80	NO	35.83	1.000	1.62e6	1.62e6	50.0	0.0	1.00	bb
2	210412H1_3	50.0	0.80	NO	35.85	1.000	2.79e6	2.79e6	50.0	0.0	1.00	bb
3	210412H1_4	50.0	0.81	NO	35.85	1.000	2.36e6	2.36e6	50.0	0.0	1.00	bb
4	210412H1_5	50.0	0.81	NO	35.85	1.000	3.18e6	3.18e6	50.0	0.0	1.00	bb
5	210412H1_6	50.0	0.82	NO	35.85	1.000	3.69e6	3.69e6	50.0	0.0	1.00	bb
6	210412H1_7	50.0	0.81	NO	35.83	1.000	1.67e6	1.67e6	50.0	0.0	1.00	bd

Dataset: Untitled

Last Altered: Tuesday, April 13, 2021 14:51:23 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 14:51:42 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

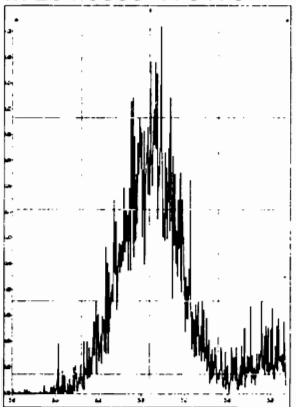
Compound name: Hexachlorobutadiene

	Name	ID	Acq.Date	Acq.Time
1	210412H1_1	ST210412H1_1 1699 CS1 21D0901	12-Apr-21	13:31:26
2	210412H1_2	ST210412H1_2 1699 CS1 21D0901	12-Apr-21	15:48:16
3	210412H1_3	ST210412H1_3 1699 CS2 20B2102	12-Apr-21	16:39:21
4	210412H1_4	ST210412H1_4 1699 CS3.5 20B2104	12-Apr-21	17:26:09
5	210412H1_5	ST210412H1_5 1699 CS4 20B2105	12-Apr-21	18:14:31
6	210412H1_6	ST210412H1_6 1699 CS5 20B2106	12-Apr-21	19:02:53
7	210412H1_7	ST210412H1_7 1699 CS3 21C0402	12-Apr-21	19:51:12
8	210412H1_8	SS210412H1_1 1699 SS 20B2107	12-Apr-21	20:39:33
9	210412H1_9	GC210412H1_1 GC BREAK	12-Apr-21	21:27:50
10	210412H1_10	B1C0235-BS1 OPR 1	12-Apr-21	22:16:14
11	210412H1_11	B1D0017-BS1 OPR 1	12-Apr-21	23:04:34
12	210412H1_12	SOLVENT BLANK	12-Apr-21	23:52:54
13	210412H1_13	B1C0235-BLK1 Method Blank 1	13-Apr-21	00:41:10
14	210412H1_14	B1D0017-BLK1 Method Blank 1	13-Apr-21	01:29:28
15	210412H1_15	2104002-02 SS-FB-2103300905 1.03768	13-Apr-21	02:17:53
16	210412H1_16	2104002-01 SS-RB-2103300910 1.05351	13-Apr-21	03:06:10
17	210412H1_17	2103248-01 MW48 1.03875	13-Apr-21	03:54:28
18	210412H1_18	2103248-03 KMW29 1.03359	13-Apr-21	04:42:48
19	210412H1_19	2103248-04 KMW31 1.03952	13-Apr-21	05:31:04
20	210412H1_20	2103248-02 MW49 1.01601	13-Apr-21	06:19:30
21	210412H1_21	2103248-05 KMW37 1.02843	13-Apr-21	07:07:47

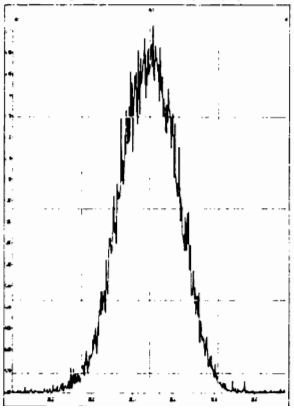
File: Experiment: 1699_zb50_10k.exp Reference: Pfk.ref Function: 1 @ 250 (ppm)

Printed: Monday, April 12, 2021 13:26:37 Pacific Daylight Time

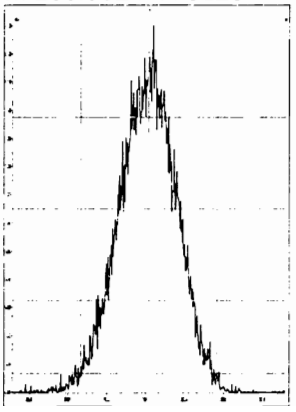
M 254.9856 R 9173



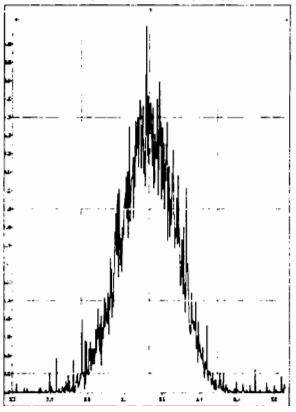
M 268.9824 R 8296



M 280.9824 R 8228



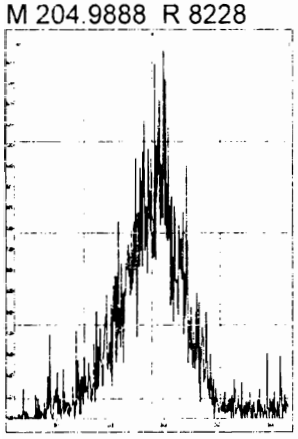
M 292.9824 R 8967



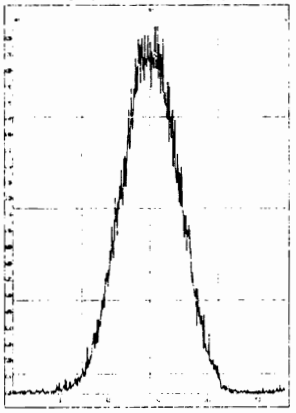
File: Experiment: 1699_zb50_10k.exp Reference: Pfk.ref Function: 2 @ 250 (ppm)

Printed: Monday, April 12, 2021 13:27:26 Pacific Daylight Time

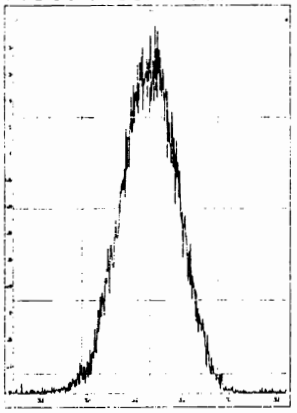
M 204.9888 R 8228



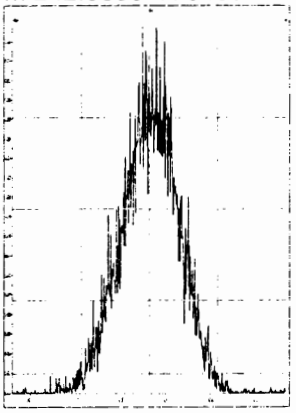
M 218.9856 R 7937



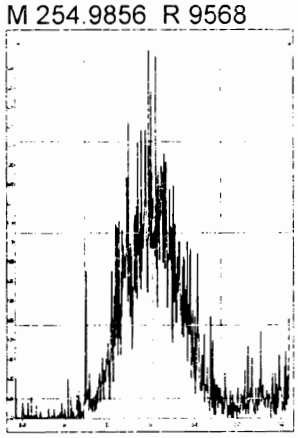
M 230.9856 R 8367



M 242.9856 R 8439

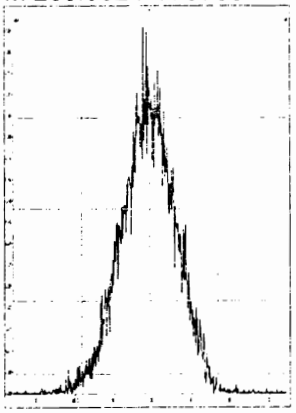


M 254.9856 R 9568



M 268.9824 R 9614

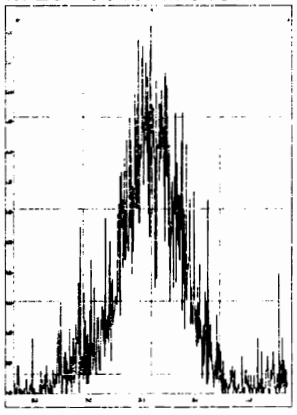
M 280.9824 R 9708



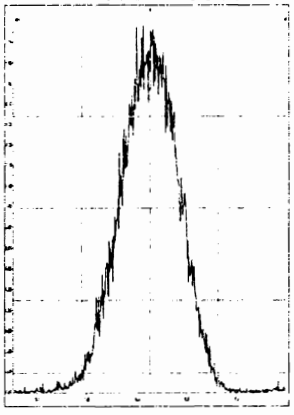
File: Experiment: 1699_zb50_10k.exp Reference: Pfk.ref Function: 3 @ 250 (ppm)

Printed: Monday, April 12, 2021 13:28:54 Pacific Daylight Time

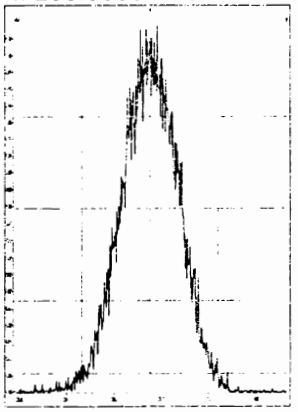
M 204.9888 R 8197



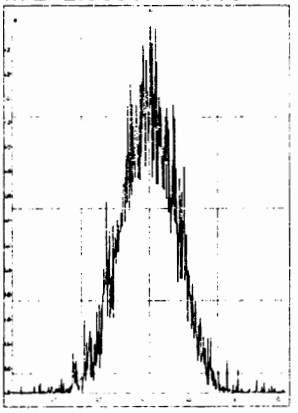
M 218.9856 R 8369



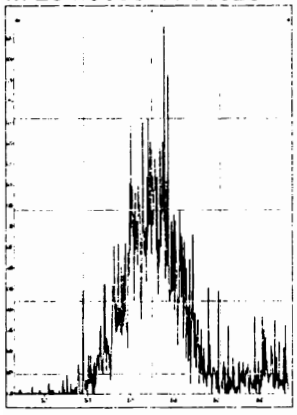
M 230.9856 R 8733



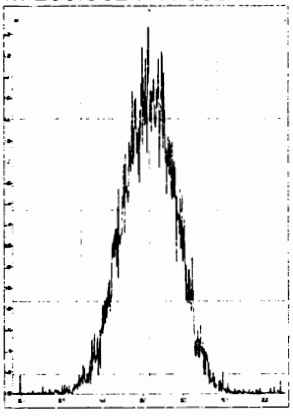
M 242.9856 R 9659



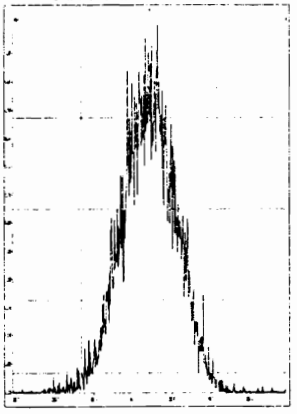
M 254.9856 R 11626



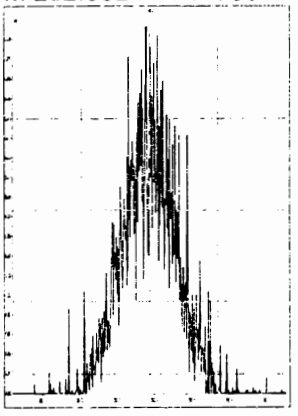
M 268.9824 R 9301



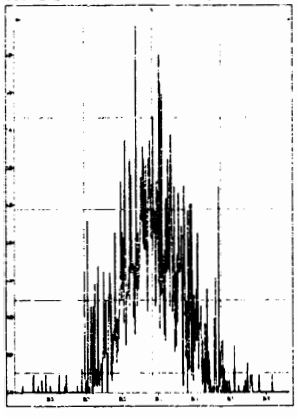
M 280.9824 R 8968



M 292.9824 R 11765



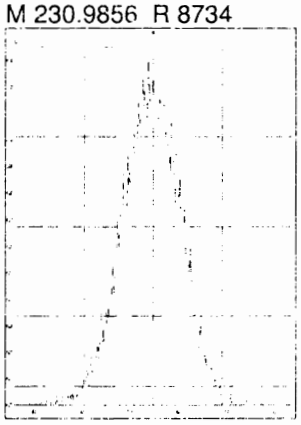
M 304.9824 R 13794



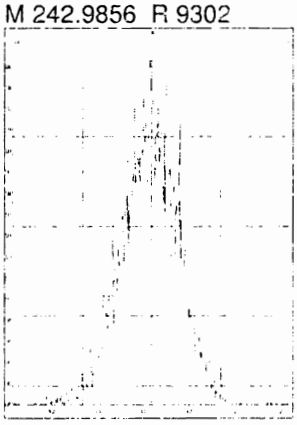
File: Experiment: 1699_zb50_10k.exp Reference: Pfk.ref Function: 4 @ 250 (ppm)

Printed: Monday, April 12, 2021 13:30:10 Pacific Daylight Time

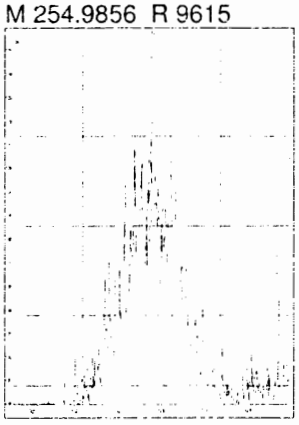
M 230.9856 R 8734



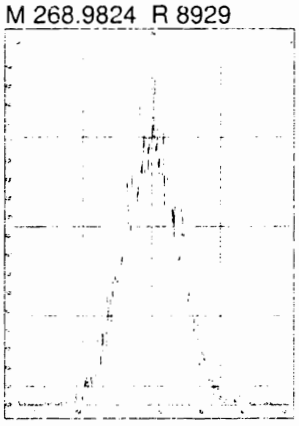
M 242.9856 R 9302



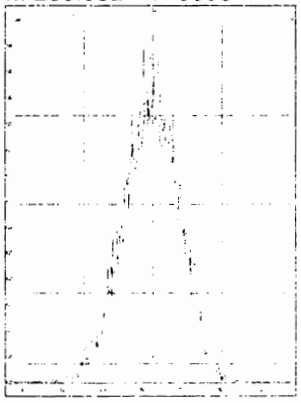
M 254.9856 R 9615



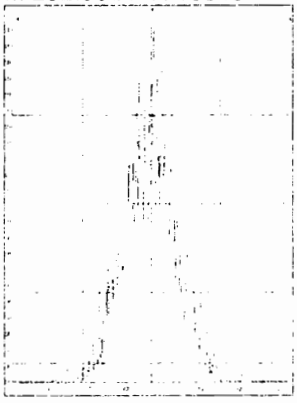
M 268.9824 R 8929



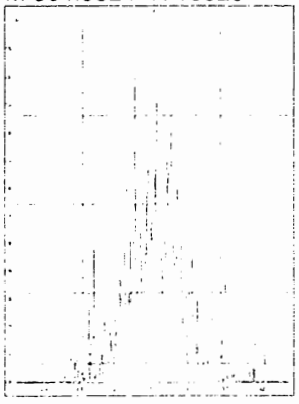
M 280.9824 R 8808



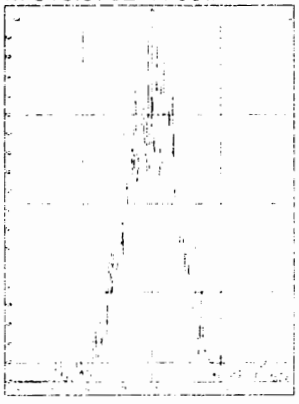
M 292.9824 R 10048



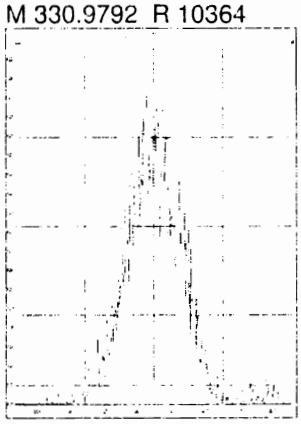
M 304.9824 R 10529



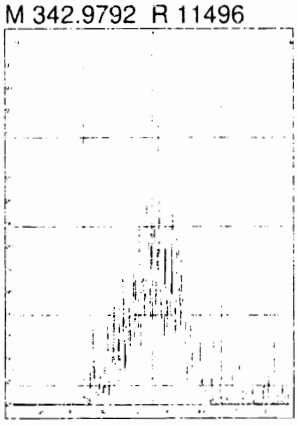
M 318.9792 R 9524



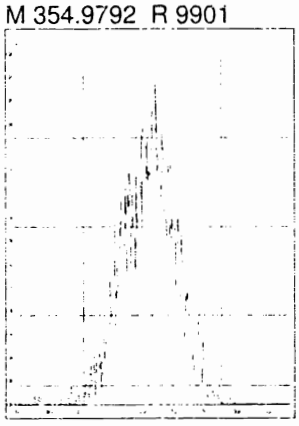
M 330.9792 R 10364



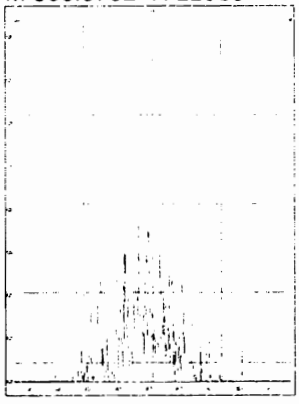
M 342.9792 R 11496



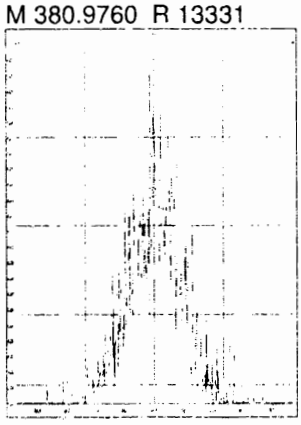
M 354.9792 R 9901



M 366.9792 R 22988



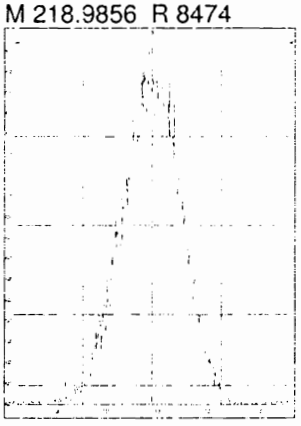
M 380.9760 R 13331



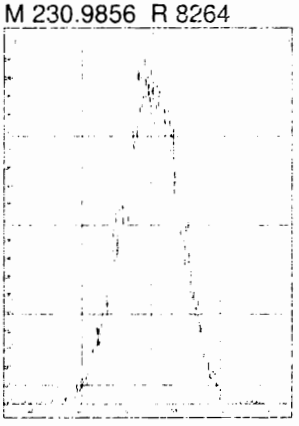
File: Experiment: 1699_zb50_10k.exp Reference: Pfk.ref Function: 5 @ 250 (ppm)

Printed: Monday, April 12, 2021 13:30:42 Pacific Daylight Time

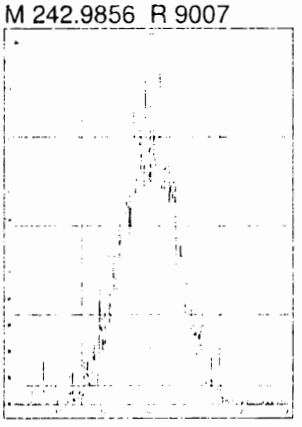
M 218.9856 R 8474



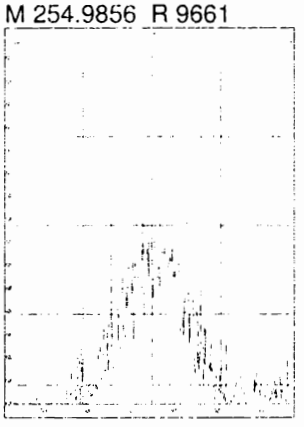
M 230.9856 R 8264



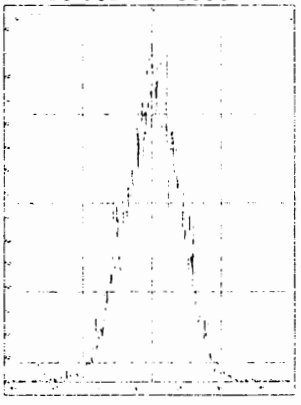
M 242.9856 R 9007



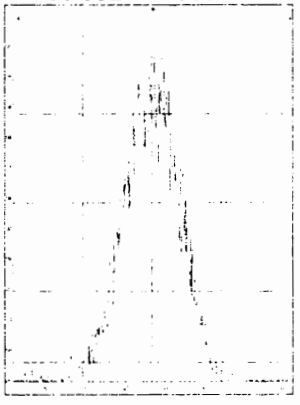
M 254.9856 R 9661



M 268.9824 R 9090



M 280.9824 R 9087



Vista Analytical Laboratory VG-10

Dataset: U:\vg10.PRO\Results\210412H1\210412H1_9.qld

Last Altered: Tuesday, April 13, 2021 14:46:40 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 14:47:05 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699_GC-break.mdb 13 Apr 2021 10:33:50
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210412H1_9, Date: 12-Apr-2021, Time: 21:27:50, ID: GC210412H1_1 GC BREAK, Description: GC BREAK

	#	Name	Resp	RA	n/y	RT
1	1	Endrin Aldehyde	9.80e3	0.63	NO	40.83
2	2	Endrin Ketone	8.65e3	0.67	NO	43.99
3	3	Endrin	2.41e5	1.61	NO	38.68
4	4	4,4'-DDE	6.82e3	1.23	NO	36.77
5	5	4,4'-DDD	4.24e4	1.43	NO	39.15
6	6	4,4'-DDT	3.96e6	1.58	NO	40.22

$\frac{EA + EK}{E} \times 100\% = 7.65\%$

$\frac{DDE + DDD}{DDT} \times 100\% = 1.24\%$

PF 04/13/21
HN 04/13/21

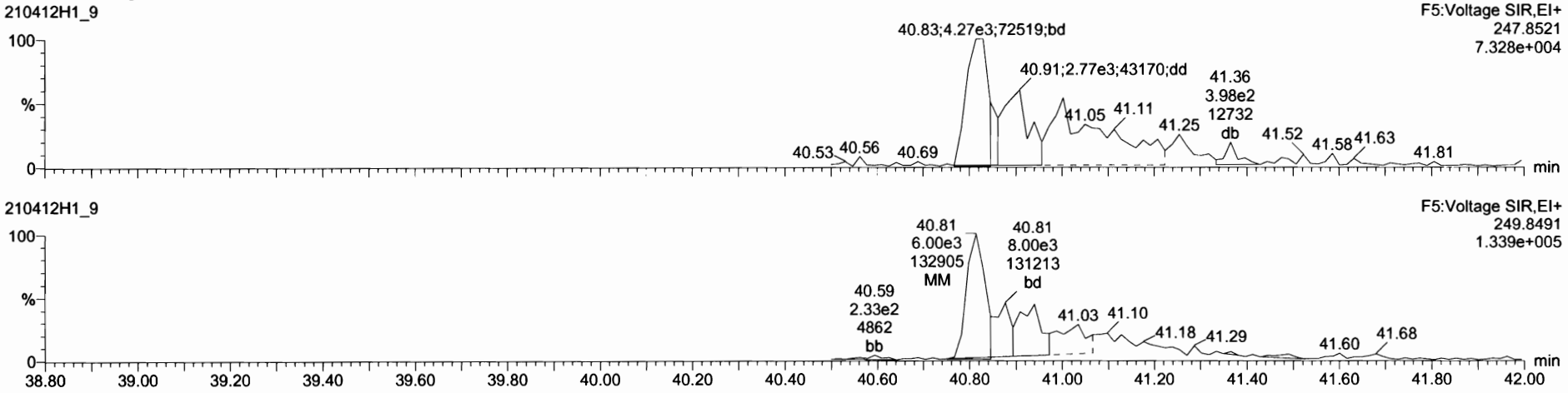
Dataset: U:\vg10.PRO\Results\210412H1\210412H1_9.qld

Last Altered: Tuesday, April 13, 2021 14:46:40 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 14:47:05 Pacific Daylight Time

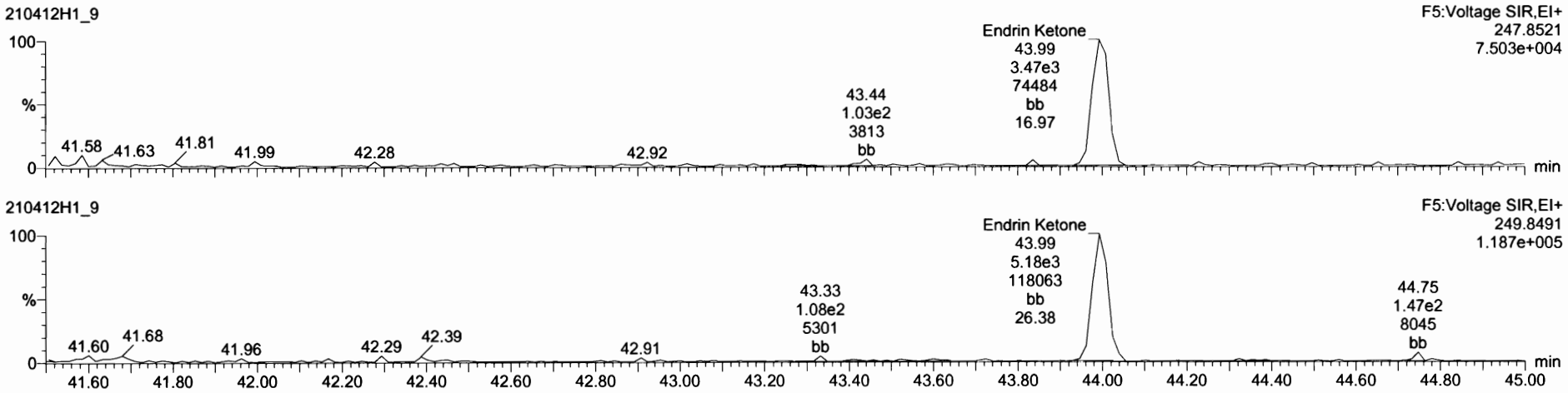
Method: U:\vg10.PRO\MethDB\1699_GC-break.mdb 13 Apr 2021 10:33:50
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210412H1_9, Date: 12-Apr-2021, Time: 21:27:50, ID: GC210412H1_1 GC BREAK, Description: GC BREAK

Endrin Aldehyde



Endrin Ketone

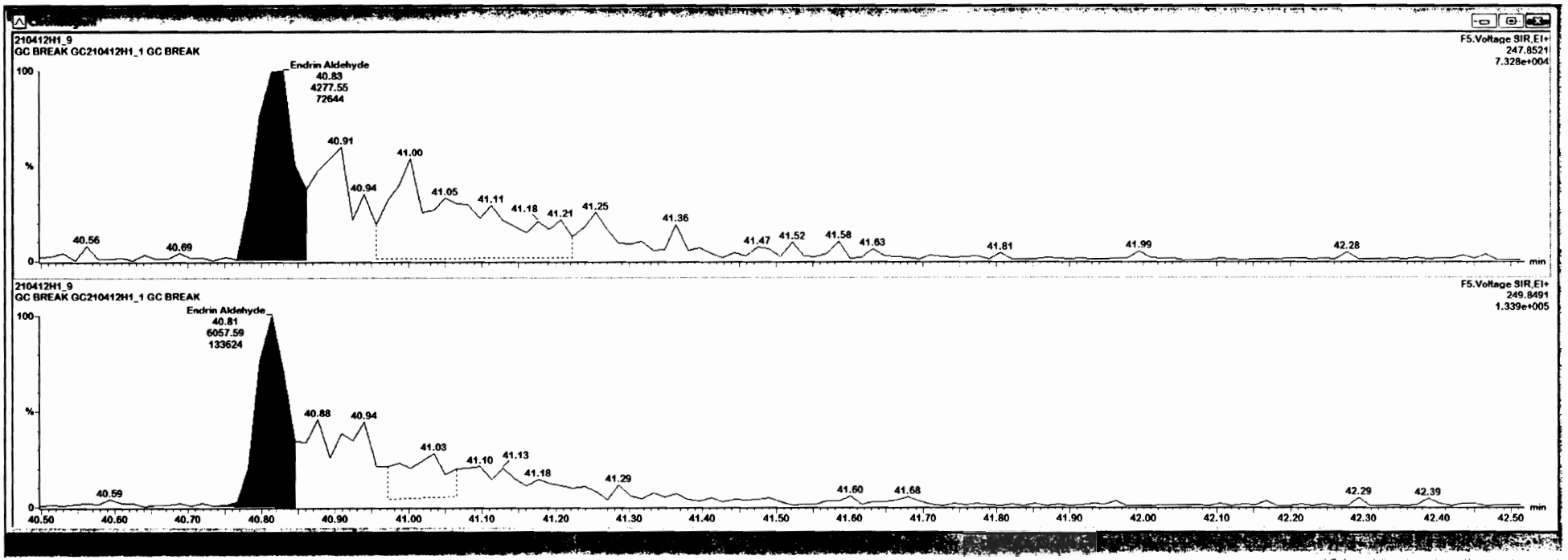


TargetLynx - un

File Edit View Display Processing Window Help

210412H1_9 - GC210412H1_1 GC BREAK - GC BREAK

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	[illegible]	[illegible]	[illegible]	NO		[illegible]	[illegible]	[illegible]				
2	Endrin Ketone	8.65e3	0.67	NO		1.000	43.99	0.000				
3	Endrin	2.41e5	1.61	NO		1.000	38.68	0.000				
4	4,4'-DDE	6.94e3	1.27	NO		1.000	36.77	0.000				
5	4,4'-DDD	4.23e4	1.42	NO		1.000	39.15	0.000				
6	4,4'-DDT	3.96e6	1.58	NO		1.000	40.22	0.000				
7	PFK4					1.000						
8	PFK5					1.000						



Ready

210412H1_9

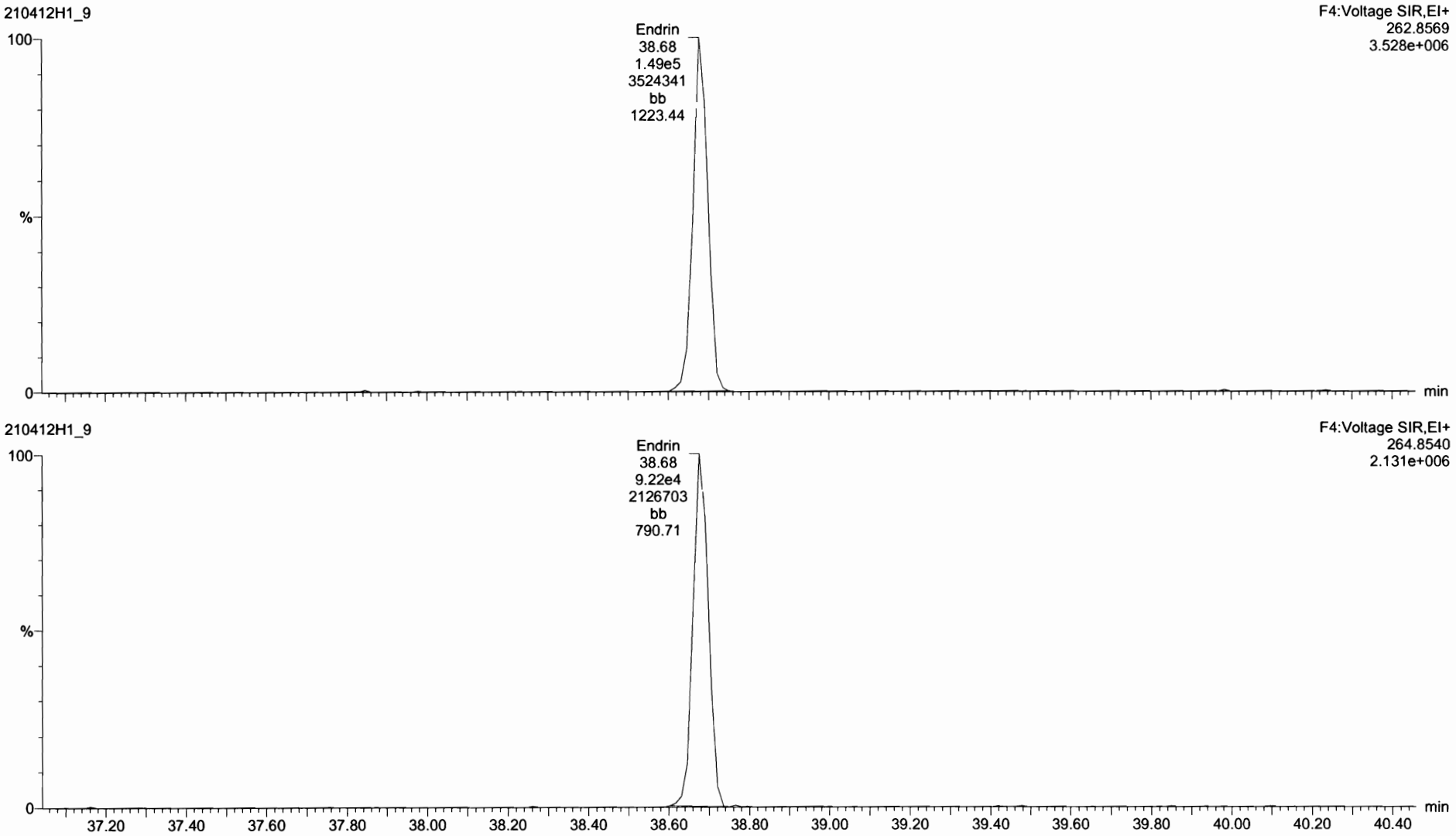
NUM

Dataset: U:\vg10.PRO\Results\210412H1\210412H1_9.qld

Last Altered: Tuesday, April 13, 2021 14:46:40 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 14:47:05 Pacific Daylight Time

Name: 210412H1_9, Date: 12-Apr-2021, Time: 21:27:50, ID: GC210412H1_1 GC BREAK, Description: GC BREAK

Endrin

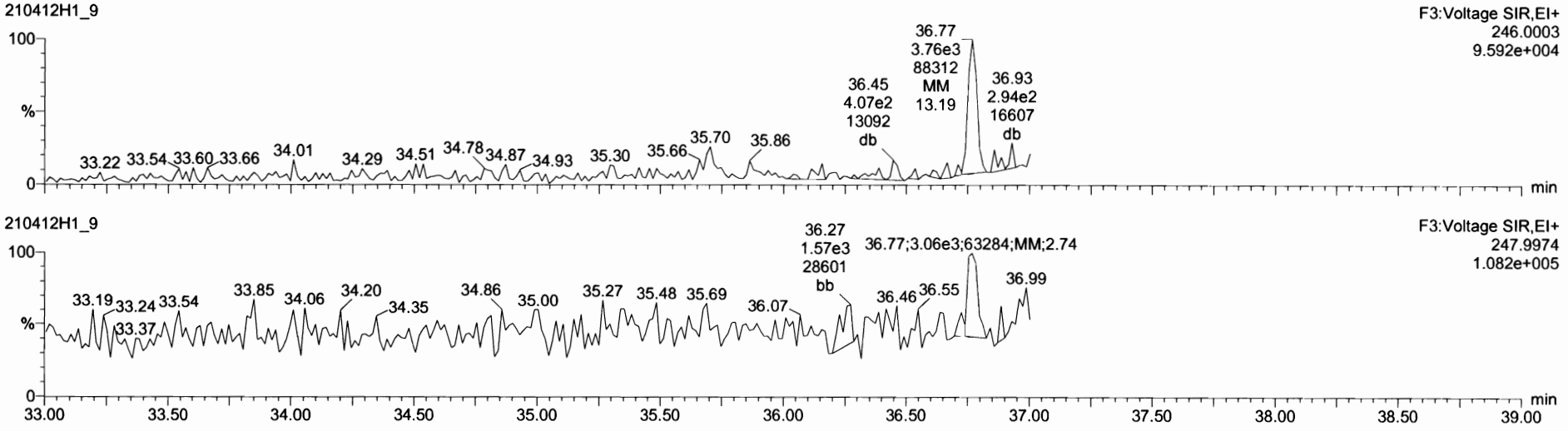


Dataset: U:\vg10.PRO\Results\210412H1\210412H1_9.qld

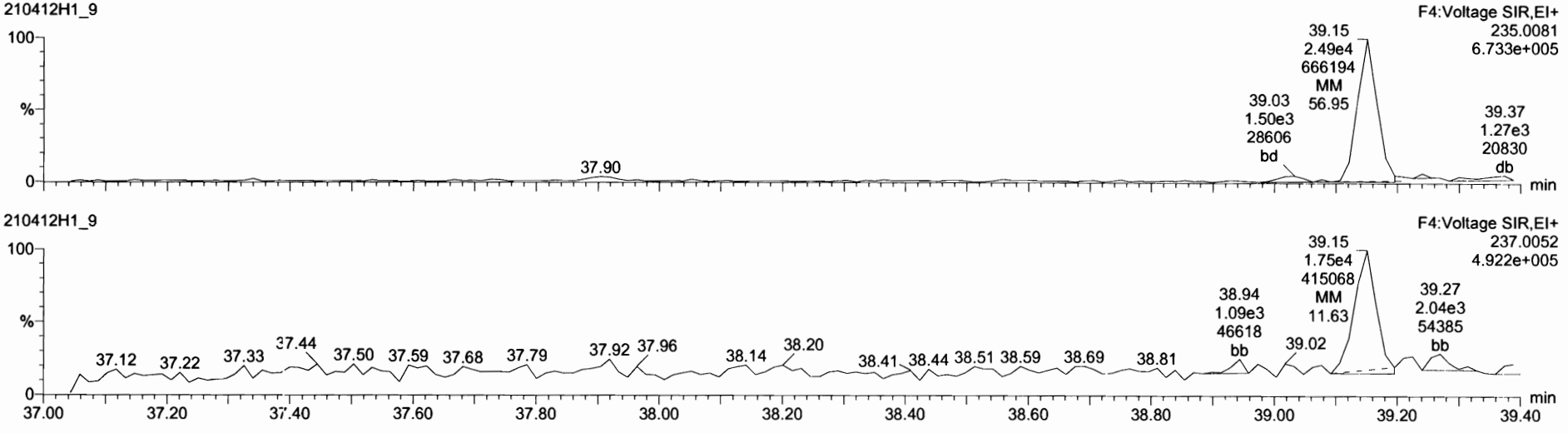
Last Altered: Tuesday, April 13, 2021 14:46:40 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 14:47:05 Pacific Daylight Time

Name: 210412H1_9, Date: 12-Apr-2021, Time: 21:27:50, ID: GC210412H1_1 GC BREAK, Description: GC BREAK

4,4'-DDE



4,4'-DDD



TargetLynx - unt

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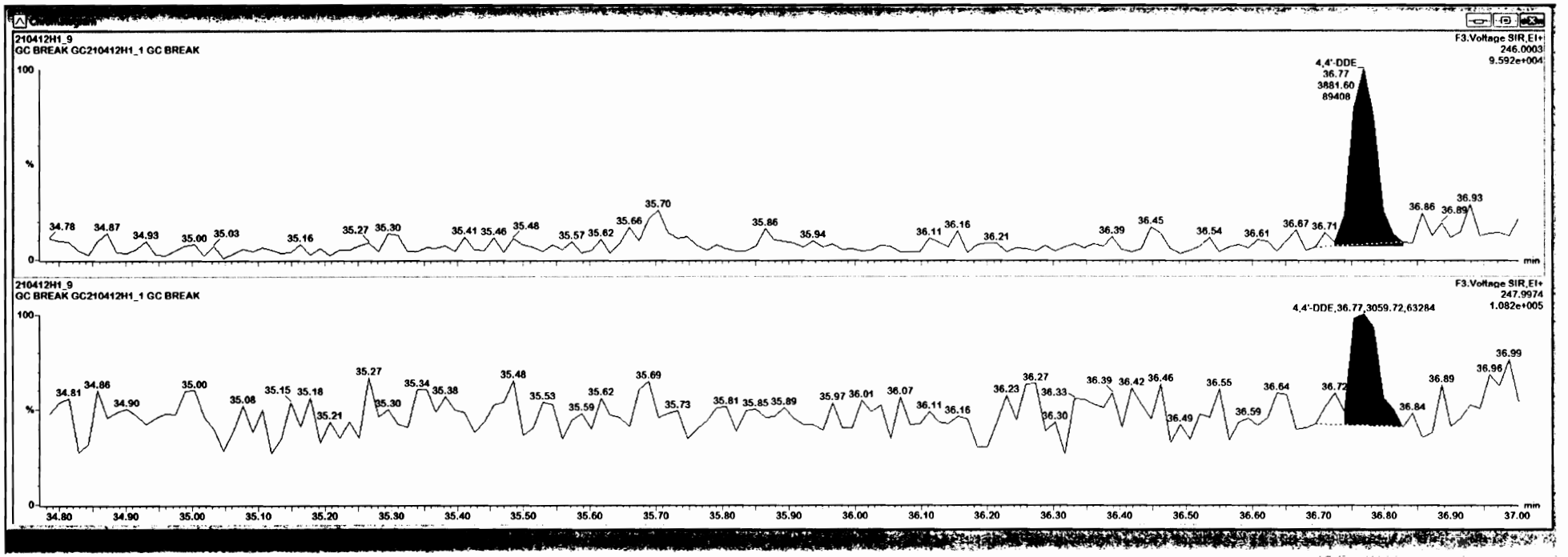
210412H1_9 - GC210412H1_1 GC BREAK - GC BREAK

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
1	Endrin Aldehyde	1.03e4	0.71	NO		1.000	40.83	0.000				
2	Endrin Ketone	8.65e3	0.67	NO		1.000	43.99	0.000				
3	Endrin	2.41e5	1.61	NO		1.000	38.68	0.000				
4	4,4'-DDE	[illegible]	1.27	NO		[illegible]	36.77	0.000				
5	4,4'-DDD	4.23e4	1.42	NO		1.000	39.15	0.000				
6	4,4'-DDT	3.96e6	1.58	NO		1.000	40.22	0.000				
7	PFK4					1.000						
8	PFK5					1.000						



Ready

210412H1_9

NUM

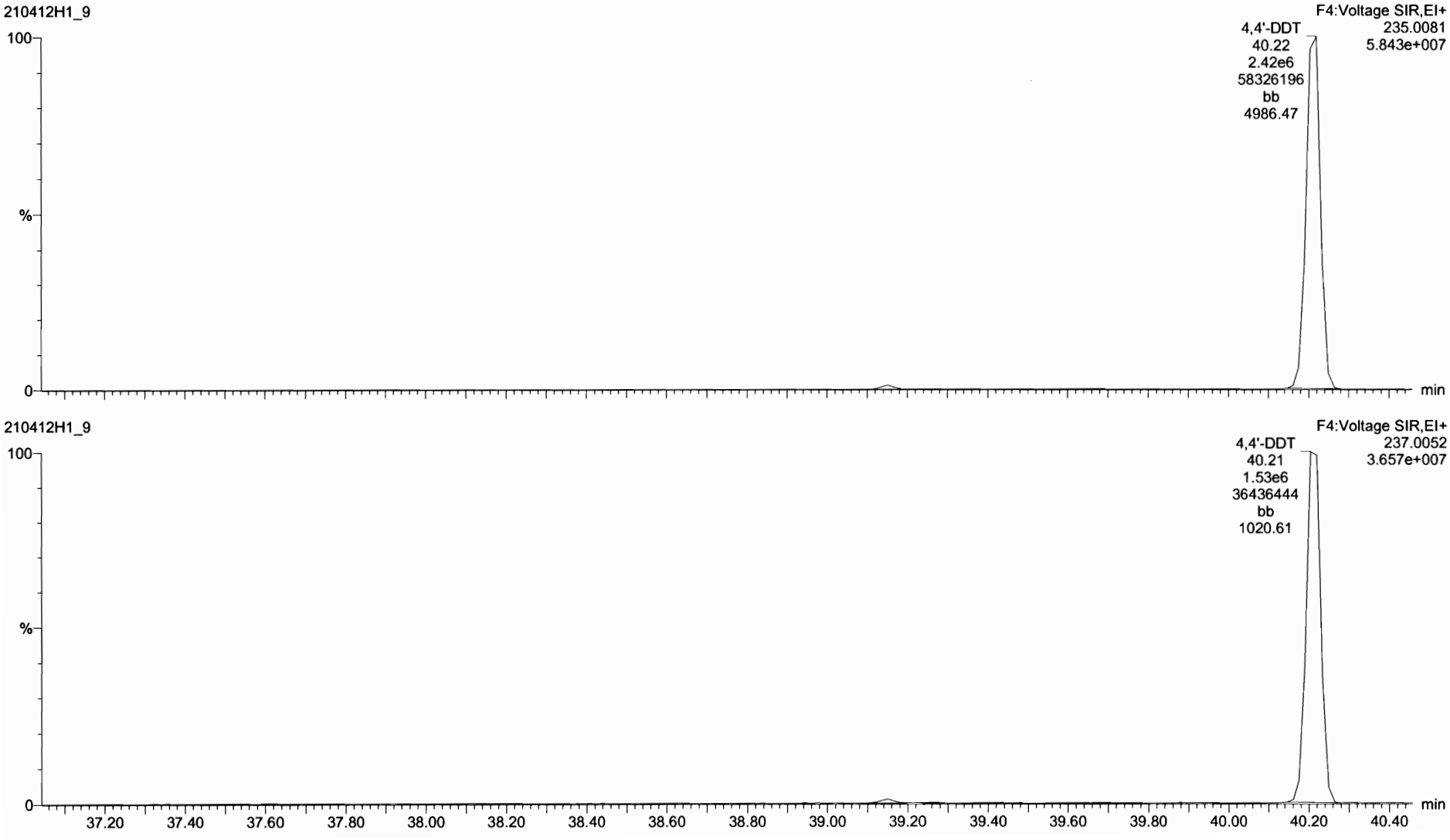
Vista Analytical Laboratory VG-10

Dataset: U:\vg10.PRO\Results\210412H1\210412H1_9.qld

Last Altered: Tuesday, April 13, 2021 14:46:40 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 14:47:05 Pacific Daylight Time

Name: 210412H1_9, Date: 12-Apr-2021, Time: 21:27:50, ID: GC210412H1_1 GC BREAK, Description: GC BREAK

4,4'-DDT

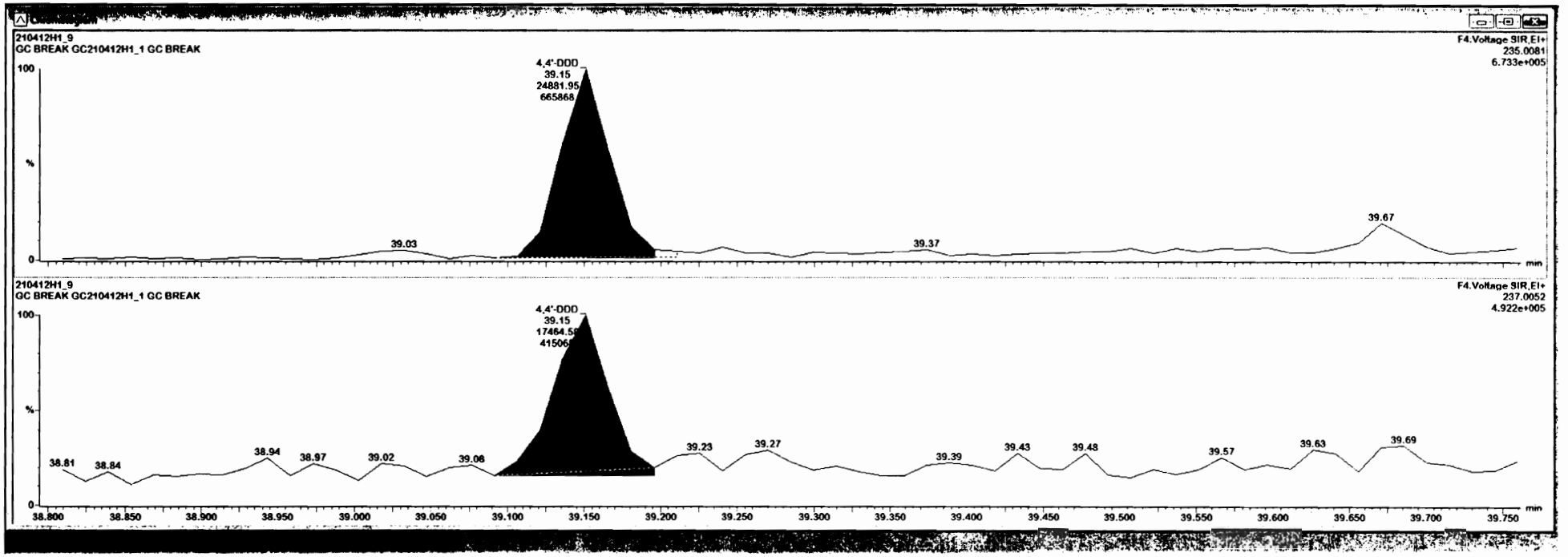


TargetLynx - unt

File Edit View Display Processing Window Help

210412H1_9 - GC210412H1_1 GC BREAK - GC BREAK

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	Endrin Aldehyde	1.03e4	0.71	NO		1.000	40.83	0.000				
2	Endrin Ketone	8.65e3	0.67	NO		1.000	43.99	0.000				
3	Endrin	2.41e5	1.61	NO		1.000	38.68	0.000				
4	4,4'-DDE	6.94e3	1.27	NO		1.000	36.77	0.000				
5	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]				
6	4,4'-DDT	3.96e6	1.58	NO		1.000	40.22	0.000				
7	PFK4					1.000						
8	PFK5					1.000						



Ready

210412H1_9

NUM

Vista Analytical Laboratory

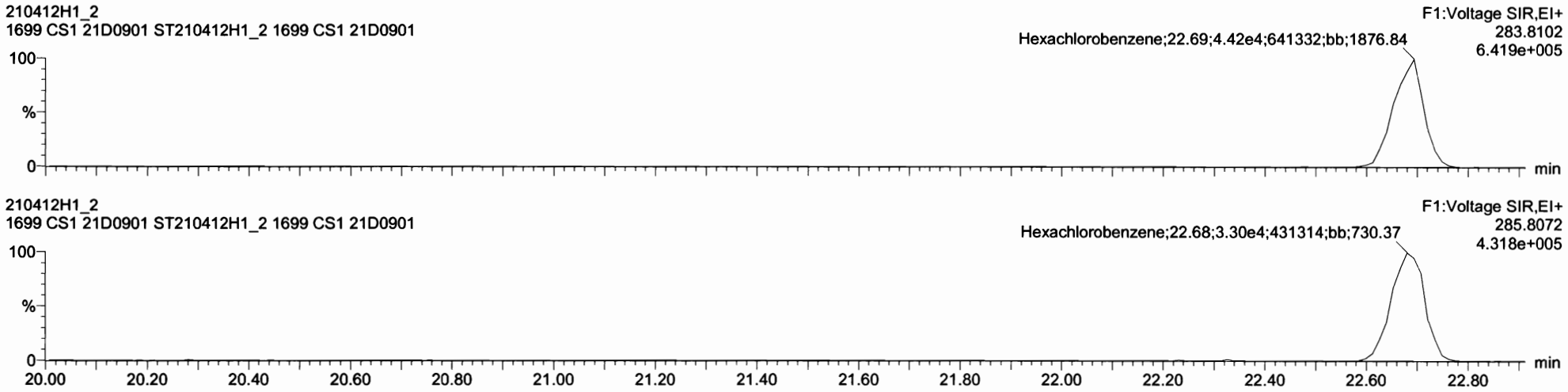
Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

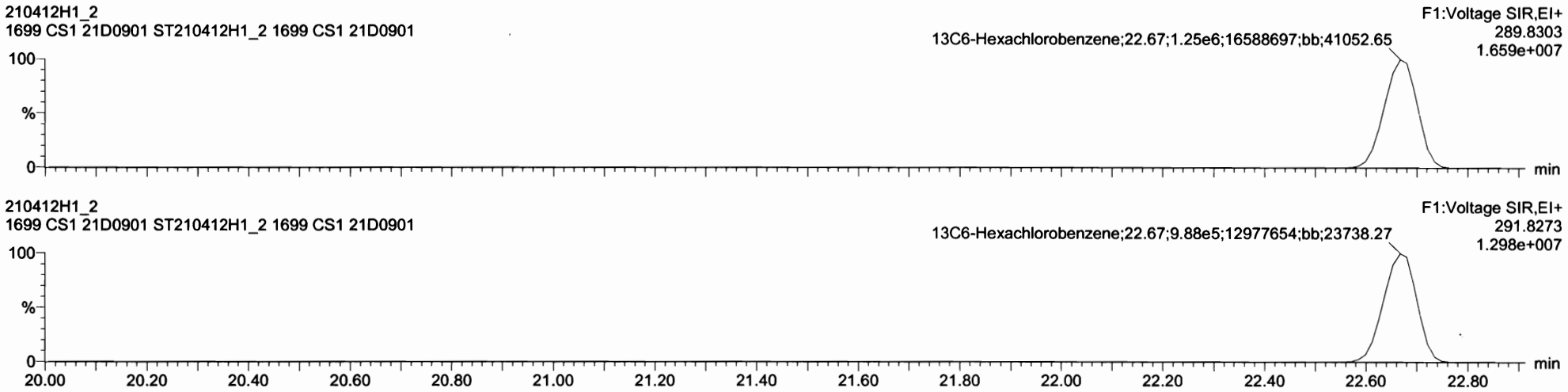
Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: 13 Apr 2021 09:35:52

Name: 210412H1_2, Date: 12-Apr-2021, Time: 15:48:16, ID: ST210412H1_2 1699 CS1 21D0901, Description: 1699 CS1 21D0901

Hexachlorobenzene



13C6-Hexachlorobenzene

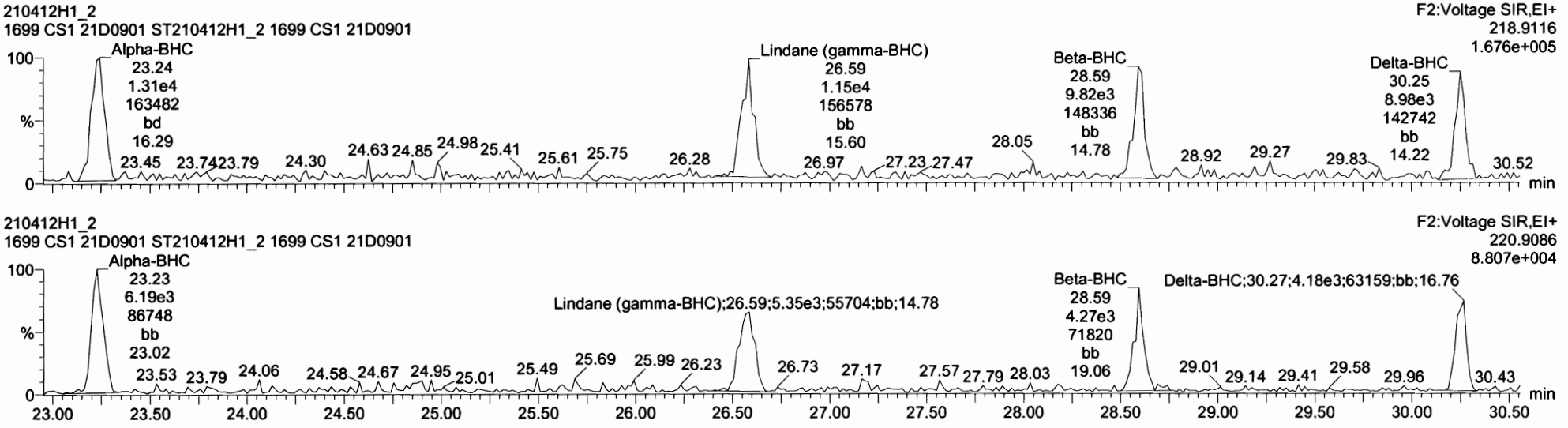


Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

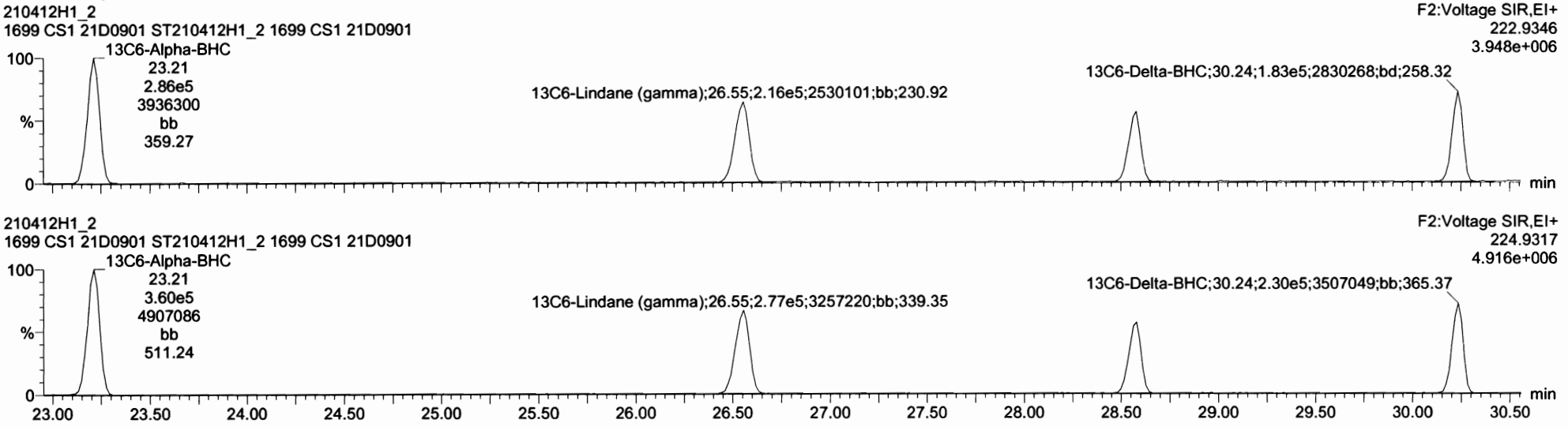
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_2, Date: 12-Apr-2021, Time: 15:48:16, ID: ST210412H1_2 1699 CS1 21D0901, Description: 1699 CS1 21D0901

BHC Totals



BHC-isotopes



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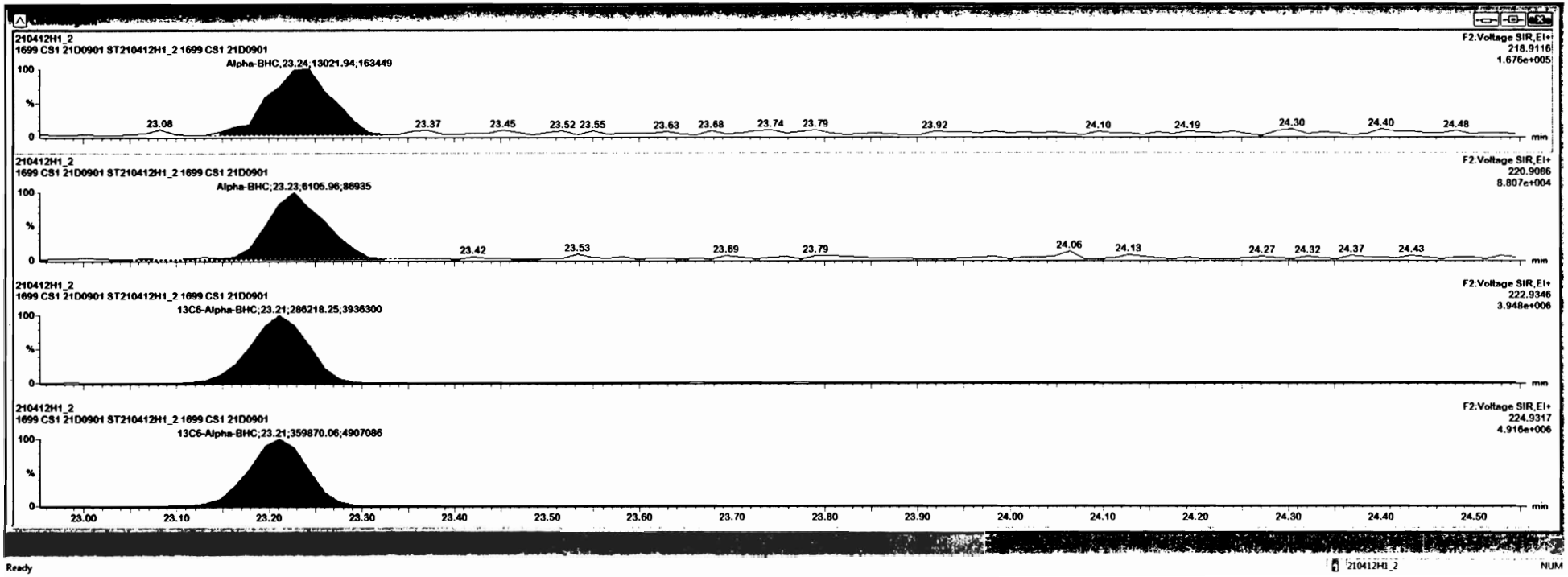
210412H1_2 - ST210412H1_2 1699 CS1 21D0901 - 1699 CS1 21D0901

	R...	Name	RT	RA	y/n	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
1	1	Hexachlorobutadiene	9.87	0.071	YES	5.4609e4	5.6050e6	10.000	376.1	188	0.102	0.192
2	2	Hexachlorobenzene	22.69	1.339	NO	7.7153e4	2.2366e6	2.000	-12.3	6.54	0.984	0.0643
3	3	[illegible]	[illegible]	[illegible]	NO	[illegible]	[illegible]	2.000	[illegible]	[illegible]	0.827	[illegible]
4	4	Lindane (gamma-BHC)	26.59	2.171	NO	1.6773e4	4.9372e5	2.000	-1.2	2.24	0.860	0.0193
5	5	Beta-BHC	28.59	2.397	NO	1.3845e4	3.6316e5	2.000	-4.5	2.77	0.998	0.0276
6	6	Delta-BHC	30.25	2.097	NO	1.2659e4	4.1262e5	2.000	-15.5	8.00	0.907	0.0726
7	7	Heptachlor	28.74	1.119	NO	1.4982e4	3.7232e5	2.000	-8.5	5.04	1.10	0.0555
8	8	4,4'-DDNU	30.17	3.407	NO	1.9527e4	4.1262e5	2.000	-5.4	4.36	1.25	0.0545
9	9	Aldrin	30.83	1.540	NO	1.5526e4	3.9819e5	2.000	-10.7	6.30	1.09	0.0688
10	10	Oxychlordane	33.37	1.797	NO	3.6178e3	1.0676e5	2.000	-19.9	10.1	1.06	0.107
11	11	cis-Heptachlor Epoxide	34.16	1.275	NO	4.3889e3	1.2511e5	2.000	-18.5	9.37	1.08	0.101
12	12	trans-Heptachlor Epoxide	34.65	1.657	NO	1.3634e3	1.2511e5	2.000	-6.3	3.76	0.291	0.0109

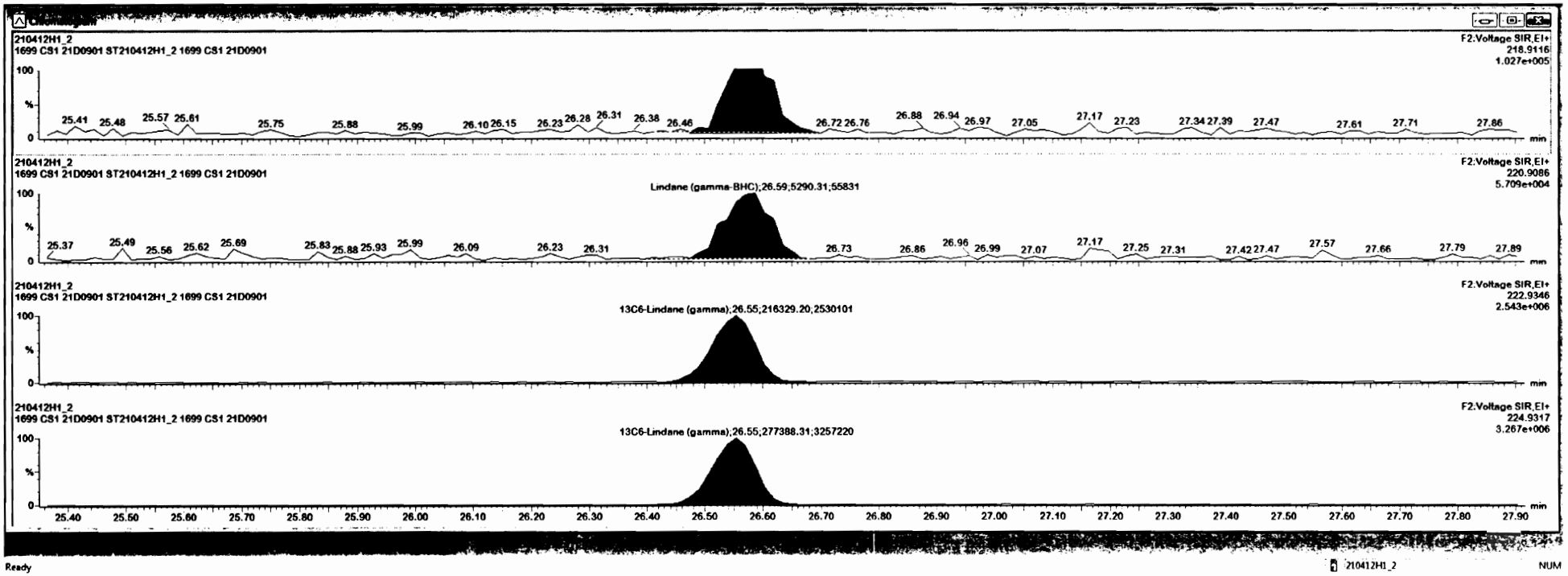


Ready 210412H1_2 NUM

File Edit View Display Processing Window Help

210412H1_2 - ST210412H1_2 1699 CS1 21D0901 - 1699 CS1 21D0901

	R...	Name	RT	RA	y/n	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
1	1	Hexachlorobutadiene	9.97	0.071	YES	5.4609e4	5.6050e6	10.000	376.1	188	0.102	0.192
2	2	Hexachlorobenzene	22.69	1.339	NO	7.7153e4	2.2366e6	2.000	-12.3	6.54	0.984	0.0643
3	3	Alpha-BHC	23.24	2.133	NO	1.9128e4	6.4809e5	2.000	-10.5	5.60	0.827	0.0463
4	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	5	Beta-BHC	28.59	2.397	NO	1.3845e4	3.6316e5	2.000	-4.5	2.77	0.998	0.0276
6	6	Delta-BHC	30.25	2.097	NO	1.2659e4	4.1262e5	2.000	-15.5	8.00	0.907	0.0726
7	7	Heptachlor	28.74	1.119	NO	1.4982e4	3.7232e5	2.000	-8.5	5.04	1.10	0.0555
8	8	4,4'-DDNU	30.17	3.407	NO	1.9527e4	4.1262e5	2.000	-5.4	4.38	1.25	0.0545
9	9	Aldrin	30.83	1.540	NO	1.5526e4	3.9819e5	2.000	-10.7	6.30	1.09	0.0688
10	10	Oxychlordane	33.37	1.797	NO	3.6178e3	1.0876e5	2.000	-19.9	10.1	1.06	0.107
11	11	cis-Heptachlor Epoxide	34.16	1.275	NO	4.3889e3	1.2511e5	2.000	-18.5	9.37	1.08	0.101
12	12	trans-Heptachlor Epoxide	34.65	1.657	NO	1.3634e3	1.2511e5	2.000	-6.3	3.76	0.291	0.0109



Ready 210412H1_2 NUM

TargetLynx - 210...

File Edit View Display Processing Window Help

210412H1_2 - ST210412H1_2 1699 CS1 21D0901 - 1699 CS1 21D0901

	R...	Name	RT	RA	y/n	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
1	1	Hexachlorobutadiene	9.97	0.071	YES	5.4609e4	5.6050e6	10.000	376.1	188	0.102	0.192
2	2	Hexachlorobenzene	22.69	1.339	NO	7.7153e4	2.2366e6	2.000	-12.3	6.54	0.984	0.0643
3	3	Alpha-BHC	23.24	2.133	NO	1.9128e4	6.4609e5	2.000	-10.5	5.60	0.827	0.0463
4	4	Lindane (gamma-BHC)	26.59	2.171	NO	1.6773e4	4.9372e5	2.000	-1.2	2.24	0.860	0.0193
5	5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	6	Delta-BHC	30.25	2.097	NO	1.2659e4	4.1262e5	2.000	-15.5	8.00	0.907	0.0726
7	7	Heptachlor	28.74	1.119	NO	1.4962e4	3.7232e5	2.000	-8.5	5.04	1.10	0.0555
8	8	4,4'-DDNU	30.17	3.407	NO	1.9527e4	4.1262e5	2.000	-5.4	4.36	1.25	0.0545
9	9	Aldrin	30.83	1.540	NO	1.5526e4	3.9819e5	2.000	-10.7	6.30	1.09	0.0688
10	10	Oxychlordane	33.37	1.797	NO	3.6178e3	1.0676e5	2.000	-19.9	10.1	1.06	0.107
11	11	cis-Heptachlor Epoxide	34.16	1.275	NO	4.3889e3	1.2511e5	2.000	-18.5	9.37	1.08	0.101
12	12	trans-Heptachlor Epoxide	34.65	1.657	NO	1.3634e3	1.2511e5	2.000	-6.3	3.76	0.291	0.0109

Chromatogram

210412H1_2
1699 CS1 21D0901 ST210412H1_2 1699 CS1 21D0901
F2:Voltage SIR,EI+
218.9116
1.536e+005
Beta-BHC,28.59,9769.10,148526

210412H1_2
1699 CS1 21D0901 ST210412H1_2 1699 CS1 21D0901
F2:Voltage SIR,EI+
220.9086
7.342e+004
Beta-BHC
28.59
4076.22
71959

210412H1_2
1699 CS1 21D0901 ST210412H1_2 1699 CS1 21D0901
F2:Voltage SIR,EI+
222.9346
2.235e+006
13C6-Beta-BHC,28.58,160481.27,2221506

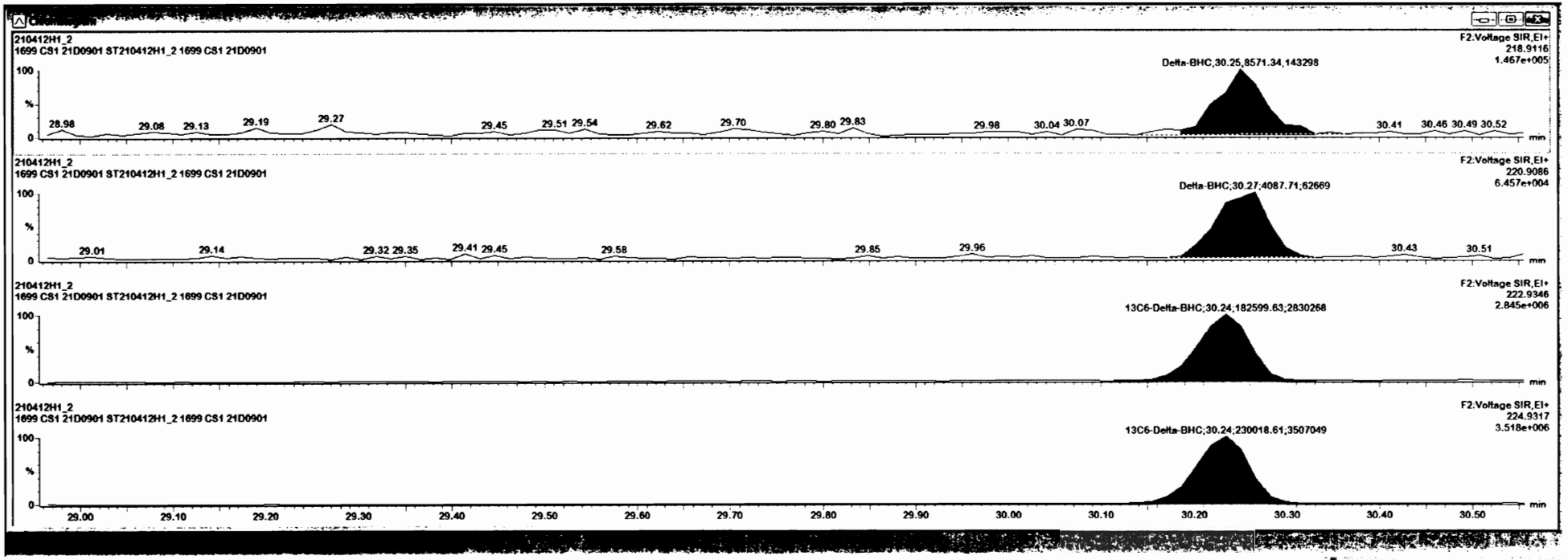
210412H1_2
1699 CS1 21D0901 ST210412H1_2 1699 CS1 21D0901
F2:Voltage SIR,EI+
224.9317
2.793e+006
13C6-Beta-BHC,28.58,202674.47,2784356

Ready 210412H1_2 NUM

File Edit View Display Processing Window Help

210412H1_2 - ST210412H1_2 1699 CS1 21D0901 - 1699 CS1 21D0901

	#	Name	RT	RA	y/n	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
1	1	Hexachlorobutadiene	9.97	0.071	YES	5.4609e4	5.6050e6	10.000	376.1	188	0.102	0.192
2	2	Hexachlorobenzene	22.69	1.339	NO	7.7153e4	2.2366e6	2.000	-12.3	6.54	0.984	0.0643
3	3	Alpha-BHC	23.24	2.133	NO	1.9128e4	6.4609e5	2.000	-10.5	5.60	0.827	0.0463
4	4	Lindane (gamma-BHC)	26.59	2.171	NO	1.6773e4	4.9372e5	2.000	-1.2	2.24	0.860	0.0193
5	5	Beta-BHC	28.59	2.397	NO	1.3845e4	3.6316e5	2.000	-4.5	2.77	0.998	0.0276
6	6	[illegible]	[illegible]	[illegible]	NO	[illegible]	[illegible]	[illegible]	-15.5	0.00	0.907	0.0726
7	7	Heptachlor	28.74	1.119	NO	1.4982e4	3.7232e5	2.000	-8.5	5.04	1.10	0.0555
8	8	4,4'-DDNU	30.17	3.407	NO	1.9527e4	4.1262e5	2.000	-5.4	4.36	1.25	0.0545
9	9	Aldrin	30.83	1.540	NO	1.5526e4	3.9819e5	2.000	-10.7	6.30	1.09	0.0688
10	10	Oxychlordane	33.37	1.797	NO	3.6178e3	1.0876e5	2.000	-19.9	10.1	1.06	0.107
11	11	cis-Heptachlor Epoxide	34.16	1.275	NO	4.3889e3	1.2511e5	2.000	-18.5	9.37	1.08	0.101
12	12	trans-Heptachlor Epoxide	34.65	1.657	NO	1.3634e3	1.2511e5	2.000	-6.3	3.76	0.291	0.0109



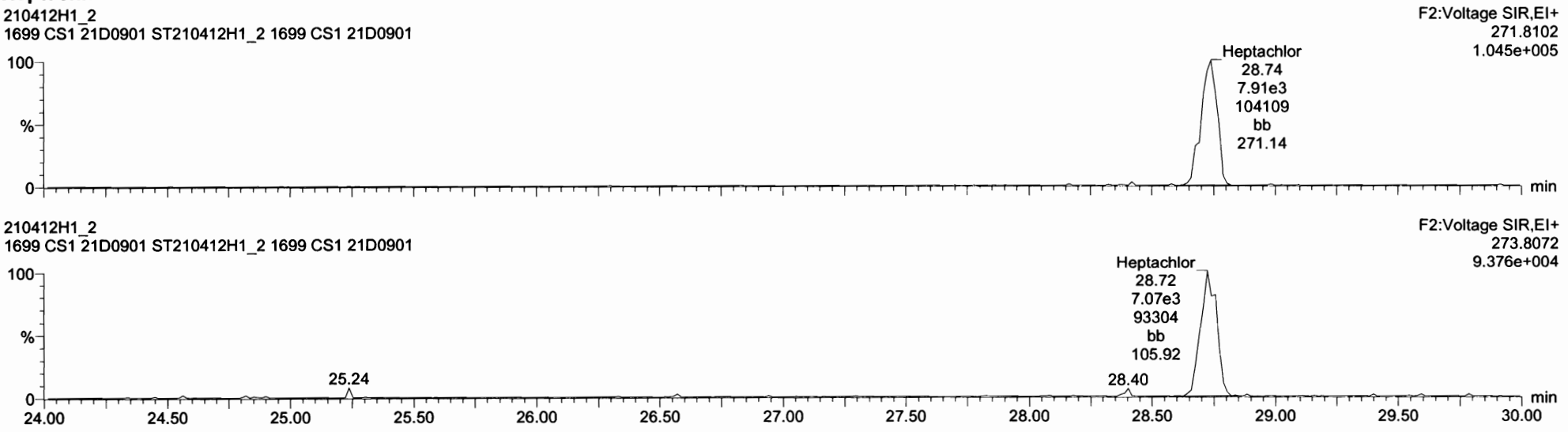
Ready 210412H1_2 NUM

Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

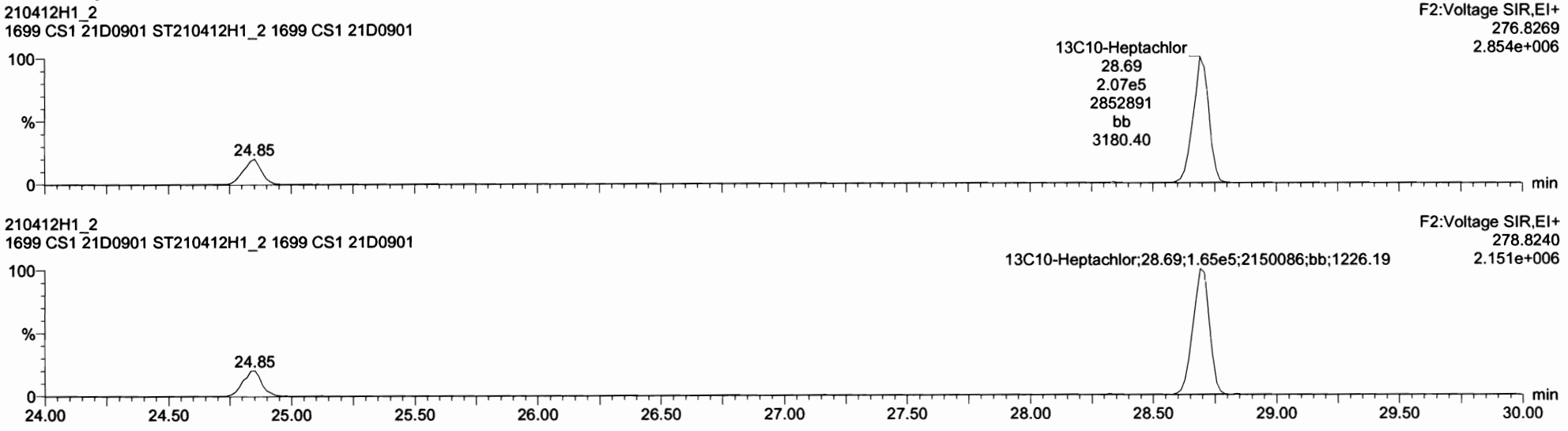
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_2, Date: 12-Apr-2021, Time: 15:48:16, ID: ST210412H1_2 1699 CS1 21D0901, Description: 1699 CS1 21D0901

Heptachlor



13C10-Heptachlor

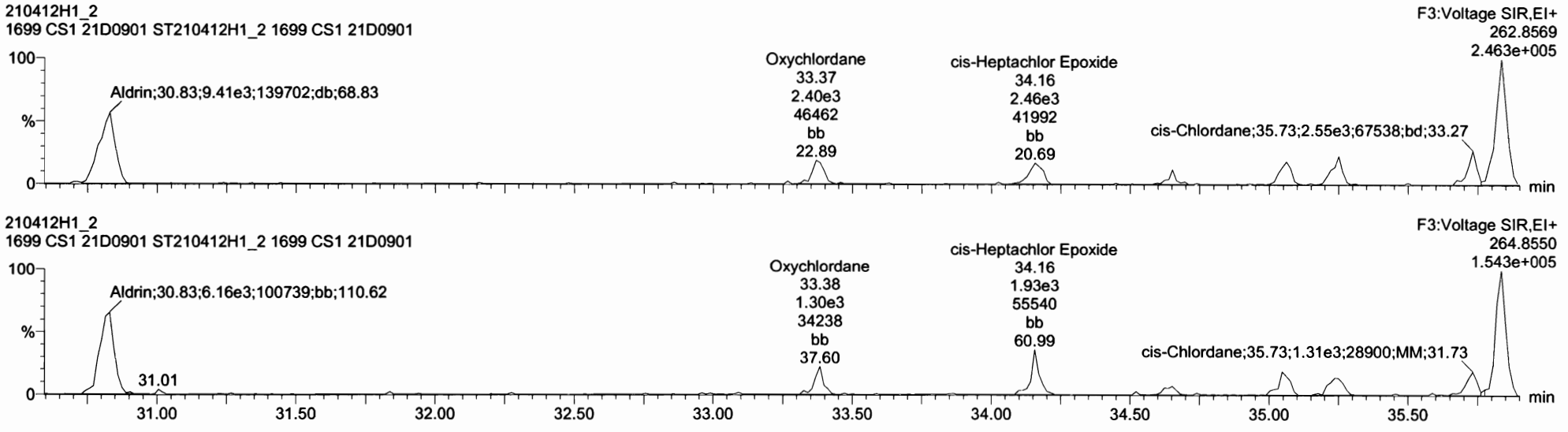


Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

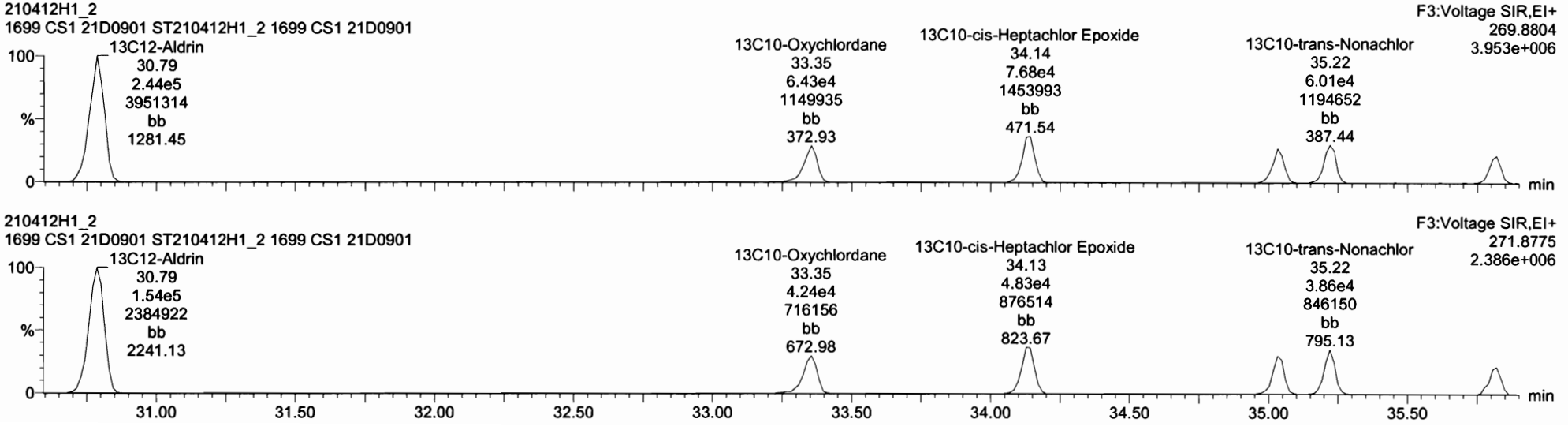
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_2, Date: 12-Apr-2021, Time: 15:48:16, ID: ST210412H1_2 1699 CS1 21D0901, Description: 1699 CS1 21D0901

Aldrin-EI



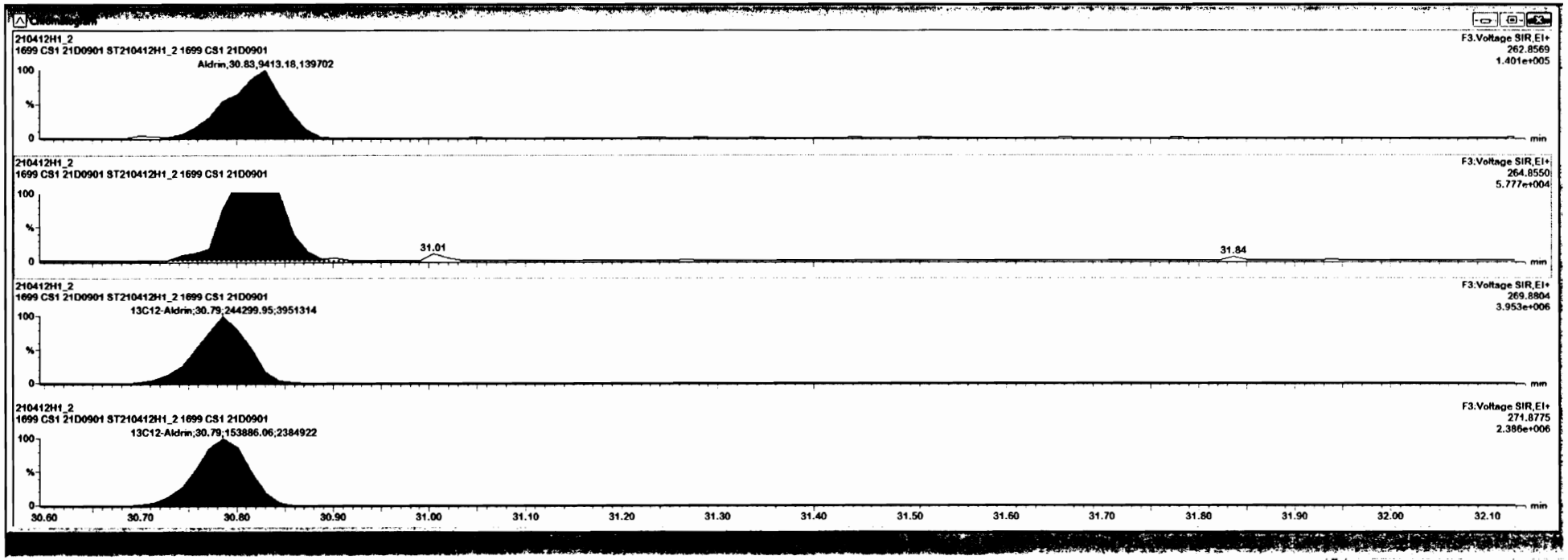
Aldrin-EI-isotopes



File Edit View Display Processing Window Help

210412H1_2 - ST210412H1_2 1699 CS1 21D0901 - 1699 CS1 21D0901

	R..	Name	RT	RA	y/n	Area	IS Area	Std Conc	%Dev	%RSD	RRF M...	RRF SD
1	1	Hexachlorobutadiene	9.97	0.071	YES	5.4609e4	5.6050e6	10.000	376.1	188	0.102	0.192
2	2	Hexachlorobenzene	22.69	1.339	NO	7.7153e4	2.2366e6	2.000	-12.3	6.54	0.984	0.0643
3	3	Alpha-BHC	23.24	2.133	NO	1.9128e4	6.4609e5	2.000	-10.5	5.60	0.827	0.0463
4	4	Lindane (gamma-BHC)	28.59	2.171	NO	1.6773e4	4.9372e5	2.000	-1.2	2.24	0.860	0.0193
5	5	Beta-BHC	28.59	2.397	NO	1.3845e4	3.6316e5	2.000	-4.5	2.77	0.998	0.0276
6	6	Delta-BHC	30.25	2.097	NO	1.2659e4	4.1262e5	2.000	-15.5	8.00	0.907	0.0726
7	7	Heptachlor	28.74	1.119	NO	1.4982e4	3.7232e5	2.000	-8.5	5.04	1.10	0.0555
8	8	4,4'-DDNU	30.17	3.407	NO	1.9527e4	4.1262e5	2.000	-5.4	4.36	1.25	0.0545
9	9	[illegible]	[illegible]	[illegible]	NO	[illegible]	[illegible]	2.500	-10.7	8.30	1.09	0.0898
10	10	Oxychlordane	33.37	1.797	NO	3.6178e3	1.0676e5	2.000	-19.9	10.1	1.06	0.107
11	11	cis-Heptachlor Epoxide	34.16	1.275	NO	4.3889e3	1.2511e5	2.000	-18.5	9.37	1.08	0.101
12	12	trans-Heptachlor Epoxide	34.65	1.657	NO	1.3634e3	1.2511e5	2.000	-6.3	3.76	0.291	0.0109



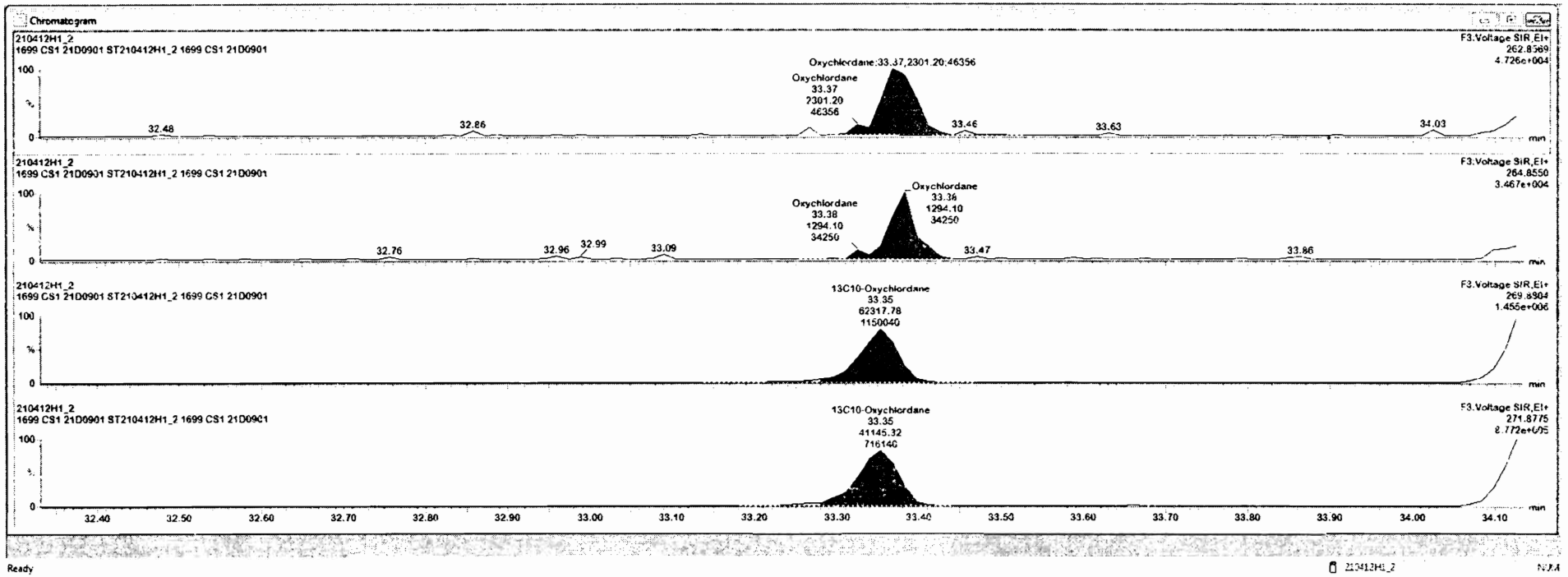
Ready 210412H1_2 NUM

Target.pnx - 210412H1_CRV.qld

File Edit View Display Processing Window Help

210412H1_2 - ST210412H1_2 1699 CS1 21D0901 - 1699 CS1 21D0901

	Is	Name	RT	RA	y/n	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
9	9	Lindane	32.83	1.542	NO	1.5526e4	3.9819e5	2.000	-10.7	8.20	1.09	0.0838
10	10	Oxychlordane	33.37	1.776	NO	3.5953e3	1.0346e5	2.000	-16.2	9.52	1.06	0.0989
11	11	cis-Heptachlor Epoxide	33.18	1.275	NO	4.3665e3	1.2511e5	2.000	-16.5	9.37	1.06	0.1001
12	12	trans-Heptachlor Epoxide	34.85	1.667	NO	1.3734e3	1.2011e5	2.000	-46.3	3.76	0.291	0.0109
13	13	trans-Chlordane (gamma)	35.06	1.526	NO	1.5466e3	5.6231e4	2.000	-9.5	6.43	1.14	0.0737
14	14	trans-Nonachlor	35.25	1.831	NO	3.7445e3	9.5697e4	2.000	-10.4	9.17	1.08	0.0987
15	15	cis-Chlordane	35.73	1.934	NO	9.8853e3	9.8697e4	2.000	-15.9	7.83	1.16	0.0924
16	16	Endosulfan II alpha	35.83	1.667	NO	1.6248e4	6.7051e4	10.000	-10.7	11.0	1.20	0.135
17	17	4,4'-DDMU	35.47	2.051	NO	4.9176e4	2.3236e5	20.000	-87.1			
18	18	2,4'-DDE	35.70	1.725	NO	9.2122e4	2.3236e5	2.000	-3.3	2.26	1.02	0.0336
19	19	4,4'-DDE	36.77	1.501	NO	6.2910e4	1.9538e5	2.000	-8.4	5.35	1.04	0.0959
20	20	Dieldrin	37.23	1.600	NO	8.9269e3	2.4541e5	2.000	-15.8	8.47	1.03	0.0872



Ready

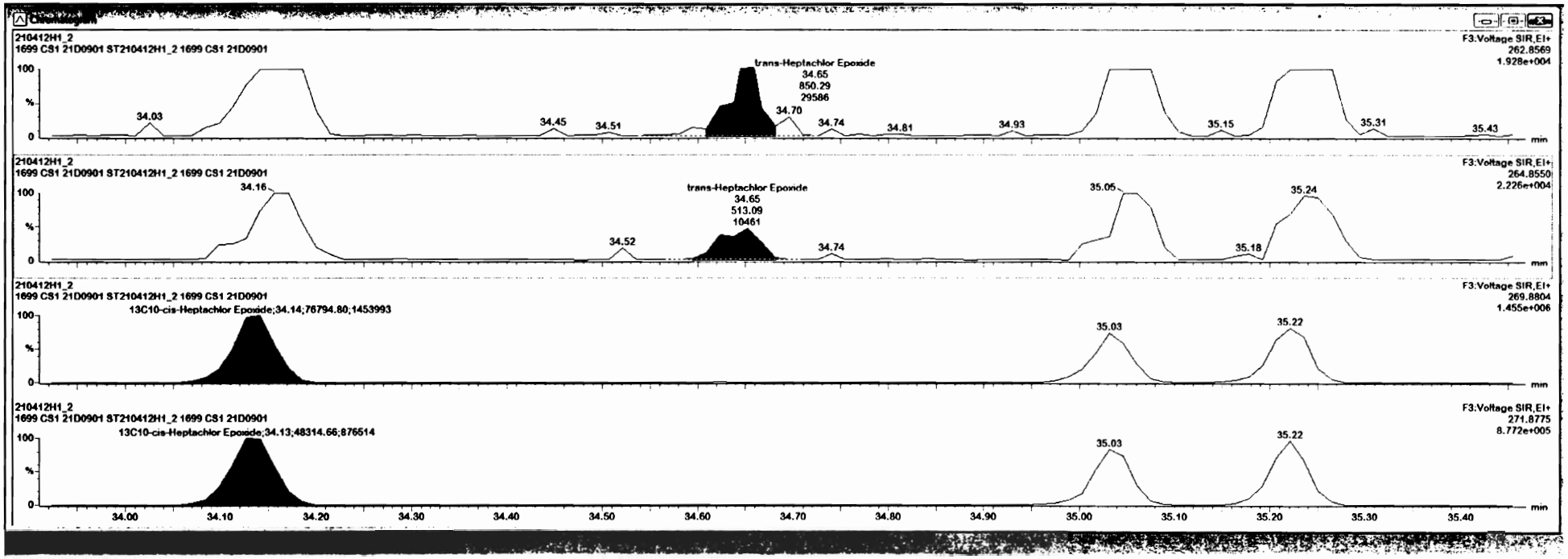
210412H1_2

TargetLynx - 210

File Edit View Display Processing Window Help

210412H1_2 - ST210412H1_2 1699 CS1 21D0901 - 1699 CS1 21D0901

	R...	Name	RT	RA	y/n	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
1	1	Hexachlorobutadiene	9.97	0.071	YES	5.4609e4	5.6050e6	10.000	376.1	188	0.102	0.192
2	2	Hexachlorobenzene	22.69	1.339	NO	7.7153e4	2.2366e6	2.000	-12.3	6.54	0.984	0.0643
3	3	Alpha-BHC	23.24	2.133	NO	1.9128e4	6.4609e5	2.000	-10.5	5.60	0.827	0.0463
4	4	Lindane (gamma-BHC)	26.59	2.171	NO	1.6773e4	4.9372e5	2.000	-1.2	2.24	0.860	0.0193
5	5	Beta-BHC	28.59	2.397	NO	1.3845e4	3.6316e5	2.000	-4.5	2.77	0.998	0.0276
6	6	Delta-BHC	30.25	2.097	NO	1.2659e4	4.1262e5	2.000	-15.5	8.00	0.907	0.0726
7	7	Heptachlor	28.74	1.119	NO	1.4982e4	3.7232e5	2.000	-8.5	5.04	1.10	0.0555
8	8	4,4'-DDNU	30.17	3.407	NO	1.9527e4	4.1262e5	2.000	-5.4	4.36	1.25	0.0545
9	9	Aldrin	30.83	1.540	NO	1.5526e4	3.9819e5	2.000	-10.7	6.30	1.09	0.0688
10	10	Oxychlordane	33.37	1.797	NO	3.6178e3	1.0876e5	2.000	-19.9	10.1	1.06	0.107
11	11	cis-Heptachlor Epoxide	34.16	1.275	NO	4.3889e3	1.2511e5	2.000	-18.5	9.37	1.08	0.101
12	12	trans-Heptachlor Epoxide	34.65	1.687	NO	[illegible]	[illegible]	2.000	-8.3	3.76	0.291	0.0100



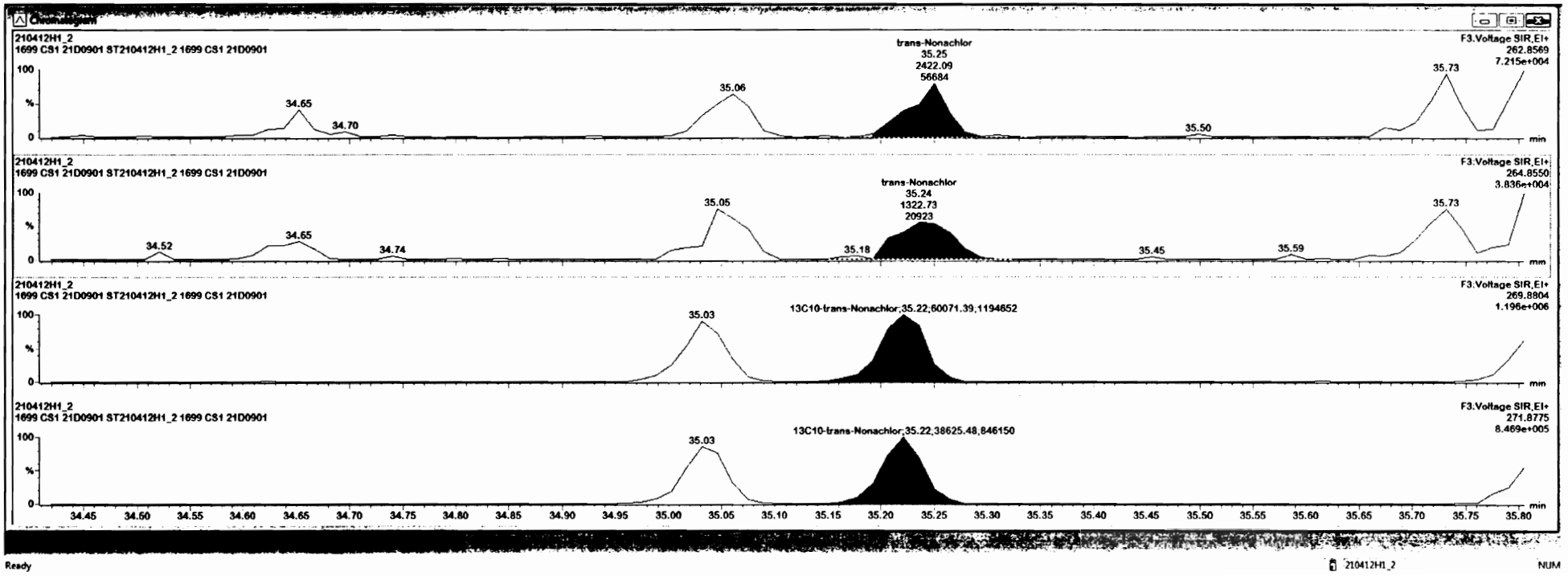
Ready 210412H1_2 NUM

TargetLynx - 210412H1_2

File Edit View Display Processing Window Help

210412H1_2 - ST210412H1_2 1699 CS1 21D0901 - 1699 CS1 21D0901

	#	Name	RT	RA	y/n	Area	IS Area	Std Conc	%Dev	%RSD	RRF M...	RRF SD
14	14	trans-Nonachlor	35.25	1.891	NO	2.744e3	9.869e4	2.000	-10.4	5.17	1.08	0.0547
15	15	cis-Chlordane	35.73	1.943	NO	3.8590e3	9.8697e4	2.000	-16.0	7.99	1.16	0.0930
16	16	Endosulfan I (alpha)	35.83	1.687	NO	1.8245e4	6.7058e4	10.000	10.7	11.0	1.23	0.135
17	17	4,4'-DDMU	35.47	3.051	NO	4.9176e4	2.3236e6	20.000	-87.1			
18	18	2,4'-DDE	35.70	1.335	NO	9.2122e4	2.3236e6	2.000	-3.3	3.28	1.02	0.0336
19	19	4,4'-DDE	36.77	1.501	NO	6.2910e4	1.6538e6	2.000	-8.4	5.39	1.04	0.0559
20	20	Dieldrin	37.29	1.600	NO	8.5289e3	2.4541e5	2.000	-15.6	8.47	1.03	0.0872
21	21	Endrin	38.67	1.491	NO	6.9672e3	1.9686e5	2.000	-12.2	6.73	1.01	0.0678
22	22	cis-Nonachlor	38.96	1.243	NO	4.2447e3	1.3002e5	2.000	-18.4	9.43	1.00	0.0944
23	23	Endosulfan II (beta)	39.69	1.331	NO	9.9668e3	3.9147e4	10.000	18.9	13.8	1.07	0.147
24	24	2,4'-DDD	37.90	1.424	NO	8.7093e4	2.1754e6	2.000	-6.1	4.76	1.07	0.0507
25	25	2,4'-DDT	39.02	1.361	NO	6.1357e4	1.5692e6	2.000	-6.6	5.20	1.05	0.0544



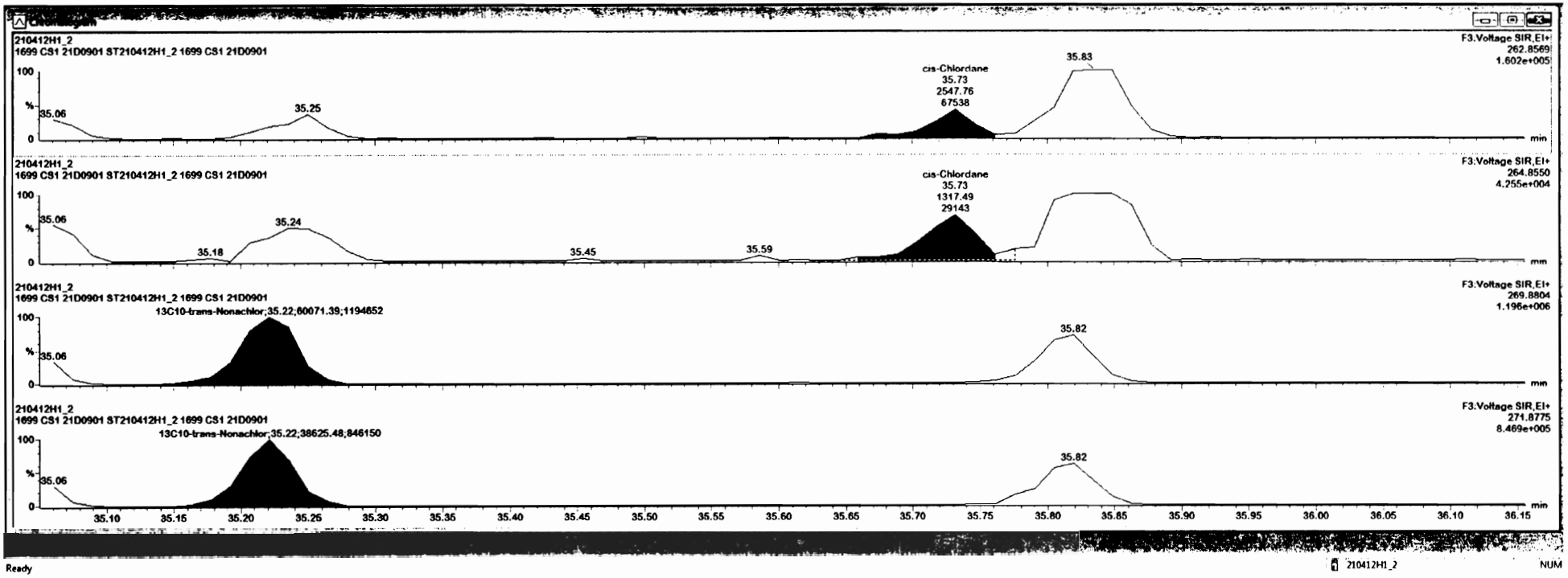
Ready 210412H1_2 NUM

TargetLynx - 210412

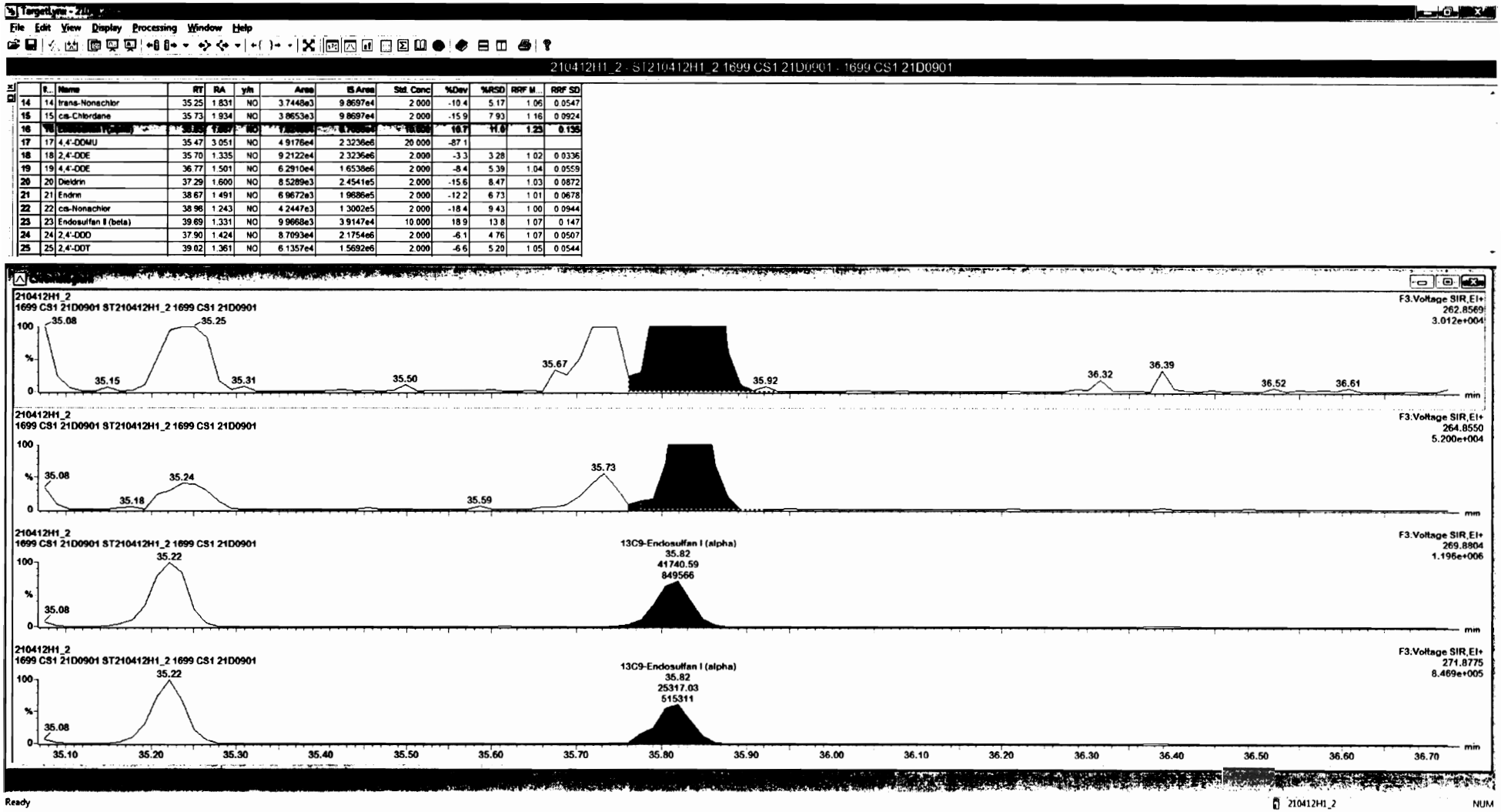
File Edit View Display Processing Window Help

210412H1_2 - ST210412H1_2 1699 CS1 21D0901 - 1699 CS1 21D0901

	I...	Name	RT	RA	y/n	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
14	14	trans-Nonachlor	35.25	1.831	NO	3.7448e3	9.8697e4	2.000	-10.4	5.17	1.06	0.0547
15	15	cis-Chlordane	35.73	1.804	NO	[illegible]	[illegible]	2.000	-15.9	7.93	1.16	0.0924
16	16	Endosulfan I (alpha)	35.83	1.687	NO	1.8245e4	6.7058e4	10.000	10.7	11.0	1.23	0.135
17	17	4,4'-DDMU	35.47	3.051	NO	4.9176e4	2.3236e6	20.000	-87.1			
18	18	2,4'-DDE	35.70	1.335	NO	9.2122e4	2.3236e6	2.000	-3.3	3.28	1.02	0.0336
19	19	4,4'-DDE	36.77	1.501	NO	6.2910e4	1.6538e6	2.000	-8.4	5.39	1.04	0.0559
20	20	Dieldrin	37.29	1.600	NO	8.5289e3	2.4541e5	2.000	-15.6	8.47	1.03	0.0872
21	21	Endrin	38.67	1.491	NO	6.9672e3	1.9686e5	2.000	-12.2	6.73	1.01	0.0678
22	22	cis-Nonachlor	38.98	1.243	NO	4.2447e3	1.3002e5	2.000	-18.4	9.43	1.00	0.0944
23	23	Endosulfan II (beta)	39.69	1.331	NO	9.9668e3	3.9147e4	10.000	18.9	13.8	1.07	0.147
24	24	2,4'-DDD	37.90	1.424	NO	8.7093e4	2.1754e6	2.000	-6.1	4.76	1.07	0.0507
25	25	2,4'-DDT	39.02	1.361	NO	6.1357e4	1.5692e6	2.000	-6.6	5.20	1.05	0.0544



Ready 210412H1_2 NUM



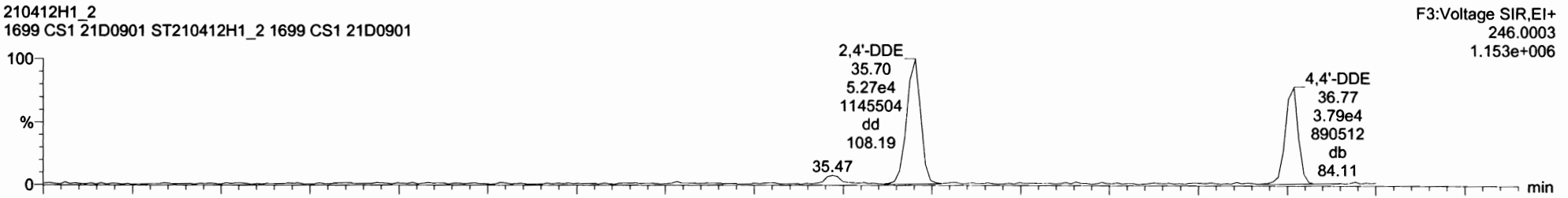
	R...	Name	RT	RA	y/n	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
14	14	trans-Nonachlor	35.25	1.831	NO	3.7448e3	9.8697e4	2.000	-10.4	5.17	1.06	0.0547
15	15	cis-Chlordane	35.73	1.934	NO	3.8653e3	9.8697e4	2.000	-15.9	7.93	1.16	0.0924
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	10.7	11.0	1.25	0.135
17	17	4,4'-DDMU	35.47	3.051	NO	4.9176e4	2.3236e6	20.000	-87.1			
18	18	2,4'-DDE	35.70	1.335	NO	9.2122e4	2.3236e6	2.000	-3.3	3.28	1.02	0.0336
19	19	4,4'-DDE	36.77	1.501	NO	6.2910e4	1.6538e6	2.000	-8.4	5.39	1.04	0.0559
20	20	Dieldrin	37.29	1.600	NO	8.5289e3	2.4541e5	2.000	-15.6	8.47	1.03	0.0872
21	21	Endrin	38.67	1.491	NO	6.9672e3	1.9686e5	2.000	-12.2	6.73	1.01	0.0678
22	22	cis-Nonachlor	38.98	1.243	NO	4.2447e3	1.3002e5	2.000	-18.4	9.43	1.00	0.0944
23	23	Endosulfan II (beta)	39.69	1.331	NO	9.9668e3	3.9147e4	10.000	18.9	13.8	1.07	0.147
24	24	2,4'-DDD	37.90	1.424	NO	8.7093e4	2.1754e6	2.000	-6.1	4.76	1.07	0.0507
25	25	2,4'-DDT	39.02	1.361	NO	6.1357e4	1.5692e6	2.000	-6.6	5.20	1.05	0.0544

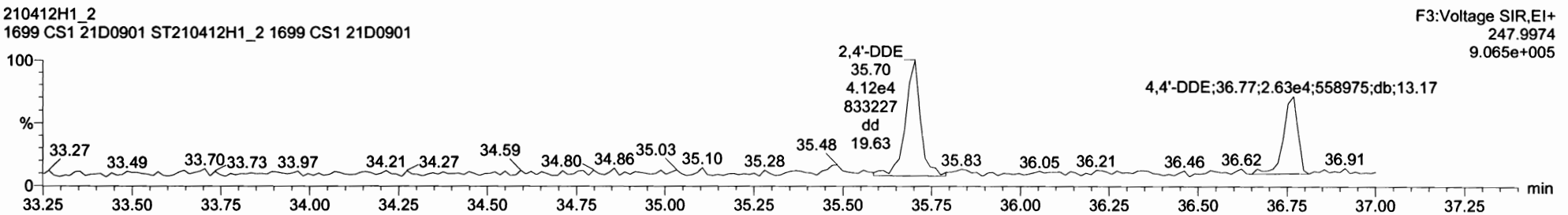
Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

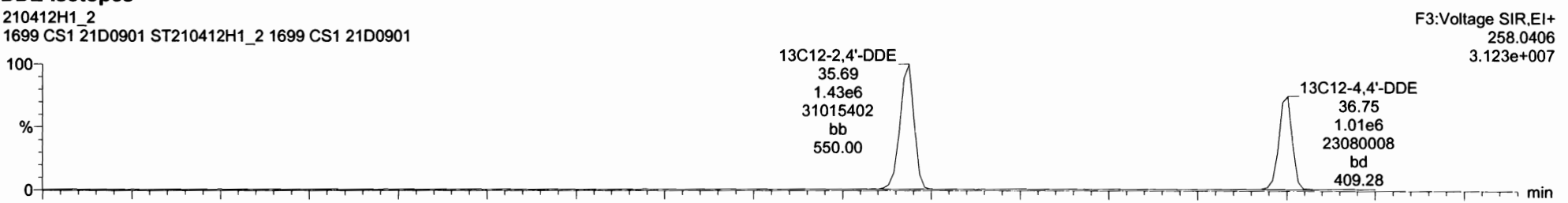
Name: 210412H1_2, Date: 12-Apr-2021, Time: 15:48:16, ID: ST210412H1_2 1699 CS1 21D0901, Description: 1699 CS1 21D0901

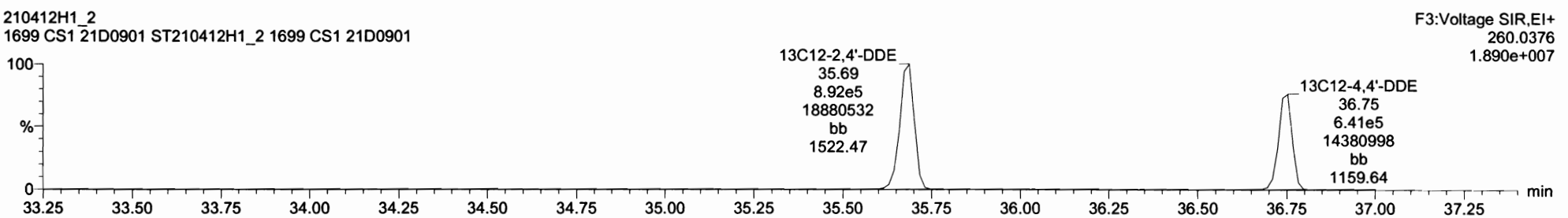
DDMU-DDE





DDE-isotopes

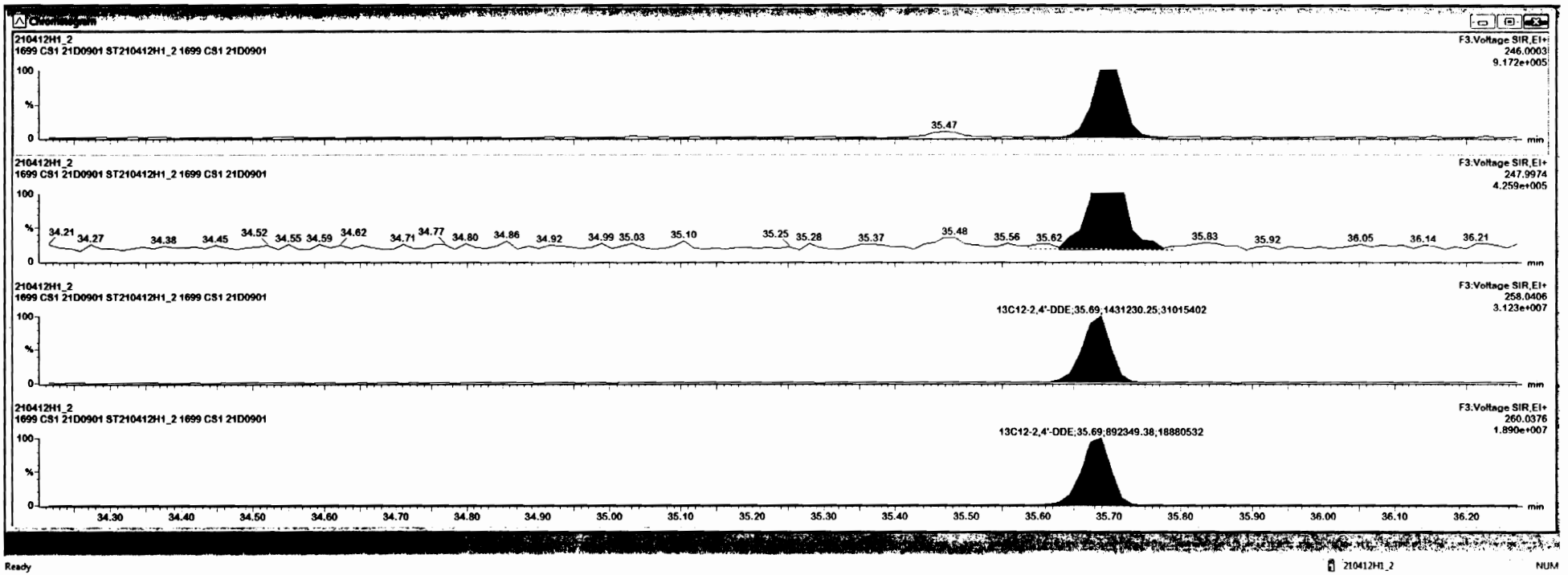




File Edit View Display Processing Window Help

210412H1_2 - ST210412H1_2 1699 CS1 21D0901 - 1699 CS1 21D0901

	It...	Name	RT	RA	y/n	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
14	14	trans-Nonachlor	35.25	1.831	NO	3.7448e3	9.8697e4	2.000	-10.4	5.17	1.06	0.0547
15	15	cis-Chlordane	35.73	1.934	NO	3.8653e3	9.8697e4	2.000	-15.9	7.93	1.16	0.0924
16	16	Endosulfan I (alpha)	35.83	1.687	NO	1.8245e4	6.7058e4	10.000	10.7	11.0	1.23	0.135
17	17	4,4'-DDMU	35.47	3.051	NO	4.9178e4	2.3236e6	20.000	-87.1			
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	19	4,4'-DDE	36.77	1.501	NO	6.2910e4	1.6538e6	2.000	-8.4	5.39	1.04	0.0559
20	20	Dieldrin	37.29	1.600	NO	8.5289e3	2.4541e5	2.000	-15.6	8.47	1.03	0.0872
21	21	Endrin	38.67	1.491	NO	6.9672e3	1.9886e5	2.000	-12.2	6.73	1.01	0.0678
22	22	cis-Nonachlor	38.98	1.243	NO	4.2447e3	1.3002e5	2.000	-18.4	9.43	1.00	0.0944
23	23	Endosulfan II (beta)	39.69	1.331	NO	9.9668e3	3.9147e4	10.000	18.9	13.8	1.07	0.147
24	24	2,4'-DDD	37.90	1.424	NO	8.7093e4	2.1754e6	2.000	-6.1	4.76	1.07	0.0507
25	25	2,4'-DDT	39.02	1.361	NO	6.1357e4	1.5692e6	2.000	-6.6	5.20	1.05	0.0544



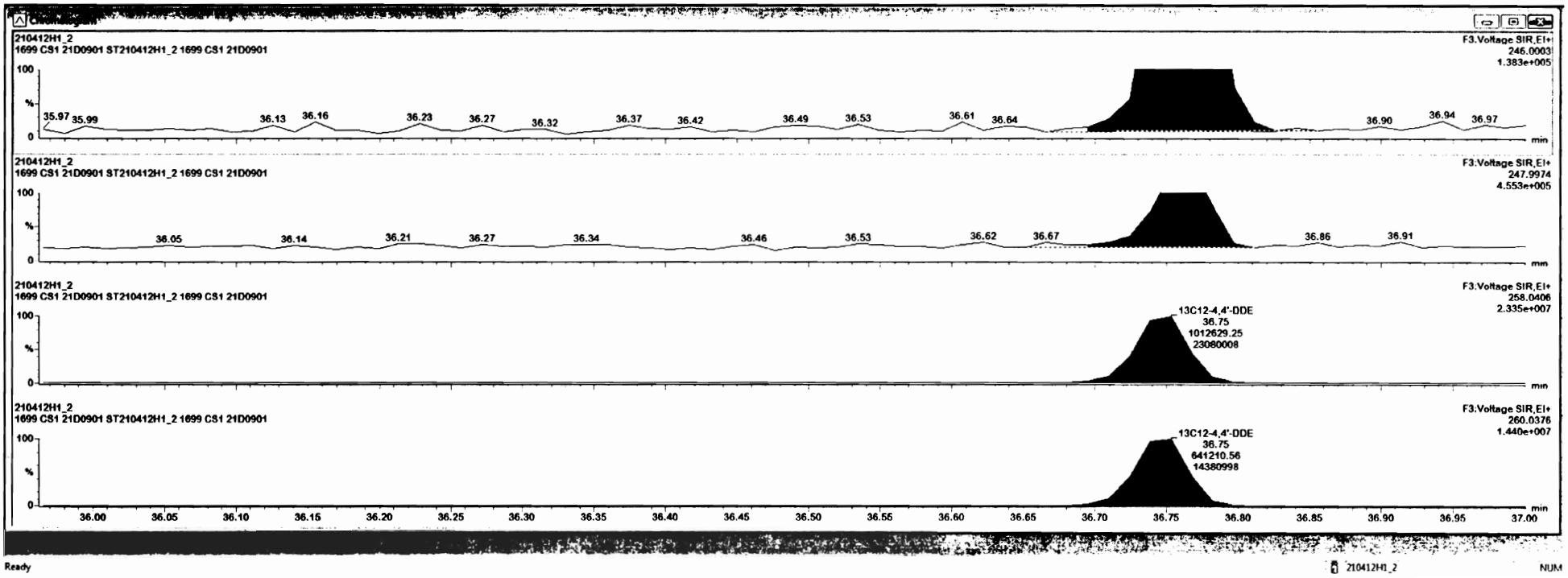
Ready 210412H1_2 NUM

TargetLynx - 210...

File Edit View Display Processing Window Help

210412H1_2 - ST210412H1_2 1699 CS1 21D0901 - 1699 CS1 21D0901

	I...	Name	RT	RA	y/n	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
14	14	trans-Nonachlor	35.25	1.831	NO	3.7448e3	9.8697e4	2.000	-10.4	5.17	1.06	0.0547
15	15	cis-Chlordane	35.73	1.934	NO	3.8653e3	9.8697e4	2.000	-15.9	7.93	1.16	0.0924
16	16	Endosulfan I (alpha)	35.83	1.687	NO	1.8245e4	6.7058e4	10.000	10.7	11.0	1.23	0.135
17	17	4,4'-DDMU	35.47	3.051	NO	4.9176e4	2.3236e6	20.000	-87.1			
18	18	2,4'-DDE	35.70	1.335	NO	9.2122e4	2.3236e6	2.000	-3.3	3.28	1.02	0.0336
19	19	4,4'-DDE	36.77	1.501	NO	[illegible]	[illegible]	2.000	-8.4	5.39	1.04	0.0559
20	20	Dieldrin	37.29	1.600	NO	8.5289e3	2.4541e5	2.000	-15.6	8.47	1.03	0.0872
21	21	Endrin	38.67	1.491	NO	6.9672e3	1.9686e5	2.000	-12.2	6.73	1.01	0.0678
22	22	cis-Nonachlor	38.96	1.243	NO	4.2447e3	1.3002e5	2.000	-18.4	9.43	1.00	0.0944
23	23	Endosulfan II (beta)	39.69	1.331	NO	9.9668e3	3.9147e4	10.000	18.9	13.8	1.07	0.147
24	24	2,4'-DDD	37.90	1.424	NO	8.7093e4	2.1754e6	2.000	-6.1	4.76	1.07	0.0507
25	25	2,4'-DDT	39.02	1.361	NO	6.1357e4	1.5692e6	2.000	-6.6	5.20	1.05	0.0544



Ready 210412H1_2 NUM

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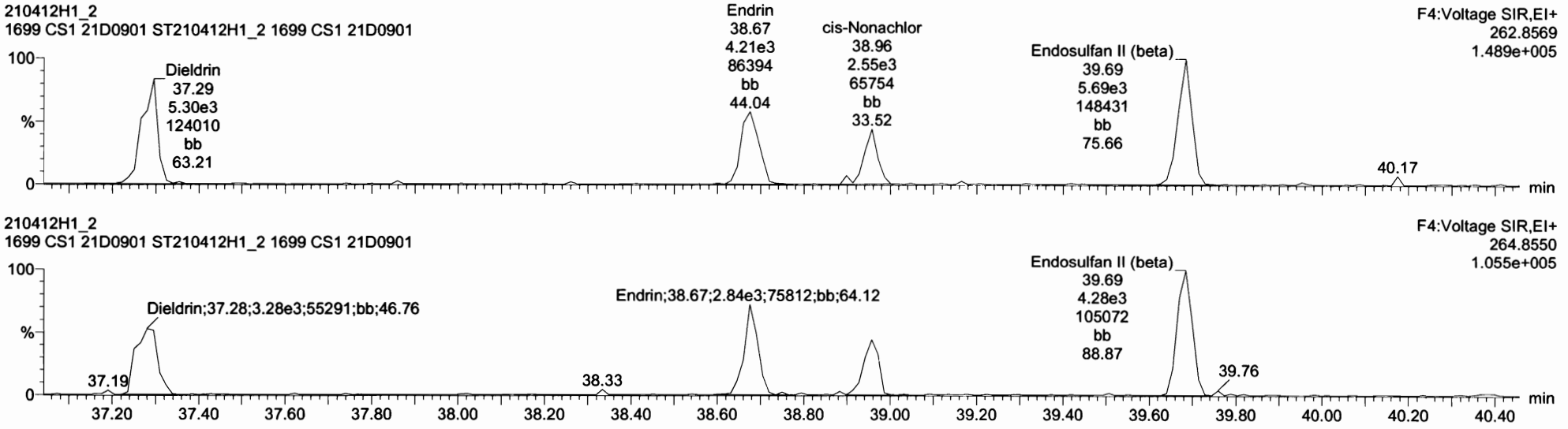
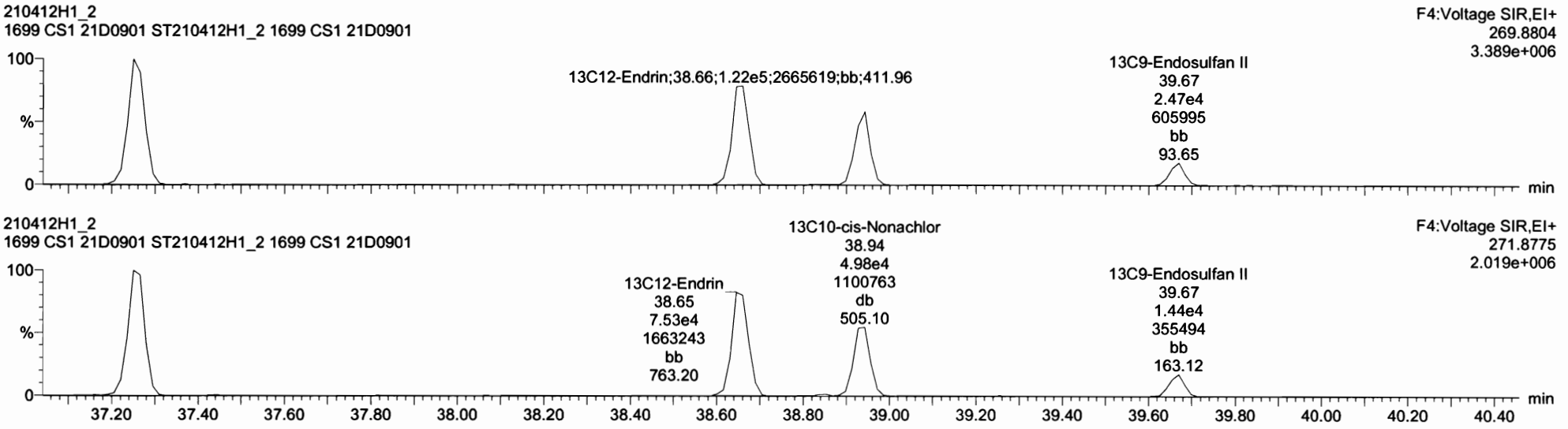
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_2, Date: 12-Apr-2021, Time: 15:48:16, ID: ST210412H1_2 1699 CS1 21D0901, Description: 1699 CS1 21D0901

Dieldrin-EII



Dieldrin-EII-isotopes

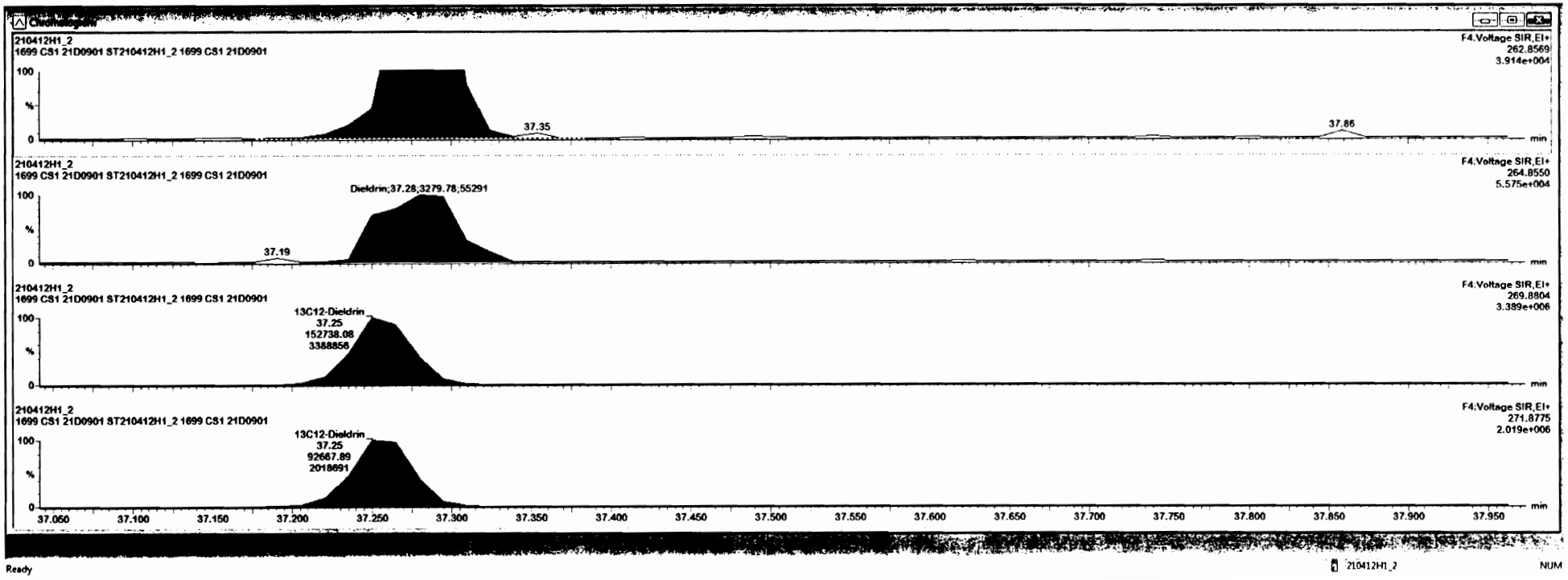


Target.ym - 210

File Edit View Display Processing Window Help

210412H1_2 - ST210412H1_2 1699 CS1 21D0901 - 1699 CS1 21D0901

	#...	Name	RT	RA	y/n	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
14	14	trans-Nonachlor	35.25	1.831	NO	3.7448e3	9.8697e4	2.000	-10.4	5.17	1.06	0.0547
15	15	cis-Chlordane	35.73	1.934	NO	3.8653e3	9.8697e4	2.000	-15.9	7.93	1.16	0.0924
16	16	Endosulfan I (alpha)	35.83	1.687	NO	1.8245e4	6.7058e4	10.000	10.7	11.0	1.23	0.135
17	17	4,4'-DDMU	35.47	3.051	NO	4.9176e4	2.3236e6	20.000	-87.1			
18	18	2,4'-DDE	35.70	1.335	NO	9.2122e4	2.3236e6	2.000	-3.3	3.28	1.02	0.0336
19	19	4,4'-DDE	36.77	1.501	NO	6.2910e4	1.6538e6	2.000	-8.4	5.39	1.04	0.0559
20	20	Dieldrin	37.28	1.000	NO	[illegible]	2.4641e6	2.000	-15.6	6.47	1.03	0.0672
21	21	Endrin	38.67	1.491	NO	6.9672e3	1.9686e5	2.000	-12.2	6.73	1.01	0.0678
22	22	cis-Nonachlor	38.96	1.243	NO	4.2447e3	1.3002e5	2.000	-18.4	9.43	1.00	0.0944
23	23	Endosulfan II (beta)	39.69	1.331	NO	9.9668e3	3.9147e4	10.000	18.9	13.8	1.07	0.147
24	24	2,4'-DDD	37.90	1.424	NO	8.7093e4	2.1754e6	2.000	-6.1	4.76	1.07	0.0507
25	25	2,4'-DDT	39.02	1.361	NO	6.1357e4	1.5692e6	2.000	-6.6	5.20	1.05	0.0544

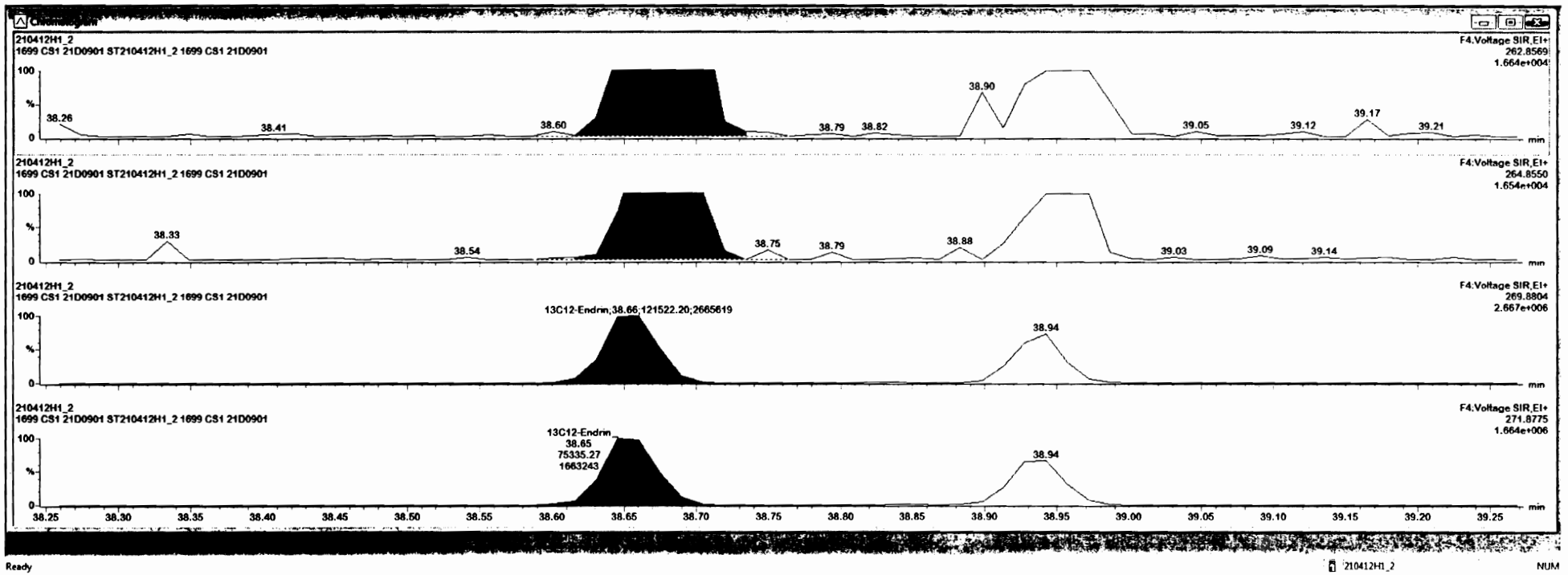


Ready 210412H1_2 NUM

File Edit View Display Processing Window Help

210412H1_2 - ST210412H1_2 1699 CS1 21D0901 - 1699 CS1 21D0901

	It..	Name	RT	RA	y/n	Area	IS Area	Std Conc	%Dev	%RSD	RRF M...	RRF SD
14	14	trans-Nonachlor	35.25	1.831	NO	3.7448e3	9.8697e4	2.000	-10.4	5.17	1.06	0.0547
15	15	cis-Chlordane	35.73	1.934	NO	3.8653e3	9.8697e4	2.000	-15.9	7.93	1.16	0.0924
16	16	Endosulfan I (alpha)	35.83	1.687	NO	1.8245e4	6.7058e4	10.000	10.7	11.0	1.23	0.135
17	17	4,4'-DDMU	35.47	3.051	NO	4.9176e4	2.3236e6	20.000	-87.1			
18	18	2,4'-DDE	35.70	1.335	NO	9.2122e4	2.3236e6	2.000	-3.3	3.28	1.02	0.0336
19	19	4,4'-DDE	36.77	1.501	NO	6.2910e4	1.6538e6	2.000	-8.4	5.39	1.04	0.0559
20	20	Dieldrin	37.29	1.600	NO	8.5289e3	2.4541e5	2.000	-15.6	8.47	1.03	0.0872
21	21	[illegible]	[illegible]	[illegible]	NO	[illegible]	[illegible]	2.000	-12.2	6.73	1.01	0.0678
22	22	cis-Nonachlor	38.96	1.243	NO	4.2447e3	1.3002e5	2.000	-18.4	9.43	1.00	0.0944
23	23	Endosulfan II (beta)	39.69	1.331	NO	9.9668e3	3.9147e4	10.000	18.9	13.8	1.07	0.147
24	24	2,4'-DDD	37.90	1.424	NO	8.7093e4	2.1754e6	2.000	-6.1	4.76	1.07	0.0507
25	25	2,4'-DDT	39.02	1.361	NO	6.1357e4	1.5692e6	2.000	-6.6	5.20	1.05	0.0544



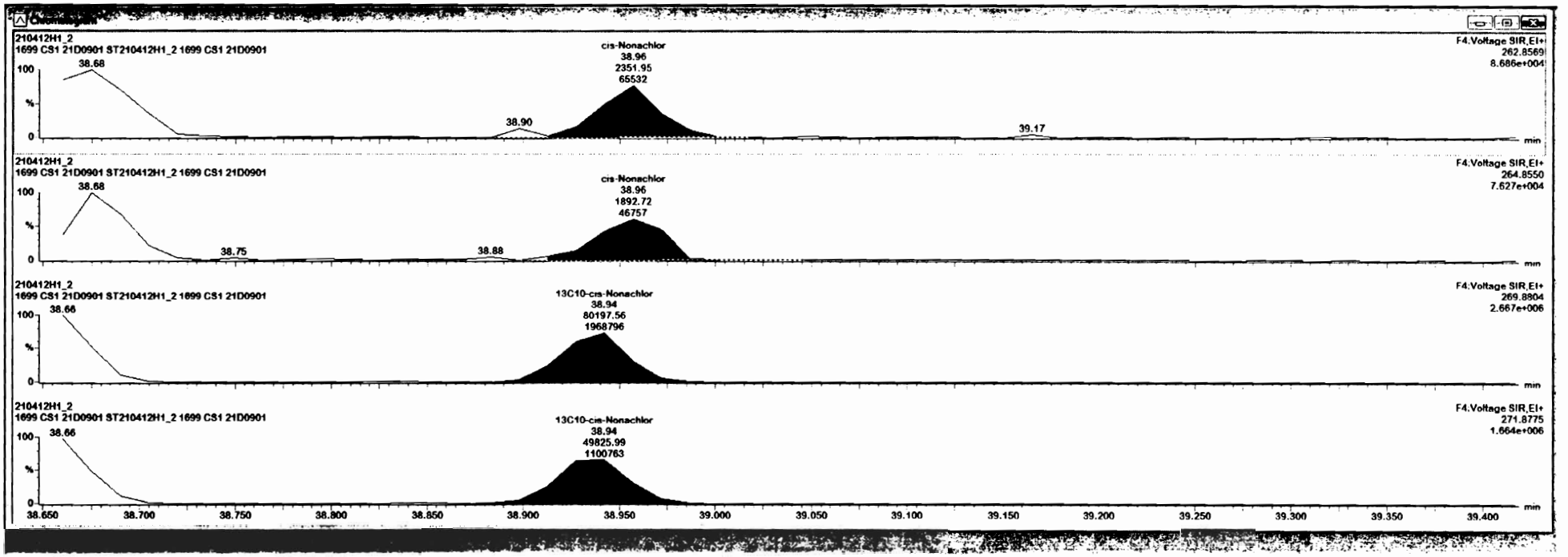
Ready 210412H1_2 NUM

TargetLynx - 2103216

File Edit View Display Processing Window Help

210412H1_2 - ST210412H1_2 1699 CS1 21D0901 - 1699 CS1 21D0901

	#	Name	RT	RA	y/n	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
14	14	trans-Nonachlor	35.25	1.831	NO	3.7448e3	9.8697e4	2.000	-10.4	5.17	1.06	0.0547
15	15	cis-Chlordane	35.73	1.934	NO	3.8653e3	9.8697e4	2.000	-15.9	7.93	1.16	0.0924
16	16	Endosulfan I (alpha)	35.83	1.687	NO	1.8245e4	6.7058e4	10.000	10.7	11.0	1.23	0.135
17	17	4,4'-DDMU	35.47	3.051	NO	4.9176e4	2.3236e6	20.000	-87.1			
18	18	2,4'-DDE	35.70	1.335	NO	9.2122e4	2.3236e6	2.000	-3.3	3.28	1.02	0.0336
19	19	4,4'-DDE	36.77	1.501	NO	6.2910e4	1.6538e6	2.000	-8.4	5.39	1.04	0.0559
20	20	Dieldrin	37.29	1.600	NO	8.5289e3	2.4541e5	2.000	-15.6	8.47	1.03	0.0872
21	21	Endrin	38.67	1.491	NO	6.9672e3	1.9686e5	2.000	-12.2	6.73	1.01	0.0678
22	22	[illegible]	[illegible]	[illegible]	NO	[illegible]	[illegible]	2.000	-16.4	9.43	1.00	0.0944
23	23	Endosulfan II (beta)	39.69	1.331	NO	9.9668e3	3.9147e4	10.000	18.9	13.8	1.07	0.147
24	24	2,4'-DDD	37.90	1.424	NO	8.7093e4	2.1754e6	2.000	-6.1	4.76	1.07	0.0507
25	25	2,4'-DDT	39.02	1.361	NO	6.1357e4	1.5692e6	2.000	-6.6	5.20	1.05	0.0544



Ready

210412H1_2

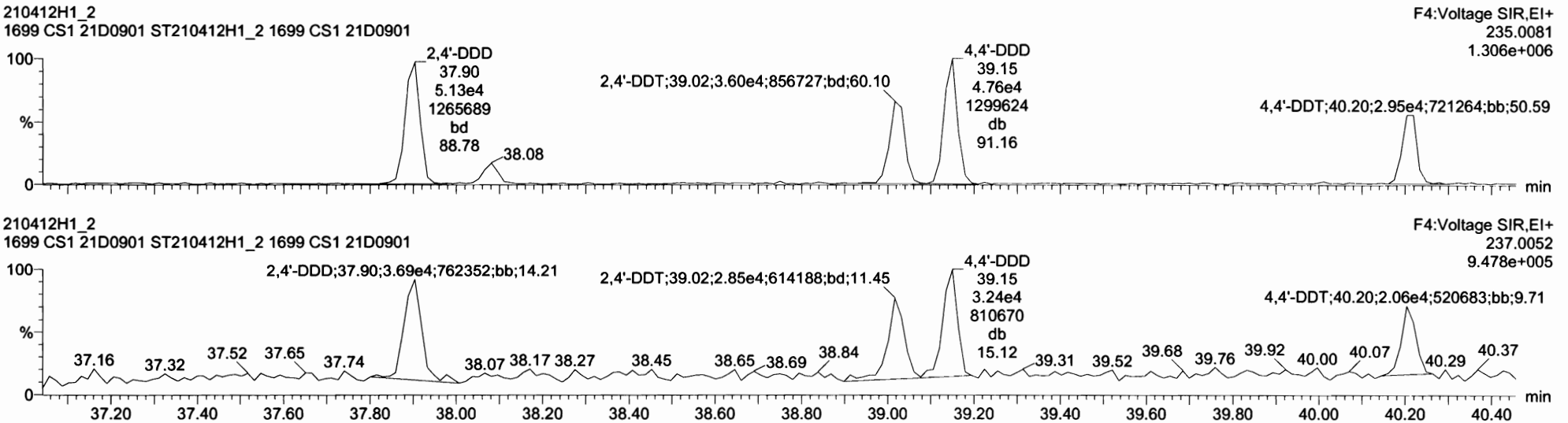
NUM

Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

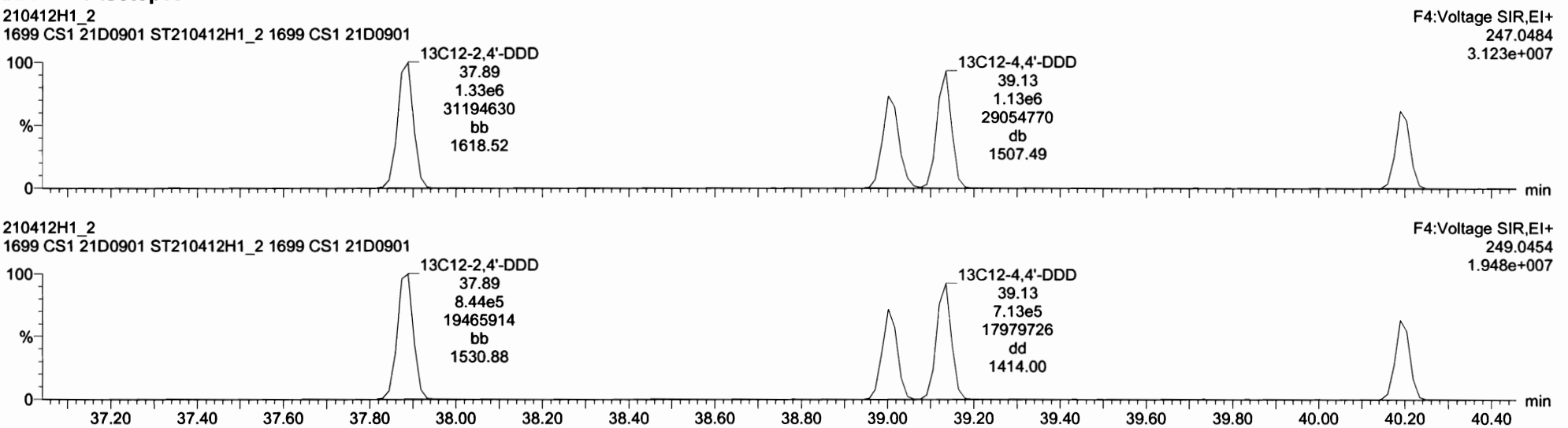
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_2, Date: 12-Apr-2021, Time: 15:48:16, ID: ST210412H1_2 1699 CS1 21D0901, Description: 1699 CS1 21D0901

DDD-DDT



DDD-DDT-isotopes

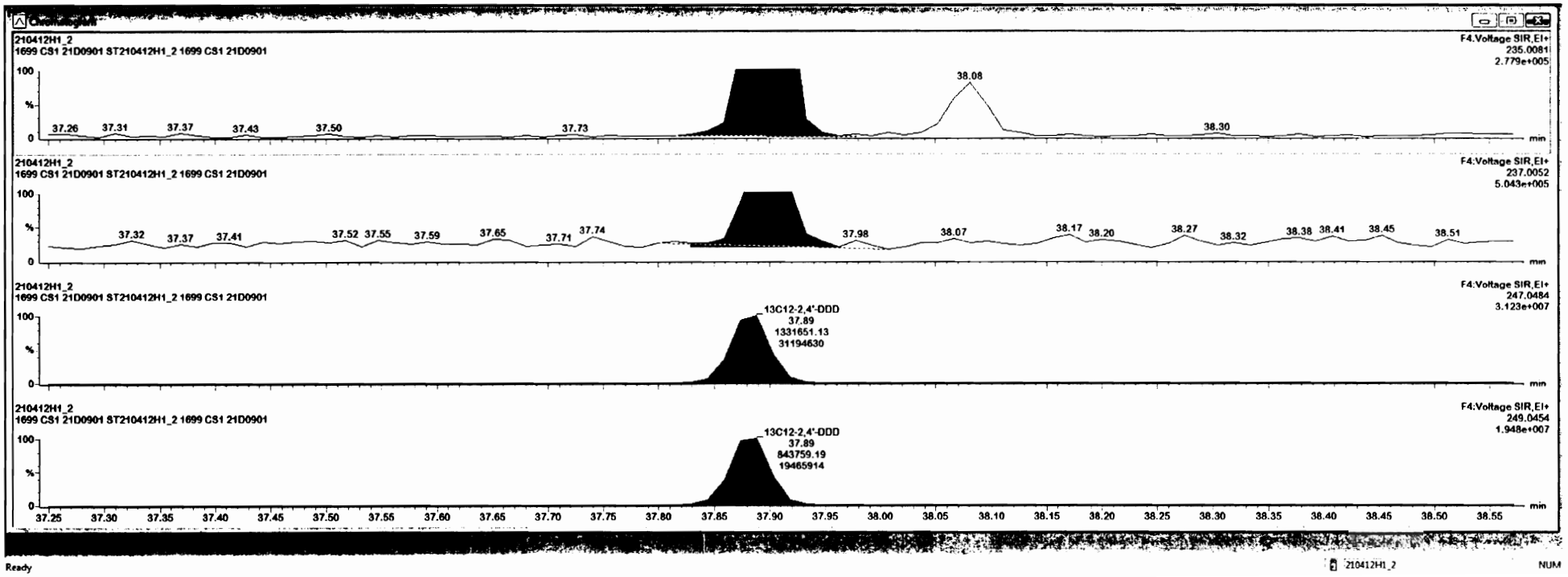


TargetLynx - 210

File Edit View Display Processing Window Help

210412H1_2 - ST210412H1_2 1699 CS1 21D0901 - 1699 CS1 21D0901

	I...	Name	RT	RA	y/n	Area	IS Area	Std Conc	%Dev	%RSD	RRF M...	RRF SD
14	14	trans-Nonachlor	35.25	1.831	NO	3.7448e3	9.8697e4	2.000	-10.4	5.17	1.06	0.0547
15	15	cis-Chlordane	35.73	1.934	NO	3.8653e3	9.8697e4	2.000	-15.9	7.93	1.16	0.0924
16	16	Endosulfan I (alpha)	35.83	1.687	NO	1.8245e4	6.7058e4	10.000	10.7	11.0	1.23	0.135
17	17	4,4'-DDMU	35.47	3.051	NO	4.9176e4	2.3236e6	20.000	-87.1			
18	18	2,4'-DDE	35.70	1.335	NO	9.2122e4	2.3236e6	2.000	-3.3	3.28	1.02	0.0336
19	19	4,4'-DDE	36.77	1.501	NO	6.2910e4	1.6538e6	2.000	-8.4	5.39	1.04	0.0559
20	20	Dieldrin	37.29	1.600	NO	8.5289e3	2.4541e5	2.000	-15.6	8.47	1.03	0.0872
21	21	Endrin	38.67	1.491	NO	6.9672e3	1.9686e5	2.000	-12.2	6.73	1.01	0.0678
22	22	cis-Nonachlor	38.96	1.243	NO	4.2447e3	1.3002e5	2.000	-18.4	9.43	1.00	0.0944
23	23	Endosulfan II (beta)	39.69	1.331	NO	9.9668e3	3.9147e4	10.000	18.9	13.8	1.07	0.147
24	24	2,4'-DDD	[illegible]	[illegible]	NO	[illegible]	[illegible]	2.000	-6.1	4.76	1.07	0.0507
25	25	2,4'-DDT	39.02	1.361	NO	6.1357e4	1.5692e6	2.000	-6.6	5.20	1.05	0.0544



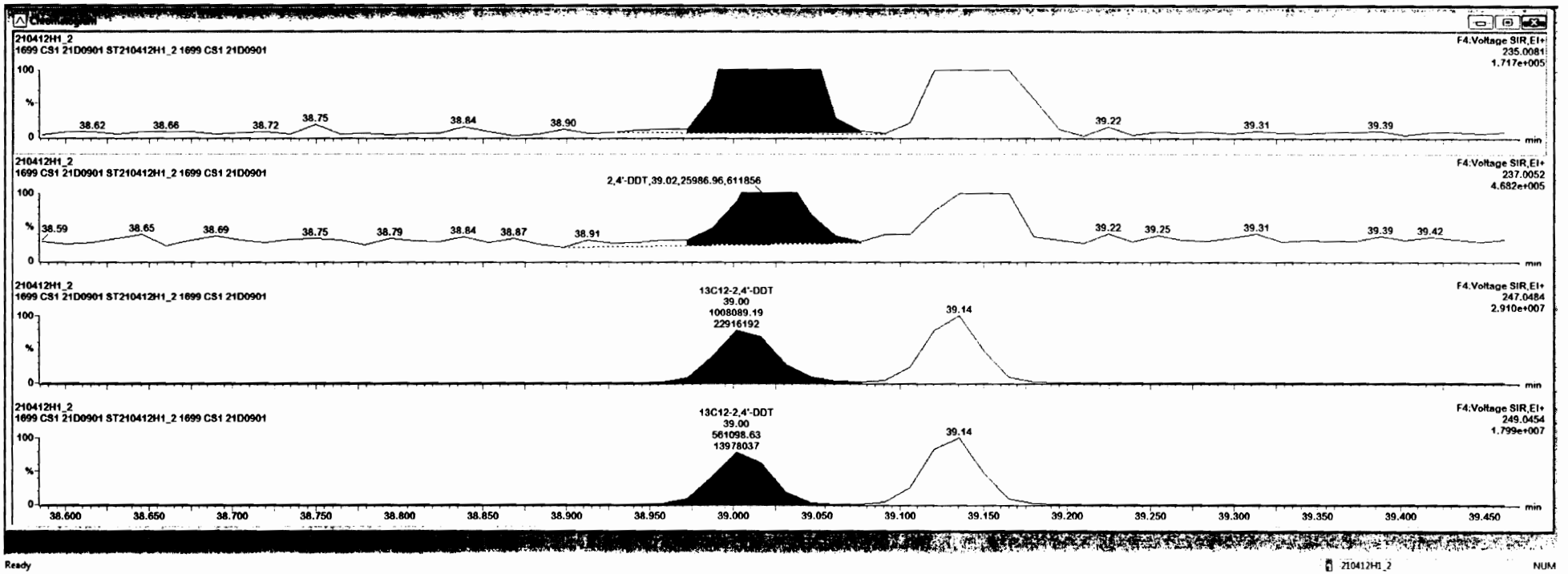
Ready 210412H1_2 NUM

TargetLynx - 210412...

File Edit View Display Processing Window Help

210412H1_2 - ST210412H1_2 1699 CS1 21D0901 - 1699 CS1 21D0901

		Name	RT	RA	y/n	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
14	14	trans-Nonachlor	35.25	1.831	NO	3.7448e3	9.8697e4	2.000	-10.4	5.17	1.06	0.0547
15	15	cis-Chlordane	35.73	1.934	NO	3.8653e3	9.8697e4	2.000	-15.9	7.93	1.16	0.0924
16	16	Endosulfan I (alpha)	35.83	1.687	NO	1.8245e4	6.7058e4	10.000	10.7	11.0	1.23	0.135
17	17	4,4'-DDMU	35.47	3.051	NO	4.9176e4	2.3236e6	20.000	-87.1			
18	18	2,4'-DDE	35.70	1.335	NO	9.2122e4	2.3236e6	2.000	-3.3	3.28	1.02	0.0336
19	19	4,4'-DDE	36.77	1.501	NO	6.2910e4	1.6538e6	2.000	-8.4	5.39	1.04	0.0559
20	20	Dieldrin	37.29	1.600	NO	8.5289e3	2.4541e5	2.000	-15.6	8.47	1.03	0.0872
21	21	Endrin	38.67	1.491	NO	6.9672e3	1.9686e5	2.000	-12.2	6.73	1.01	0.0678
22	22	cis-Nonachlor	38.96	1.243	NO	4.2447e3	1.3002e5	2.000	-18.4	9.43	1.00	0.0944
23	23	Endosulfan II (beta)	39.69	1.331	NO	9.9668e3	3.9147e4	10.000	18.9	13.8	1.07	0.147
24	24	2,4'-DDD	37.90	1.424	NO	8.7093e4	2.1754e6	2.000	-6.1	4.76	1.07	0.0507
25	25	2,4'-DDT	38.62	1.381	NO	6.1387e4	1.9902e6	2.000	-6.8	5.20	1.05	0.0544



Ready 210412H1_2 NUM

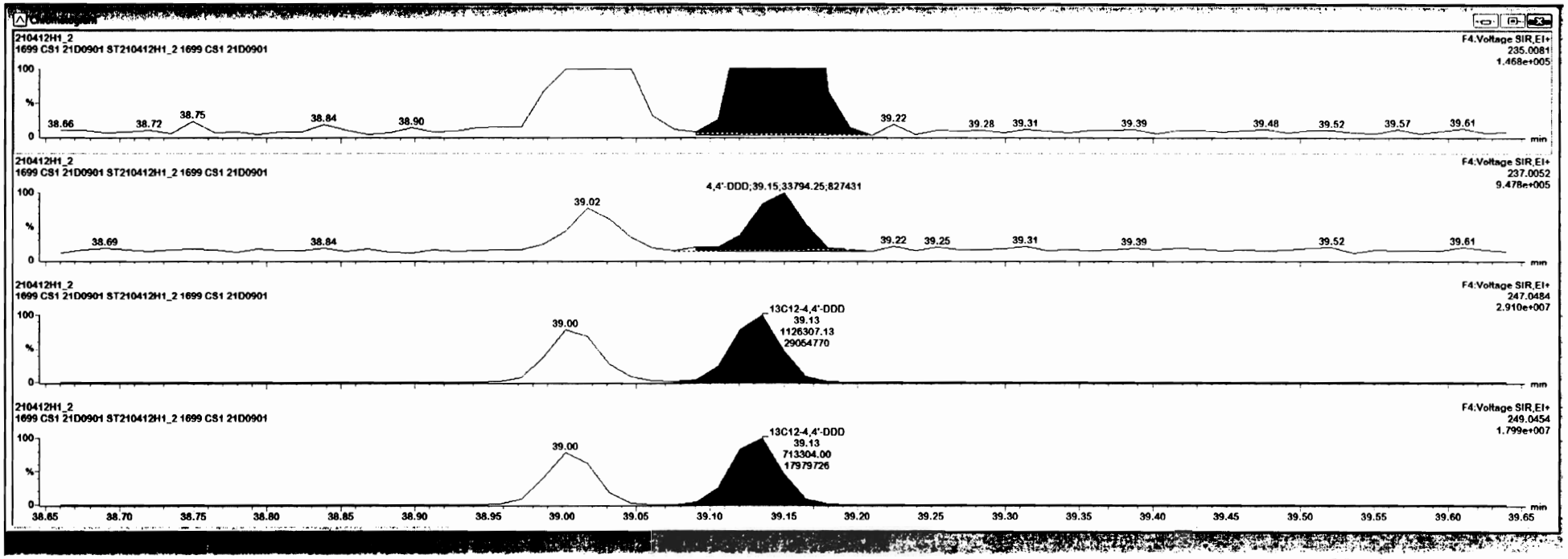
TargetLynx - 2103

File Edit View Display Processing Window Help

210412H1_2 - ST210412H1_2 1699 CS1 21D0901 - 1699 CS1 21D0901

	#	Name	RT	RA	y/n	Area	IS Area	Std Conc	%Dev	%RSD	RRF M...	RRF SD
14	14	trans-Nonachlor	35.25	1.831	NO	3.7448e3	9.8697e4	2.000	-10.4	5.17	1.06	0.0547
15	15	cis-Chlordane	35.73	1.934	NO	3.8653e3	9.8697e4	2.000	-15.9	7.93	1.16	0.0924
16	16	Endosulfan I (alpha)	35.83	1.687	NO	1.8245e4	6.7058e4	10.000	10.7	11.0	1.23	0.135
17	17	4,4'-DDMU	35.47	3.051	NO	4.9176e4	2.3236e6	20.000	-87.1			
18	18	2,4'-DDE	35.70	1.335	NO	9.2122e4	2.3236e6	2.000	-3.3	3.28	1.02	0.0336
19	19	4,4'-DDE	36.77	1.501	NO	6.2910e4	1.6538e6	2.000	-8.4	5.39	1.04	0.0559
20	20	Dieldrin	37.29	1.600	NO	8.5289e3	2.4541e5	2.000	-15.6	8.47	1.03	0.0872
21	21	Endrin	38.67	1.491	NO	6.9672e3	1.9686e5	2.000	-12.2	6.73	1.01	0.0678
22	22	cis-Nonachlor	38.98	1.243	NO	4.2447e3	1.3002e5	2.000	-18.4	9.43	1.00	0.0944
23	23	Endosulfan II (beta)	39.69	1.331	NO	9.9668e3	3.9147e4	10.000	18.9	13.8	1.07	0.147
24	24	2,4'-DDD	37.90	1.424	NO	8.7093e4	2.1754e6	2.000	-6.1	4.76	1.07	0.0507
25	25	2,4'-DDT	39.02	1.361	NO	6.1357e4	1.5692e6	2.000	-6.6	5.20	1.05	0.0544

Chromatogram



Ready

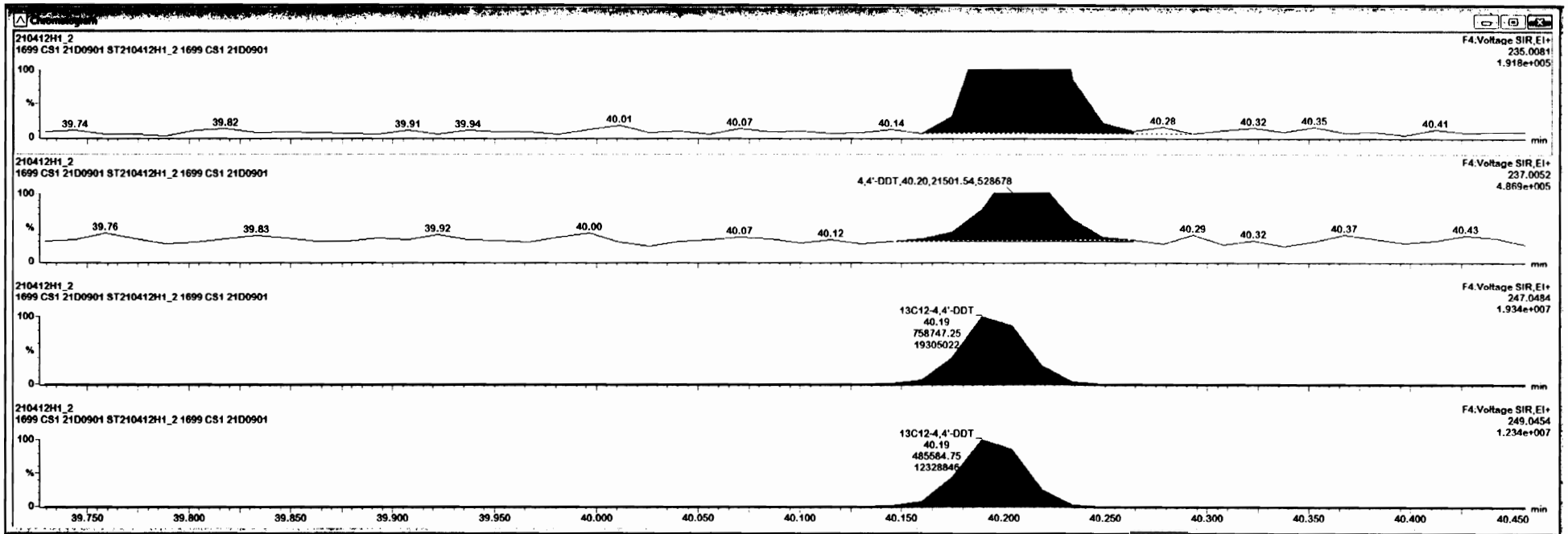
210412H1_2

NUM

File Edit View Display Processing Window Help

210412H1_2 - ST210412H1_2 1699 CS1 21D0901 - 1699 CS1 21D0901

	R...	Name	RT	RA	y/n	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
27	27	4,4'-DDT	40.20	1.358	NO	[illegible]	1.2443e6	2.000	-10.1	6.42	1.13	0.0727
28	28	Endosulfan Sulfate	41.41	1.688	NO	1.2127e4	5.8227e4	10.000	0.5	2.06	1.04	0.0214
29	29	4,4'-Methoxychlor	43.25	6.292	NO	3.2172e5	1.3974e7	10.000	-5.7	4.30	1.22	0.0524
30	30	Mirex	43.87	1.431	NO	2.4032e4	6.7633e5	2.000	-14.0	7.27	1.03	0.0751
31	31	Endrin Aldehyde	40.81	0.617	NO	9.5131e3	5.8150e5	10.000	-12.6	8.70	0.936	0.0815
32	32	Endrin Ketone	43.99	0.787	NO	1.2495e4	7.3233e5	10.000	-7.9	4.56	0.926	0.0422
33	33	13C4-Hexachlorobutadiene	9.95	1.278	NO	5.6050e6	2.5487e6	500.000	37.1	29.1	0.160	0.0467
34	34	13C6-Hexachlorobenzene	22.67	1.265	NO	2.2366e6	2.5487e6	50.000	1.3	1.38	0.867	0.0119
35	35	13C6-Alpha-BHC	23.21	0.795	NO	6.4609e5	2.5487e6	50.000	-1.8	3.63	0.258	0.00938
36	36	13C6-Lindane (gamma)	26.55	0.780	NO	4.9372e5	2.5487e6	50.000	0.0	3.92	0.194	0.00759
37	37	13C6-Beta-BHC	28.58	0.792	NO	3.6316e5	2.5487e6	50.000	-0.9	5.67	0.144	0.00815
38	38	13C6-Delta-BHC	30.24	0.794	NO	4.1262e5	2.5487e6	50.000	-3.6	7.85	0.168	0.0132



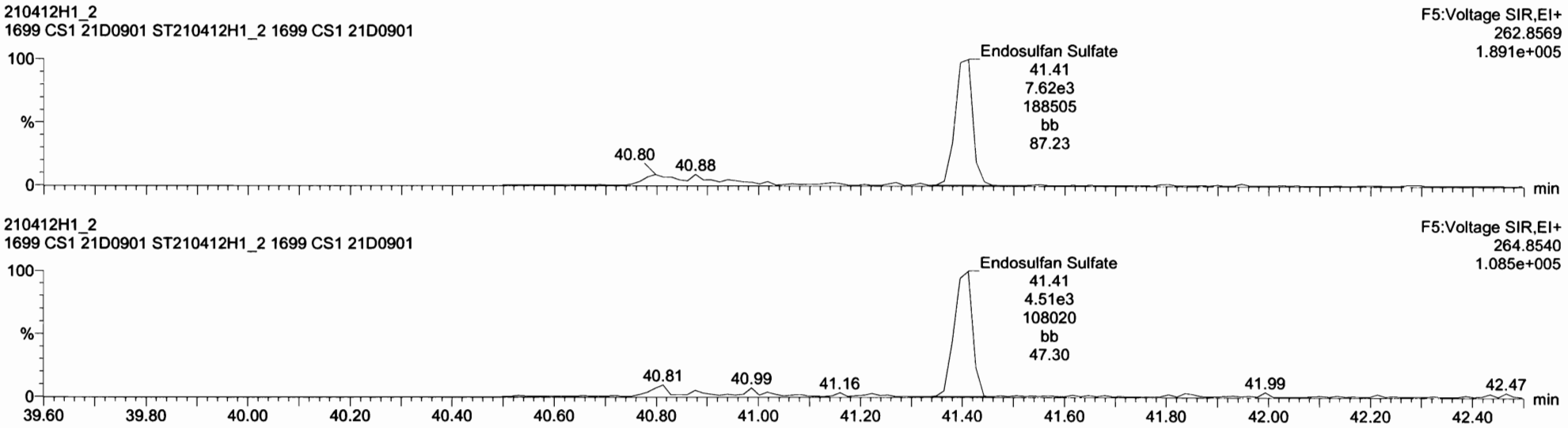
Ready 210412H1_2 NUM

Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

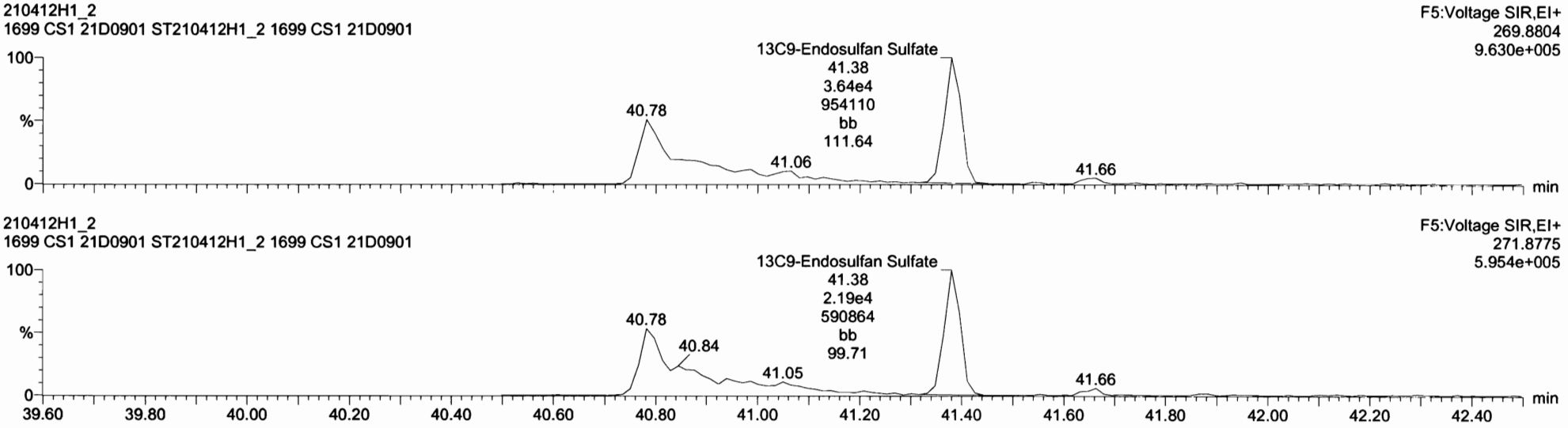
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_2, Date: 12-Apr-2021, Time: 15:48:16, ID: ST210412H1_2 1699 CS1 21D0901, Description: 1699 CS1 21D0901

Endosulfan Sulfate



13C9-Endosulfan Sulfate



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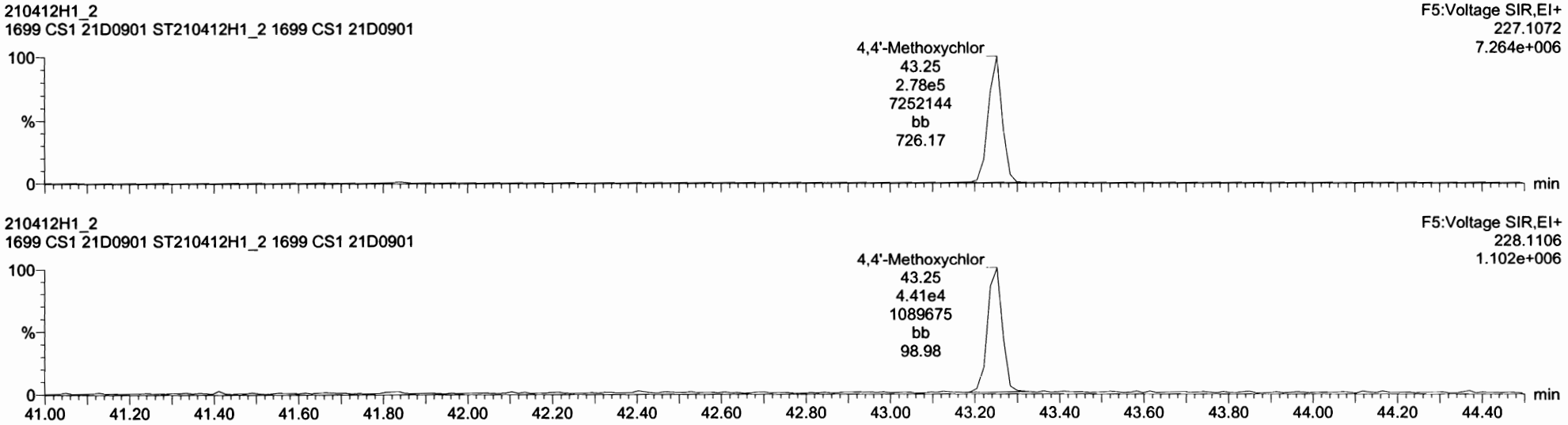
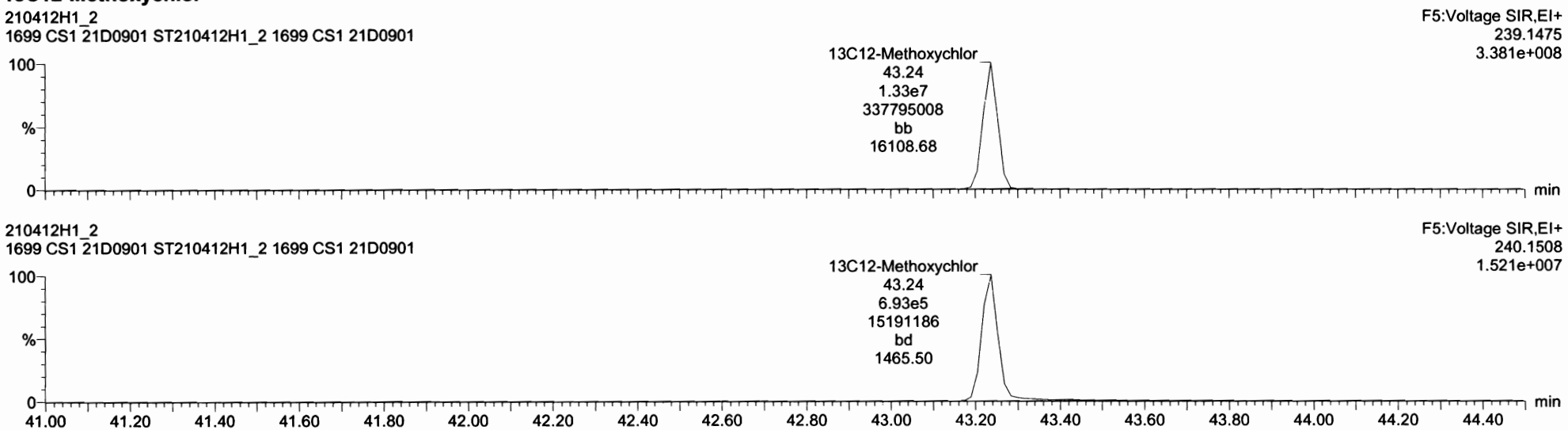
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_2, Date: 12-Apr-2021, Time: 15:48:16, ID: ST210412H1_2 1699 CS1 21D0901, Description: 1699 CS1 21D0901

4,4'-Methoxychlor



13C12-Methoxychlor

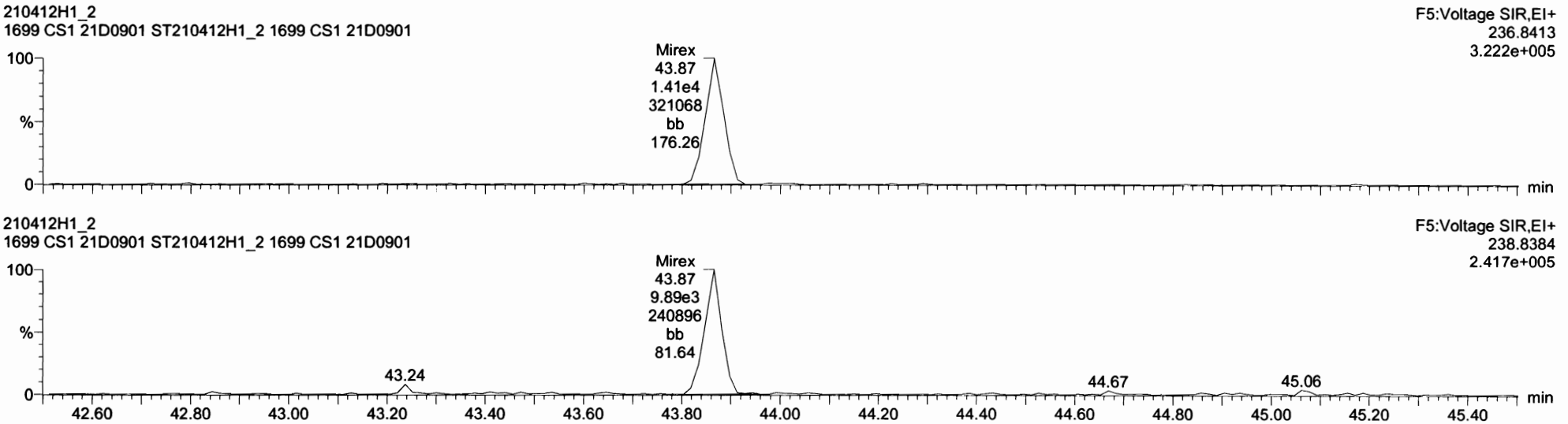


Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

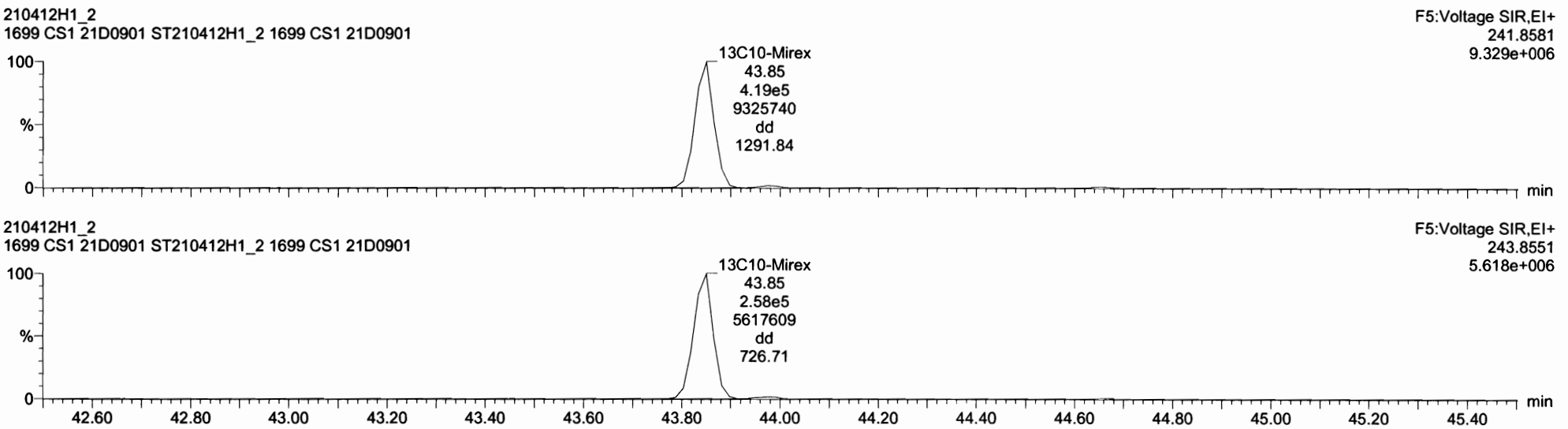
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_2, Date: 12-Apr-2021, Time: 15:48:16, ID: ST210412H1_2 1699 CS1 21D0901, Description: 1699 CS1 21D0901

Mirex



13C10-Mirex



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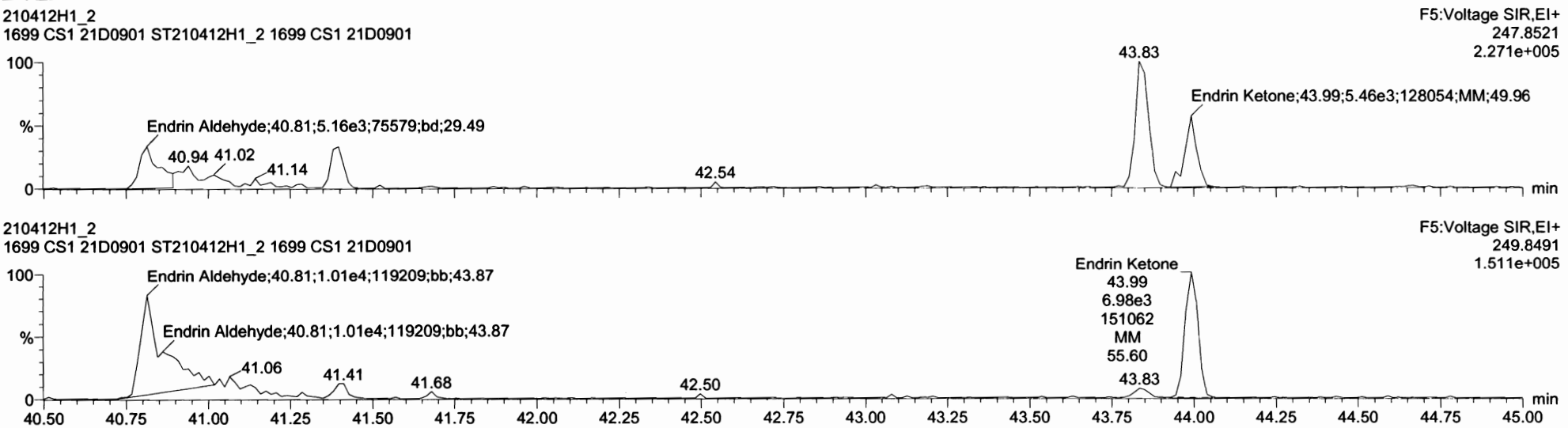
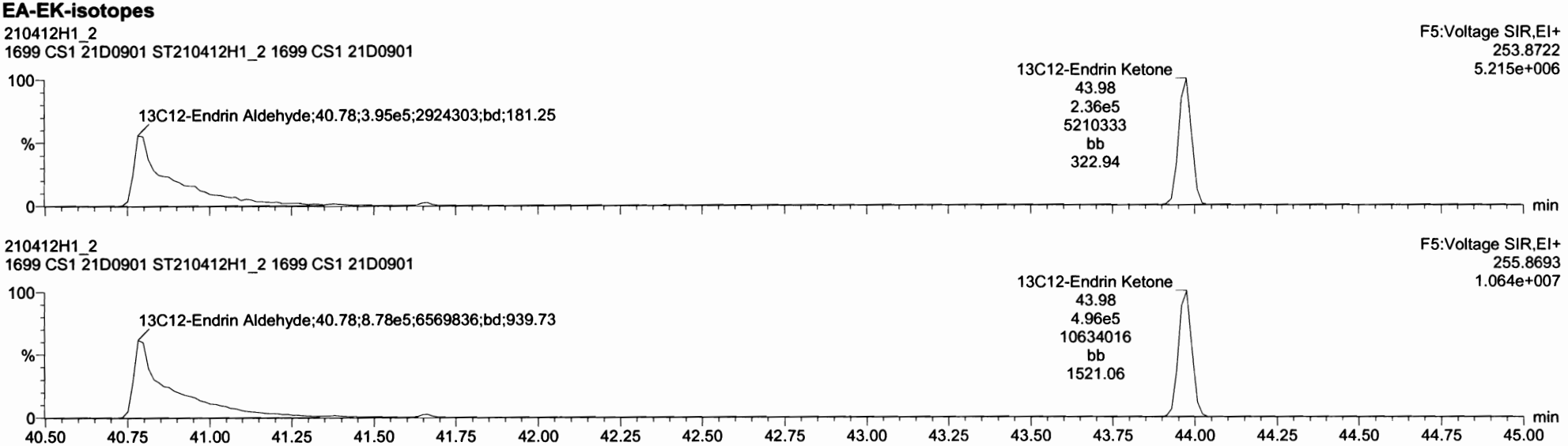
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_2, Date: 12-Apr-2021, Time: 15:48:16, ID: ST210412H1_2 1699 CS1 21D0901, Description: 1699 CS1 21D0901

EA-EK



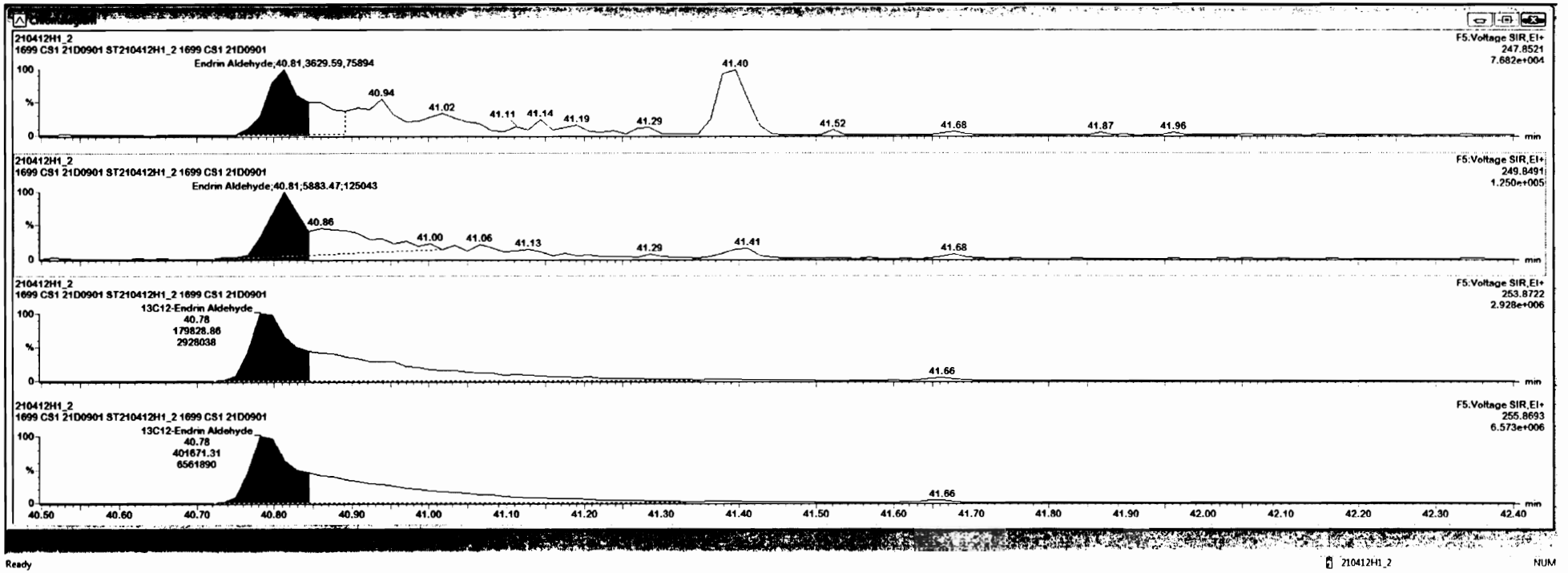
EA-EK-isotopes



File Edit View Display Processing Window Help

210412H1_2 - ST210412H1_2 1699 CS1 21D0901 - 1699 CS1 21D0901

	#	Name	RT	RA	y/n	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
27	27	4,4'-DDT	40.20	1.356	NO	5.0649e4	1.2443e6	2.000	-10.1	6.42	1.13	0.0727
28	28	Endosulfan Sulfate	41.41	1.688	NO	1.2127e4	5.8227e4	10.000	0.5	2.06	1.04	0.0214
29	29	4,4'-Methoxychlor	43.25	6.292	NO	3.2172e5	1.3974e7	10.000	-5.7	4.30	1.22	0.0524
30	30	Mirex	43.87	1.431	NO	2.4032e4	6.7833e5	2.000	-14.0	7.27	1.03	0.0751
31	31	Endrin Aldehyde	40.81	0.817	NO	3.6295e3	2.5487e6	10.000	-12.8	8.79	0.936	0.0815
32	32	Endrin Ketone	43.99	0.787	NO	1.2495e4	7.3233e5	10.000	-7.9	4.56	0.926	0.0422
33	33	13C4-Hexachlorobutadiene	9.95	1.278	NO	5.6050e6	2.5487e6	500.000	37.1	29.1	0.160	0.0467
34	34	13C6-Hexachlorobenzene	22.67	1.265	NO	2.2366e6	2.5487e6	50.000	1.3	1.38	0.867	0.0119
35	35	13C6-Alpha-BHC	23.21	0.795	NO	6.4609e5	2.5487e6	50.000	-1.8	3.63	0.258	0.00938
36	36	13C6-Lindane (gamma)	26.55	0.780	NO	4.9372e5	2.5487e6	50.000	0.0	3.92	0.194	0.00759
37	37	13C6-Beta-BHC	28.58	0.792	NO	3.6316e5	2.5487e6	50.000	-0.9	5.67	0.144	0.00815
38	38	13C6-Delta-BHC	30.24	0.794	NO	4.1262e5	2.5487e6	50.000	-3.6	7.85	0.168	0.0132



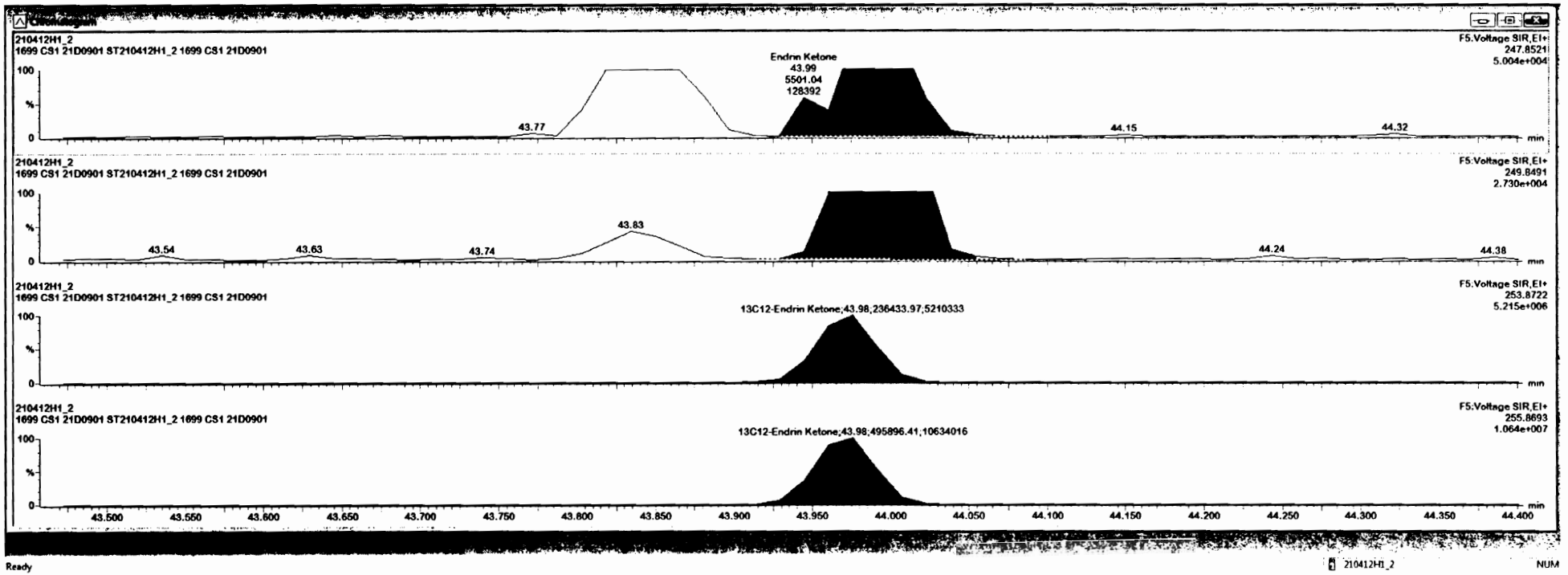
Ready 210412H1_2 NUM

TargetLynx - 21

File Edit View Display Processing Window Help

210412H1_2 - ST210412H1_2 1699 CS1 21D0901 - 1699 CS1 21D0901

	#	Name	RT	RA	y/n	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
27	27	4,4'-DDT	40.20	1.356	NO	5.0649e4	1.2443e6	2.000	-10.1	6.42	1.13	0.0727
28	28	Endosulfan Sulfate	41.41	1.688	NO	1.2127e4	5.8227e4	10.000	0.5	2.06	1.04	0.0214
29	29	4,4'-Methoxychlor	43.25	6.292	NO	3.2172e5	1.3974e7	10.000	-5.7	4.30	1.22	0.0524
30	30	Mirex	43.87	1.431	NO	2.4032e4	6.7633e5	2.000	-14.0	7.27	1.03	0.0751
31	31	Endrin Aldehyde	40.81	0.617	NO	9.5131e3	5.8150e5	10.000	-12.6	8.70	0.936	0.0815
32	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
33	33	13C4-Hexachlorobutadiene	9.95	1.278	NO	5.6050e6	2.5487e6	500.000	37.1	29.1	0.160	0.0467
34	34	13C6-Hexachlorobenzene	22.67	1.265	NO	2.2366e6	2.5487e6	50.000	1.3	1.38	0.867	0.0119
35	35	13C6-Alpha-BHC	23.21	0.795	NO	6.4609e5	2.5487e6	50.000	-1.8	3.63	0.258	0.00938
36	36	13C6-Lindane (gamma)	26.55	0.780	NO	4.9372e5	2.5487e6	50.000	0.0	3.92	0.194	0.00759
37	37	13C6-Beta-BHC	28.58	0.792	NO	3.6316e5	2.5487e6	50.000	-0.9	5.67	0.144	0.00815
38	38	13C6-Delta-BHC	30.24	0.794	NO	4.1262e5	2.5487e6	50.000	-3.6	7.85	0.168	0.0132



Ready

210412H1_2

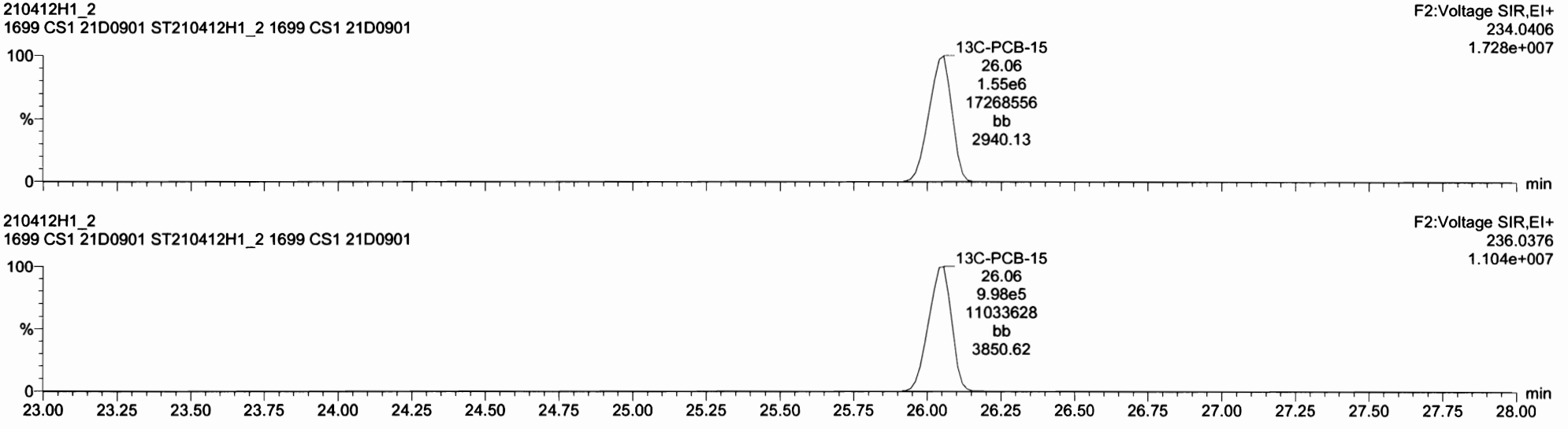
NUM

Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

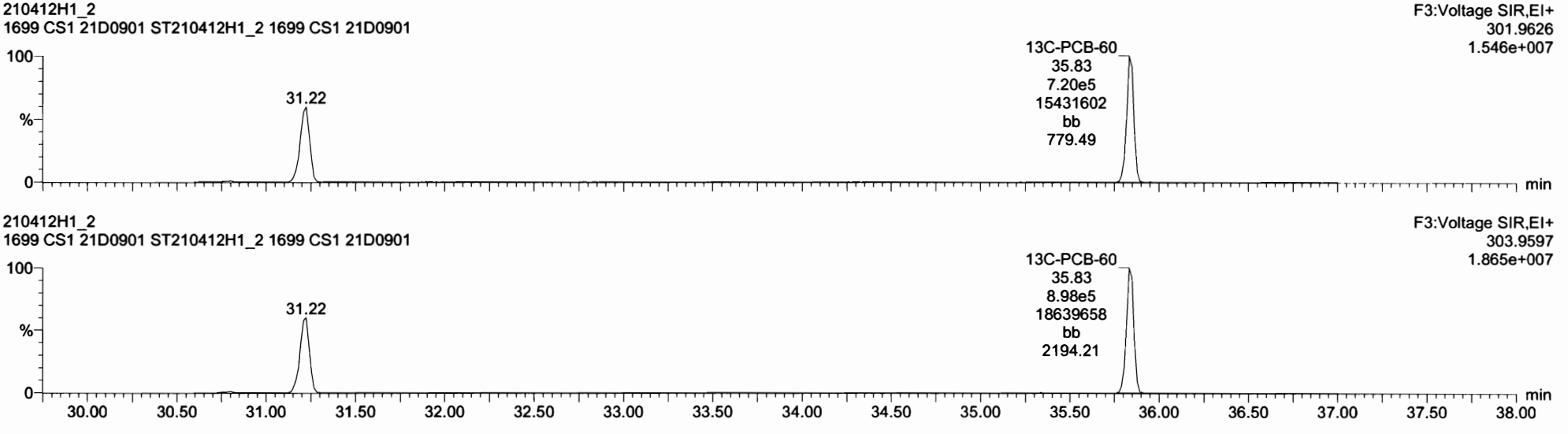
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_2, Date: 12-Apr-2021, Time: 15:48:16, ID: ST210412H1_2 1699 CS1 21D0901, Description: 1699 CS1 21D0901

13C-PCB-15



13C-PCB-60



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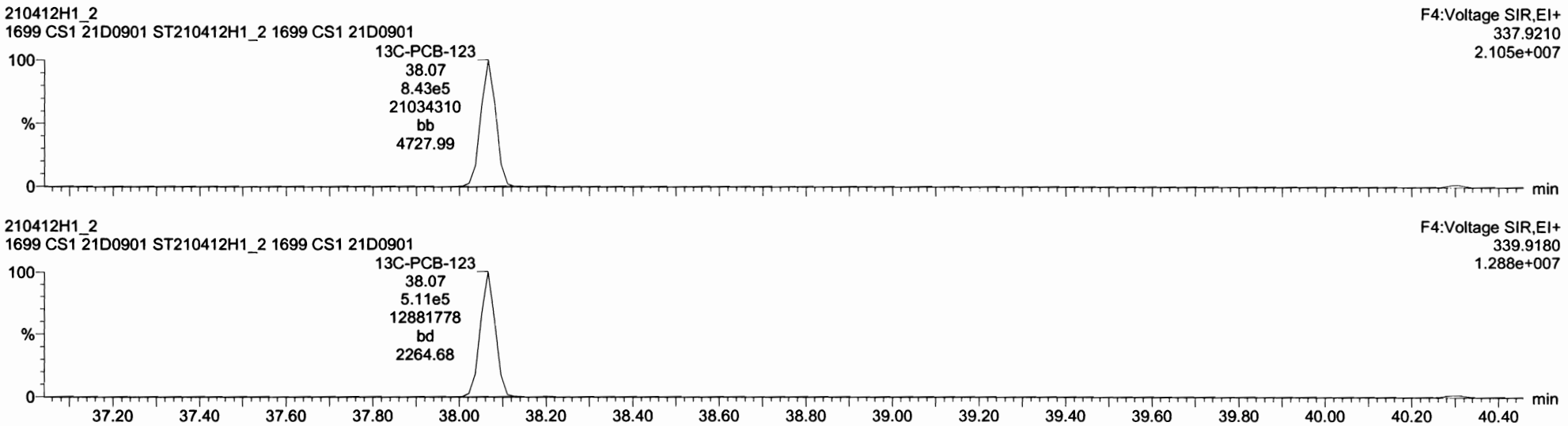
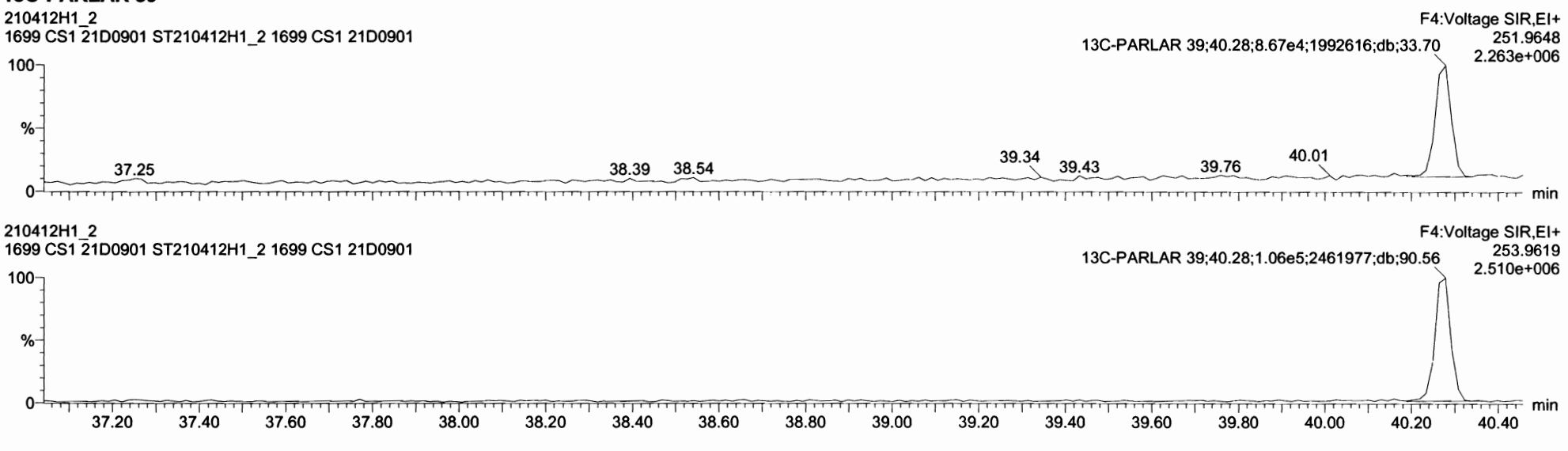
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_2, Date: 12-Apr-2021, Time: 15:48:16, ID: ST210412H1_2 1699 CS1 21D0901, Description: 1699 CS1 21D0901

13C-PCB-123



13C-PARLAR 39



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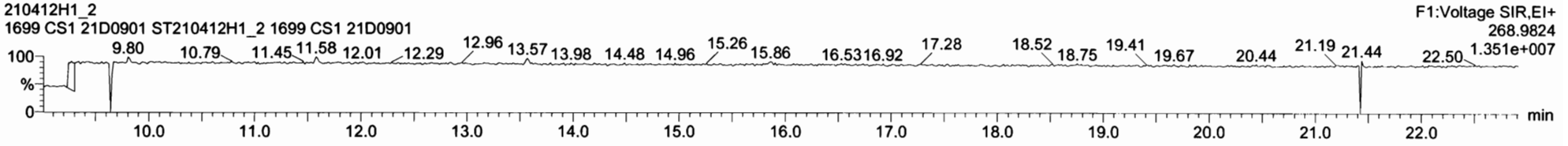
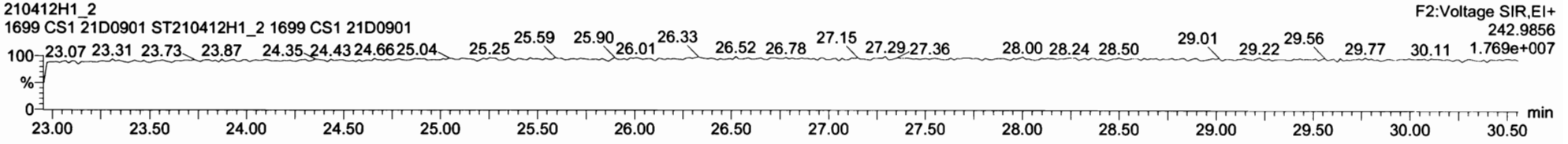
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_2, Date: 12-Apr-2021, Time: 15:48:16, ID: ST210412H1_2 1699 CS1 21D0901, Description: 1699 CS1 21D0901

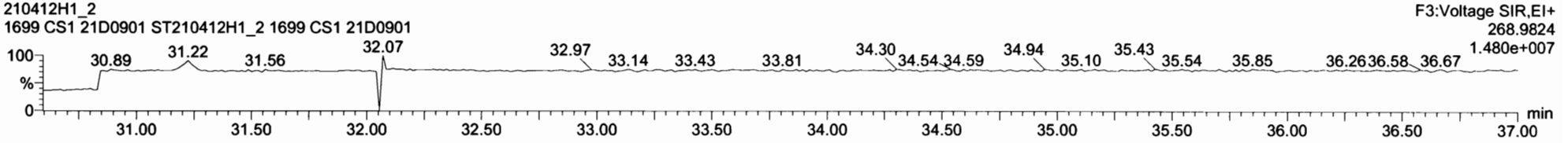
PFK1



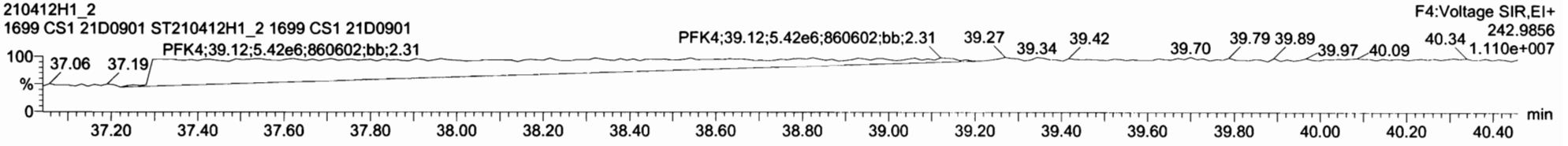
PFK2



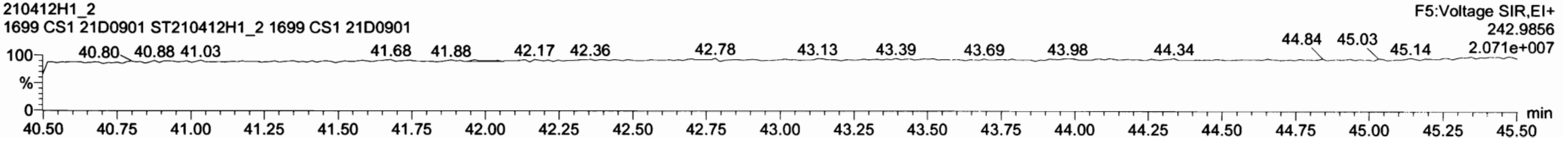
PFK3



PFK4



PFK5

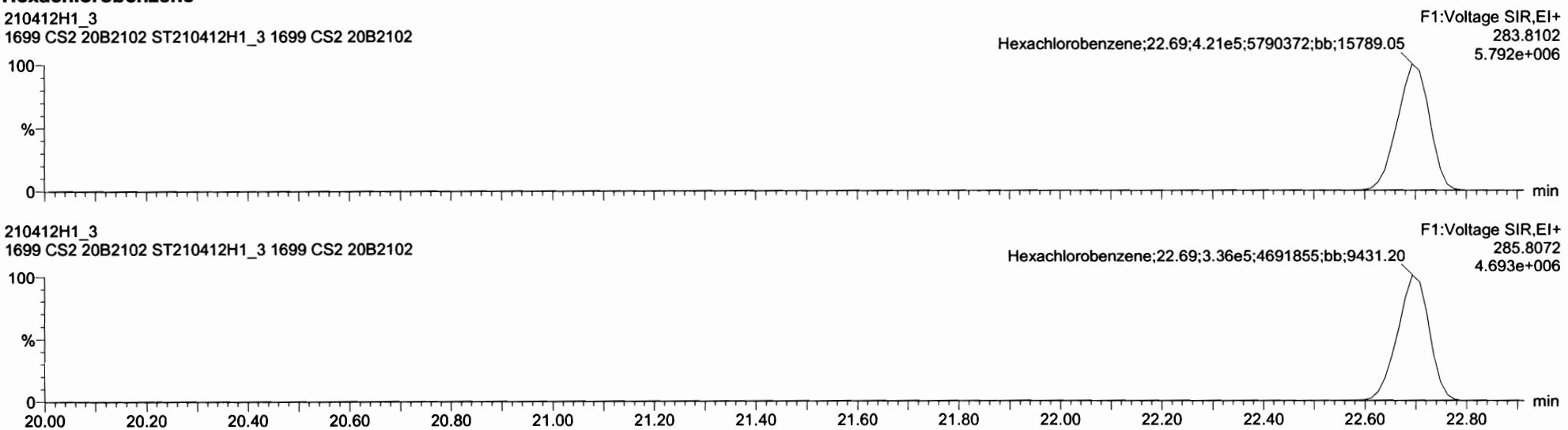


Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

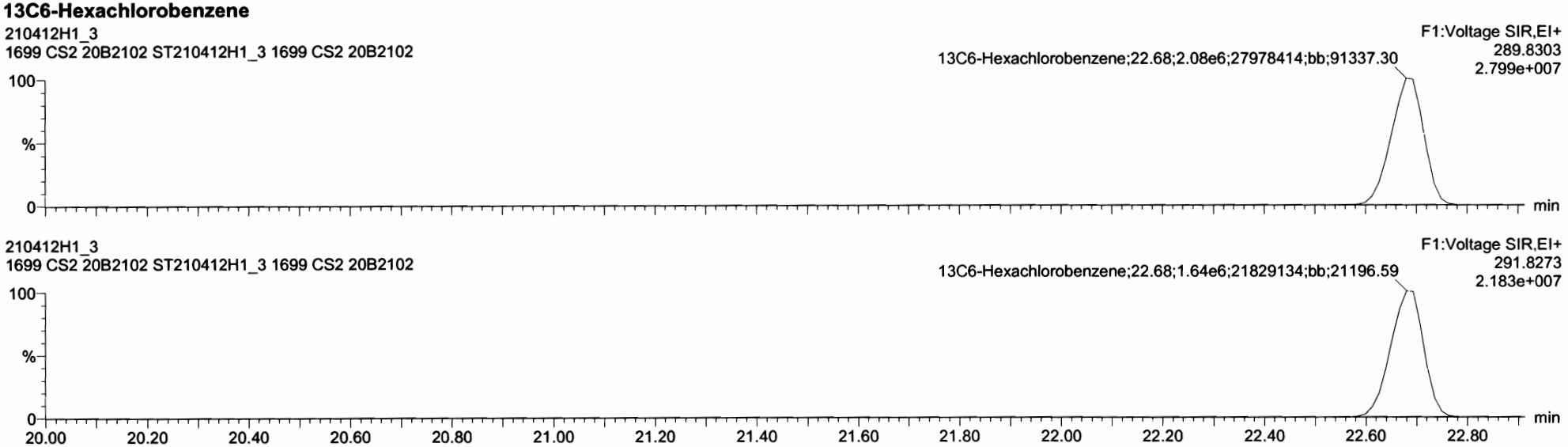
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_3, Date: 12-Apr-2021, Time: 16:39:21, ID: ST210412H1_3 1699 CS2 20B2102, Description: 1699 CS2 20B2102

Hexachlorobenzene



13C6-Hexachlorobenzene

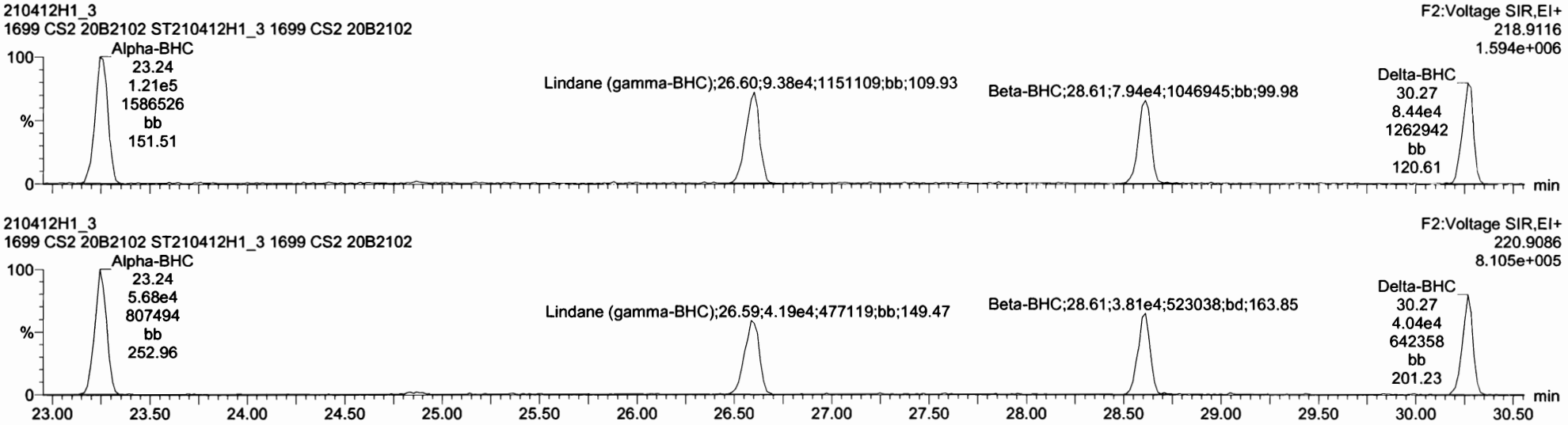


Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

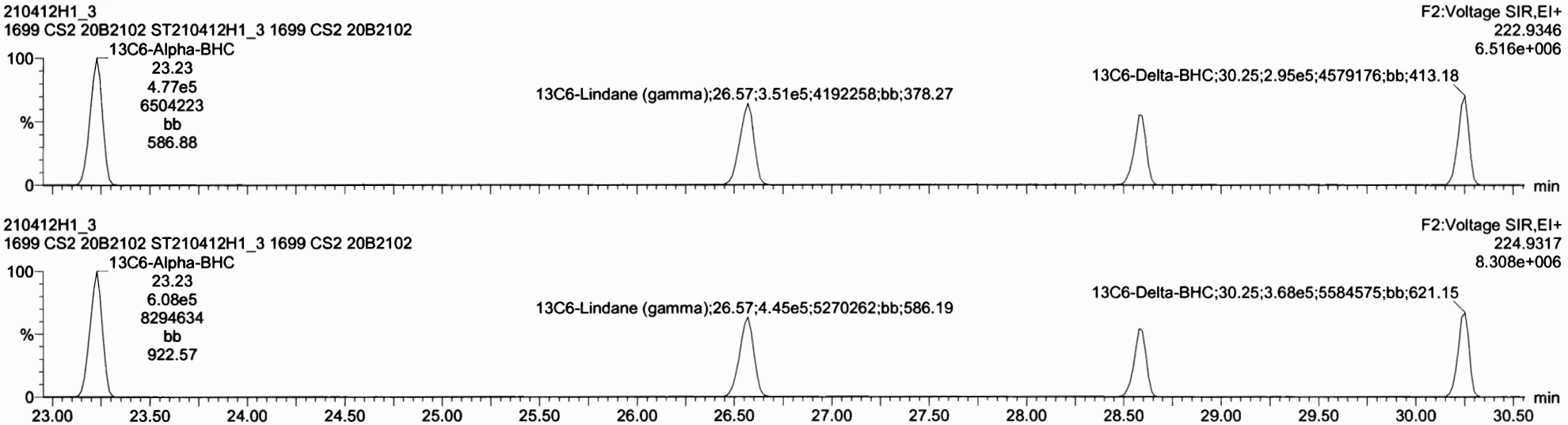
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_3, Date: 12-Apr-2021, Time: 16:39:21, ID: ST210412H1_3 1699 CS2 20B2102, Description: 1699 CS2 20B2102

BHC Totals



BHC-isotopes

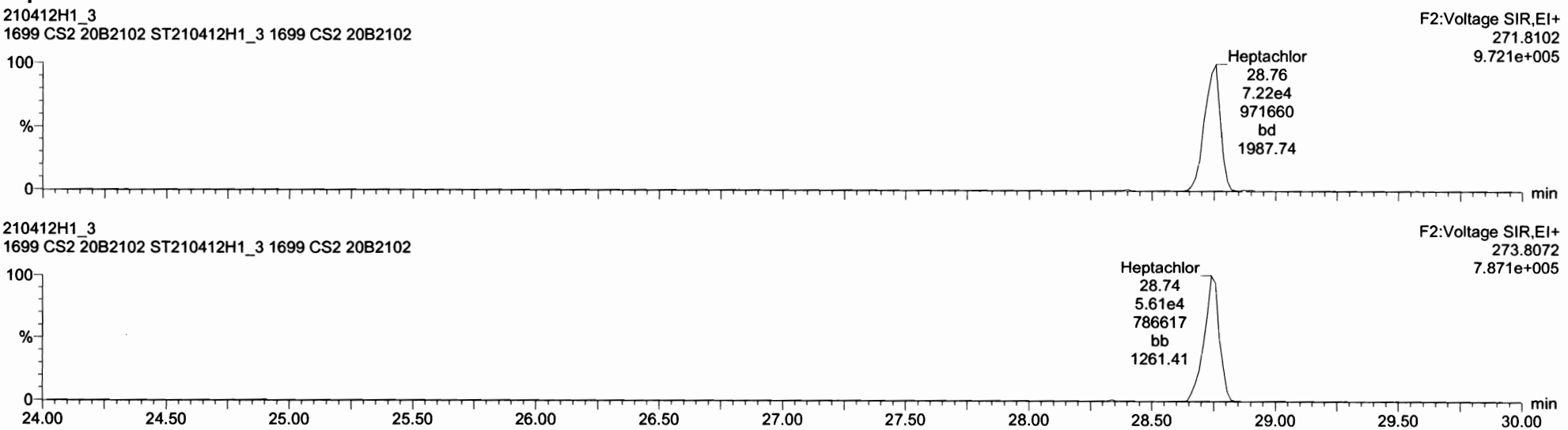


Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

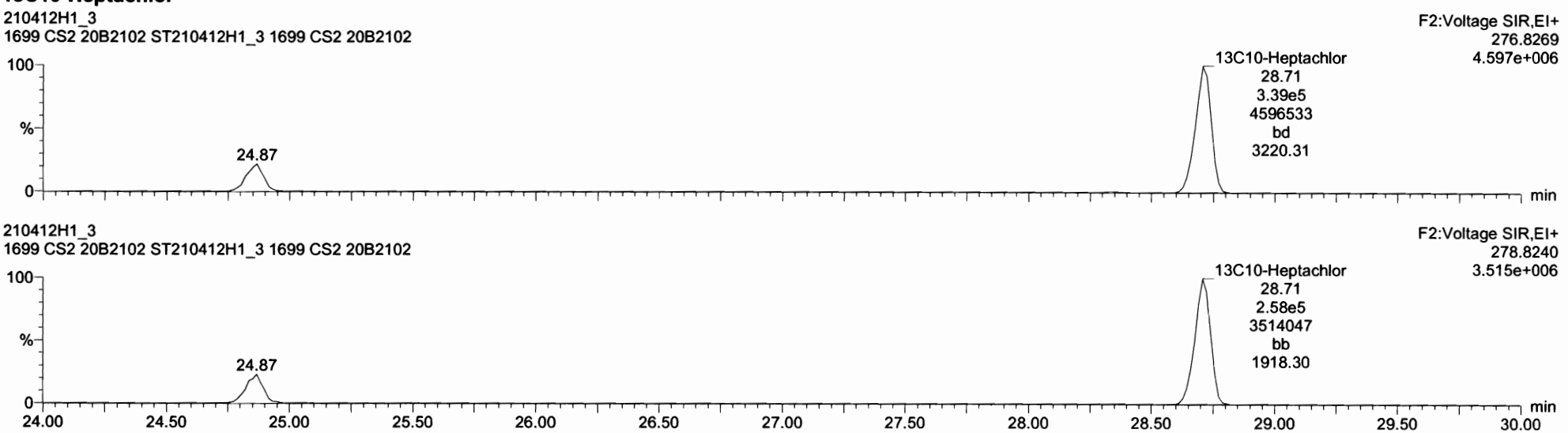
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_3, Date: 12-Apr-2021, Time: 16:39:21, ID: ST210412H1_3 1699 CS2 20B2102, Description: 1699 CS2 20B2102

Heptachlor



13C10-Heptachlor

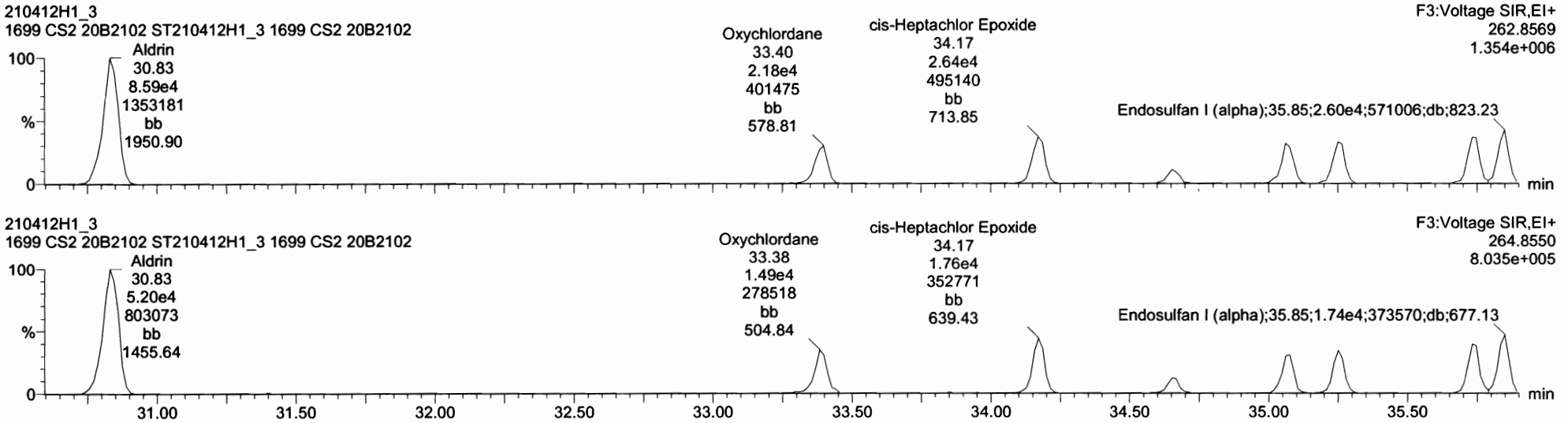


Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

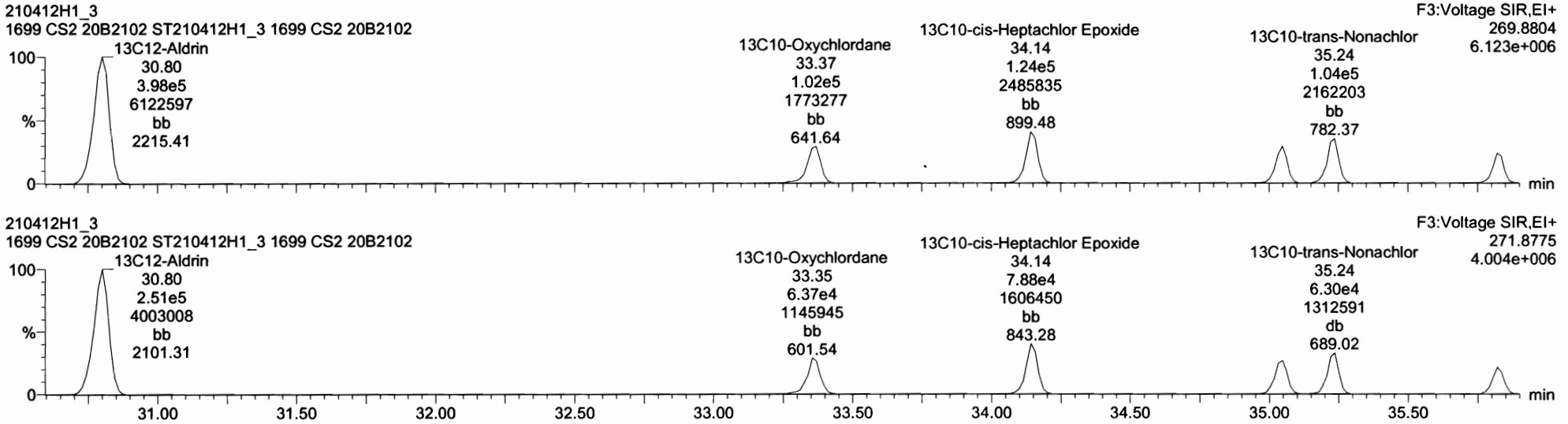
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_3, Date: 12-Apr-2021, Time: 16:39:21, ID: ST210412H1_3 1699 CS2 20B2102, Description: 1699 CS2 20B2102

Aldrin-EI



Aldrin-EI-isotopes

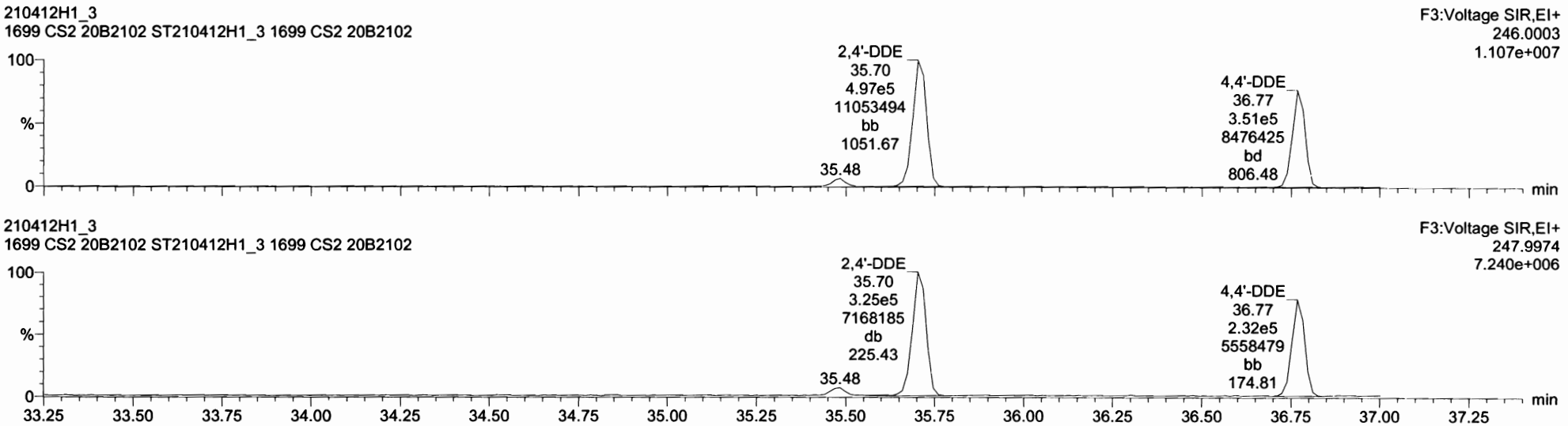


Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

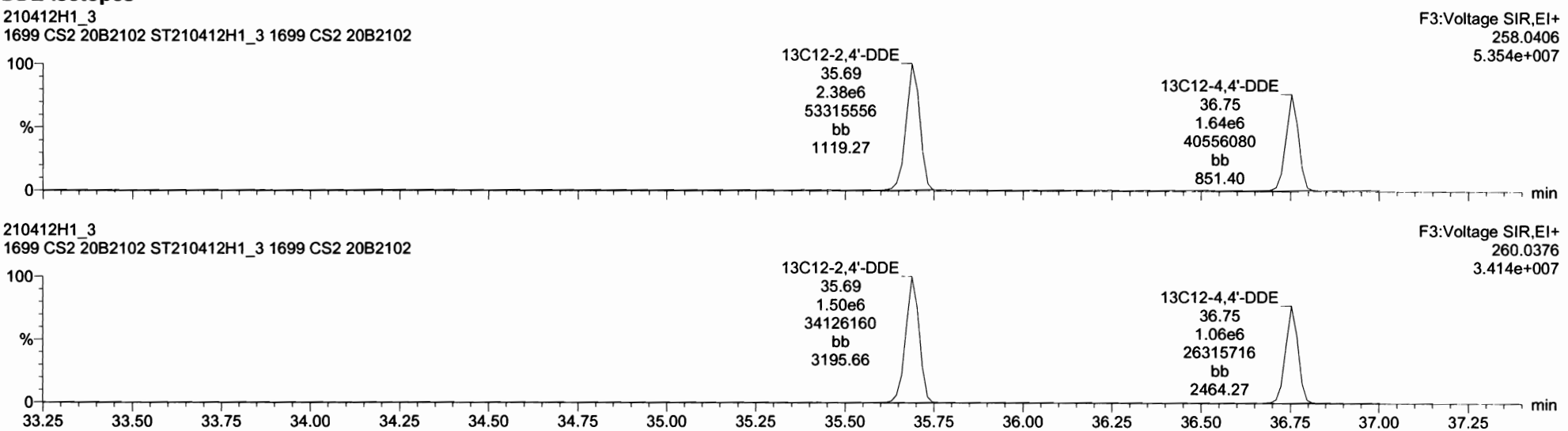
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_3, Date: 12-Apr-2021, Time: 16:39:21, ID: ST210412H1_3 1699 CS2 20B2102, Description: 1699 CS2 20B2102

DDMU-DDE



DDE-isotopes

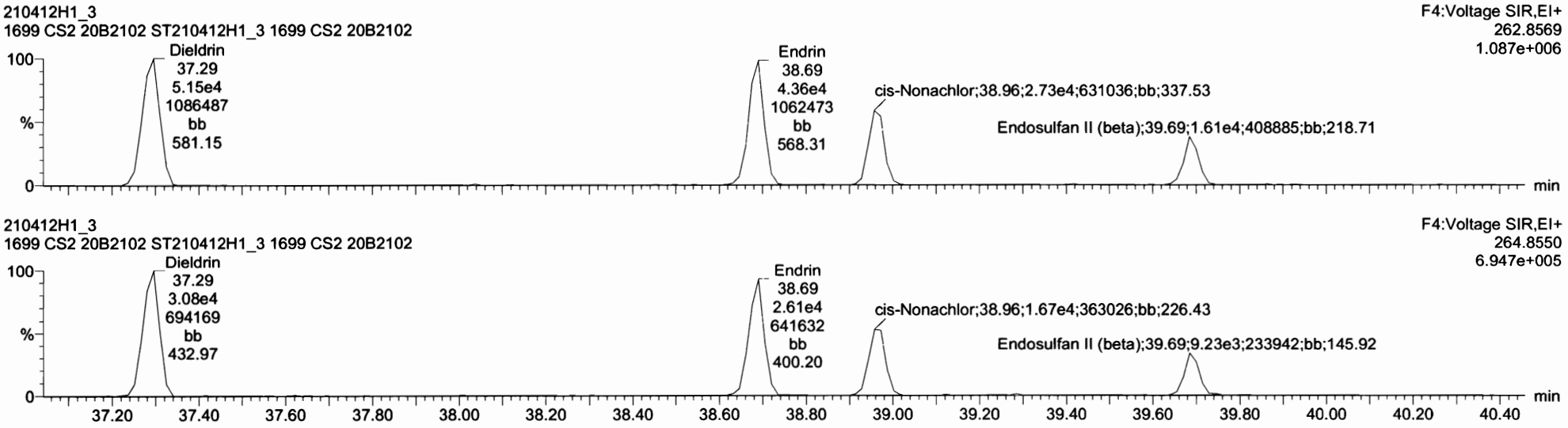


Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

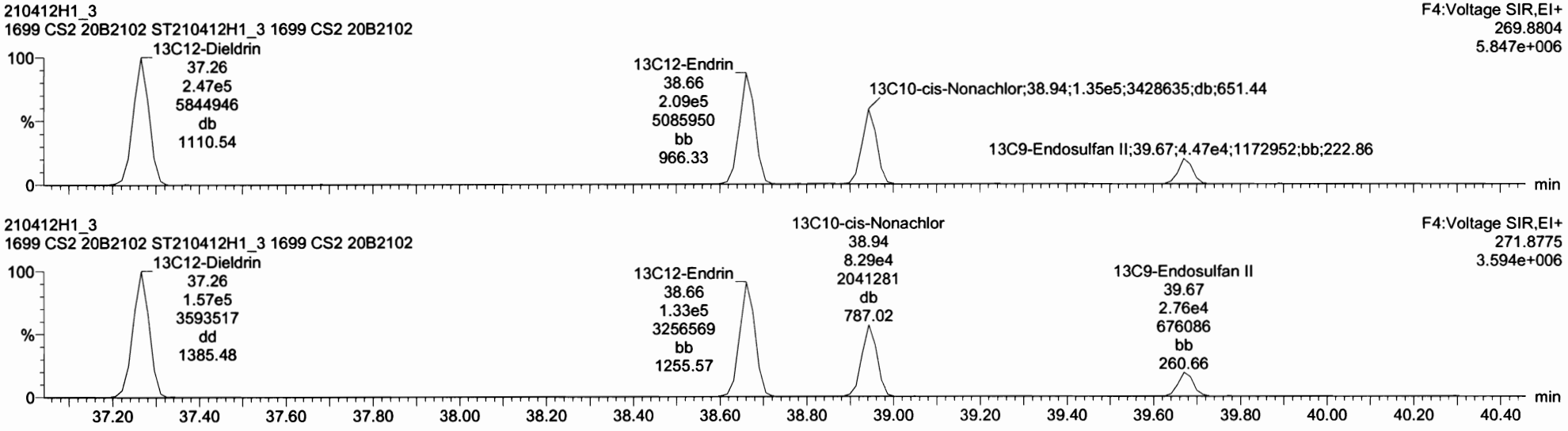
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_3, Date: 12-Apr-2021, Time: 16:39:21, ID: ST210412H1_3 1699 CS2 20B2102, Description: 1699 CS2 20B2102

Dieldrin-EII



Dieldrin-EII-isotopes

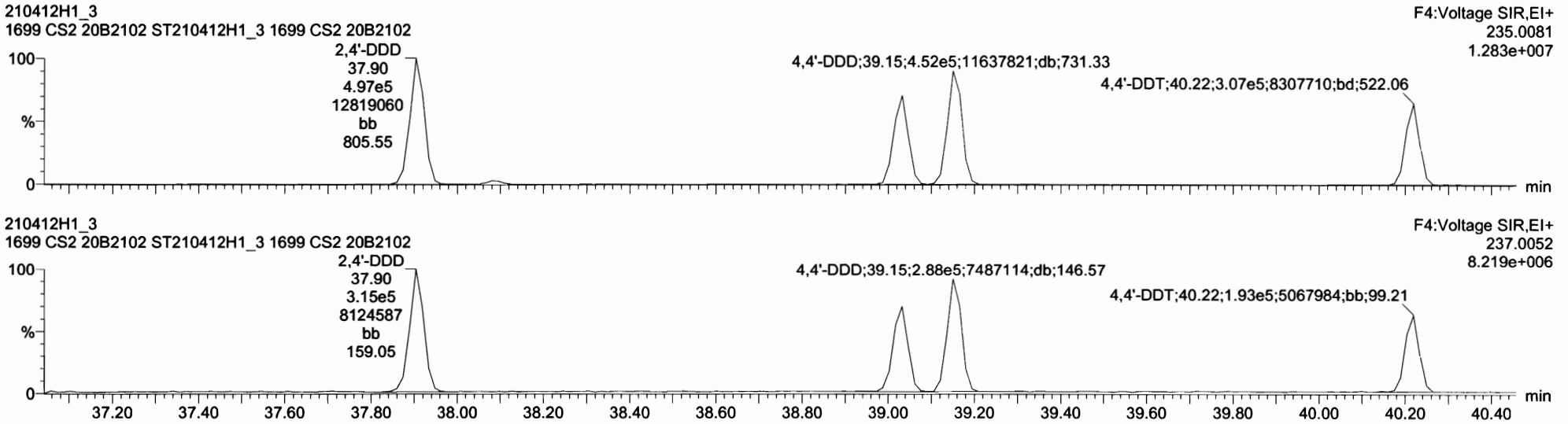


Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

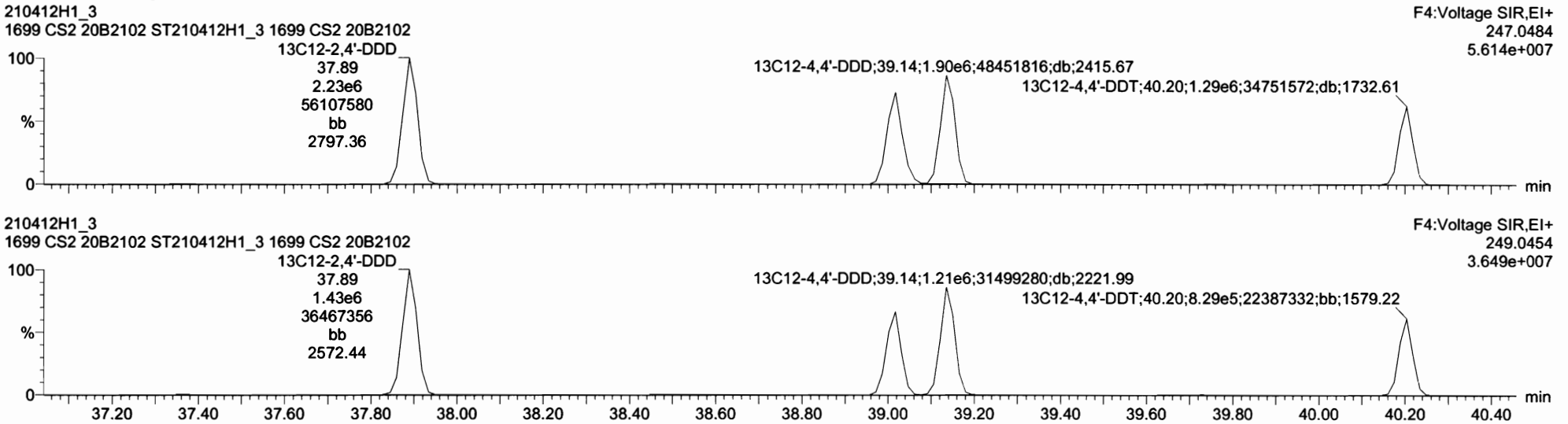
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_3, Date: 12-Apr-2021, Time: 16:39:21, ID: ST210412H1_3 1699 CS2 20B2102, Description: 1699 CS2 20B2102

DDD-DDT



DDD-DDT-isotopes



Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
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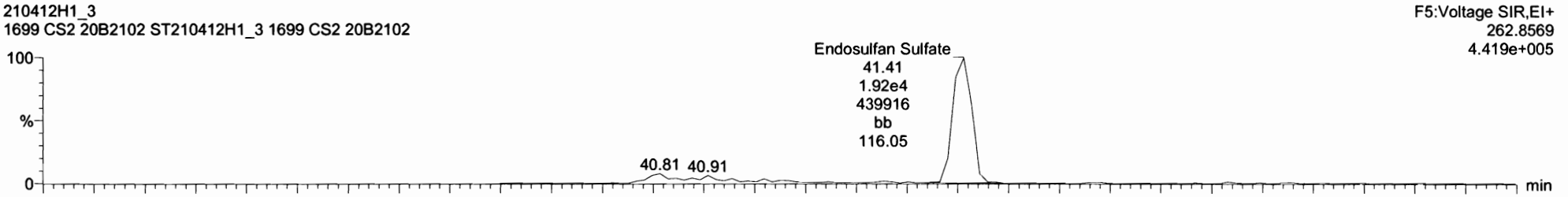
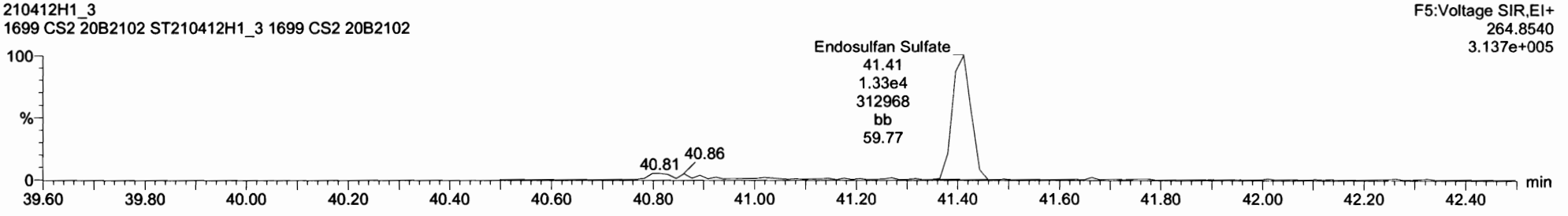
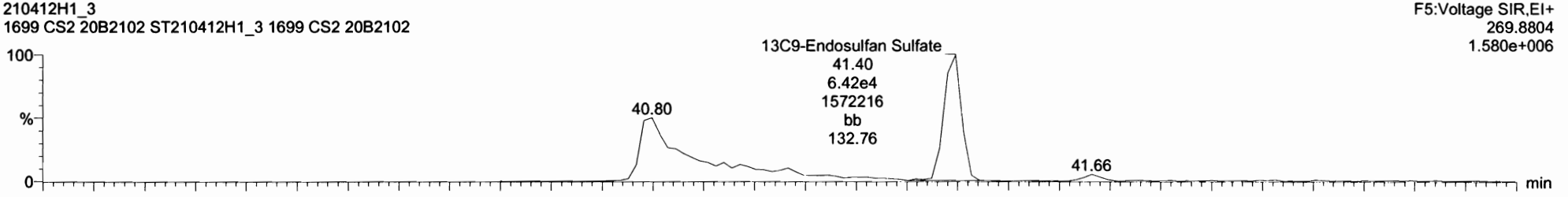
Name: 210412H1_3, Date: 12-Apr-2021, Time: 16:39:21, ID: ST210412H1_3 1699 CS2 20B2102, Description: 1699 CS2 20B2102

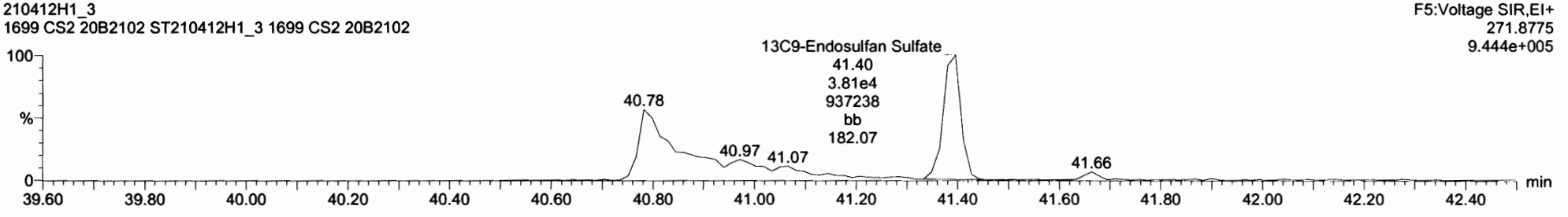
Endosulfan Sulfate





13C9-Endosulfan Sulfate



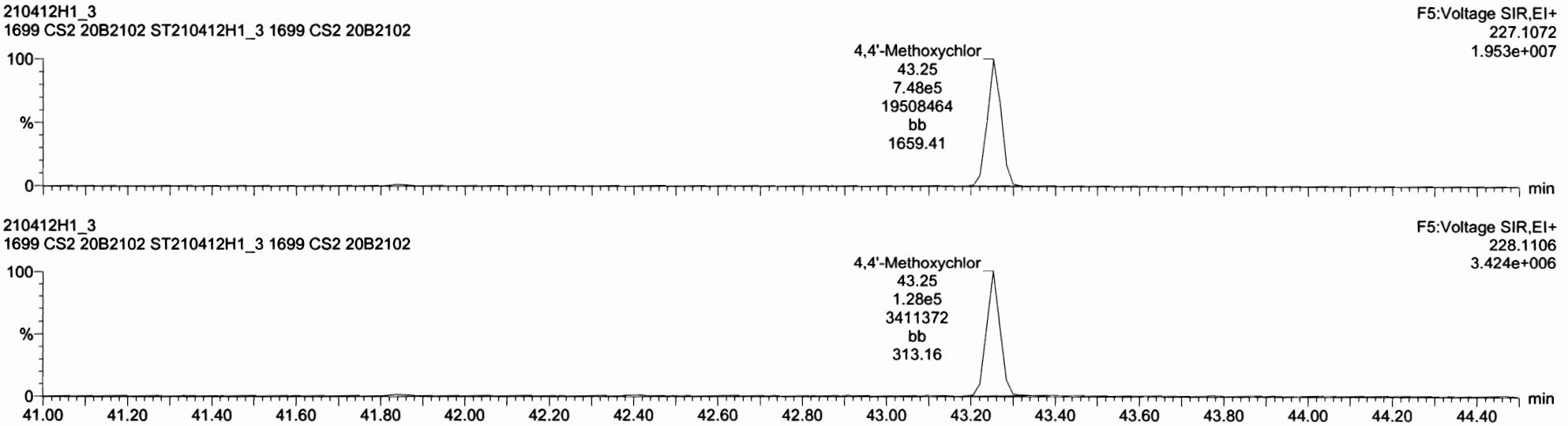


Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

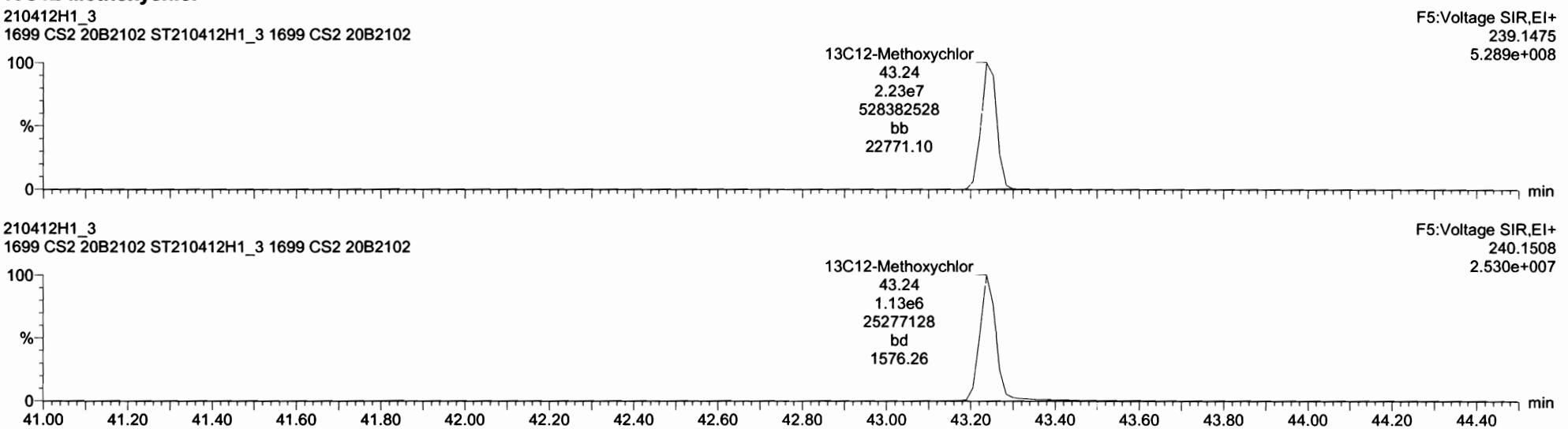
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_3, Date: 12-Apr-2021, Time: 16:39:21, ID: ST210412H1_3 1699 CS2 20B2102, Description: 1699 CS2 20B2102

4,4'-Methoxychlor



13C12-Methoxychlor



Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
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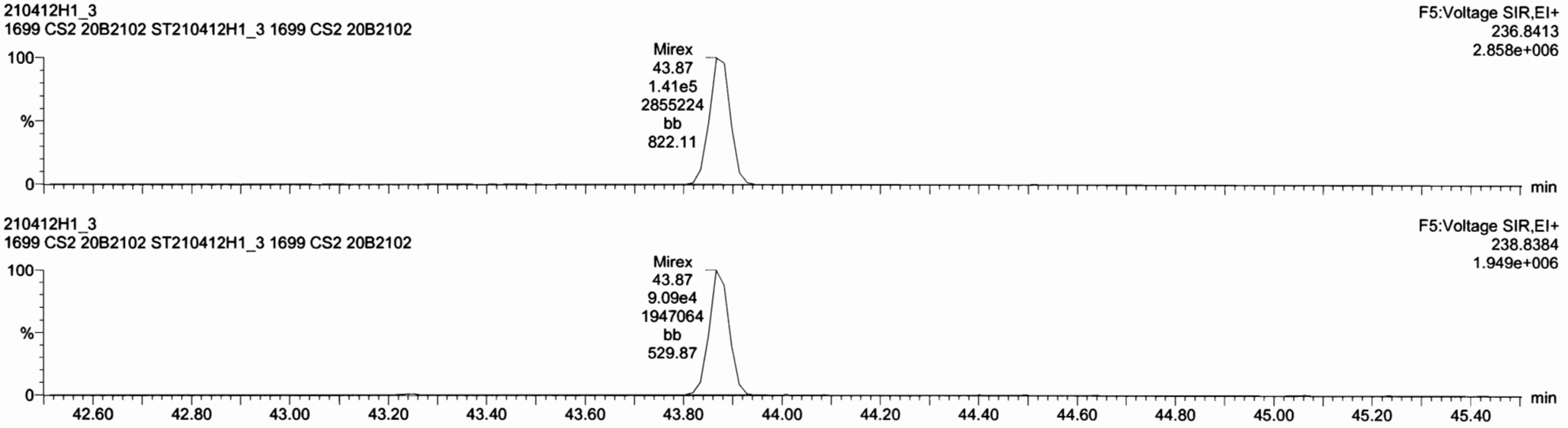
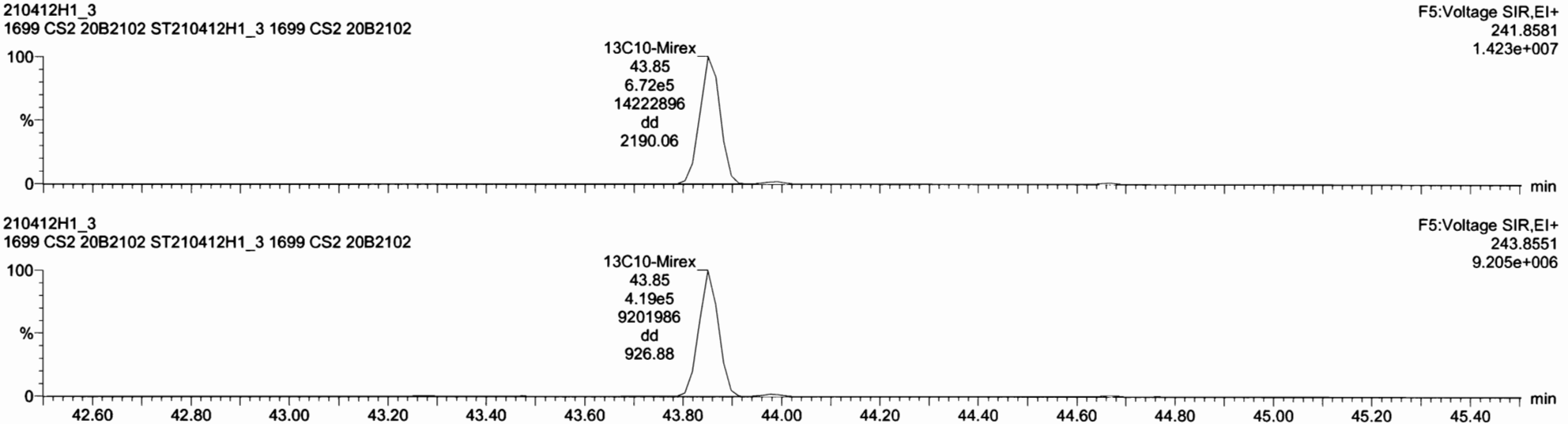
Name: 210412H1_3, Date: 12-Apr-2021, Time: 16:39:21, ID: ST210412H1_3 1699 CS2 20B2102, Description: 1699 CS2 20B2102

Mirex



13C10-Mirex



Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
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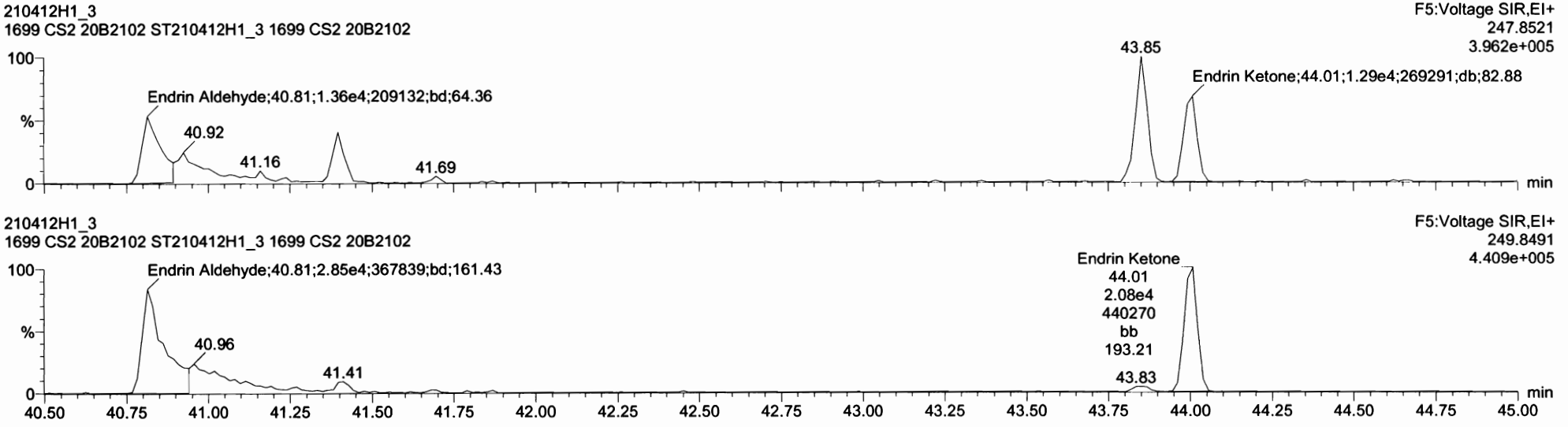
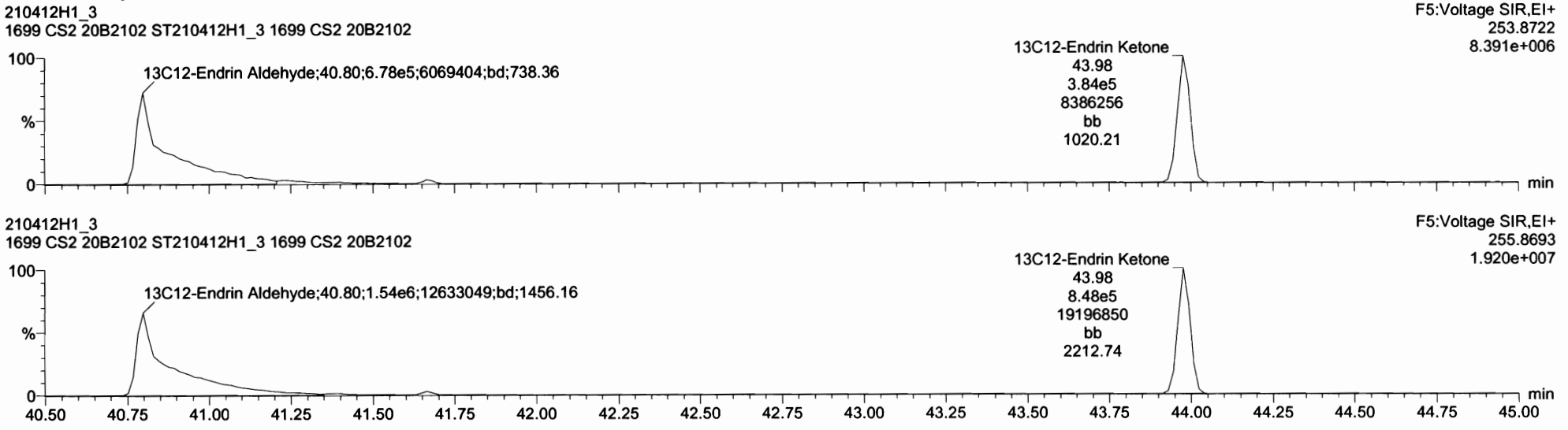
Name: 210412H1_3, Date: 12-Apr-2021, Time: 16:39:21, ID: ST210412H1_3 1699 CS2 20B2102, Description: 1699 CS2 20B2102

EA-EK



EA-EK-isotopes



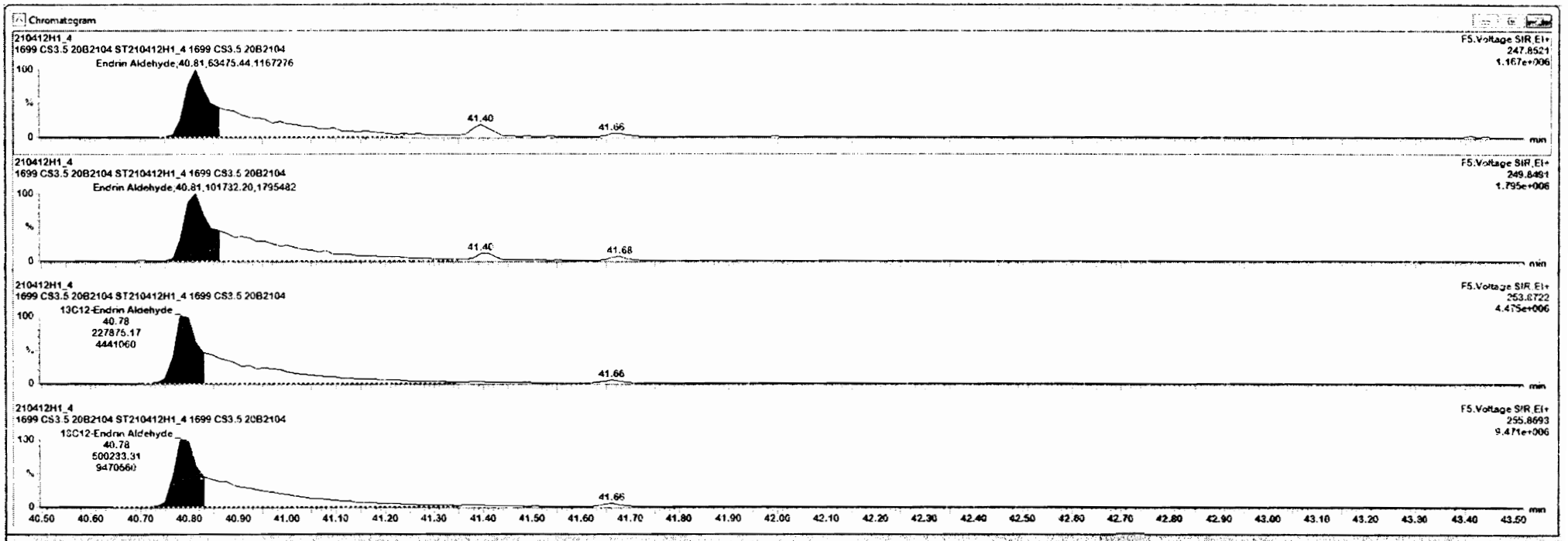
TargetLynx - 210412H1_CRV.qld *

File Edit View Display Processing Window Help

210412H1_4 - ST210412H1_4 1699 CS3.5 20B2104 - 1699 CS3.5 20B2104

	It..	Name	RT	Re..	y.n	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M..	RRF SD
31	31	Endrin Aldehyde	40.81	0.624	NO	1.1521e5	7.2811e5	100.000	10.5	10.7	1.03	0.110
32	32	Endrin ketone	42.99	0.810	NO	1.1503e5	9.0794e5	100.000	-40.1	4.56	0.928	0.0423
33	33	13C4-Hexachlorobutadiene	9.08	1.276	NO	6.4680e6	3.7898e6	500.000	6.2	29.1	0.162	0.0457
34	34	13C6-Hexachlorobenzene	22.69	1.280	NO	3.2544e6	3.7898e6	50.000	-0.9	1.38	0.867	0.0119
35	35	13C6-Alpha-BHC	20.23	0.788	NO	9.5452e5	3.7898e6	50.000	-2.9	3.83	0.208	0.00938
36	36	13C6-Lindane (gamma)	28.57	0.792	NO	7.1108e5	3.7898e6	50.000	-3.1	3.92	0.154	0.00755
37	37	13C6-Beta-BHC	28.99	0.801	NO	5.2883e5	3.7898e6	50.000	-2.9	5.67	0.143	0.00815
38	38	13C6-Delta-BHC	30.25	0.797	NO	6.1865e5	3.7898e6	50.000	-2.1	7.55	0.168	0.0132
39	39	13C10-Heptachlor	28.71	1.267	NO	6.4457e5	3.7898e6	50.000	-3.1	6.82	0.142	0.0101
40	40	13C12-Aldrin	30.80	1.503	NO	5.9330e5	3.7898e6	50.000	-2.5	2.96	0.154	0.00456
41	41	13C10-Oxychlordane	33.35	1.592	NO	1.4313e5	3.7898e6	50.000	-2.6	8.24	0.0404	0.00333
42	42	13C10-cis-Heptachlor Epo	34.14	1.602	NO	1.7857e5	3.7898e6	50.000	-4.5	6.66	0.0492	0.00328

Chromatogram



Ready

210412H1_4

NUM

Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
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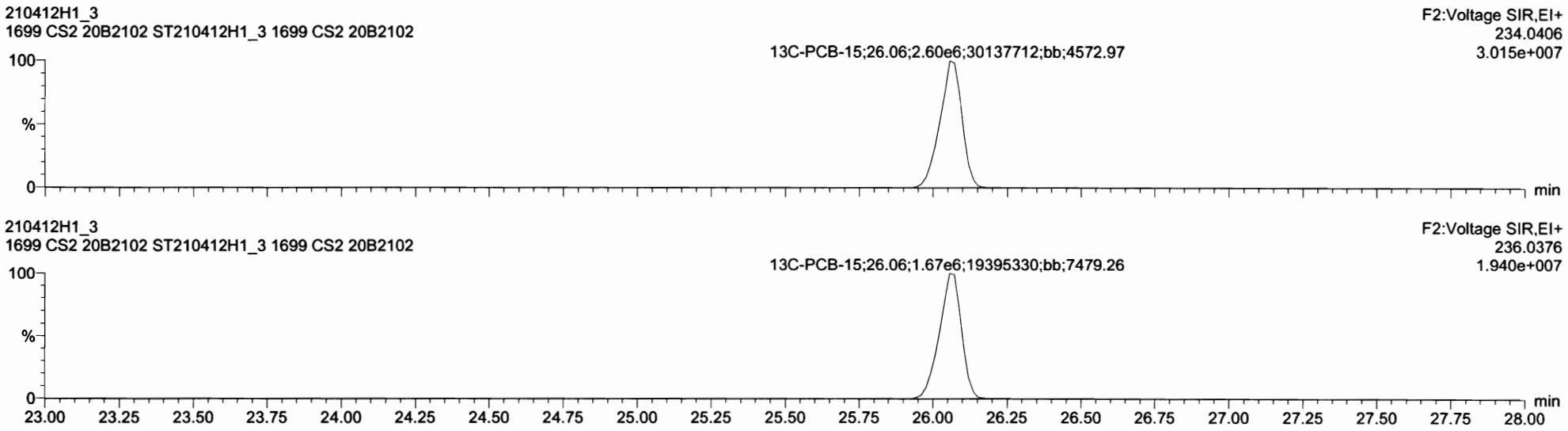
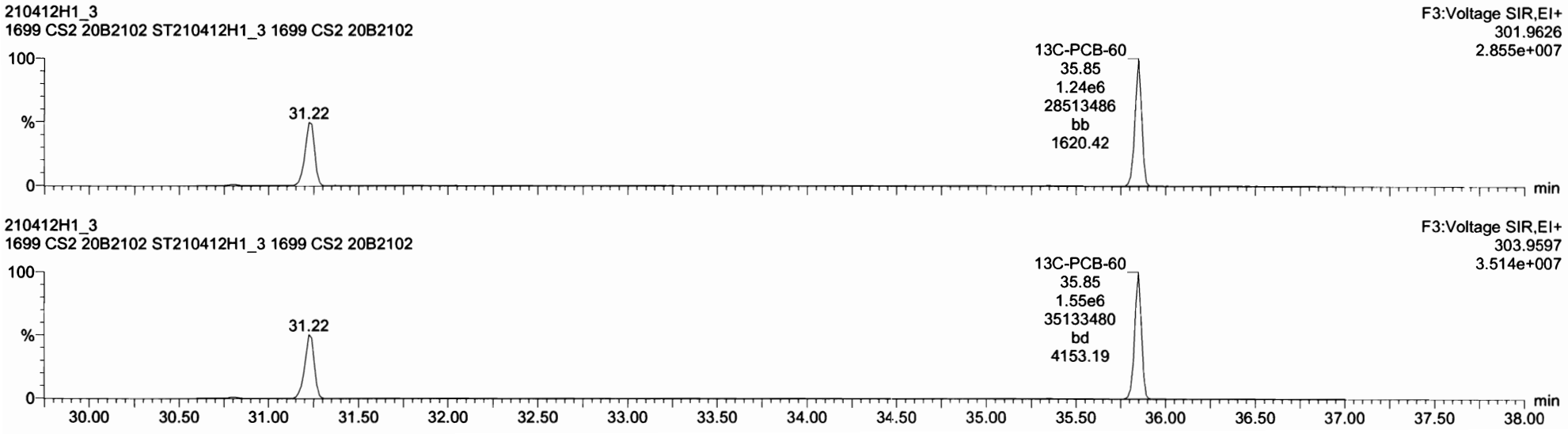
Name: 210412H1_3, Date: 12-Apr-2021, Time: 16:39:21, ID: ST210412H1_3 1699 CS2 20B2102, Description: 1699 CS2 20B2102

13C-PCB-15



13C-PCB-60

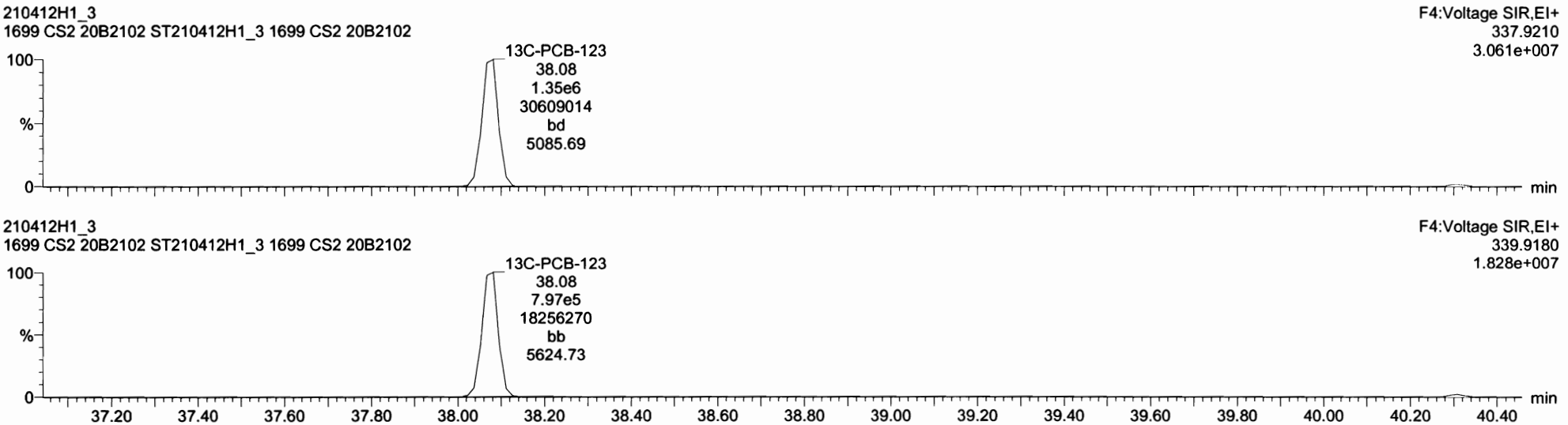


Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

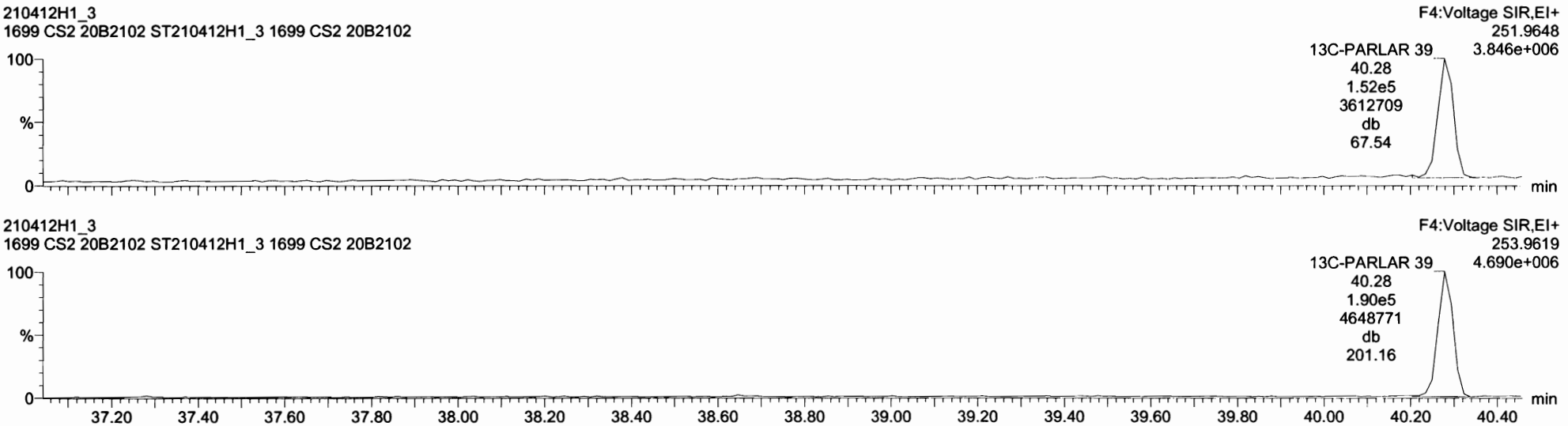
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_3, Date: 12-Apr-2021, Time: 16:39:21, ID: ST210412H1_3 1699 CS2 20B2102, Description: 1699 CS2 20B2102

13C-PCB-123



13C-PARLAR 39



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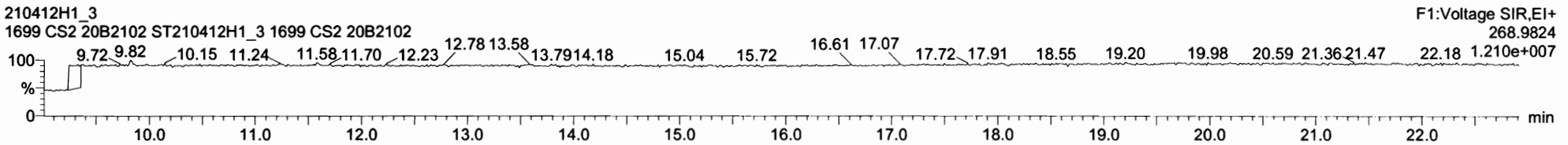
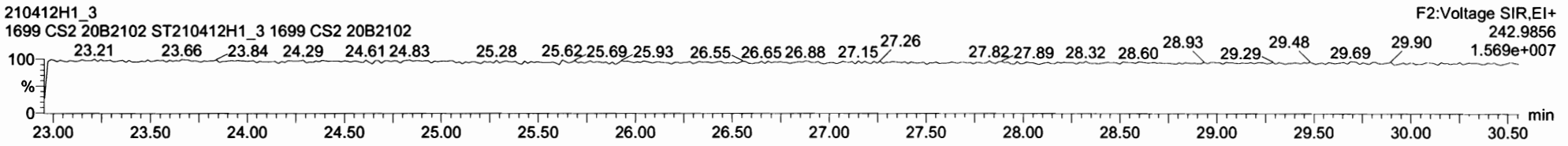
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_3, Date: 12-Apr-2021, Time: 16:39:21, ID: ST210412H1_3 1699 CS2 20B2102, Description: 1699 CS2 20B2102

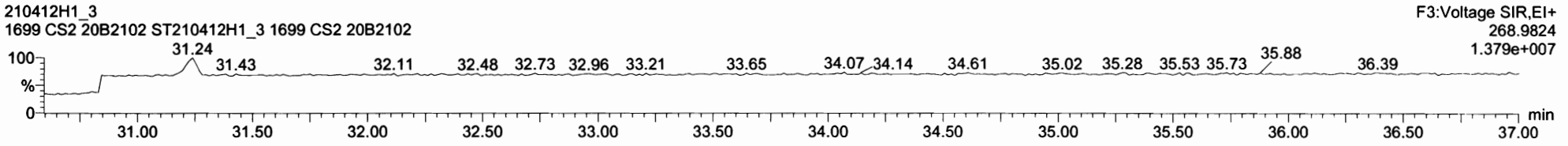
PFK1



PFK2



PFK3



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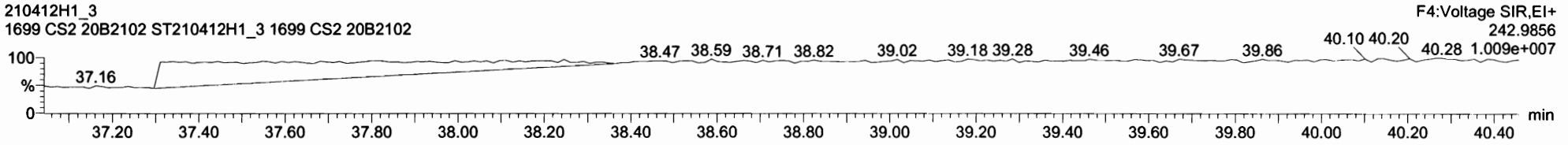

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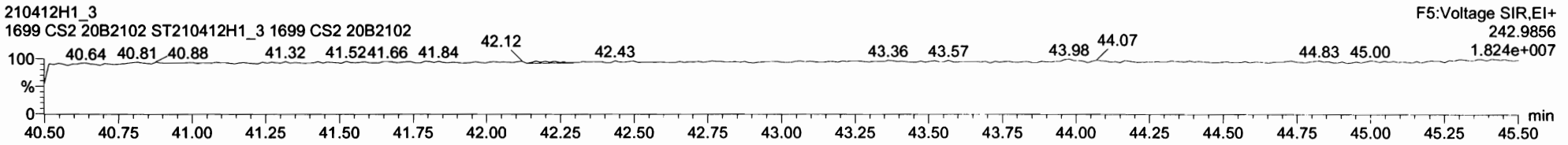
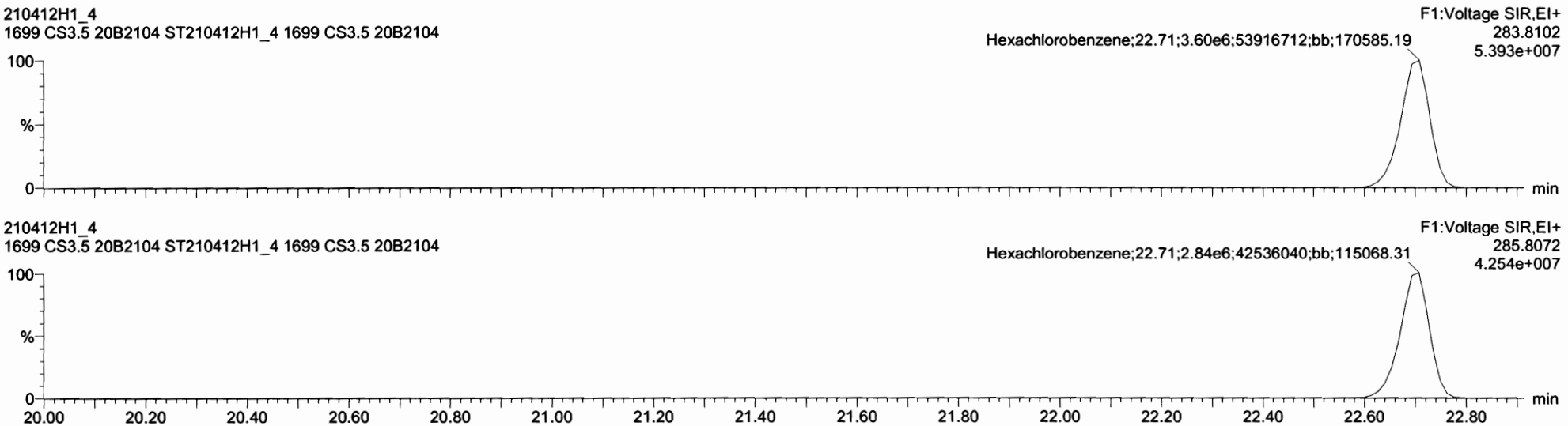


Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

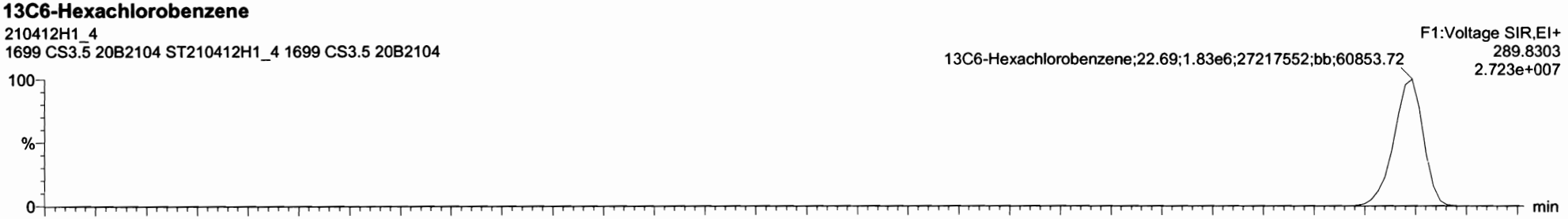
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

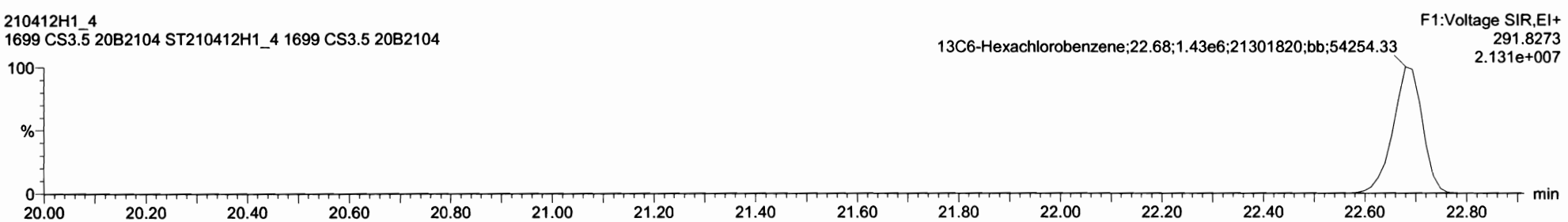
Name: 210412H1_4, Date: 12-Apr-2021, Time: 17:26:09, ID: ST210412H1_4 1699 CS3.5 20B2104, Description: 1699 CS3.5 20B2104

Hexachlorobenzene



13C6-Hexachlorobenzene





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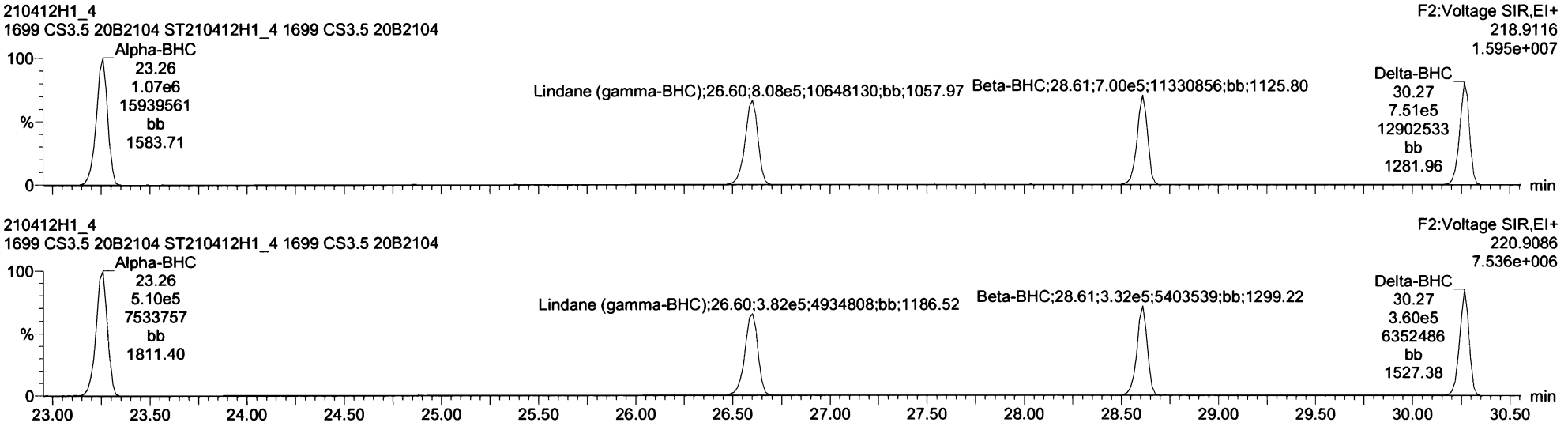
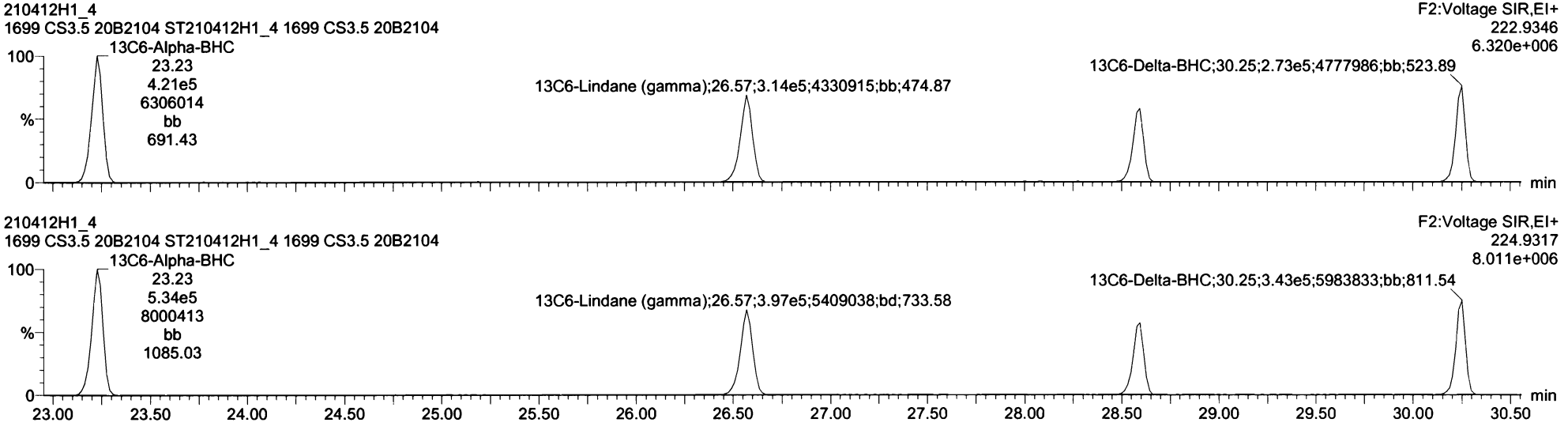
Name: 210412H1_4, Date: 12-Apr-2021, Time: 17:26:09, ID: ST210412H1_4 1699 CS3.5 20B2104, Description: 1699 CS3.5 20B2104

BHC Totals



BHC-isotopes



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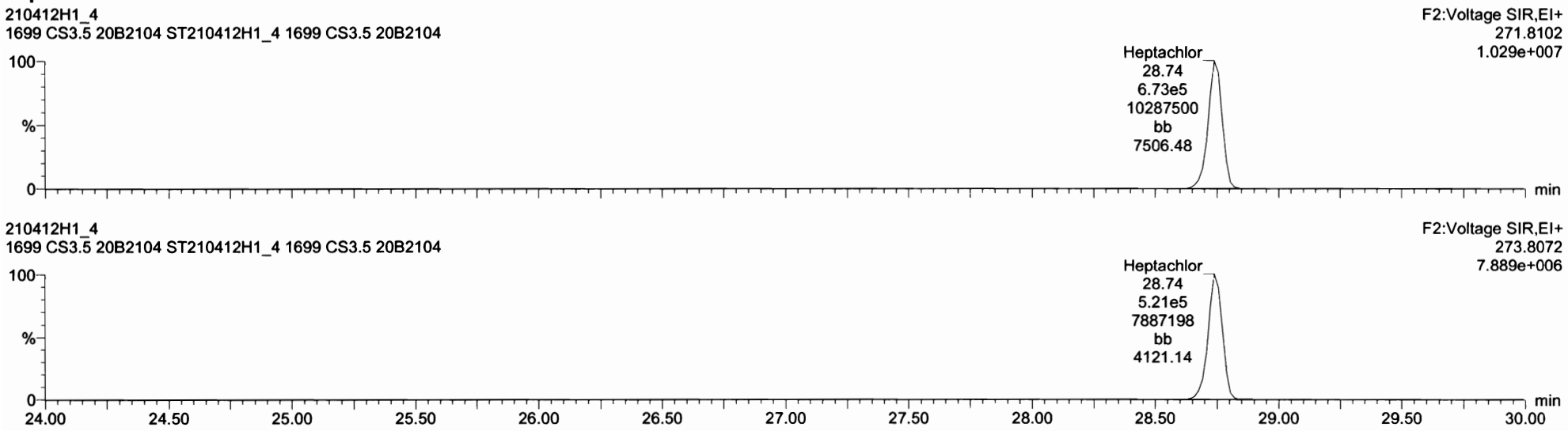
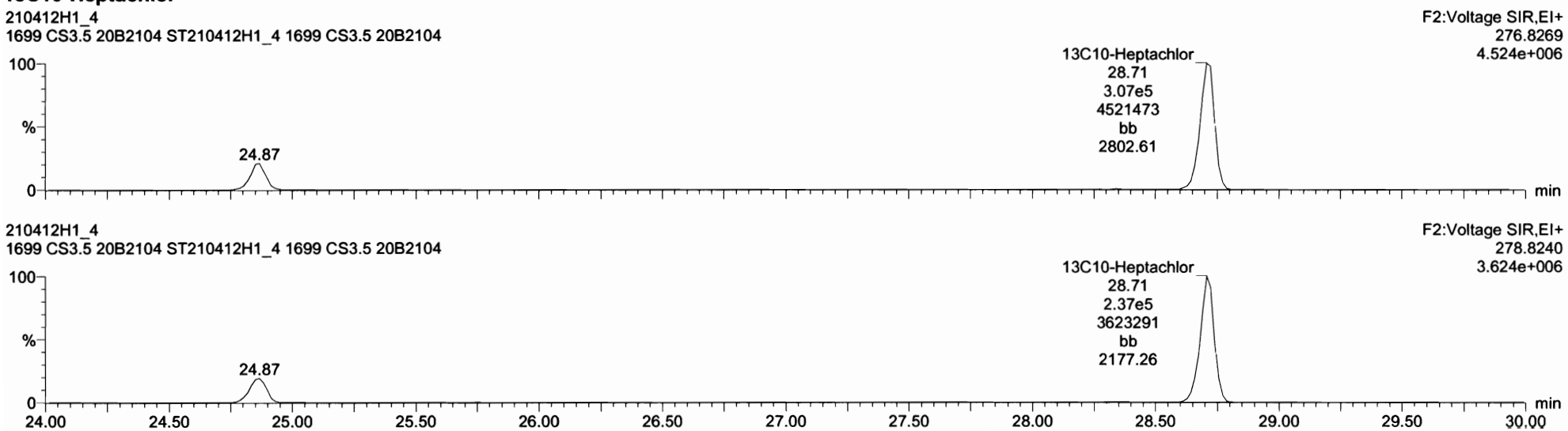
Name: 210412H1_4, Date: 12-Apr-2021, Time: 17:26:09, ID: ST210412H1_4 1699 CS3.5 20B2104, Description: 1699 CS3.5 20B2104

Heptachlor



13C10-Heptachlor



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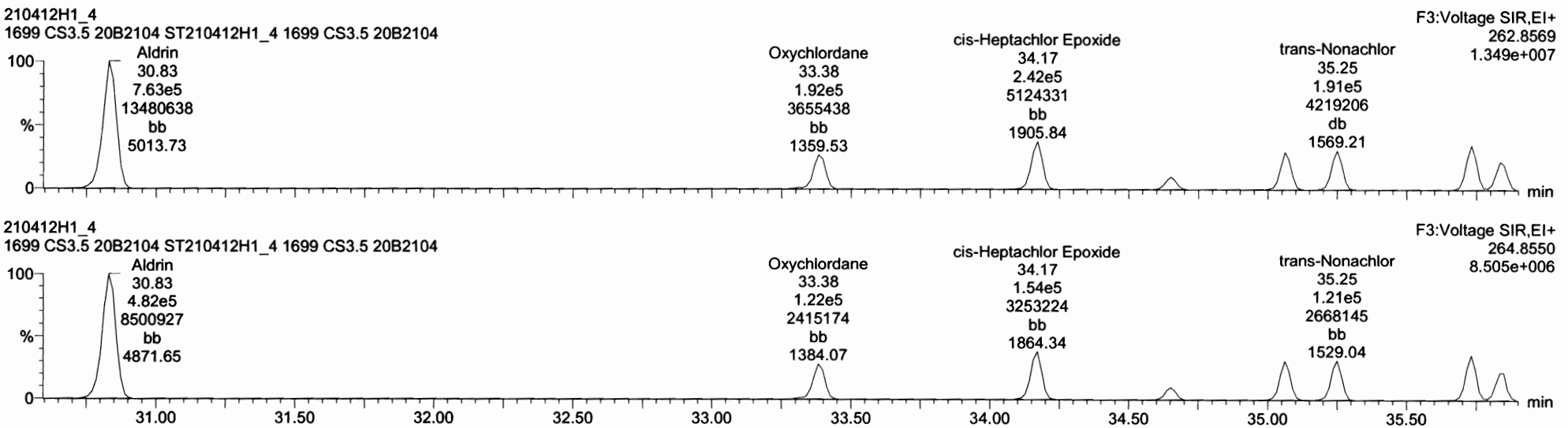
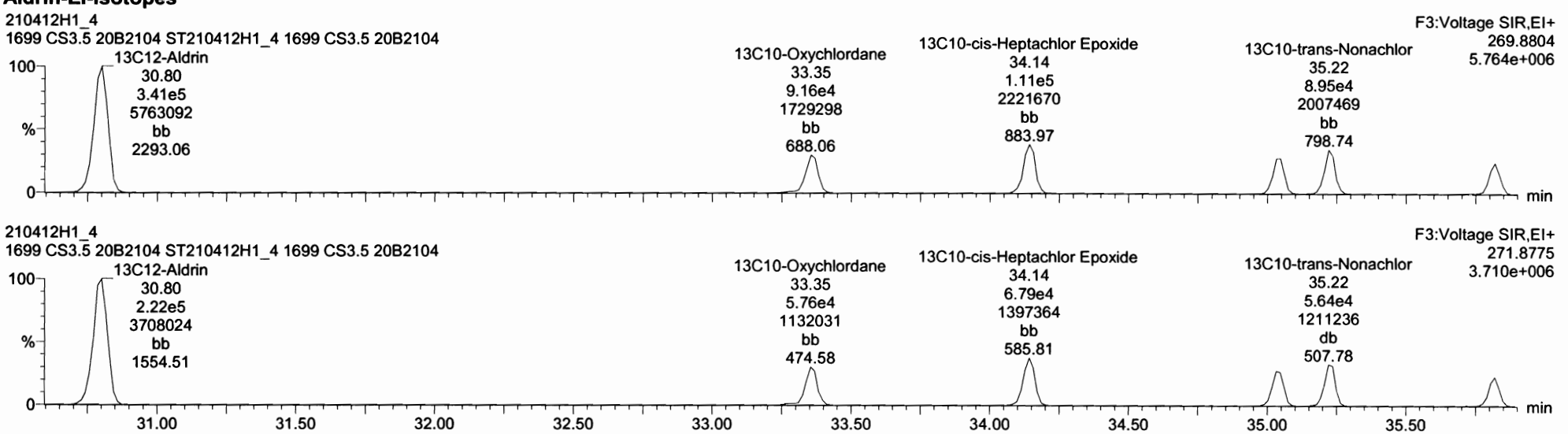
Name: 210412H1_4, Date: 12-Apr-2021, Time: 17:26:09, ID: ST210412H1_4 1699 CS3.5 20B2104, Description: 1699 CS3.5 20B2104

Aldrin-EI



Aldrin-EI-isotopes



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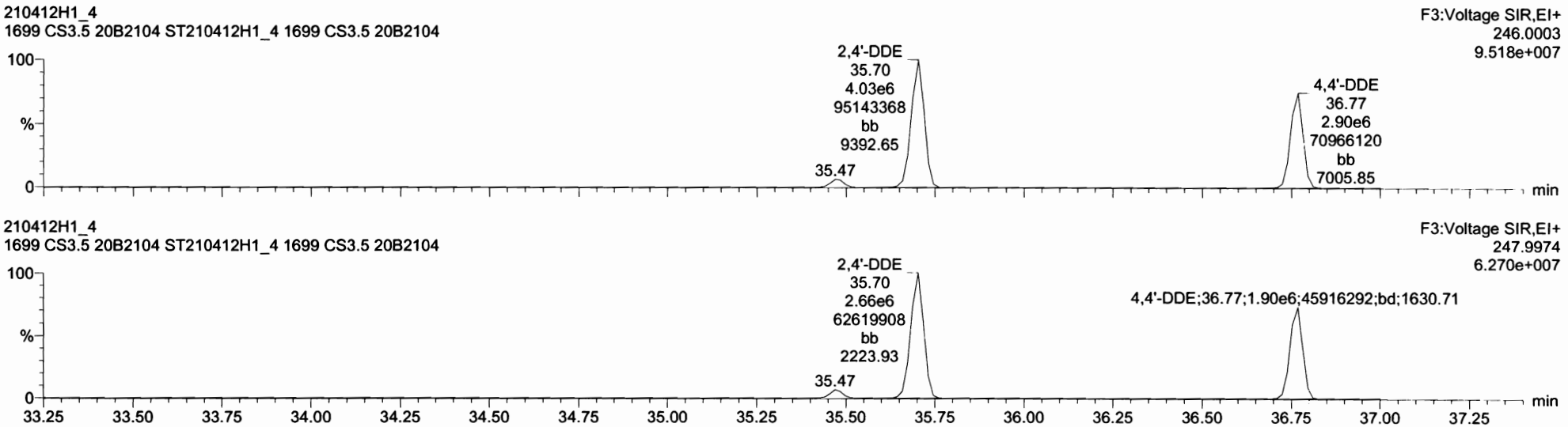
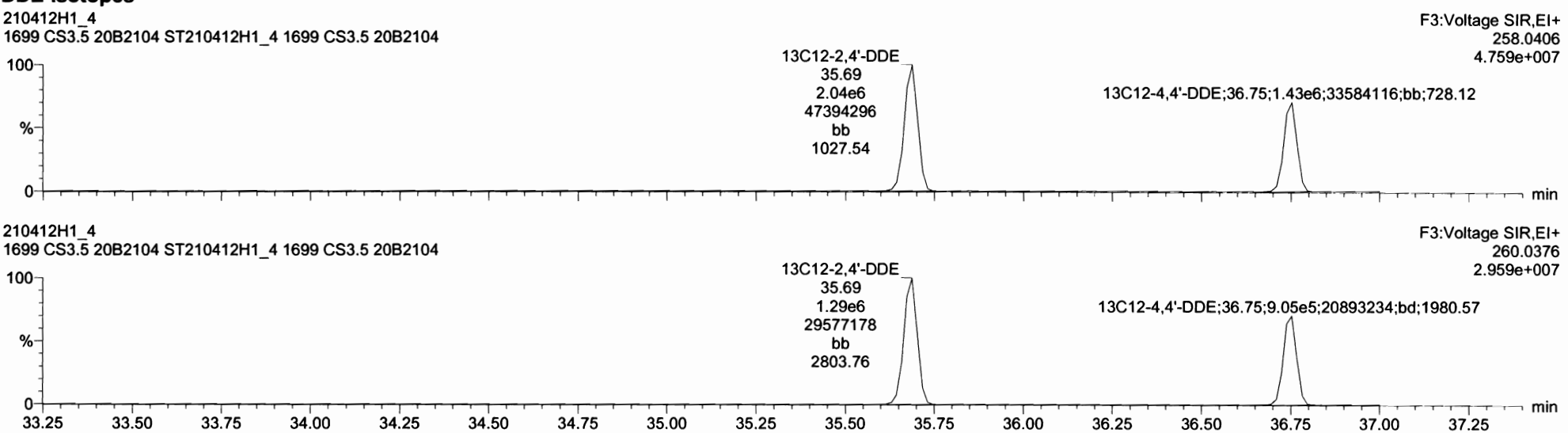
DDMU-DDE



DDE-isotopes



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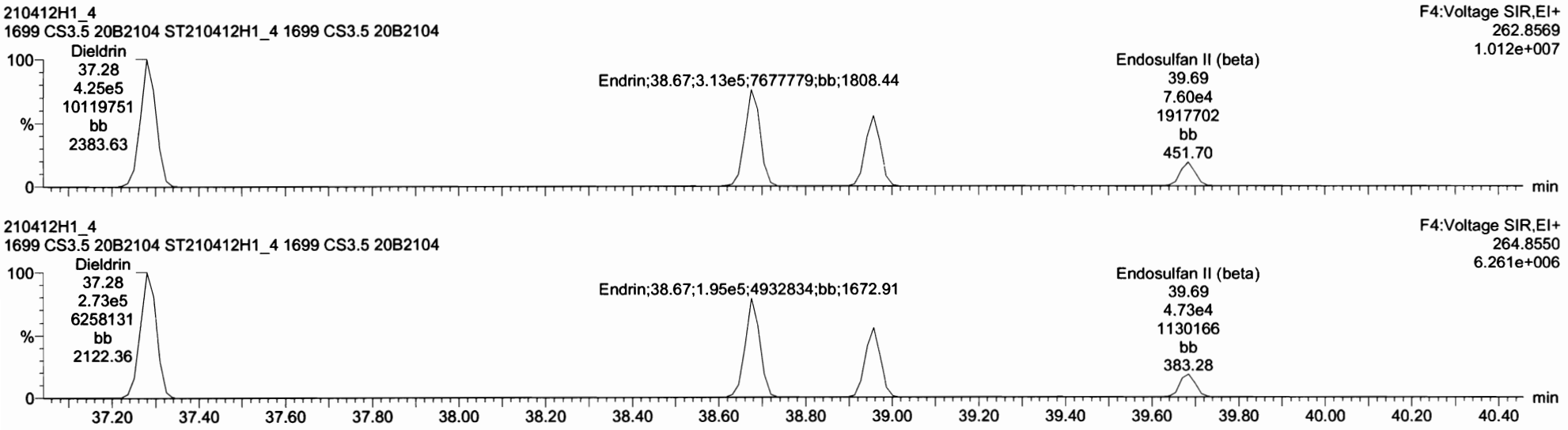
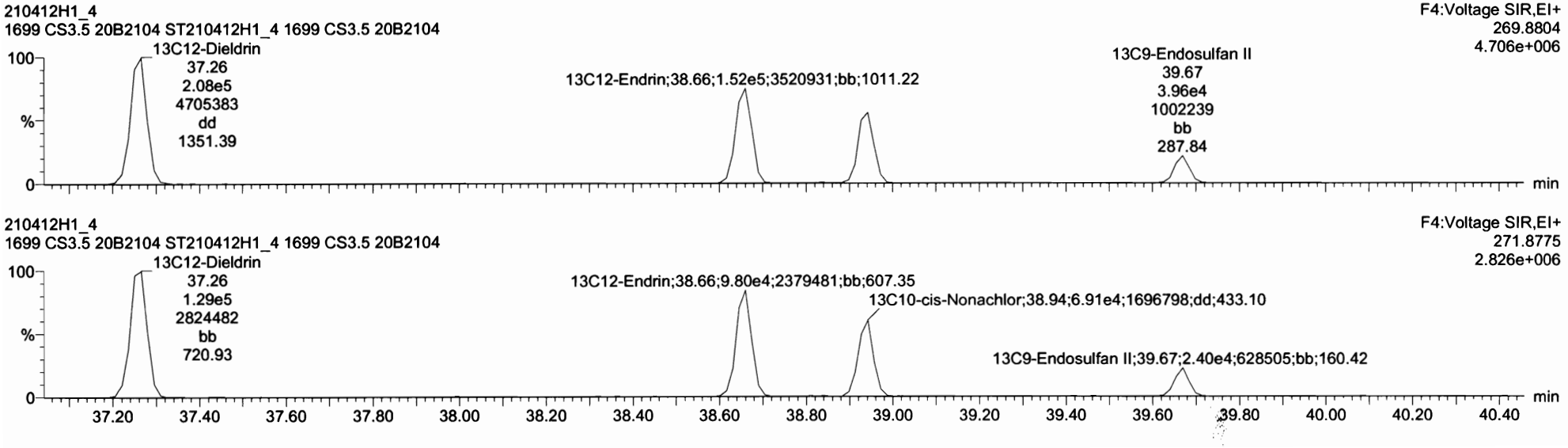
Name: 210412H1_4, Date: 12-Apr-2021, Time: 17:26:09, ID: ST210412H1_4 1699 CS3.5 20B2104, Description: 1699 CS3.5 20B2104

Dieldrin-EII



Dieldrin-EII-isotopes



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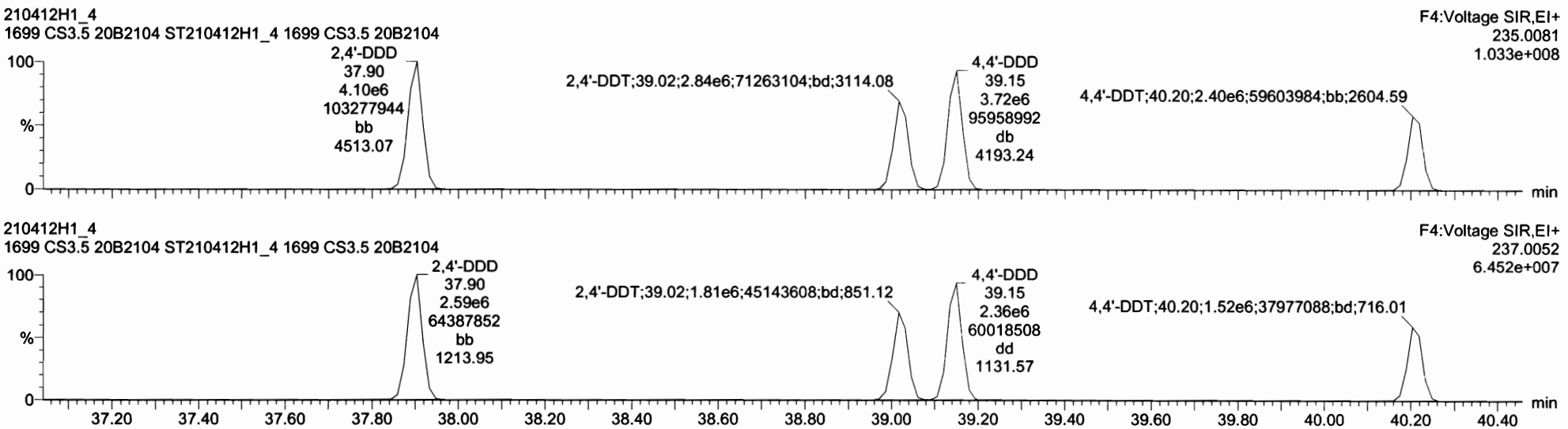
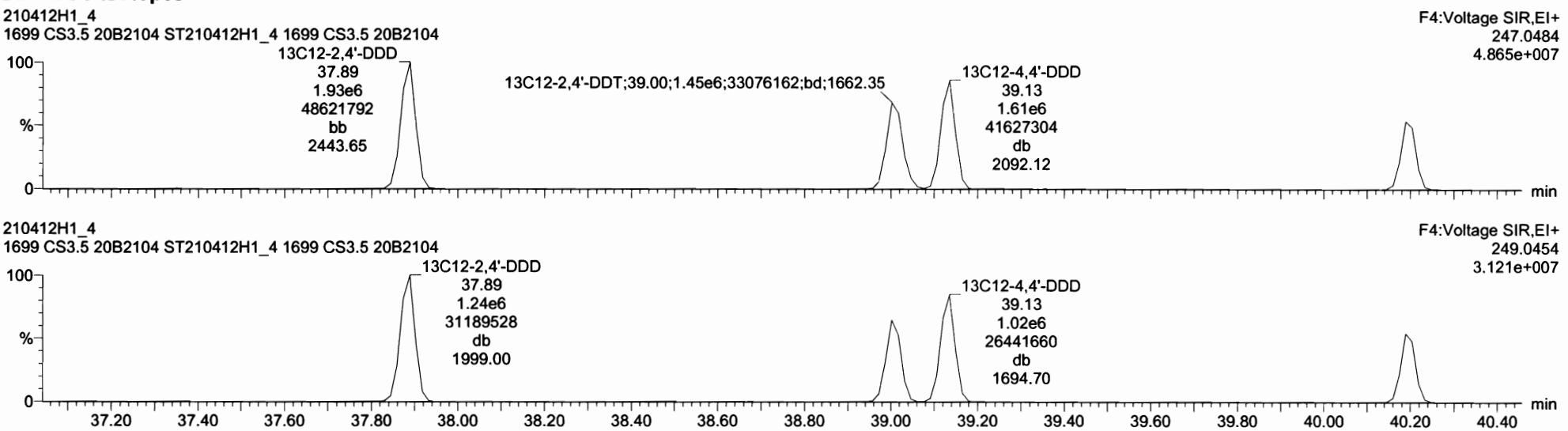
DDD-DDT



DDD-DDT-isotopes



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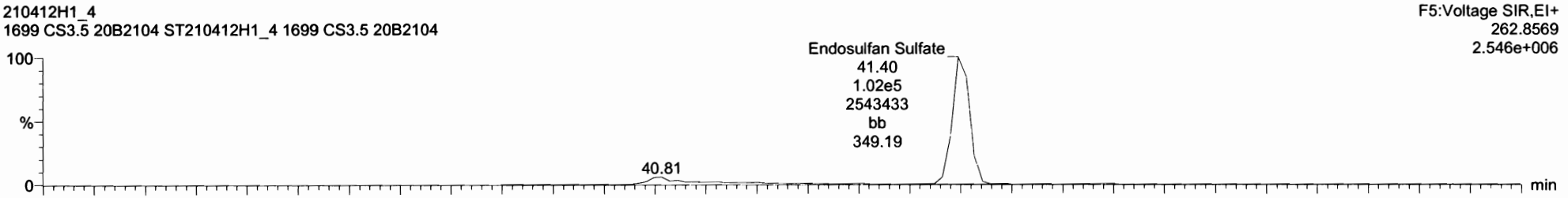
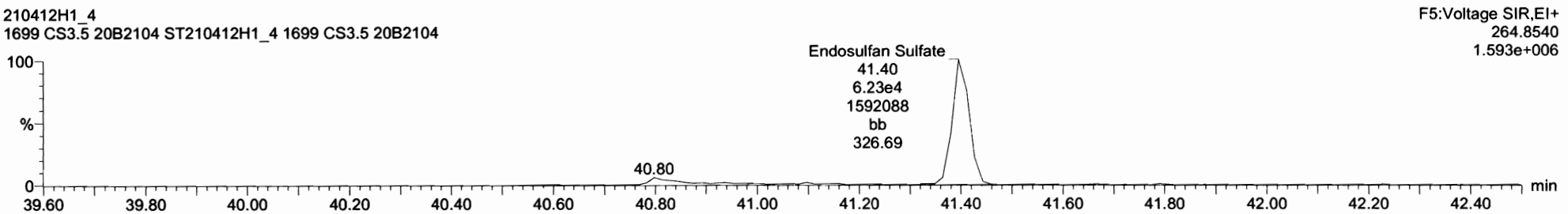
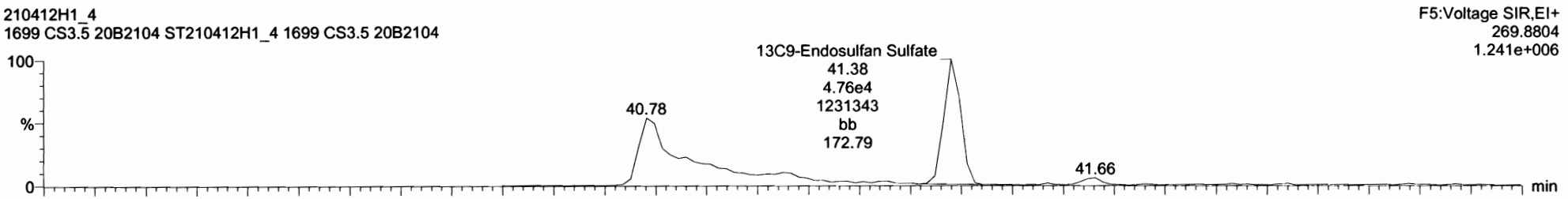
Name: 210412H1_4, Date: 12-Apr-2021, Time: 17:26:09, ID: ST210412H1_4 1699 CS3.5 20B2104, Description: 1699 CS3.5 20B2104

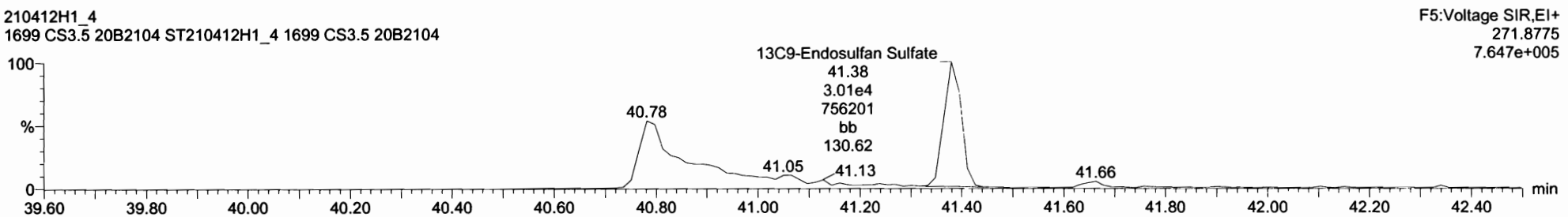
Endosulfan Sulfate





13C9-Endosulfan Sulfate





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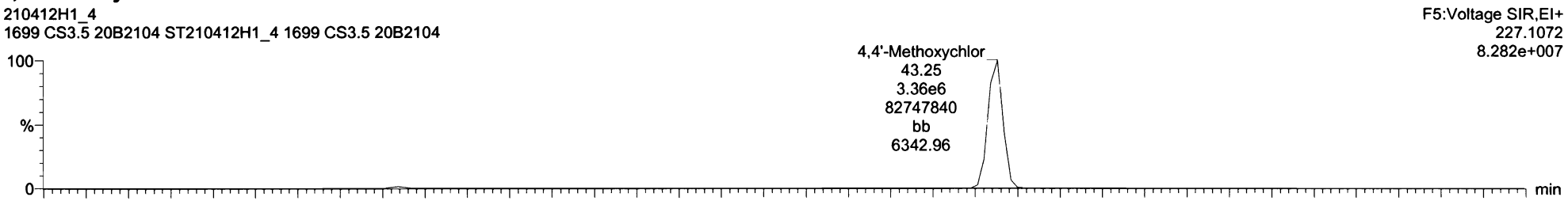
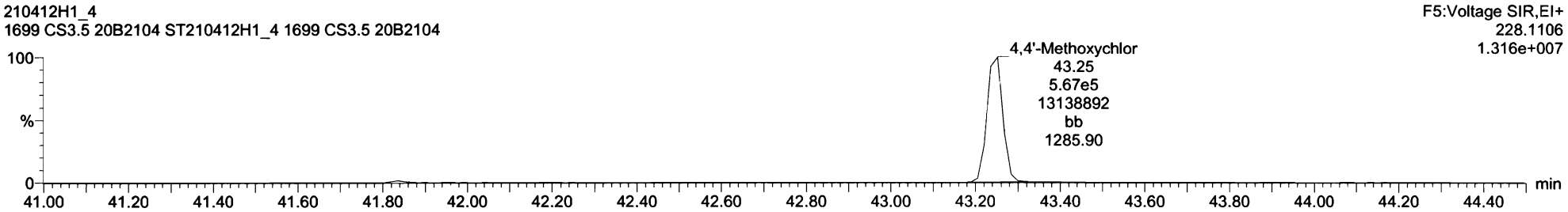
Name: 210412H1_4, Date: 12-Apr-2021, Time: 17:26:09, ID: ST210412H1_4 1699 CS3.5 20B2104, Description: 1699 CS3.5 20B2104

4,4'-Methoxychlor





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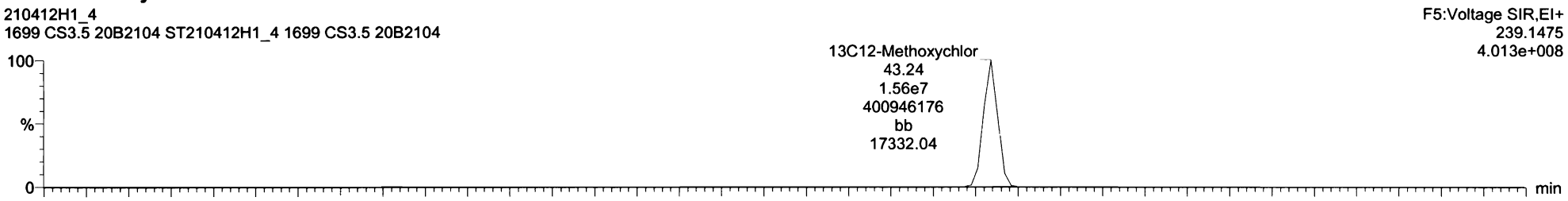

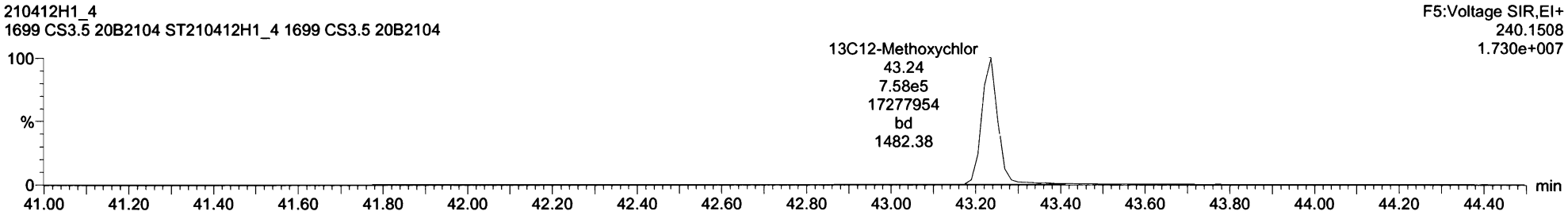

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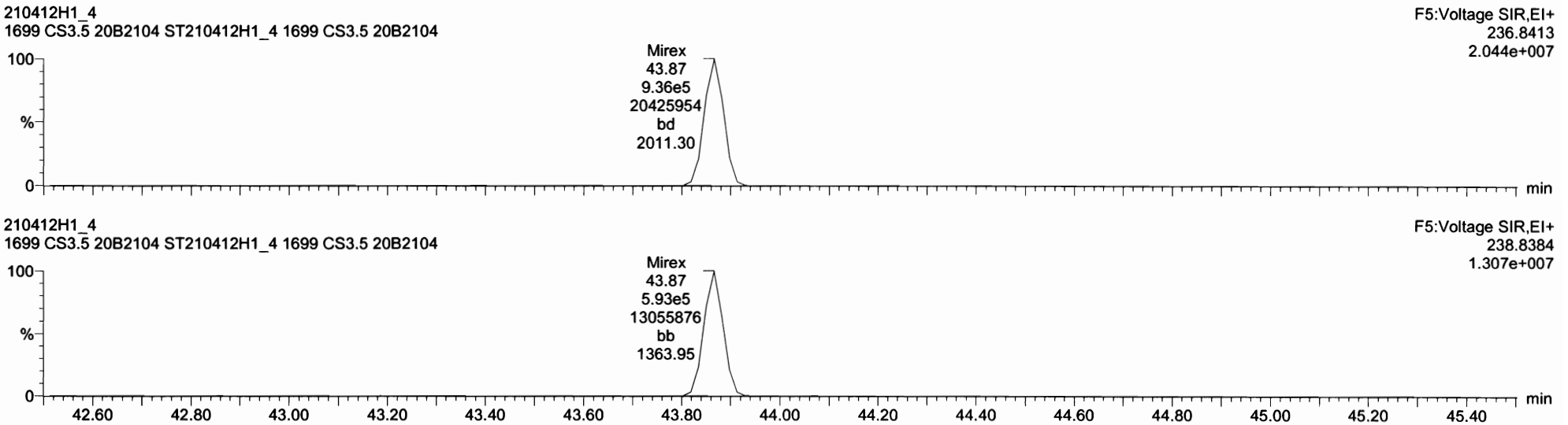
Mirex



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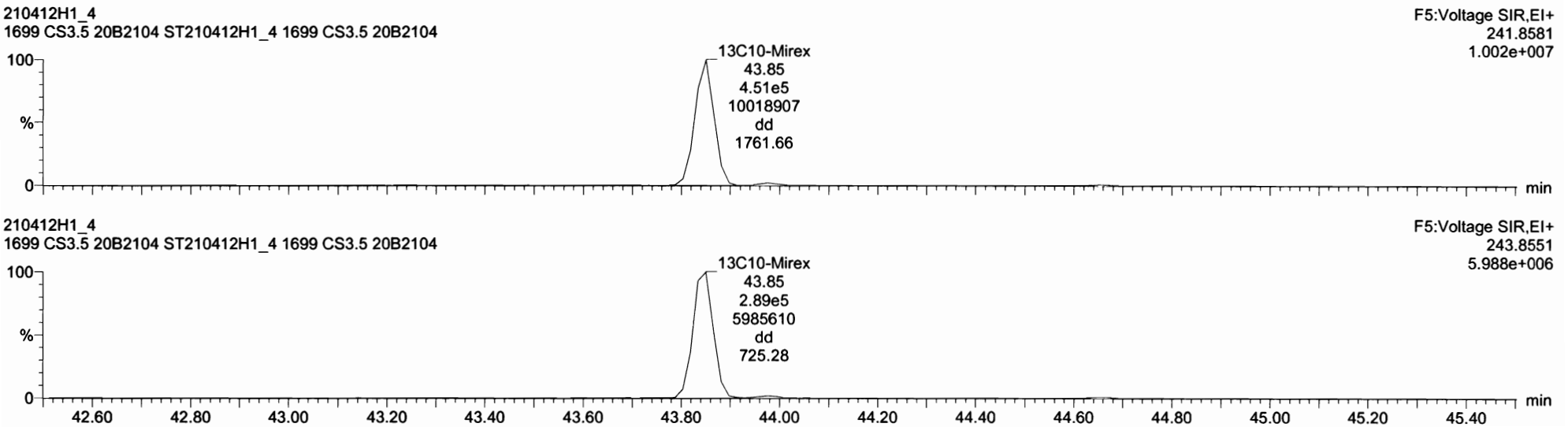

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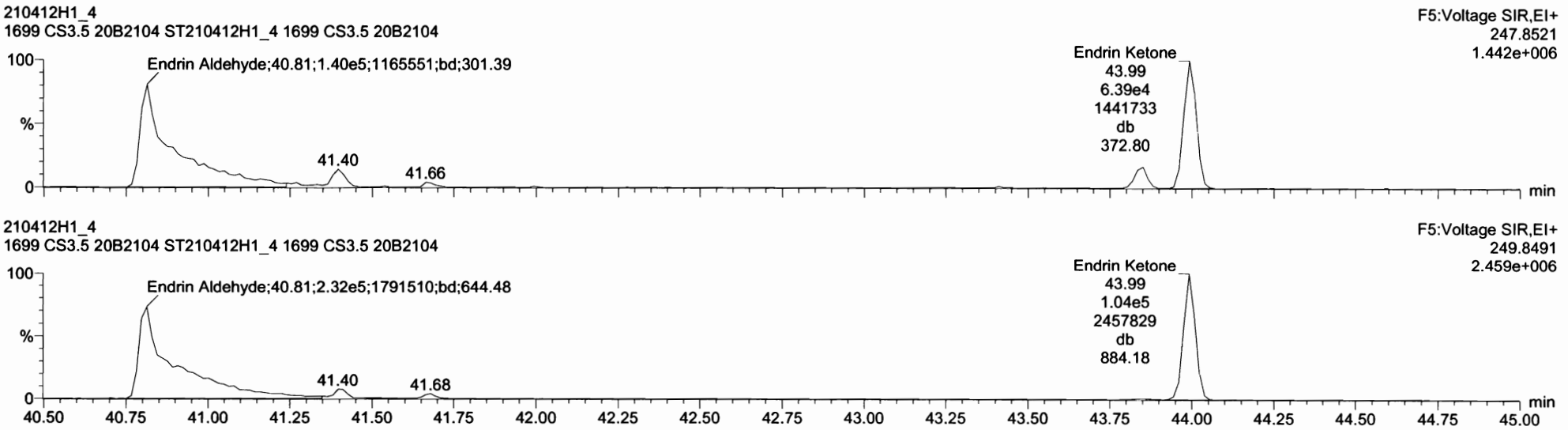
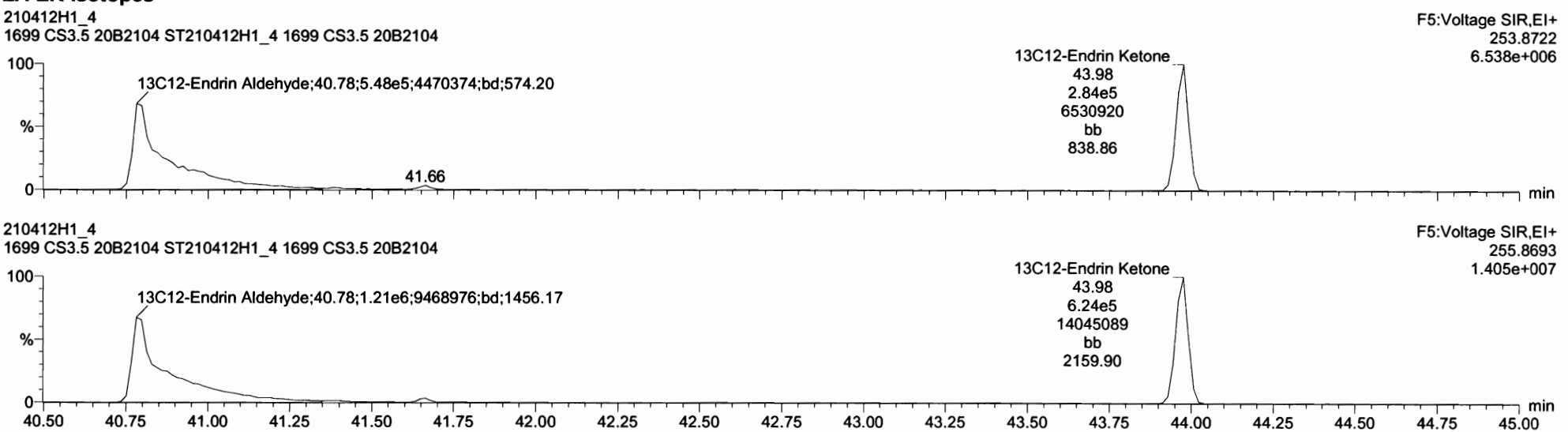
EA-EK



EA-EK-isotopes

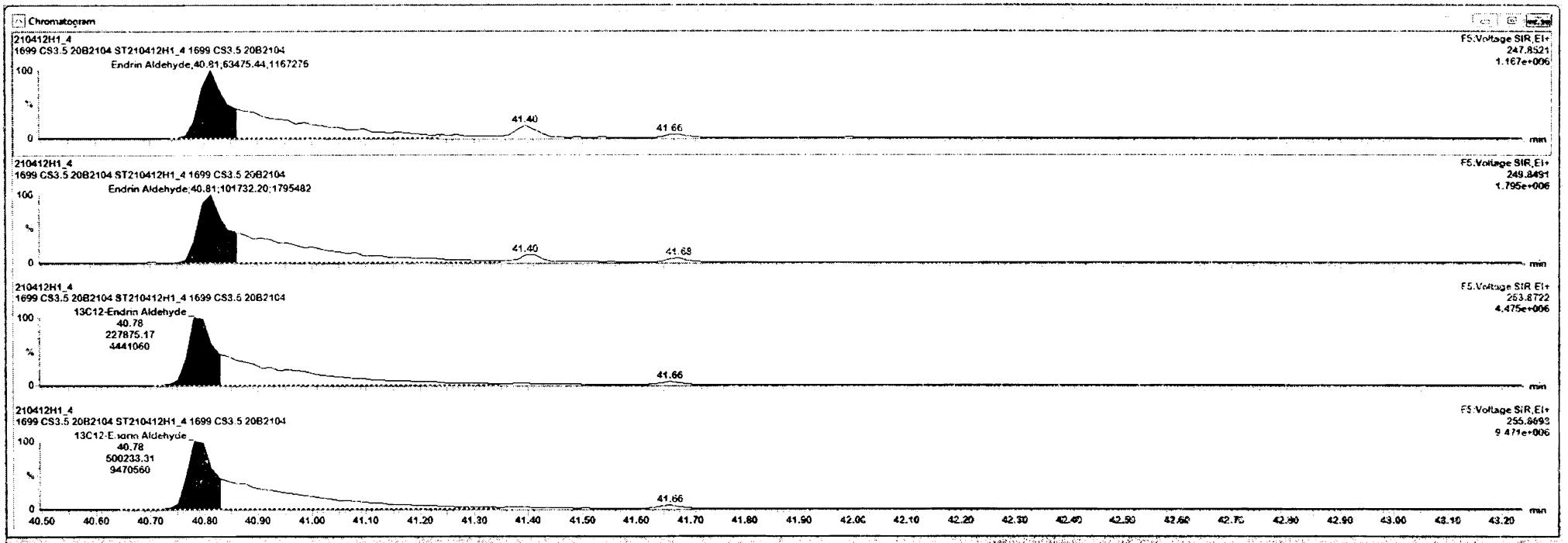


TargetLynx - 210412H1_CRV.qld *

File Edit View Display Processing Window Help

210412H1_4 - ST210412H1_4 1699 CS3.5 20B2104 - 1699 CS3.5 20B2104

	k..	Name	RT	RA	y/n	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
31	31	Endrin Aldehyde	40.81	0.624	NO	1.6521e5	7.2811e5	100.000	10.5	10.7	1.02	0.110
32	32	Endrin Ketone	42.99	0.613	NO	1.5303e5	9.0794e5	100.000	-6.1	4.58	0.926	0.0422
33	33	13C4-Hexachlorobutadiene	9.98	1.279	NO	6.4580e6	3.7898e6	500.000	6.2	28.1	0.160	0.0467
34	34	13C6-Hexachlorobenzene	22.69	1.280	NO	3.2544e6	3.7898e6	50.000	-0.9	1.38	0.857	0.0119
35	35	13C6-Alpha-BHC	23.20	0.789	NO	9.5452e5	3.7898e6	50.000	-2.5	3.62	0.255	0.00936
36	36	13C6-Lindane (gamma)	26.57	0.792	NO	7.1106e5	3.7898e6	50.000	-3.1	3.92	0.194	0.00759
37	37	13C6-Beta-BHC	28.59	0.801	NO	5.2382e5	3.7898e6	50.000	-2.9	5.67	0.144	0.00615
38	38	13C6-Delta-BHC	30.25	0.797	NO	6.1665e5	3.7898e6	50.000	-3.1	7.65	0.168	0.0132
39	39	13C10-Heptachlor	26.71	1.297	NO	5.4457e5	3.7898e6	50.000	-3.1	5.62	0.148	0.0101
40	40	13C12-Aldrin	30.80	1.503	NO	5.6030e5	3.7898e6	50.000	-2.5	2.96	0.154	0.00406
41	41	13C10-Oxychlordane	30.35	1.552	NO	1.4916e5	3.7898e6	50.000	-2.6	5.24	0.0404	0.00333
42	42	13C10-cis-Heptachlor Epo...	34.14	1.632	NO	1.7857e5	3.7898e6	50.000	-4.5	6.66	0.0493	0.00328



Ready 210412H1_4 NUM

Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

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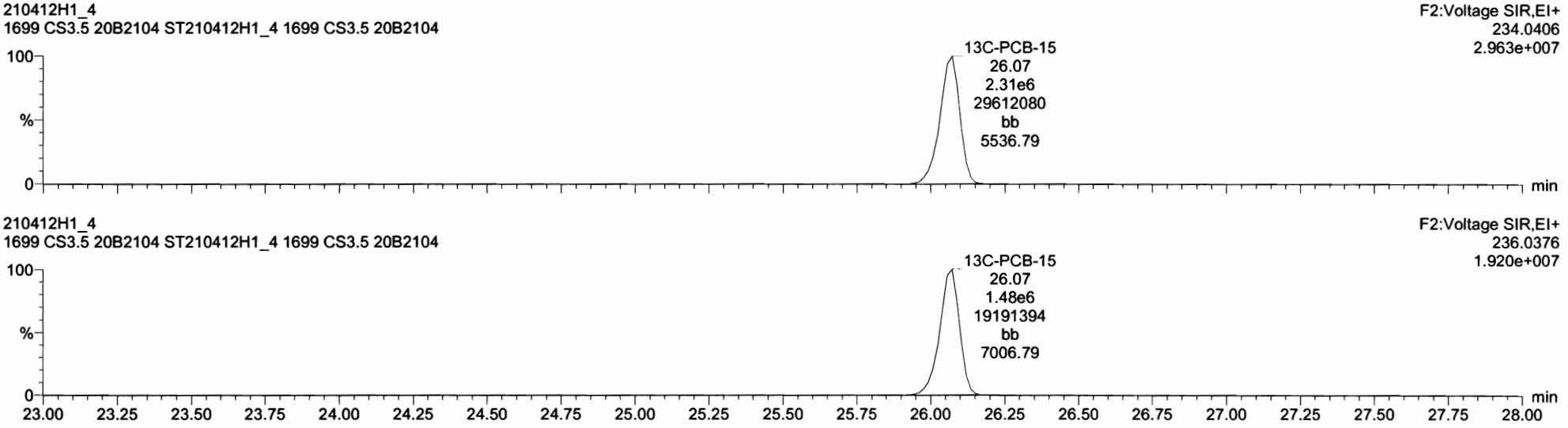
Name: 210412H1_4, Date: 12-Apr-2021, Time: 17:26:09, ID: ST210412H1_4 1699 CS3.5 20B2104, Description: 1699 CS3.5 20B2104

13C-PCB-15



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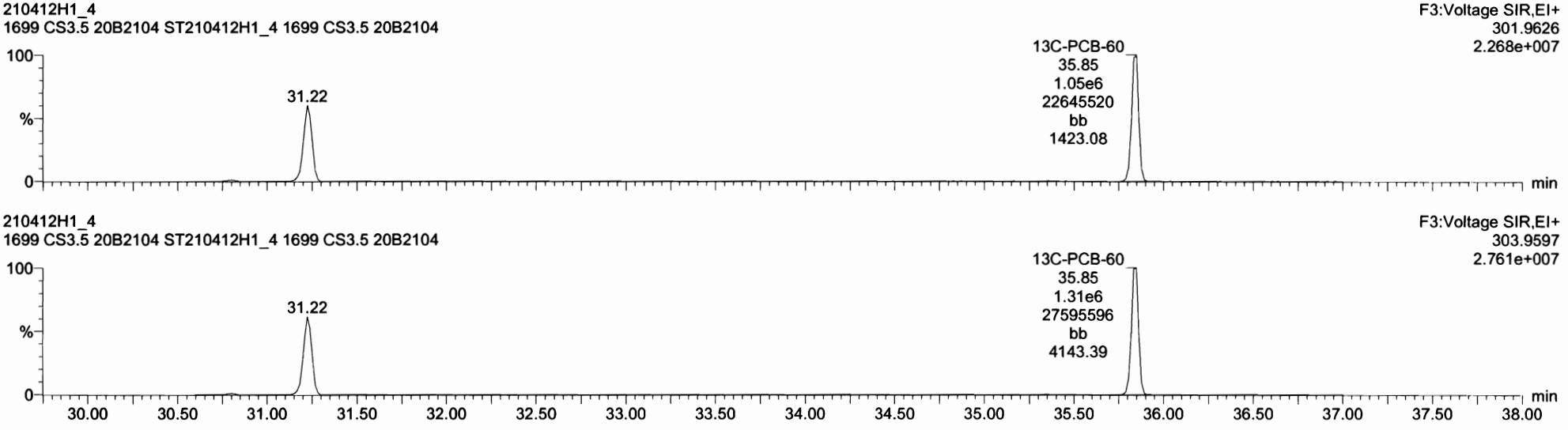

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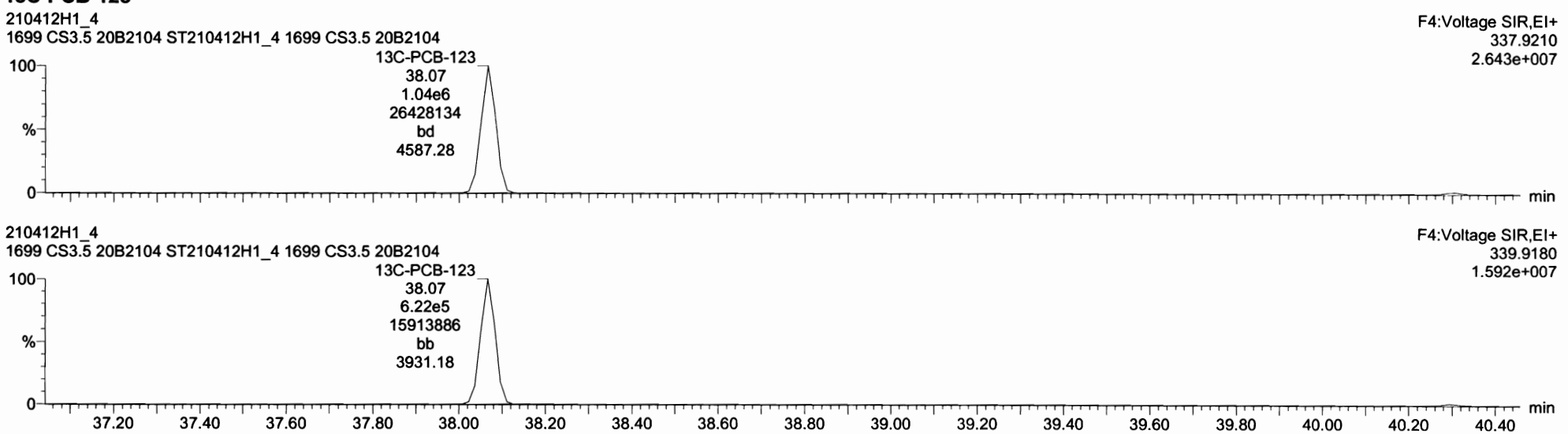
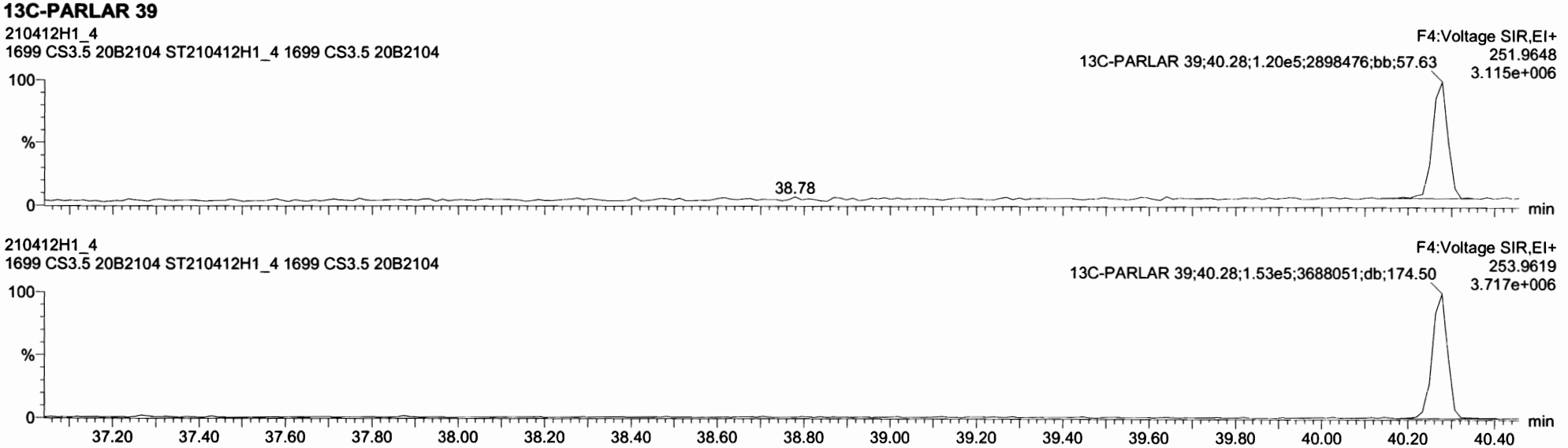
13C-PCB-123



13C-PARLAR 39



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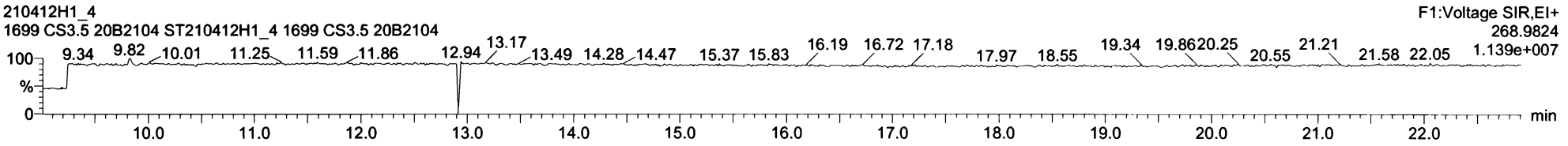
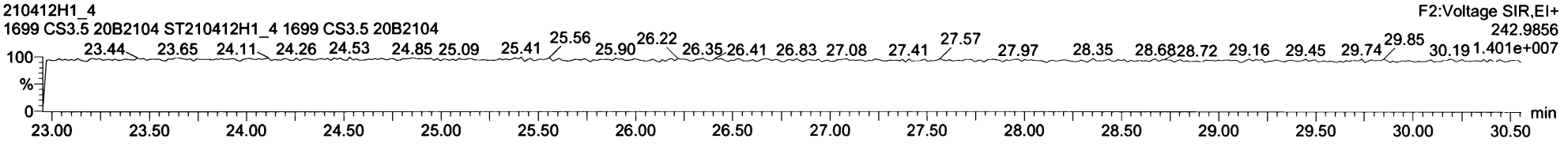
PFK1



PFK2



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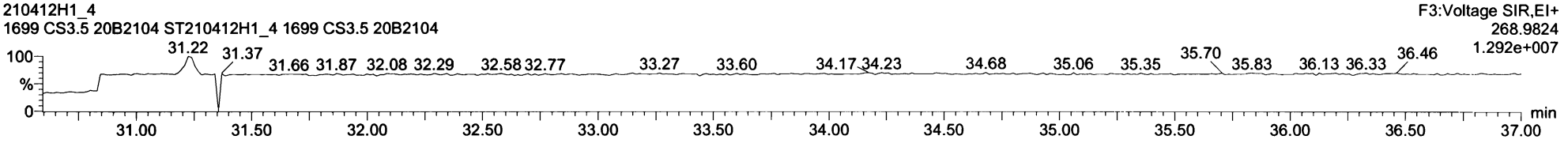

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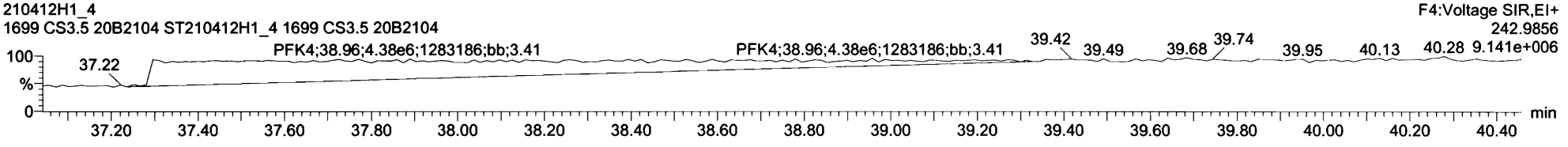

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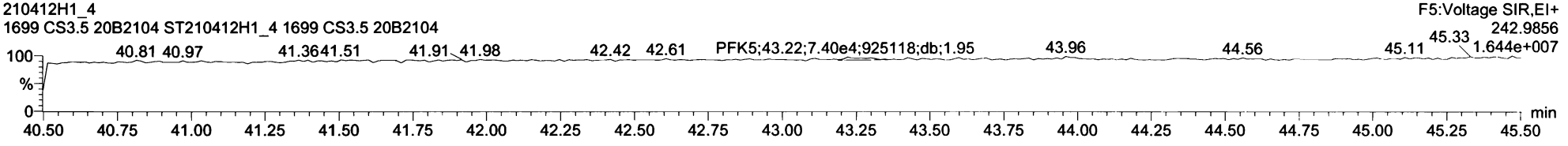
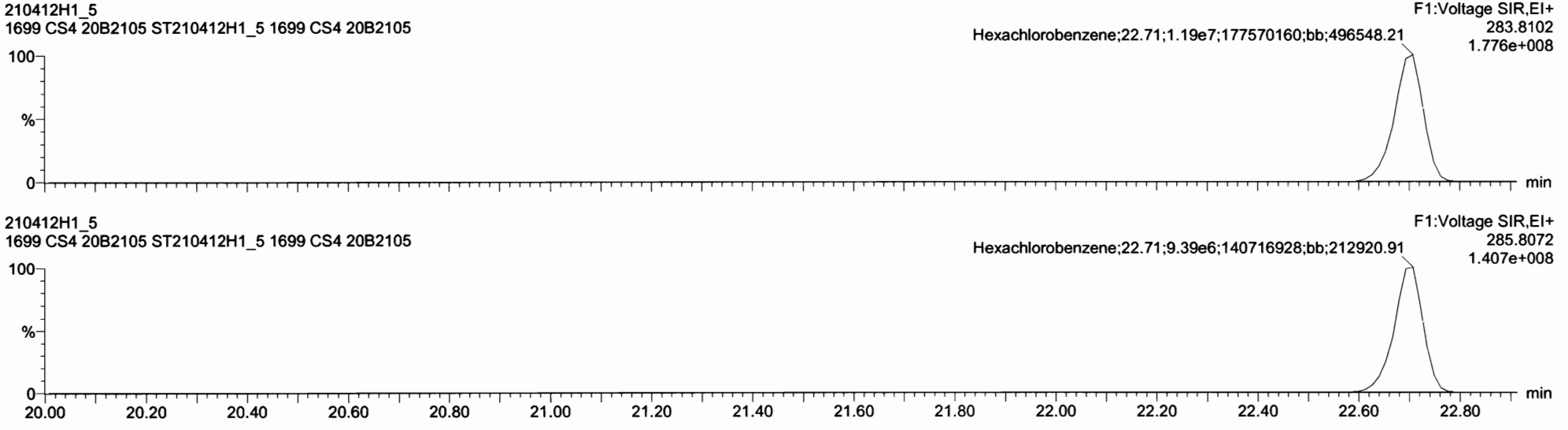


Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

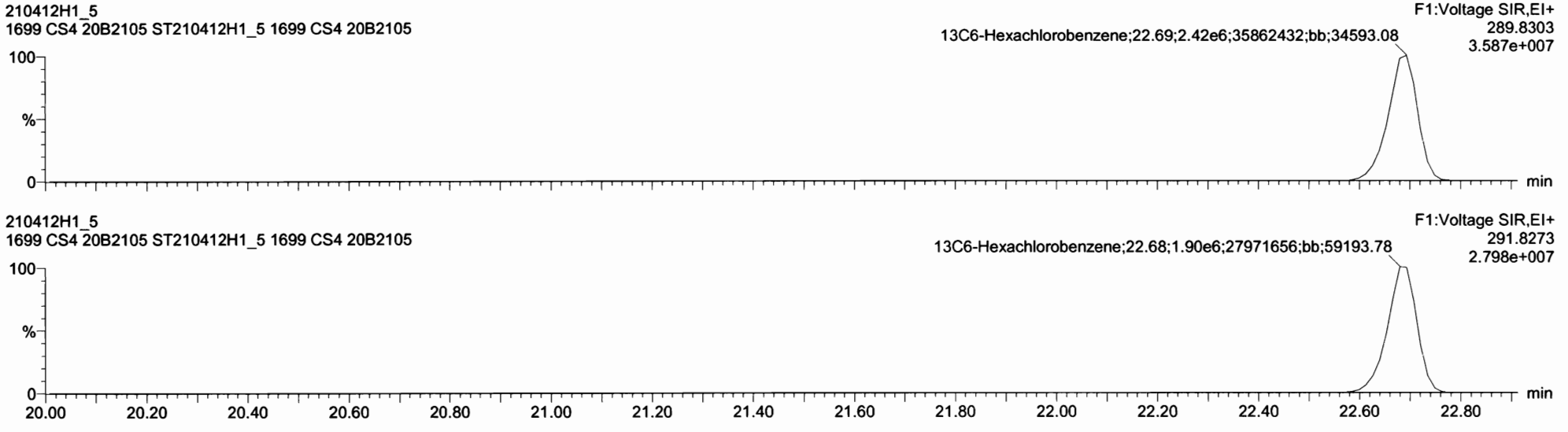
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_5, Date: 12-Apr-2021, Time: 18:14:31, ID: ST210412H1_5 1699 CS4 20B2105, Description: 1699 CS4 20B2105

Hexachlorobenzene



13C6-Hexachlorobenzene

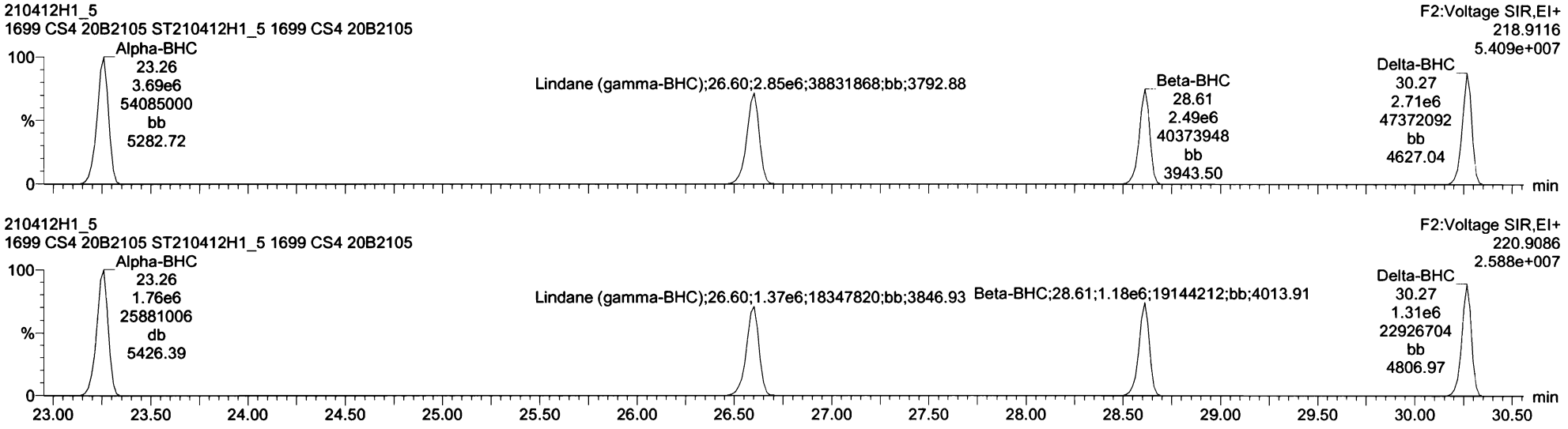


Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

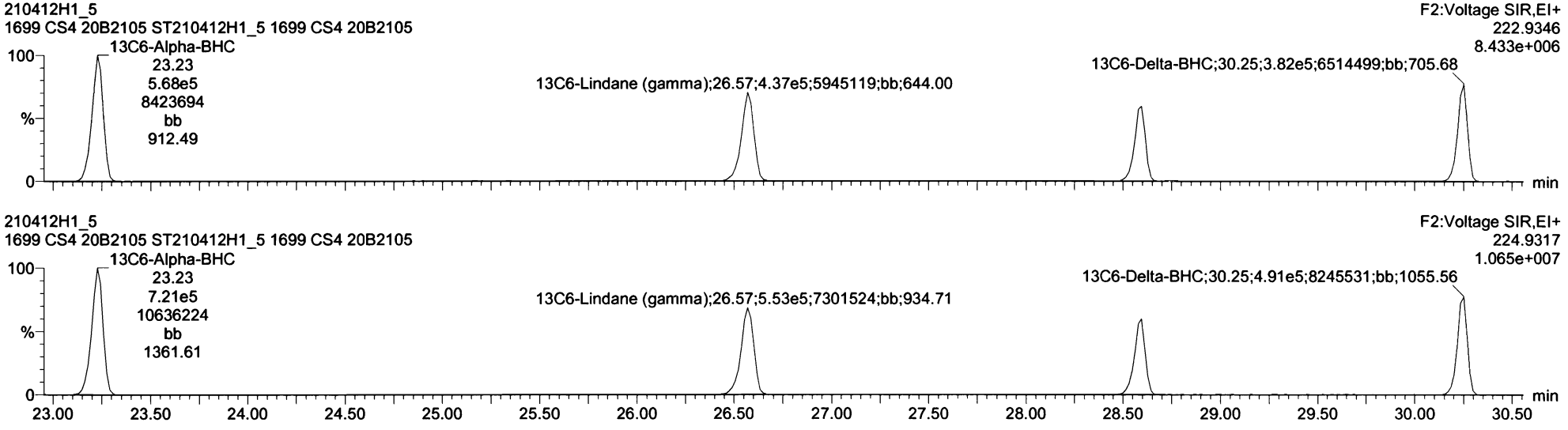
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_5, Date: 12-Apr-2021, Time: 18:14:31, ID: ST210412H1_5 1699 CS4 20B2105, Description: 1699 CS4 20B2105

BHC Totals



BHC-isotopes

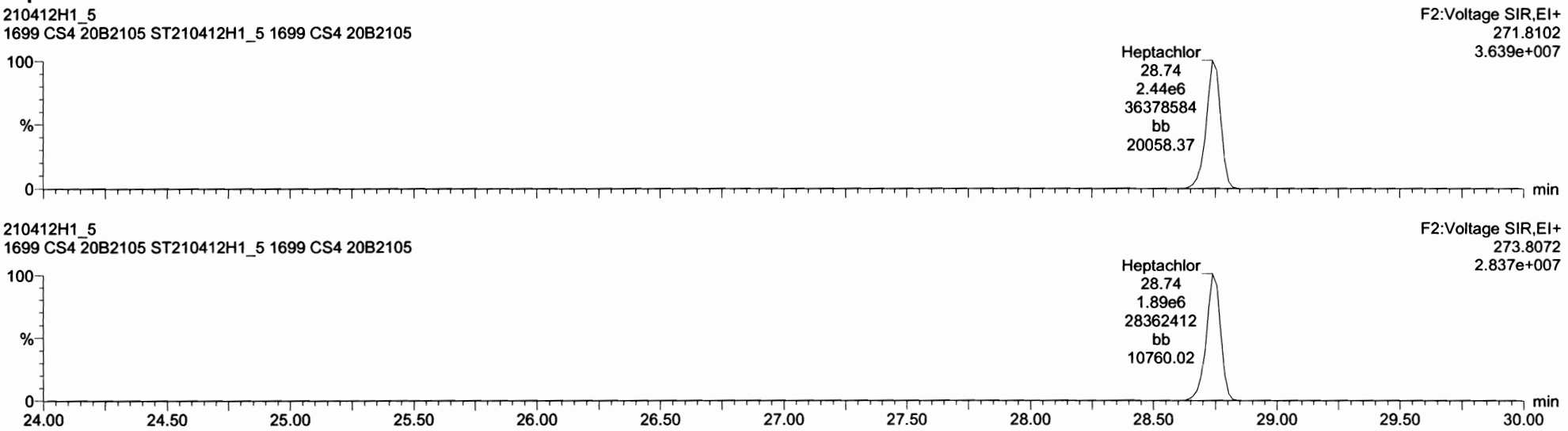


Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

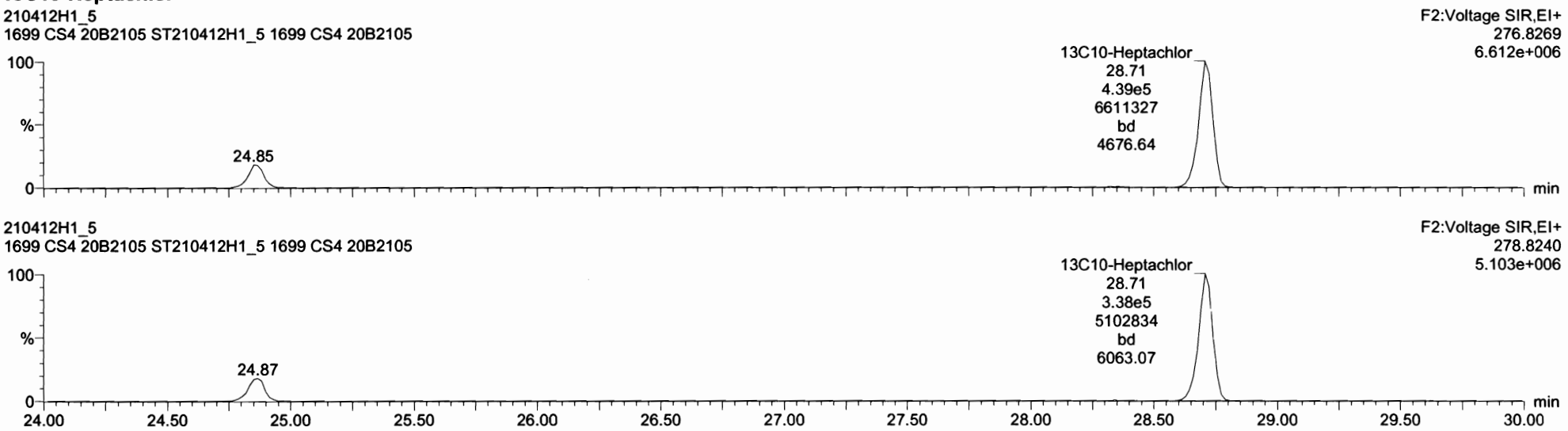
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_5, Date: 12-Apr-2021, Time: 18:14:31, ID: ST210412H1_5 1699 CS4 20B2105, Description: 1699 CS4 20B2105

Heptachlor



13C10-Heptachlor



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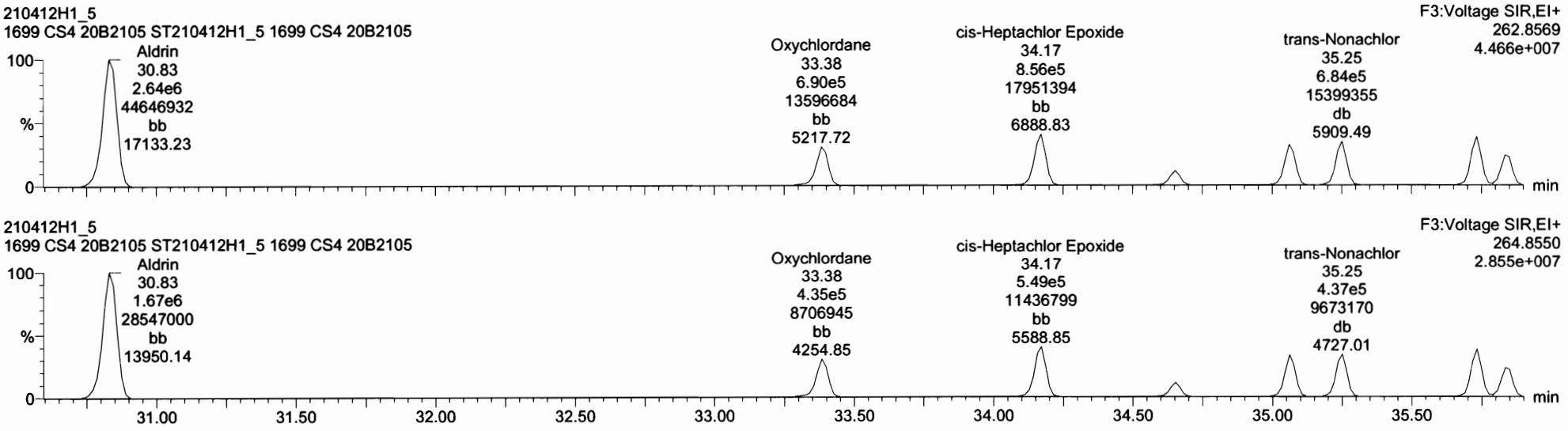
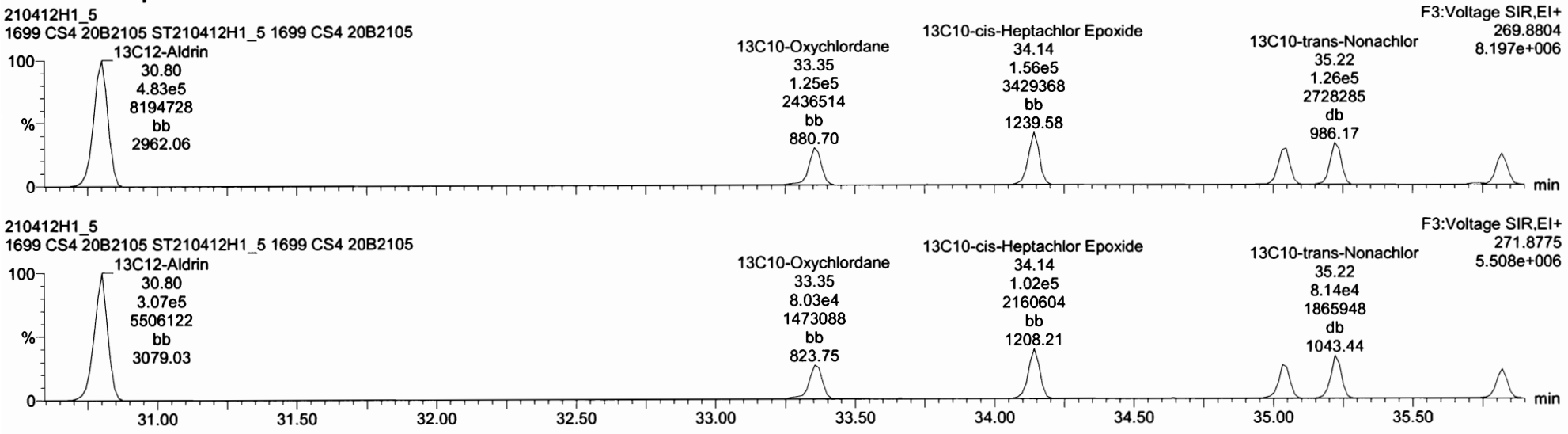
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_5, Date: 12-Apr-2021, Time: 18:14:31, ID: ST210412H1_5 1699 CS4 20B2105, Description: 1699 CS4 20B2105

Aldrin-EI



Aldrin-EI-isotopes



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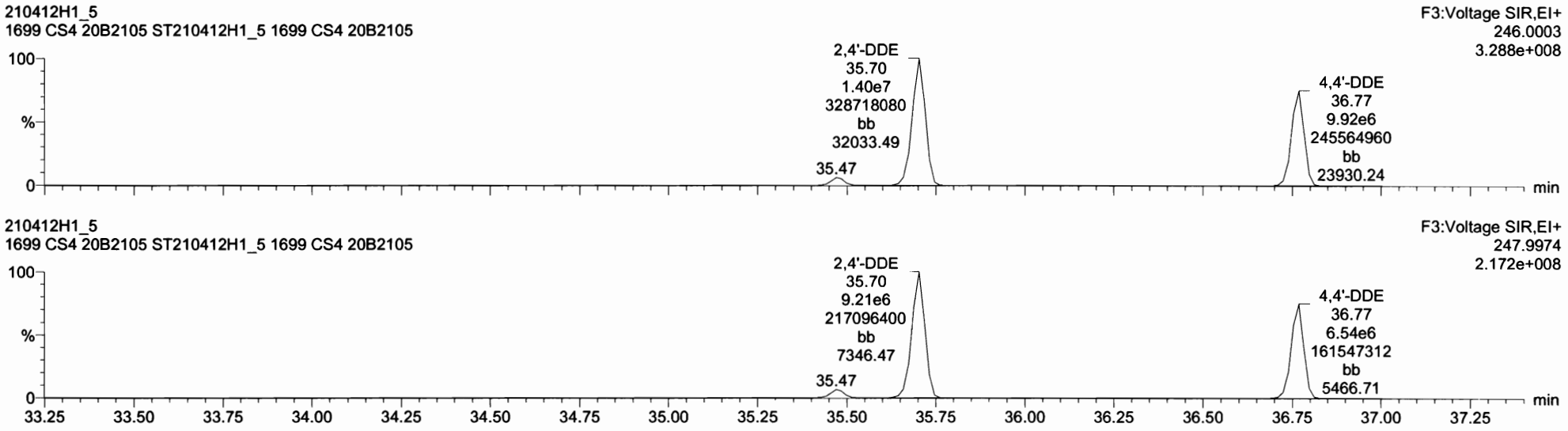
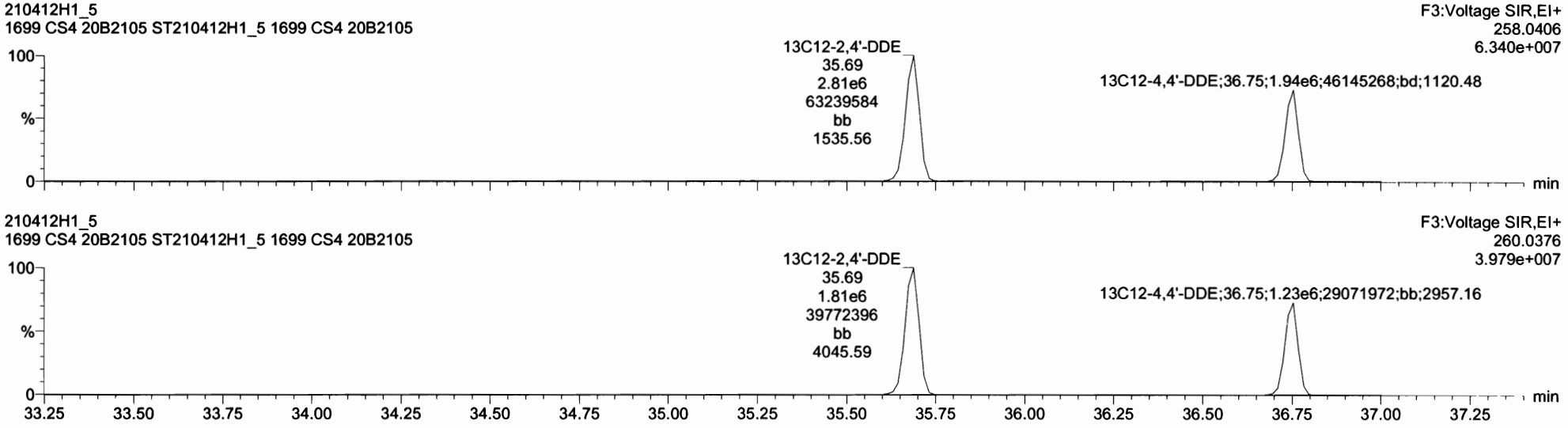
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_5, Date: 12-Apr-2021, Time: 18:14:31, ID: ST210412H1_5 1699 CS4 20B2105, Description: 1699 CS4 20B2105

DDMU-DDE



DDE-isotopes



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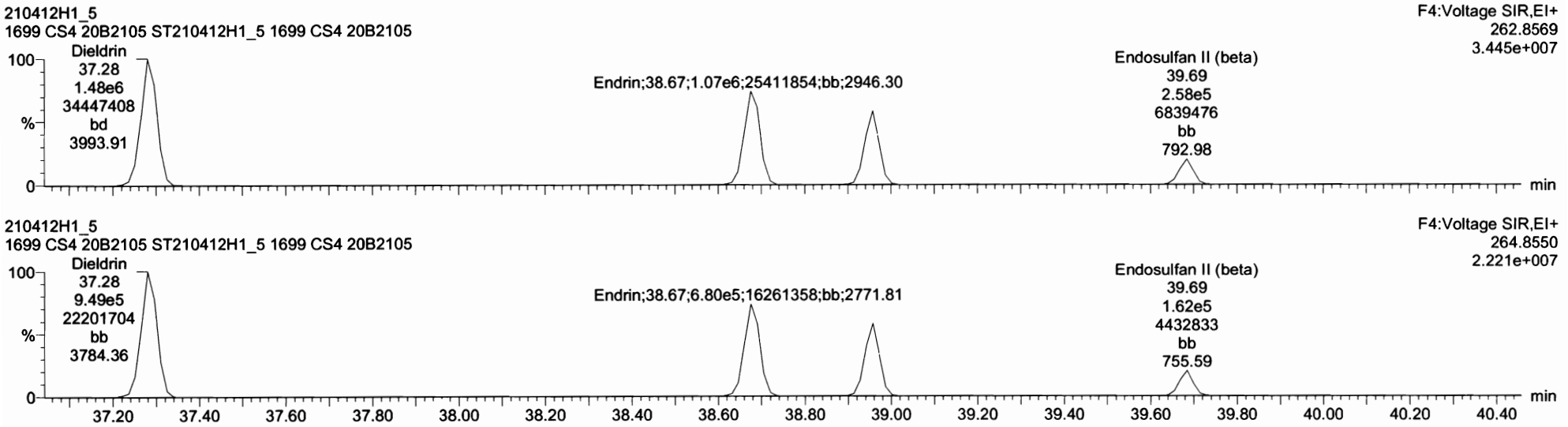
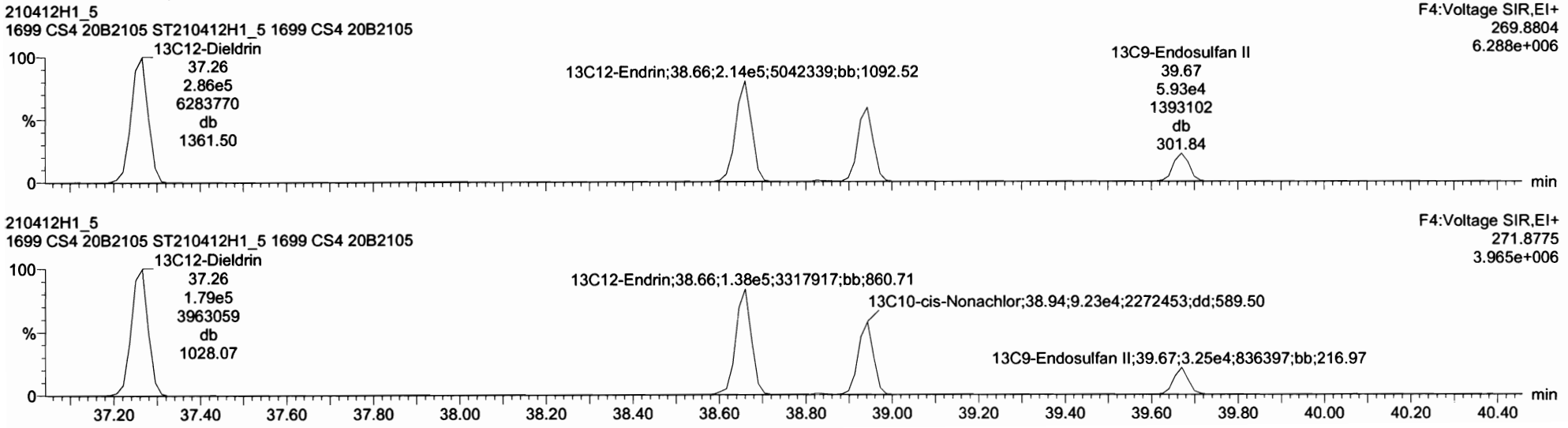
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_5, Date: 12-Apr-2021, Time: 18:14:31, ID: ST210412H1_5 1699 CS4 20B2105, Description: 1699 CS4 20B2105

Dieldrin-EII



Dieldrin-EII-isotopes



Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
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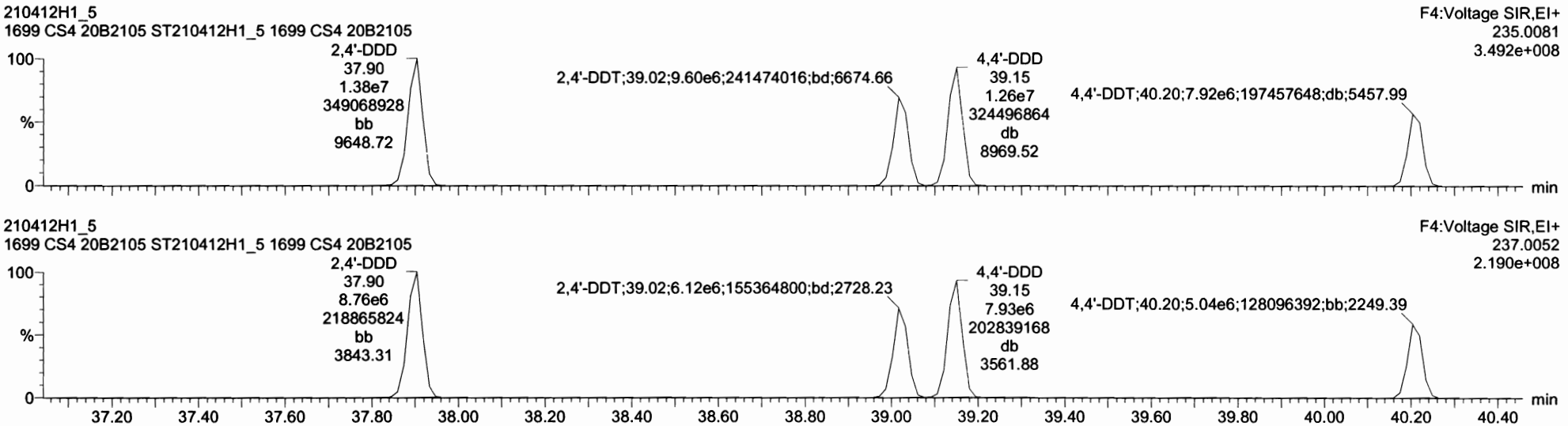
Name: 210412H1_5, Date: 12-Apr-2021, Time: 18:14:31, ID: ST210412H1_5 1699 CS4 20B2105, Description: 1699 CS4 20B2105

DDD-DDT



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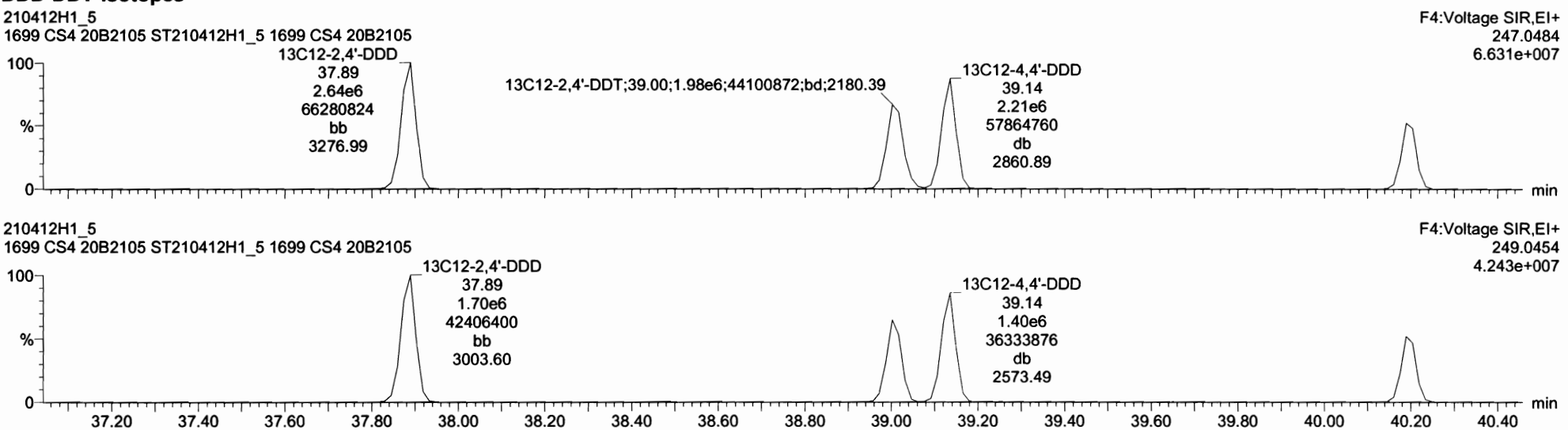

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Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
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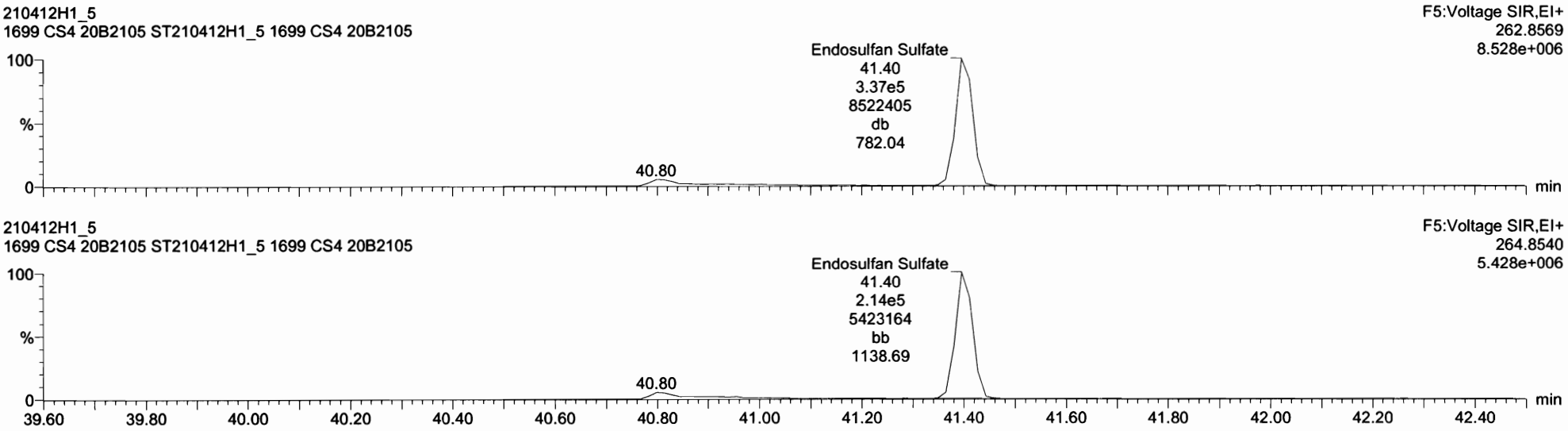
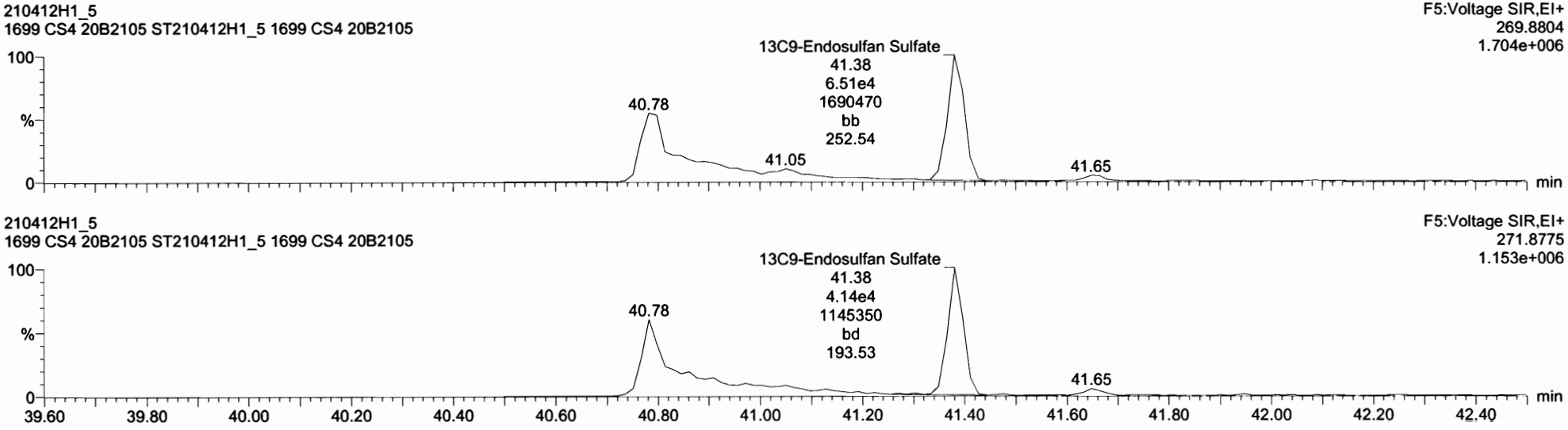
Name: 210412H1_5, Date: 12-Apr-2021, Time: 18:14:31, ID: ST210412H1_5 1699 CS4 20B2105, Description: 1699 CS4 20B2105

Endosulfan Sulfate



13C9-Endosulfan Sulfate



Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
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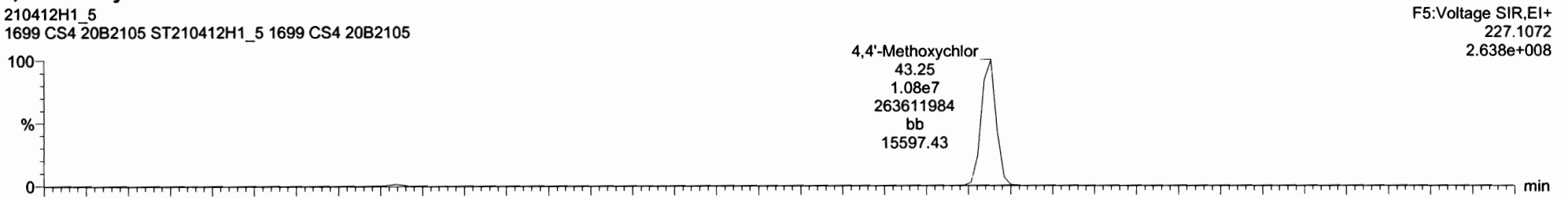
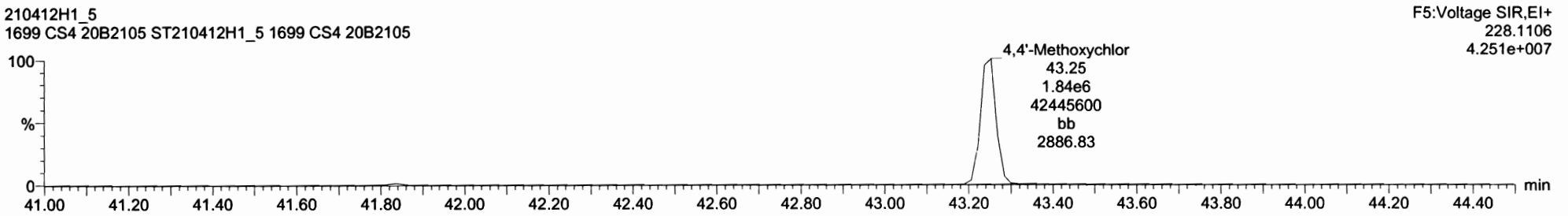
Name: 210412H1_5, Date: 12-Apr-2021, Time: 18:14:31, ID: ST210412H1_5 1699 CS4 20B2105, Description: 1699 CS4 20B2105

4,4'-Methoxychlor





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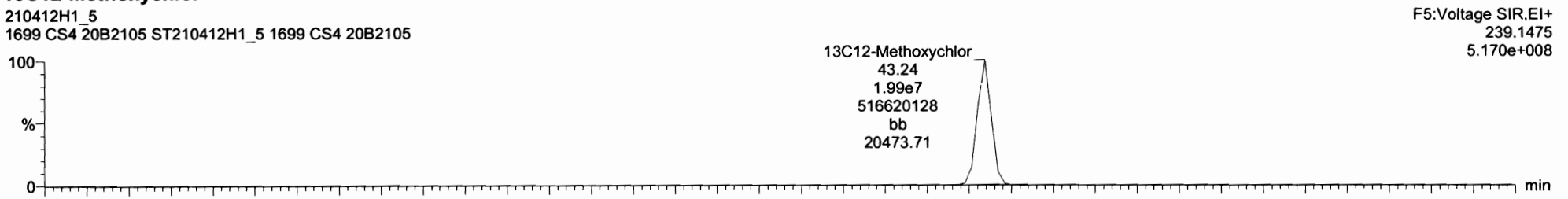
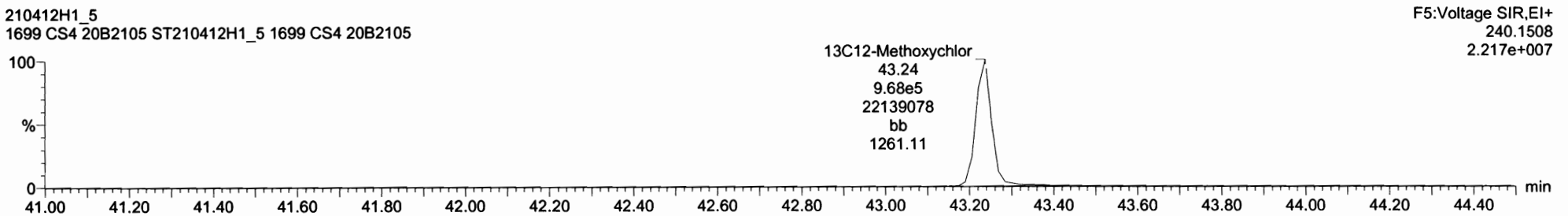


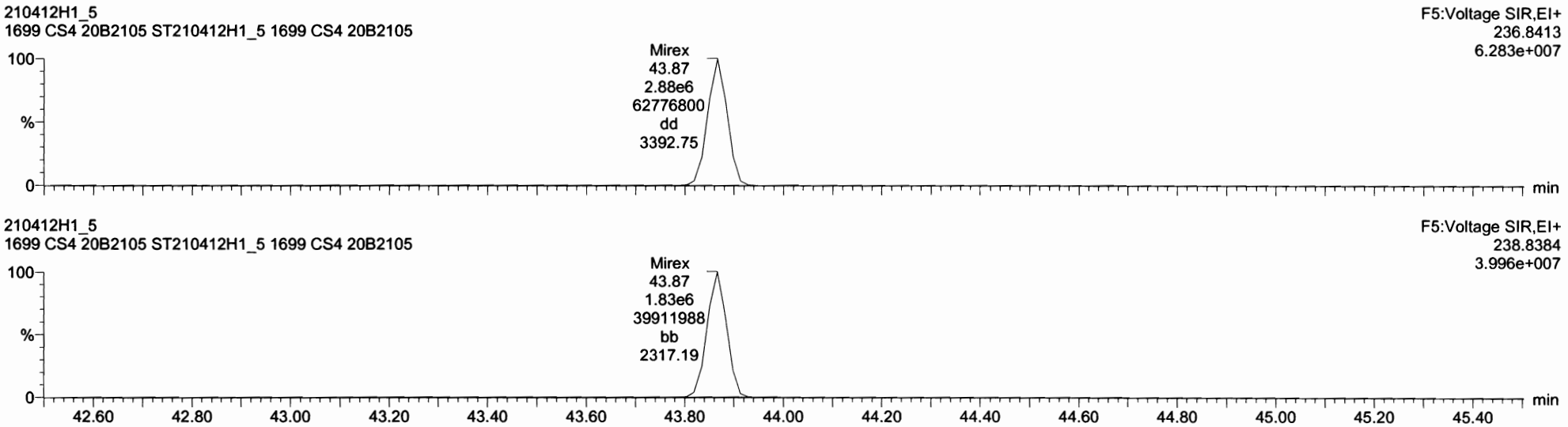


Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

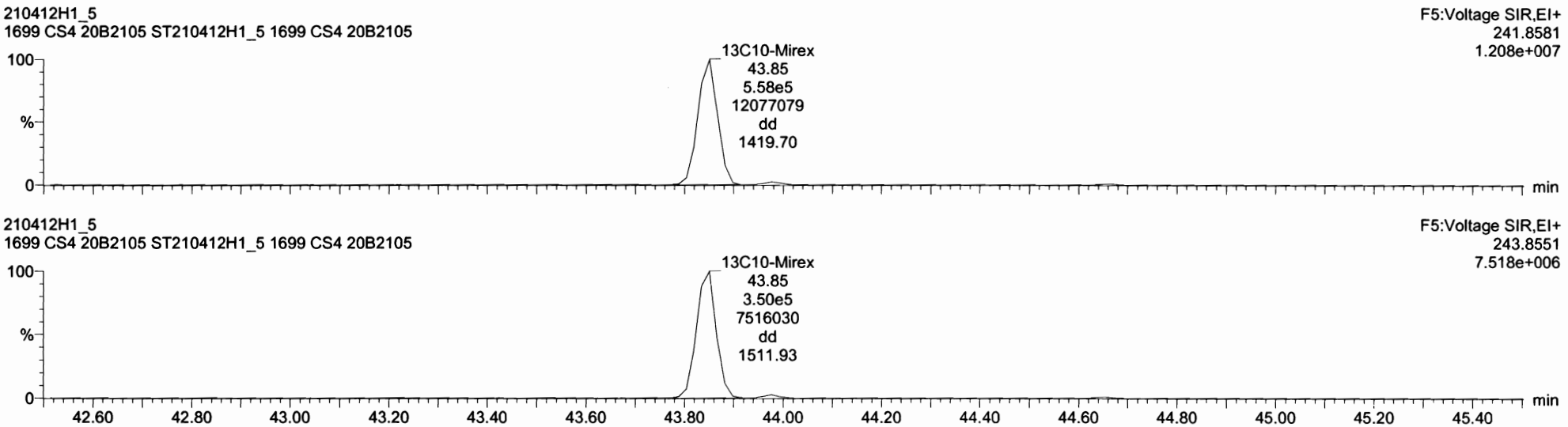
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_5, Date: 12-Apr-2021, Time: 18:14:31, ID: ST210412H1_5 1699 CS4 20B2105, Description: 1699 CS4 20B2105

Mirex



13C10-Mirex



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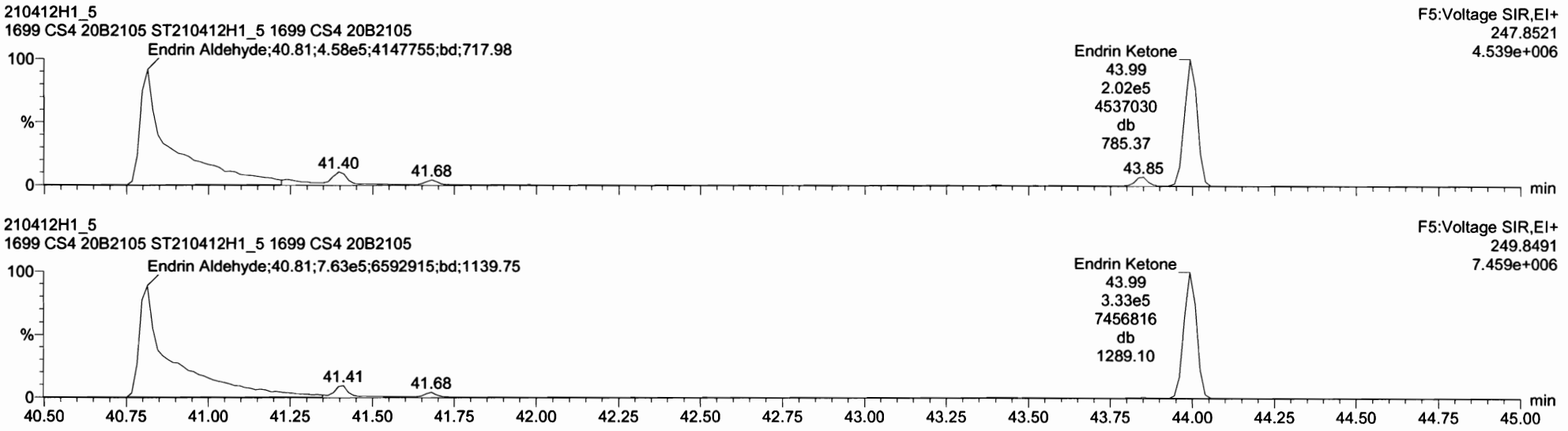
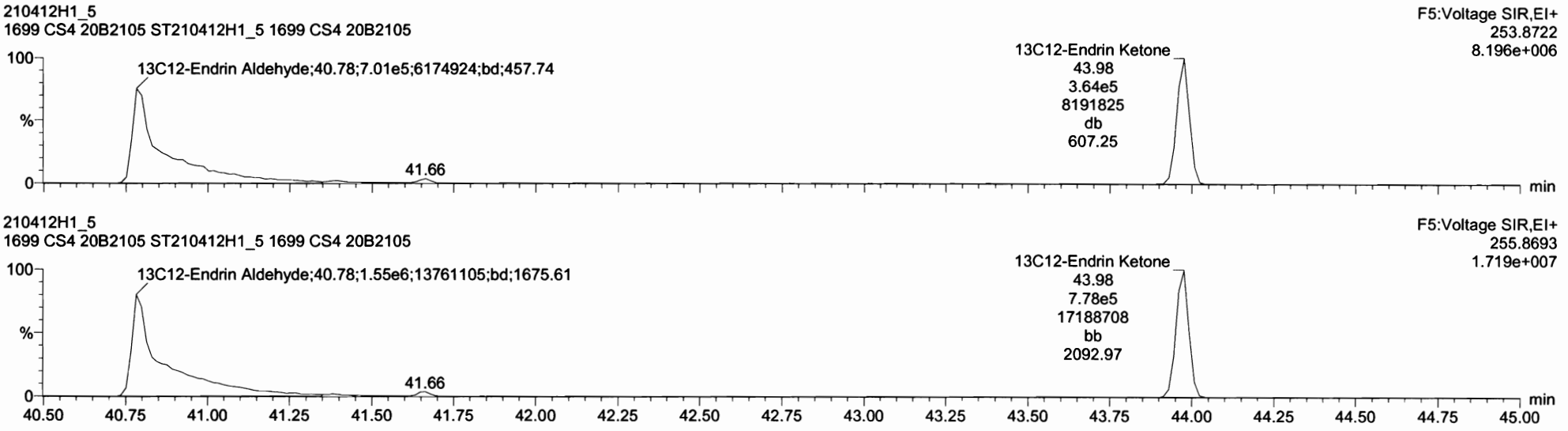
Name: 210412H1_5, Date: 12-Apr-2021, Time: 18:14:31, ID: ST210412H1_5 1699 CS4 20B2105, Description: 1699 CS4 20B2105

EA-EK



EA-EK-isotopes

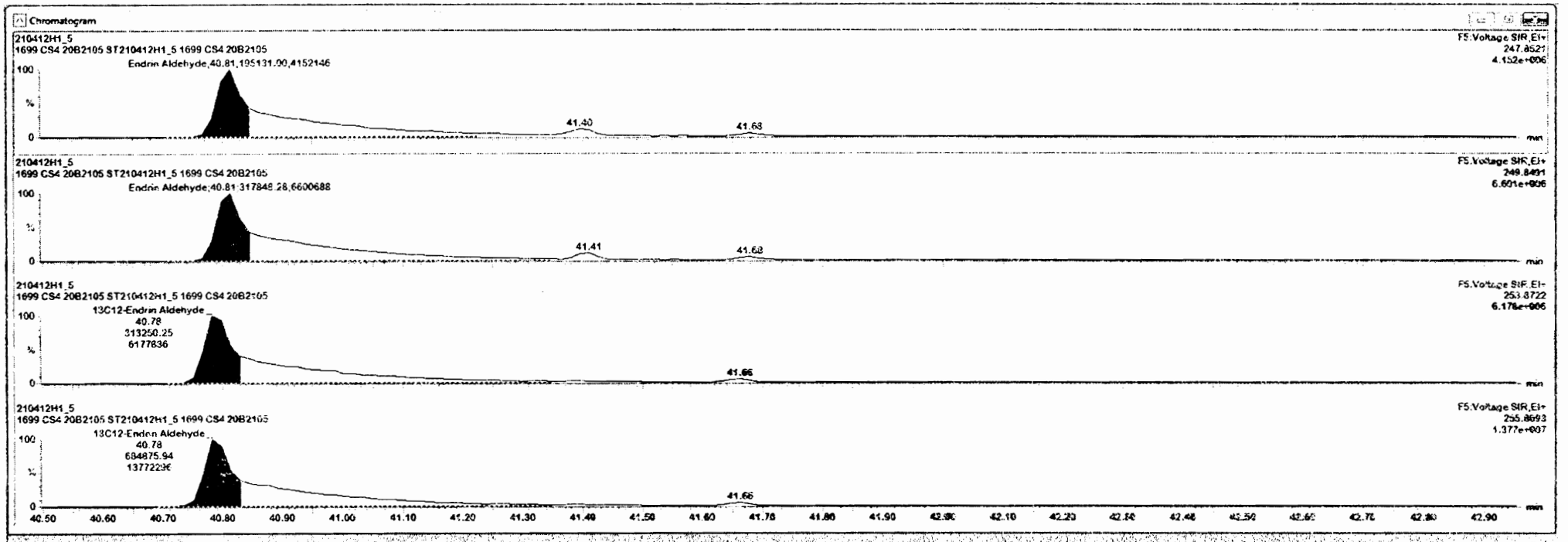


TargetLynx - 210412H1_CRV.old

File Edit View Display Processing Window Help

210412H1_5 - ST210412H1_5 1699 CS4 20B2105 - 1699 CS4 20B2105

	#	Name	RT	RA	y.n	Area	IS Area	Std. Conc	%Dev	%RSD	RRF IS	RRF SD
31	31	Endrin Aldehyde	40.81	0.614	NO	5.1293e5	9.9813e5	250.000	0.1	10.7	1.03	0.110
32	32	Endrin Ketone	43.99	0.606	NO	5.3405e5	1.1414e6	250.000	1.2	4.53	0.926	0.0422
33	33	13C4-Hexachlorobutadiene	9.58	1.272	NO	6.8209e6	5.0972e6	500.000	-19.0	29.1	0.162	0.0487
34	34	13C6-Hexachlorobenzene	22.69	1.275	NO	4.3176e6	5.0972e6	50.000	-2.2	1.38	0.367	0.0112
35	35	13C6-Alpha-BHC	23.22	0.787	NO	1.2892e6	5.0972e6	50.000	-2.1	3.63	0.227	0.00936
36	36	13C6-Lindane (gamma)	26.57	0.791	NO	9.3934e5	5.0972e6	50.000	0.3	3.92	0.194	0.00759
37	37	13C6-Beta-BHC	28.59	0.794	NO	7.3396e5	5.0972e6	50.000	0.2	5.67	0.144	0.00515
38	38	13C6-Delta-BHC	30.25	0.776	NO	8.7275e5	5.0972e6	50.000	2.0	7.65	0.168	0.0132
39	39	13C10-Heptachlor	28.71	1.296	NO	7.7755e5	5.0972e6	50.000	2.8	6.82	0.143	0.0101
40	40	13C12-Aldrin	30.80	1.573	NO	7.8909e5	5.0972e6	50.000	0.5	2.96	0.154	0.00458
41	41	13C10-Oxychlordane	33.35	1.556	NO	2.0537e5	5.0972e6	50.000	-0.3	8.24	0.0404	0.00333
42	42	13C10-cis-Heptachlor Epo	34.14	1.527	NO	2.5765e5	5.0972e6	50.000	2.5	6.66	0.0493	0.00328



Ready

210412H1_5

NUM

Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
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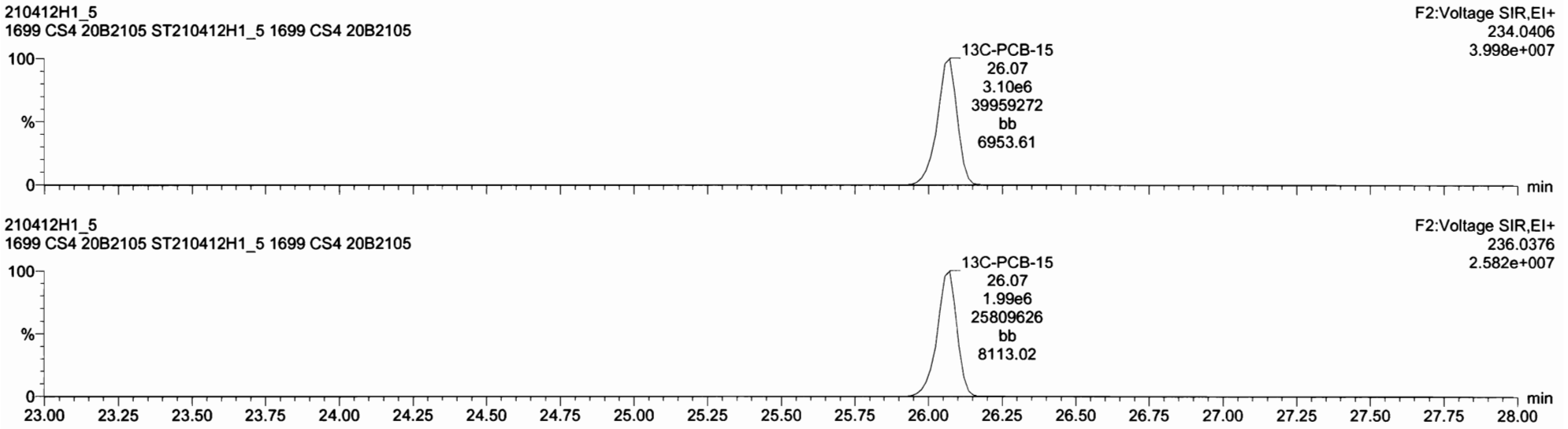
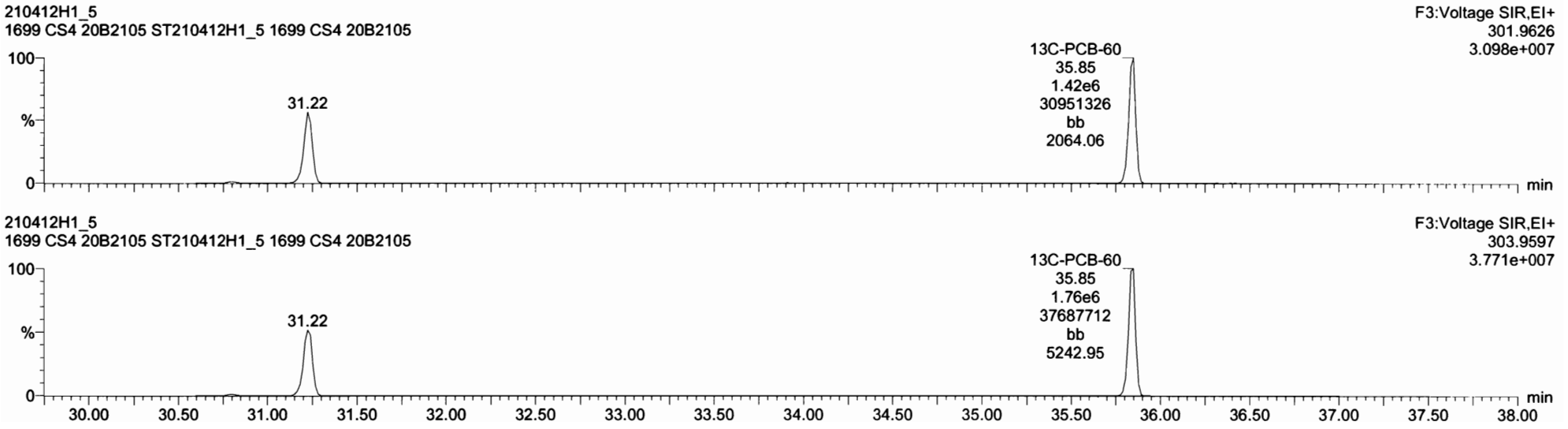
Name: 210412H1_5, Date: 12-Apr-2021, Time: 18:14:31, ID: ST210412H1_5 1699 CS4 20B2105, Description: 1699 CS4 20B2105

13C-PCB-15



13C-PCB-60



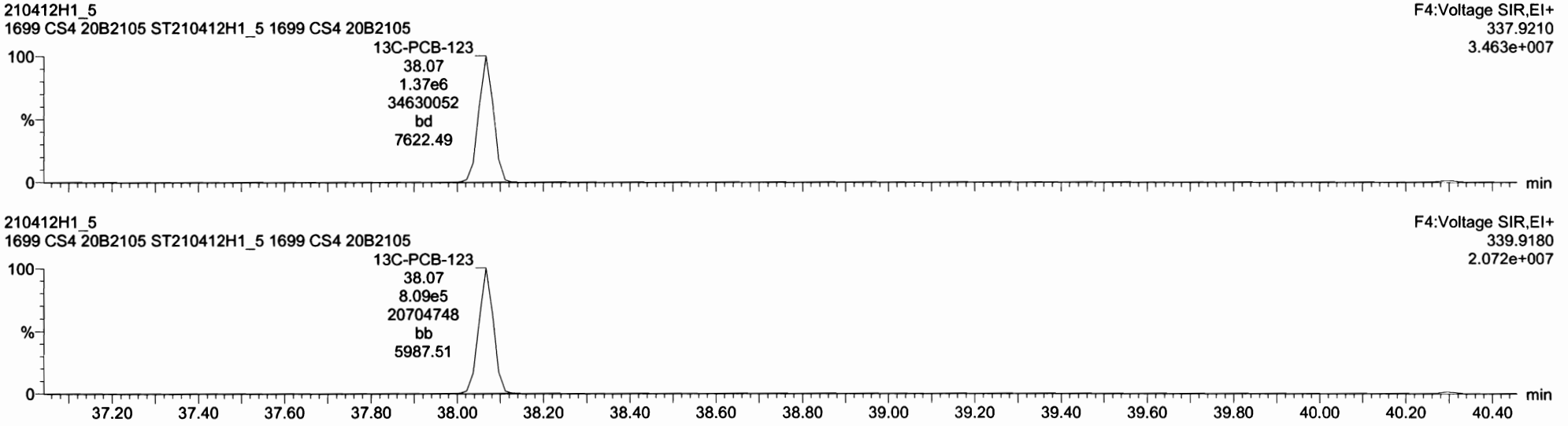
Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

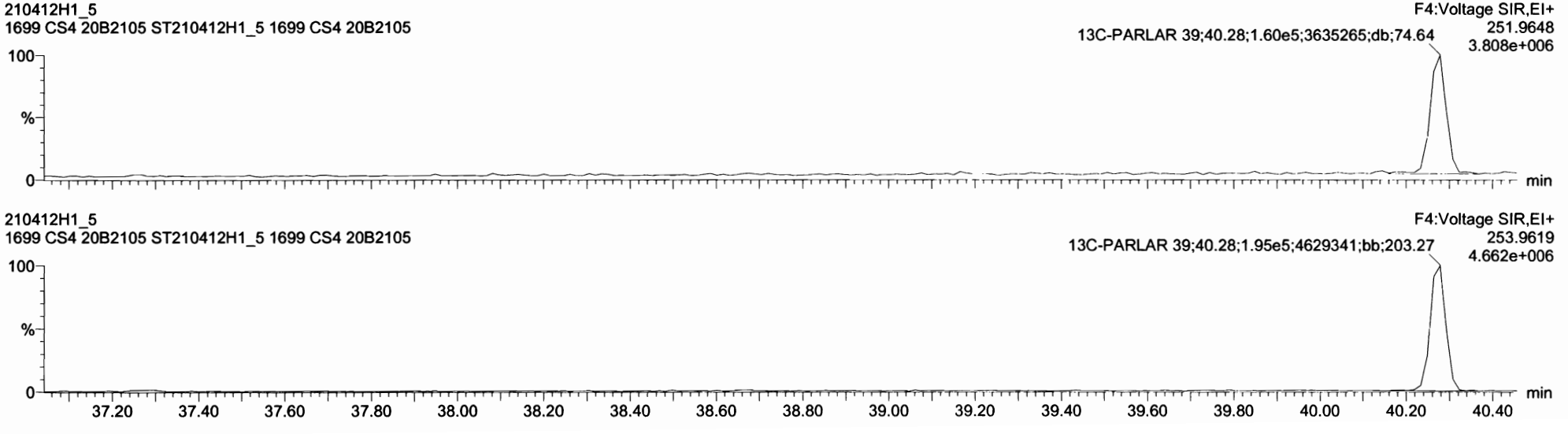
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_5, Date: 12-Apr-2021, Time: 18:14:31, ID: ST210412H1_5 1699 CS4 20B2105, Description: 1699 CS4 20B2105

13C-PCB-123



13C-PARLAR 39



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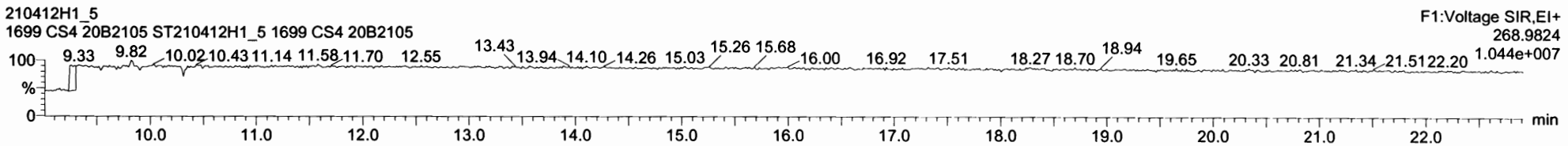
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_5, Date: 12-Apr-2021, Time: 18:14:31, ID: ST210412H1_5 1699 CS4 20B2105, Description: 1699 CS4 20B2105

PFK1



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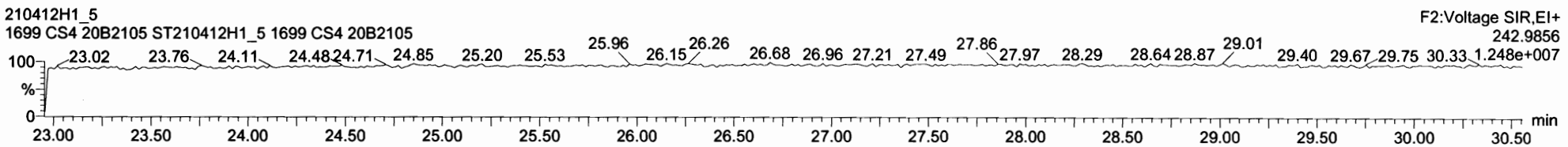

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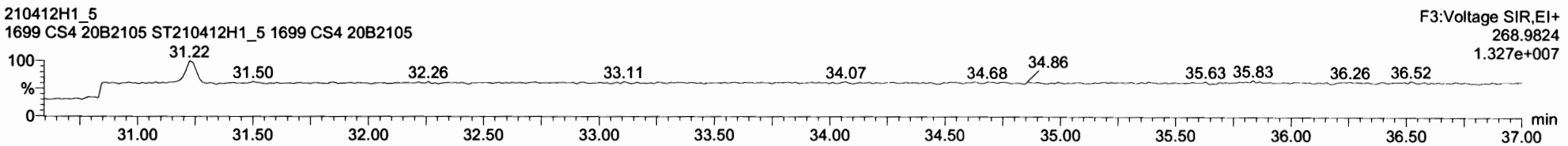
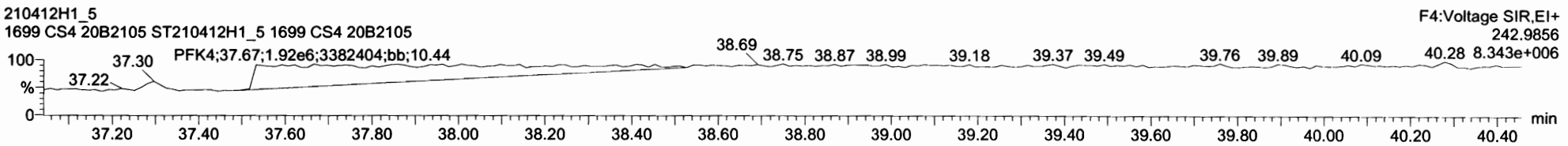


PFK4



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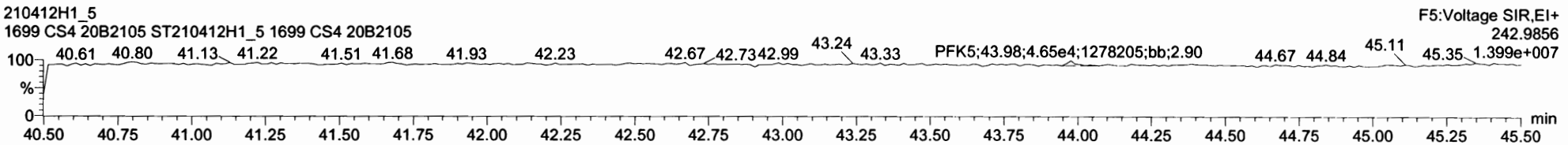
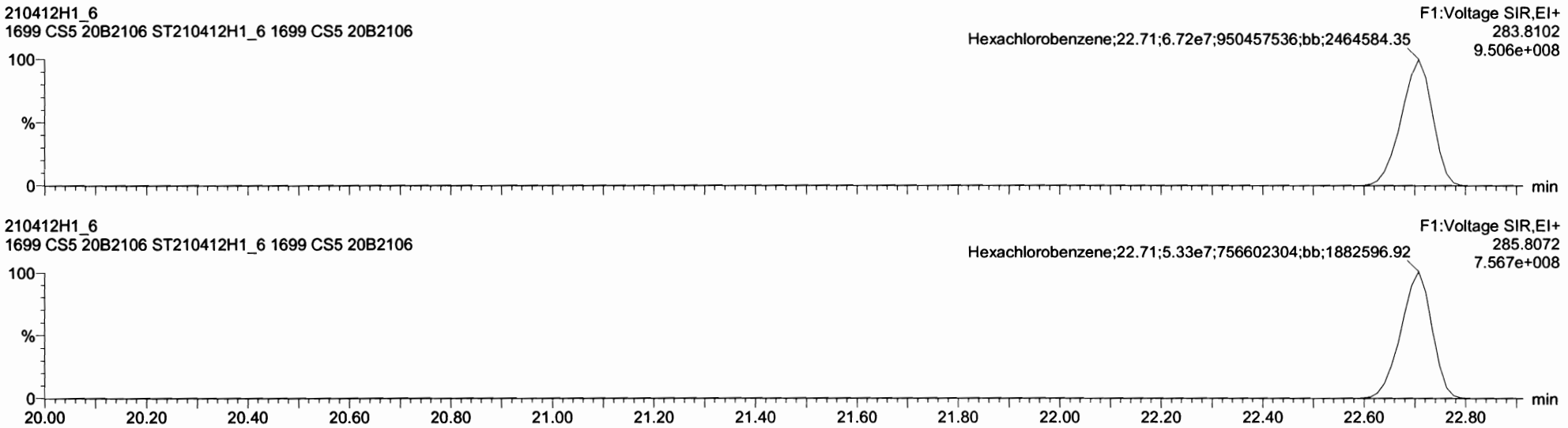


Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

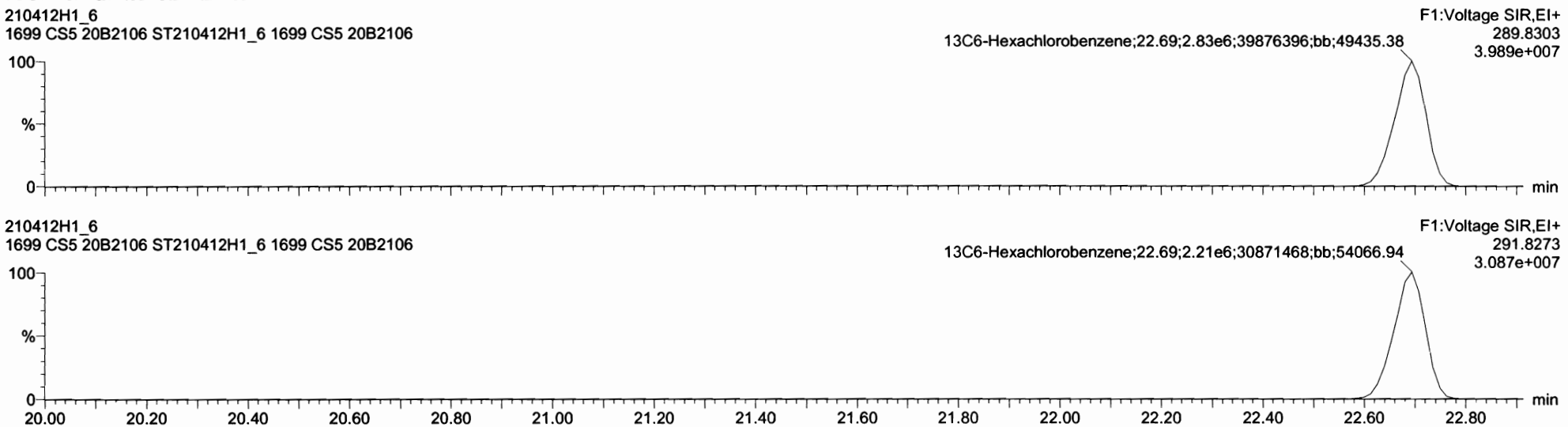
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_6, Date: 12-Apr-2021, Time: 19:02:53, ID: ST210412H1_6 1699 CS5 20B2106, Description: 1699 CS5 20B2106

Hexachlorobenzene



13C6-Hexachlorobenzene



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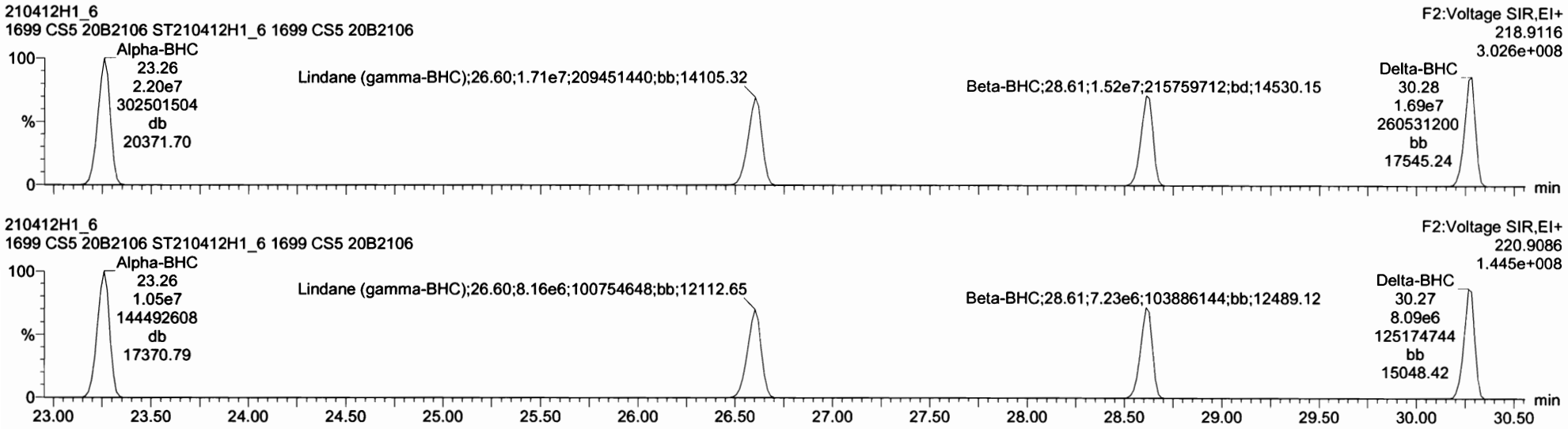
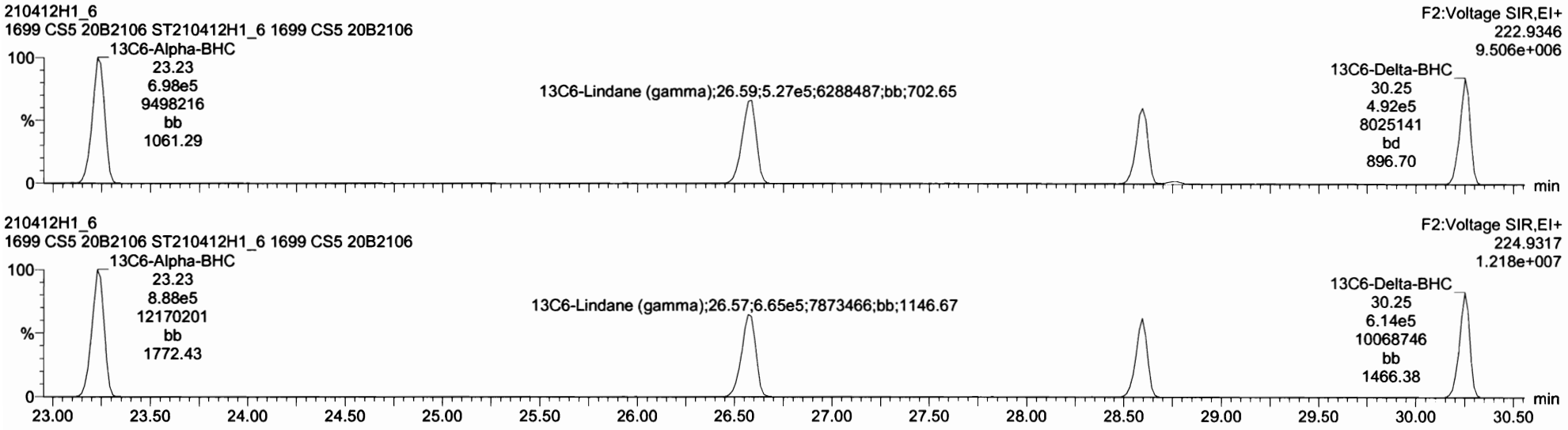
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_6, Date: 12-Apr-2021, Time: 19:02:53, ID: ST210412H1_6 1699 CS5 20B2106, Description: 1699 CS5 20B2106

BHC Totals



BHC-isotopes

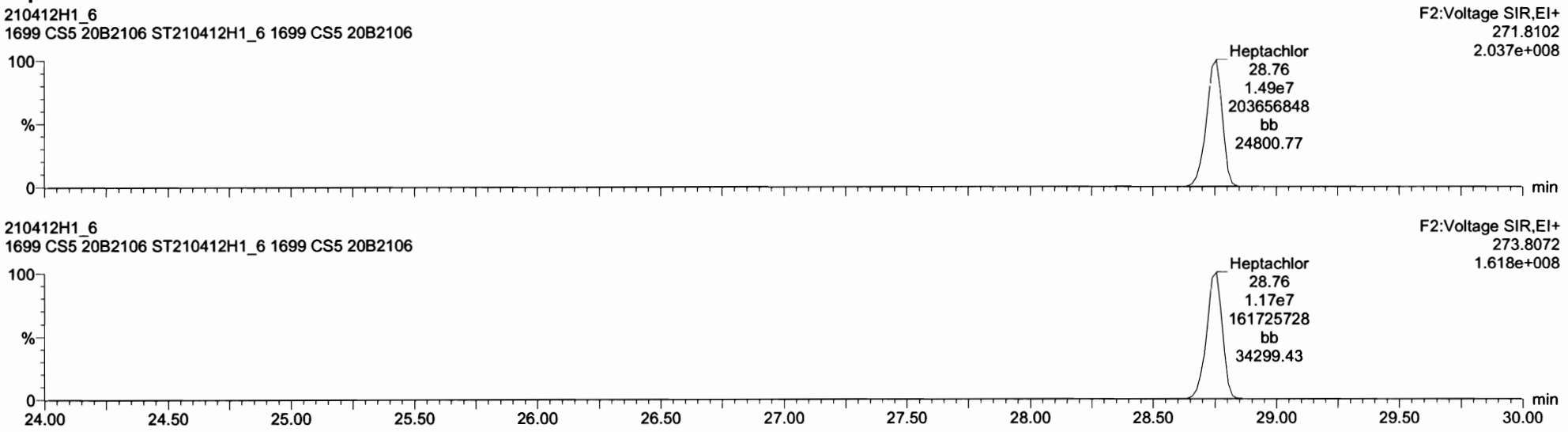


Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

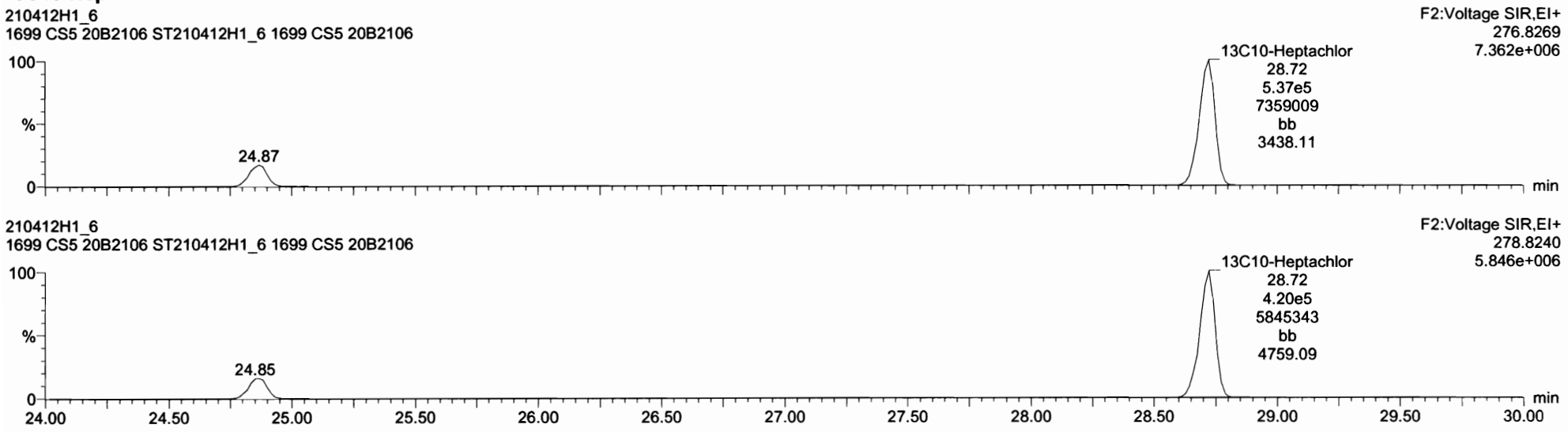
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_6, Date: 12-Apr-2021, Time: 19:02:53, ID: ST210412H1_6 1699 CS5 20B2106, Description: 1699 CS5 20B2106

Heptachlor



13C10-Heptachlor



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Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
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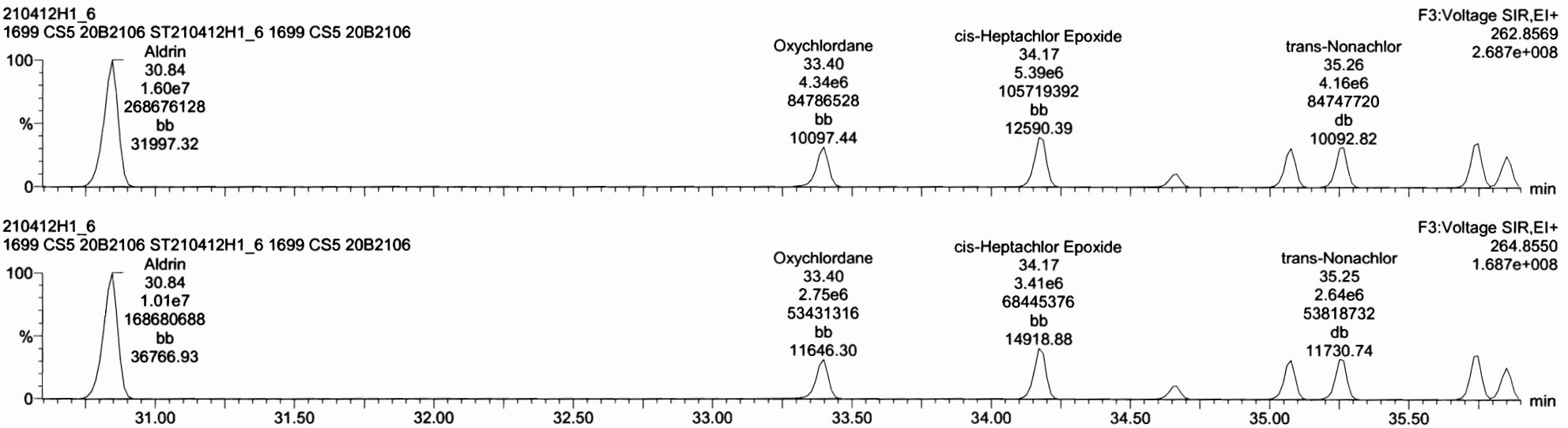
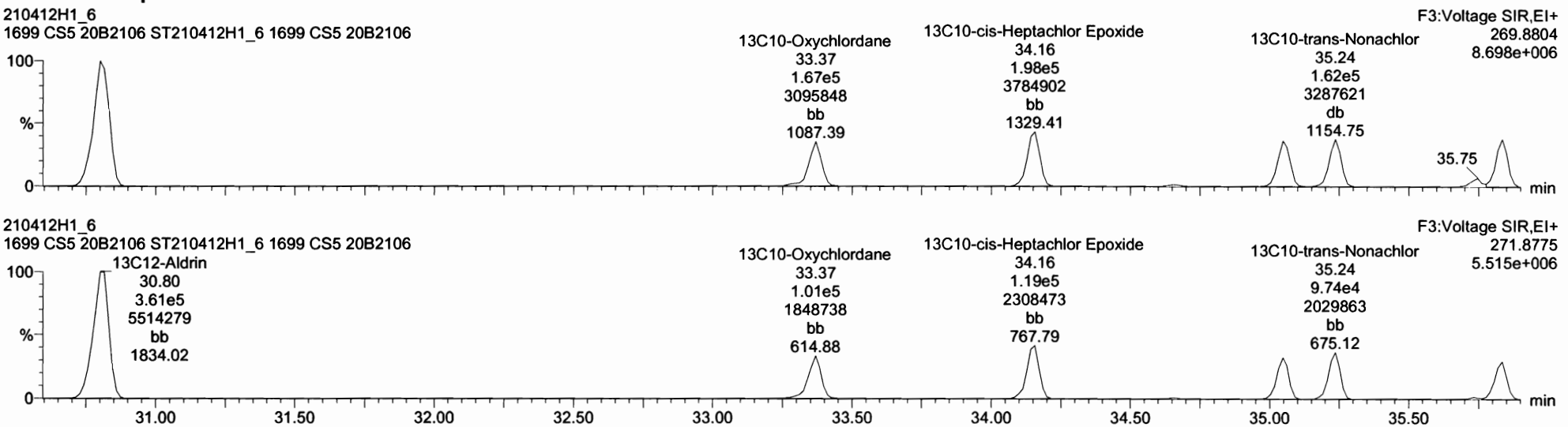
Name: 210412H1_6, Date: 12-Apr-2021, Time: 19:02:53, ID: ST210412H1_6 1699 CS5 20B2106, Description: 1699 CS5 20B2106

Aldrin-EI



Aldrin-EI-isotopes



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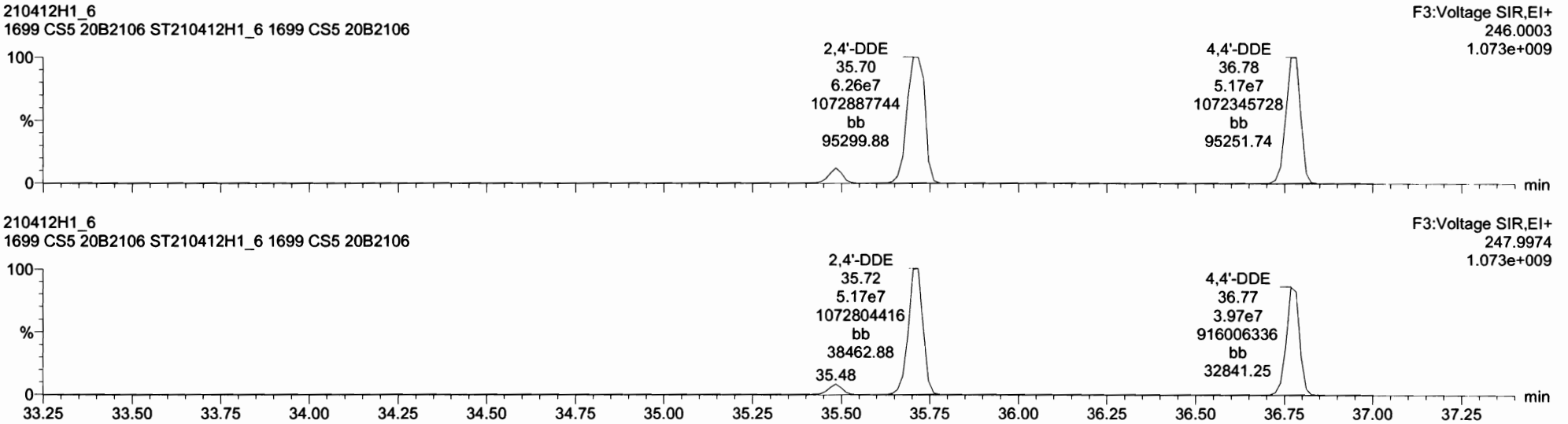
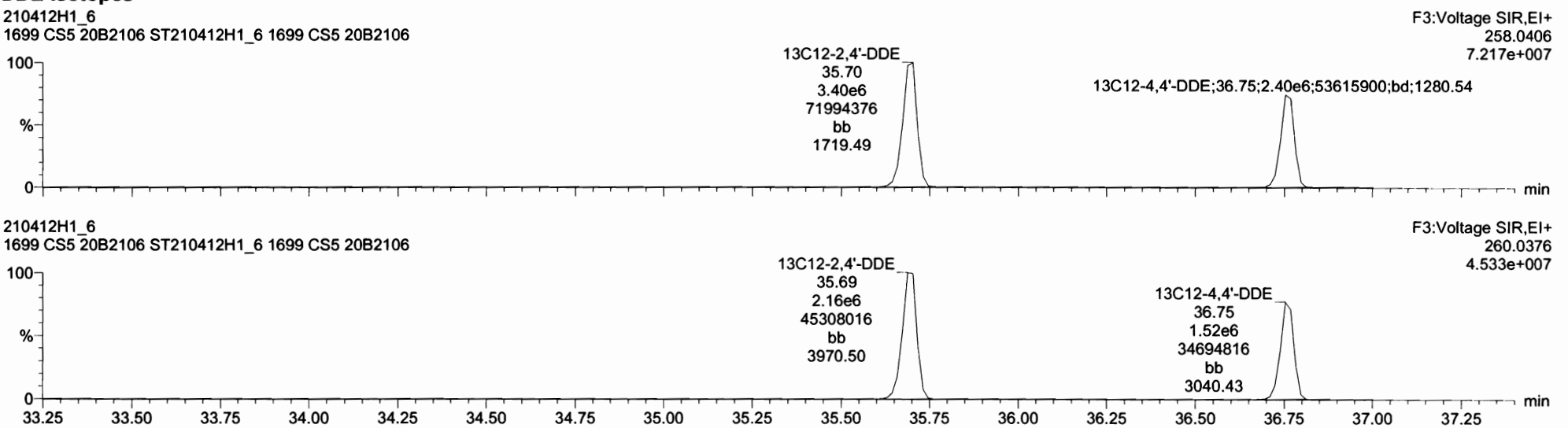
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_6, Date: 12-Apr-2021, Time: 19:02:53, ID: ST210412H1_6 1699 CS5 20B2106, Description: 1699 CS5 20B2106

DDMU-DDE



DDE-isotopes



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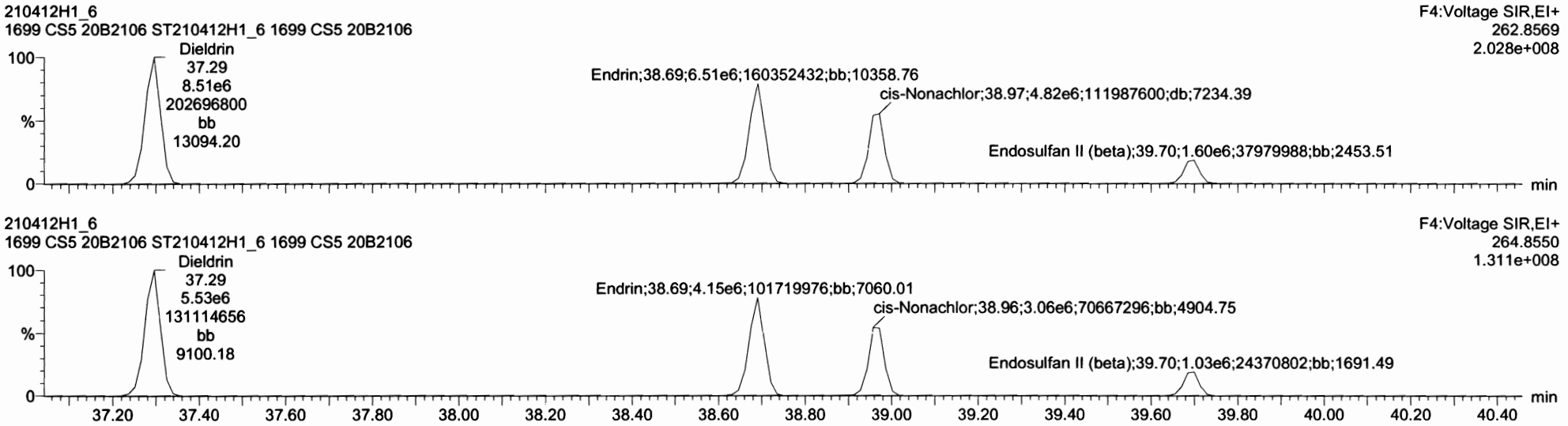
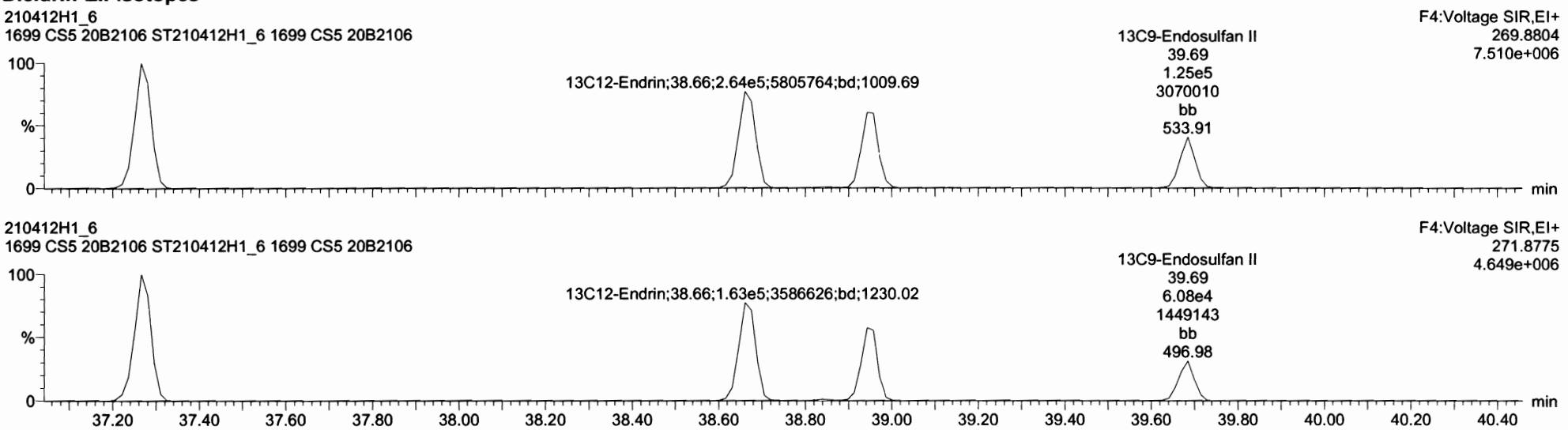
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_6, Date: 12-Apr-2021, Time: 19:02:53, ID: ST210412H1_6 1699 CS5 20B2106, Description: 1699 CS5 20B2106

Dieldrin-EII



Dieldrin-EII-isotopes



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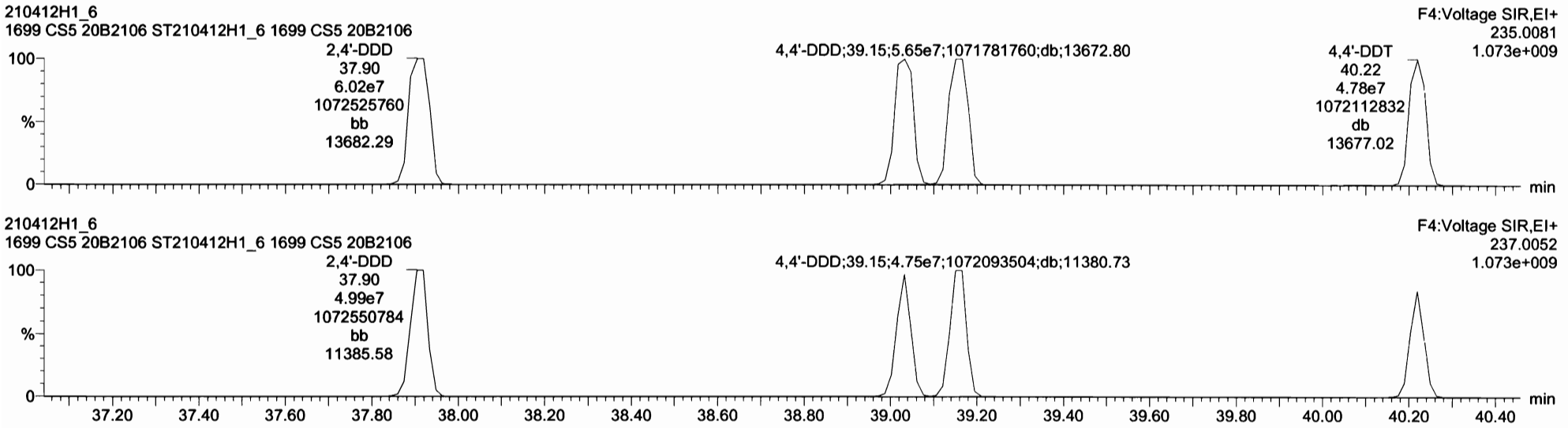
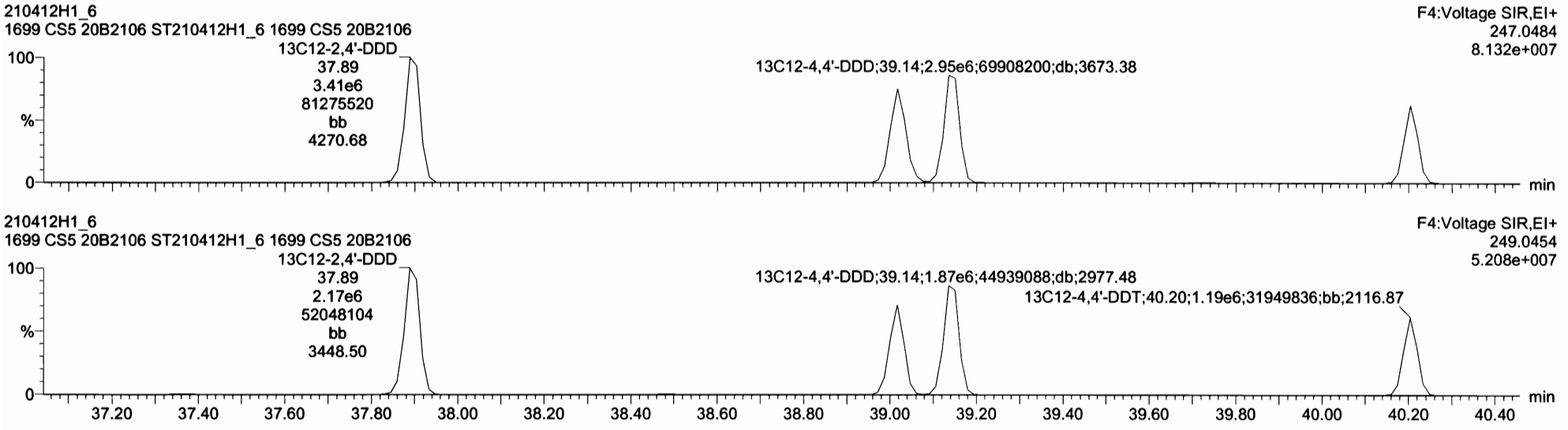
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_6, Date: 12-Apr-2021, Time: 19:02:53, ID: ST210412H1_6 1699 CS5 20B2106, Description: 1699 CS5 20B2106

DDD-DDT



DDD-DDT-isotopes



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Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
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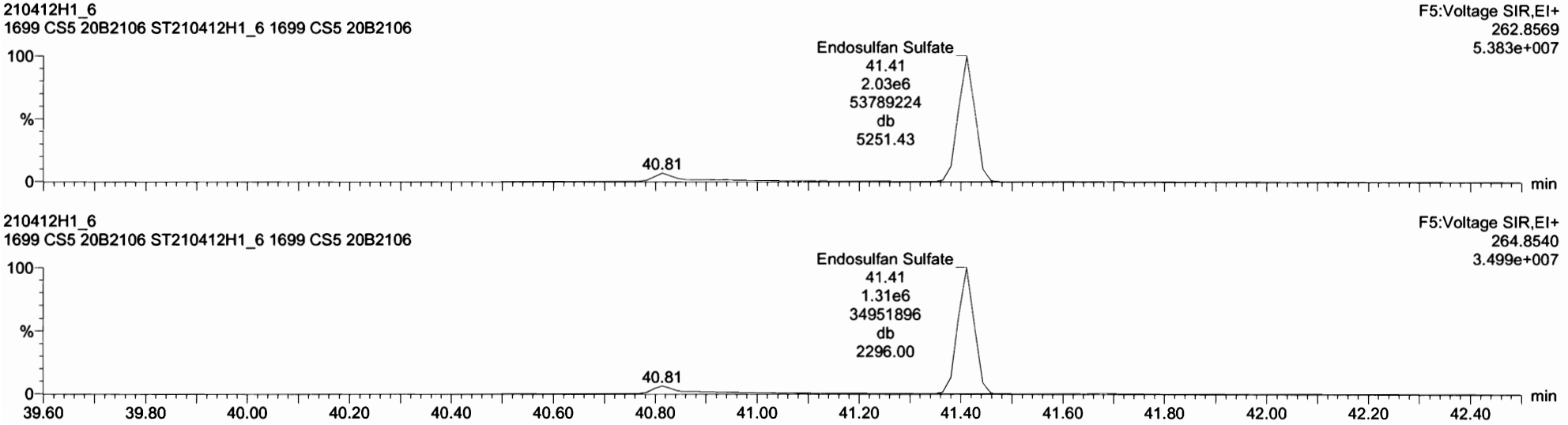
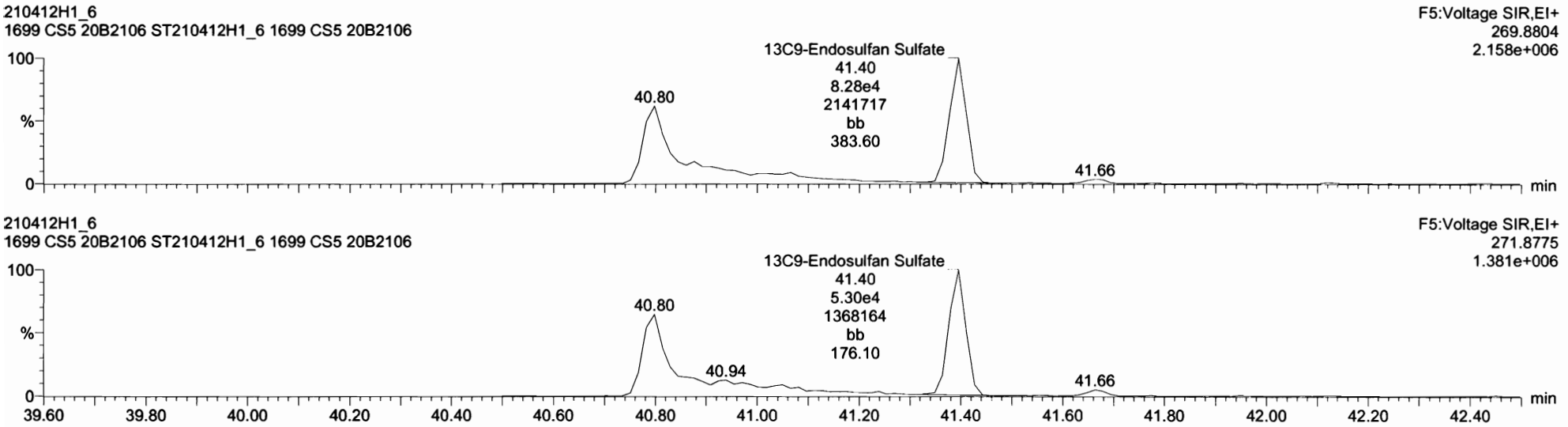
Name: 210412H1_6, Date: 12-Apr-2021, Time: 19:02:53, ID: ST210412H1_6 1699 CS5 20B2106, Description: 1699 CS5 20B2106

Endosulfan Sulfate



13C9-Endosulfan Sulfate



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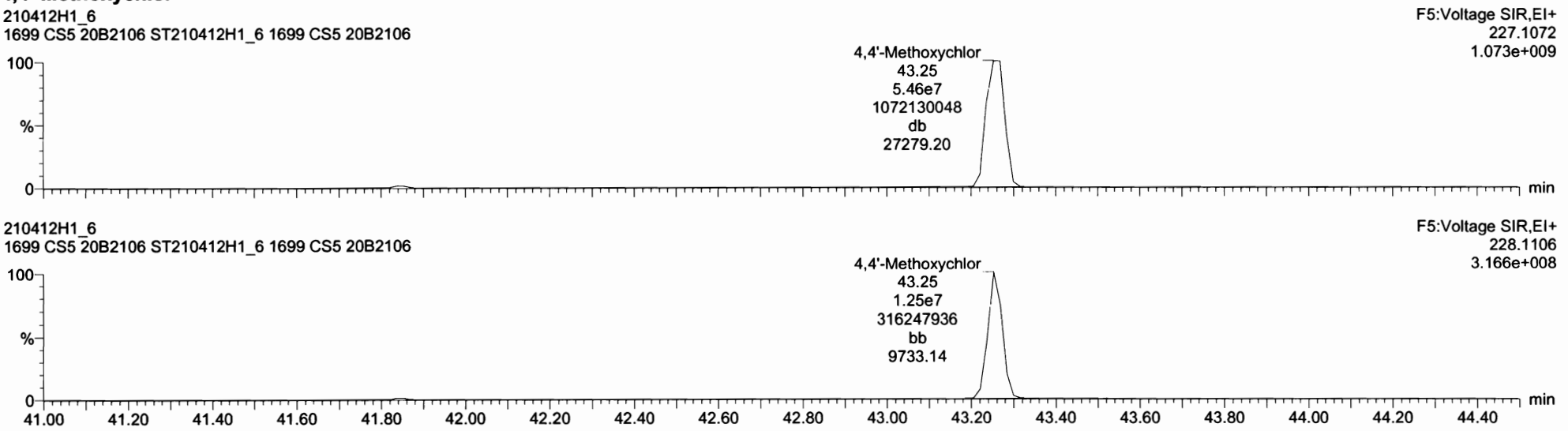
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_6, Date: 12-Apr-2021, Time: 19:02:53, ID: ST210412H1_6 1699 CS5 20B2106, Description: 1699 CS5 20B2106

4,4'-Methoxychlor



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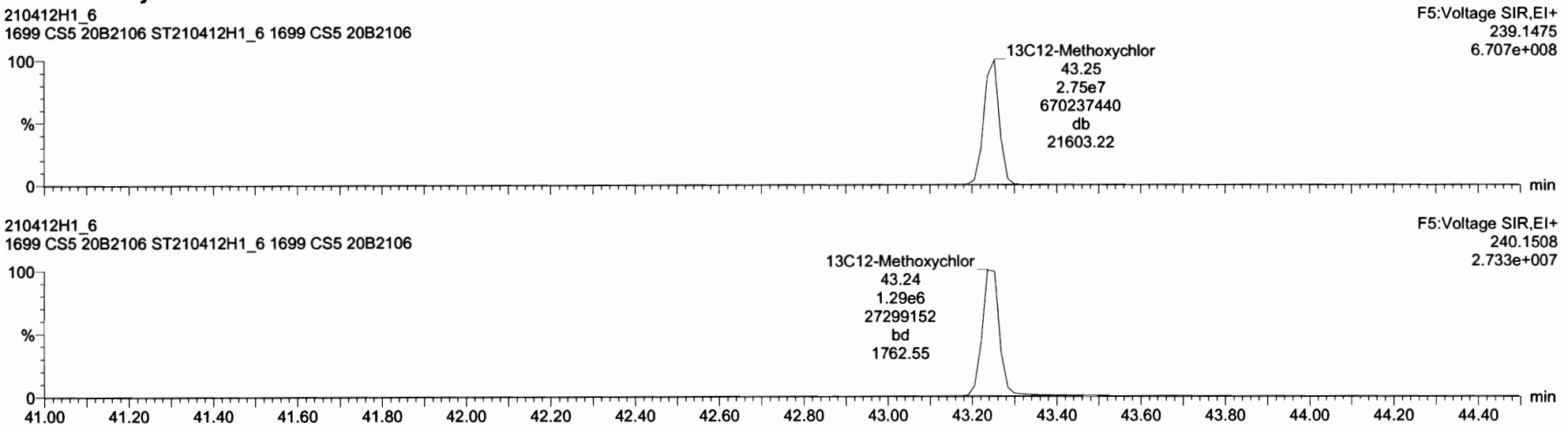

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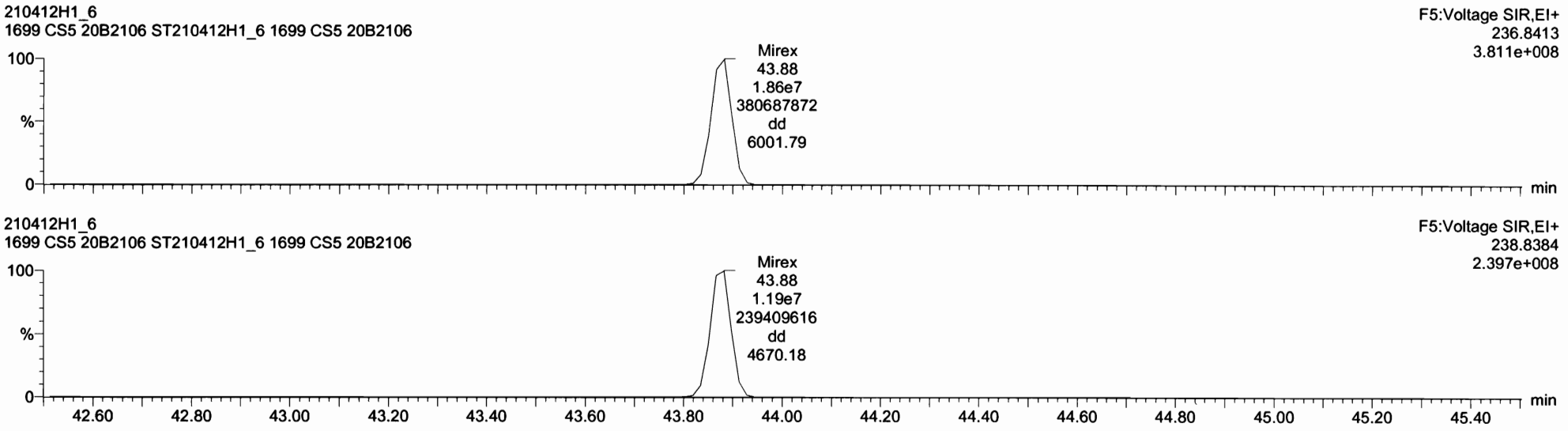
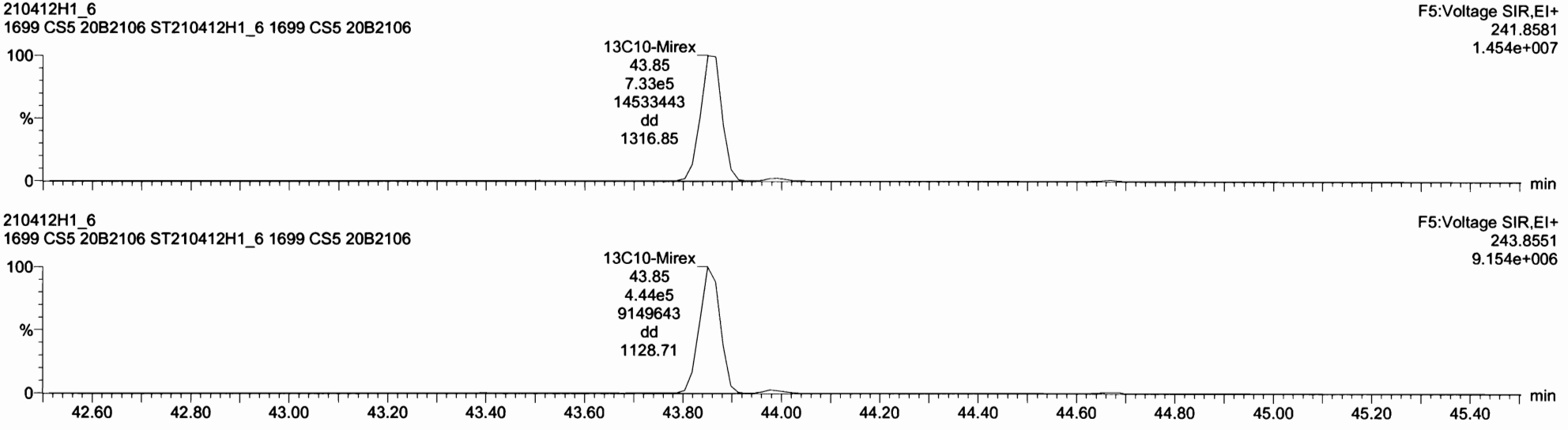
Name: 210412H1_6, Date: 12-Apr-2021, Time: 19:02:53, ID: ST210412H1_6 1699 CS5 20B2106, Description: 1699 CS5 20B2106

Mirex



13C10-Mirex



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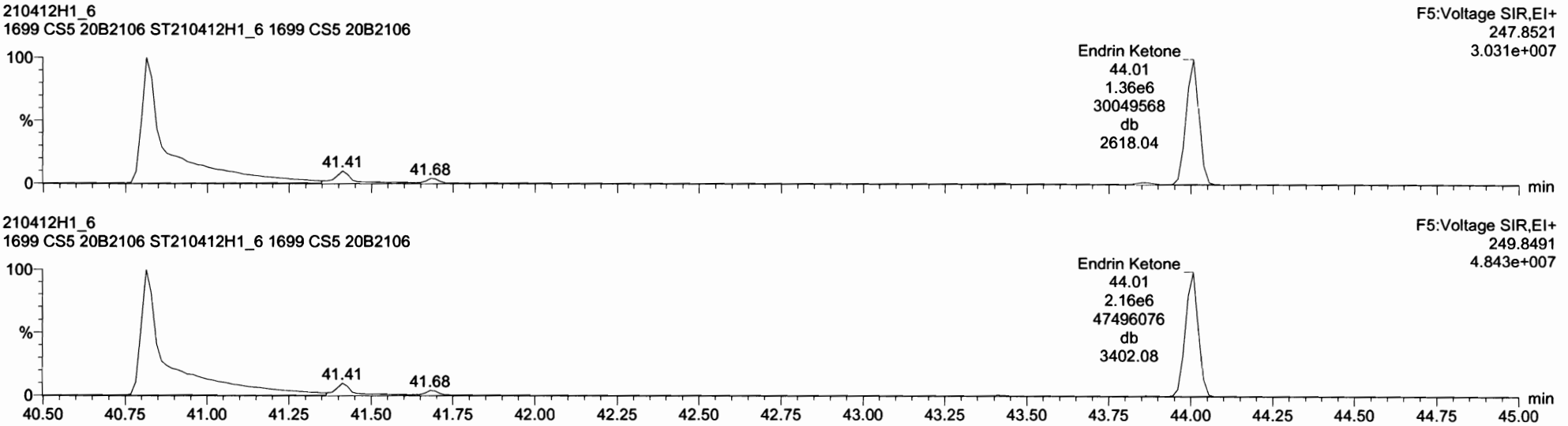
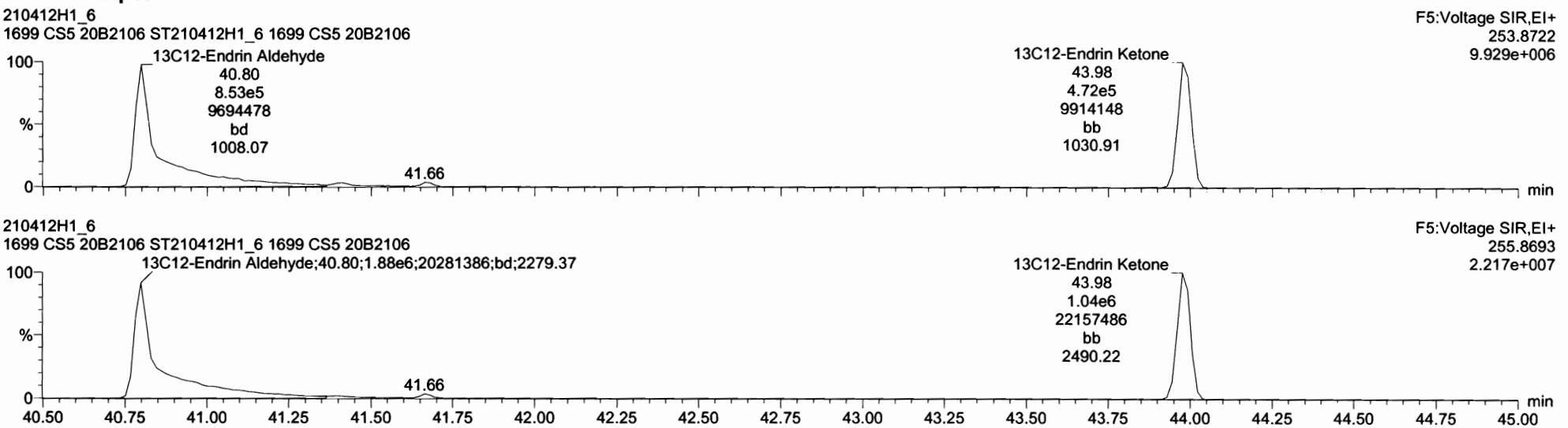
Name: 210412H1_6, Date: 12-Apr-2021, Time: 19:02:53, ID: ST210412H1_6 1699 CS5 20B2106, Description: 1699 CS5 20B2106

EA-EK



EA-EK-isotopes



TargetLynx - 210412H1_CRV.qld

File Edit View Display Processing Window Help

210412H1_6 - ST2 ...12H1_6 1699 CS5 20B2106 / 1699 CS5 20B2106

	#	Name	RT	RA	y/n	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M	RRF SD
31	31	Endrin Aldehyde	40.81	0.951	NO	3.6962e6	1.4366e6	1200.000	4.4	10.7	1.93	0.118
32	32	Endrin Ketone	44.91	0.928	NO	1.5168e6	1.5038e6	1200.000	4.6	4.56	0.826	0.0402
33	33	1304-Hexachlorobutadiene	9.92	1.278	NO	5.8692e6	5.7398e6	600.000	-38.2	39.1	0.153	0.0467
34	34	1305-Hexachlorobenzene	22.55	1.262	NO	5.0410e6	5.7395e6	60.000	1.3	1.28	0.967	0.0119
35	35	1306-Alpha-BHC	25.23	0.786	NO	1.5854e6	5.7398e6	60.000	7.0	3.63	0.258	0.00938
36	36	1306-Lindane (gamma)	26.59	0.792	NO	1.1520e6	5.7398e6	60.000	7.2	3.50	0.194	0.00759
37	37	1308-Beta-BHC	28.58	0.791	NO	9.1255e5	5.7398e6	60.000	10.9	9.87	0.144	0.00615
38	38	1308-Delta-BHC	30.25	0.801	NO	1.1083e6	5.7398e6	60.000	14.8	1.85	0.168	0.00132
39	39	13C10-heptachlor	28.72	1.279	NO	9.5701e5	5.7398e6	60.000	12.5	8.62	0.148	0.0101
40	40	13C12-Aldrin	30.80	1.568	NO	9.2704e5	5.7393e6	60.000	4.9	2.96	0.154	0.00456
41	41	13C10-Oxychlordane	33.37	1.655	NO	2.8754e5	5.7396e6	60.000	15.4	5.24	0.0404	0.00233
42	42	13C10-cis-Heptachlor Epo	34.16	1.643	NO	3.1726e5	5.7395e6	60.000	12.1	6.66	0.0493	0.00329

Chromatogram

210412H1_6
1699 CS5 20B2106 ST210412H1_6 1699 CS5 20B2106
Endrin Aldehyde
40.81
1430161.00
30314896
41.41
41.88

210412H1_6
1699 CS5 20B2106 ST210412H1_6 1699 CS5 20B2106
Endrin Aldehyde;40.81;2266023.50;48341468
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210412H1_6
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210412H1_6
1699 CS5 20B2106 ST210412H1_6 1699 CS5 20B2106
13C12-Endrin Aldehyde;40.80;961491.13;20288784

40.50 40.60 40.70 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 42.80

Ready

Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
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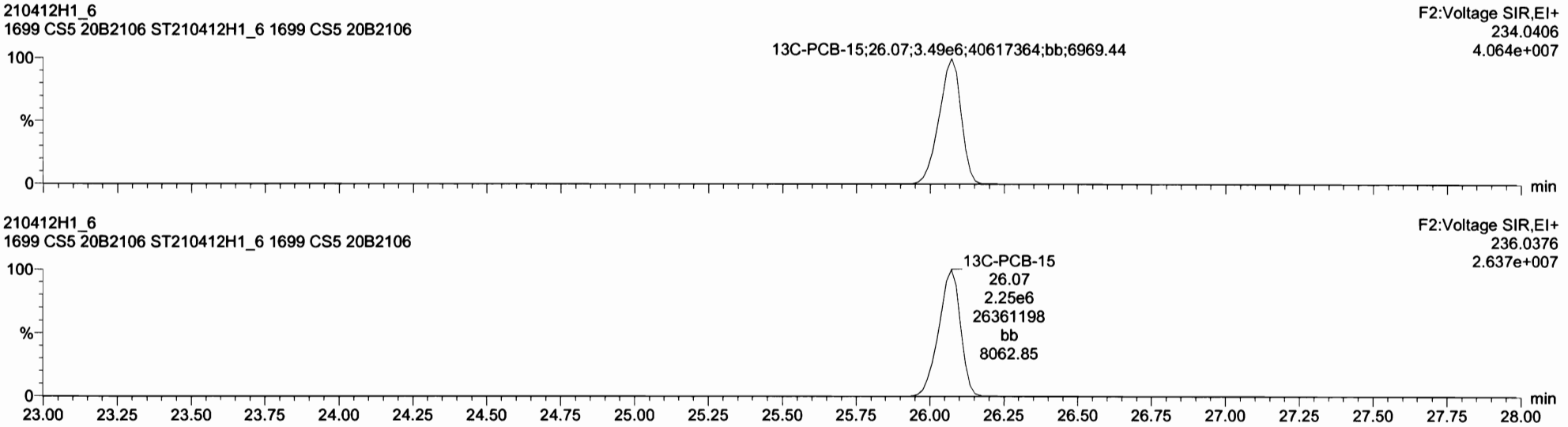
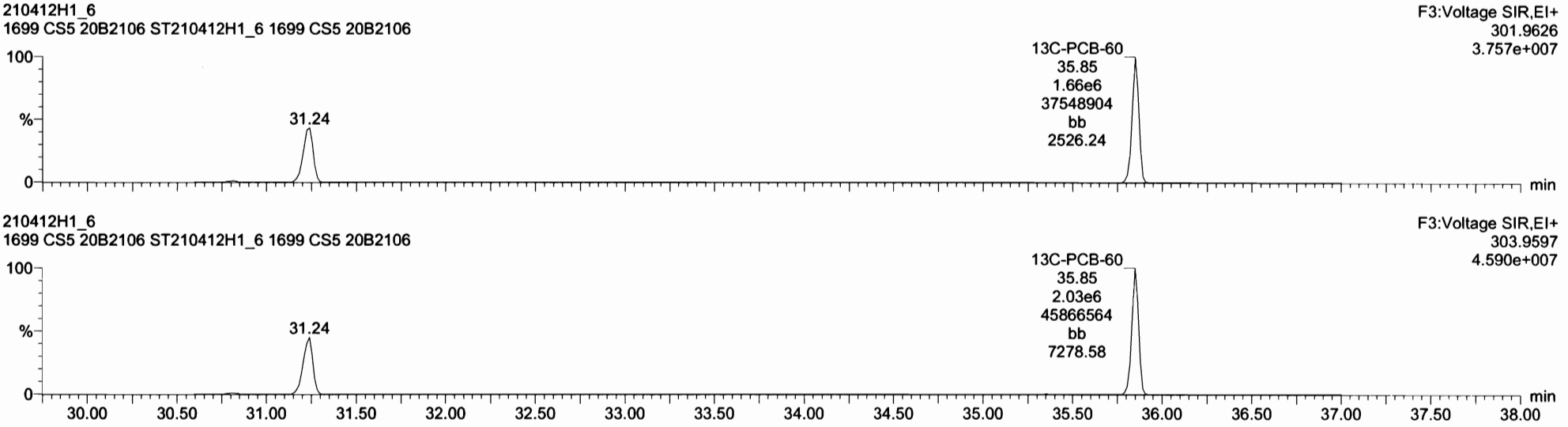
Name: 210412H1_6, Date: 12-Apr-2021, Time: 19:02:53, ID: ST210412H1_6 1699 CS5 20B2106, Description: 1699 CS5 20B2106

13C-PCB-15



13C-PCB-60



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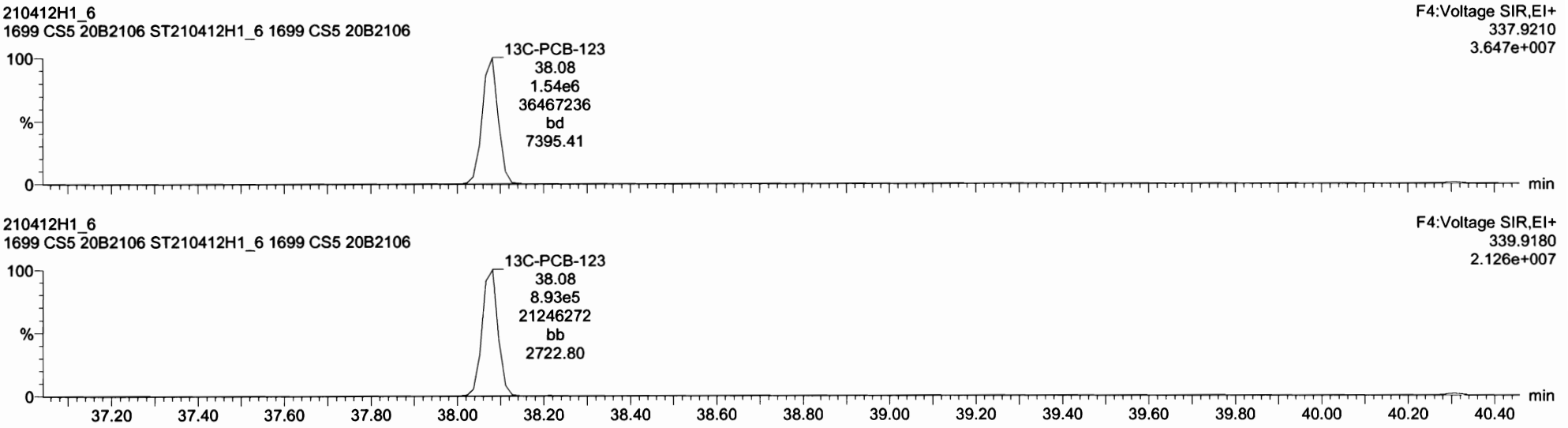
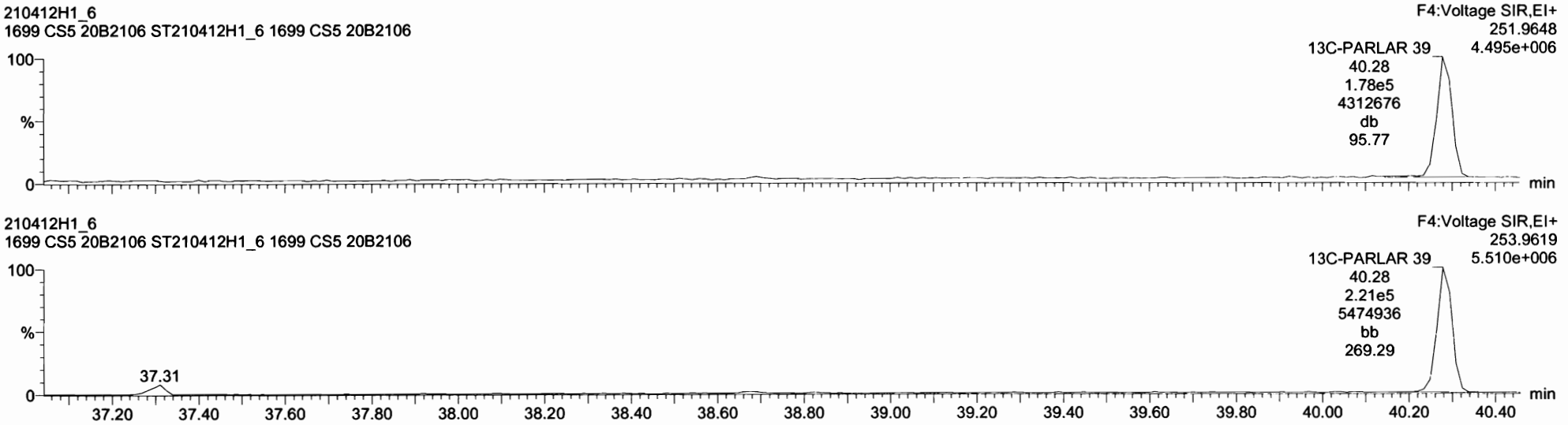
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_6, Date: 12-Apr-2021, Time: 19:02:53, ID: ST210412H1_6 1699 CS5 20B2106, Description: 1699 CS5 20B2106

13C-PCB-123



13C-PARLAR 39



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Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
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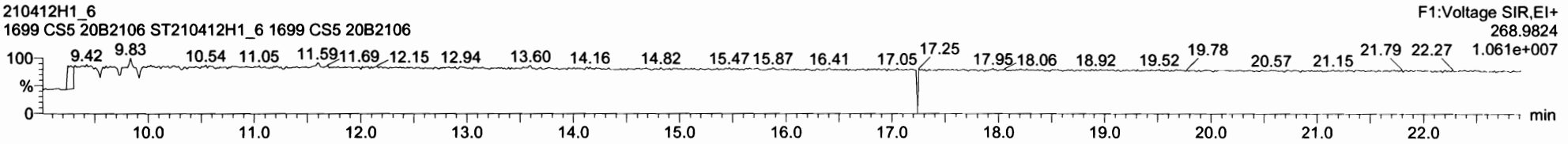
Name: 210412H1_6, Date: 12-Apr-2021, Time: 19:02:53, ID: ST210412H1_6 1699 CS5 20B2106, Description: 1699 CS5 20B2106

PFK1



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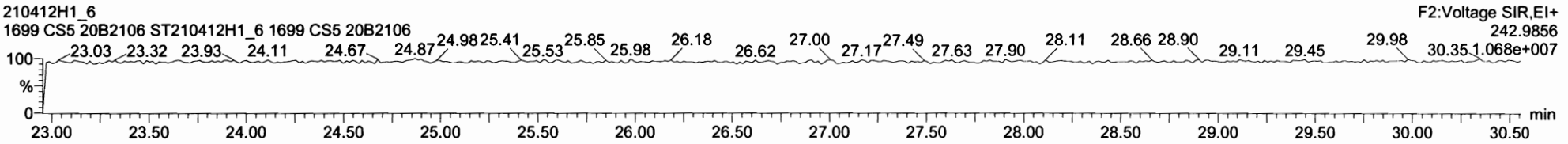

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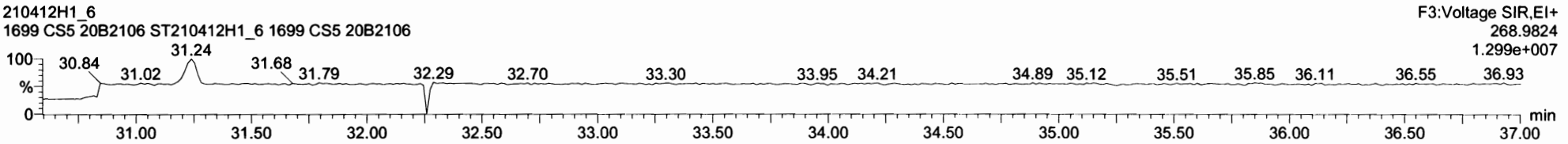

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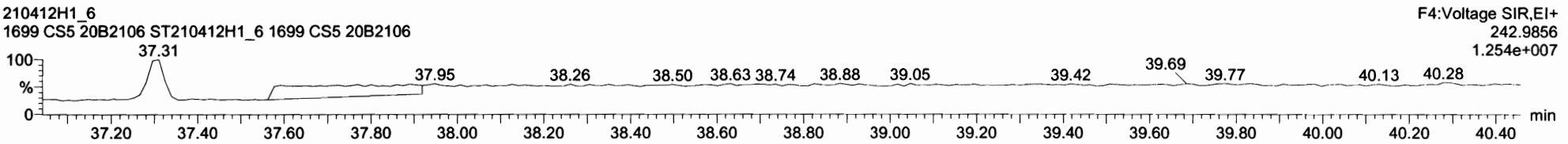

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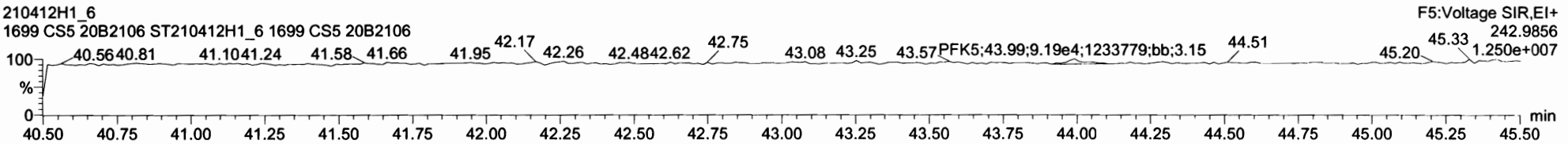

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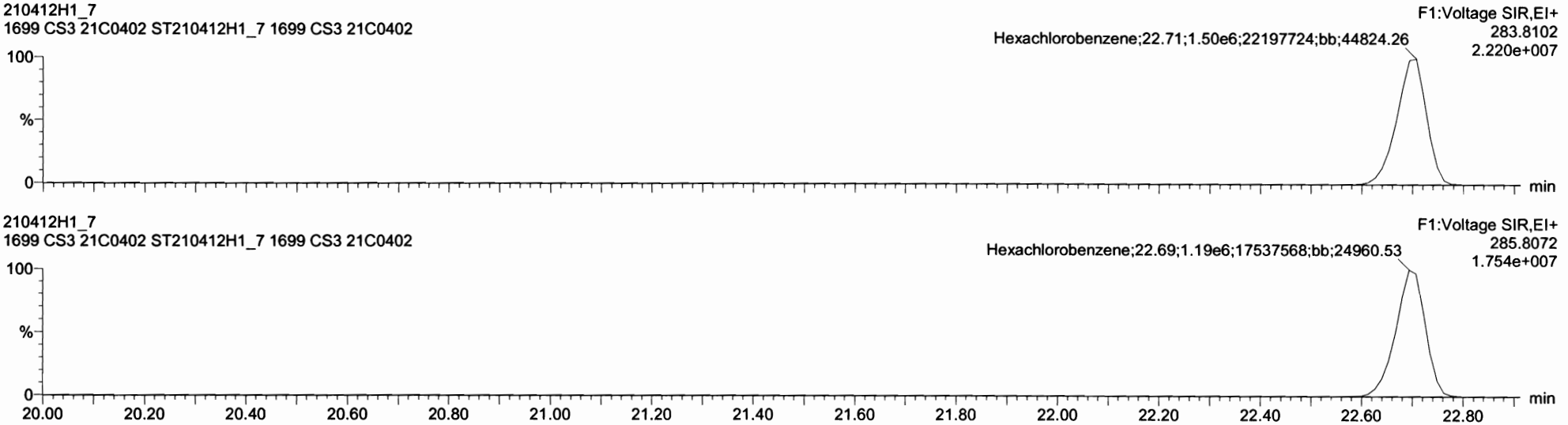
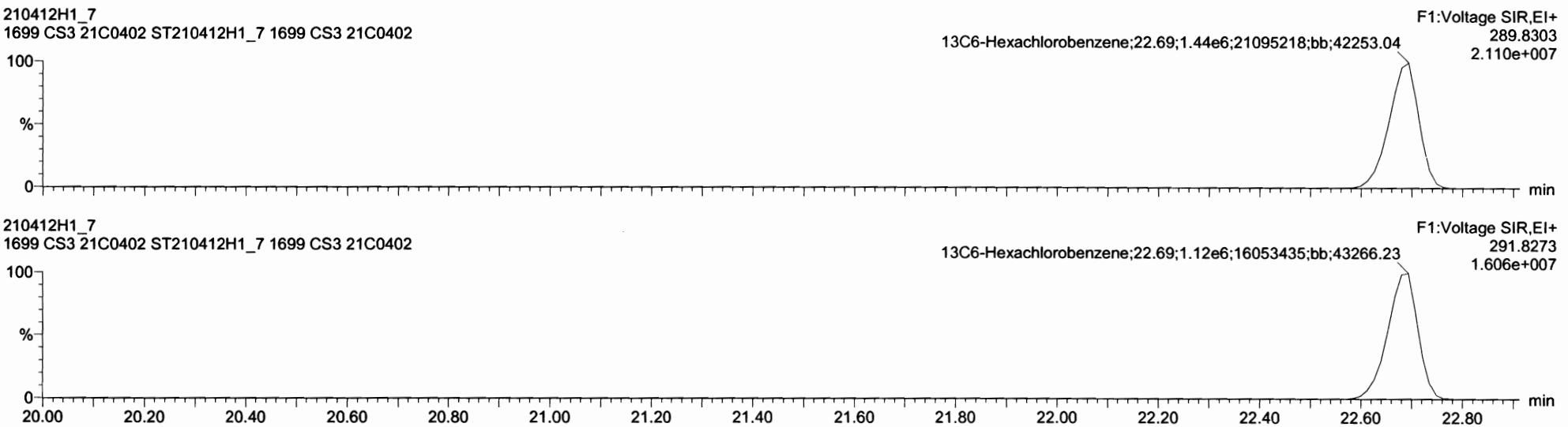
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_7, Date: 12-Apr-2021, Time: 19:51:12, ID: ST210412H1_7 1699 CS3 21C0402, Description: 1699 CS3 21C0402

Hexachlorobenzene



13C6-Hexachlorobenzene

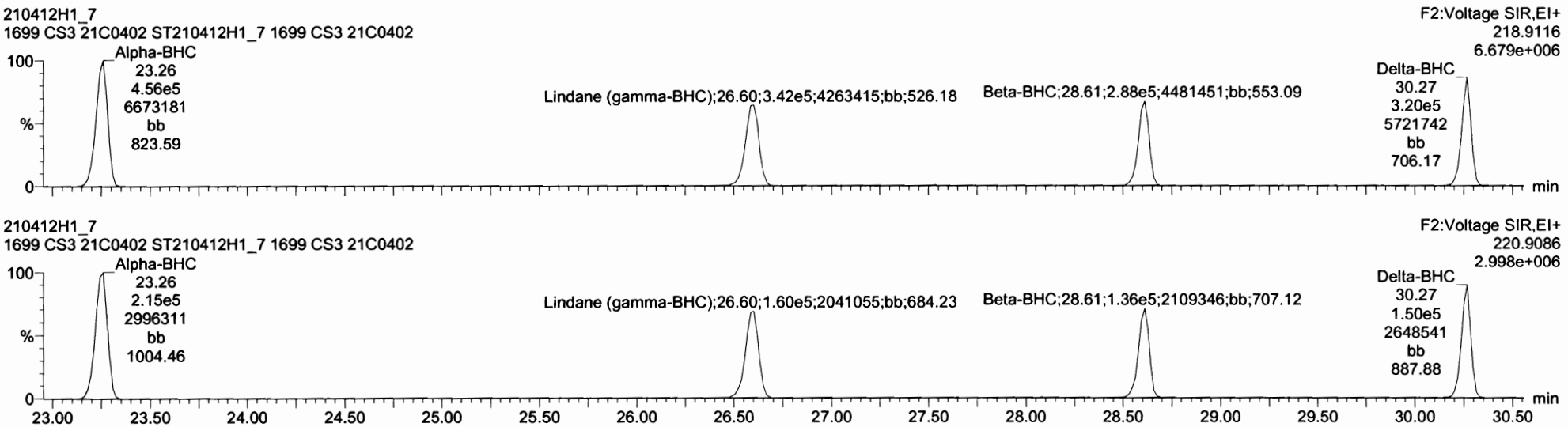


Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

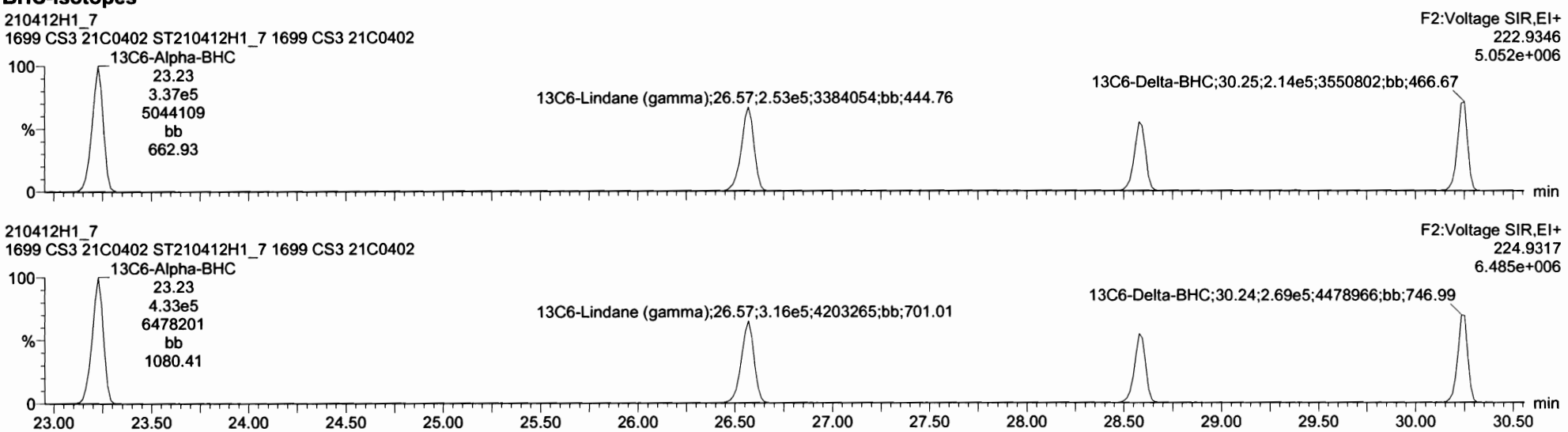
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_7, Date: 12-Apr-2021, Time: 19:51:12, ID: ST210412H1_7 1699 CS3 21C0402, Description: 1699 CS3 21C0402

BHC Totals



BHC-isotopes



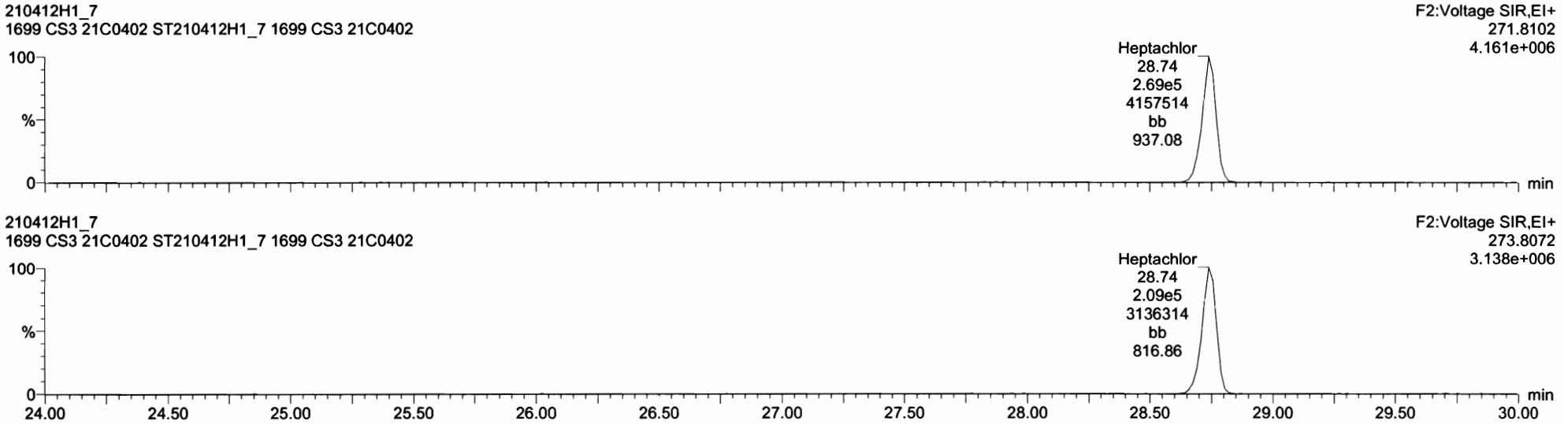
Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

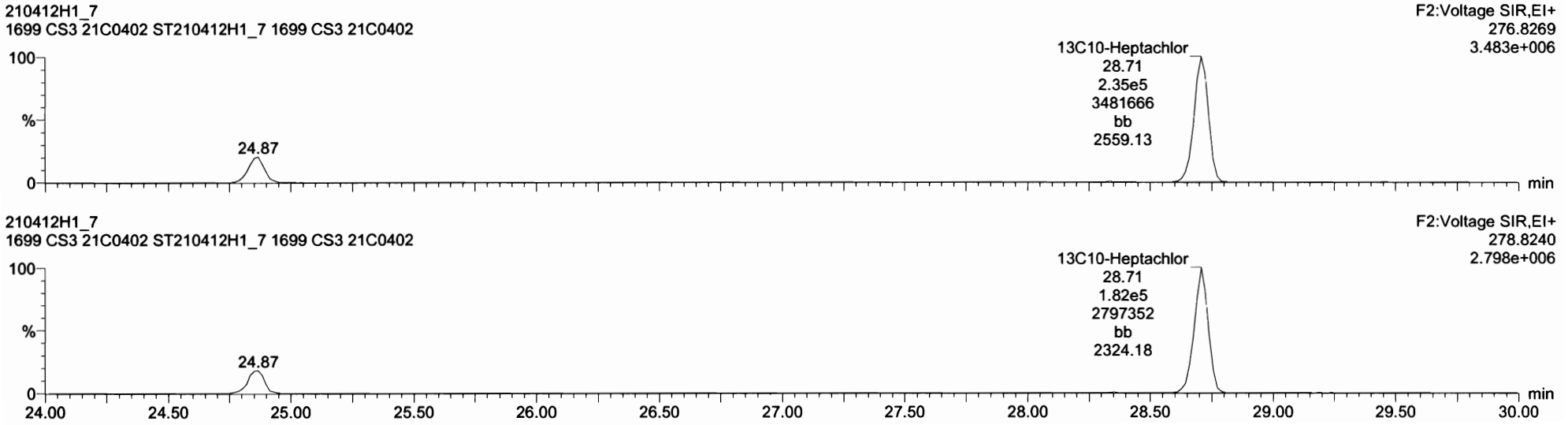
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_7, Date: 12-Apr-2021, Time: 19:51:12, ID: ST210412H1_7 1699 CS3 21C0402, Description: 1699 CS3 21C0402

Heptachlor



13C10-Heptachlor



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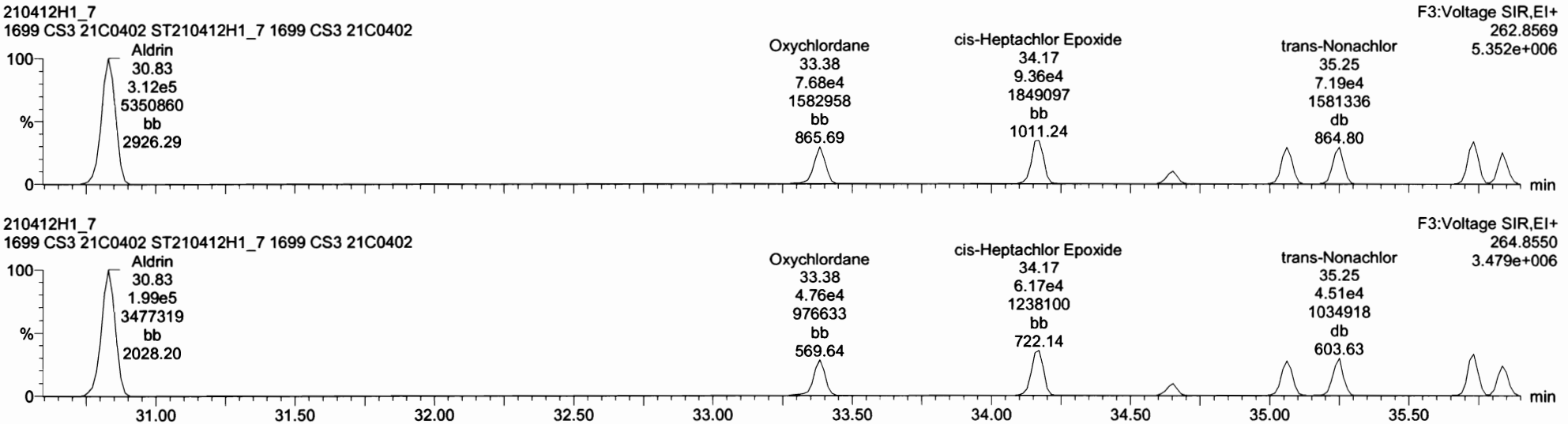
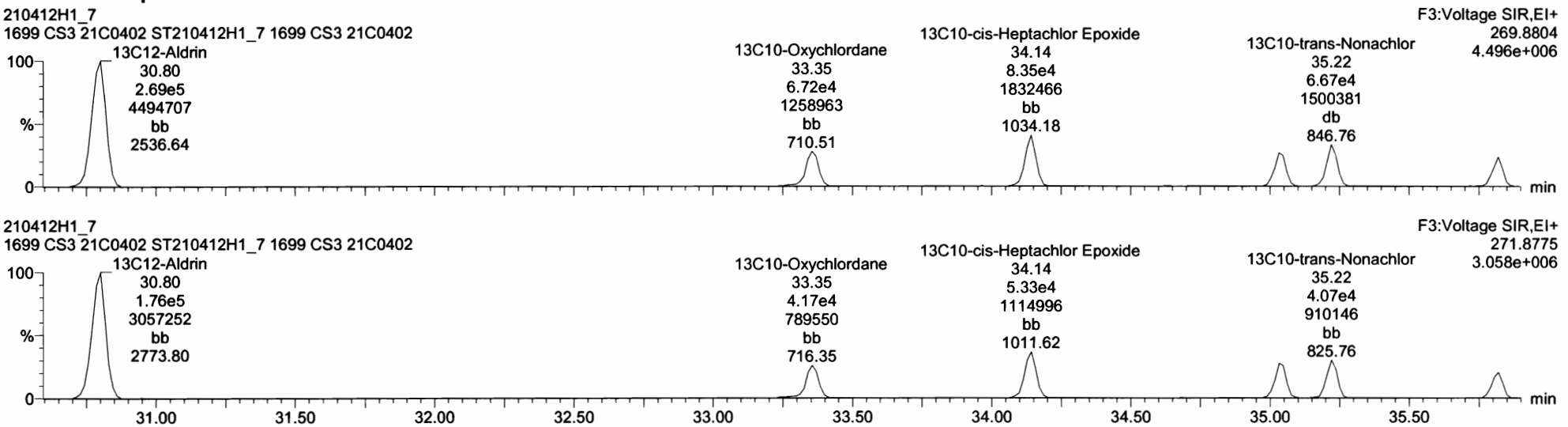
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_7, Date: 12-Apr-2021, Time: 19:51:12, ID: ST210412H1_7 1699 CS3 21C0402, Description: 1699 CS3 21C0402

Aldrin-EI



Aldrin-EI-isotopes



Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
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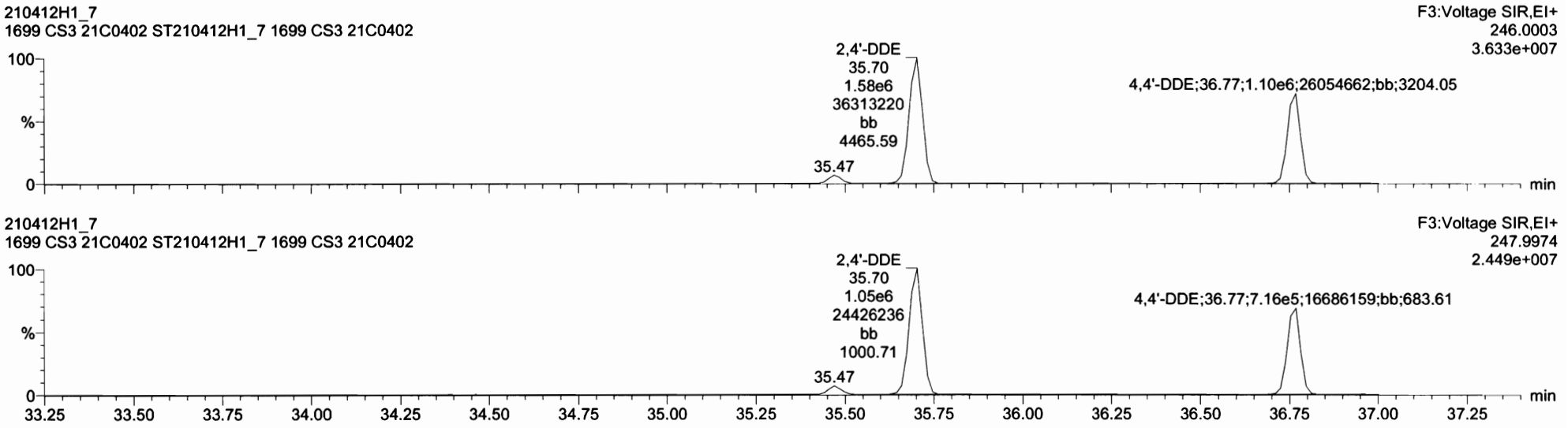
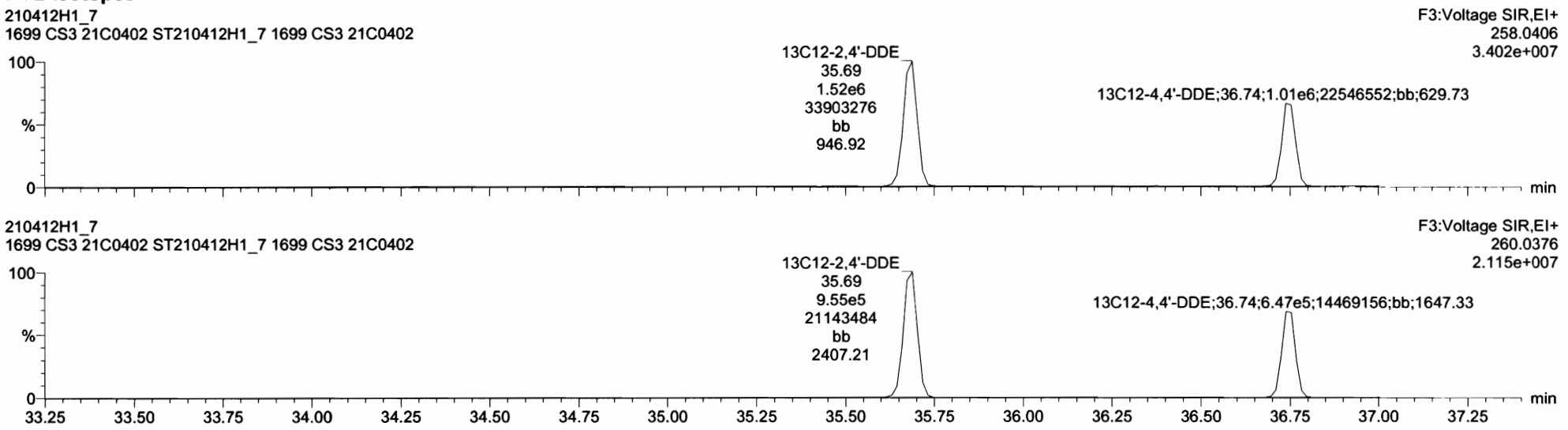
Name: 210412H1_7, Date: 12-Apr-2021, Time: 19:51:12, ID: ST210412H1_7 1699 CS3 21C0402, Description: 1699 CS3 21C0402

DDMU-DDE



DDE-isotopes



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Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
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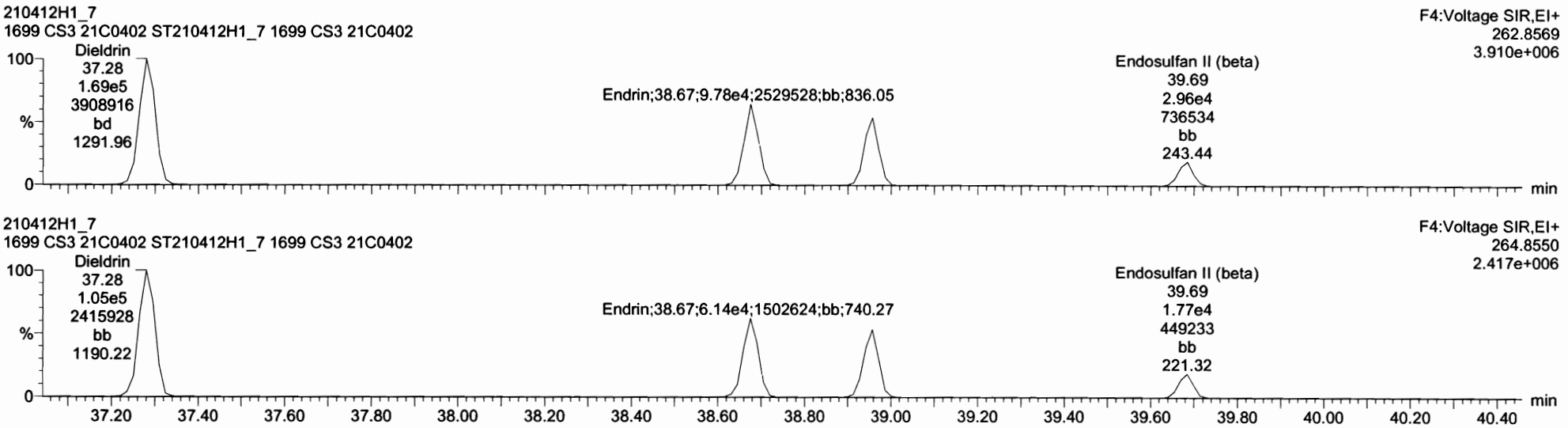
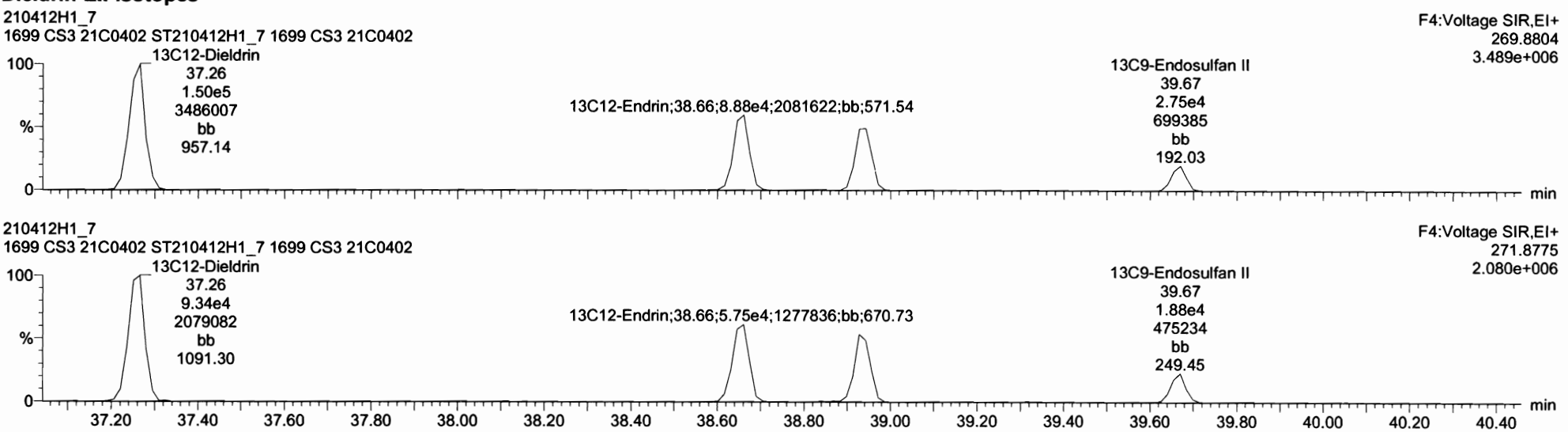
Name: 210412H1_7, Date: 12-Apr-2021, Time: 19:51:12, ID: ST210412H1_7 1699 CS3 21C0402, Description: 1699 CS3 21C0402

Dieldrin-EII



Dieldrin-EII-isotopes



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Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
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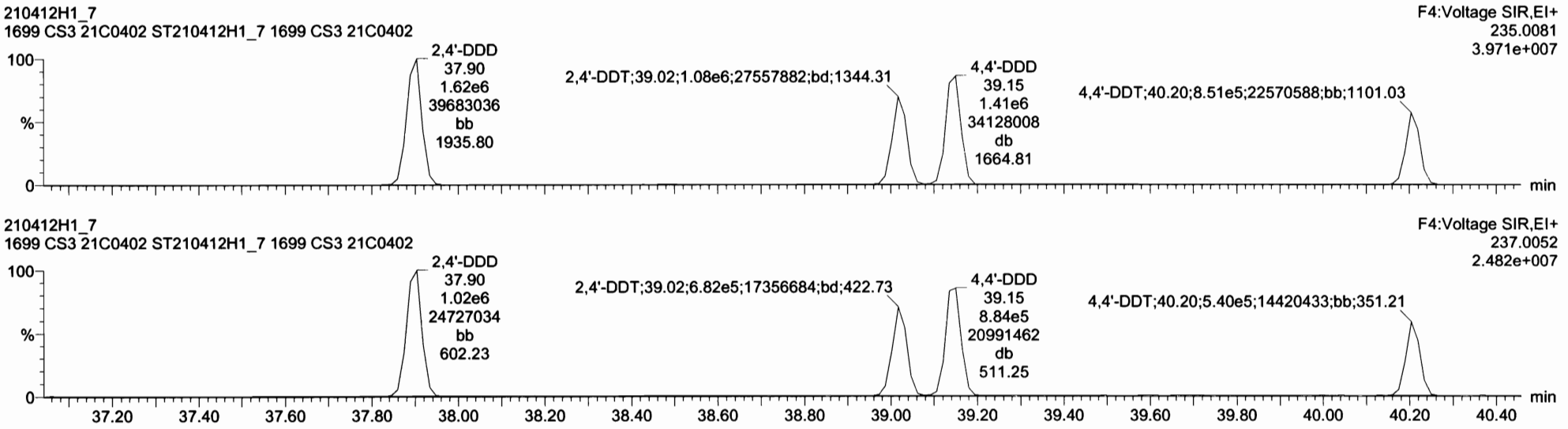
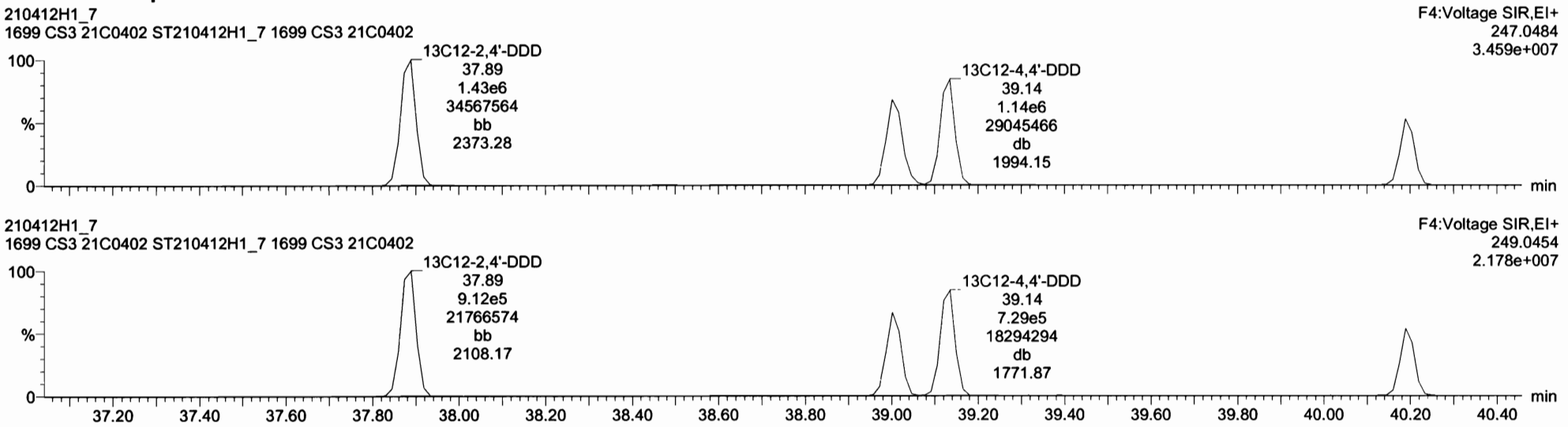
Name: 210412H1_7, Date: 12-Apr-2021, Time: 19:51:12, ID: ST210412H1_7 1699 CS3 21C0402, Description: 1699 CS3 21C0402

DDD-DDT



DDD-DDT-isotopes



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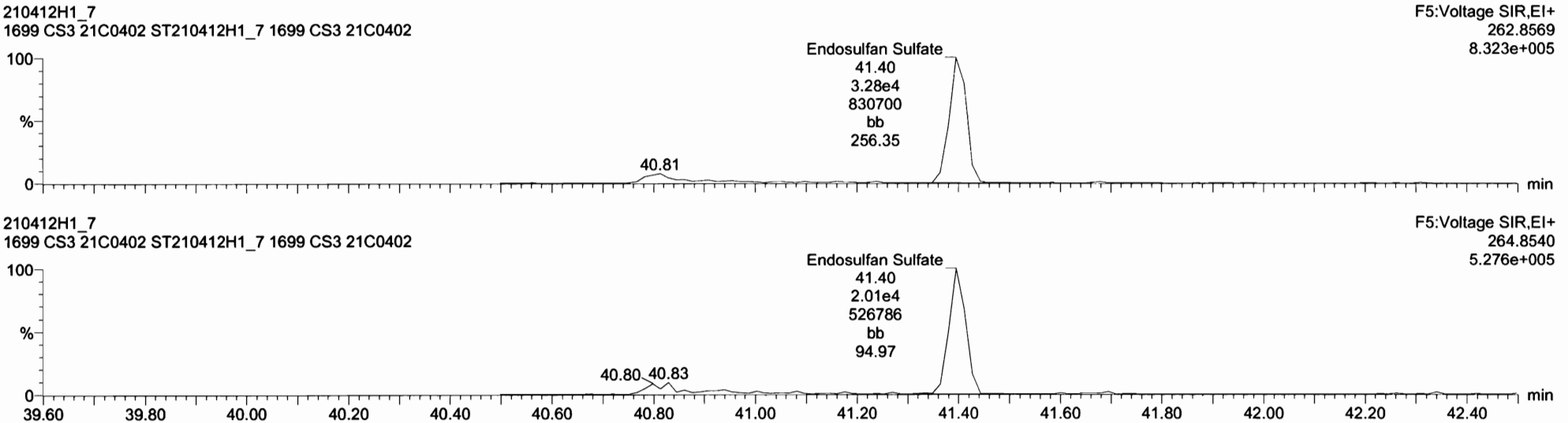
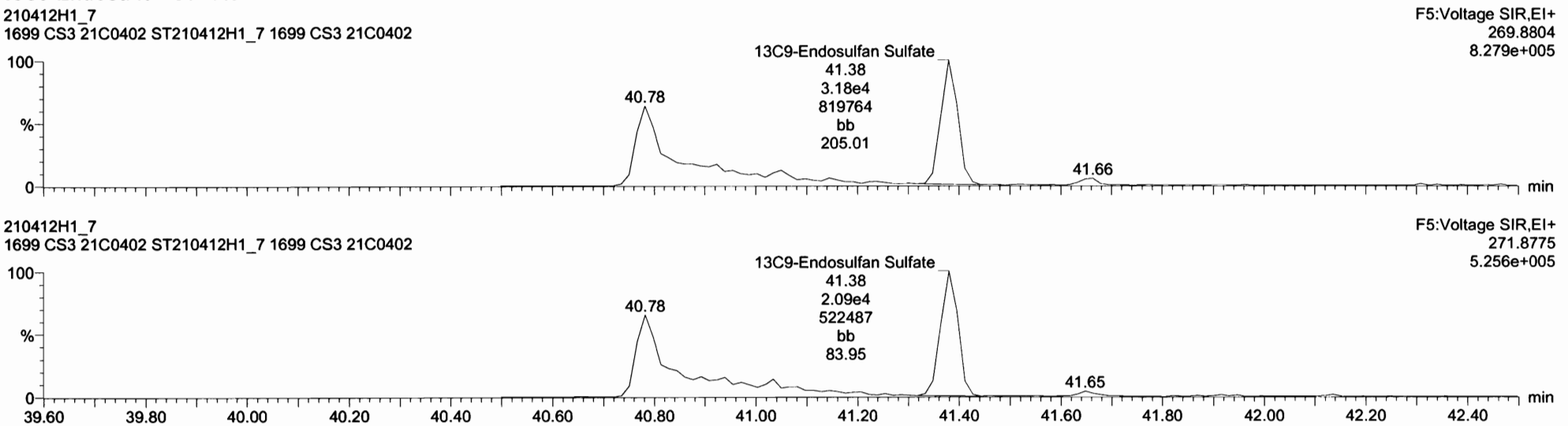
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_7, Date: 12-Apr-2021, Time: 19:51:12, ID: ST210412H1_7 1699 CS3 21C0402, Description: 1699 CS3 21C0402

Endosulfan Sulfate



13C9-Endosulfan Sulfate

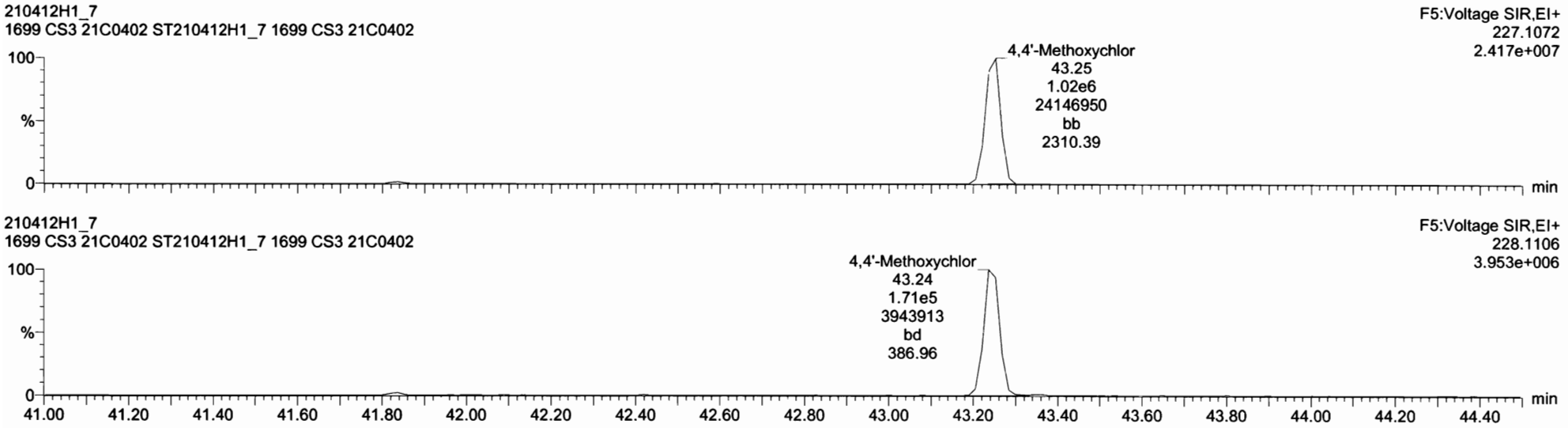


Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_7, Date: 12-Apr-2021, Time: 19:51:12, ID: ST210412H1_7 1699 CS3 21C0402, Description: 1699 CS3 21C0402

4,4'-Methoxychlor



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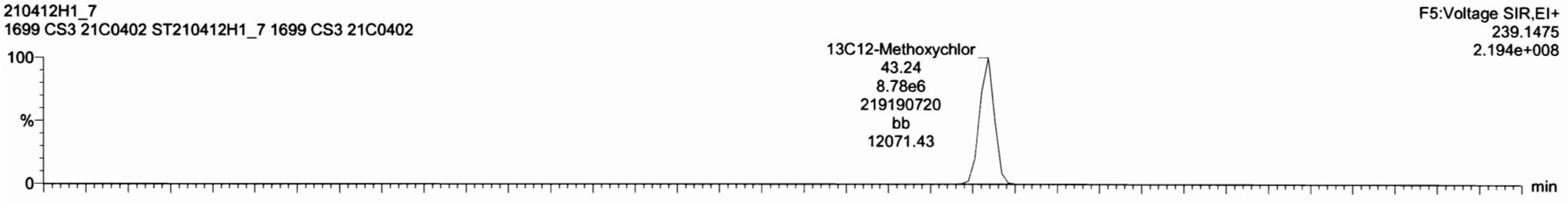

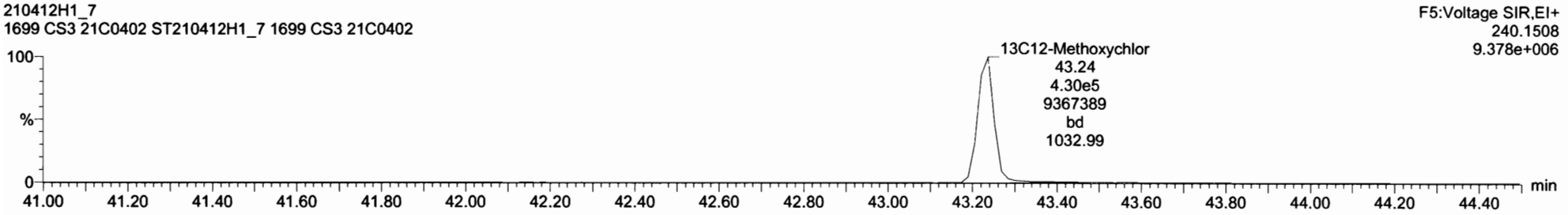

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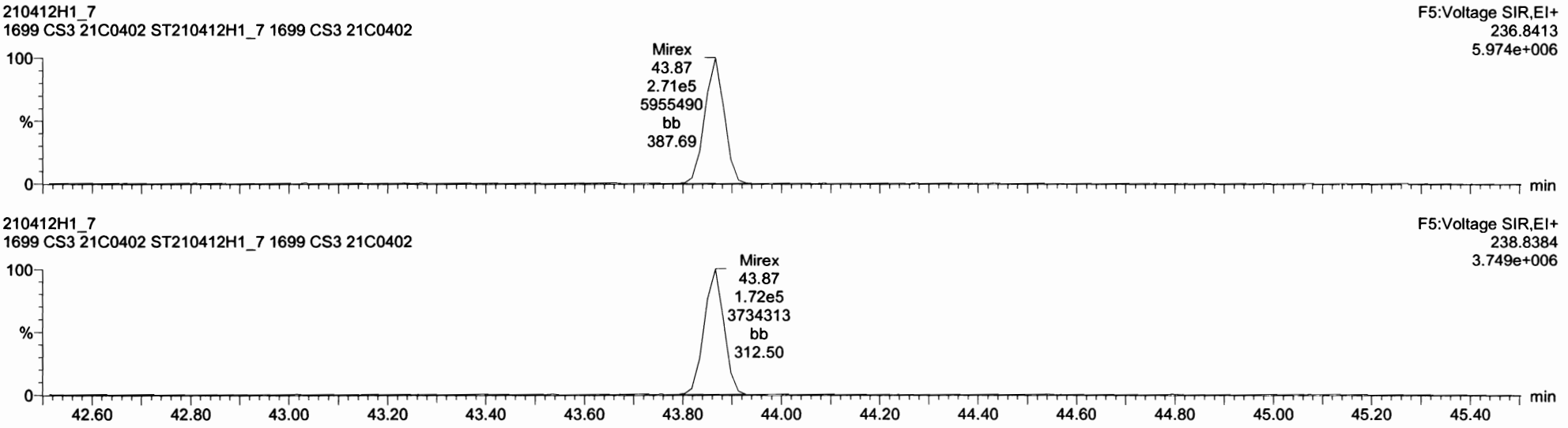
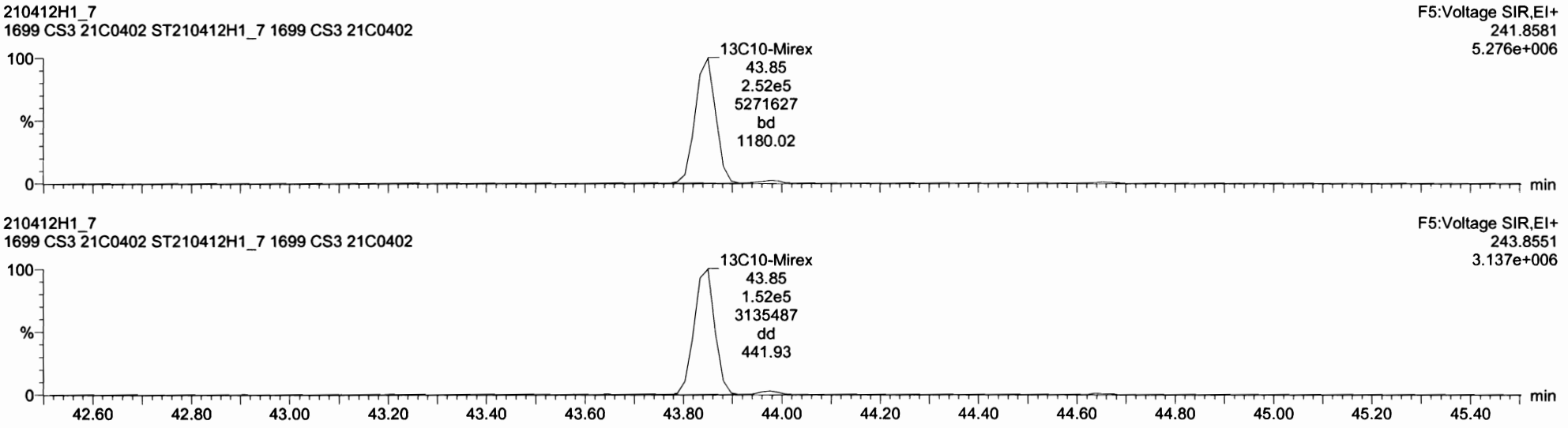
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_7, Date: 12-Apr-2021, Time: 19:51:12, ID: ST210412H1_7 1699 CS3 21C0402, Description: 1699 CS3 21C0402

Mirex



13C10-Mirex



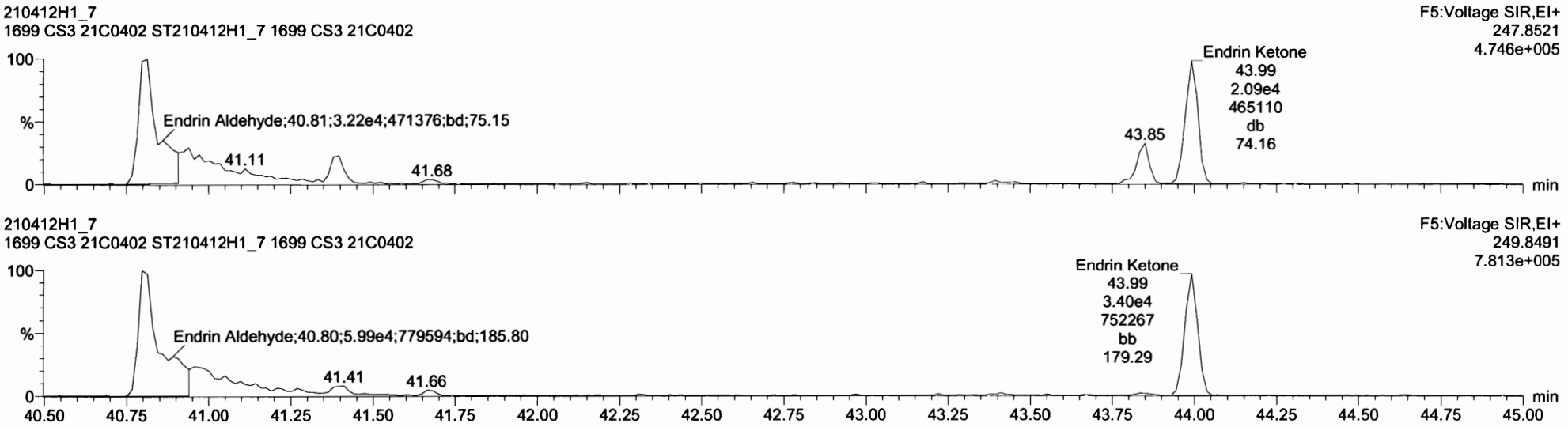
Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

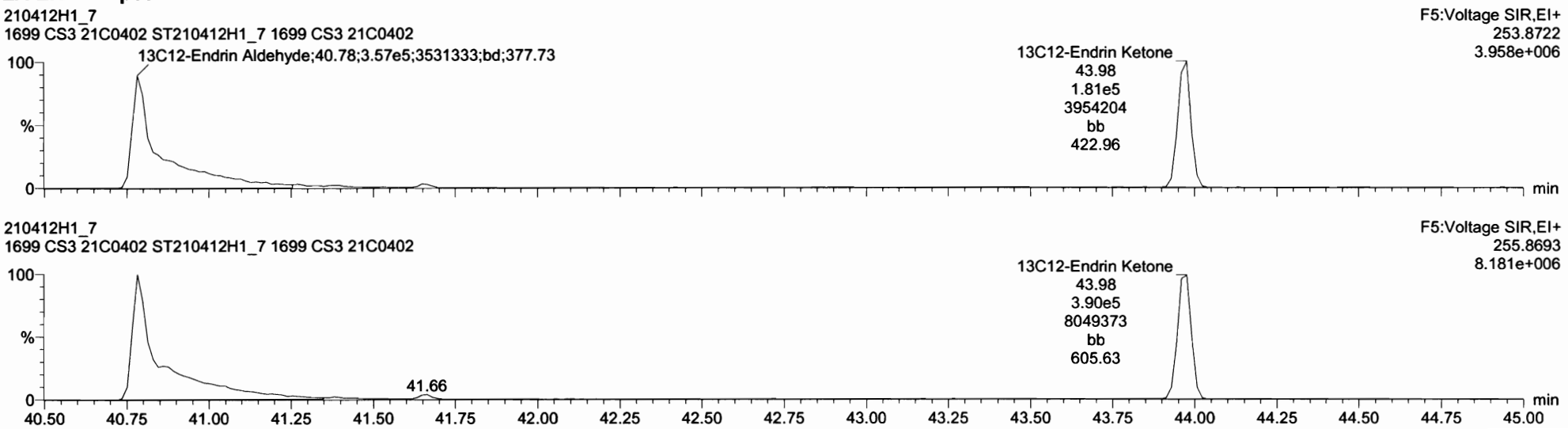
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_7, Date: 12-Apr-2021, Time: 19:51:12, ID: ST210412H1_7 1699 CS3 21C0402, Description: 1699 CS3 21C0402

EA-EK



EA-EK-isotopes



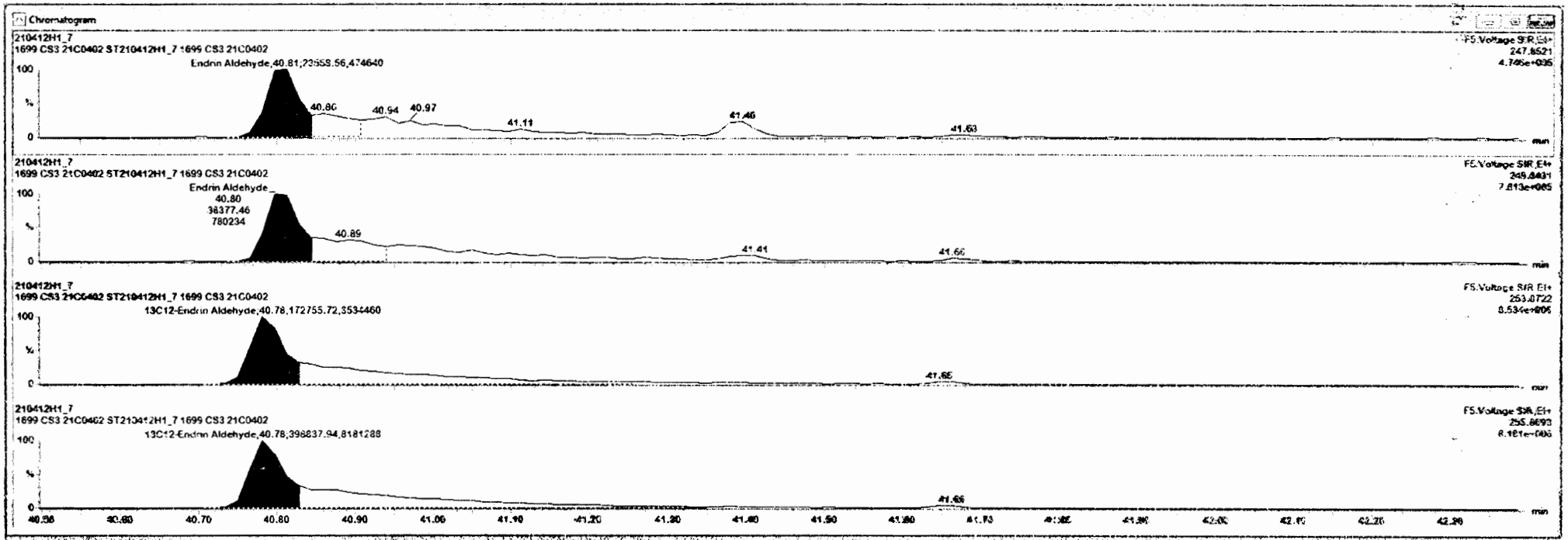
TargetLynx - 210412H1_CRV.old

File Edit View Display Processing Window Help

210412H1_7 - ST210412H1_7 1699 CS3 21C0402 - 1699 CS3 21C0402

	Ty..	Name	RT	Qu..	y/n	Area	IS Area	Std. Conc	%Dev	%RSD	PRF M	RF SD
31	31	Endrin Aldehyde	40.81	0.614	NO	6.1936e4	5.7159e5	50.000	5.5	10.7	1.03	0.116
32	32	Endrin Ketone	42.95	0.612	NO	5.4557e4	5.7102e5	50.000	2.5	4.55	0.926	0.0422
33	33	13C4-Hexachlorobutadiene	9.98	1.268	NO	6.0528e6	2.9503e6	500.000	22.1	29.1	0.160	0.0467
34	34	13C6-Hexachlorobenzene	22.69	1.287	NO	2.5570e6	2.9503e6	50.000	0.0	1.36	0.367	0.0119
35	35	13C6-Alpha-BHC	20.27	0.777	NO	7.8633e5	2.9503e6	50.000	1.1	2.83	0.258	0.00936
36	36	13C6-Lindane (gamma)	28.57	0.800	NO	5.8826e5	2.9503e6	50.000	-0.8	2.92	0.194	0.00759
37	37	13C6-Beta-BHC	29.56	0.763	NO	4.1756e5	2.9503e6	50.000	-1.9	5.67	0.144	0.00815
38	38	13C6-Delta BHC	30.25	0.765	NO	4.3248e5	2.9503e6	50.000	-2.4	7.61	0.168	0.0128
39	39	13C10-Heptachlor	28.71	1.250	NO	4.1650e5	2.9503e6	50.000	-4.8	6.62	0.148	0.0101
40	40	13C12-Endrin	30.80	1.518	NO	4.4586e5	2.9503e6	50.000	-1.9	2.96	0.164	0.00496
41	41	13C10-Oxychlordane	33.35	1.611	NO	1.0808e6	2.9503e6	50.000	-8.7	5.24	0.0404	0.00333
42	42	13C10-cis-Heptachlor Epo	34.14	1.566	NO	1.3687e6	2.9503e6	50.000	-5.9	5.66	0.0450	0.00328

Chromatogram



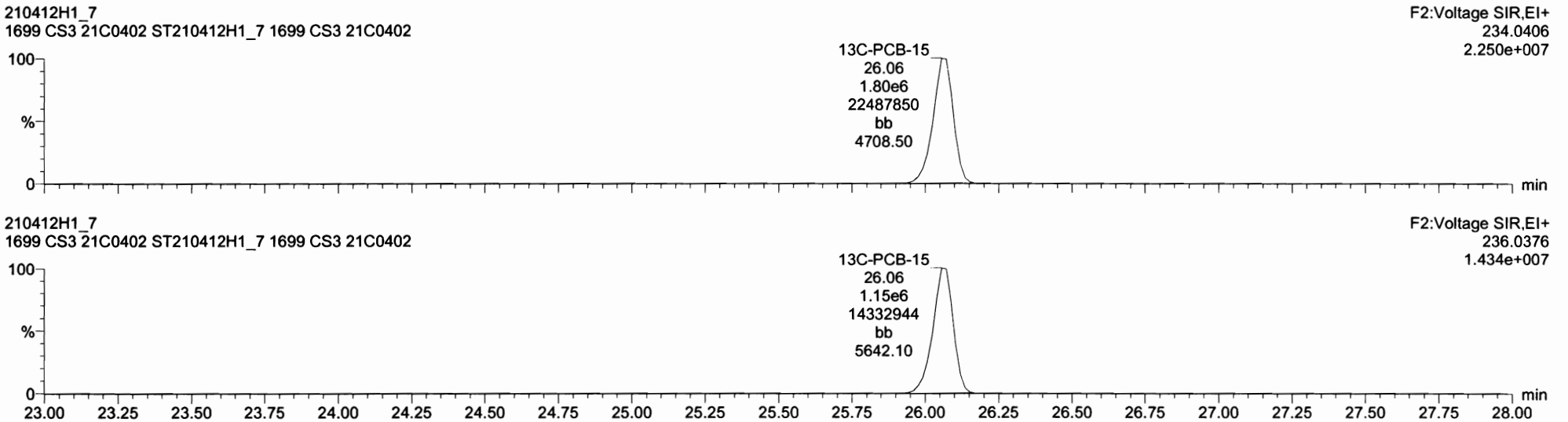
Ready

Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

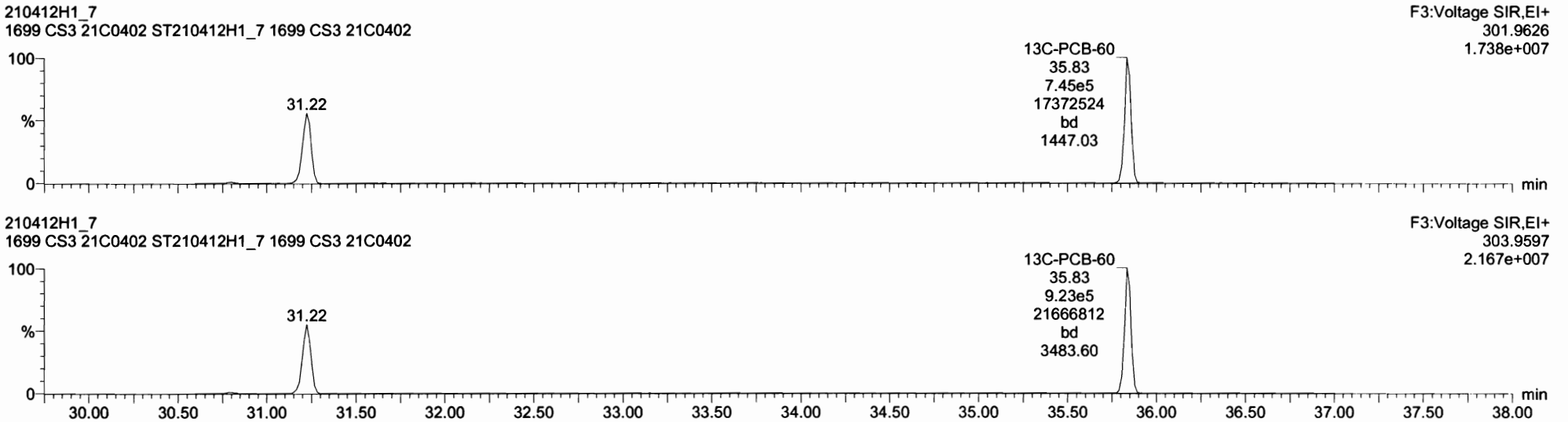
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_7, Date: 12-Apr-2021, Time: 19:51:12, ID: ST210412H1_7 1699 CS3 21C0402, Description: 1699 CS3 21C0402

13C-PCB-15



13C-PCB-60

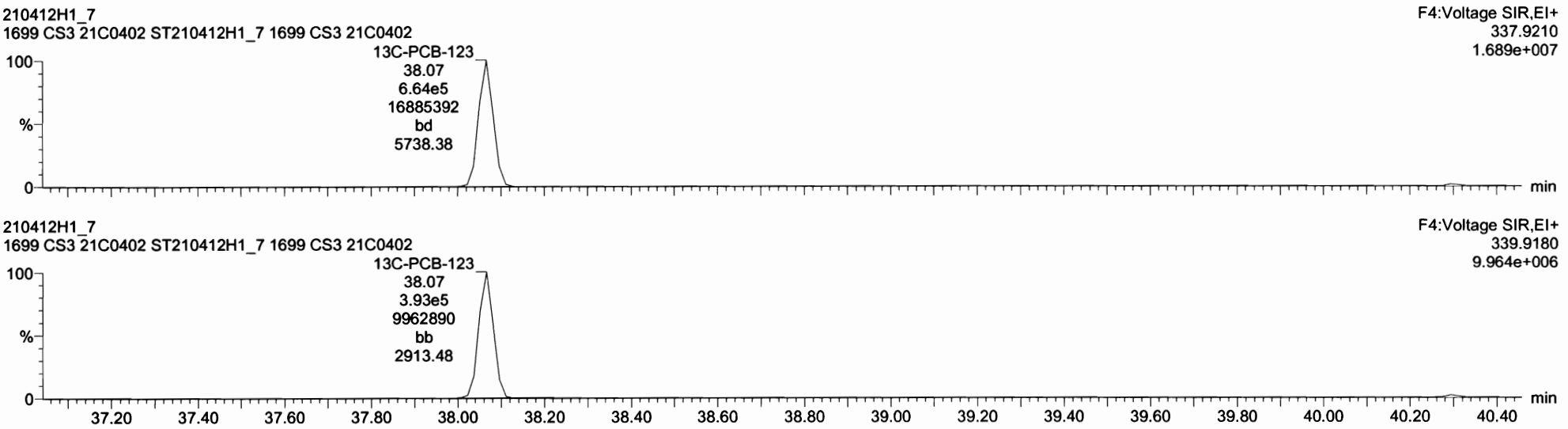


Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

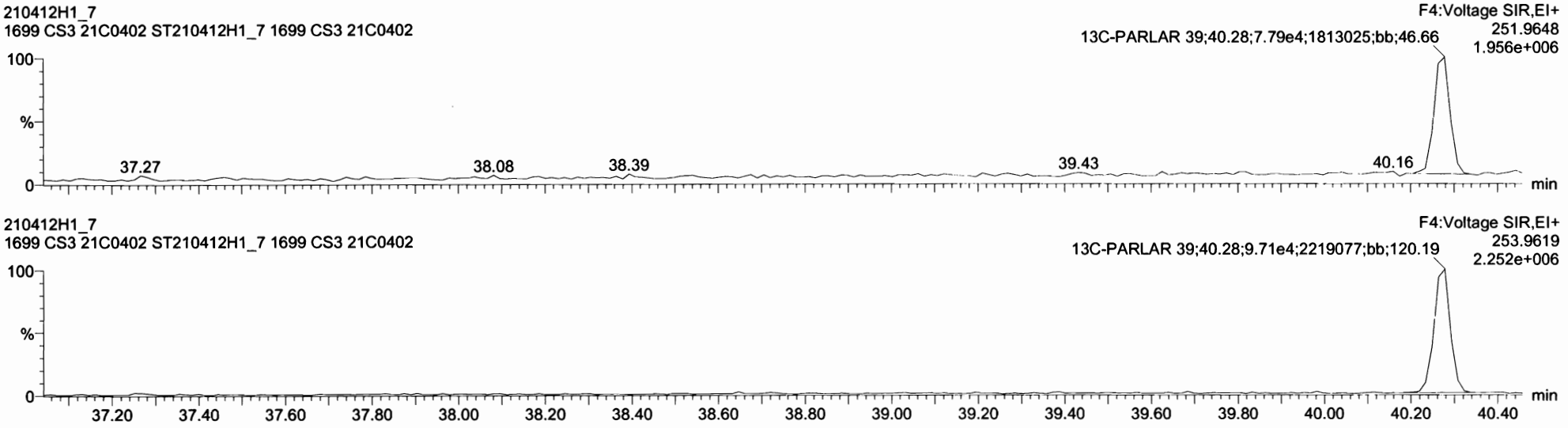
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_7, Date: 12-Apr-2021, Time: 19:51:12, ID: ST210412H1_7 1699 CS3 21C0402, Description: 1699 CS3 21C0402

13C-PCB-123



13C-PARLAR 39

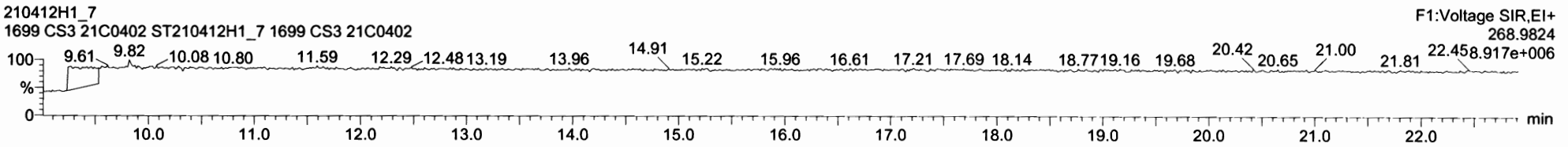


Dataset: U:\vg10.PRO\Results\210412H1\210412H1_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1_7, Date: 12-Apr-2021, Time: 19:51:12, ID: ST210412H1_7 1699 CS3 21C0402, Description: 1699 CS3 21C0402

PFK1



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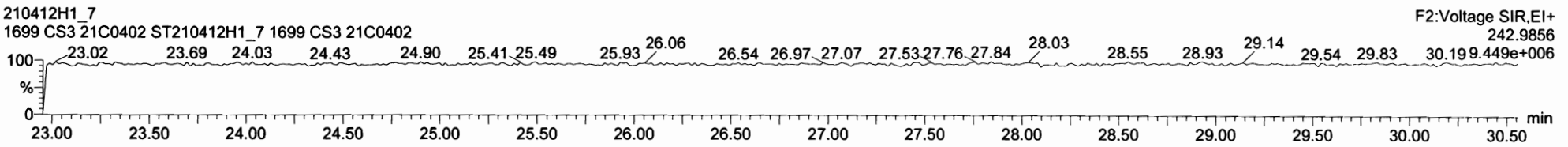

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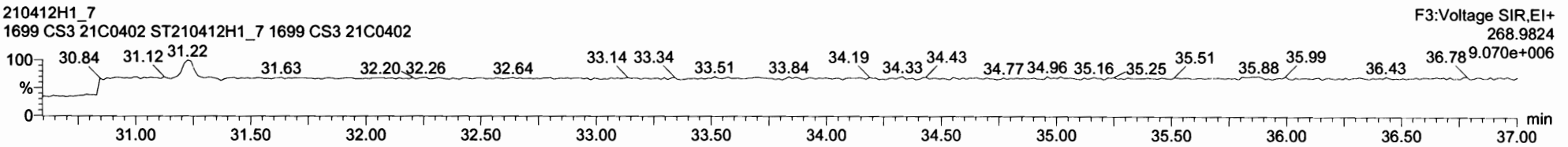

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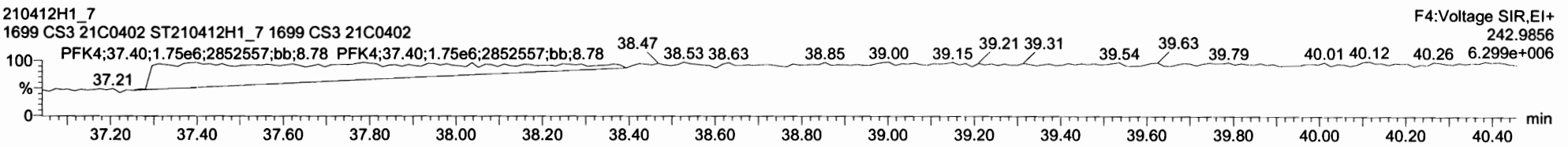

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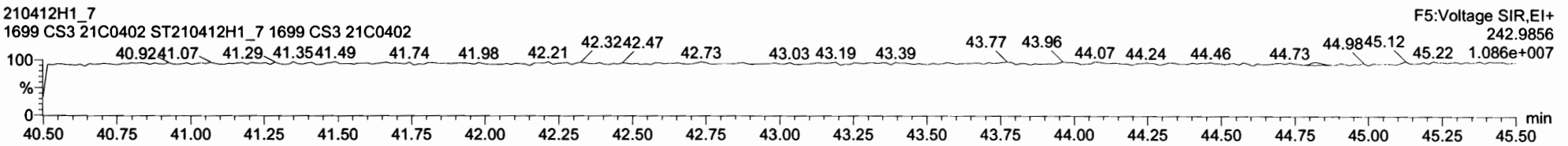
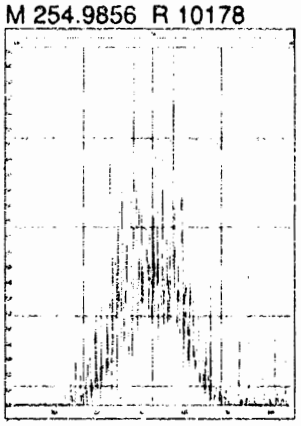


Printed: Tuesday, April 13, 2021 08:19:43 Pacific Daylight Time

M 254.9856 R 10178



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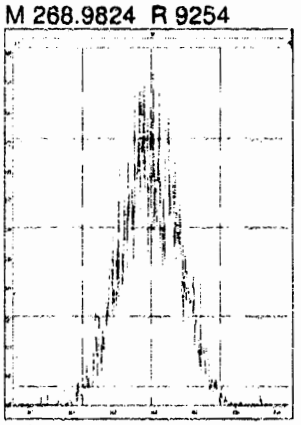

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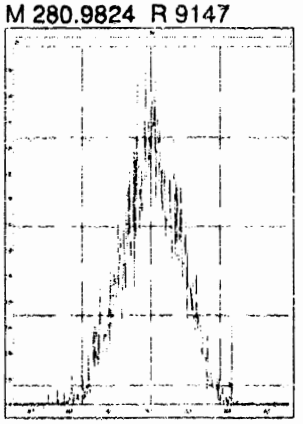

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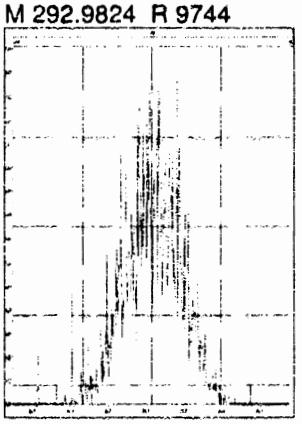
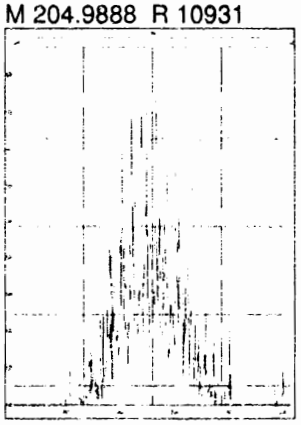
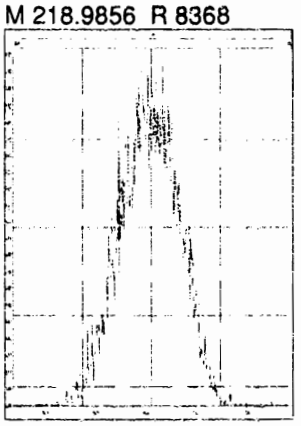


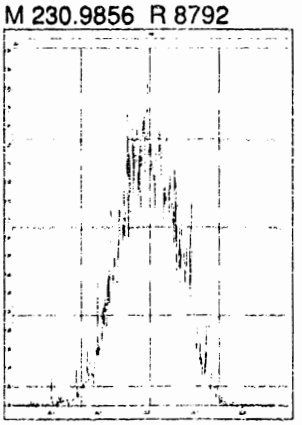
M 204.9888 R 10931



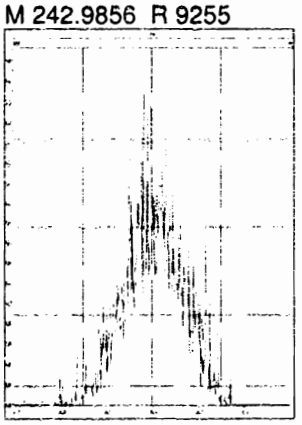
M 218.9856 R 8368



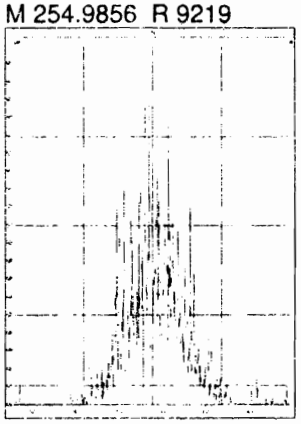
M 230.9856 R 8792



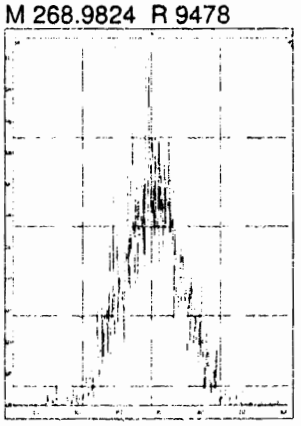
M 242.9856 R 9255



M 254.9856 R 9219



M 268.9824 R 9478



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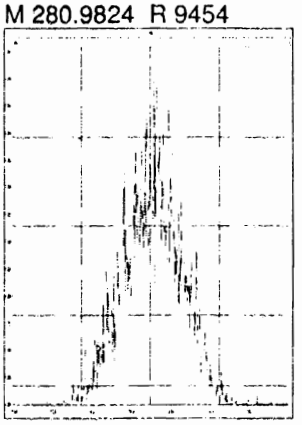

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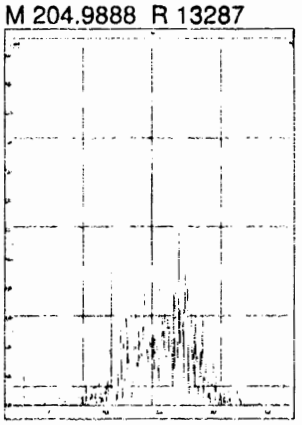
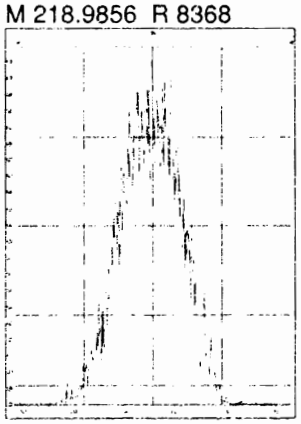
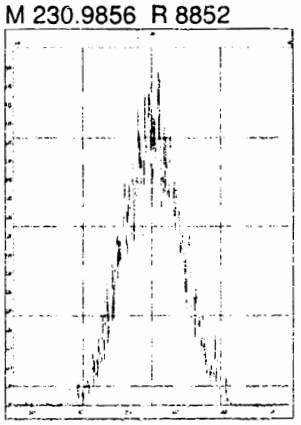


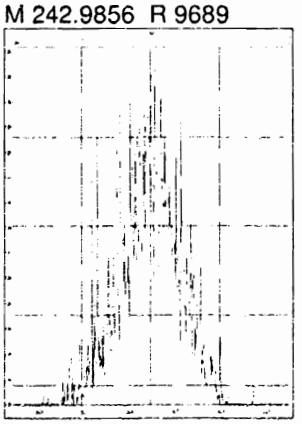
M 218.9856 R 8368



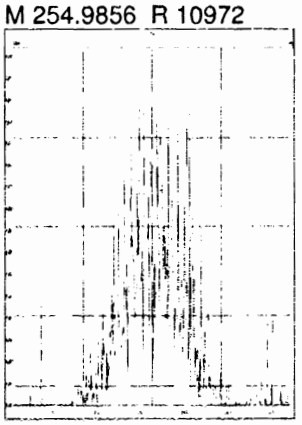
M 230.9856 R 8852



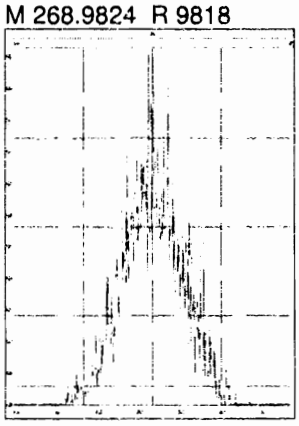
M 242.9856 R 9689



M 254.9856 R 10972



M 268.9824 R 9818



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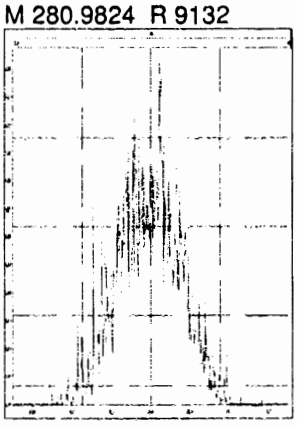
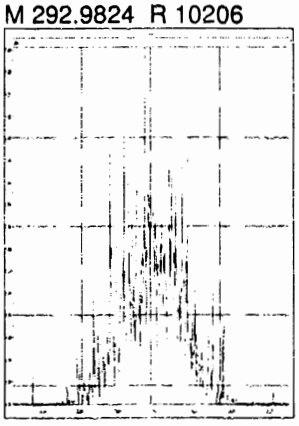
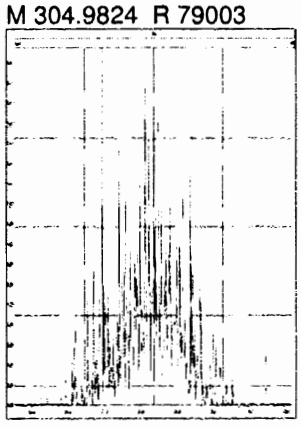


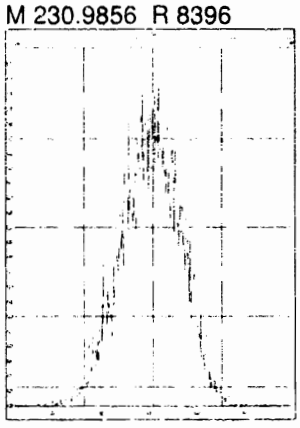
M 292.9824 R 10206



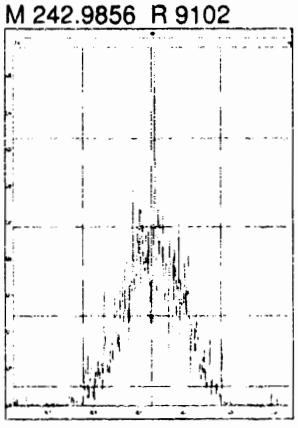
M 304.9824 R 79003



M 230.9856 R 8396



M 242.9856 R 9102



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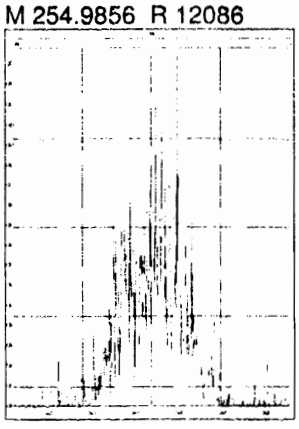

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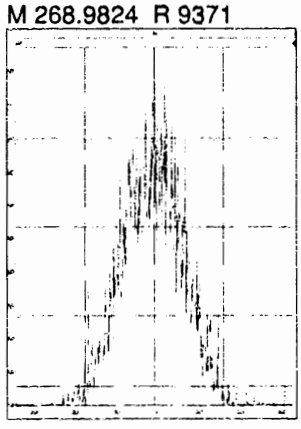
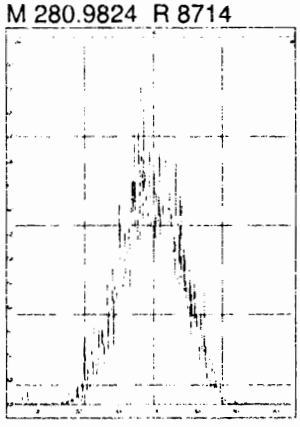


M 280.9824 R 8714



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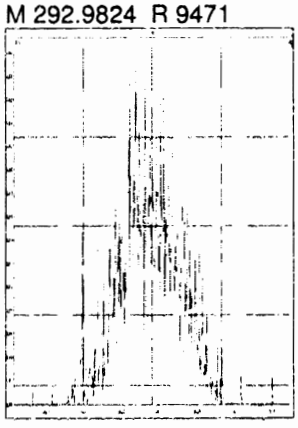

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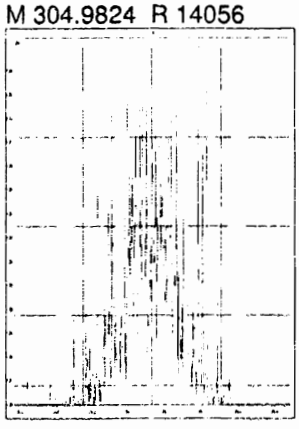
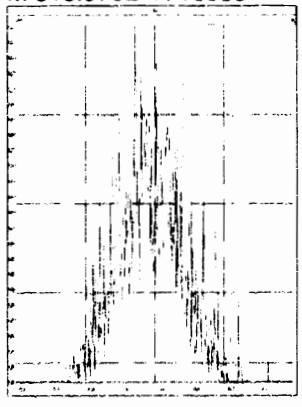


M 318.9792 R 10555



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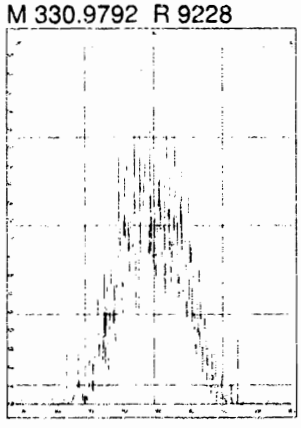
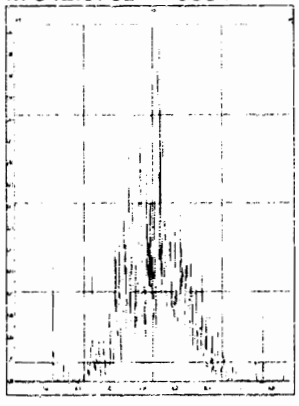
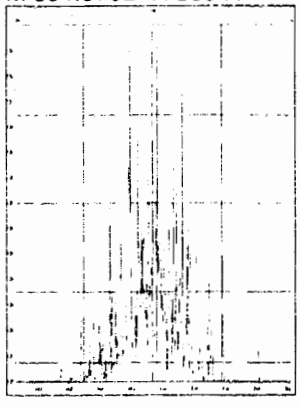


M 342.9792 R 9684



M 354.9792 R 36641



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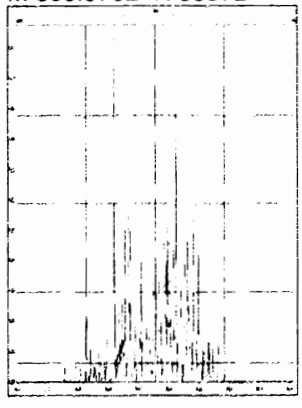

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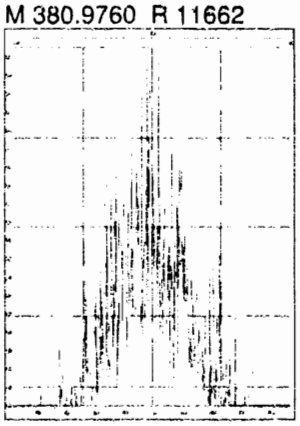

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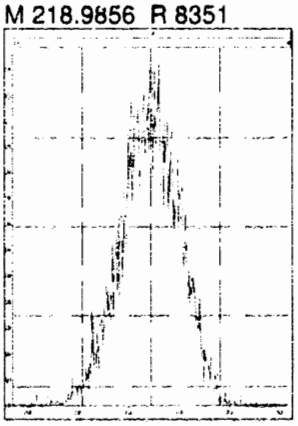
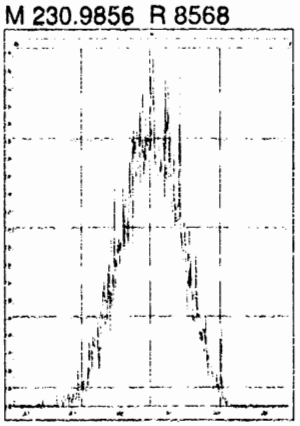
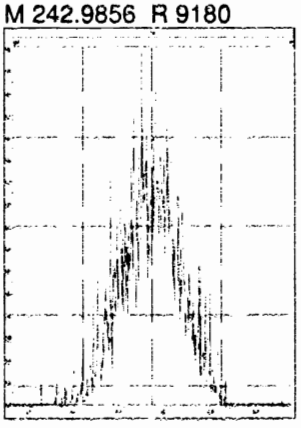


M 230.9856 R 8568



M 242.9856 R 9180



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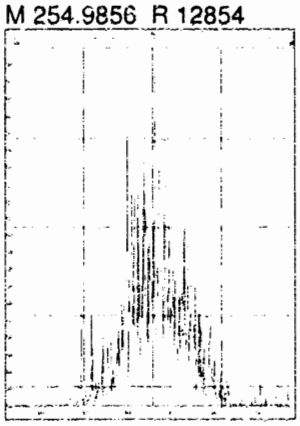

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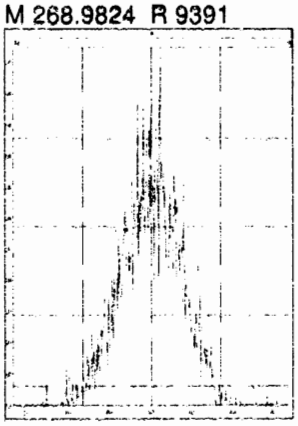
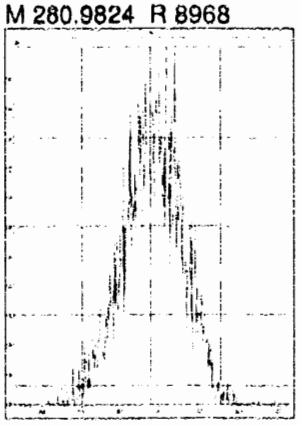


M 280.9824 R 8968



Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Tuesday, April 13, 2021 14:50:01 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 14:50:38 Pacific Daylight Time

DF 04/13/21
HN 04/13/21

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Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210412H1_8, Date: 12-Apr-2021, Time: 20:39:33, ID: SS210412H1_1 1699 SS 20B2107, Description: 1699 SS 20B2107, Task: ICAL210412H1

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	2	Hexachlorobenzene	6.74e6	3.39e6	1.27	NO	0.984	1.000	22.71	1.001	1.000	NO	101.19	101	0.00106	101
2	3	Alpha-BHC	1.70e6	1.01e6	2.10	NO	0.827	1.000	23.26	1.001	1.001	NO	101.38	101	0.0547	101
3	4	Lindane (gamma-...	1.27e6	7.46e5	2.11	NO	0.860	1.000	26.60	1.001	1.000	NO	99.155	99.2	0.0797	99.2
4	5	Beta-BHC	1.06e6	5.39e5	2.10	NO	0.998	1.000	28.61	1.001	1.001	NO	98.795	98.8	0.0839	98.8
5	6	Delta-BHC	1.17e6	6.19e5	2.13	NO	0.907	1.000	30.27	1.001	1.001	NO	103.93	104	0.0759	104
6	7	Heptachlor	1.14e6	5.22e5	1.28	NO	1.10	1.000	28.74	1.001	1.001	NO	99.114	99.1	0.0277	99.1
7	9	Aldrin	1.22e6	5.59e5	1.56	NO	1.09	1.000	30.83	1.001	1.001	NO	100.38	100	0.0207	100
8	10	Oxychlordane	3.23e5	1.48e5	1.58	NO	1.06	1.000	33.38	1.001	1.001	NO	102.80	103	0.0639	103
9	11	cis-Heptachlor Ep...	4.00e5	1.79e5	1.58	NO	1.08	1.000	34.17	1.001	1.001	NO	104.07	104	0.0502	104
10	12	trans-Heptachlor E...	1.11e5	1.79e5	1.57	NO	0.291	1.000	34.65	1.015	1.016	NO	106.36	106	0.186	106
11	13	trans-Chlordane (g...	3.00e5	1.29e5	1.60	NO	1.14	1.000	35.06	1.001	1.001	NO	102.32	102	0.0707	102
12	14	trans-Nonachlor	3.18e5	1.43e5	1.60	NO	1.06	1.000	35.25	1.001	1.000	NO	105.14	105	0.0650	105
13	15	cis-Chlordane	3.45e5	1.43e5	1.56	NO	1.16	1.000	35.73	1.014	1.016	NO	103.74	104	0.0591	104
14	16	Endosulfan I (alpha)	2.42e5	1.04e5	1.55	NO	1.23	1.000	35.83	1.000	1.001	NO	94.683	94.7	0.0771	94.7
15	18	2,4'-DDE	6.74e6	3.37e6	1.51	NO	1.02	1.000	35.70	1.000	1.000	NO	97.643	97.6	0.0278	97.6
16	19	4,4'-DDE	4.55e6	2.25e6	1.53	NO	1.04	1.000	36.77	1.000	1.000	NO	97.333	97.3	0.0394	97.3
17	20	Dieldrin	6.91e5	3.25e5	1.60	NO	1.03	1.000	37.28	1.000	1.001	NO	103.20	103	0.0700	103
18	21	Endrin	4.63e5	2.29e5	1.60	NO	1.01	1.000	38.68	1.000	1.001	NO	100.32	100	0.0913	100
19	22	cis-Nonachlor	3.45e5	1.67e5	1.61	NO	1.00	1.000	38.96	1.000	1.000	NO	102.92	103	0.129	103
20	23	Endosulfan II (beta)	1.21e5	6.13e4	1.69	NO	1.07	1.000	39.68	1.000	1.000	NO	92.072	92.1	0.310	92.1
21	24	2,4'-DDD	6.54e6	3.04e6	1.58	NO	1.07	1.000	37.90	1.000	1.000	NO	100.93	101	0.0487	101
22	25	2,4'-DDT	4.43e6	1.94e6	1.57	NO	1.05	1.000	39.02	1.000	1.000	NO	108.87	109	0.0736	109
23	26	4,4'-DDD	5.72e6	2.47e6	1.59	NO	1.16	1.000	39.15	1.000	1.000	NO	99.641	99.6	0.0509	99.6
24	27	4,4'-DDT	3.57e6	1.58e6	1.57	NO	1.13	1.000	40.20	1.000	1.001	NO	99.710	99.7	0.0850	99.7
25	28	Endosulfan Sulfate	1.55e5	7.29e4	1.55	NO	1.04	1.000	41.40	1.000	1.000	NO	102.60	103	0.316	103
26	29	4,4'-Methoxychlor	3.36e6	1.39e7	5.91	NO	1.22	1.000	43.25	1.000	1.000	NO	99.093	99.1	0.0311	99.1
27	30	Mirex	1.28e6	6.10e5	1.58	NO	1.03	1.000	43.87	1.000	1.001	NO	101.54	102	0.104	102
28	31	Endrin Aldehyde	1.69e5	7.42e5	0.59	NO	1.03	1.000	40.81	1.001	1.000	NO	110.63	111	0.483	111
29	32	Endrin Ketone	1.82e5	8.18e5	0.61	NO	0.926	1.000	43.99	1.000	1.000	NO	120.19	120	0.460	120
30	34	13C6-Hexachlorob...	3.39e6	4.18e6	1.29	NO	0.867	1.000	22.69	0.870	0.871	NO	46.703	93.4	0.00148	
31	35	13C6-Alpha-BHC	1.01e6	4.18e6	0.79	NO	0.258	1.000	23.23	0.891	0.891	NO	46.877	93.8	0.0651	

75-125%
50-150%

Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Tuesday, April 13, 2021 14:50:01 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 14:50:38 Pacific Daylight Time

Name: 210412H1_8, Date: 12-Apr-2021, Time: 20:39:33, ID: SS210412H1_1 1699 SS 20B2107, Description: 1699 SS 20B2107, Task: ICAL210412H1

	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
32	36 13C6-Lindane (ga...	7.46e5	4.18e6	0.79	NO	0.194	1.000	26.57	1.019	1.019	NO	46.014	92.0	0.0868	
33	37 13C6-Beta-BHC	5.39e5	4.18e6	0.80	NO	0.144	1.000	28.60	1.097	1.097	NO	44.806	89.6	0.117	
34	38 13C6-Delta-BHC	6.19e5	4.18e6	0.81	NO	0.168	1.000	30.25	1.160	1.160	NO	44.045	88.1	0.100	
35	39 13C10-Heptachlor	5.22e5	4.18e6	1.29	NO	0.148	1.000	28.71	1.101	1.102	NO	42.029	84.1	0.0341	
36	40 13C12-Aldrin	5.59e5	4.18e6	1.57	NO	0.154	1.000	30.80	1.181	1.181	NO	43.357	86.7	0.0555	
37	41 13C10-Oxychlorda...	1.48e5	4.18e6	1.57	NO	0.0404	1.000	33.35	1.279	1.280	NO	43.822	87.6	0.212	
38	42 13C10-cis-Heptac...	1.79e5	4.18e6	1.59	NO	0.0493	1.000	34.14	1.310	1.310	NO	43.322	86.6	0.174	
39	43 13C10-trans-Chlor...	1.29e5	4.18e6	1.61	NO	0.0358	1.000	35.03	1.344	1.344	NO	43.076	86.2	0.239	
40	44 13C10-trans-Nona...	1.43e5	2.51e6	1.58	NO	0.0638	1.000	35.22	0.983	0.983	NO	44.642	89.3	0.129	
41	45 13C9-Endosulfan I...	1.04e5	2.51e6	1.60	NO	0.0431	1.000	35.82	1.000	1.000	NO	48.150	96.3	0.191	
42	46 13C12-2,4'-DDE	3.37e6	2.51e6	1.57	NO	1.43	1.000	35.69	0.996	0.995	NO	46.821	93.6	0.0344	
43	47 13C12-4,4'-DDE	2.25e6	2.51e6	1.58	NO	0.995	1.000	36.75	1.026	1.026	NO	45.183	90.4	0.0496	
44	48 13C12-Dieldrin	3.25e5	2.51e6	1.59	NO	0.146	1.000	37.27	1.040	1.040	NO	44.319	88.6	0.0644	
45	49 13C12-Endrin	2.29e5	2.51e6	1.63	NO	0.111	1.000	38.66	1.079	1.079	NO	41.238	82.5	0.0851	
46	50 13C10-cis-Nonach...	1.67e5	2.51e6	1.69	NO	0.0791	1.000	38.94	1.087	1.087	NO	42.214	84.4	0.119	
47	51 13C9-Endosulfan II	6.13e4	2.51e6	1.68	NO	0.0267	1.000	39.67	1.107	1.107	NO	45.777	91.6	0.352	
48	52 13C12-2,4'-DDD	3.04e6	2.51e6	1.56	NO	1.35	1.000	37.89	1.057	1.057	NO	44.814	89.6	0.0254	
49	53 13C12-2,4'-DDT	1.94e6	2.51e6	1.60	NO	0.962	1.000	39.00	1.088	1.089	NO	40.299	80.6	0.0357	
50	54 13C12-4,4'-DDD	2.47e6	2.51e6	1.59	NO	1.12	1.000	39.14	1.092	1.092	NO	43.773	87.5	0.0305	
51	55 13C12-4,4'-DDT	1.58e6	2.51e6	1.58	NO	0.735	1.000	40.19	1.122	1.122	NO	42.843	85.7	0.0467	
52	56 13C9-Endosulfan ...	7.29e4	2.51e6	1.51	NO	0.0346	1.000	41.38	1.155	1.156	NO	42.040	84.1	0.365	
53	57 13C12-Methoxychlor	1.39e7	2.51e6	20.10	NO	0.720	1.000	43.24	1.207	1.207	NO	385.22	77.0	0.0526	
54	58 13C10-Mirex	6.10e5	2.51e6	1.59	NO	0.328	1.000	43.85	1.224	1.228	NO	37.106	74.2	0.0439	
55	59 13C12-Endrin Alde...	7.42e5	2.51e6	0.44	NO	0.0336	1.000	40.78	1.138	1.139	NO	440.61	88.1	0.471	
56	60 13C12-Endrin Ket...	8.18e5	2.51e6	0.46	NO	0.0398	1.000	43.98	1.227	1.227	NO	409.69	81.9	0.397	
57	62 13C-PCB-15	4.18e6	4.18e6	1.56	NO	1.00	1.000	26.07	1.000	1.000	NO	50.000	100	0.00825	

50 150

Vista Analytical Laboratory

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Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210412H1_8, Date: 12-Apr-2021, Time: 20:39:33, ID: SS210412H1_1 1699 SS 20B2107, Description: 1699 SS 20B2107, Task: ICAL210412H1

	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	63 13C-PCB-60	2.51e6	2.51e6	0.82	NO	1.00	1.000	35.83	1.000	1.000	NO	50.000	100	0.0205	

Vista Analytical Laboratory

Dataset: Untitled

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Printed: Tuesday, April 13, 2021 12:11:04 Pacific Daylight Time

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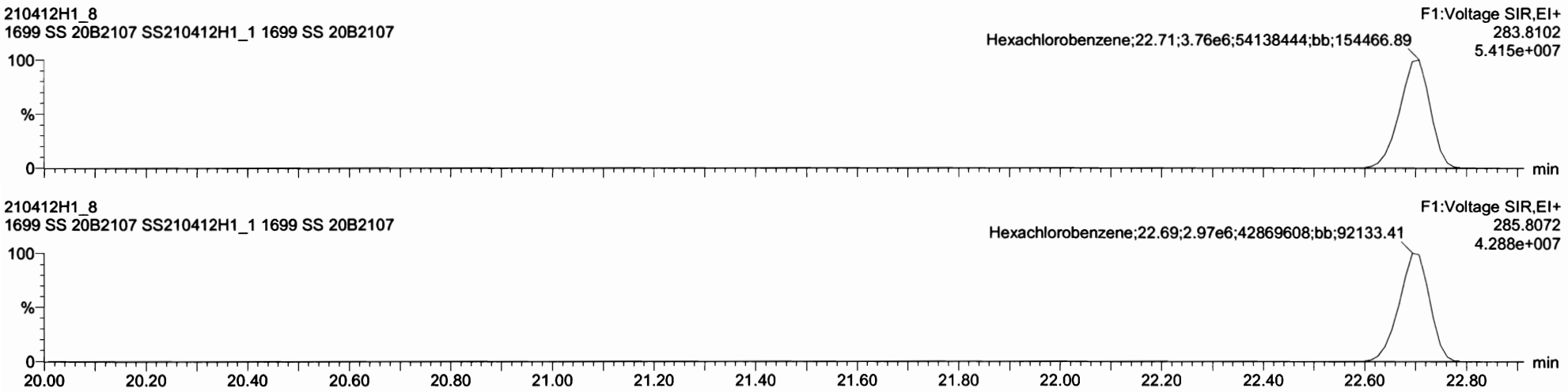
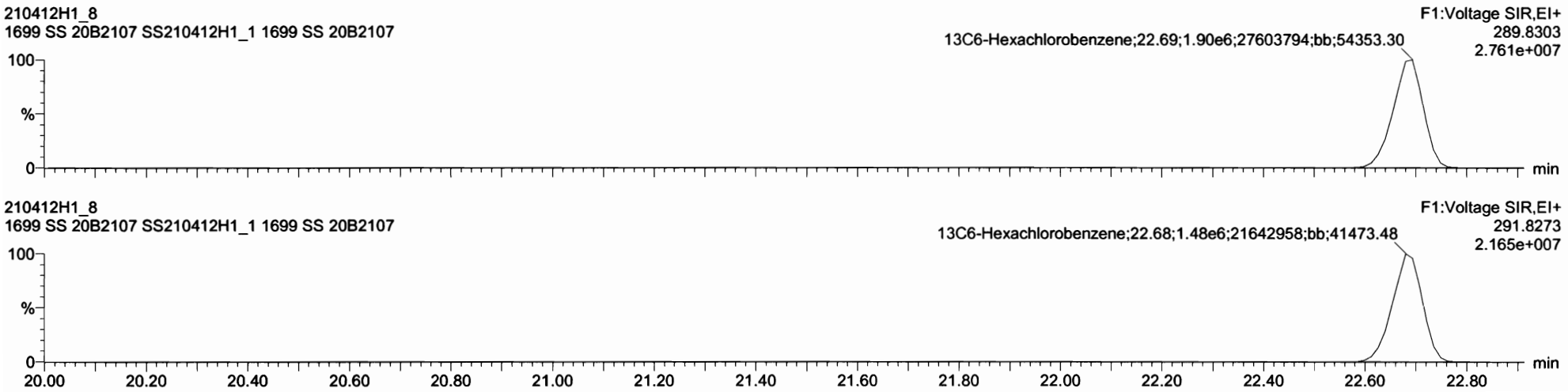
Name: 210412H1_8, Date: 12-Apr-2021, Time: 20:39:33, ID: SS210412H1_1 1699 SS 20B2107, Description: 1699 SS 20B2107

Hexachlorobenzene



13C6-Hexachlorobenzene



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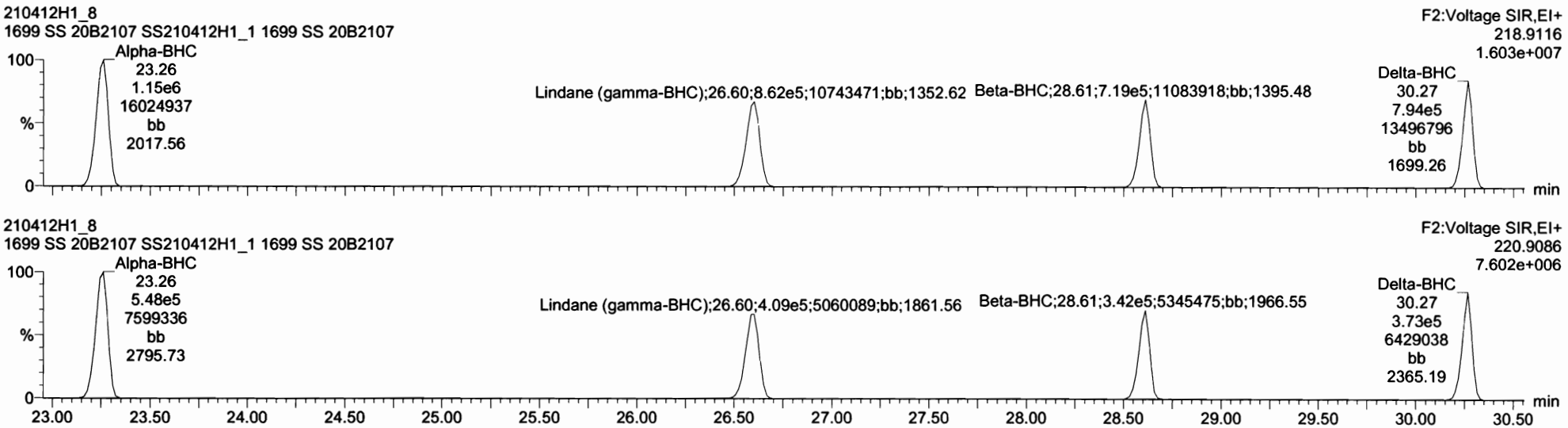
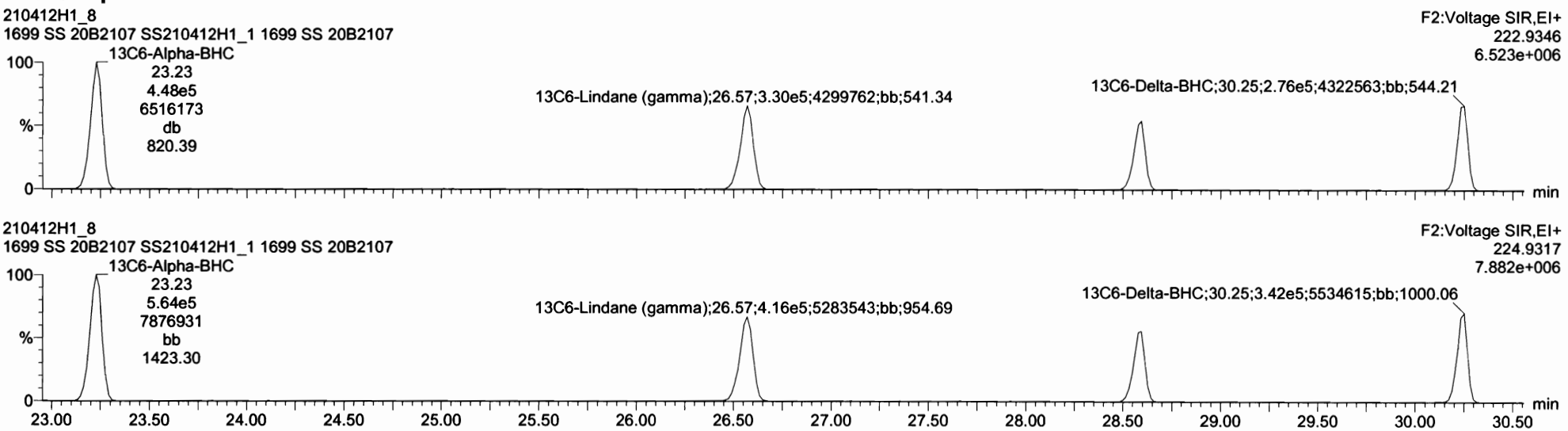
BHC Totals



BHC-isotopes



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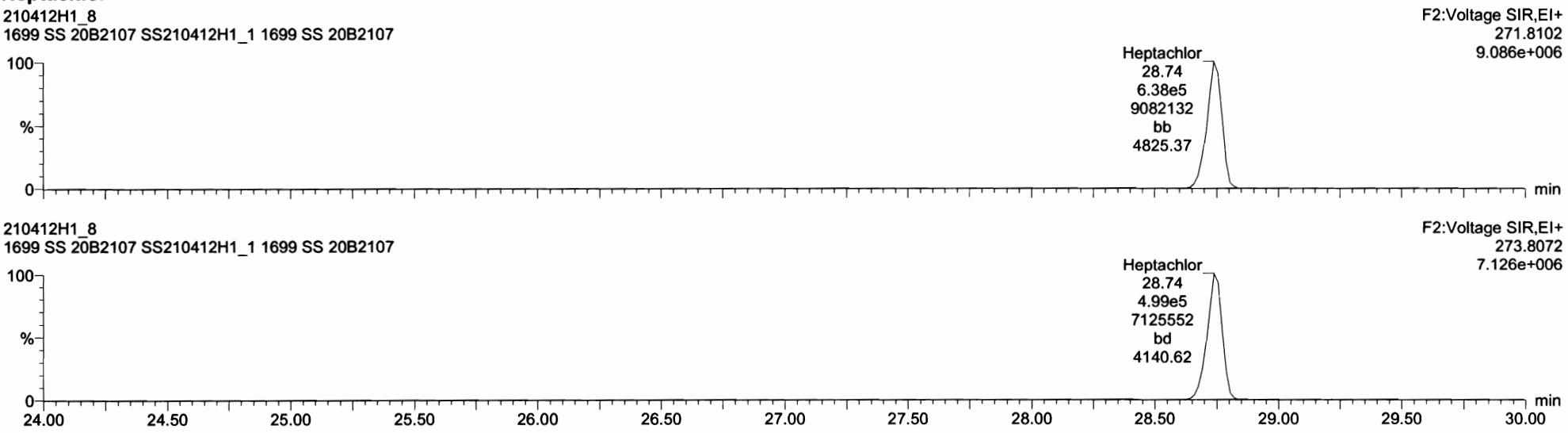
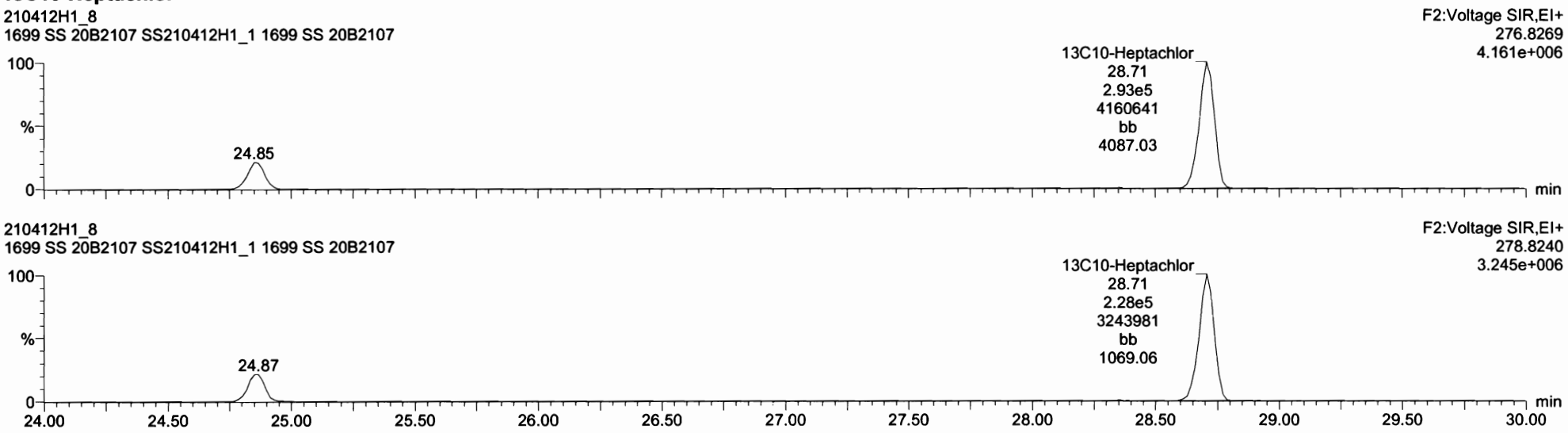
Name: 210412H1_8, Date: 12-Apr-2021, Time: 20:39:33, ID: SS210412H1_1 1699 SS 20B2107, Description: 1699 SS 20B2107

Heptachlor



13C10-Heptachlor



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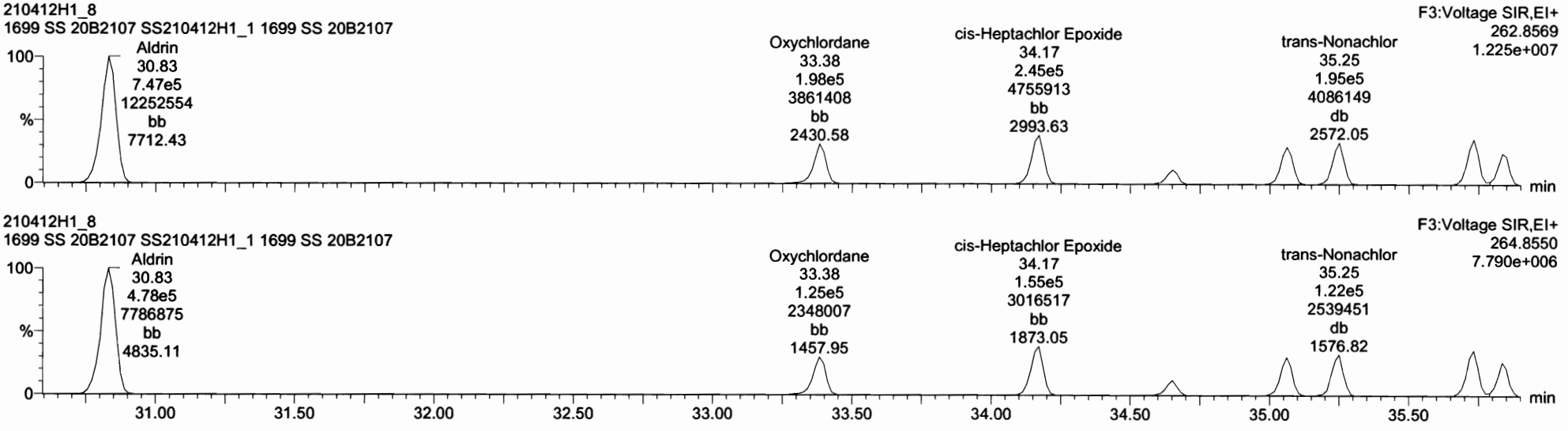
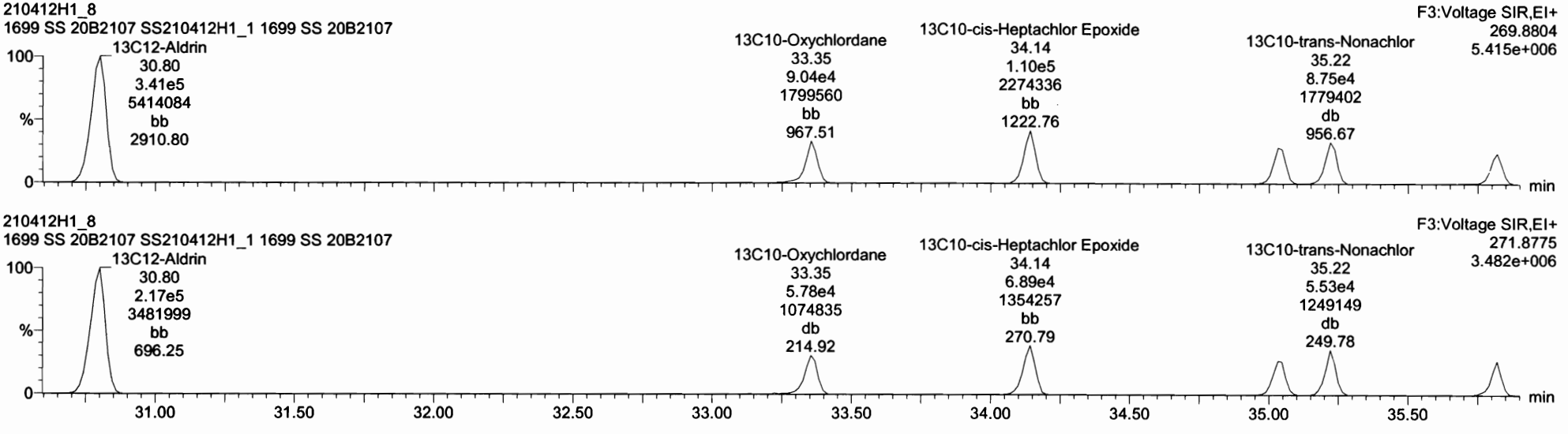
Name: 210412H1_8, Date: 12-Apr-2021, Time: 20:39:33, ID: SS210412H1_1 1699 SS 20B2107, Description: 1699 SS 20B2107

Aldrin-EI



Aldrin-EI-isotopes

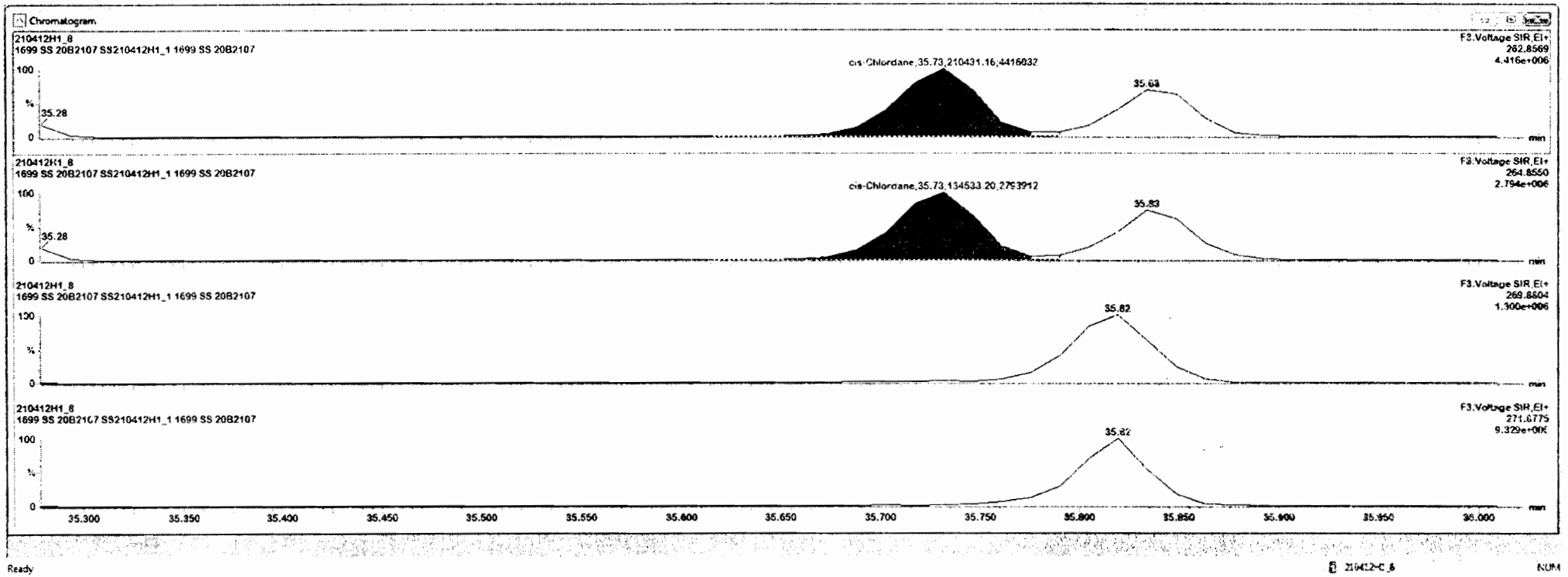


TargetLynx - 210412H1_8.qld

File Edit View Display Processing Window Help

210412H1_8 - SS210412H1_1 1699 SS 20B2107 - 1699 SS 20B2107

	#	Name	Resp	IS AREA	RA	n/y	RRF	vol/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
14	14	trans-Nonachlor	3.18e5	1.43e5	1.40	NO	1.06	1.0000	35.25	35.22	1.001	1.000	NO	105.1	105	0.0650	105
15	15	cis-Chlordane	3.45e5	1.43e5	1.56	NO	1.16	1.0000	35.72	35.77	1.014	1.016	NO	103.7	104	0.0591	104
16	16	Endosulfan I (alpha)	2.38e5	1.04e5	1.54	NO	1.23	1.0000	35.82	35.85	1.000	1.001	NO	92.21	92.2	0.0771	92.2
17	17	4,4'-DDMU	6.16e3	3.07e6	4.55	YES		1.0000	35.47	35.47	0.994	0.994	NO	0.2233	0.223	0.0238	0.186
18	18	2,4'-DDE	6.74e3	3.07e6	1.91	NO	1.02	1.0000	35.70	35.69	1.000	1.000	NO	97.64	97.6	0.0278	97.6
19	19	4,4'-DDE	4.55e3	2.25e6	1.53	NO	1.04	1.0000	36.77	36.75	1.030	1.030	NO	97.23	97.3	0.0354	97.3
20	20	Dieldrin	6.91e5	3.25e5	1.80	NO	1.02	1.0000	37.28	37.30	1.000	1.001	NO	103.2	103	0.0700	101
21	21	Endrin	4.62e5	2.25e5	1.60	NO	1.01	1.0000	38.68	38.70	1.000	1.001	NO	100.3	100	0.0613	100
22	22	cis-Nonachlor	3.45e5	1.67e5	1.61	NO	1.00	1.0000	36.96	36.94	1.000	1.000	NO	102.9	103	0.129	103
23	23	Endosulfan II (beta)	1.21e5	6.12e4	1.69	NO	1.07	1.0000	39.68	39.67	1.000	1.000	NO	90.07	92.1	0.210	92.1
24	24	2,4'-DDD	6.54e3	3.04e6	1.58	NO	1.07	1.0000	37.90	37.89	1.000	1.000	NO	100.9	101	0.0487	101
25	25	2,4'-DDT	4.43e6	1.94e6	1.57	NO	1.05	1.0000	39.02	39.00	1.000	1.000	NO	108.9	109	0.0796	109



Ready

210412-C_8

NUM

TargetLynx - 210412H1_8.qld

File Edit View Display Processing Window Help

210412H1_8 - SS210412H1_1 1699 SS 20B2107 - 1699 SS 20B2107

	#	Name	Resp	IS AREA	RA	rdy	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
14	14	trans-Nonachlor	2.15e5	1.42e5	1.52	NO	1.06	1.0000	35.25	35.22	1.001	1.000	NO	105.1	105	0.0650	105
15	15	cis-Chlordane	2.45e5	1.43e5	1.58	NO	1.16	1.0000	35.73	35.77	1.014	1.016	NO	103.3	104	0.0891	104
16	16	Endosulfan I (alpha)	2.41e5	1.04e5	1.56	NO	1.23	1.0000	35.82	35.85	1.000	1.001	NO	94.46	94.5	0.0771	94.5
17	17	4,4-DDMU	6.16e3	2.37e3	4.55	YES		1.0000	35.47	35.47	0.994	0.994	NO	0.2237	0.223	0.0238	0.186
18	18	2,4-DDE	6.74e6	3.37e6	1.51	NO	1.02	1.0000	35.70	35.69	1.000	1.000	NO	97.64	97.6	0.0278	97.6
19	19	4,4-DDE	4.55e6	2.25e6	1.53	NO	1.04	1.0000	36.77	36.75	1.008	1.030	NO	97.33	97.3	0.0294	97.3
20	20	Dieldrin	6.91e5	2.25e5	1.60	NO	1.03	1.0000	37.28	37.30	1.000	1.001	NO	103.2	103	0.0700	103
21	21	Endrin	4.63e5	2.25e5	1.60	NO	1.01	1.0000	38.85	38.79	1.000	1.001	NO	100.3	100	0.0612	100
22	22	cis-Nonachlor	3.45e5	1.67e5	1.61	NO	1.00	1.0000	38.90	38.94	1.000	1.000	NO	102.9	103	0.129	103
23	23	Endosulfan II (beta)	1.21e5	8.13e4	1.68	NO	1.07	1.0000	39.68	39.67	1.000	1.000	NO	90.07	92.1	0.210	92.1
24	24	2,4-DDD	6.54e6	3.04e6	1.56	NO	1.07	1.0000	37.90	37.89	1.000	1.000	NO	100.9	101	0.0437	101
25	25	2,4-DDT	4.43e6	1.94e6	1.57	NO	1.05	1.0000	39.02	39.00	1.000	1.000	NO	108.9	109	0.0736	109

Chromatogram

210412H1_8
1699 SS 20B2107 SS210412H1_1 1699 SS 20B2107
F3:Voltage SIR,EI+
262.8569
2.666e+006
35.25
35.09

210412H1_8
1699 SS 20B2107 SS210412H1_1 1699 SS 20B2107
F3:Voltage SIR,EI+
264.8550
1.750e+006
35.25
35.09

210412H1_8
1699 SS 20B2107 SS210412H1_1 1699 SS 20B2107
F2:Voltage SIR,EI+
269.8804
35.22
13C9-Endosulfan I (alpha)
35.82
64025.04
1299223

210412H1_8
1699 SS 20B2107 SS210412H1_1 1699 SS 20B2107
F3:Voltage SIR,EI+
271.8775
1.255e+006
35.22
13C9-Endosulfan I (alpha)
35.82
39955.73
932131

35.10 35.15 35.20 35.25 35.30 35.35 35.40 35.45 35.50 35.55 35.60 35.65 35.70 35.75 35.80 35.85 35.90 35.95 36.00 36.05 36.10 36.15 36.20 36.25

Ready

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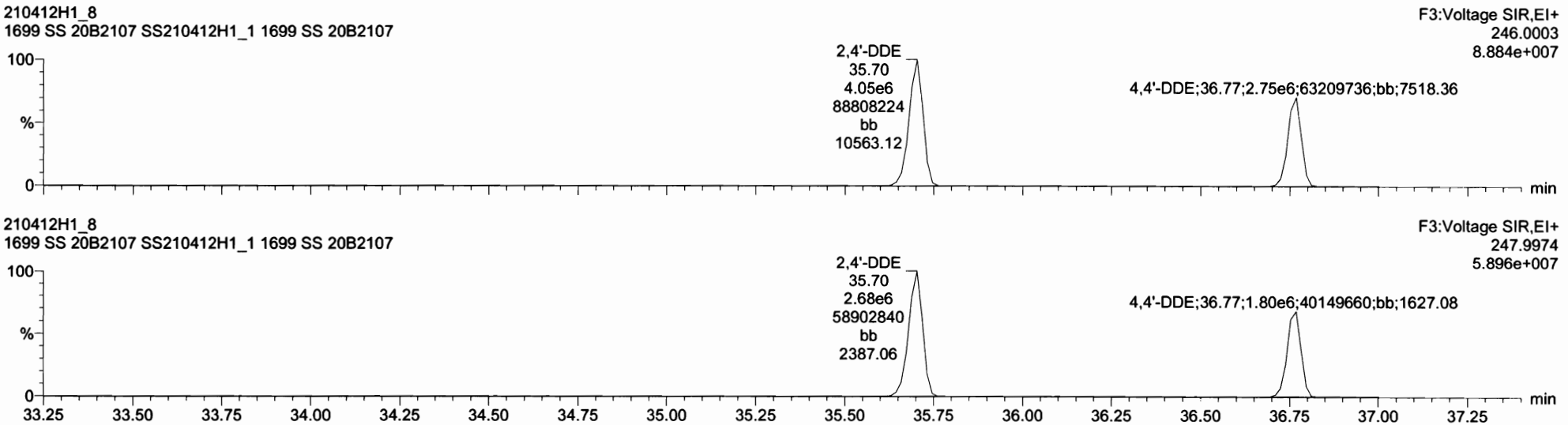
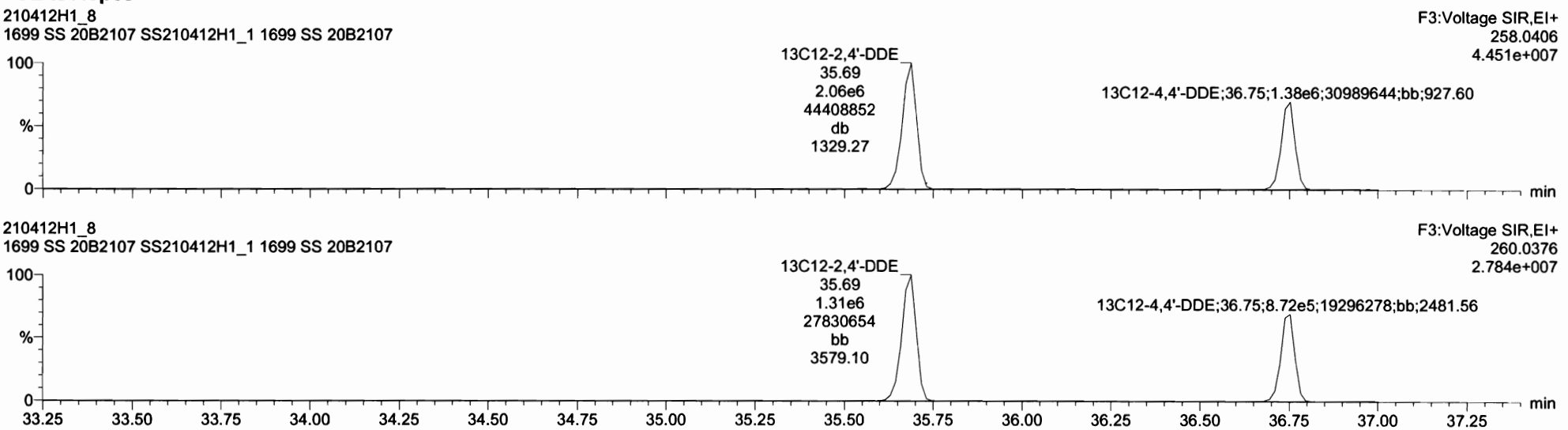
Printed: Tuesday, April 13, 2021 12:11:04 Pacific Daylight Time

Name: 210412H1_8, Date: 12-Apr-2021, Time: 20:39:33, ID: SS210412H1_1 1699 SS 20B2107, Description: 1699 SS 20B2107

DDMU-DDE



DDE-isotopes



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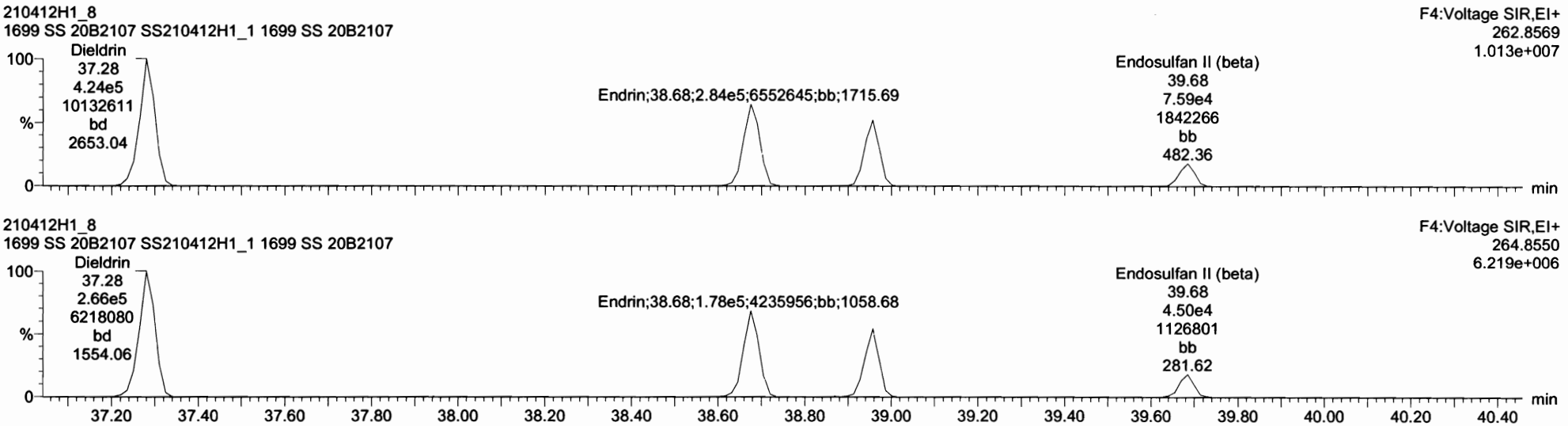
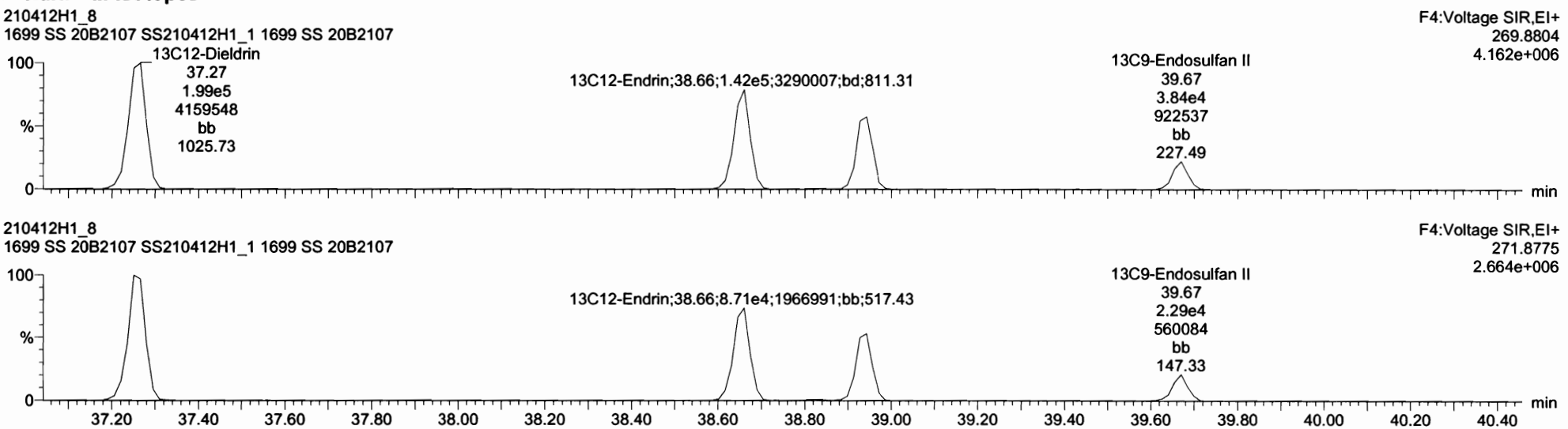
Name: 210412H1_8, Date: 12-Apr-2021, Time: 20:39:33, ID: SS210412H1_1 1699 SS 20B2107, Description: 1699 SS 20B2107

Dieldrin-EII



Dieldrin-EII-isotopes



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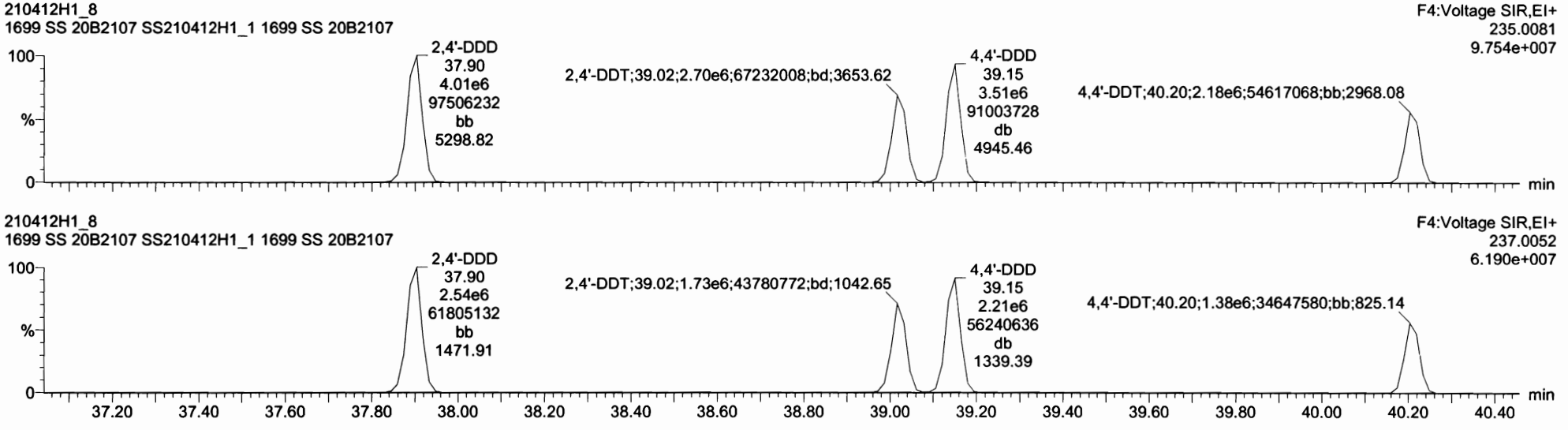
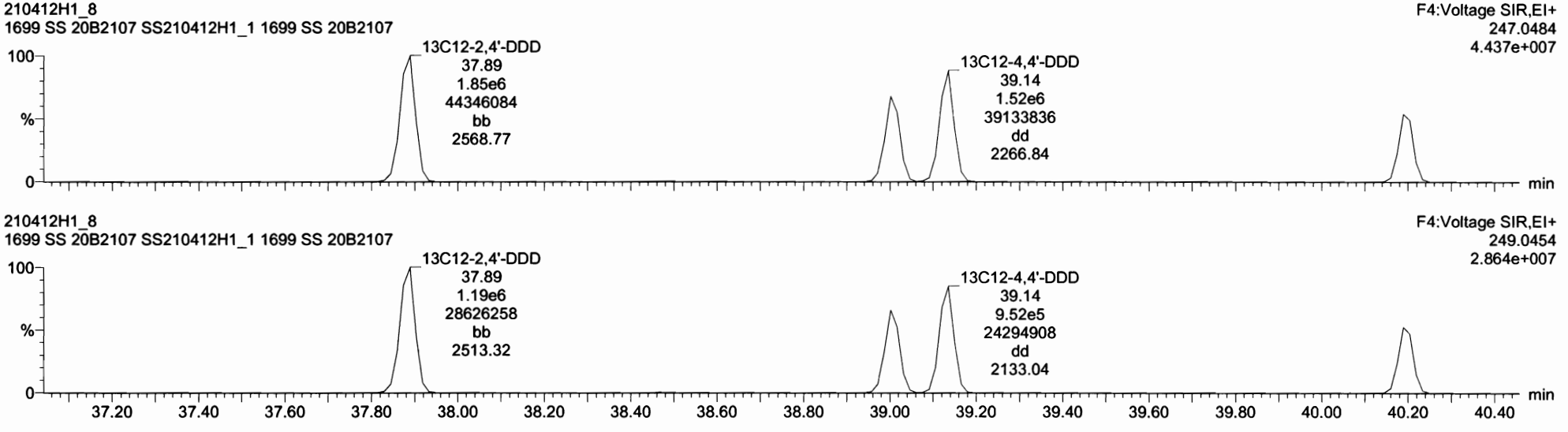
DDD-DDT



DDD-DDT-isotopes



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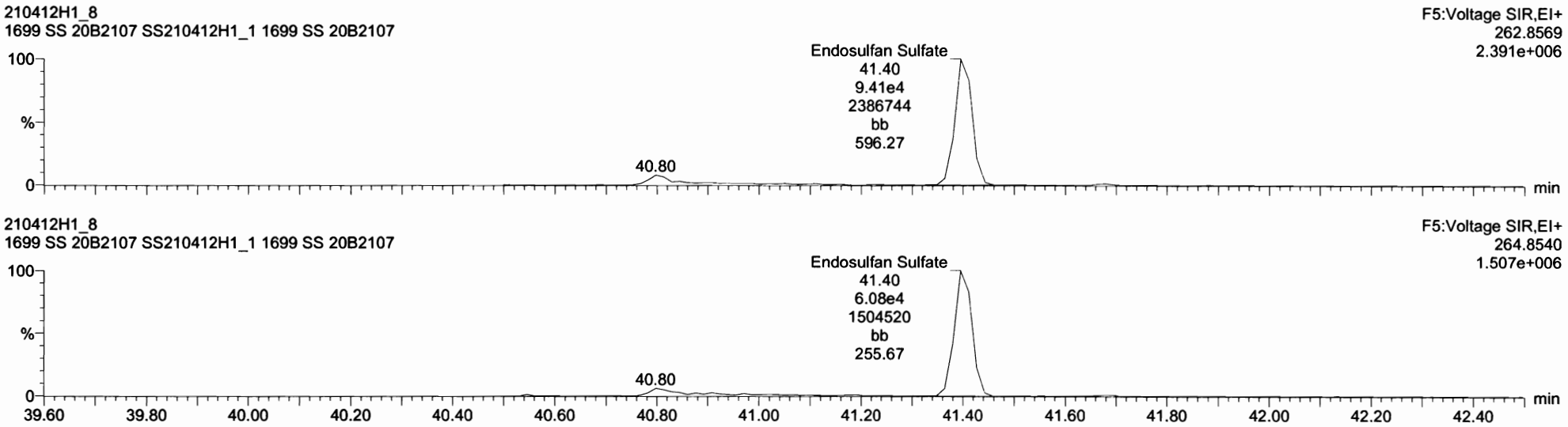
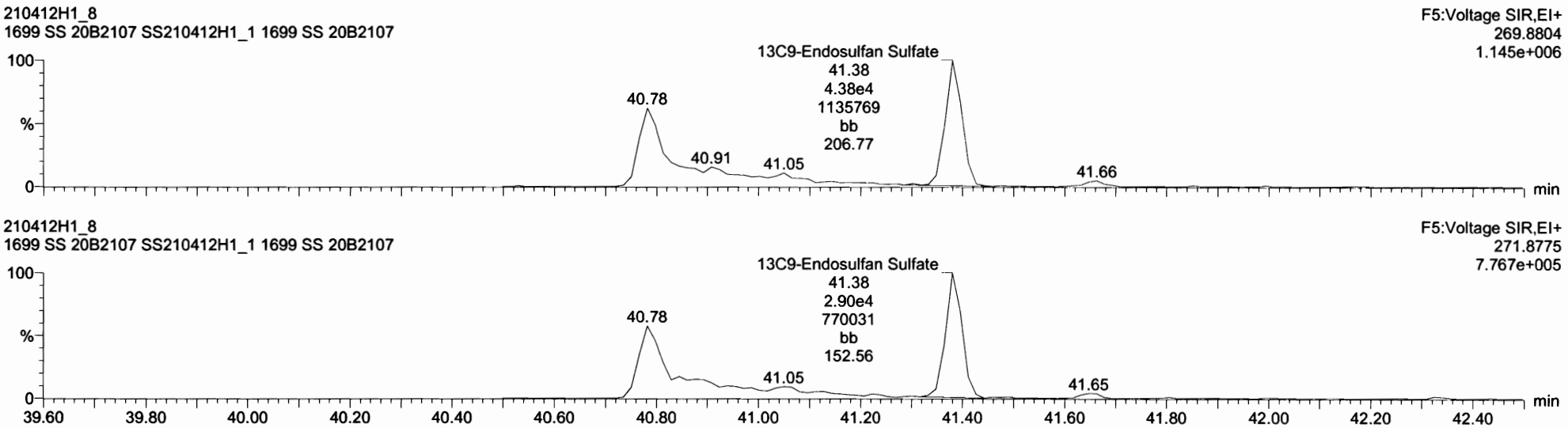
Name: 210412H1_8, Date: 12-Apr-2021, Time: 20:39:33, ID: SS210412H1_1 1699 SS 20B2107, Description: 1699 SS 20B2107

Endosulfan Sulfate



13C9-Endosulfan Sulfate



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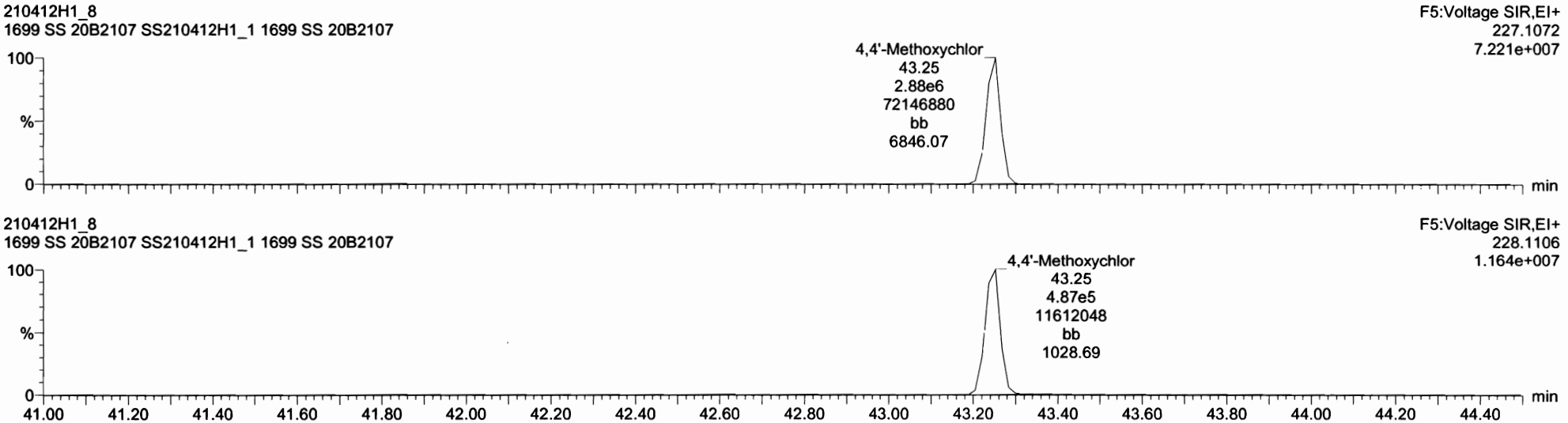
Name: 210412H1_8, Date: 12-Apr-2021, Time: 20:39:33, ID: SS210412H1_1 1699 SS 20B2107, Description: 1699 SS 20B2107

4,4'-Methoxychlor



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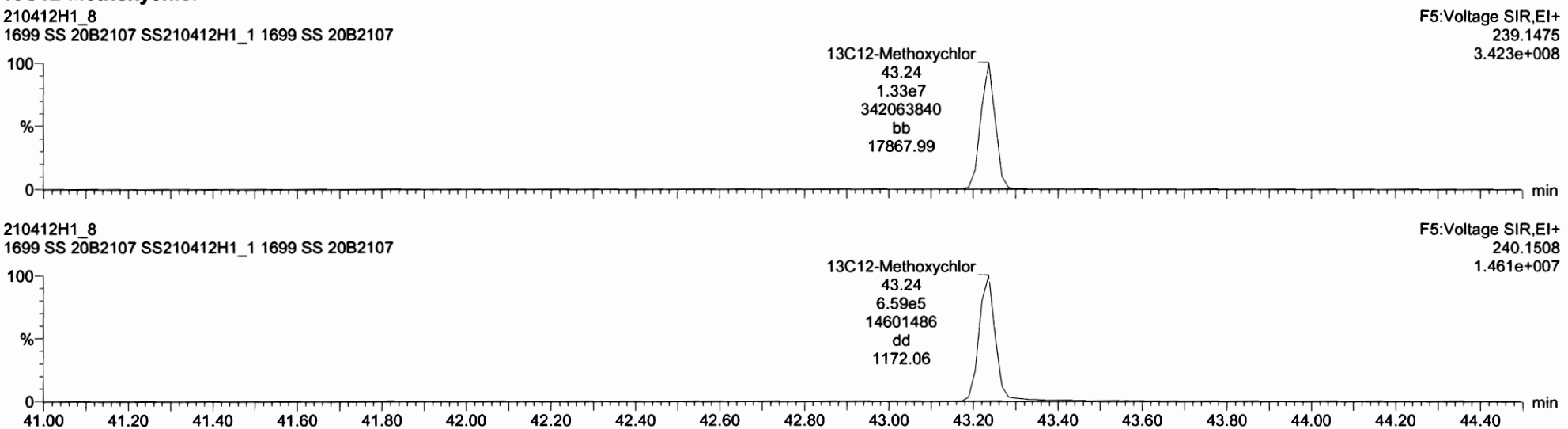

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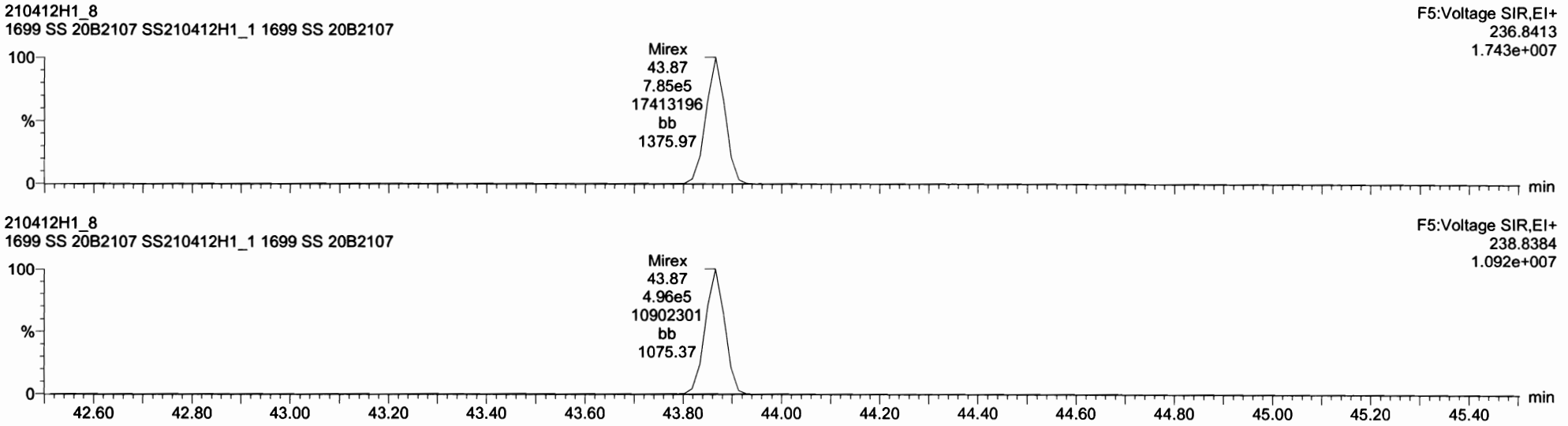
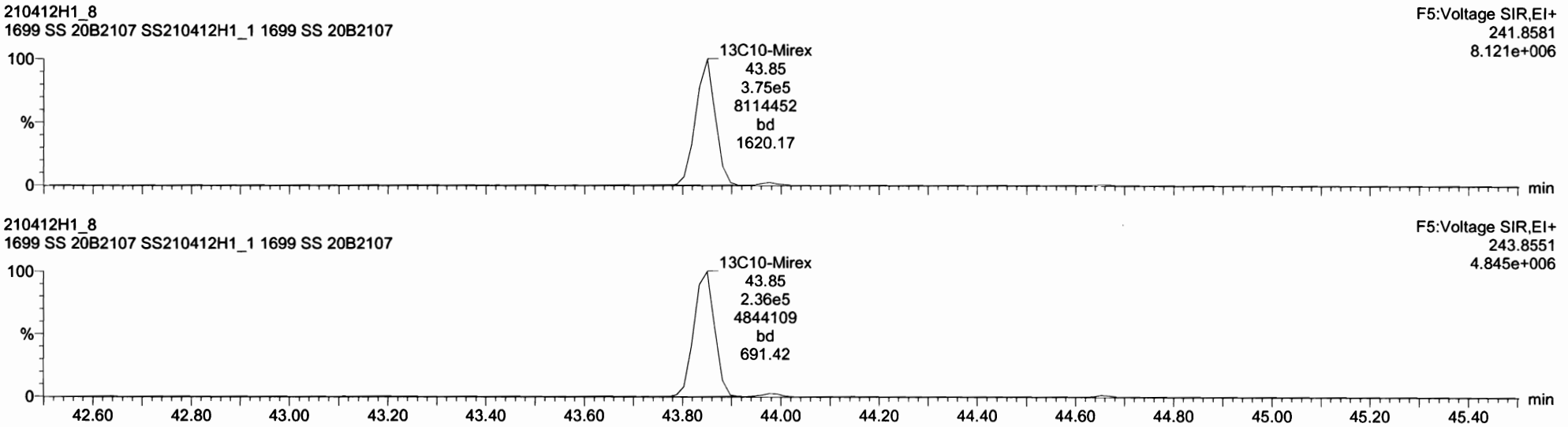
Last Altered: Tuesday, April 13, 2021 12:09:06 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 12:11:04 Pacific Daylight Time

Name: 210412H1_8, Date: 12-Apr-2021, Time: 20:39:33, ID: SS210412H1_1 1699 SS 20B2107, Description: 1699 SS 20B2107

Mirex



13C10-Mirex



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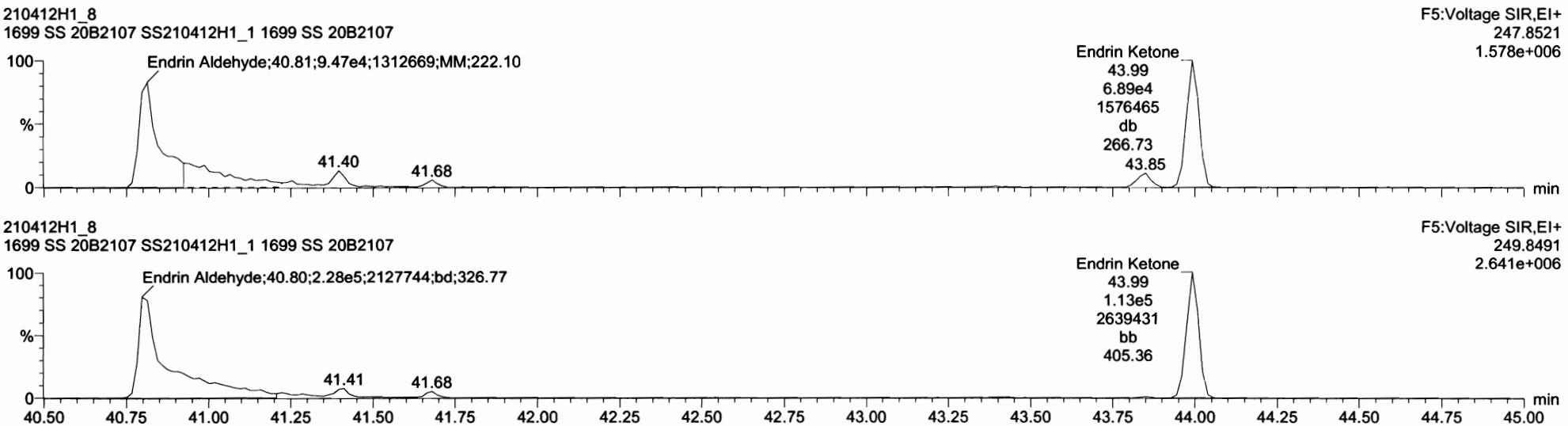
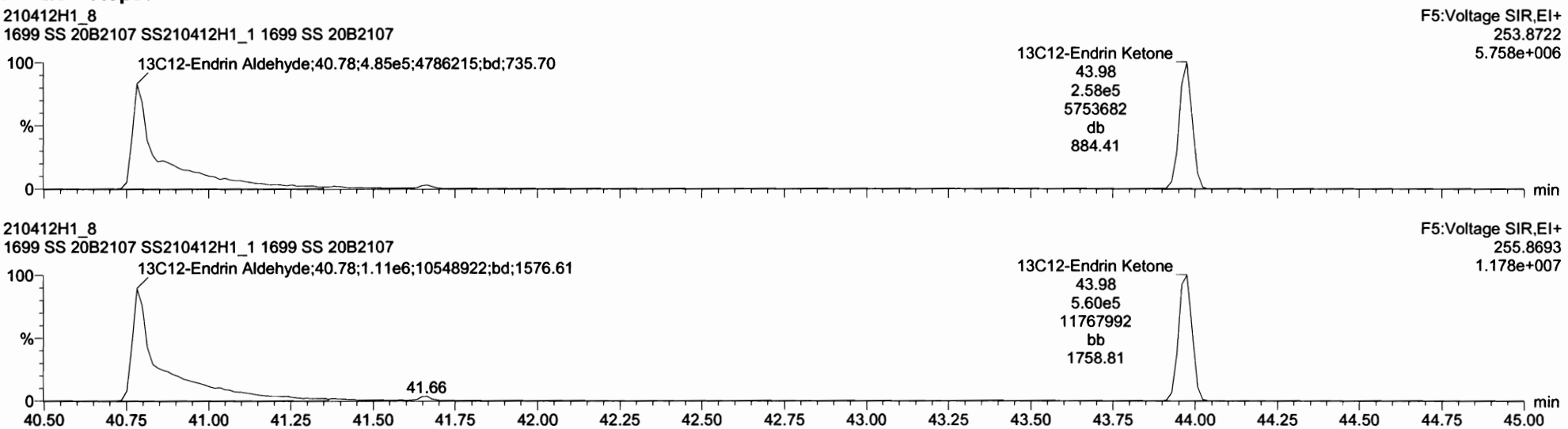
Last Altered: Tuesday, April 13, 2021 12:09:06 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 12:11:04 Pacific Daylight Time

Name: 210412H1_8, Date: 12-Apr-2021, Time: 20:39:33, ID: SS210412H1_1 1699 SS 20B2107, Description: 1699 SS 20B2107

EA-EK



EA-EK-isotopes

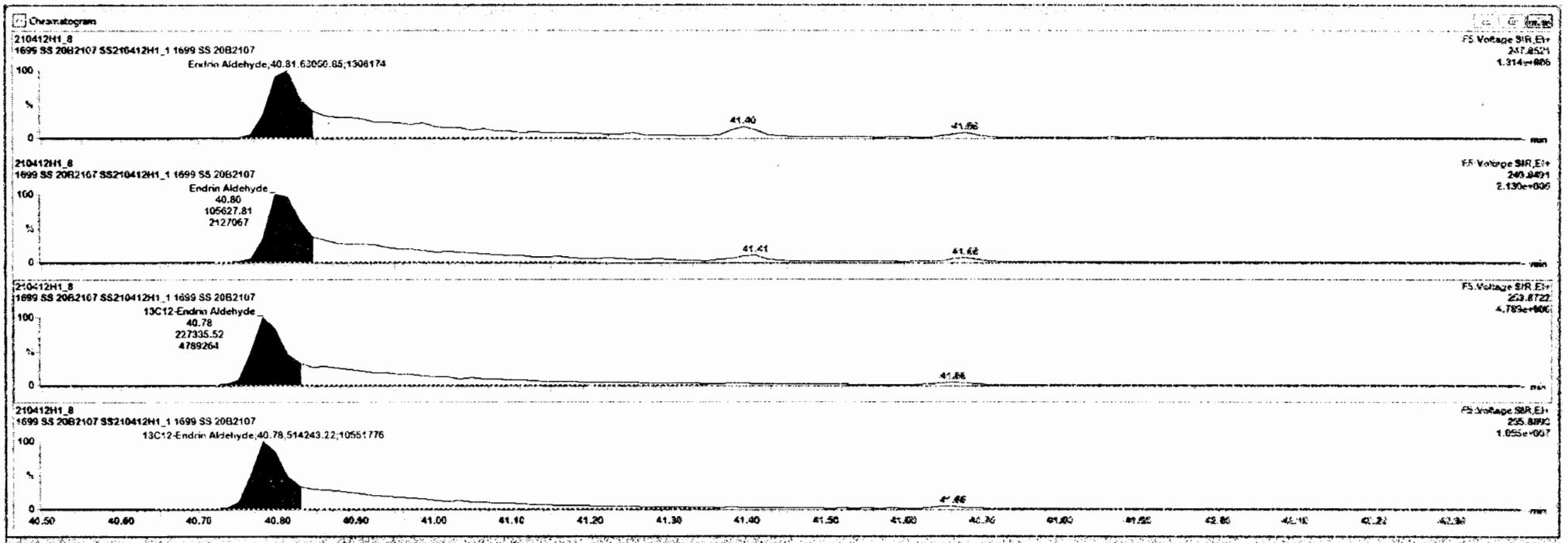


TargetLynx - 210412H1_8.qld

File Edit View Display Processing Window Help

210412H1_8 - SS210412H1_1 1699 SS 20B2107 1699 SS 20B2107

	#	Name	Resp	IS AREA	RA	n/v	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EXPC
27	27	4,4'-DDT	3.57e6	1.58e6	1.57	NO	1.13	1.0000	40.20	40.33	1.000	1.001	NO	99.71	99.7	0.0850	99.7
28	28	Endosulfan Sulfate	1.55e5	7.29e4	1.55	NO	1.04	1.0000	41.40	41.38	1.000	1.000	NO	102.6	102	0.016	102
29	29	4,4'-Methoxychlor	3.38e6	1.39e7	5.91	NO	1.22	1.0000	43.25	43.24	1.000	1.000	NO	99.09	99.1	0.031	99.1
30	30	Mirex	1.28e6	6.10e5	1.58	NO	1.03	1.0000	43.87	43.69	1.000	1.001	NO	101.5	102	0.104	102
31	31	Endrin Aldehyde	1.65e5	7.42e5	0.60	NO	1.00	1.0000	40.81	40.78	1.001	1.000	NO	112.6	114	0.496	114
32	32	Endrin Ketone	1.82e5	5.18e5	0.61	NO	0.93	1.0000	42.99	42.98	1.000	1.000	NO	120.2	120	0.460	120
33	33	13C4-hexachlorobutadi	5.43e6	4.18e6	1.26	NO	0.16	1.0000	9.97	9.98	0.332	0.333	NO	405.1	81.0	0.00543	
34	34	13C6-hexachlorobenze	3.39e6	4.18e6	1.29	NO	0.87	1.0000	22.69	22.71	0.870	0.871	NO	46.70	93.4	0.00142	
35	35	13C6-Alpha-BHC	1.01e6	4.18e6	0.79	NO	0.26	1.0000	23.23	23.22	0.891	0.891	NO	46.53	93.8	0.0651	
36	36	13C6-Lindane (gamma)	7.46e5	4.18e6	0.79	NO	0.19	1.0000	26.57	26.56	1.019	1.019	NO	46.01	92.0	0.0868	
37	37	13C6-Beta-BHC	5.39e5	4.18e6	0.80	NO	0.14	1.0000	28.60	28.55	1.097	1.097	NO	44.81	88.8	0.117	
38	38	13C6-Delta-BHC	6.19e5	4.18e6	0.81	NO	0.17	1.0000	30.25	30.24	1.160	1.160	NO	44.05	88.1	0.100	



Ready

Dataset: Untitled

Last Altered: Tuesday, April 13, 2021 12:09:06 Pacific Daylight Time
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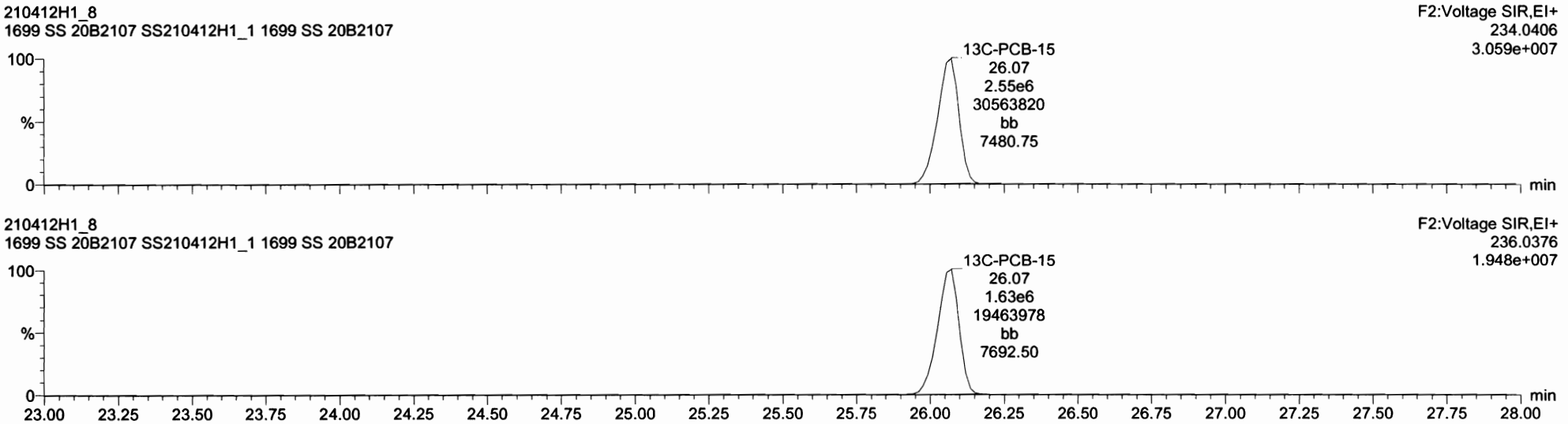
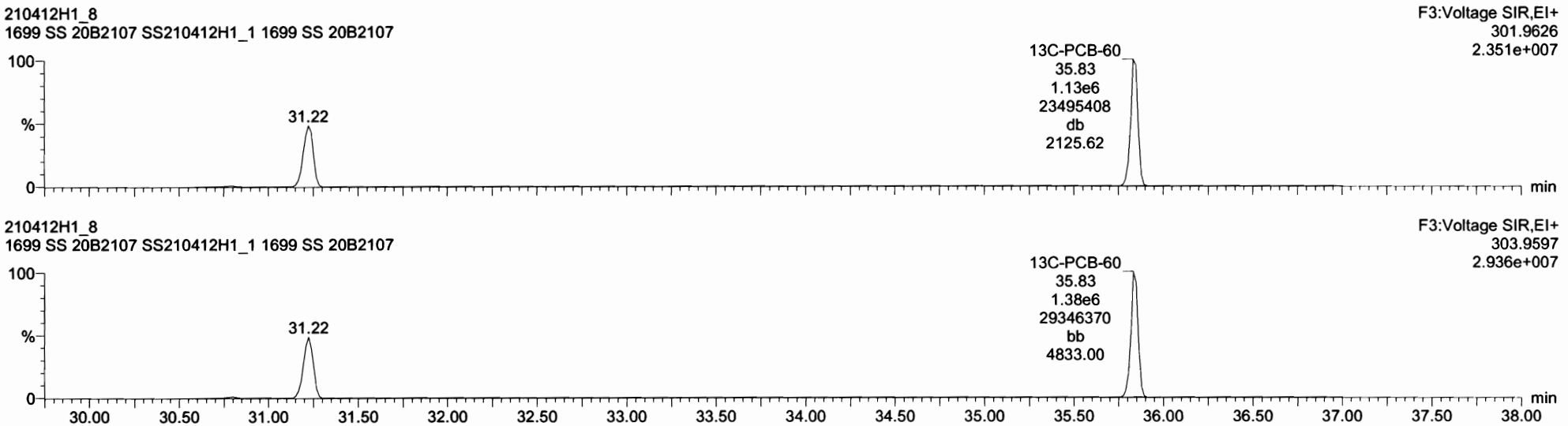
Name: 210412H1_8, Date: 12-Apr-2021, Time: 20:39:33, ID: SS210412H1_1 1699 SS 20B2107, Description: 1699 SS 20B2107

13C-PCB-15



13C-PCB-60



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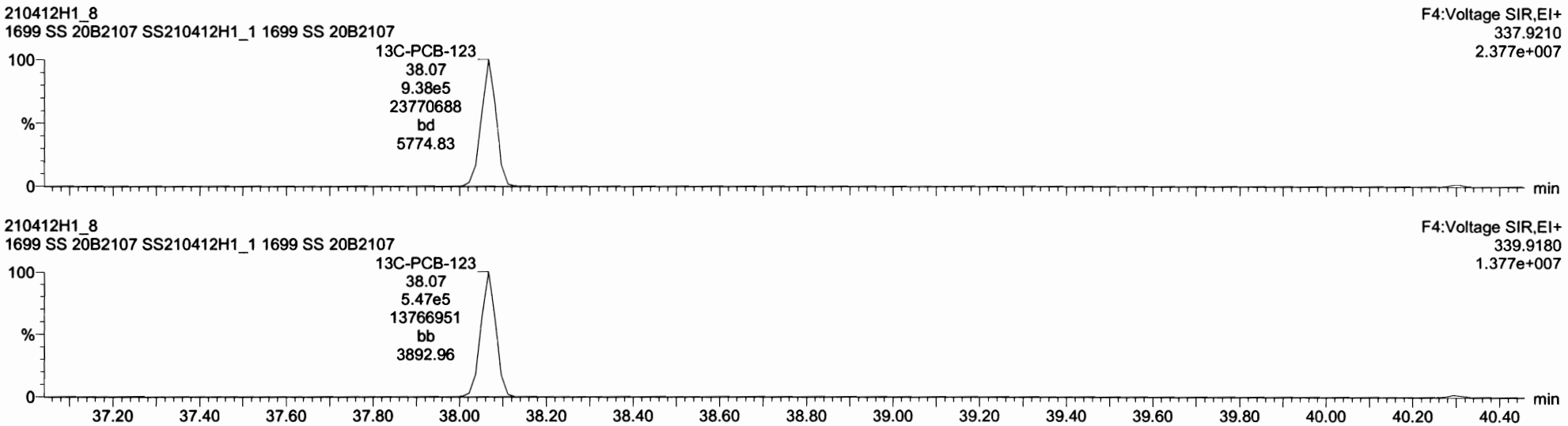
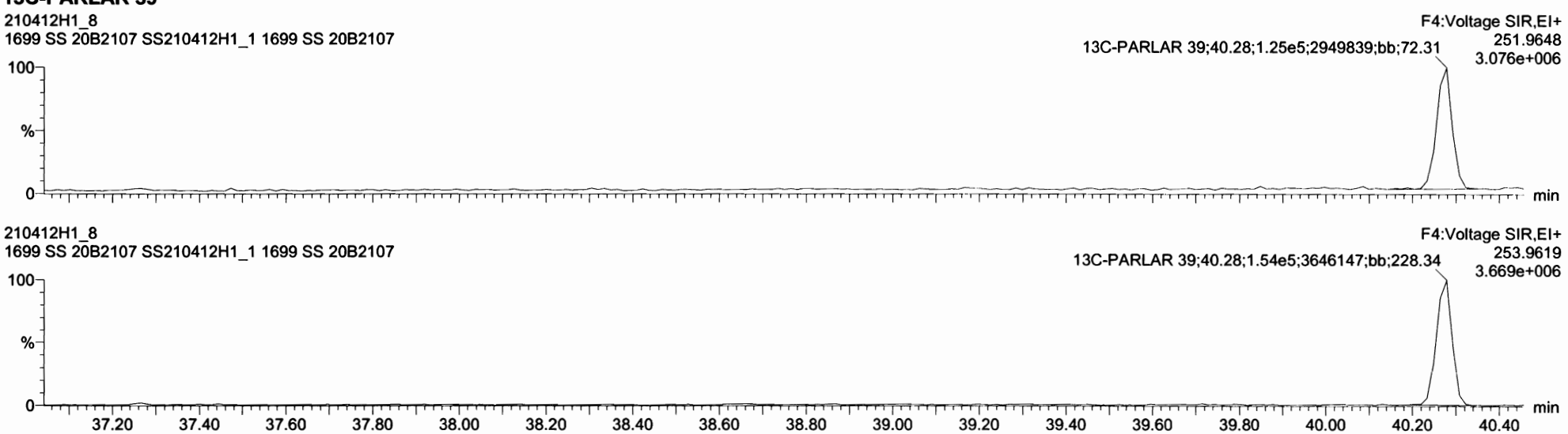
Printed: Tuesday, April 13, 2021 12:11:04 Pacific Daylight Time

Name: 210412H1_8, Date: 12-Apr-2021, Time: 20:39:33, ID: SS210412H1_1 1699 SS 20B2107, Description: 1699 SS 20B2107

13C-PCB-123



13C-PARLAR 39



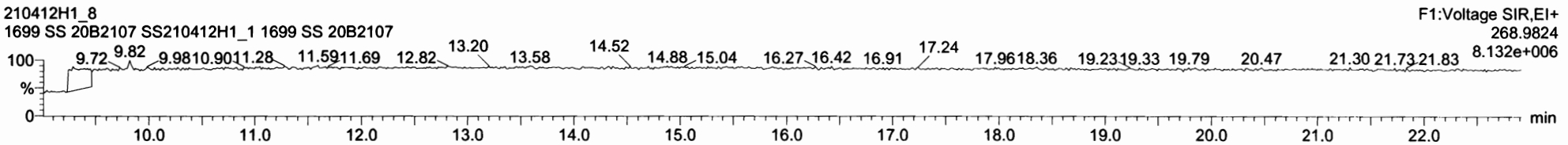
Vista Analytical Laboratory

Dataset: Untitled

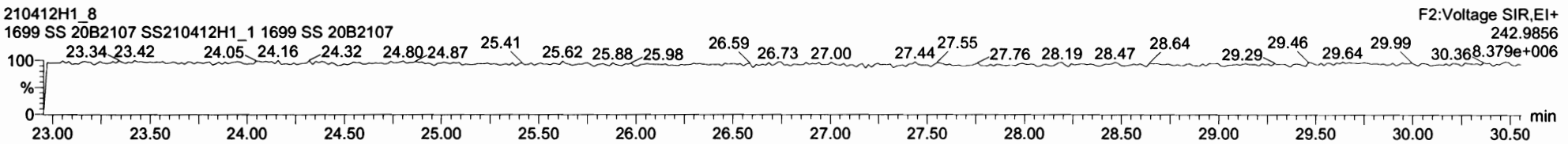
Last Altered: Tuesday, April 13, 2021 12:09:06 Pacific Daylight Time
Printed: Tuesday, April 13, 2021 12:11:04 Pacific Daylight Time

Name: 210412H1_8, Date: 12-Apr-2021, Time: 20:39:33, ID: SS210412H1_1 1699 SS 20B2107, Description: 1699 SS 20B2107

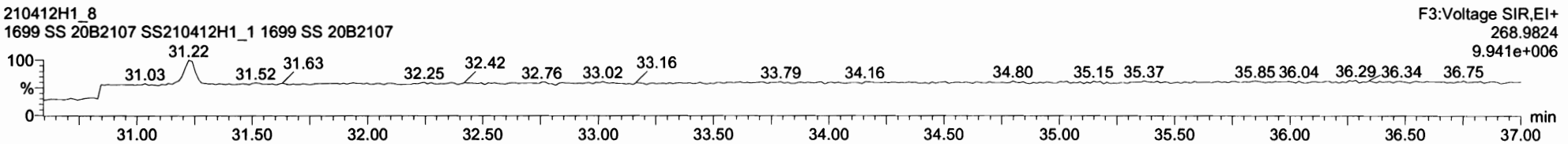
PFK1



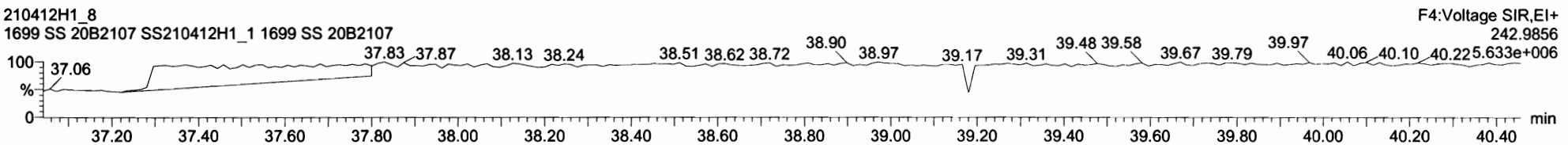
PFK2



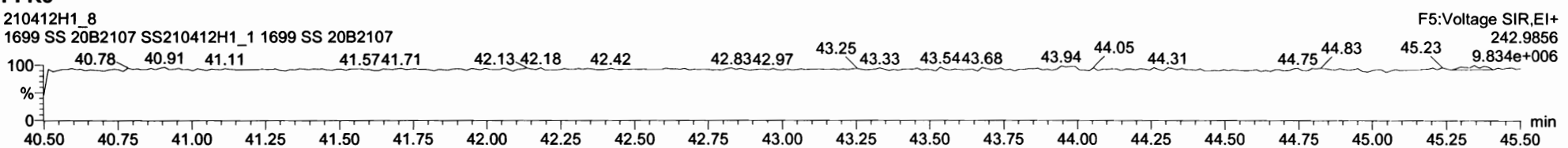
PFK3



PFK4



PFK5



Dataset: U:\vg10.PRO\Results\210420H5\210420H5_CRV.qld

Last Altered: Wednesday, April 21, 2021 10:38:29 Pacific Daylight Time
Printed: Wednesday, April 21, 2021 10:56:56 Pacific Daylight Time

HN 04/21/21
DF 04/21/21

- Limited, High point @ 250 for:
  Endosulfan (II) beta
- Detector @ 290
- Some masses did not centroid @ Final resolution check
- one mass had Column bleed

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Compound name: Hexachlorobenzene
Response Factor: 0.983668
RRF SD: 0.0766006, Relative SD: 7.78725
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	210420H5_1	2.00	1.27	NO	22.69	1.001	4.75e4	1.42e6	1.70	-14.9	0.837	bb
2	210420H5_2	10.0	1.26	NO	22.71	1.001	5.62e5	2.74e6	10.4	4.1	1.02	bb
3	210420H5_3	100	1.25	NO	22.69	1.001	4.16e6	2.11e6	100	-0.0	0.983	bb
4	210420H5_4	250	1.25	NO	22.69	1.001	6.13e6	1.20e6	259	3.6	1.02	bb
5	210420H5_5	1200	1.25	NO	22.72	1.001	2.90e7	1.23e6	1200	-0.0	0.984	bb
6	210420H5_6	50.0	1.26	NO	22.69	1.001	1.16e6	1.10e6	53.6	7.2	1.05	bb

Compound name: Alpha-BHC
Response Factor: 0.81689
RRF SD: 0.0811486, Relative SD: 9.93384
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	210420H5_1	2.00	2.04	NO	23.26	1.001	1.02e4	3.87e5	1.61	-19.5	0.657	bb
2	210420H5_2	10.0	2.13	NO	23.26	1.001	1.24e5	7.69e5	9.89	-1.1	0.808	bb
3	210420H5_3	100	2.06	NO	23.26	1.001	9.98e5	5.89e5	104	3.7	0.847	bb
4	210420H5_4	250	2.08	NO	23.24	1.001	1.47e6	3.37e5	266	6.6	0.871	bb
5	210420H5_5	1200	2.10	NO	23.28	1.001	7.11e6	3.44e5	1270	5.6	0.863	bb
6	210420H5_6	50.0	2.11	NO	23.24	1.001	2.67e5	3.12e5	52.4	4.8	0.856	bb

Dataset: U:\vg10.PRO\Results\210420H5\210420H5_CRV.qld

Last Altered: Wednesday, April 21, 2021 10:38:29 Pacific Daylight Time
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Compound name: Lindane (gamma-BHC)
Response Factor: 0.847024
RRF SD: 0.0731341, Relative SD: 8.63424
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	210420H5_1	2.00	2.22	NO	26.60	1.001	8.33e3	2.96e5	1.66	-16.8	0.705	MM
2	210420H5_2	10.0	2.11	NO	26.60	1.001	9.94e4	5.89e5	9.96	-0.4	0.844	bb
3	210420H5_3	100	2.09	NO	26.60	1.001	7.83e5	4.55e5	101	1.5	0.860	bb
4	210420H5_4	250	2.11	NO	26.60	1.001	1.16e6	2.56e5	266	6.5	0.902	bb
5	210420H5_5	1200	2.11	NO	26.62	1.001	5.59e6	2.59e5	1270	6.0	0.898	bb
6	210420H5_6	50.0	2.16	NO	26.60	1.001	2.03e5	2.32e5	51.6	3.3	0.875	bb

Compound name: Beta-BHC
Response Factor: 0.983396
RRF SD: 0.0836988, Relative SD: 8.51121
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	210420H5_1	2.00	2.04	NO	28.61	1.001	6.77e3	2.06e5	1.68	-16.2	0.824	bb
2	210420H5_2	10.0	2.12	NO	28.61	1.001	7.82e4	4.07e5	9.78	-2.2	0.961	dd
3	210420H5_3	100	2.14	NO	28.61	1.001	6.29e5	3.11e5	103	2.7	1.01	bb
4	210420H5_4	250	2.16	NO	28.61	1.001	9.16e5	1.75e5	267	6.6	1.05	bb
5	210420H5_5	1200	2.11	NO	28.63	1.001	4.53e6	1.83e5	1260	4.9	1.03	bb
6	210420H5_6	50.0	2.21	NO	28.61	1.001	1.62e5	1.58e5	52.1	4.2	1.02	bb

Compound name: Delta-BHC
Response Factor: 0.908413
RRF SD: 0.0966847, Relative SD: 10.6432
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	210420H5_1	2.00	1.99	NO	30.27	1.000	7.25e3	2.53e5	1.58	-21.2	0.716	MM
2	210420H5_2	10.0	2.13	NO	30.28	1.001	9.20e4	5.03e5	10.1	0.6	0.914	bb

Dataset: U:\vg10.PRO\Results\210420H5\210420H5_CRV.qld

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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	210420H5_3	100	2.12	NO	30.27	1.000	7.34e5	3.94e5	103	2.5	0.931	bb
4	210420H5_4	250	2.12	NO	30.27	1.000	1.08e6	2.24e5	266	6.3	0.965	bb
5	210420H5_5	1200	2.09	NO	30.28	1.000	5.48e6	2.38e5	1260	5.4	0.957	bb
6	210420H5_6	50.0	2.15	NO	30.27	1.000	1.92e5	1.98e5	53.2	6.4	0.967	bb

Compound name: Heptachlor
Response Factor: 1.10302
RRF SD: 0.0801718, Relative SD: 7.2684
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	210420H5_1	2.00	1.23	NO	28.72	1.001	6.74e3	1.73e5	1.77	-11.5	0.976	bb
2	210420H5_2	10.0	1.26	NO	28.74	1.001	7.07e4	3.42e5	9.38	-6.2	1.03	bb
3	210420H5_3	100	1.25	NO	28.74	1.001	5.75e5	2.58e5	101	1.2	1.12	bb
4	210420H5_4	250	1.24	NO	28.74	1.001	8.06e5	1.40e5	262	4.6	1.15	bb
5	210420H5_5	1200	1.24	NO	28.76	1.001	4.27e6	1.51e5	1280	6.7	1.18	bb
6	210420H5_6	50.0	1.21	NO	28.74	1.001	1.37e5	1.18e5	52.6	5.2	1.16	bb

Compound name: Aldrin
Response Factor: 1.11558
RRF SD: 0.114931, Relative SD: 10.3023
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	210420H5_1	2.00	1.46	NO	30.83	1.001	9.35e3	2.62e5	1.60	-19.9	0.894	bb
2	210420H5_2	10.0	1.63	NO	30.83	1.001	1.06e5	4.72e5	10.1	0.6	1.12	bb
3	210420H5_3	100	1.59	NO	30.83	1.001	8.18e5	3.65e5	100	0.5	1.12	bb
4	210420H5_4	250	1.61	NO	30.83	1.001	1.18e6	2.03e5	260	4.2	1.16	bb
5	210420H5_5	1200	1.59	NO	30.84	1.001	5.65e6	1.93e5	1310	9.4	1.22	bb
6	210420H5_6	50.0	1.61	NO	30.83	1.001	2.17e5	1.85e5	52.6	5.3	1.17	bb

Dataset: U:\vg10.PRO\Results\210420H5\210420H5_CRV.qld

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Compound name: Oxychlordane
Response Factor: 1.10645
RRF SD: 0.0859234, Relative SD: 7.76569
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	210420H5_1	2.00	1.95	NO	33.38	1.001	2.79e3	7.34e4	1.72	-14.1	0.951	MM
2	210420H5_2	10.0	1.68	NO	33.38	1.001	3.03e4	1.39e5	9.83	-1.7	1.09	bb
3	210420H5_3	100	1.58	NO	33.38	1.001	2.34e5	1.06e5	99.8	-0.2	1.10	bb
4	210420H5_4	250	1.61	NO	33.38	1.001	3.40e5	6.00e4	256	2.4	1.13	bb
5	210420H5_5	1200	1.60	NO	33.40	1.001	1.67e6	5.94e4	1270	5.7	1.17	bb
6	210420H5_6	50.0	1.67	NO	33.38	1.001	5.96e4	4.99e4	54.0	7.9	1.19	bb

Compound name: cis-Heptachlor Epoxide
Response Factor: 1.12979
RRF SD: 0.116014, Relative SD: 10.2687
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	210420H5_1	2.00	1.59	NO	34.16	1.000	3.50e3	9.56e4	1.62	-18.9	0.916	bb
2	210420H5_2	10.0	1.42	NO	34.17	1.001	4.17e4	1.88e5	9.83	-1.7	1.11	bb
3	210420H5_3	100	1.65	NO	34.16	1.000	3.14e5	1.37e5	102	1.7	1.15	bb
4	210420H5_4	250	1.59	NO	34.17	1.001	4.54e5	7.35e4	274	9.5	1.24	bb
5	210420H5_5	1200	1.59	NO	34.19	1.001	2.21e6	7.52e4	1300	8.5	1.23	bb
6	210420H5_6	50.0	1.54	NO	34.16	1.000	7.93e4	6.95e4	50.5	0.9	1.14	bb

Compound name: trans-Heptachlor Epoxide
Response Factor: 0.272591
RRF SD: 0.021613, Relative SD: 7.92871
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	210420H5_1	2.00	1.55	NO	34.65	1.015	9.12e2	9.56e4	1.75	-12.6	0.238	bb
2	210420H5_2	10.0	1.64	NO	34.65	1.015	1.02e4	1.88e5	9.92	-0.8	0.270	bb

Dataset: U:\vg10.PRO\Results\210420H5\210420H5_CRV.qld

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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	210420H5_3	100	1.58	NO	34.64	1.015	7.34e4	1.37e5	98.6	-1.4	0.269	bb
4	210420H5_4	250	1.60	NO	34.65	1.015	1.08e5	7.35e4	269	7.7	0.294	bb
5	210420H5_5	1200	1.57	NO	34.67	1.015	5.38e5	7.52e4	1310	9.4	0.298	bb
6	210420H5_6	50.0	1.62	NO	34.65	1.015	1.85e4	6.95e4	48.8	-2.3	0.266	bb

Compound name: trans-Chlordane (gamma)
Response Factor: 1.19396
RRF SD: 0.0738287, Relative SD: 6.18351
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	210420H5_1	2.00	1.45	NO	35.06	1.001	2.80e3	6.56e4	1.79	-10.5	1.07	bb
2	210420H5_2	10.0	1.54	NO	35.06	1.000	2.91e4	1.25e5	9.79	-2.1	1.17	bb
3	210420H5_3	100	1.62	NO	35.06	1.001	2.22e5	9.42e4	98.8	-1.2	1.18	bb
4	210420H5_4	250	1.60	NO	35.06	1.001	3.24e5	5.06e4	268	7.2	1.28	bd
5	210420H5_5	1200	1.58	NO	35.08	1.001	1.55e6	5.28e4	1230	2.6	1.22	bd
6	210420H5_6	50.0	1.64	NO	35.06	1.001	5.56e4	4.48e4	52.0	4.0	1.24	bb

Compound name: trans-Nonachlor
Response Factor: 1.08976
RRF SD: 0.100148, Relative SD: 9.18989
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	210420H5_1	2.00	1.33	NO	35.25	1.001	2.67e3	7.40e4	1.66	-17.2	0.902	MM
2	210420H5_2	10.0	1.54	NO	35.25	1.001	2.99e4	1.41e5	9.74	-2.6	1.06	bb
3	210420H5_3	100	1.65	NO	35.24	1.000	2.31e5	1.04e5	102	2.3	1.12	bb
4	210420H5_4	250	1.57	NO	35.25	1.001	3.37e5	5.70e4	271	8.5	1.18	db
5	210420H5_5	1200	1.58	NO	35.25	1.000	1.61e6	5.85e4	1260	5.3	1.15	db
6	210420H5_6	50.0	1.57	NO	35.24	1.000	5.51e4	4.88e4	51.8	3.6	1.13	bb

Dataset: U:\vg10.PRO\Results\210420H5\210420H5_CRV.qld

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Compound name: cis-Chlordane
Response Factor: 1.203
RRF SD: 0.141612, Relative SD: 11.7715
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	210420H5_1	2.00	1.37	NO	35.73	1.015	2.72e3	7.40e4	1.53	-23.6	0.919	bd
2	210420H5_2	10.0	1.66	NO	35.73	1.015	3.41e4	1.41e5	10.1	0.8	1.21	bd
3	210420H5_3	100	1.61	NO	35.73	1.015	2.59e5	1.04e5	104	4.0	1.25	bd
4	210420H5_4	250	1.55	NO	35.73	1.015	3.68e5	5.70e4	269	7.5	1.29	bd
5	210420H5_5	1200	1.59	NO	35.75	1.015	1.78e6	5.85e4	1260	5.2	1.27	bd
6	210420H5_6	50.0	1.77	NO	35.72	1.014	6.23e4	4.88e4	53.1	6.1	1.28	bd

Compound name: Endosulfan I (alpha)
Response Factor: 1.21348
RRF SD: 0.140397, Relative SD: 11.5698
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	210420H5_1	10.0	1.50	NO	35.85	1.001	1.24e4	4.49e4	11.4	13.8	1.38	db
2	210420H5_2	15.0	1.79	NO	35.85	1.001	3.61e4	9.10e4	16.4	9.0	1.32	db
3	210420H5_3	100	1.62	NO	35.83	1.000	1.69e5	7.05e4	99.0	-1.0	1.20	db
4	210420H5_4	250	1.56	NO	35.83	1.000	2.38e5	4.11e4	239	-4.5	1.16	db
5	210420H5_5	1200	1.58	NO	35.85	1.001	1.19e6	5.07e4	968	-19.3	0.979	db
6	210420H5_6	50.0	1.63	NO	35.83	1.000	4.11e4	3.32e4	51.0	2.0	1.24	db

Compound name: 2,4'-DDE
Response Factor: 1.01376
RRF SD: 0.0612235, Relative SD: 6.03928
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	210420H5_1	2.00	1.52	NO	35.70	1.000	6.06e4	1.70e6	1.76	-12.1	0.892	db
2	210420H5_2	10.0	1.50	NO	35.70	1.000	6.86e5	3.31e6	10.2	2.3	1.04	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	210420H5_3	100	1.50	NO	35.70	1.001	5.14e6	2.52e6	101	0.7	1.02	bb
4	210420H5_4	250	1.50	NO	35.70	1.000	7.11e6	1.37e6	257	2.6	1.04	bb
5	210420H5_5	1200	1.50	NO	35.72	1.001	3.41e7	1.37e6	1220	1.9	1.03	bb
6	210420H5_6	50.0	1.50	NO	35.70	1.001	1.29e6	1.21e6	52.3	4.6	1.06	bb

Compound name: 4,4'-DDE
Response Factor: 1.03376
RRF SD: 0.0498663, Relative SD: 4.8238
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	210420H5_1	2.00	1.37	NO	36.77	1.000	4.66e4	1.24e6	1.82	-9.0	0.941	db
2	210420H5_2	10.0	1.50	NO	36.77	1.000	5.00e5	2.39e6	10.1	1.2	1.05	bd
3	210420H5_3	100	1.49	NO	36.75	1.000	3.66e6	1.79e6	99.2	-0.8	1.03	bb
4	210420H5_4	250	1.49	NO	36.77	1.001	5.16e6	9.78e5	255	2.0	1.05	bb
5	210420H5_5	1200	1.49	NO	36.77	1.000	2.46e7	9.79e5	1220	1.4	1.05	bb
6	210420H5_6	50.0	1.52	NO	36.77	1.001	8.85e5	8.13e5	52.6	5.3	1.09	bb

Compound name: Dieldrin
Response Factor: 1.0539
RRF SD: 0.0583874, Relative SD: 5.54015
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	210420H5_1	2.00	1.88	NO	37.28	1.000	6.33e3	1.62e5	1.85	-7.5	0.975	bb
2	210420H5_2	10.0	1.55	NO	37.28	1.000	6.40e4	3.21e5	9.46	-5.4	0.998	bd
3	210420H5_3	100	1.57	NO	37.28	1.001	5.01e5	2.39e5	99.3	-0.7	1.05	bb
4	210420H5_4	250	1.58	NO	37.28	1.001	7.40e5	1.34e5	261	4.5	1.10	bb
5	210420H5_5	1200	1.55	NO	37.30	1.001	3.46e6	1.34e5	1230	2.6	1.08	bb
6	210420H5_6	50.0	1.61	NO	37.28	1.001	1.29e5	1.15e5	53.2	6.4	1.12	bb

Dataset: U:\vg10.PRO\Results\210420H5\210420H5_CRV.qld

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Compound name: Endrin
Response Factor: 0.978837
RRF SD: 0.073704, Relative SD: 7.52975
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	210420H5_1	2.00	1.63	NO	38.68	1.001	2.97e3	8.52e4	1.78	-11.0	0.871	bb
2	210420H5_2	10.0	1.61	NO	38.68	1.000	3.69e4	1.93e5	9.78	-2.2	0.957	bb
3	210420H5_3	100	1.57	NO	38.67	1.001	2.30e5	1.24e5	95.2	-4.8	0.932	bb
4	210420H5_4	250	1.57	NO	38.67	1.001	2.99e5	5.89e4	259	3.7	1.01	bb
5	210420H5_5	1200	1.57	NO	38.69	1.001	1.38e6	5.33e4	1320	10.2	1.08	bb
6	210420H5_6	50.0	1.54	NO	38.68	1.000	3.91e4	3.83e4	52.1	4.1	1.02	bb

Compound name: cis-Nonachlor
Response Factor: 1.0546
RRF SD: 0.145261, Relative SD: 13.774
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	210420H5_1	2.00	1.41	NO	38.94	1.000	3.02e3	8.85e4	1.62	-19.1	0.853	MM
2	210420H5_2	10.0	1.54	NO	38.96	1.000	3.31e4	1.68e5	9.33	-6.7	0.984	bb
3	210420H5_3	100	1.57	NO	38.96	1.001	2.69e5	1.27e5	100	0.3	1.06	bb
4	210420H5_4	250	1.58	NO	38.96	1.001	3.89e5	6.02e4	306	22.6	1.29	bb
5	210420H5_5	1200	1.57	NO	38.97	1.001	1.78e6	7.17e4	1180	-1.9	1.03	bb
6	210420H5_6	50.0	1.60	NO	38.96	1.001	6.26e4	5.66e4	52.4	4.9	1.11	bb

Compound name: Endosulfan II (beta)
Response Factor: 1.0892
RRF SD: 0.107685, Relative SD: 9.88659
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	210420H5_1	10.0	1.80	NO	39.69	1.000	6.49e3	2.69e4	11.1	10.7	1.21	bb
2	210420H5_2	15.0	1.53	NO	39.69	1.000	1.82e4	5.04e4	16.6	10.5	1.20	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	210420H5_3	100	1.62	NO	39.69	1.000	8.20e4	4.02e4	93.5	-6.5	1.02	bd
4	210420H5_4	250	1.53	NO	39.68	1.000	1.22e5	2.48e4	225	-10.1	0.980	bd
5	210420H5_5	1200	1.56	NO	39.70	1.000	5.90e5	3.32e4	817	-32.0	0.741	bbX
6	210420H5_6	50.0	1.67	NO	39.69	1.000	2.04e4	1.97e4	47.7	-4.7	1.04	bb

Compound name: 2,4'-DDD
Response Factor: 1.02559
RRF SD: 0.0826181, Relative SD: 8.05567
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	210420H5_1	2.00	1.61	NO	37.90	1.000	3.65e4	1.06e6	1.68	-15.8	0.863	MM
2	210420H5_2	10.0	1.62	NO	37.90	1.000	4.49e5	2.11e6	10.4	4.0	1.07	bd
3	210420H5_3	100	1.58	NO	37.89	1.000	3.36e6	1.64e6	100	0.0	1.03	bb
4	210420H5_4	250	1.58	NO	37.90	1.001	4.88e6	9.25e5	257	3.0	1.06	bb
5	210420H5_5	1200	1.59	NO	37.90	1.000	2.49e7	9.92e5	1230	2.2	1.05	bb
6	210420H5_6	50.0	1.61	NO	37.89	1.000	8.66e5	7.92e5	53.3	6.6	1.09	bb

Compound name: 2,4'-DDT
Response Factor: 1.01849
RRF SD: 0.0673218, Relative SD: 6.60995
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	210420H5_1	2.00	1.49	NO	39.02	1.000	2.03e4	5.60e5	1.78	-11.1	0.906	MM
2	210420H5_2	10.0	1.63	NO	39.02	1.000	2.38e5	1.15e6	10.2	1.5	1.03	dd
3	210420H5_3	100	1.57	NO	39.02	1.000	1.87e6	9.28e5	98.9	-1.1	1.01	dd
4	210420H5_4	250	1.57	NO	39.02	1.000	2.72e6	4.90e5	272	9.0	1.11	bd
5	210420H5_5	1200	1.57	NO	39.03	1.000	1.38e7	5.73e5	1180	-1.5	1.00	dd
6	210420H5_6	50.0	1.61	NO	39.02	1.000	4.31e5	4.10e5	51.6	3.1	1.05	dd

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Compound name: 4,4'-DDD
Response Factor: 1.10259
RRF SD: 0.0655778, Relative SD: 5.94762
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	210420H5_1	2.00	1.44	NO	39.15	1.000	3.22e4	8.29e5	1.76	-12.0	0.970	MM
2	210420H5_2	10.0	1.59	NO	39.15	1.000	3.78e5	1.69e6	10.1	1.4	1.12	dd
3	210420H5_3	100	1.60	NO	39.13	1.000	2.91e6	1.30e6	102	1.5	1.12	db
4	210420H5_4	250	1.58	NO	39.15	1.000	4.17e6	7.38e5	256	2.5	1.13	db
5	210420H5_5	1200	1.59	NO	39.15	1.000	2.09e7	7.72e5	1230	2.4	1.13	db
6	210420H5_6	50.0	1.56	NO	39.15	1.001	6.69e5	5.83e5	52.0	4.1	1.15	db

Compound name: 4,4'-DDT
Response Factor: 1.109
RRF SD: 0.07463, Relative SD: 6.72951
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	210420H5_1	2.00	1.44	NO	40.21	1.000	1.54e4	3.98e5	1.75	-12.6	0.969	dd
2	210420H5_2	10.0	1.53	NO	40.21	1.000	1.82e5	8.32e5	9.89	-1.1	1.10	dd
3	210420H5_3	100	1.59	NO	40.20	1.000	1.41e6	6.35e5	99.9	-0.1	1.11	db
4	210420H5_4	250	1.58	NO	40.20	1.000	2.12e6	3.65e5	262	4.8	1.16	db
5	210420H5_5	1200	1.59	NO	40.22	1.000	1.02e7	3.70e5	1240	3.3	1.15	db
6	210420H5_6	50.0	1.58	NO	40.21	1.000	2.99e5	2.55e5	52.9	5.8	1.17	dd

Compound name: Endosulfan Sulfate
Response Factor: 1.03685
RRF SD: 0.0488543, Relative SD: 4.71178
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	210420H5_1	10.0	1.48	NO	41.40	1.000	6.94e3	3.51e4	9.53	-4.7	0.988	MM
2	210420H5_2	15.0	1.62	NO	41.40	1.000	2.03e4	6.89e4	14.2	-5.4	0.981	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	210420H5_3	100	1.56	NO	41.40	1.000	1.04e5	5.01e4	99.6	-0.4	1.03	bb
4	210420H5_4	250	1.59	NO	41.40	1.000	1.55e5	2.78e4	268	7.3	1.11	bb
5	210420H5_5	1200	1.60	NO	41.41	1.000	6.87e5	2.70e4	1230	2.3	1.06	bb
6	210420H5_6	50.0	1.48	NO	41.40	1.000	2.18e4	2.08e4	50.5	0.9	1.05	bb

Compound name: 4,4'-Methoxychlor
Response Factor: 1.1575
RRF SD: 0.0517055, Relative SD: 4.467
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	210420H5_1	10.0	5.46	NO	43.25	1.000	9.38e4	4.44e6	9.13	-8.7	1.06	MM
2	210420H5_2	15.0	5.23	NO	43.25	1.000	3.09e5	8.73e6	15.3	2.1	1.18	bb
3	210420H5_3	100	5.28	NO	43.24	1.000	1.42e6	6.15e6	100	0.1	1.16	db
4	210420H5_4	250	5.19	NO	43.24	1.000	2.11e6	3.57e6	255	1.9	1.18	bb
5	210420H5_5	1200	5.40	NO	43.25	1.000	7.99e6	2.85e6	1210	0.8	1.17	db
6	210420H5_6	50.0	5.34	NO	43.24	1.000	2.55e5	2.12e6	51.9	3.9	1.20	bb

Compound name: Mirex
Response Factor: 1.02204
RRF SD: 0.102678, Relative SD: 10.0464
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	210420H5_1	2.00	1.51	NO	43.85	1.000	1.09e4	3.33e5	1.60	-20.2	0.816	bb
2	210420H5_2	10.0	1.56	NO	43.87	1.001	1.29e5	5.90e5	10.7	6.9	1.09	bb
3	210420H5_3	100	1.56	NO	43.85	1.000	8.75e5	4.19e5	102	2.2	1.04	bd
4	210420H5_4	250	1.56	NO	43.85	1.000	1.37e6	2.54e5	264	5.5	1.08	bd
5	210420H5_5	1200	1.58	NO	43.87	1.000	4.65e6	1.84e5	1240	3.1	1.05	bd
6	210420H5_6	50.0	1.64	NO	43.85	1.000	1.62e5	1.54e5	51.2	2.4	1.05	bb

Dataset: U:\vg10.PRO\Results\210420H5\210420H5_CRV.qld

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Compound name: Endrin Aldehyde
Response Factor: 1.18428
RRF SD: 0.101334, Relative SD: 8.55658
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	210420H5_1	10.0	0.65	NO	40.81	1.001	8.19e3	4.06e5	8.51	-14.9	1.01	MM
2	210420H5_2	15.0	0.64	NO	40.81	1.001	2.88e4	8.47e5	14.4	-4.1	1.14	MM
3	210420H5_3	100	0.61	NO	40.80	1.000	1.49e5	6.30e5	99.6	-0.4	1.18	MM
4	210420H5_4	250	0.61	NO	40.80	1.000	2.23e5	3.53e5	267	6.6	1.26	MM
5	210420H5_5	1200	0.61	NO	40.81	1.000	1.03e6	3.44e5	1270	5.7	1.25	MM
6	210420H5_6	50.0	0.57	NO	40.80	1.000	3.66e4	2.88e5	53.6	7.1	1.27	MM

Compound name: Endrin Ketone
Response Factor: 1.04012
RRF SD: 0.087256, Relative SD: 8.38902
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	210420H5_1	10.0	0.61	NO	43.99	1.000	6.74e3	3.65e5	8.88	-11.2	0.923	bb
2	210420H5_2	15.0	0.67	NO	43.99	1.000	1.98e4	6.96e5	13.7	-8.7	0.949	bb
3	210420H5_3	100	0.60	NO	43.99	1.000	1.04e5	5.07e5	98.9	-1.1	1.03	db
4	210420H5_4	250	0.62	NO	43.99	1.000	1.59e5	2.85e5	267	6.8	1.11	db
5	210420H5_5	1200	0.61	NO	44.01	1.001	6.42e5	2.39e5	1290	7.5	1.12	db
6	210420H5_6	50.0	0.58	NO	43.99	1.001	2.25e4	2.03e5	53.4	6.7	1.11	db

Compound name: 13C6-Hexachlorobenzene
Response Factor: 0.893569
RRF SD: 0.045963, Relative SD: 5.14375
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	210420H5_1	50.0	1.27	NO	22.68	0.870	1.42e6	1.58e6	50.2	0.4	0.897	bb
2	210420H5_2	50.0	1.28	NO	22.69	0.870	2.74e6	3.27e6	47.0	-6.1	0.839	bb

Dataset: U:\vg10.PRO\Results\210420H5\210420H5_CRV.qld

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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	210420H5_3	50.0	1.29	NO	22.68	0.870	2.11e6	2.46e6	48.0	-3.9	0.859	bb
4	210420H5_4	50.0	1.29	NO	22.68	0.870	1.20e6	1.32e6	50.8	1.7	0.908	bb
5	210420H5_5	50.0	1.29	NO	22.71	0.871	1.23e6	1.26e6	54.4	8.7	0.972	bb
6	210420H5_6	50.0	1.27	NO	22.68	0.870	1.10e6	1.24e6	49.6	-0.8	0.887	bb

Compound name: 13C6-Alpha-BHC
Response Factor: 0.249499
RRF SD: 0.0130567, Relative SD: 5.23314
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	210420H5_1	50.0	0.80	NO	23.23	0.891	3.87e5	1.58e6	49.0	-2.0	0.244	bb
2	210420H5_2	50.0	0.79	NO	23.23	0.891	7.69e5	3.27e6	47.2	-5.7	0.235	bb
3	210420H5_3	50.0	0.78	NO	23.23	0.891	5.89e5	2.46e6	48.0	-4.1	0.239	bb
4	210420H5_4	50.0	0.79	NO	23.23	0.891	3.37e5	1.32e6	51.0	1.9	0.254	bb
5	210420H5_5	50.0	0.80	NO	23.24	0.891	3.44e5	1.26e6	54.5	8.9	0.272	bb
6	210420H5_6	50.0	0.80	NO	23.23	0.891	3.12e5	1.24e6	50.5	1.0	0.252	bb

Compound name: 13C6-Lindane (gamma)
Response Factor: 0.189647
RRF SD: 0.00866734, Relative SD: 4.57024
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	210420H5_1	50.0	0.77	NO	26.57	1.020	2.96e5	1.58e6	49.2	-1.5	0.187	bb
2	210420H5_2	50.0	0.79	NO	26.57	1.019	5.89e5	3.27e6	47.5	-4.9	0.180	bb
3	210420H5_3	50.0	0.80	NO	26.57	1.020	4.55e5	2.46e6	48.8	-2.4	0.185	bb
4	210420H5_4	50.0	0.79	NO	26.57	1.020	2.56e5	1.32e6	51.0	2.0	0.193	bb
5	210420H5_5	50.0	0.78	NO	26.59	1.020	2.59e5	1.26e6	54.1	8.1	0.205	bb
6	210420H5_6	50.0	0.78	NO	26.57	1.020	2.32e5	1.24e6	49.4	-1.3	0.187	bb

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Compound name: 13C6-Beta-BHC
Response Factor: 0.130772
RRF SD: 0.00723362, Relative SD: 5.53148
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	210420H5_1	50.0	0.79	NO	28.59	1.097	2.06e5	1.58e6	49.7	-0.6	0.130	bb
2	210420H5_2	50.0	0.79	NO	28.59	1.097	4.07e5	3.27e6	47.6	-4.9	0.124	bb
3	210420H5_3	50.0	0.78	NO	28.59	1.097	3.11e5	2.46e6	48.3	-3.3	0.126	bb
4	210420H5_4	50.0	0.79	NO	28.59	1.097	1.75e5	1.32e6	50.4	0.8	0.132	bb
5	210420H5_5	50.0	0.75	NO	28.61	1.097	1.83e5	1.26e6	55.3	10.5	0.145	bd
6	210420H5_6	50.0	0.77	NO	28.60	1.097	1.58e5	1.24e6	48.7	-2.5	0.127	bb

Compound name: 13C6-Delta-BHC
Response Factor: 0.165218
RRF SD: 0.0123835, Relative SD: 7.49527
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	210420H5_1	50.0	0.78	NO	30.25	1.161	2.53e5	1.58e6	48.4	-3.2	0.160	bb
2	210420H5_2	50.0	0.80	NO	30.25	1.160	5.03e5	3.27e6	46.6	-6.8	0.154	bb
3	210420H5_3	50.0	0.78	NO	30.25	1.161	3.94e5	2.46e6	48.4	-3.2	0.160	bb
4	210420H5_4	50.0	0.78	NO	30.25	1.161	2.24e5	1.32e6	51.1	2.2	0.169	bd
5	210420H5_5	50.0	0.81	NO	30.27	1.161	2.38e5	1.26e6	57.1	14.1	0.189	bb
6	210420H5_6	50.0	0.79	NO	30.25	1.161	1.98e5	1.24e6	48.4	-3.2	0.160	bb

Compound name: 13C10-Heptachlor
Response Factor: 0.106401
RRF SD: 0.00793347, Relative SD: 7.45621
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	210420H5_1	50.0	1.35	NO	28.71	1.102	1.73e5	1.58e6	51.3	2.6	0.109	bb
2	210420H5_2	50.0	1.29	NO	28.71	1.101	3.42e5	3.27e6	49.1	-1.8	0.105	bd

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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	210420H5_3	50.0	1.30	NO	28.71	1.102	2.58e5	2.46e6	49.2	-1.6	0.105	bb
4	210420H5_4	50.0	1.29	NO	28.71	1.102	1.40e5	1.32e6	49.5	-0.9	0.105	bb
5	210420H5_5	50.0	1.30	NO	28.72	1.102	1.51e5	1.26e6	56.2	12.4	0.120	bb
6	210420H5_6	50.0	1.37	NO	28.71	1.102	1.18e5	1.24e6	44.7	-10.6	0.0951	bb

Compound name: 13C12-Aldrin
Response Factor: 0.152163
RRF SD: 0.00723545, Relative SD: 4.75505
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	210420H5_1	50.0	1.55	NO	30.79	1.181	2.62e5	1.58e6	54.3	8.7	0.165	bb
2	210420H5_2	50.0	1.53	NO	30.80	1.181	4.72e5	3.27e6	47.4	-5.1	0.144	bb
3	210420H5_3	50.0	1.55	NO	30.79	1.182	3.65e5	2.46e6	48.7	-2.6	0.148	bb
4	210420H5_4	50.0	1.62	NO	30.79	1.181	2.03e5	1.32e6	50.4	0.8	0.153	bb
5	210420H5_5	50.0	1.62	NO	30.80	1.181	1.93e5	1.26e6	50.1	0.2	0.153	bb
6	210420H5_6	50.0	1.58	NO	30.79	1.182	1.85e5	1.24e6	49.0	-2.0	0.149	bb

Compound name: 13C10-Oxychlordane
Response Factor: 0.0440861
RRF SD: 0.00255714, Relative SD: 5.80034
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	210420H5_1	50.0	1.55	NO	33.35	1.280	7.34e4	1.58e6	52.6	5.2	0.0464	bb
2	210420H5_2	50.0	1.56	NO	33.35	1.279	1.39e5	3.27e6	48.3	-3.3	0.0426	bb
3	210420H5_3	50.0	1.57	NO	33.35	1.280	1.06e5	2.46e6	48.7	-2.5	0.0430	bb
4	210420H5_4	50.0	1.63	NO	33.35	1.280	6.00e4	1.32e6	51.3	2.6	0.0453	bb
5	210420H5_5	50.0	1.60	NO	33.37	1.280	5.94e4	1.26e6	53.3	6.6	0.0470	bb
6	210420H5_6	50.0	1.59	NO	33.35	1.280	4.99e4	1.24e6	45.7	-8.6	0.0403	bb

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Compound name: 13C10-cis-Heptachlor Epoxide
Response Factor: 0.057409
RRF SD: 0.00211143, Relative SD: 3.67788
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	210420H5_1	50.0	1.58	NO	34.14	1.310	9.56e4	1.58e6	52.6	5.2	0.0604	bb
2	210420H5_2	50.0	1.58	NO	34.14	1.310	1.88e5	3.27e6	50.1	0.2	0.0575	bb
3	210420H5_3	50.0	1.63	NO	34.14	1.310	1.37e5	2.46e6	48.3	-3.3	0.0555	bb
4	210420H5_4	50.0	1.71	NO	34.14	1.310	7.35e4	1.32e6	48.3	-3.4	0.0554	bb
5	210420H5_5	50.0	1.61	NO	34.16	1.310	7.52e4	1.26e6	51.8	3.5	0.0594	bb
6	210420H5_6	50.0	1.61	NO	34.14	1.310	6.95e4	1.24e6	48.9	-2.2	0.0561	bb

Compound name: 13C10-trans-Chlordane (gamma)
Response Factor: 0.0389938
RRF SD: 0.00216762, Relative SD: 5.55888
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	210420H5_1	50.0	1.54	NO	35.03	1.344	6.56e4	1.58e6	53.2	6.3	0.0415	bd
2	210420H5_2	50.0	1.67	NO	35.05	1.344	1.25e5	3.27e6	48.9	-2.2	0.0381	bb
3	210420H5_3	50.0	1.66	NO	35.03	1.344	9.42e4	2.46e6	49.1	-1.9	0.0383	bd
4	210420H5_4	50.0	1.61	NO	35.03	1.344	5.06e4	1.32e6	49.0	-2.0	0.0382	bd
5	210420H5_5	50.0	1.71	NO	35.05	1.344	5.28e4	1.26e6	53.5	7.0	0.0417	bd
6	210420H5_6	50.0	1.54	NO	35.03	1.344	4.48e4	1.24e6	46.4	-7.3	0.0362	bb

Compound name: 13C10-trans-Nonachlor
Response Factor: 0.0771941
RRF SD: 0.00279016, Relative SD: 3.61447
Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	50.0	1.58	NO	35.22	0.983	7.40e4	9.19e5	52.2	4.4	0.0806	db
2	210420H5_2	50.0	1.60	NO	35.22	0.983	1.41e5	1.86e6	49.2	-1.7	0.0759	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	210420H5_3	50.0	1.60	NO	35.22	0.983	1.04e5	1.41e6	47.5	-4.9	0.0734	db
4	210420H5_4	50.0	1.62	NO	35.22	0.983	5.70e4	7.30e5	50.5	1.1	0.0780	db
5	210420H5_5	50.0	1.68	NO	35.24	0.983	5.85e4	7.33e5	51.7	3.5	0.0799	db
6	210420H5_6	50.0	1.59	NO	35.22	0.983	4.88e4	6.48e5	48.8	-2.4	0.0754	bb

Compound name: 13C9-Endosulfan I (alpha)
Response Factor: 0.0540932
RRF SD: 0.00788491, Relative SD: 14.5765
Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	50.0	1.58	NO	35.82	0.999	4.49e4	9.19e5	45.2	-9.7	0.0489	bb
2	210420H5_2	50.0	1.63	NO	35.82	0.999	9.10e4	1.86e6	45.3	-9.3	0.0490	bb
3	210420H5_3	50.0	1.53	NO	35.82	1.000	7.05e4	1.41e6	46.1	-7.8	0.0499	bb
4	210420H5_4	50.0	1.78	NO	35.82	1.000	4.11e4	7.30e5	52.1	4.1	0.0563	db
5	210420H5_5	50.0	1.89	NO	35.82	0.999	5.07e4	7.33e5	63.9	27.9	0.0692	dd
6	210420H5_6	50.0	1.62	NO	35.82	1.000	3.32e4	6.48e5	47.4	-5.2	0.0513	db

Compound name: 13C12-2,4'-DDE
Response Factor: 1.83959
RRF SD: 0.0455247, Relative SD: 2.47472
Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	50.0	1.58	NO	35.69	0.996	1.70e6	9.19e5	50.3	0.6	1.85	bb
2	210420H5_2	50.0	1.57	NO	35.69	0.996	3.31e6	1.86e6	48.5	-3.0	1.78	bb
3	210420H5_3	50.0	1.58	NO	35.67	0.996	2.52e6	1.41e6	48.4	-3.2	1.78	bb
4	210420H5_4	50.0	1.59	NO	35.69	0.996	1.37e6	7.30e5	50.9	1.7	1.87	dd
5	210420H5_5	50.0	1.59	NO	35.69	0.996	1.37e6	7.33e5	51.0	2.0	1.88	bb
6	210420H5_6	50.0	1.61	NO	35.67	0.996	1.21e6	6.48e5	51.0	2.0	1.88	bb

Dataset: U:\vg10.PRO\Results\210420H5\210420H5_CRV.qld

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Compound name: 13C12-4,4'-DDE
Response Factor: 1.30559
RRF SD: 0.0411217, Relative SD: 3.14967
Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	50.0	1.59	NO	36.76	1.025	1.24e6	9.19e5	51.6	3.3	1.35	bb
2	210420H5_2	50.0	1.58	NO	36.76	1.025	2.39e6	1.86e6	49.4	-1.2	1.29	bb
3	210420H5_3	50.0	1.60	NO	36.74	1.025	1.79e6	1.41e6	48.4	-3.2	1.26	bd
4	210420H5_4	50.0	1.57	NO	36.74	1.025	9.78e5	7.30e5	51.3	2.6	1.34	bd
5	210420H5_5	50.0	1.59	NO	36.75	1.025	9.79e5	7.33e5	51.2	2.4	1.34	bb
6	210420H5_6	50.0	1.61	NO	36.74	1.025	8.13e5	6.48e5	48.1	-3.9	1.26	bb

Compound name: 13C12-Dieldrin
Response Factor: 0.17716
RRF SD: 0.00549997, Relative SD: 3.10451
Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	50.0	1.60	NO	37.27	1.039	1.62e5	9.19e5	49.9	-0.3	0.177	bb
2	210420H5_2	50.0	1.56	NO	37.27	1.039	3.21e5	1.86e6	48.8	-2.4	0.173	bb
3	210420H5_3	50.0	1.55	NO	37.25	1.039	2.39e5	1.41e6	47.8	-4.4	0.169	bb
4	210420H5_4	50.0	1.61	NO	37.25	1.039	1.34e5	7.30e5	51.9	3.8	0.184	bd
5	210420H5_5	50.0	1.59	NO	37.27	1.039	1.34e5	7.33e5	51.4	2.9	0.182	bb
6	210420H5_6	50.0	1.58	NO	37.25	1.039	1.15e5	6.48e5	50.2	0.4	0.178	bb

Compound name: 13C12-Endrin
Response Factor: 0.0827786
RRF SD: 0.0156846, Relative SD: 18.9476
Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	50.0	1.61	NO	38.65	1.078	8.52e4	9.19e5	56.0	12.0	0.0927	bb
2	210420H5_2	50.0	1.64	NO	38.66	1.078	1.93e5	1.86e6	62.8	25.6	0.104	bd

Dataset: U:\vg10.PRO\Results\210420H5\210420H5_CRV.qld

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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	210420H5_3	50.0	1.56	NO	38.65	1.079	1.24e5	1.41e6	52.8	5.6	0.0874	bb
4	210420H5_4	50.0	1.54	NO	38.65	1.079	5.89e4	7.30e5	48.7	-2.6	0.0806	bb
5	210420H5_5	50.0	1.58	NO	38.66	1.078	5.33e4	7.33e5	44.0	-12.1	0.0728	bb
6	210420H5_6	50.0	1.48	NO	38.66	1.079	3.83e4	6.48e5	35.7	-28.5	0.0592	bb

Compound name: 13C10-cis-Nonachlor
Response Factor: 0.0907588
RRF SD: 0.00568362, Relative SD: 6.26234
Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	50.0	1.62	NO	38.93	1.086	8.85e4	9.19e5	53.1	6.1	0.0963	db
2	210420H5_2	50.0	1.52	NO	38.94	1.086	1.68e5	1.86e6	50.0	-0.0	0.0907	db
3	210420H5_3	50.0	1.56	NO	38.93	1.086	1.27e5	1.41e6	49.5	-1.0	0.0898	db
4	210420H5_4	50.0	1.57	NO	38.93	1.086	6.02e4	7.30e5	45.5	-9.1	0.0825	db
5	210420H5_5	50.0	1.71	NO	38.94	1.086	7.17e4	7.33e5	53.9	7.8	0.0978	db
6	210420H5_6	50.0	1.57	NO	38.93	1.086	5.66e4	6.48e5	48.1	-3.8	0.0873	db

Compound name: 13C9-Endosulfan II
Response Factor: 0.0298598
RRF SD: 0.00259705, Relative SD: 8.69749
Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	50.0	1.56	NO	39.67	1.107	2.69e4	9.19e5	49.0	-1.9	0.0293	bb
2	210420H5_2	50.0	1.56	NO	39.67	1.107	5.04e4	1.86e6	45.4	-9.1	0.0271	bb
3	210420H5_3	50.0	1.58	NO	39.67	1.107	4.02e4	1.41e6	47.7	-4.6	0.0285	bb
4	210420H5_4	50.0	1.66	NO	39.67	1.107	2.48e4	7.30e5	56.9	13.8	0.0340	bb
5	210420H5_5	50.0	2.09	YES	39.69	1.107	3.32e4	7.33e5	75.8	51.6	0.0453	MMX
6	210420H5_6	50.0	1.46	NO	39.67	1.107	1.97e4	6.48e5	50.9	1.8	0.0304	bb

Dataset: U:\vg10.PRO\Results\210420H5\210420H5_CRV.qld

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Compound name: 13C12-2,4'-DDD
Response Factor: 1.21438
RRF SD: 0.0844571, Relative SD: 6.95478
Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	50.0	1.53	NO	37.89	1.057	1.06e6	9.19e5	47.4	-5.2	1.15	bb
2	210420H5_2	50.0	1.55	NO	37.89	1.057	2.11e6	1.86e6	46.7	-6.5	1.14	bb
3	210420H5_3	50.0	1.56	NO	37.87	1.057	1.64e6	1.41e6	47.7	-4.7	1.16	bb
4	210420H5_4	50.0	1.57	NO	37.87	1.057	9.25e5	7.30e5	52.1	4.3	1.27	bb
5	210420H5_5	50.0	1.56	NO	37.89	1.057	9.92e5	7.33e5	55.7	11.5	1.35	bb
6	210420H5_6	50.0	1.61	NO	37.87	1.057	7.92e5	6.48e5	50.3	0.7	1.22	bb

Compound name: 13C12-2,4'-DDT
Response Factor: 0.661999
RRF SD: 0.0631618, Relative SD: 9.54107
Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	50.0	1.78	NO	39.00	1.088	5.60e5	9.19e5	46.1	-7.9	0.610	bd
2	210420H5_2	50.0	1.79	NO	39.00	1.088	1.15e6	1.86e6	46.8	-6.5	0.619	bd
3	210420H5_3	50.0	1.84	NO	39.00	1.088	9.28e5	1.41e6	49.6	-0.8	0.657	dd
4	210420H5_4	50.0	1.80	NO	39.00	1.088	4.90e5	7.30e5	50.7	1.3	0.671	bd
5	210420H5_5	50.0	1.79	NO	39.02	1.088	5.73e5	7.33e5	59.1	18.2	0.782	dd
6	210420H5_6	50.0	1.75	NO	39.00	1.088	4.10e5	6.48e5	47.8	-4.4	0.633	bd

Compound name: 13C12-4,4'-DDD
Response Factor: 0.949767
RRF SD: 0.0658139, Relative SD: 6.92947
Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	50.0	1.57	NO	39.14	1.092	8.29e5	9.19e5	47.5	-5.0	0.902	db
2	210420H5_2	50.0	1.57	NO	39.14	1.092	1.69e6	1.86e6	48.0	-4.0	0.912	db

Dataset: U:\vg10.PRO\Results\210420H5\210420H5_CRV.qld

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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	210420H5_3	50.0	1.56	NO	39.13	1.092	1.30e6	1.41e6	48.5	-3.1	0.920	db
4	210420H5_4	50.0	1.55	NO	39.13	1.092	7.38e5	7.30e5	53.2	6.4	1.01	db
5	210420H5_5	50.0	1.59	NO	39.15	1.092	7.72e5	7.33e5	55.5	11.0	1.05	db
6	210420H5_6	50.0	1.60	NO	39.12	1.092	5.83e5	6.48e5	47.4	-5.3	0.900	db

Compound name: 13C12-4,4'-DDT
Response Factor: 0.454584
RRF SD: 0.0419801, Relative SD: 9.23485
Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	50.0	1.61	NO	40.19	1.121	3.98e5	9.19e5	47.6	-4.8	0.433	db
2	210420H5_2	50.0	1.59	NO	40.19	1.121	8.32e5	1.86e6	49.3	-1.4	0.448	db
3	210420H5_3	50.0	1.62	NO	40.19	1.122	6.35e5	1.41e6	49.4	-1.2	0.449	db
4	210420H5_4	50.0	1.60	NO	40.19	1.122	3.65e5	7.30e5	54.9	9.8	0.499	bb
5	210420H5_5	50.0	1.62	NO	40.21	1.122	3.70e5	7.33e5	55.5	11.0	0.505	bb
6	210420H5_6	50.0	1.61	NO	40.19	1.122	2.55e5	6.48e5	43.3	-13.5	0.393	db

Compound name: 13C9-Endosulfan Sulfate
Response Factor: 0.0363159
RRF SD: 0.00227657, Relative SD: 6.26879
Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	50.0	1.56	NO	41.38	1.154	3.51e4	9.19e5	52.6	5.2	0.0382	db
2	210420H5_2	50.0	1.67	NO	41.38	1.154	6.89e4	1.86e6	51.1	2.2	0.0371	db
3	210420H5_3	50.0	1.54	NO	41.38	1.155	5.01e4	1.41e6	48.8	-2.4	0.0355	bd
4	210420H5_4	50.0	1.82	NO	41.38	1.155	2.78e4	7.30e5	52.5	5.0	0.0381	bb
5	210420H5_5	50.0	1.54	NO	41.40	1.155	2.70e4	7.33e5	50.7	1.5	0.0368	bb
6	210420H5_6	50.0	1.46	NO	41.38	1.155	2.08e4	6.48e5	44.3	-11.5	0.0321	bb

Dataset: U:\vg10.PRO\Results\210420H5\210420H5_CRV.qld

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Compound name: 13C12-Methoxychlor
Response Factor: 0.432533
RRF SD: 0.0635513, Relative SD: 14.6928
Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRF	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	500	12.90	NO	43.24	1.206	4.44e6	9.19e5	559	11.8	0.483	db
2	210420H5_2	500	13.00	NO	43.24	1.206	8.73e6	1.86e6	544	8.8	0.471	db
3	210420H5_3	500	13.31	NO	43.24	1.207	6.15e6	1.41e6	503	0.6	0.435	db
4	210420H5_4	500	13.80	NO	43.24	1.207	3.57e6	7.30e5	566	13.1	0.489	db
5	210420H5_5	500	15.52	NO	43.24	1.206	2.85e6	7.33e5	450	-9.9	0.390	db
6	210420H5_6	500	14.04	NO	43.22	1.206	2.12e6	6.48e5	378	-24.3	0.327	bb

Compound name: 13C10-Mirex
Response Factor: 0.302372
RRF SD: 0.0503168, Relative SD: 16.6407
Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRF	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	50.0	1.59	NO	43.84	1.223	3.33e5	9.19e5	60.0	19.9	0.363	bd
2	210420H5_2	50.0	1.61	NO	43.84	1.223	5.90e5	1.86e6	52.6	5.1	0.318	dd
3	210420H5_3	50.0	1.60	NO	43.83	1.223	4.19e5	1.41e6	49.1	-1.9	0.297	bd
4	210420H5_4	50.0	1.57	NO	43.83	1.223	2.54e5	7.30e5	57.5	14.9	0.348	bd
5	210420H5_5	50.0	1.67	NO	43.85	1.223	1.84e5	7.33e5	41.5	-17.0	0.251	bd
6	210420H5_6	50.0	1.59	NO	43.83	1.223	1.54e5	6.48e5	39.4	-21.1	0.238	bd

Compound name: 13C12-Endrin Aldehyde
Response Factor: 0.0457
RRF SD: 0.00162737, Relative SD: 3.56099
Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRF	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	500	0.33	NO	40.78	1.138	4.06e5	9.19e5	484	-3.3	0.0442	MM
2	210420H5_2	500	0.35	NO	40.78	1.138	8.47e5	1.86e6	499	-0.1	0.0456	MM

Dataset: U:\vg10.PRO\Results\210420H5\210420H5_CRV.qld

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Compound name: 13C12-Endrin Aldehyde

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210420H5_3	500	0.35	NO	40.78	1.138	6.30e5	1.41e6	488	-2.4	0.0446	MM
4	210420H5_4	500	0.37	NO	40.78	1.138	3.53e5	7.30e5	528	5.7	0.0483	MM
5	210420H5_5	500	0.39	NO	40.80	1.138	3.44e5	7.33e5	514	2.8	0.0470	MM
6	210420H5_6	500	0.36	NO	40.78	1.138	2.88e5	6.48e5	487	-2.7	0.0445	MM

Compound name: 13C12-Endrin Ketone
Response Factor: 0.0360233
RRF SD: 0.00342716, Relative SD: 9.51373
Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	500	0.34	NO	43.98	1.227	3.65e5	9.19e5	551	10.2	0.0397	bb
2	210420H5_2	500	0.35	NO	43.98	1.227	6.96e5	1.86e6	520	4.1	0.0375	bb
3	210420H5_3	500	0.36	NO	43.98	1.227	5.07e5	1.41e6	498	-0.5	0.0359	bb
4	210420H5_4	500	0.36	NO	43.98	1.227	2.85e5	7.30e5	543	8.5	0.0391	bb
5	210420H5_5	500	0.37	NO	43.98	1.227	2.39e5	7.33e5	453	-9.4	0.0326	db
6	210420H5_6	500	0.38	NO	43.96	1.227	2.03e5	6.48e5	435	-13.0	0.0313	db

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	210420H5_1	50.0	1.54	NO	26.06	1.000	1.58e6	1.58e6	50.0	0.0	1.00	bb
2	210420H5_2	50.0	1.55	NO	26.07	1.000	3.27e6	3.27e6	50.0	0.0	1.00	bd
3	210420H5_3	50.0	1.56	NO	26.06	1.000	2.46e6	2.46e6	50.0	0.0	1.00	bd
4	210420H5_4	50.0	1.57	NO	26.06	1.000	1.32e6	1.32e6	50.0	0.0	1.00	bb
5	210420H5_5	50.0	1.57	NO	26.07	1.000	1.26e6	1.26e6	50.0	0.0	1.00	bb
6	210420H5_6	50.0	1.57	NO	26.06	1.000	1.24e6	1.24e6	50.0	0.0	1.00	bb

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Dataset: U:\vg10.PRO\Results\210420H5\210420H5_CRV.qld

Last Altered: Wednesday, April 21, 2021 10:38:29 Pacific Daylight Time
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Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Compound name: 13C-PCB-60
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	50.0	0.77	NO	35.85	1.000	9.19e5	9.19e5	50.0	0.0	1.00	bb
2	210420H5_2	50.0	0.79	NO	35.85	1.000	1.86e6	1.86e6	50.0	0.0	1.00	bb
3	210420H5_3	50.0	0.78	NO	35.83	1.000	1.41e6	1.41e6	50.0	0.0	1.00	bb
4	210420H5_4	50.0	0.78	NO	35.83	1.000	7.30e5	7.30e5	50.0	0.0	1.00	bd
5	210420H5_5	50.0	0.78	NO	35.85	1.000	7.33e5	7.33e5	50.0	0.0	1.00	bb
6	210420H5_6	50.0	0.79	NO	35.83	1.000	6.48e5	6.48e5	50.0	0.0	1.00	bd

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Dataset: Untitled

Last Altered: Wednesday, April 21, 2021 11:18:37 Pacific Daylight Time
Printed: Wednesday, April 21, 2021 11:19:12 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

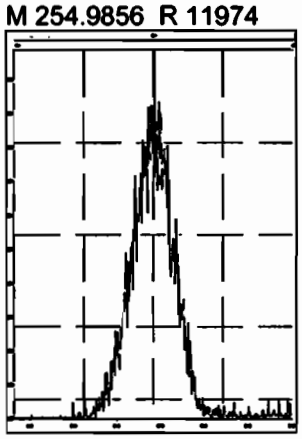
Compound name: Hexachlorobutadiene

	Name	ID	Acq.Date	Acq.Time
1	210420H5_1	ST210420H5_1 1699 CS1 21D0901	20-Apr-21	18:15:12
2	210420H5_2	ST210420H5_2 1699 CS2 20B2102	20-Apr-21	19:02:05
3	210420H5_3	ST210420H5_3 1699 CS3.5 20B2104	20-Apr-21	19:50:22
4	210420H5_4	ST210420H5_4 1699 CS4 21D0902	20-Apr-21	20:38:48
5	210420H5_5	ST210420H5_5 1699 CS5 21D0903	20-Apr-21	21:27:08
6	210420H5_6	ST210420H5_6 1699 CS3 21C0402	20-Apr-21	22:15:33
7	210420H5_7	SS210420H5_1 1699 SS 20B2107	20-Apr-21	23:03:52
8	210420H5_8	GC210420H5_1 GC BREAK	20-Apr-21	23:52:13
9	210420H5_9	SOLVENT BLANK	21-Apr-21	00:48:44
10	210420H5_10	B1D0080-BS4 OPR 1	21-Apr-21	01:35:34
11	210420H5_11	SOLVENT BLANK	21-Apr-21	02:23:56
12	210420H5_12	2104002-04 USMPDI-077SS-210330 1.76	21-Apr-21	03:12:19
13	210420H5_13	B1D0071-DUP2 Duplicate 2.16	21-Apr-21	04:00:40
14	210420H5_14	2103216-11RE1@5X USMPDI-064RAB-00-10...	21-Apr-21	04:49:01
15	210420H5_15	2103216-02RE1@10X USMPDI-058RAB-10-2...	21-Apr-21	05:37:22
16	210420H5_16	2103219-01@5X USMPDI-068RAB-00-10-210...	21-Apr-21	06:25:44
17	210420H5_17	2103219-04 @5X USMPDI-069RAB-00-10-21...	21-Apr-21	07:14:04

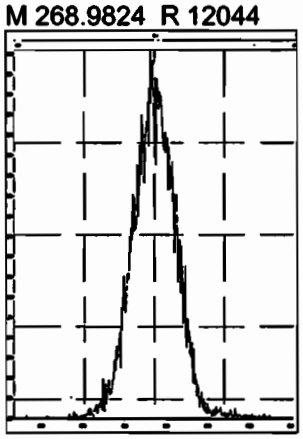
File: Experiment: 1699_zb50_10k.exp Reference: Pfk.ref Function: 1 @ 250 (ppm)

Printed: Tuesday, April 20, 2021 18:10:55 Pacific Daylight Time

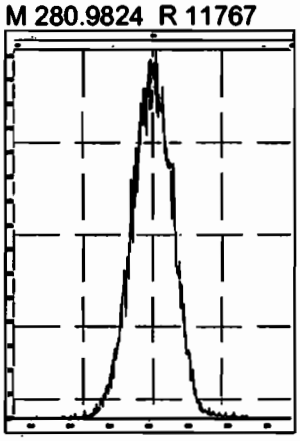
M 254.9856 R 11974



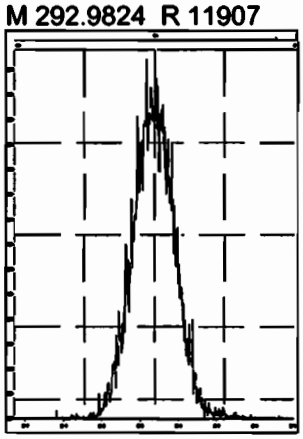
M 268.9824 R 12044



M 280.9824 R 11767



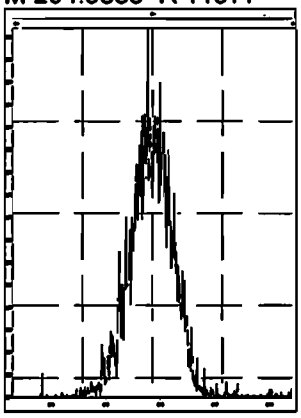
M 292.9824 R 11907



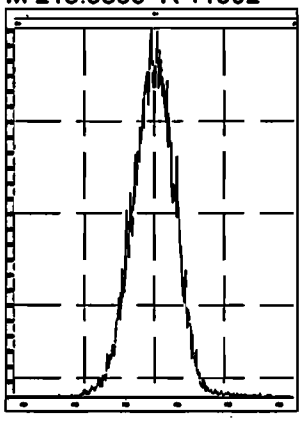
File: Experiment: 1699_zb50_10k.exp Reference: Pfk.ref Function: 2 @ 250 (ppm)

Printed: Tuesday, April 20, 2021 18:11:15 Pacific Daylight Time

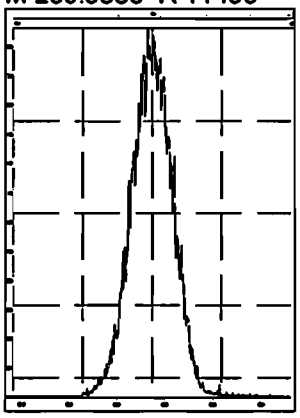
M 204.9888 R 11977



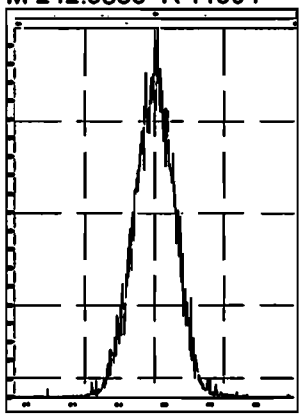
M 218.9856 R 11902



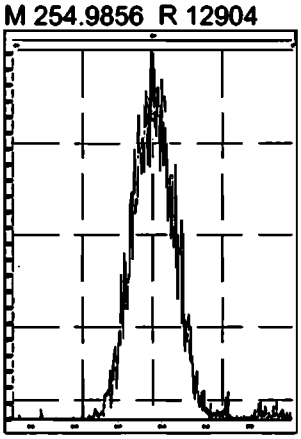
M 230.9856 R 11493



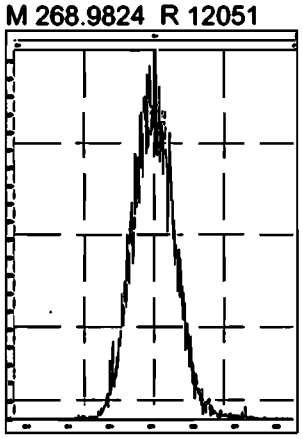
M 242.9856 R 11904



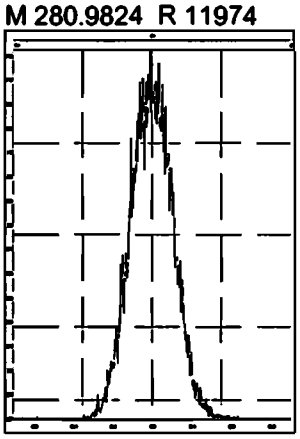
M 254.9856 R 12904



M 268.9824 R 12051



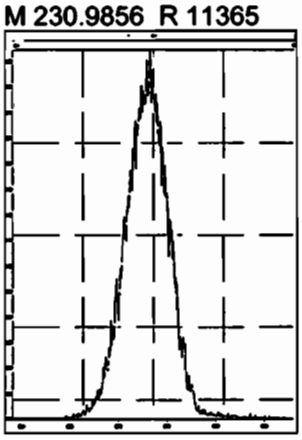
M 280.9824 R 11974



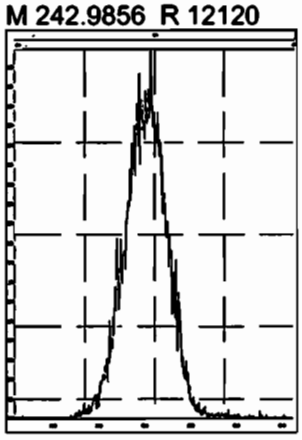
File: Experiment: 1699_zb50_10k.exp Reference: Pfk.ref Function: 4 @ 250 (ppm)

Printed: Tuesday, April 20, 2021 18:12:02 Pacific Daylight Time

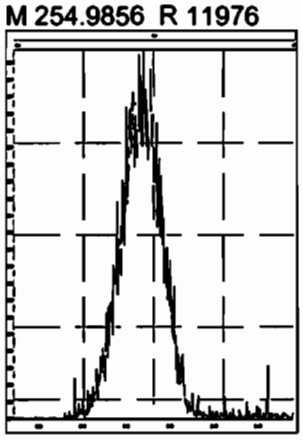
M 230.9856 R 11365



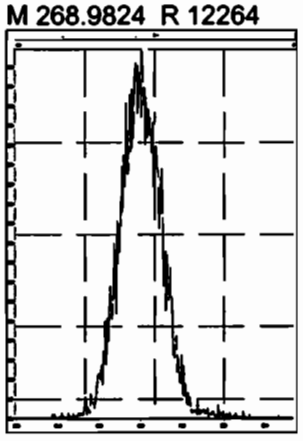
M 242.9856 R 12120



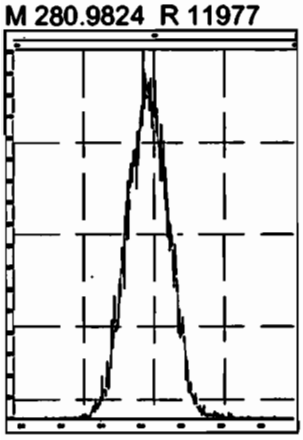
M 254.9856 R 11976



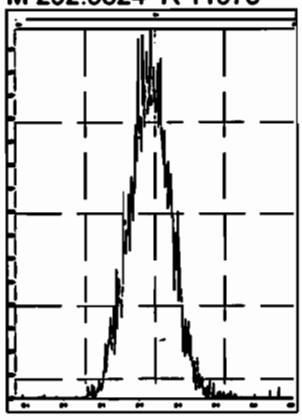
M 268.9824 R 12264



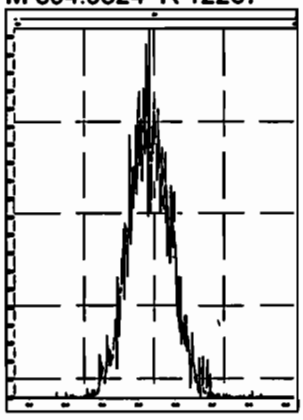
M 280.9824 R 11977



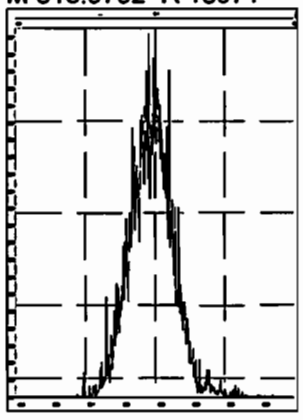
M 292.9824 R 11978



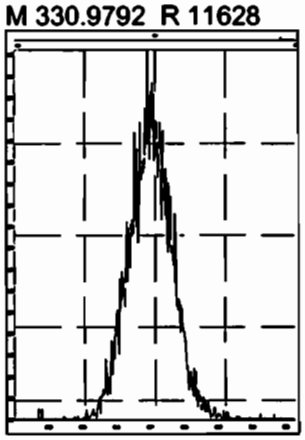
M 304.9824 R 12267



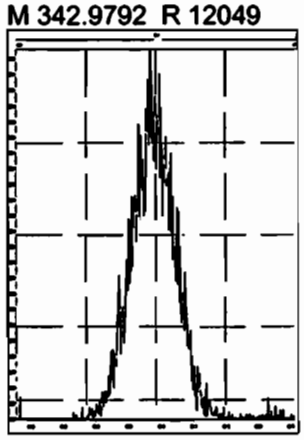
M 318.9792 R 13071



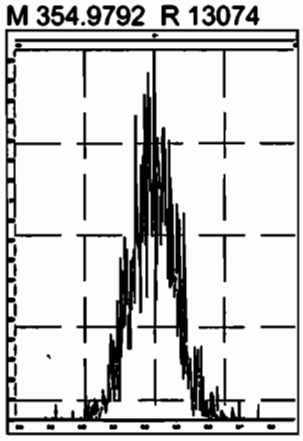
M 330.9792 R 11628



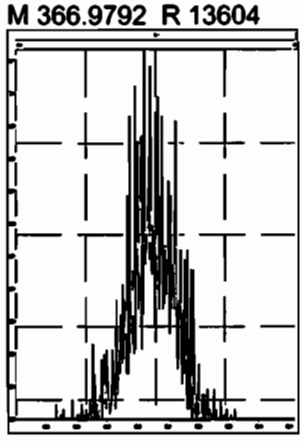
M 342.9792 R 12049



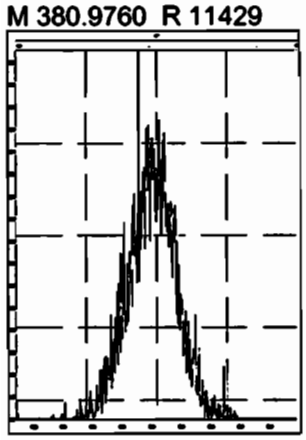
M 354.9792 R 13074



M 366.9792 R 13604



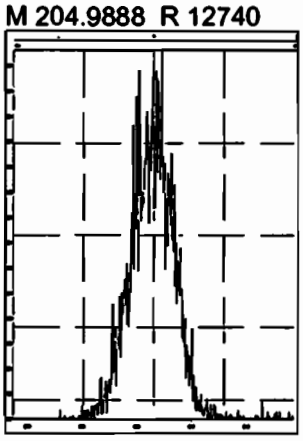
M 380.9760 R 11429



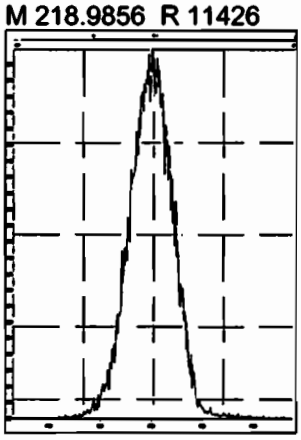
File: Experiment: 1699_zb50_10k.exp Reference: Pfk.ref Function: 3 @ 250 (ppm)

Printed: Tuesday, April 20, 2021 18:11:42 Pacific Daylight Time

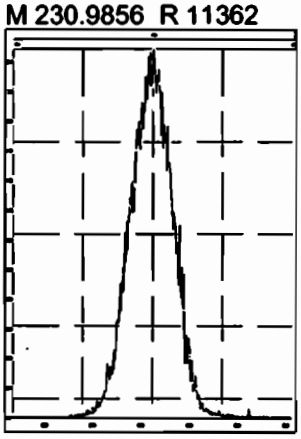
M 204.9888 R 12740



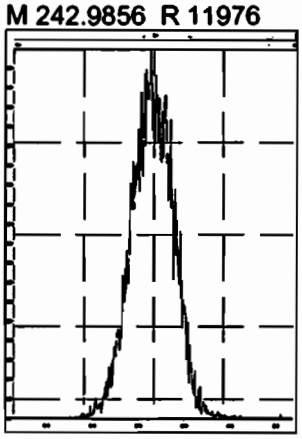
M 218.9856 R 11426



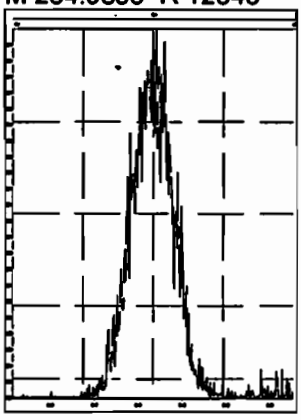
M 230.9856 R 11362



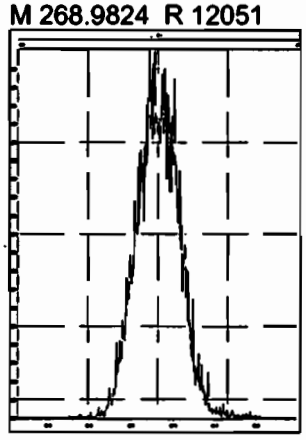
M 242.9856 R 11976



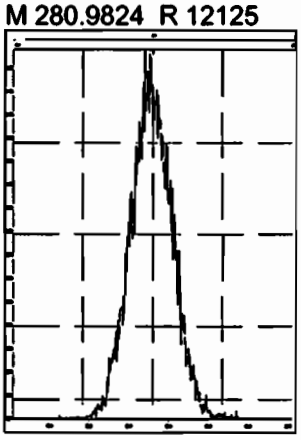
M 254.9856 R 12343



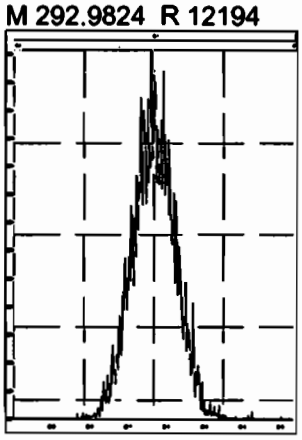
M 268.9824 R 12051



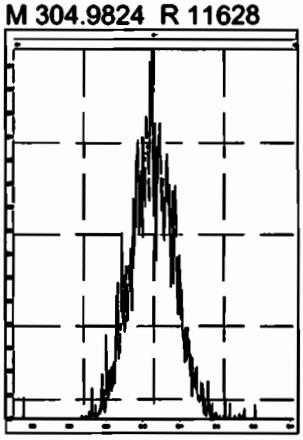
M 280.9824 R 12125



M 292.9824 R 12194



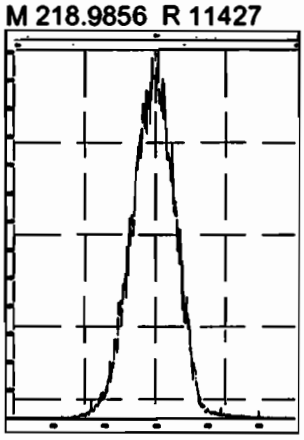
M 304.9824 R 11628



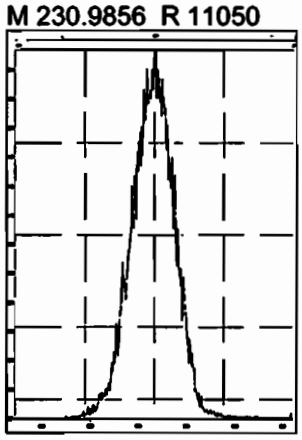
File: Experiment: 1699_zb50_10k.exp Reference: Pfk.ref Function: 5 @ 250 (ppm)

Printed: Tuesday, April 20, 2021 18:12:20 Pacific Daylight Time

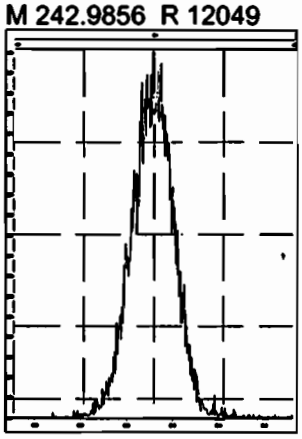
M 218.9856 R 11427



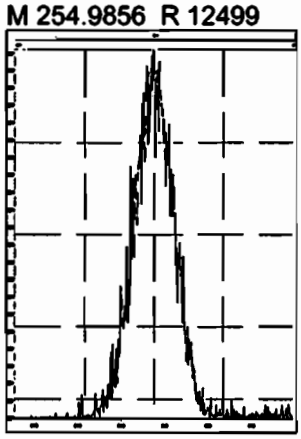
M 230.9856 R 11050



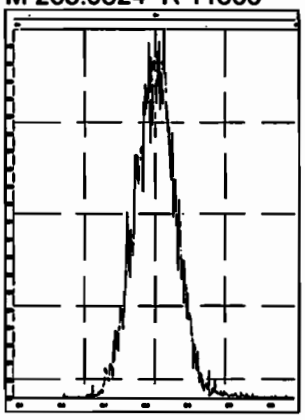
M 242.9856 R 12049



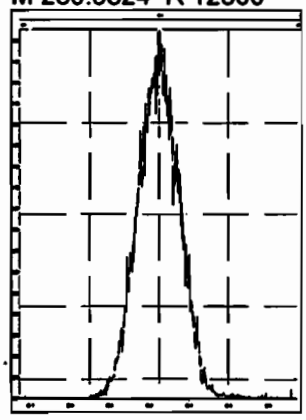
M 254.9856 R 12499



M 268.9824 R 11833



M 280.9824 R 12500



Vista Analytical Laboratory VG-10

Dataset: U:\vg10.PRO\Results\210420H5\210420H5_8.qld

Last Altered: Wednesday, April 21, 2021 11:17:05 Pacific Daylight Time
Printed: Wednesday, April 21, 2021 11:22:10 Pacific Daylight Time

DF 04/21/21

HN 04/21/21

Method: U:\vg10.PRO\MethDB\1699_GC-break.mdb 13 Apr 2021 10:33:50
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210420H5_8, Date: 20-Apr-2021, Time: 23:52:13, ID: GC210420H5_1 GC BREAK, Description: GC BREAK

	#	Name	Resp	RA	n/y	RT
1	1	Endrin Aldehyde	1.06e4	0.64	NO	40.81
2	2	Endrin Ketone	6.29e3	0.52	NO	44.01
3	3	Endrin	9.16e4	1.80	NO	38.69
4	4	4,4'-DDE	5.42e3	0.83	YES	36.77
5	5	4,4'-DDD	3.66e4	1.45	NO	39.15
6	6	4,4'-DDT	1.30e6	1.53	NO	40.22

$\frac{\Sigma A + \Sigma K}{E} \times 100\% = 18.4\%$

$\frac{DDE + DDD}{DDT} \times 100\% = 3.23\%$

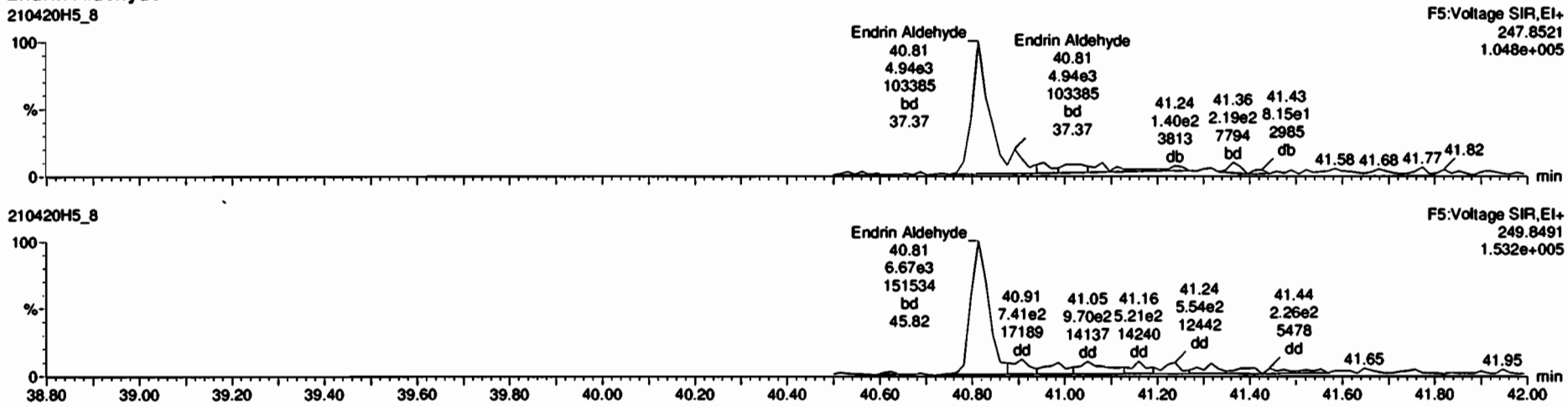
Dataset: Untitled

Last Altered: Wednesday, April 21, 2021 11:13:34 Pacific Daylight Time
Printed: Wednesday, April 21, 2021 11:14:19 Pacific Daylight Time

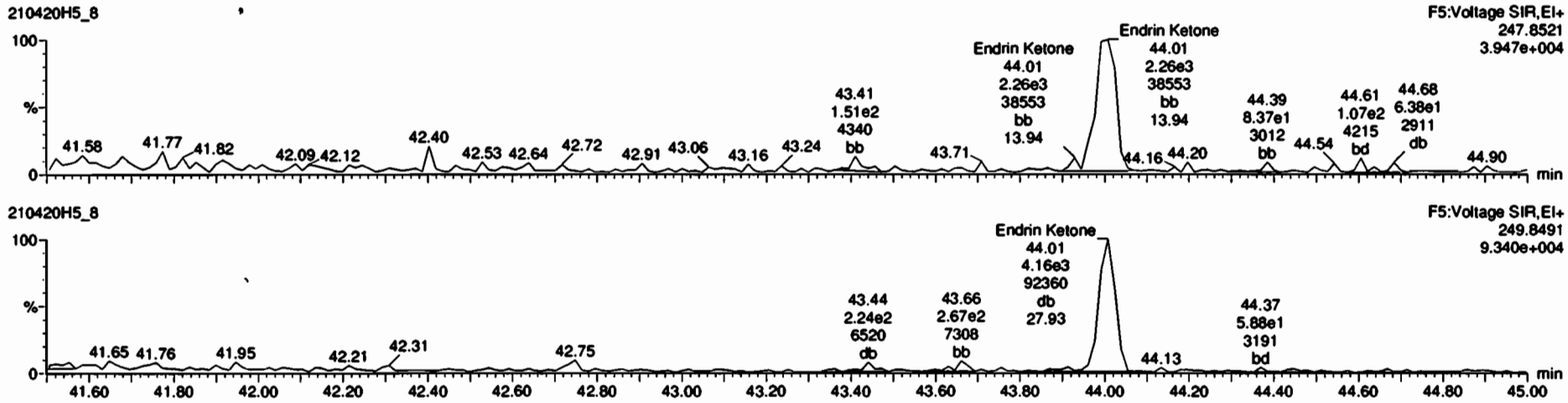
Method: U:\vg10.PRO\MethDB\1699_GC-break.mdb 13 Apr 2021 10:33:50
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

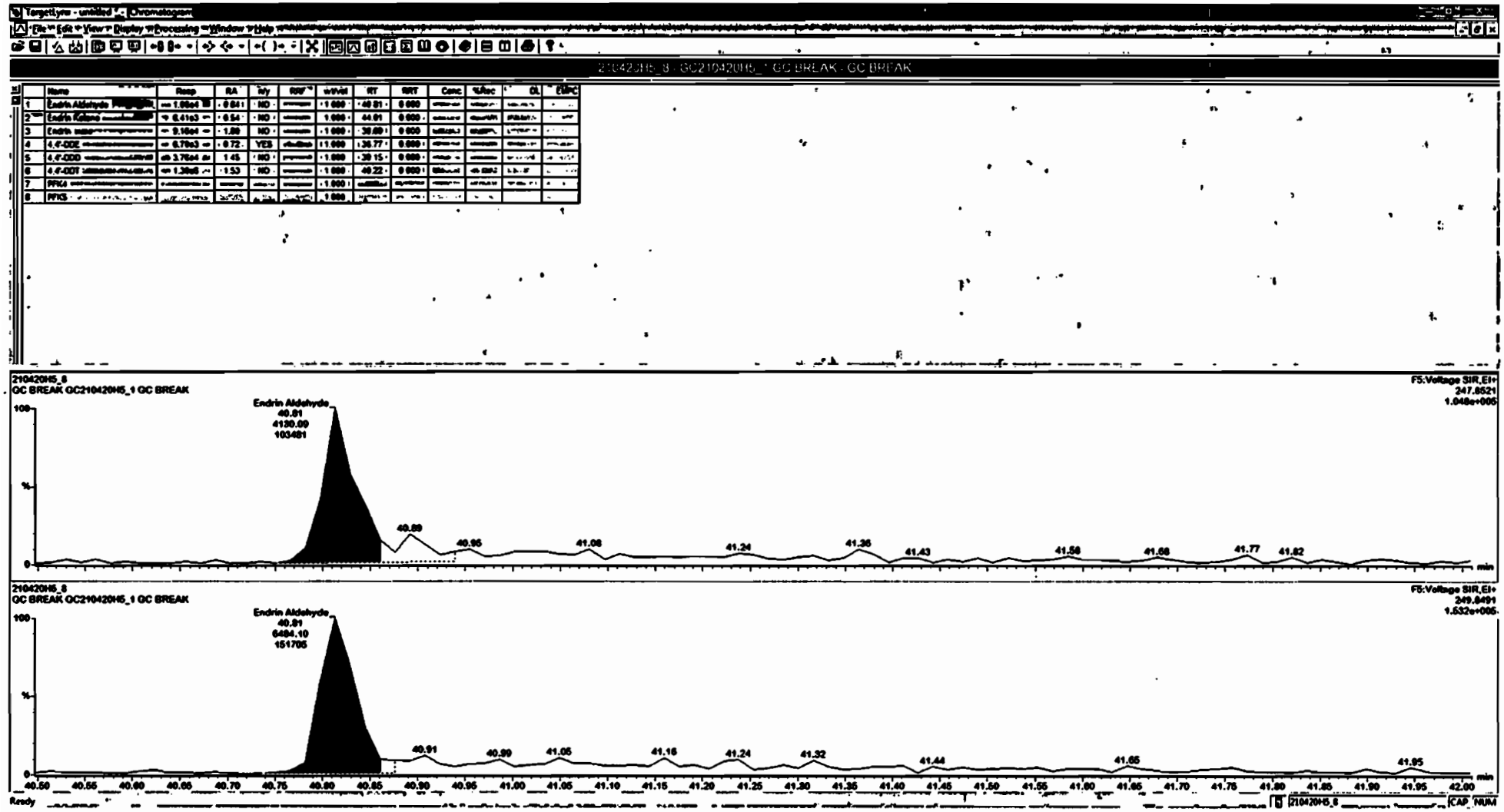
Name: 210420H5_8, Date: 20-Apr-2021, Time: 23:52:13, ID: GC210420H5_1 GC BREAK, Description: GC BREAK

Endrin Aldehyde

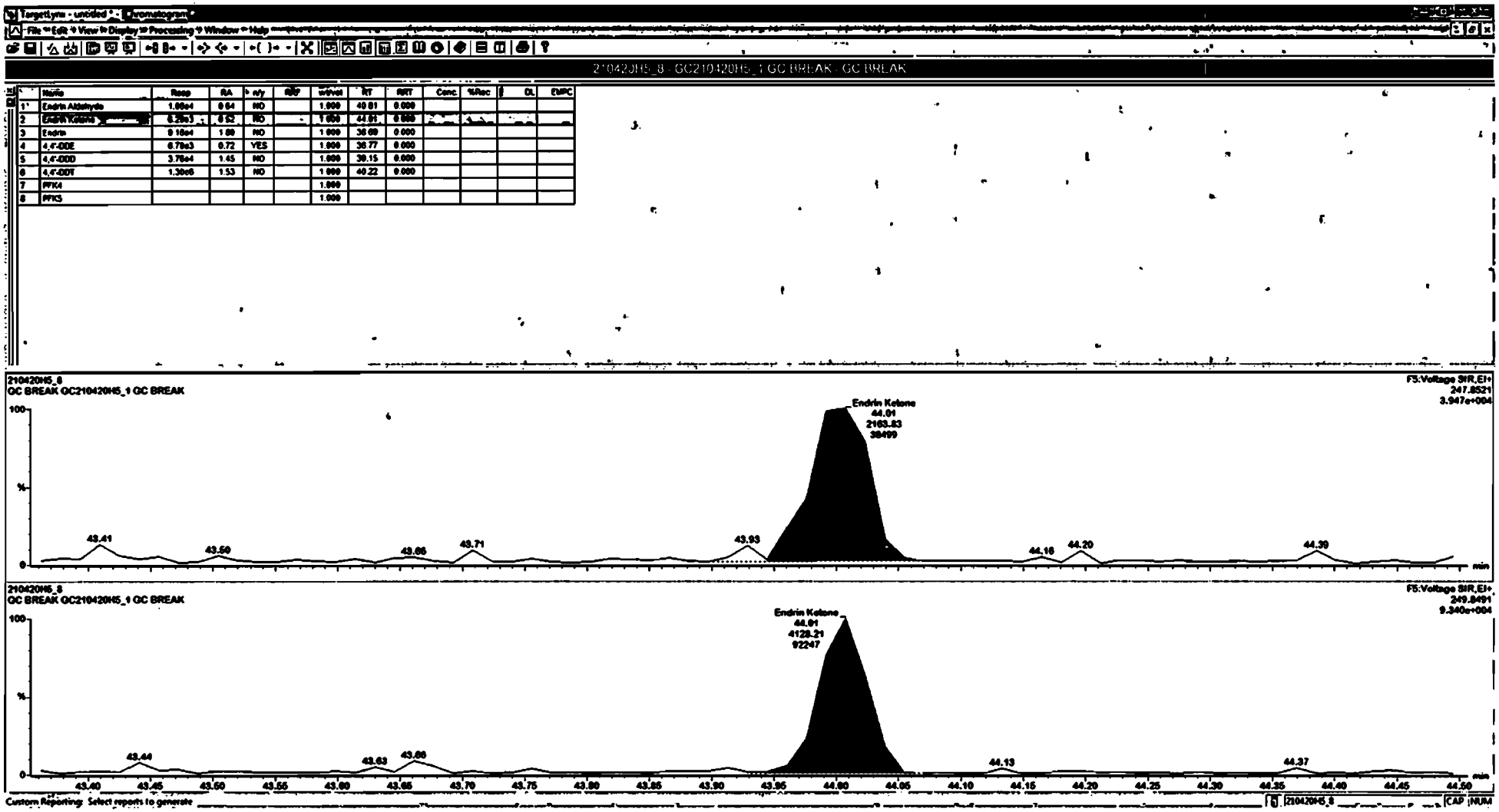


Endrin Ketone





210420H5_8 - GC210420H5_1 GC BREAK - GC BREAK
Name
Resp
RA
Ny
RRF
wt/vol
RT
RRT
Conc
%Rec
DL
EMPC
Endrin Aldehyde
Endrin Ketone
4,4'-DDE
4,4'-DDD
4,4'-DDT
PFK4
PFK5
210420H5_8
GC BREAK GC210420H5_1 GC BREAK
F5:Voltage SIR,EI+
247.8521
1.048e+005
Endrin Aldehyde
40.81
4130.09
103481
40.89
40.95
41.08
41.24
41.36
41.43
41.58
41.68
41.77
41.82
min
210420H5_8
GC BREAK GC210420H5_1 GC BREAK
F5:Voltage SIR,EI+
249.8491
1.532e+005
Endrin Aldehyde
40.81
6484.10
151705
40.91
40.99
41.05
41.16
41.24
41.32
41.44
41.65
41.95
min
Ready
210420H5_8
CAP NUM

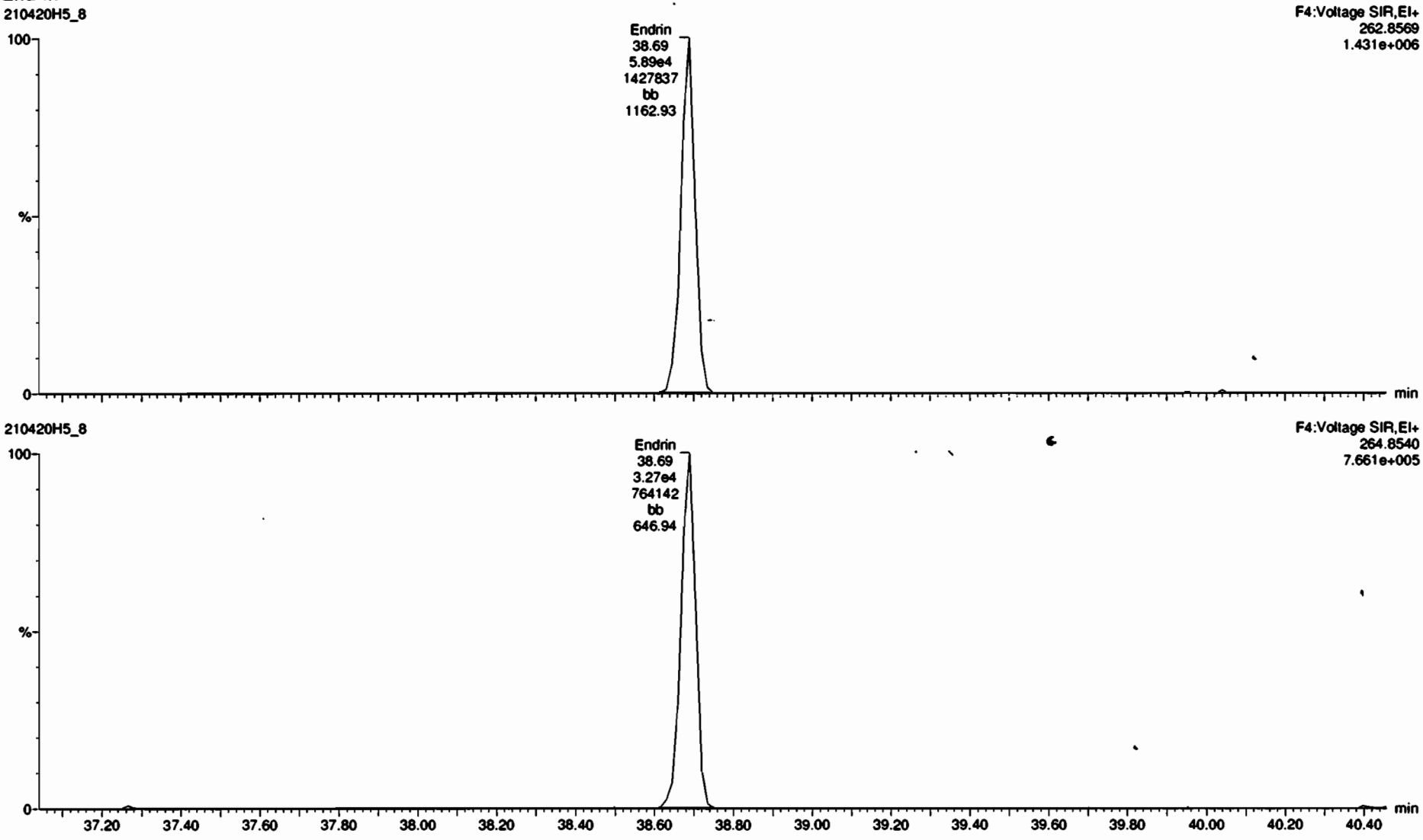

Endrin Ketone
44.01
2163.83
38499
43.41
43.50
43.66
43.71
43.93
44.16
44.20
44.39
Endrin Ketone
44.01
4128.21
92247
43.44
43.63
43.66
44.13
44.37

Dataset: Untitled

Last Altered: Wednesday, April 21, 2021 11:13:34 Pacific Daylight Time
Printed: Wednesday, April 21, 2021 11:14:19 Pacific Daylight Time

Name: 210420H5_8, Date: 20-Apr-2021, Time: 23:52:13, ID: GC210420H5_1 GC BREAK, Description: GC BREAK

Endrin

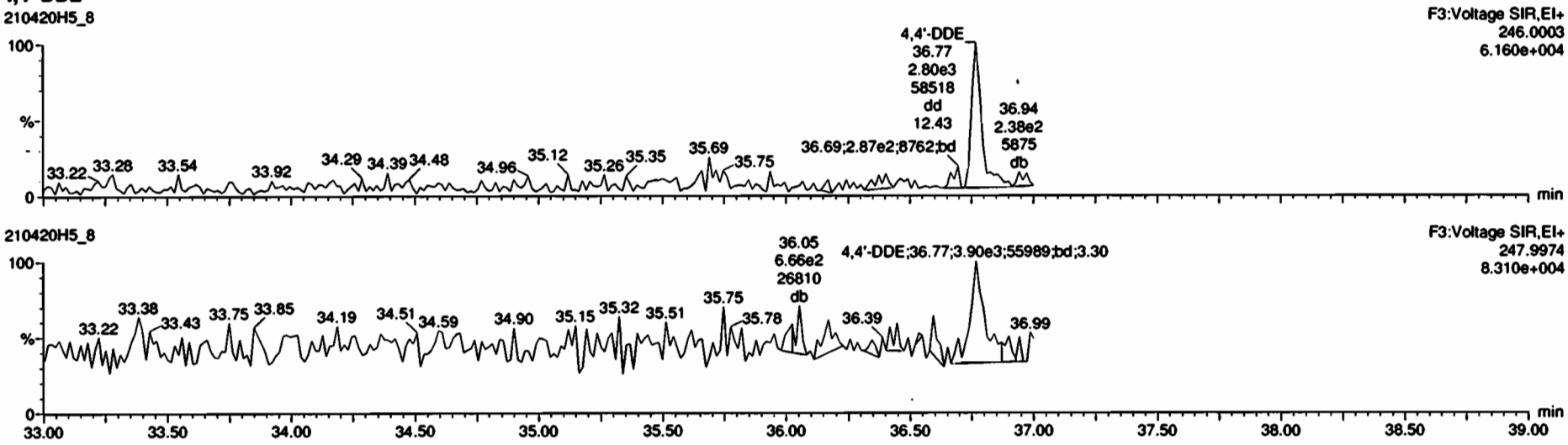


Dataset: Untitled

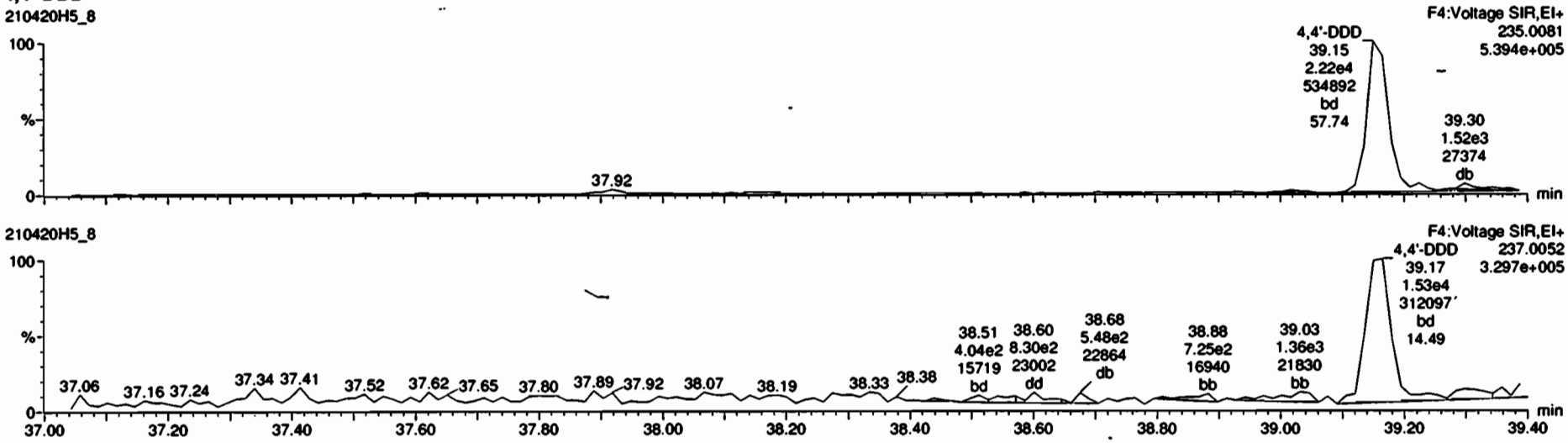
Last Altered: Wednesday, April 21, 2021 11:13:34 Pacific Daylight Time
Printed: Wednesday, April 21, 2021 11:14:19 Pacific Daylight Time

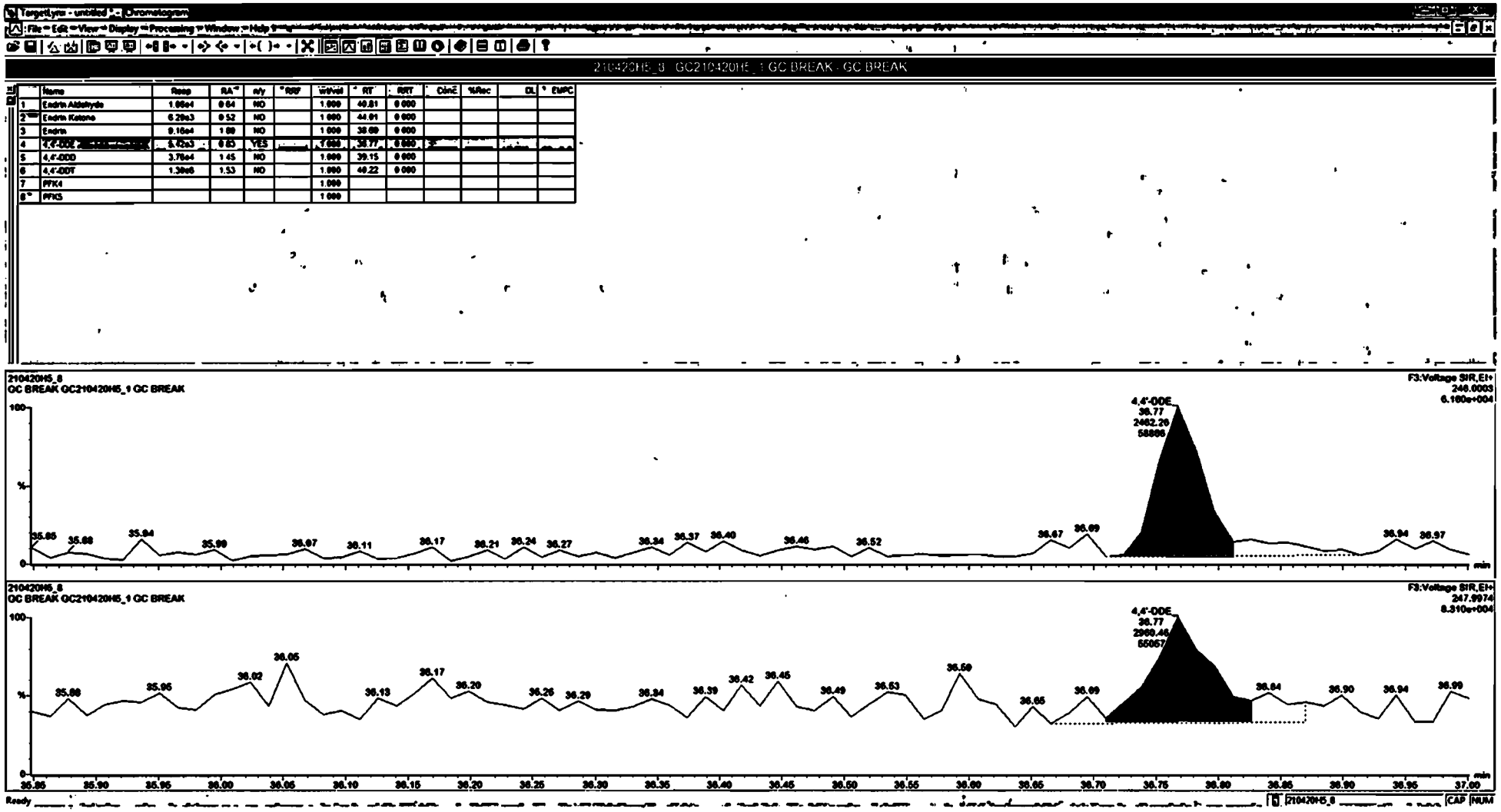
Name: 210420H5_8, Date: 20-Apr-2021, Time: 23:52:13, ID: GC210420H5_1 GC BREAK, Description: GC BREAK

4,4'-DDE



4,4'-DDD



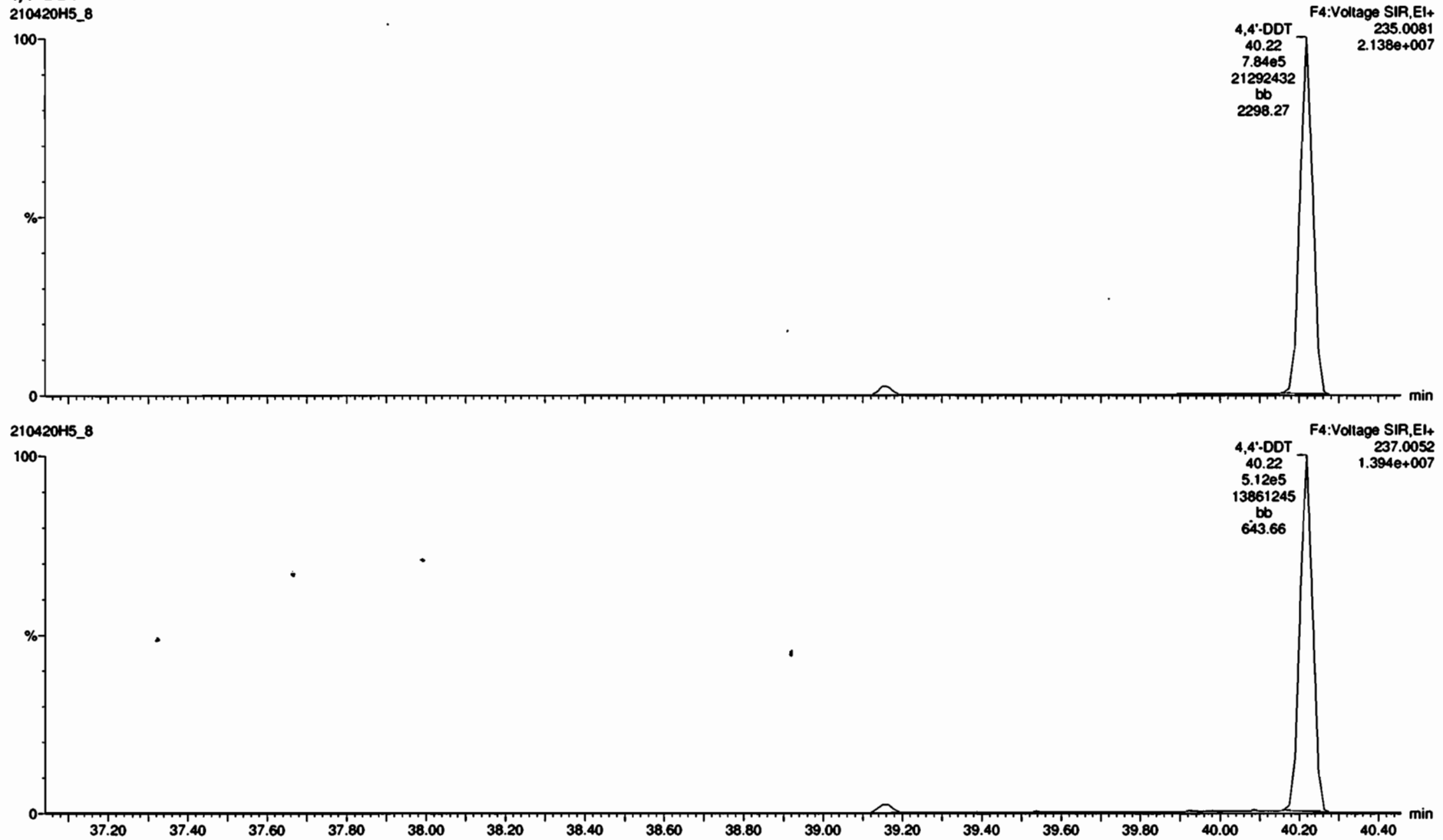

TargetLynx - untitled - Chromatogram
File Edit View Display Processing Window Help
210420H5_8 GC210420H5_1 GC BREAK - GC BREAK
Name
Endrin Aldehyde
Endrin Ketone
Endrin
4,4'-DDE
4,4'-DDD
4,4'-DDT
PFK4
PFK5
210420H5_8
GC BREAK GC210420H5_1 GC BREAK
F3:Voltage SIR,EI+
246.0003
6.160e+004
4,4'-DDE
36.77
2462.26
58806
210420H5_8
GC BREAK GC210420H5_1 GC BREAK
F3:Voltage SIR,EI+
247.9974
8.310e+004
4,4'-DDE
36.77
2960.46
55057
min
Ready
CAP NUM

Dataset: Untitled

Last Altered: Wednesday, April 21, 2021 11:13:34 Pacific Daylight Time
Printed: Wednesday, April 21, 2021 11:14:19 Pacific Daylight Time

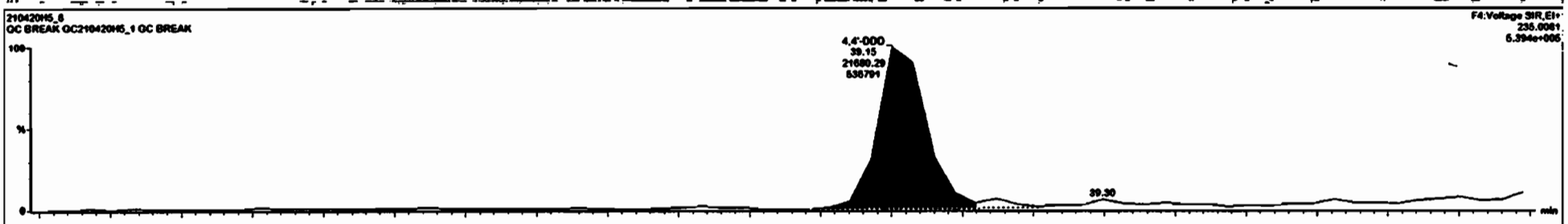
Name: 210420H5_8, Date: 20-Apr-2021, Time: 23:52:13, ID: GC210420H5_1 GC BREAK, Description: GC BREAK

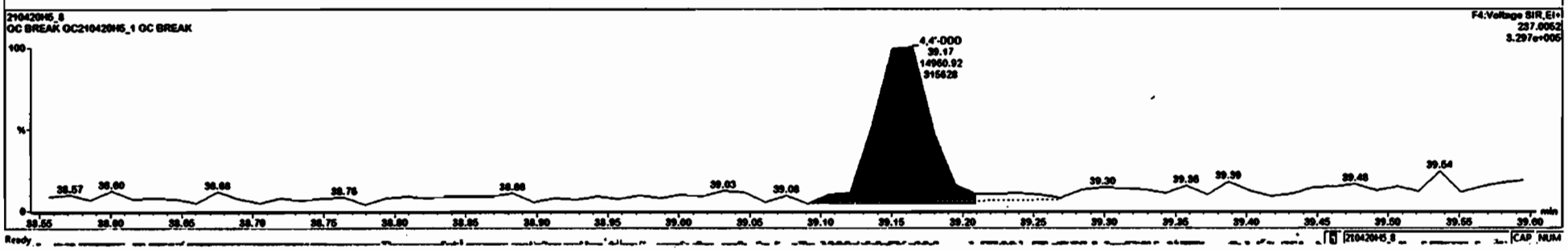
4,4'-DDT



210420H5_8 - GC210420H5_1 GC BREAK - GC BREAK

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
1	Endrin Aldehyde	1.06e4	0.64	NO		1.000	40.81	0.000				
2	Endrin Ketone	6.29e3	0.52	NO		1.000	44.01	0.000				
3	Endrin	9.16e4	1.80	NO		1.000	38.69	0.000				
4	4,4'-DDE	5.42e3	0.83	YES		1.000	36.77	0.000				
5	4,4'-DDD	3.66e4	1.45	NO		1.000	39.15	0.000				
6	4,4'-DDT	1.38e6	1.53	NO		1.000	40.22	0.000				
7	PFK4					1.000						
8	PFK5					1.000						





Ready

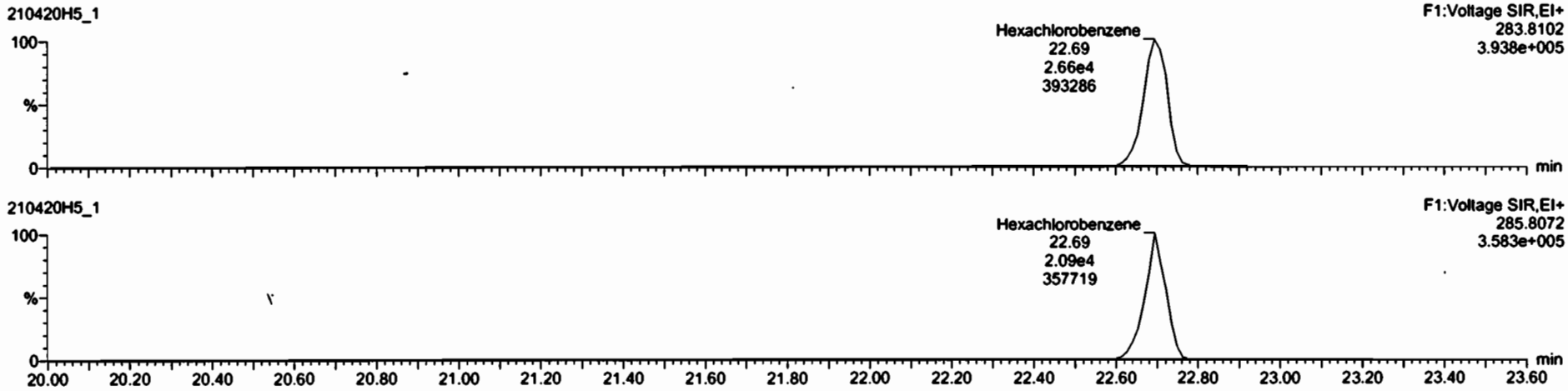
Dataset: Untitled

Last Altered: Wednesday, April 21, 2021 10:40:25 Pacific Daylight Time
Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

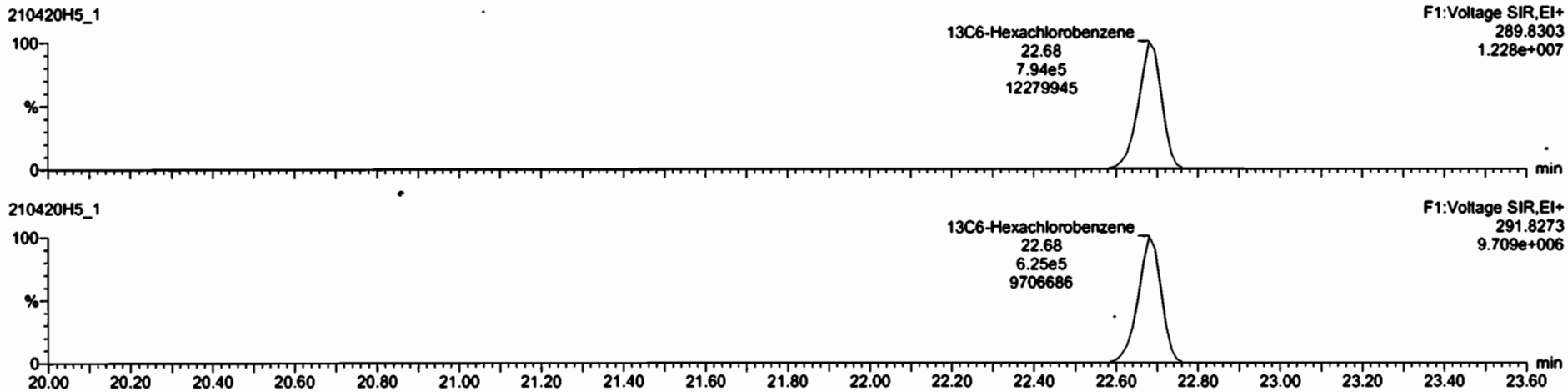
Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210420H5_1, Date: 20-Apr-2021, Time: 18:15:12, ID: ST210420H5_1 1699 CS1 21D0901, Description: 1699 CS1 21D0901

Hexachlorobenzene



13C6-Hexachlorobenzene

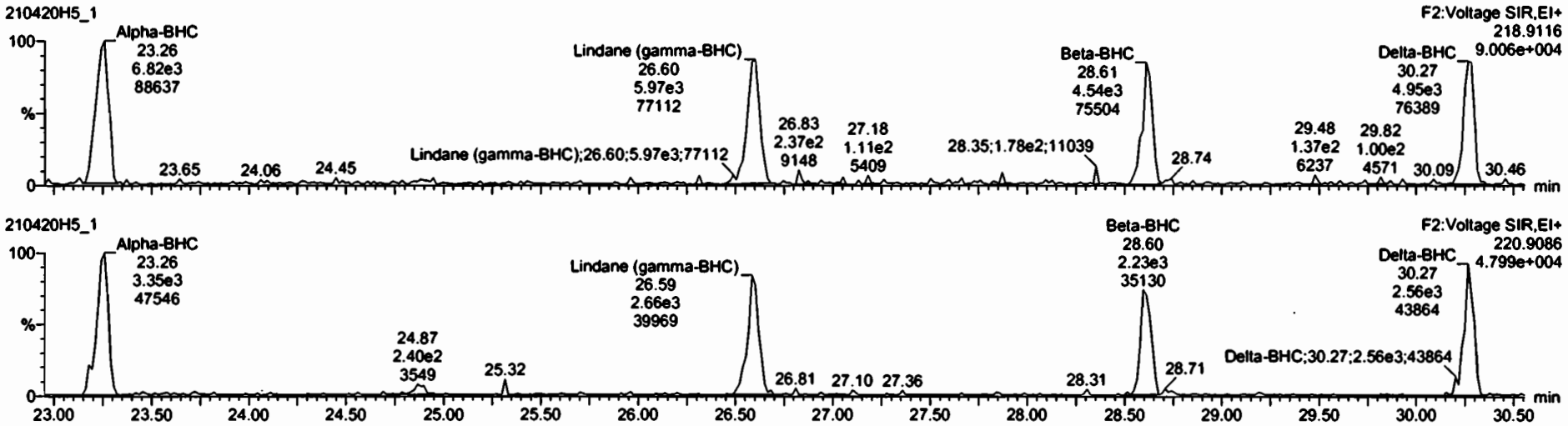


Dataset: Untitled

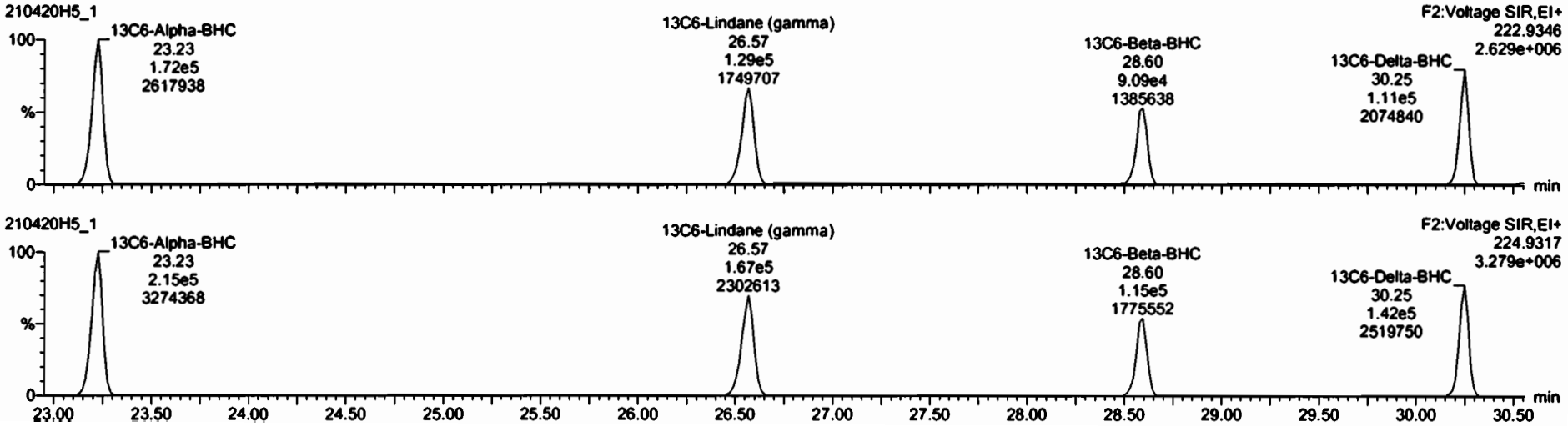
Last Altered: Wednesday, April 21, 2021 10:40:25 Pacific Daylight Time
Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

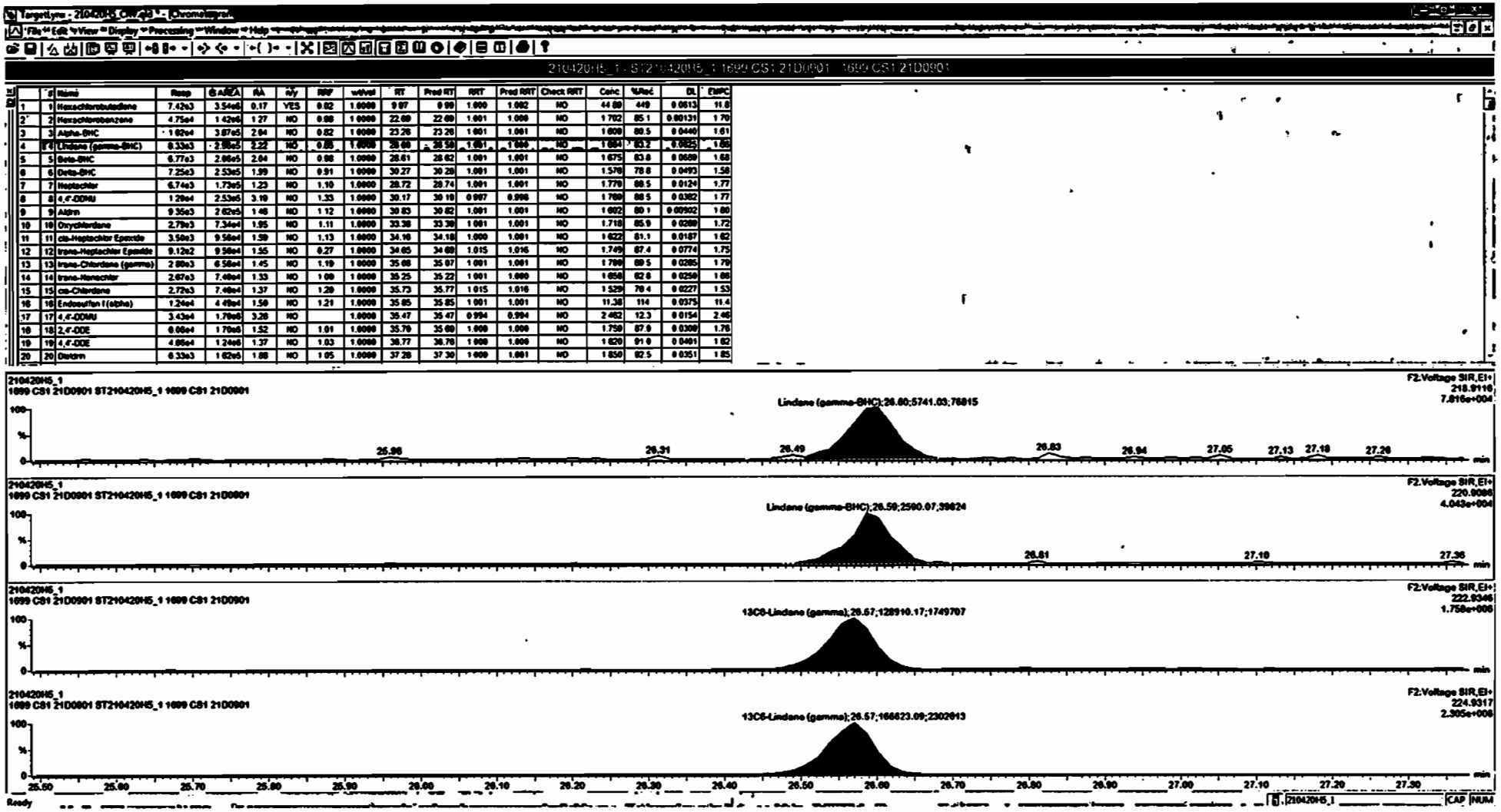
Name: 210420H5_1, Date: 20-Apr-2021, Time: 18:15:12, ID: ST210420H5_1 1699 CS1 21D0901, Description: 1699 CS1 21D0901

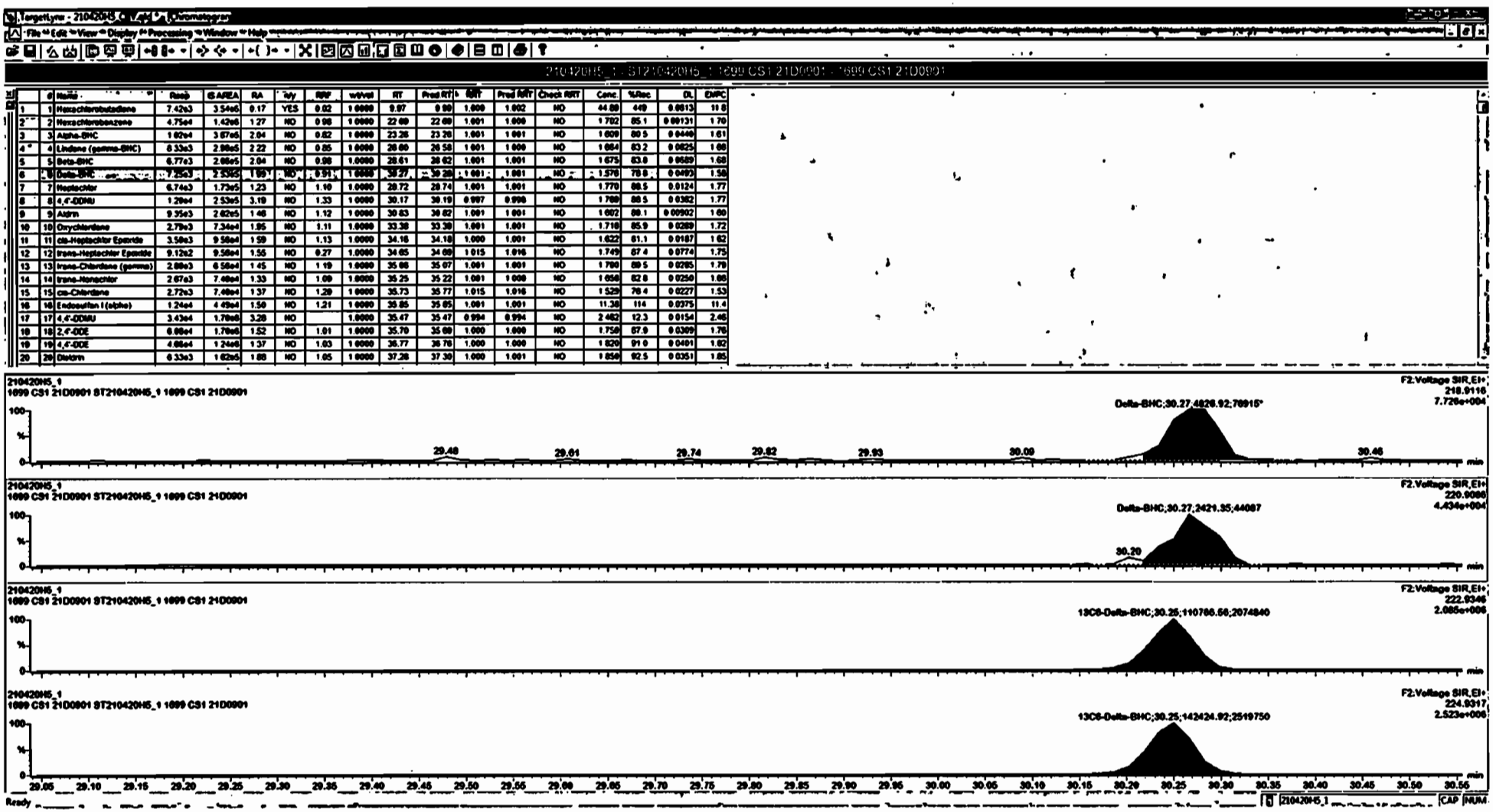
BHC Totals



BHC-isotopes




Lindane (gamma-BHC);26.60;5741.03;76815
Lindane (gamma-BHC);26.59;2590.07;39824
13C6-Lindane (gamma);26.57;128910.17;1749707
13C6-Lindane (gamma);26.57;166623.09;2302613



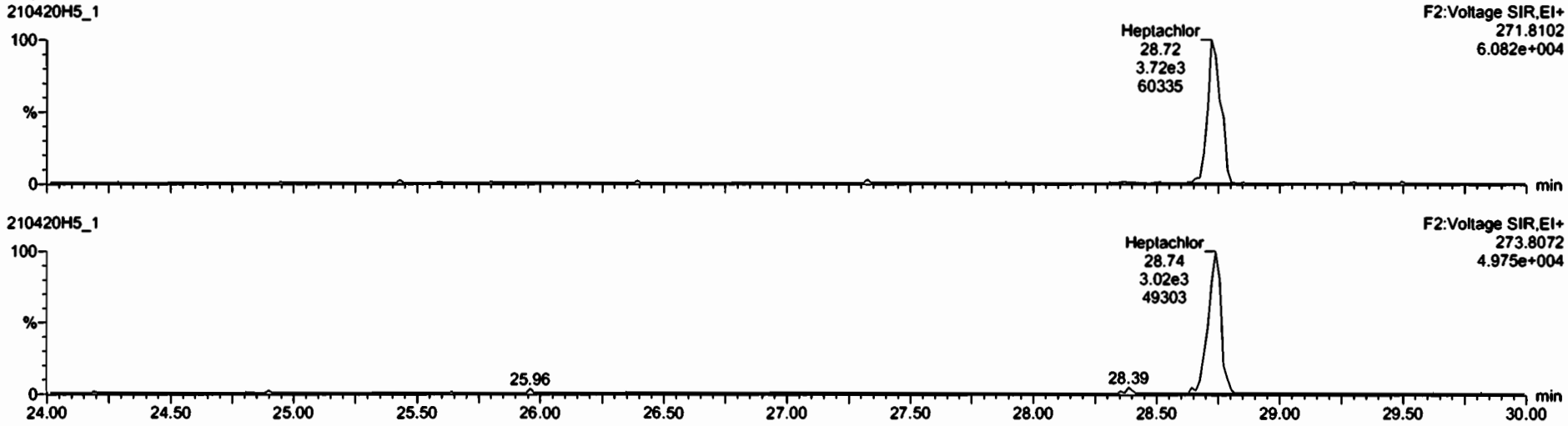
	d	Name	Resp	IS AREA	RA	Rty	RRF	wtVal	RT	Pred RT	Δ RT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
1	1	Hexachlorobutadiene	7.42e3	3.54e6	0.17	YES	0.02	1.0000	9.97	9.99	1.000	1.002	NO	44.89	449	0.0813	11.8
2	2	Hexachlorobenzene	4.75e4	1.42e6	1.27	NO	0.08	1.0000	22.69	22.69	1.001	1.000	NO	1.702	85.1	0.00131	1.70
3	3	Alpha-BHC	1.92e4	3.67e6	2.04	NO	0.02	1.0000	23.28	23.29	1.001	1.001	NO	1.609	80.5	0.0446	1.61
4	4	Lindane (gamma-BHC)	8.33e3	2.98e6	2.22	NO	0.05	1.0000	28.60	28.58	1.001	1.000	NO	1.664	83.2	0.0825	1.66
5	5	Beta-BHC	6.77e3	2.68e6	2.04	NO	0.08	1.0000	28.61	28.62	1.001	1.001	NO	1.675	83.8	0.0689	1.68
6	6	Delta-BHC	7.25e3	2.53e6	1.99	NO	0.01	1.0000	30.27	30.28	1.001	1.001	NO	1.578	78.8	0.0493	1.58
7	7	Heptachlor	6.74e3	1.73e6	1.23	NO	1.10	1.0000	29.72	29.74	1.001	1.001	NO	1.770	88.5	0.0124	1.77
8	8	4,4'-DDMU	1.29e4	2.53e6	3.19	NO	1.33	1.0000	30.17	30.19	0.997	0.998	NO	1.788	89.5	0.0382	1.77
9	9	Aldrin	9.35e3	2.62e6	1.48	NO	1.12	1.0000	30.83	30.82	1.001	1.001	NO	1.802	90.1	0.00902	1.80
10	10	Oxychlordane	2.79e3	7.34e4	1.95	NO	1.11	1.0000	33.38	33.39	1.001	1.001	NO	1.718	85.9	0.0289	1.72
11	11	cis-Heptachlor Epoxide	3.58e3	9.58e4	1.59	NO	1.13	1.0000	34.16	34.18	1.000	1.001	NO	1.622	81.1	0.0187	1.62
12	12	trans-Heptachlor Epoxide	9.12e2	9.58e4	1.55	NO	0.27	1.0000	34.65	34.69	1.015	1.016	NO	1.749	87.4	0.0774	1.75
13	13	trans-Chlordane (gamma)	2.88e3	6.58e4	1.45	NO	1.19	1.0000	35.08	35.07	1.001	1.001	NO	1.790	89.5	0.0265	1.79
14	14	trans-Nonachlor	2.67e3	7.48e4	1.33	NO	1.09	1.0000	35.25	35.22	1.001	1.000	NO	1.656	82.8	0.0250	1.66
15	15	cis-Chlordane	2.72e3	7.48e4	1.37	NO	1.20	1.0000	35.73	35.77	1.015	1.016	NO	1.529	76.4	0.0227	1.53
16	16	Endosulfan I (alpha)	1.24e4	4.49e4	1.59	NO	1.21	1.0000	35.85	35.85	1.001	1.001	NO	11.38	114	0.0375	11.4
17	17	4,4'-DDMU	3.43e4	1.78e6	3.28	NO		1.0000	35.47	35.47	0.994	0.994	NO	2.462	12.3	0.0154	2.46
18	18	2,4'-DDE	6.66e4	1.78e6	1.52	NO	1.01	1.0000	35.70	35.69	1.000	1.000	NO	1.758	87.9	0.0309	1.76
19	19	4,4'-DDE	4.66e4	1.24e6	1.37	NO	1.03	1.0000	36.77	36.76	1.000	1.000	NO	1.829	91.5	0.0401	1.82
20	20	Dieldrin	6.33e3	1.62e6	1.88	NO	1.05	1.0000	37.28	37.30	1.000	1.001	NO	1.854	92.5	0.0351	1.85

Dataset: Untitled

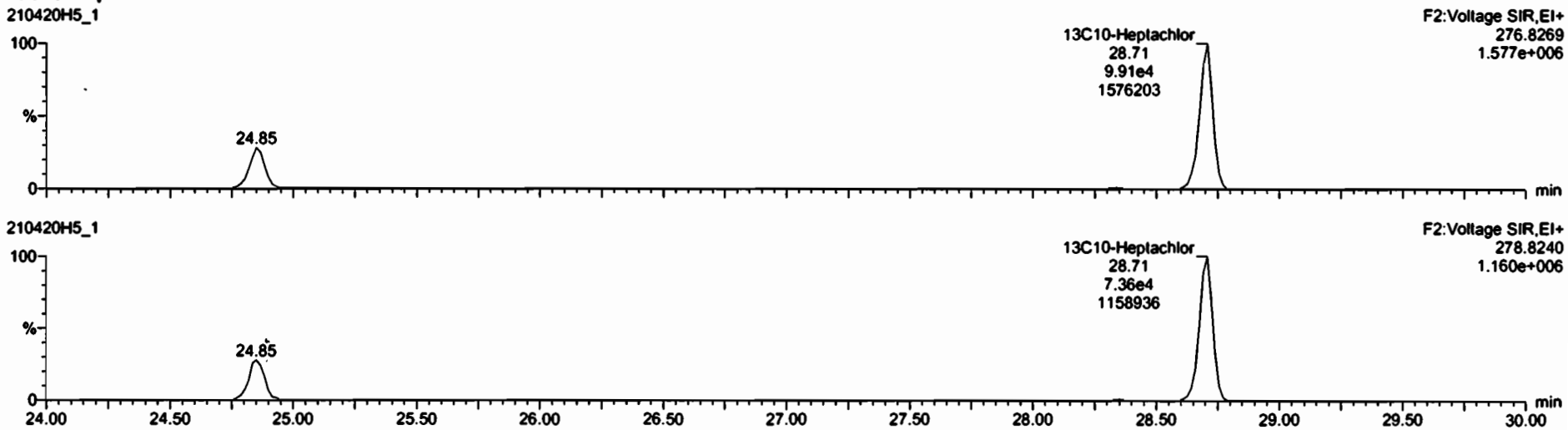
Last Altered: Wednesday, April 21, 2021 10:40:25 Pacific Daylight Time
Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

Name: 210420H5_1, Date: 20-Apr-2021, Time: 18:15:12, ID: ST210420H5_1 1699 CS1 21D0901, Description: 1699 CS1 21D0901

Heptachlor



13C10-Heptachlor



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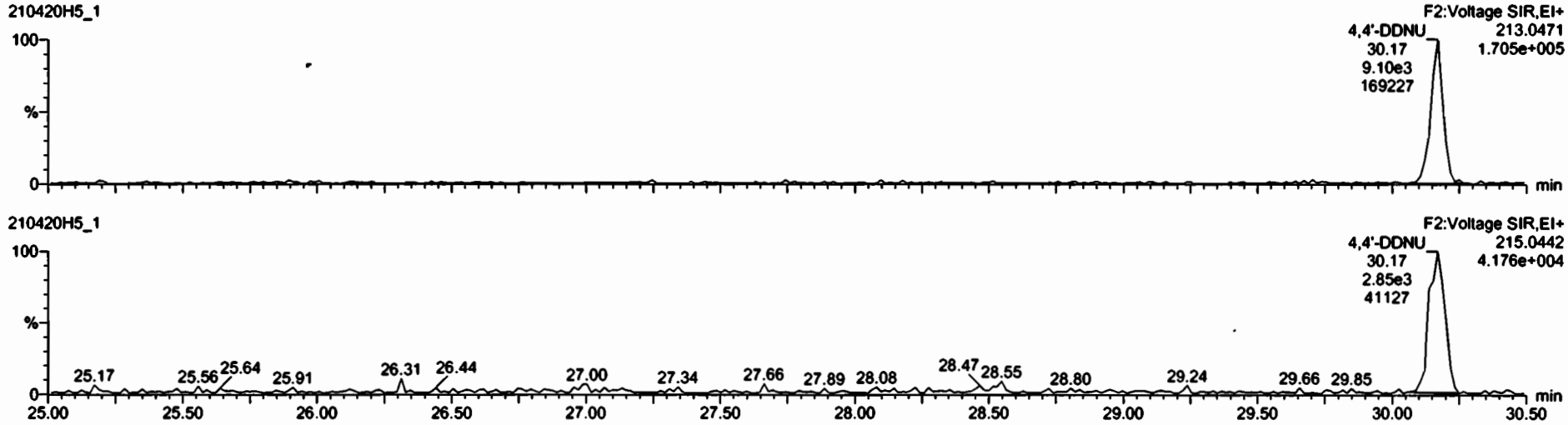
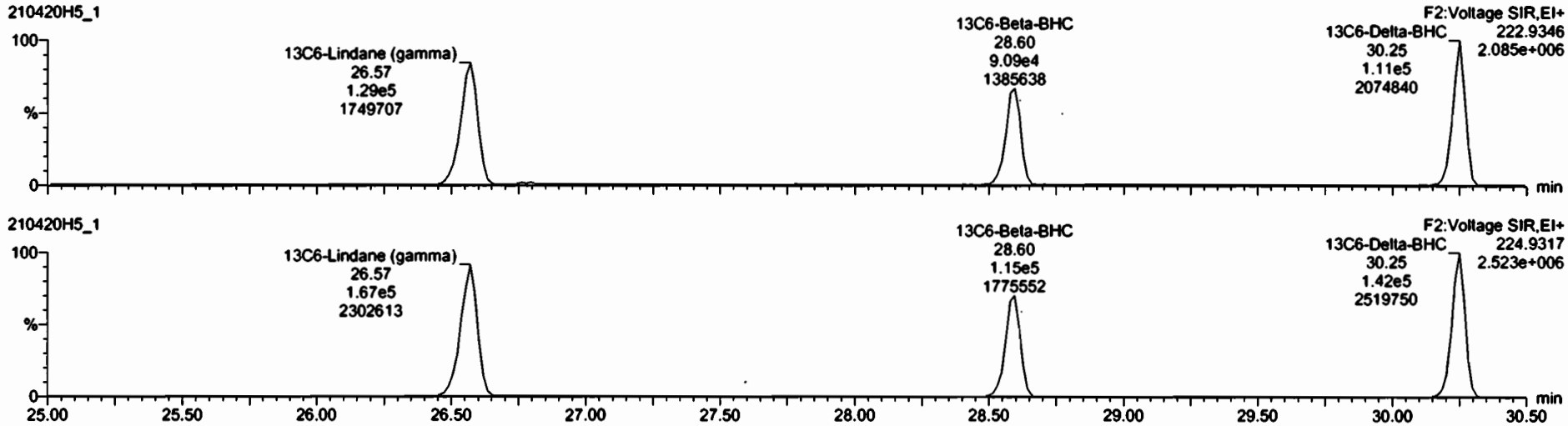
Last Altered: Wednesday, April 21, 2021 10:40:25 Pacific Daylight Time
Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

Name: 210420H5_1, Date: 20-Apr-2021, Time: 18:15:12, ID: ST210420H5_1 1699 CS1 21D0901, Description: 1699 CS1 21D0901

4,4'-DDNU



13C6-Delta-BHC



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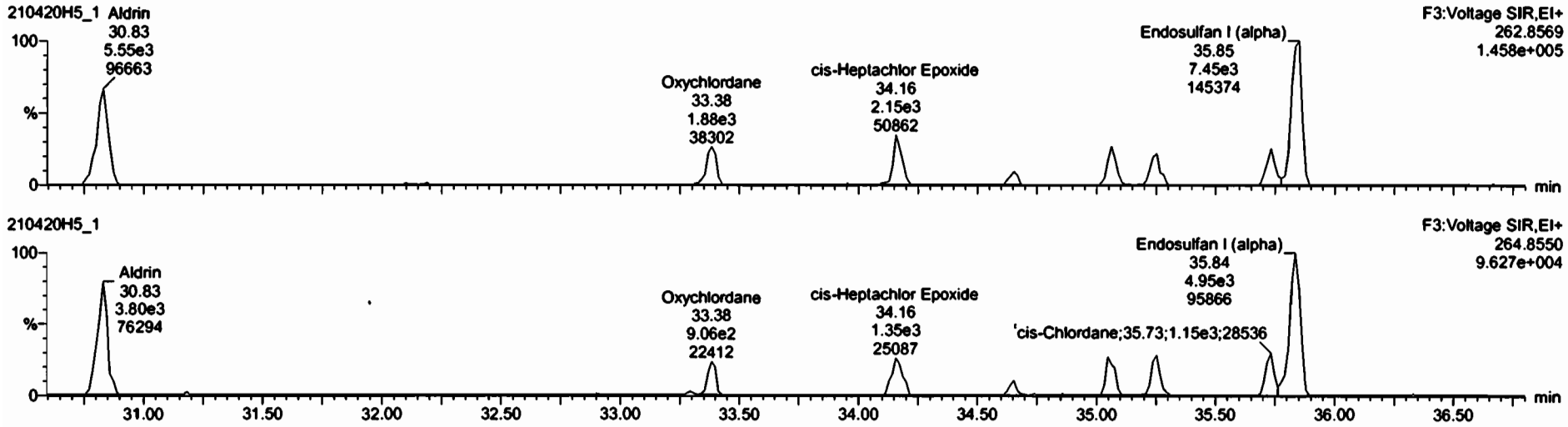
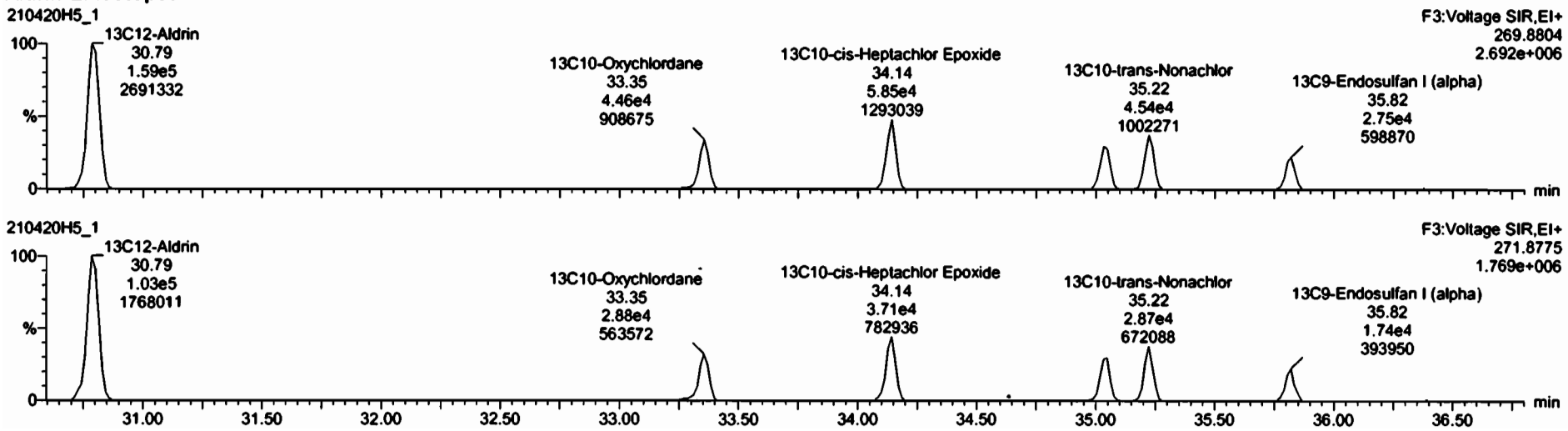
Last Altered: Wednesday, April 21, 2021 10:40:25 Pacific Daylight Time
Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

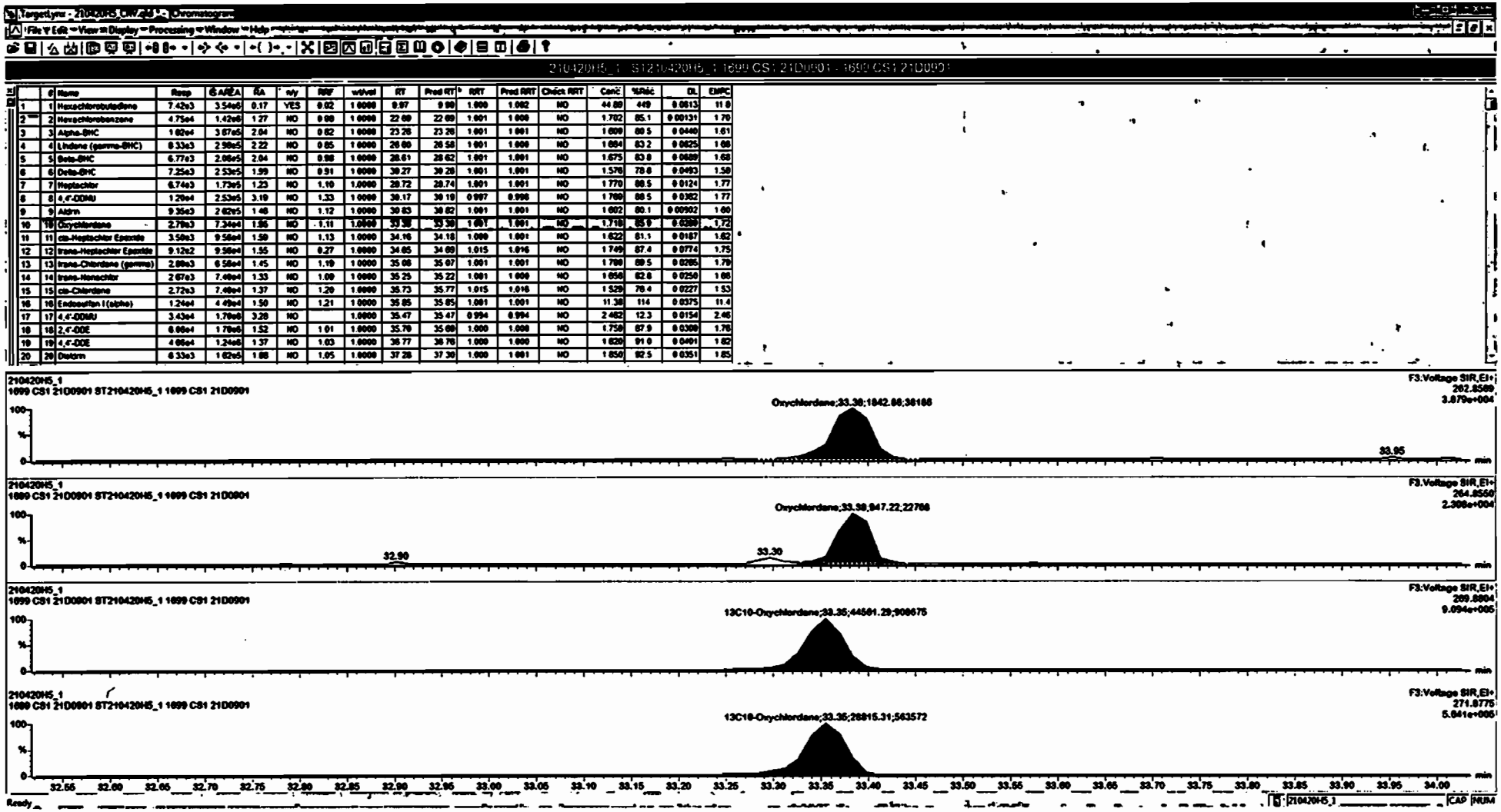
Name: 210420H5_1, Date: 20-Apr-2021, Time: 18:15:12, ID: ST210420H5_1 1699 CS1 21D0901, Description: 1699 CS1 21D0901

Aldrin-EI

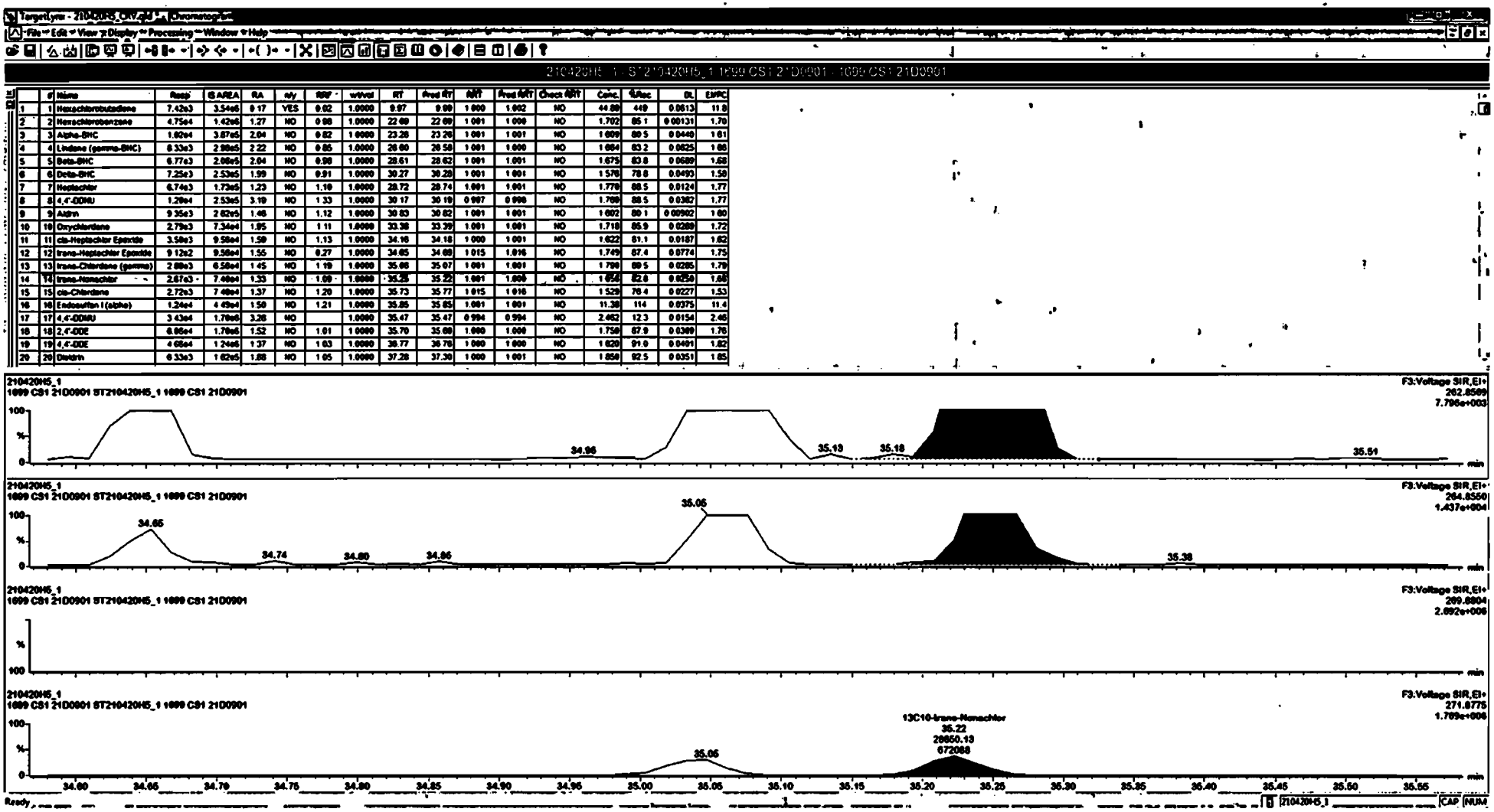


Aldrin-EI-isotopes





	#	Name	Resp	% AREA	RA	rdy	RRF	wtVal	RT	Prod RT	Δ RT	Prod RRT	Check RRT	Conc	%Rec	DL	EMPC
1	1	Hexachlorobutadiene	7.42e3	3.54e6	0.17	YES	0.02	1.0000	9.97	9.99	1.000	1.002	NO	44.89	449	0.0613	11.9
2	2	Hexachlorobenzene	4.75e4	1.42e6	1.27	NO	0.09	1.0000	22.69	22.69	1.001	1.000	NO	1.702	85.1	0.00131	1.70
3	3	Alpha-BHC	1.82e4	3.67e5	2.84	NO	0.82	1.0000	23.28	23.28	1.001	1.001	NO	1.609	80.5	0.0440	1.61
4	4	Lindane (gamma-BHC)	8.33e3	2.90e5	2.22	NO	0.85	1.0000	26.60	26.58	1.001	1.000	NO	1.664	83.2	0.0625	1.66
5	5	Beta-BHC	6.77e3	2.06e5	2.04	NO	0.88	1.0000	28.61	28.62	1.001	1.001	NO	1.675	83.8	0.0689	1.68
6	6	Delta-BHC	7.25e3	2.53e5	1.99	NO	0.91	1.0000	30.27	30.28	1.001	1.001	NO	1.576	78.8	0.0493	1.58
7	7	Heptachlor	6.74e3	1.73e5	1.23	NO	1.10	1.0000	28.72	28.74	1.001	1.001	NO	1.770	88.5	0.0124	1.77
8	8	4,4'-DDMU	1.20e4	2.53e5	3.10	NO	1.33	1.0000	30.17	30.19	0.997	0.998	NO	1.769	88.5	0.0382	1.77
9	9	Aldrin	9.35e3	2.62e5	1.48	NO	1.12	1.0000	30.83	30.82	1.001	1.001	NO	1.602	80.1	0.00902	1.60
10	10	Oxychlordane	2.79e3	7.34e4	1.86	NO	1.11	1.0000	33.38	33.38	1.001	1.001	NO	1.718	85.9	0.0288	1.72
11	11	cis-Heptachlor Epoxide	3.58e3	9.58e4	1.59	NO	1.13	1.0000	34.16	34.18	1.000	1.001	NO	1.622	81.1	0.0187	1.62
12	12	trans-Heptachlor Epoxide	9.12e2	9.58e4	1.35	NO	0.27	1.0000	34.65	34.69	1.015	1.016	NO	1.749	87.4	0.0774	1.75
13	13	trans-Chlordane (gamma)	2.89e3	6.58e4	1.45	NO	1.19	1.0000	35.08	35.07	1.001	1.001	NO	1.788	89.5	0.0285	1.79
14	14	trans-Nonachlor	2.67e3	7.49e4	1.33	NO	1.09	1.0000	35.25	35.22	1.001	1.000	NO	1.656	82.8	0.0250	1.66
15	15	cis-Chlordane	2.72e3	7.49e4	1.37	NO	1.20	1.0000	35.73	35.77	1.015	1.016	NO	1.529	76.4	0.0227	1.53
16	16	Endosulfan I (alpha)	1.24e4	4.49e4	1.50	NO	1.21	1.0000	35.85	35.85	1.001	1.001	NO	11.38	114	0.0375	11.4
17	17	4,4'-DDMU	3.43e4	1.78e6	3.28	NO		1.0000	35.47	35.47	0.994	0.994	NO	2.462	12.3	0.0154	2.46
18	18	2,4'-DDE	6.66e4	1.78e6	1.52	NO	1.01	1.0000	35.70	35.69	1.000	1.000	NO	1.758	87.9	0.0308	1.76
19	19	4,4'-DDE	4.66e4	1.24e6	1.37	NO	1.03	1.0000	36.77	36.76	1.000	1.000	NO	1.829	91.5	0.0401	1.82
20	20	Dieldrin	8.33e3	1.62e5	1.88	NO	1.05	1.0000	37.28	37.30	1.000	1.001	NO	1.856	92.5	0.0351	1.85



	d	Name	Resp	S AREA	RA	a/y	RRF	wtVal	RT	Pred RT	ΔRT	Pred ΔRT	Check ΔRT	Calc.	%Rec	DL	EMPC
1	1	Hexachlorobutadiene	7.42e3	3.54e6	0.17	YES	0.02	1.0000	9.97	9.99	1.000	1.002	NO	44.89	449	0.0613	11.8
2	2	Hexachlorobenzene	4.75e4	1.42e6	1.27	NO	0.98	1.0000	22.69	22.69	1.001	1.000	NO	1.702	85.1	0.00131	1.70
3	3	Alpha-BHC	1.60e4	3.87e5	2.04	NO	0.82	1.0000	23.28	23.26	1.001	1.001	NO	1.609	80.5	0.0440	1.61
4	4	Lindane (gamma-BHC)	8.33e3	2.98e5	2.22	NO	0.85	1.0000	26.60	26.58	1.001	1.000	NO	1.664	83.2	0.0625	1.66
5	5	Beta-BHC	6.77e3	2.06e5	2.04	NO	0.98	1.0000	28.61	28.62	1.001	1.001	NO	1.675	83.8	0.0689	1.68
6	6	Delta-BHC	7.25e3	2.53e5	1.99	NO	0.91	1.0000	30.27	30.28	1.001	1.001	NO	1.576	78.8	0.0493	1.58
7	7	Heptachlor	6.74e3	1.73e5	1.23	NO	1.19	1.0000	28.72	28.74	1.001	1.001	NO	1.779	88.5	0.0124	1.77
8	8	4,4'-DDMU	1.20e4	2.53e5	3.19	NO	1.33	1.0000	30.17	30.19	0.997	0.998	NO	1.769	88.5	0.0362	1.77
9	9	Aldrin	9.35e3	2.62e5	1.46	NO	1.12	1.0000	30.83	30.82	1.001	1.001	NO	1.602	80.1	0.00902	1.60
10	10	Oxychlordane	2.79e3	7.34e4	1.95	NO	1.11	1.0000	33.38	33.39	1.001	1.001	NO	1.718	85.9	0.0289	1.72
11	11	cis-Heptachlor Epoxide	3.58e3	9.58e4	1.59	NO	1.13	1.0000	34.16	34.18	1.000	1.001	NO	1.622	81.1	0.0187	1.62
12	12	trans-Heptachlor Epoxide	9.12e2	9.58e4	1.55	NO	0.27	1.0000	34.65	34.68	1.015	1.016	NO	1.749	87.4	0.0774	1.75
13	13	trans-Chlordane (gamma)	2.88e3	6.58e4	1.45	NO	1.19	1.0000	35.68	35.67	1.001	1.001	NO	1.799	89.5	0.0285	1.79
14	14	trans-Nonachlor	2.67e3	7.46e4	1.53	NO	1.09	1.0000	35.25	35.22	1.001	1.000	NO	1.654	82.8	0.0250	1.66
15	15	cis-Chlordane	2.72e3	7.48e4	1.37	NO	1.20	1.0000	35.73	35.77	1.015	1.016	NO	1.529	76.4	0.0227	1.53
16	16	Endosulfan I (alpha)	1.24e4	4.49e4	1.50	NO	1.21	1.0000	35.85	35.85	1.001	1.001	NO	11.38	114	0.0375	11.4
17	17	4,4'-DDMU	3.43e4	1.79e6	3.26	NO		1.0000	35.47	35.47	0.994	0.994	NO	2.462	12.3	0.0154	2.46
18	18	2,4'-DDE	8.66e4	1.78e6	1.52	NO	1.01	1.0000	35.70	35.69	1.000	1.000	NO	1.758	87.9	0.0369	1.76
19	19	4,4'-DDE	4.66e4	1.24e6	1.37	NO	1.03	1.0000	36.77	36.76	1.000	1.000	NO	1.820	91.0	0.0491	1.82
20	20	Dieldrin	8.33e3	1.62e5	1.88	NO	1.05	1.0000	37.28	37.30	1.000	1.001	NO	1.859	92.5	0.0351	1.85

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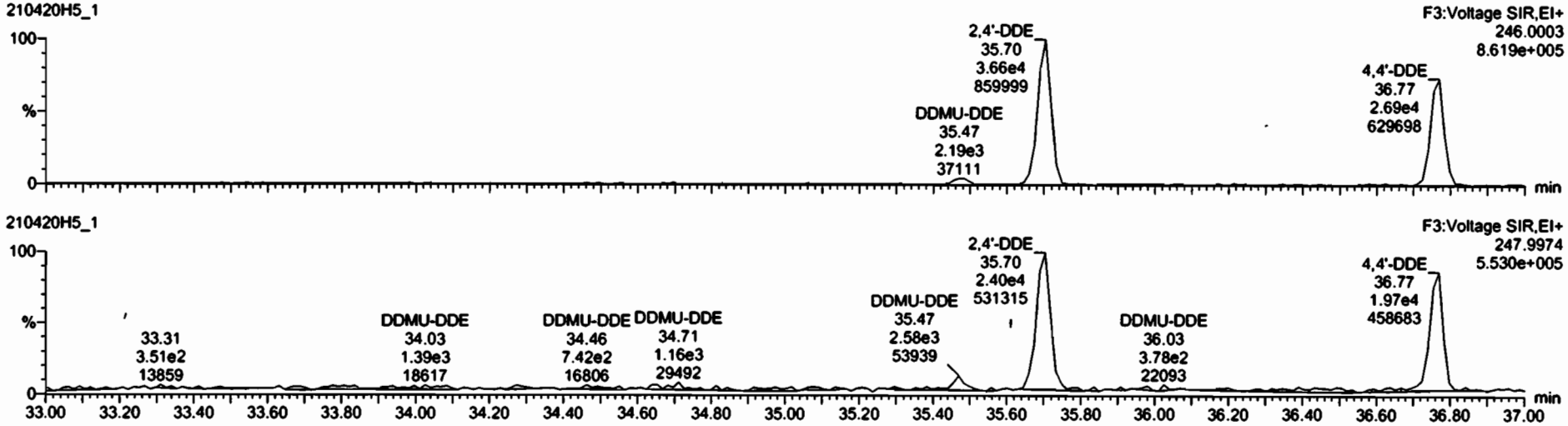
Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

Name: 210420H5_1, Date: 20-Apr-2021, Time: 18:15:12, ID: ST210420H5_1 1699 CS1 21D0901, Description: 1699 CS1 21D0901

DDMU-DDE



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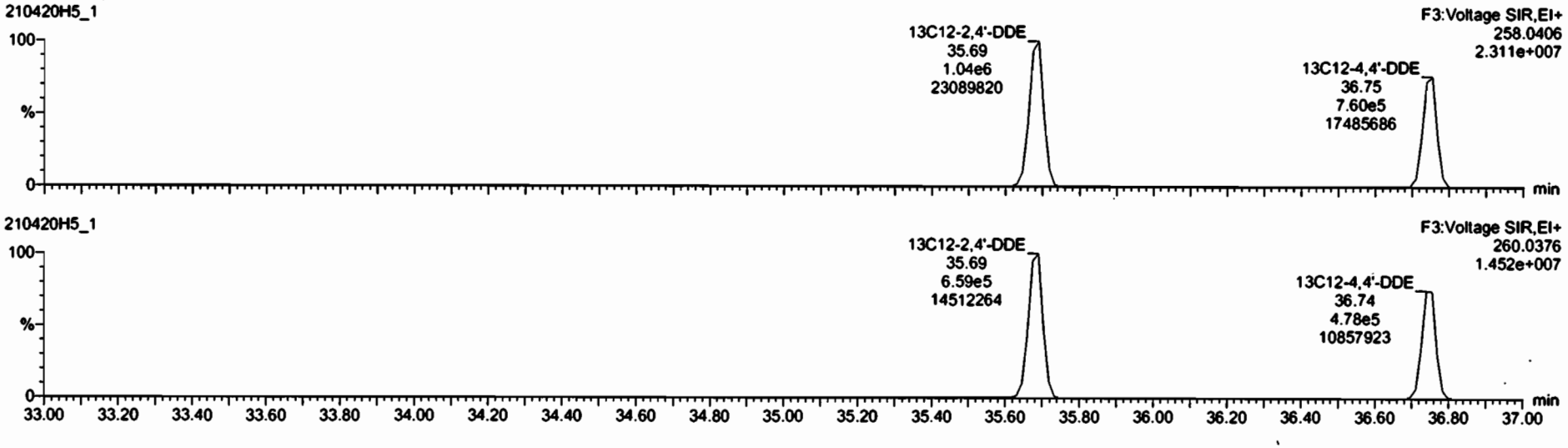

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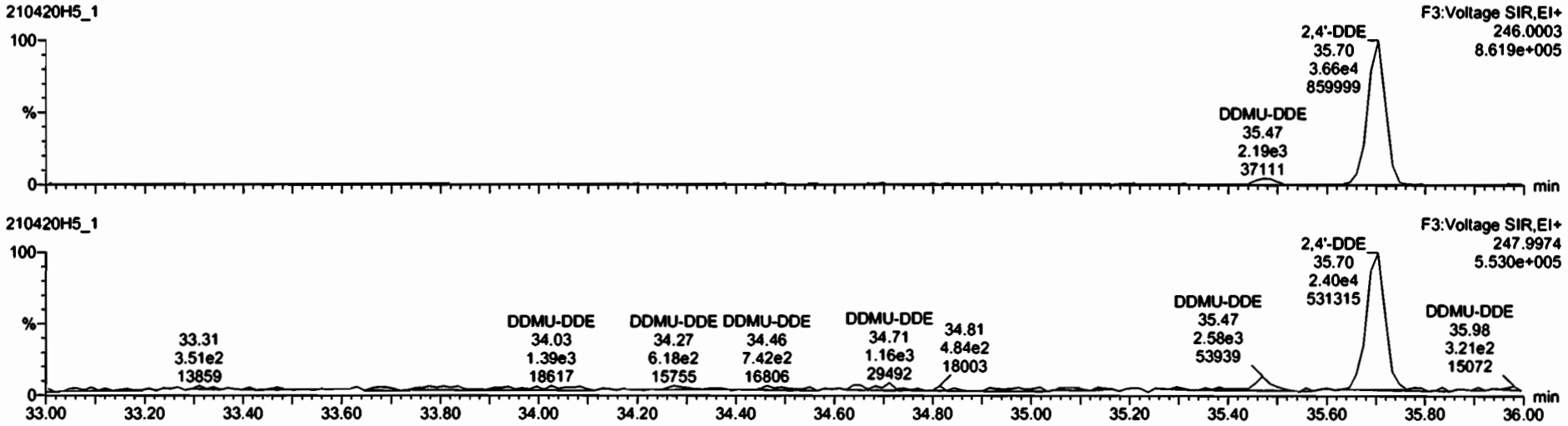
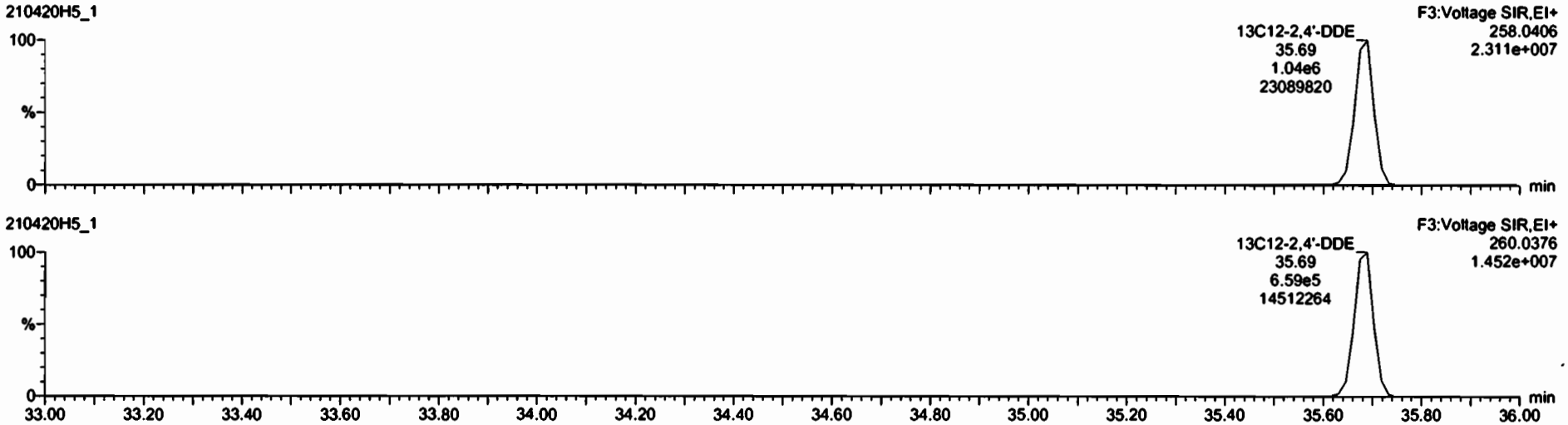
Name: 210420H5_1, Date: 20-Apr-2021, Time: 18:15:12, ID: ST210420H5_1 1699 CS1 21D0901, Description: 1699 CS1 21D0901

2,4'-DDE



13C12-2,4'-DDE



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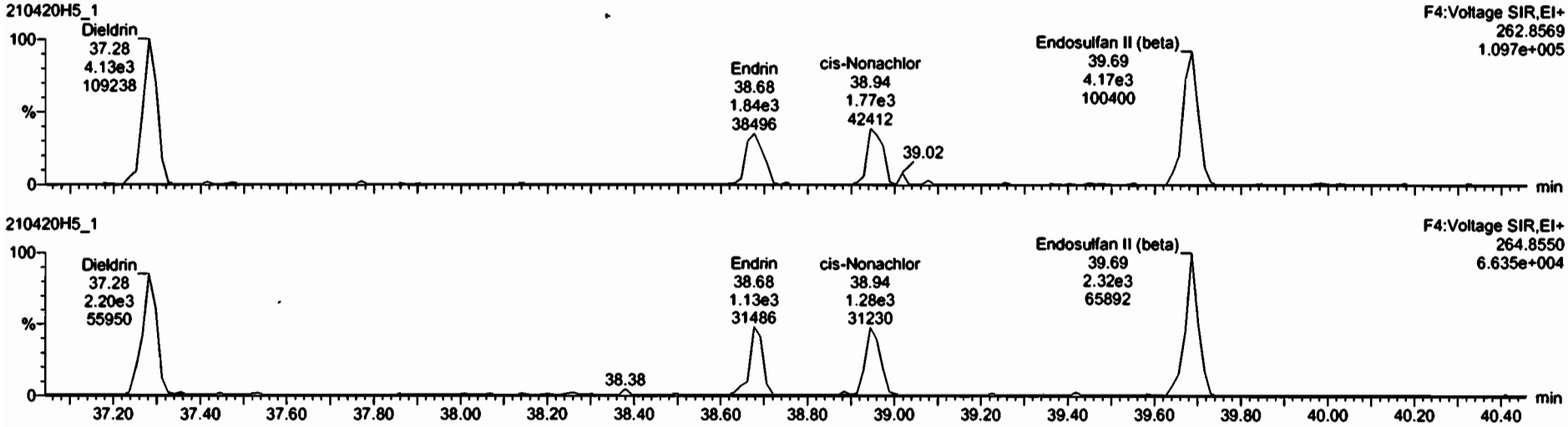
Name: 210420H5_1, Date: 20-Apr-2021, Time: 18:15:12, ID: ST210420H5_1 1699 CS1 21D0901, Description: 1699 CS1 21D0901

Dieldrin-EII



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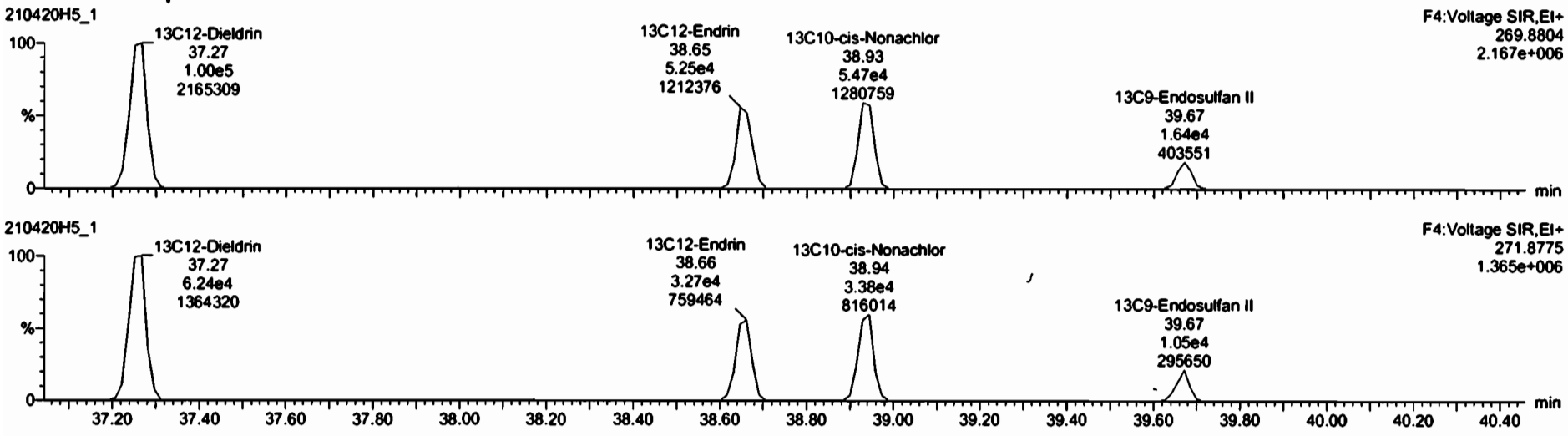

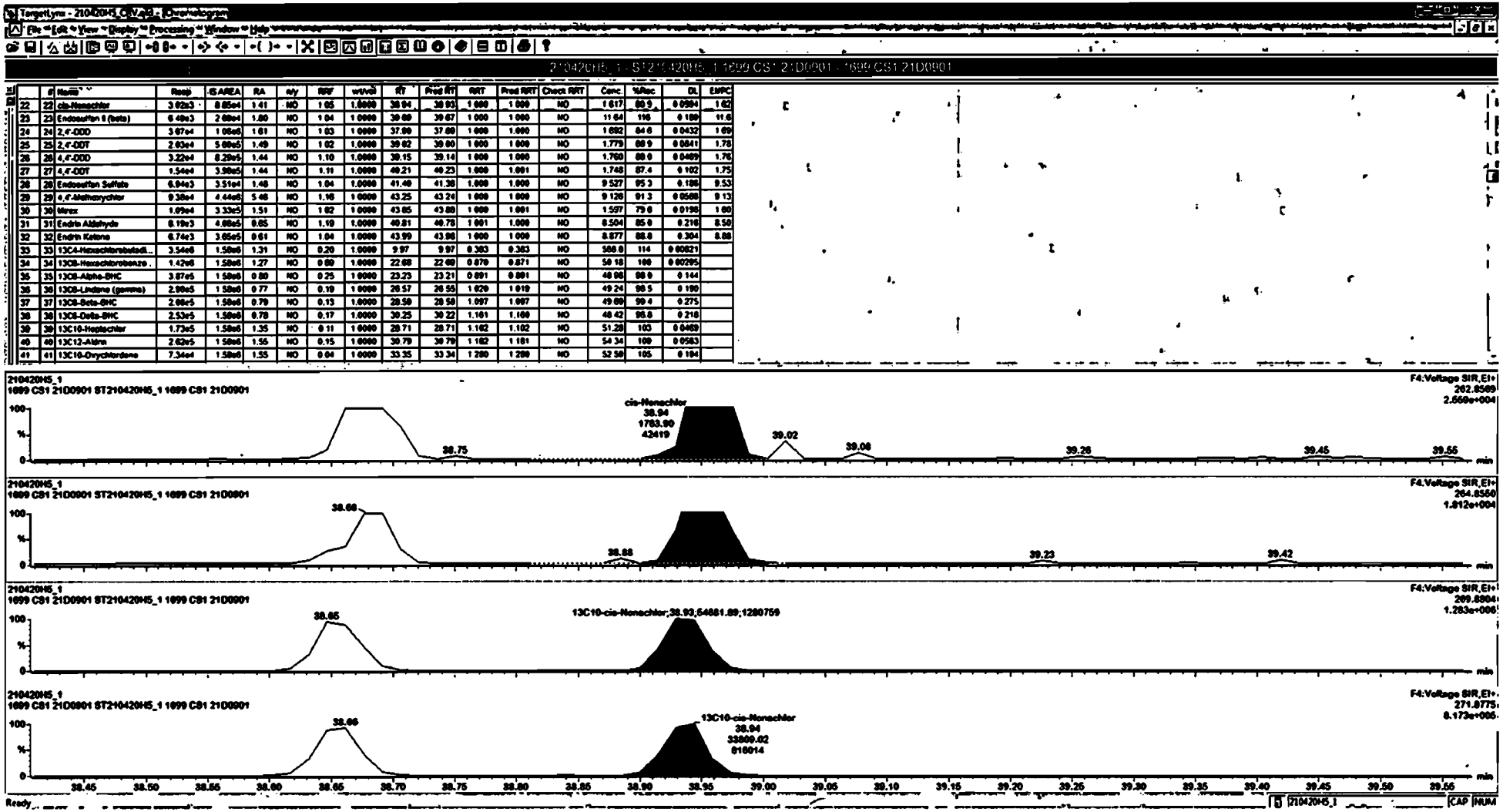
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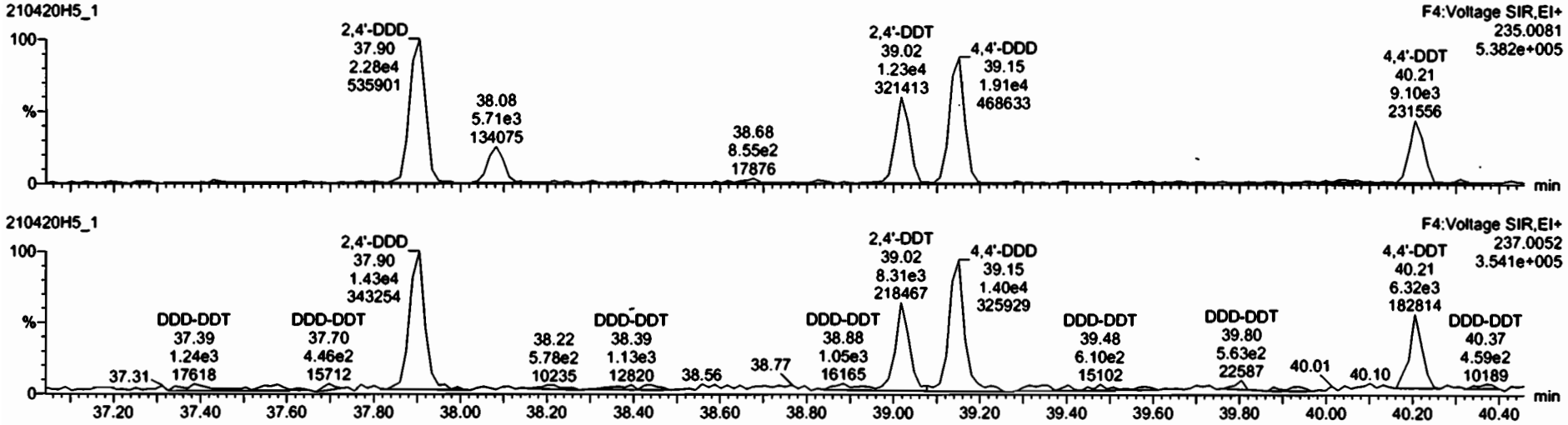
DDD-DDT



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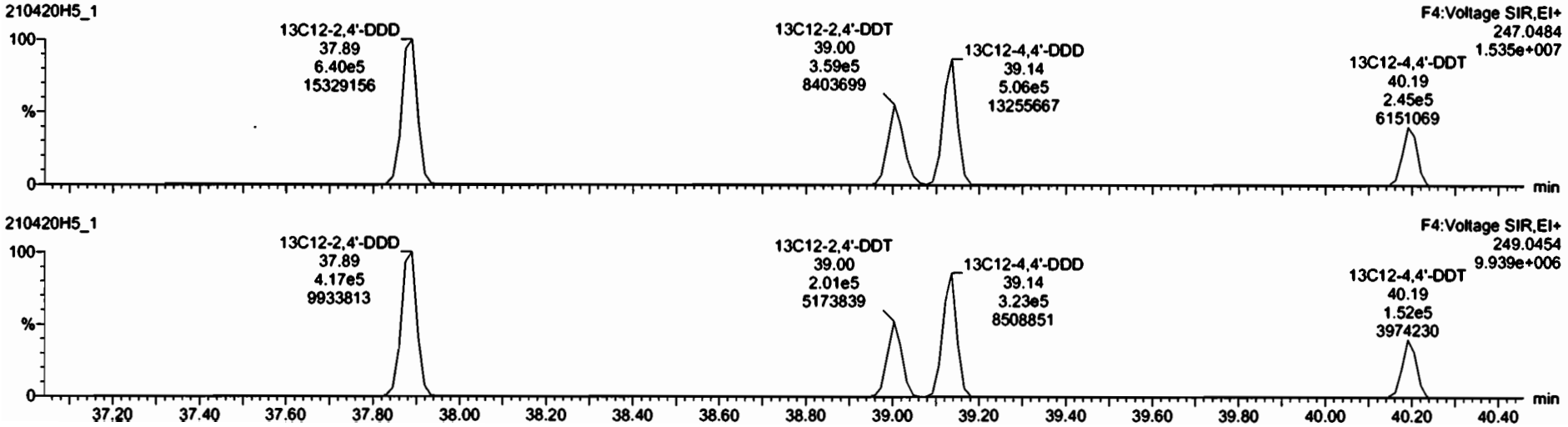
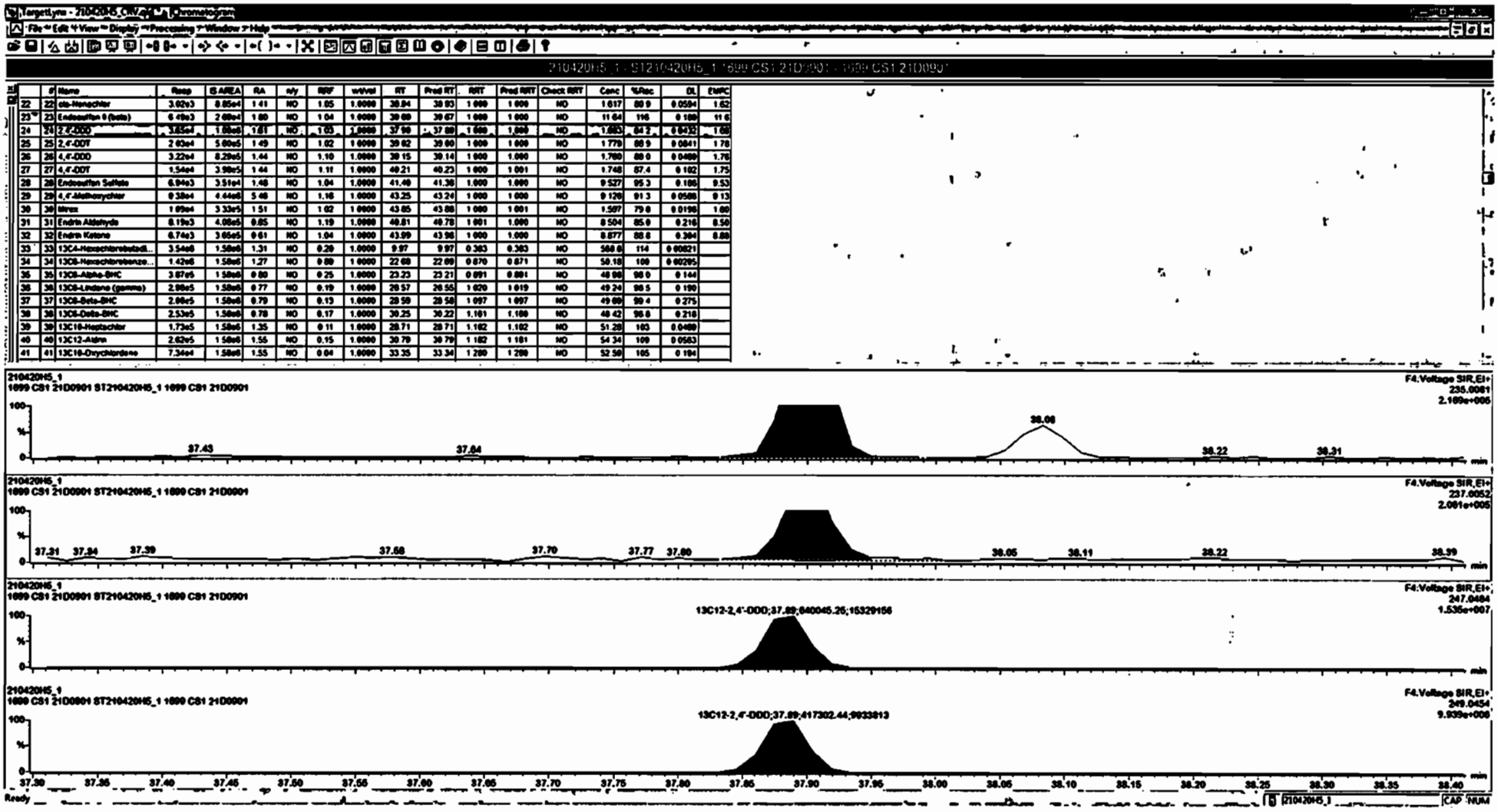
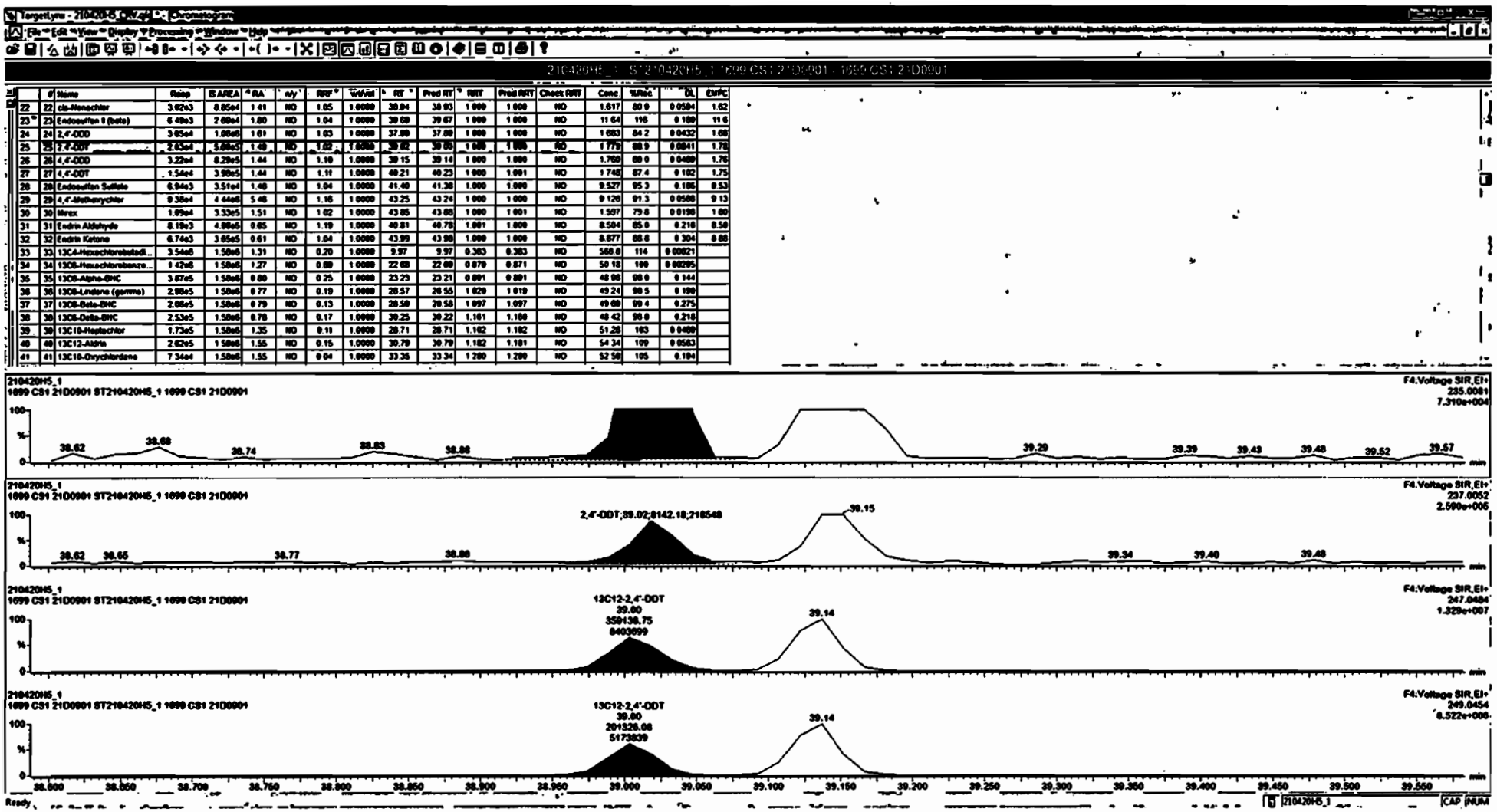
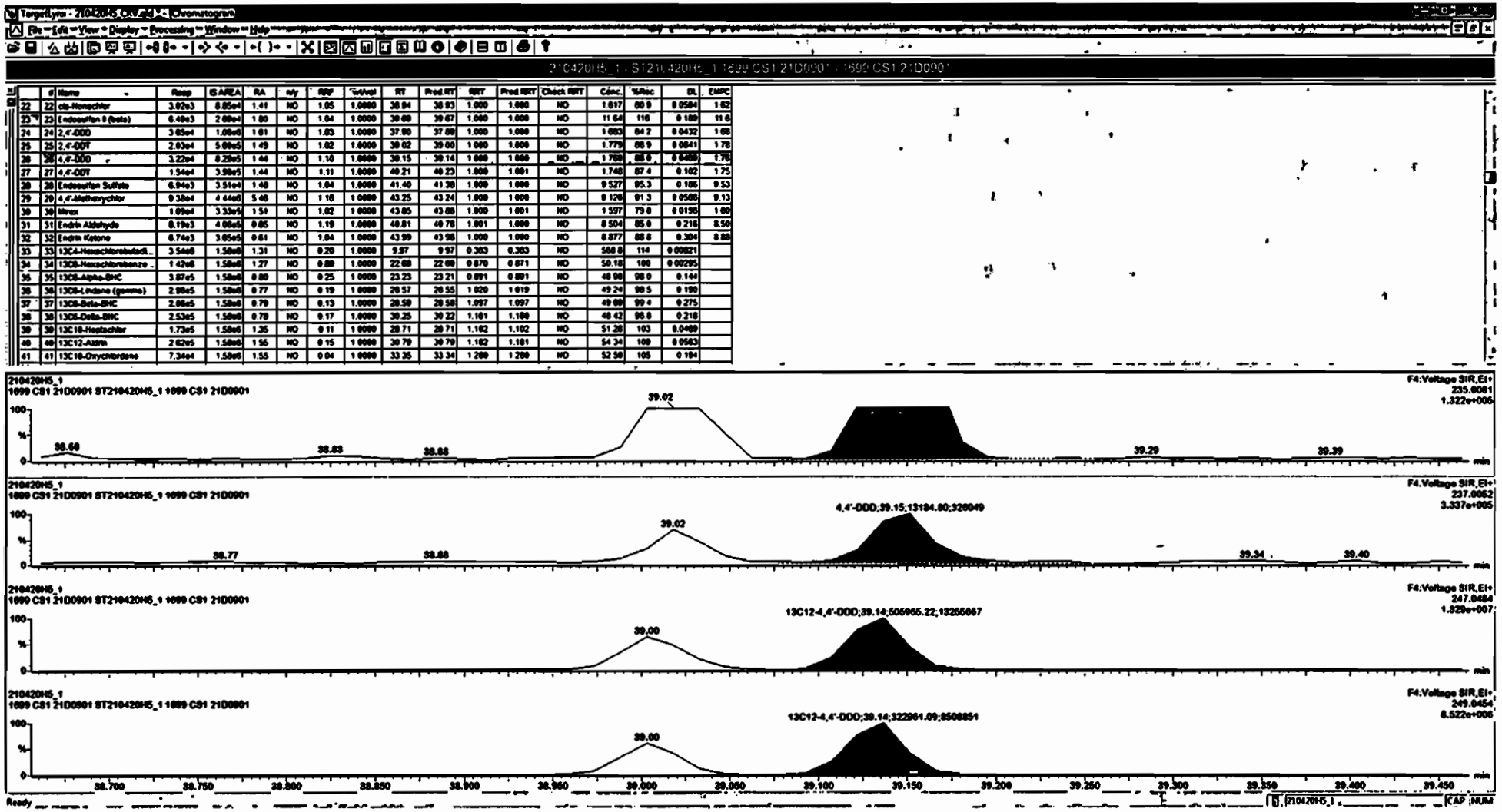




	#	Name	Resp	IS AREA	RA	Qly	RRF	wtVal	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
22	22	cis-Nonachlor	3.02e3	8.85e4	1.41	NO	1.05	1.0000	38.84	38.93	1.000	1.000	NO	1.617	80.9	0.0594	1.62
23	23	Endosulfan II (beta)	6.49e3	2.08e4	1.80	NO	1.04	1.0000	39.69	39.67	1.000	1.000	NO	11.64	116	0.189	11.6
24	24	2,4'-DDD	3.85e4	1.58e6	1.61	NO	1.05	1.0000	37.90	37.89	1.000	1.000	NO	1.683	84.2	0.0432	1.68
25	25	2,4'-DDT	2.60e4	5.60e5	1.49	NO	1.02	1.0000	39.62	39.60	1.000	1.000	NO	1.779	88.9	0.0841	1.78
26	26	4,4'-DDD	3.22e4	8.29e5	1.44	NO	1.10	1.0000	39.15	39.14	1.000	1.000	NO	1.760	88.0	0.0499	1.76
27	27	4,4'-DDT	1.54e4	3.98e5	1.44	NO	1.11	1.0000	40.21	40.23	1.000	1.001	NO	1.748	87.4	0.102	1.75
28	28	Endosulfan Sulfate	6.94e3	3.51e4	1.48	NO	1.04	1.0000	41.40	41.38	1.000	1.000	NO	9.527	95.3	0.186	9.53
29	29	4,4'-Methoxychlor	9.38e4	4.44e6	5.48	NO	1.16	1.0000	43.25	43.24	1.000	1.000	NO	9.126	91.3	0.0588	9.13
30	30	Mirex	1.09e4	3.33e5	1.51	NO	1.02	1.0000	43.85	43.88	1.000	1.001	NO	1.597	79.8	0.0196	1.60
31	31	Endrin Aldehyde	8.19e3	4.06e5	0.85	NO	1.19	1.0000	40.81	40.78	1.001	1.000	NO	8.504	85.0	0.216	8.50
32	32	Endrin Ketone	6.74e3	3.65e5	0.61	NO	1.04	1.0000	43.99	43.98	1.000	1.000	NO	8.877	88.8	0.364	8.88
33	33	13C4-Hexachlorobutadi...	3.54e6	1.58e6	1.31	NO	0.29	1.0000	9.97	9.97	0.363	0.363	NO	568.6	114	0.00021	
34	34	13C6-Hexachlorobenzo...	1.42e6	1.58e6	1.27	NO	0.89	1.0000	22.68	22.69	0.870	0.871	NO	58.18	100	0.00295	
35	35	13C6-Alpha-BHC	3.87e5	1.58e6	0.80	NO	0.25	1.0000	23.23	23.21	0.891	0.891	NO	48.98	98.0	0.144	
36	36	13C6-Lindane (gamma)	2.98e5	1.58e6	0.77	NO	0.19	1.0000	26.57	26.55	1.020	1.019	NO	49.24	98.5	0.190	
37	37	13C6-Beta-BHC	2.86e5	1.58e6	0.79	NO	0.13	1.0000	28.59	28.58	1.097	1.097	NO	49.69	99.4	0.275	
38	38	13C6-Delta-BHC	2.53e5	1.58e6	0.78	NO	0.17	1.0000	30.25	30.22	1.161	1.160	NO	48.42	96.8	0.218	
39	39	13C10-Heptachlor	1.73e5	1.58e6	1.35	NO	0.11	1.0000	28.71	28.71	1.102	1.102	NO	51.28	103	0.0489	
40	40	13C12-Aldrin	2.62e5	1.58e6	1.55	NO	0.15	1.0000	30.79	30.79	1.182	1.181	NO	54.34	109	0.0583	
41	41	13C10-Oxychlordane	7.34e4	1.58e6	1.55	NO	0.04	1.0000	33.35	33.34	1.280	1.280	NO	52.58	105	0.194	



		d	Name	Resp	EAREA	RA	n/y	RRF	wAvel	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	Exp/C
22	22		cis-Nonachlor	3.62e3	8.85e4	1.41	NO	1.05	1.0000	38.84	38.93	1.000	1.000	NO	1.617	80.9	0.0584	1.62
23	23		Endosulfan II (beta)	6.48e3	2.08e4	1.80	NO	1.04	1.0000	39.69	39.67	1.000	1.000	NO	11.64	116	0.180	11.6
24	24		2,4'-DDD	3.85e4	1.08e6	1.61	NO	1.03	1.0000	37.89	37.88	1.000	1.000	NO	1.683	84.2	0.0432	1.68
25	25		2,4'-DDT	2.83e4	5.89e5	1.49	NO	1.02	1.0000	39.02	39.00	1.000	1.000	NO	1.779	88.9	0.0841	1.78
26	26		4,4'-DDD	3.22e4	8.29e5	1.44	NO	1.10	1.0000	39.15	39.14	1.000	1.000	NO	1.760	88.0	0.0489	1.76
27	27		4,4'-DDT	1.54e4	3.98e5	1.44	NO	1.11	1.0000	40.23	40.23	1.000	1.001	NO	1.748	87.4	0.102	1.75
28	28		Endosulfan Sulfate	6.94e3	3.51e4	1.48	NO	1.04	1.0000	41.40	41.38	1.000	1.000	NO	9.527	95.3	0.186	9.53
29	29		4,4'-Methoxychlor	9.38e4	4.44e6	5.48	NO	1.16	1.0000	43.25	43.24	1.000	1.000	NO	9.126	91.3	0.0588	9.13
30	30		Mirex	1.09e4	3.33e5	1.51	NO	1.02	1.0000	43.85	43.86	1.000	1.001	NO	1.597	79.8	0.0196	1.60
31	31		Endrin Aldehyde	8.19e3	4.86e5	0.65	NO	1.19	1.0000	40.81	40.78	1.001	1.000	NO	8.504	85.0	0.218	8.50
32	32		Endrin Ketone	6.74e3	3.85e5	0.61	NO	1.04	1.0000	43.99	43.98	1.000	1.000	NO	8.877	88.8	0.304	8.88
33	33		13C4-Hexachlorobutadi...	3.54e6	1.58e6	1.31	NO	0.20	1.0000	9.97	9.97	0.363	0.363	NO	568.8	114	0.00821	
34	34		13C6-Hexachlorobenzo...	1.42e6	1.58e6	1.27	NO	0.89	1.0000	22.88	22.88	0.870	0.871	NO	50.18	100	0.00295	
35	35		13C6-Alpha-BHC	3.87e5	1.58e6	0.89	NO	0.25	1.0000	23.23	23.21	0.891	0.891	NO	48.98	98.0	0.144	
36	36		13C6-Lindane (gamma)	2.98e5	1.58e6	0.77	NO	0.19	1.0000	26.57	26.55	1.020	1.019	NO	49.24	98.5	0.190	
37	37		13C6-Beta-BHC	2.66e5	1.58e6	0.79	NO	0.13	1.0000	28.59	28.58	1.097	1.097	NO	49.68	99.4	0.275	
38	38		13C6-Delta-BHC	2.53e5	1.58e6	0.78	NO	0.17	1.0000	30.25	30.22	1.161	1.160	NO	48.42	96.8	0.216	
39	39		13C10-Heptachlor	1.73e5	1.58e6	1.35	NO	0.11	1.0000	28.71	28.71	1.102	1.102	NO	51.28	103	0.0469	
40	40		13C12-Aldrin	2.62e5	1.58e6	1.55	NO	0.15	1.0000	30.79	30.79	1.182	1.181	NO	54.34	109	0.0563	
41	41		13C10-Oxychlordane	7.34e4	1.58e6	1.55	NO	0.04	1.0000	33.35	33.34	1.280	1.280	NO	52.58	105	0.194	



	#	Name	Resp	IS AREA	RA	Qty	RRF	Amt/Vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
22	22	cis-Nonachlor	3.92e3	8.85e4	1.41	NO	1.05	1.0000	38.94	38.93	1.000	1.000	NO	1.617	80.9	0.0584	1.62
23	23	Endosulfan II (beta)	6.48e3	2.89e4	1.80	NO	1.04	1.0000	39.69	39.67	1.000	1.000	NO	11.64	116	0.189	11.6
24	24	2,4'-DDD	3.85e4	1.06e6	1.61	NO	1.03	1.0000	37.90	37.89	1.000	1.000	NO	1.683	84.2	0.0432	1.68
25	25	2,4'-DDT	2.03e4	5.66e5	1.49	NO	1.02	1.0000	38.02	38.00	1.000	1.000	NO	1.779	88.9	0.0641	1.78
26	26	4,4'-DDD	3.22e4	8.29e5	1.44	NO	1.10	1.0000	39.15	39.14	1.000	1.000	NO	1.769	88.5	0.0489	1.76
27	27	4,4'-DDT	1.54e4	3.98e5	1.44	NO	1.11	1.0000	40.21	40.23	1.000	1.001	NO	1.748	87.4	0.102	1.75
28	28	Endosulfan Sulfate	6.94e3	3.51e4	1.48	NO	1.04	1.0000	41.40	41.38	1.000	1.000	NO	9.527	95.3	0.186	9.53
29	29	4,4'-Methoxychlor	9.38e4	4.44e6	5.48	NO	1.16	1.0000	43.25	43.24	1.000	1.000	NO	9.126	91.3	0.0588	9.13
30	30	Mirex	1.09e4	3.33e5	1.51	NO	1.02	1.0000	43.85	43.88	1.000	1.001	NO	1.597	79.8	0.0196	1.60
31	31	Endrin Aldehyde	8.19e3	4.06e5	0.85	NO	1.19	1.0000	40.81	40.78	1.001	1.000	NO	8.504	85.0	0.216	8.50
32	32	Endrin Ketone	6.74e3	3.65e5	0.81	NO	1.04	1.0000	43.99	43.98	1.000	1.000	NO	8.877	88.8	0.304	8.88
33	33	13C4-Hexachlorobutadi...	3.54e6	1.58e6	1.31	NO	0.20	1.0000	9.97	9.97	0.383	0.383	NO	566.8	114	0.00821	
34	34	13C6-Hexachlorobenzo...	1.42e6	1.58e6	1.27	NO	0.89	1.0000	22.88	22.88	0.870	0.871	NO	50.18	100	0.00295	
35	35	13C6-Alpha-BHC	3.87e5	1.58e6	0.80	NO	0.25	1.0000	23.23	23.21	0.891	0.891	NO	49.98	99.9	0.144	
36	36	13C6-Lindane (gamma)	2.98e5	1.58e6	0.77	NO	0.19	1.0000	26.57	26.55	1.020	1.019	NO	49.24	98.5	0.190	
37	37	13C6-Beta-BHC	2.86e5	1.58e6	0.79	NO	0.13	1.0000	28.58	28.58	1.097	1.097	NO	49.68	99.4	0.275	
38	38	13C6-Delta-BHC	2.53e5	1.58e6	0.78	NO	0.17	1.0000	30.25	30.22	1.161	1.160	NO	48.42	96.8	0.218	
39	39	13C10-Heptachlor	1.73e5	1.58e6	1.35	NO	0.11	1.0000	28.71	28.71	1.102	1.102	NO	51.28	103	0.0489	
40	40	13C12-Aldrin	2.62e5	1.58e6	1.56	NO	0.15	1.0000	30.79	30.79	1.182	1.181	NO	54.34	109	0.0563	
41	41	13C10-Oxychlordane	7.34e4	1.58e6	1.55	NO	0.04	1.0000	33.35	33.34	1.280	1.280	NO	52.50	105	0.194	

Dataset: Untitled

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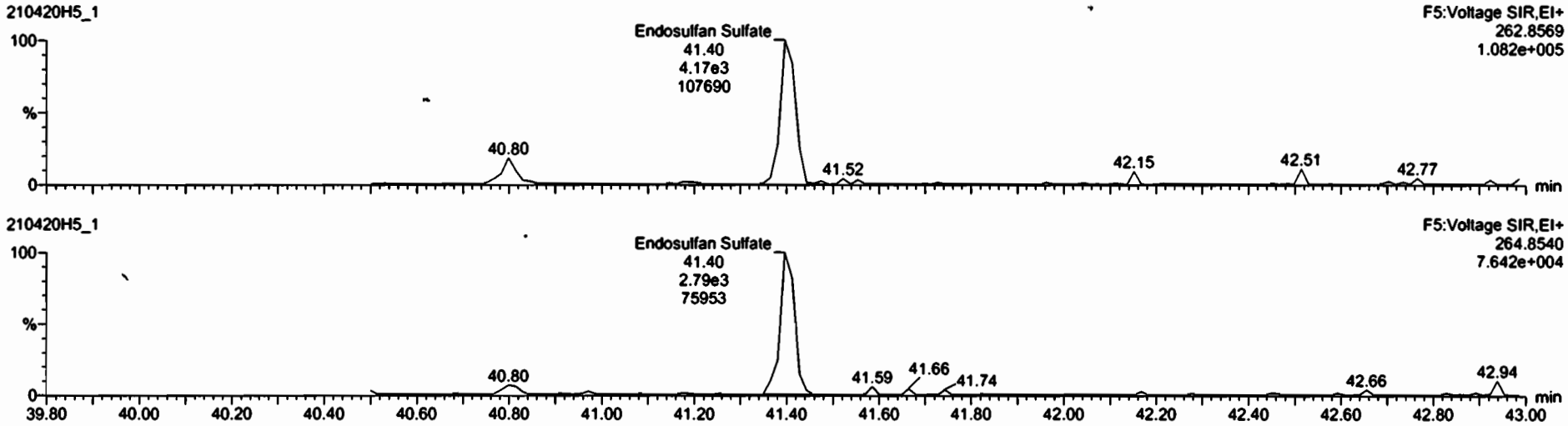
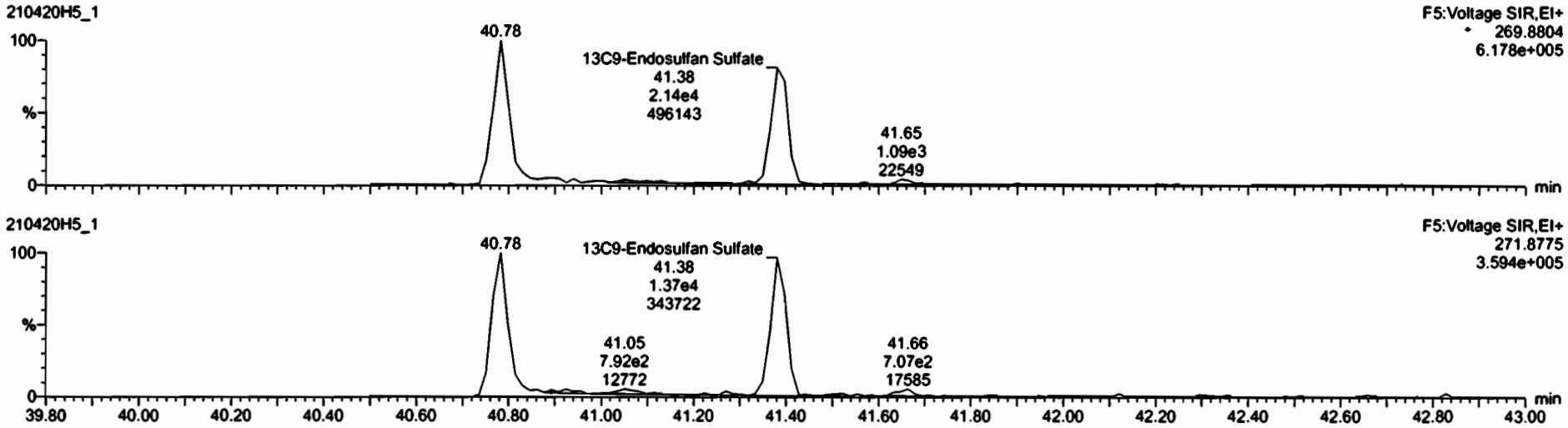
Name: 210420H5_1, Date: 20-Apr-2021, Time: 18:15:12, ID: ST210420H5_1 1699 CS1 21D0901, Description: 1699 CS1 21D0901

Endosulfan Sulfate



13C9-Endosulfan Sulfate



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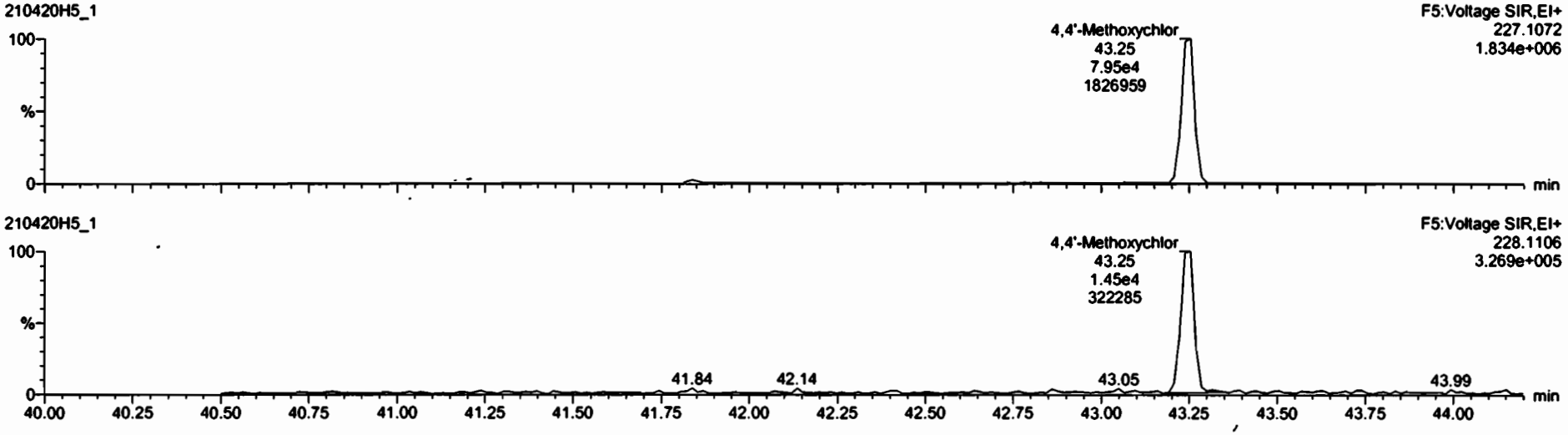
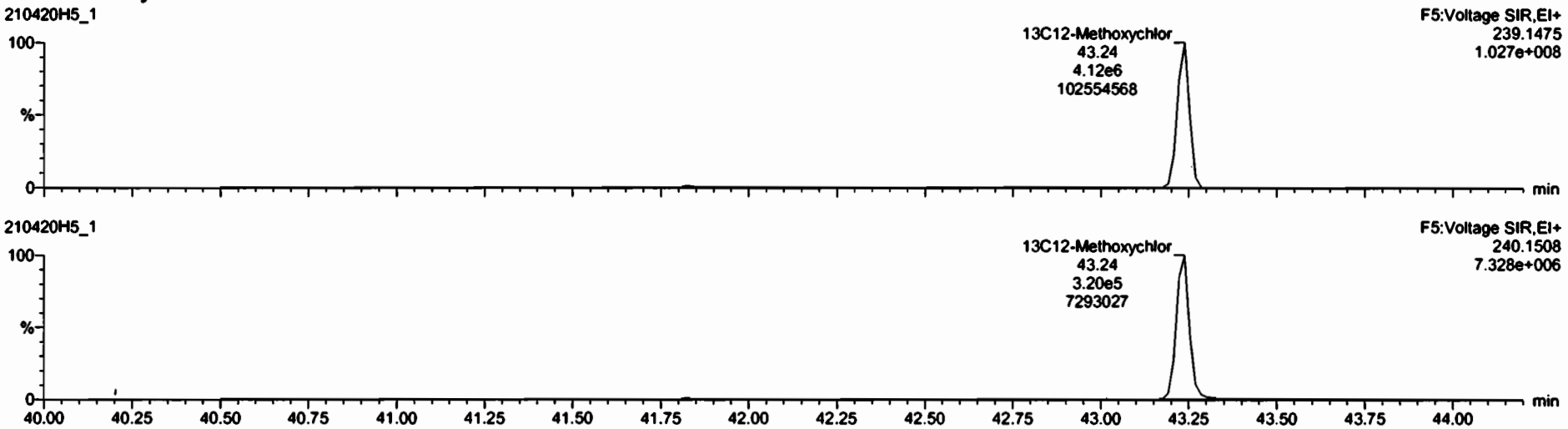
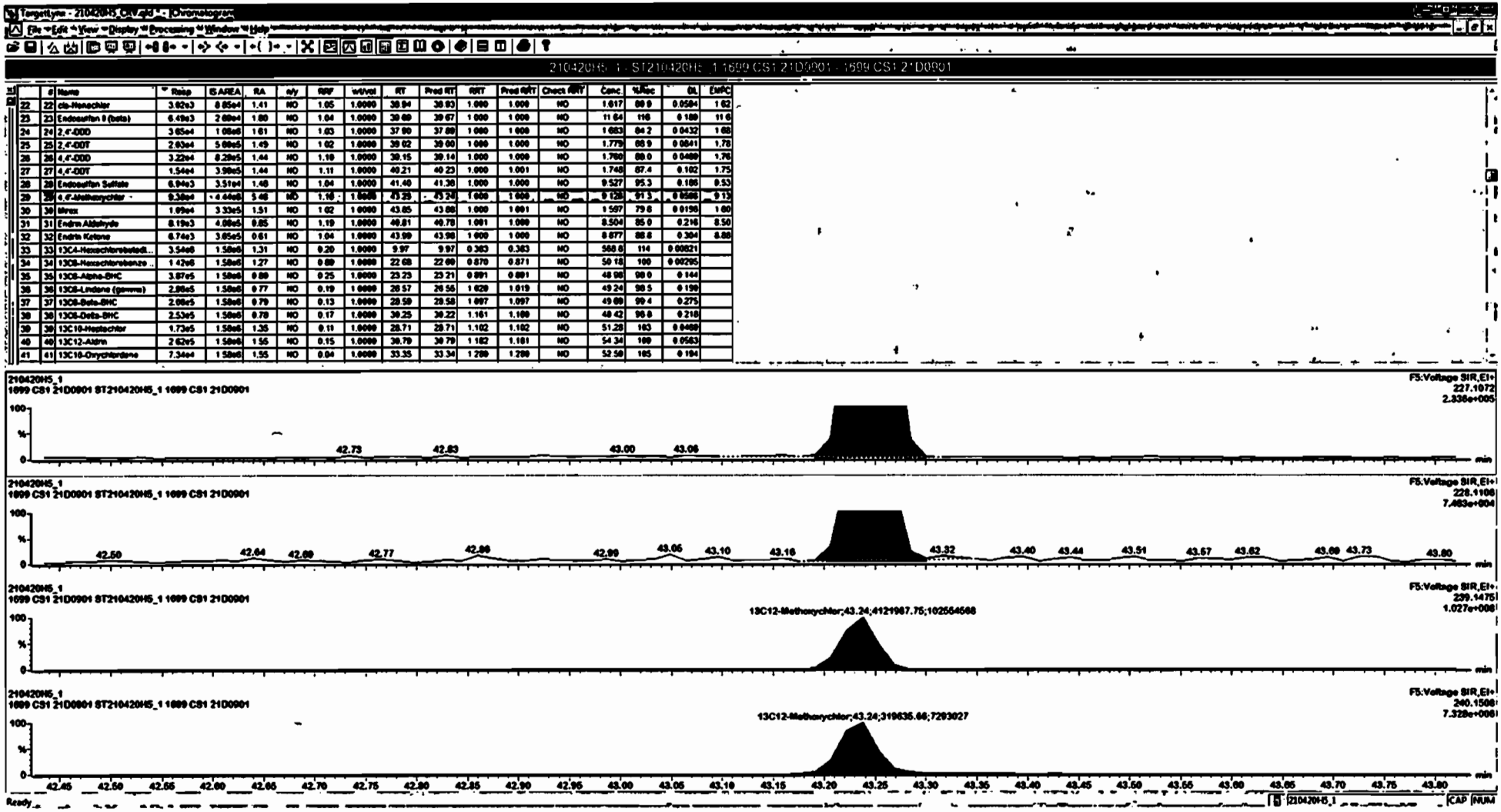
Name: 210420H5_1, Date: 20-Apr-2021, Time: 18:15:12, ID: ST210420H5_1 1699 CS1 21D0901, Description: 1699 CS1 21D0901

4,4'-Methoxychlor



13C12-Methoxychlor





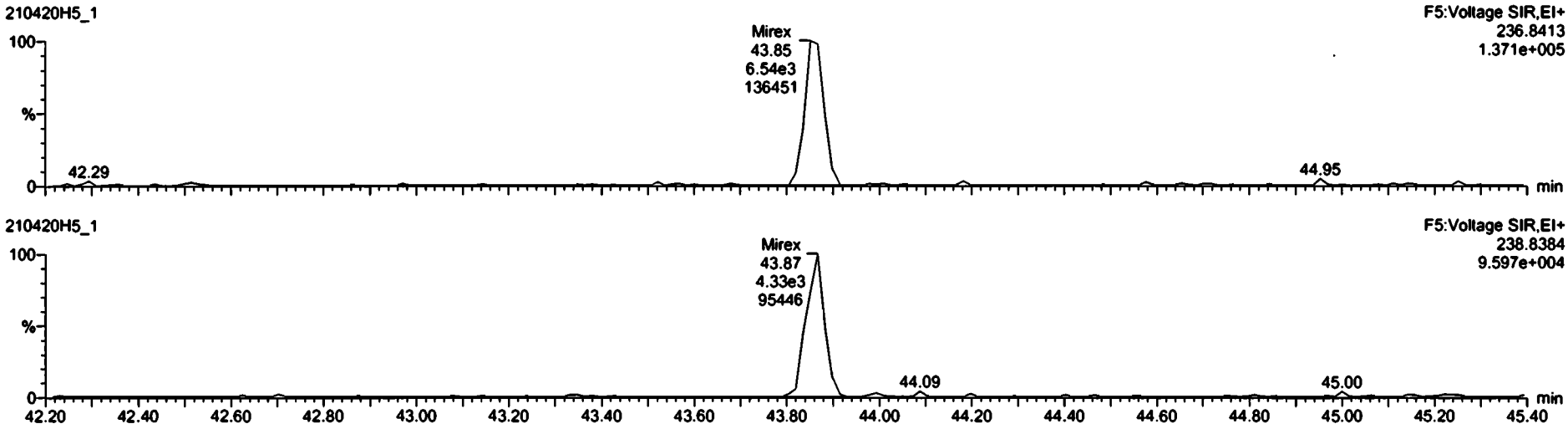
	#	Name	Resp	IS AREA	RA	rdy	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
22	22	cis-Nonachlor	3.82e3	8.85e4	1.41	NO	1.05	1.0000	38.94	38.93	1.000	1.000	NO	1.617	80.9	0.0584	1.62
23	23	Endosulfan II (beta)	6.49e3	2.69e4	1.80	NO	1.04	1.0000	39.69	39.67	1.000	1.000	NO	11.64	116	0.189	11.6
24	24	2,4'-DDD	3.65e4	1.08e6	1.61	NO	1.03	1.0000	37.90	37.89	1.000	1.000	NO	1.683	84.2	0.0432	1.68
25	25	2,4'-DDT	2.63e4	5.68e5	1.49	NO	1.02	1.0000	39.02	39.00	1.000	1.000	NO	1.779	88.9	0.0841	1.78
26	26	4,4'-DDD	3.22e4	8.28e5	1.44	NO	1.10	1.0000	39.15	39.14	1.000	1.000	NO	1.760	88.0	0.0488	1.76
27	27	4,4'-DDT	1.54e4	3.98e5	1.44	NO	1.11	1.0000	40.21	40.23	1.000	1.001	NO	1.748	87.4	0.102	1.75
28	28	Endosulfan Sulfate	6.94e3	3.51e4	1.48	NO	1.04	1.0000	41.40	41.38	1.000	1.000	NO	9.527	95.3	0.186	9.53
29	29	4,4'-Methoxychlor	9.38e4	1.44e6	5.48	NO	1.16	1.0000	43.25	43.24	1.000	1.000	NO	9.126	91.3	0.0586	9.13
30	30	Mirex	1.69e4	3.33e5	1.51	NO	1.02	1.0000	43.85	43.86	1.000	1.001	NO	1.597	79.8	0.0196	1.60
31	31	Endrin Aldehyde	8.19e3	4.08e5	0.85	NO	1.19	1.0000	40.81	40.78	1.001	1.000	NO	8.504	85.0	0.218	8.50
32	32	Endrin Ketone	8.74e3	3.85e5	0.61	NO	1.04	1.0000	43.99	43.98	1.000	1.000	NO	8.877	88.8	0.304	8.88
33	33	13C4-Hexachlorobenzene	3.54e6	1.58e6	1.31	NO	0.20	1.0000	9.97	9.97	0.363	0.363	NO	588.6	114	0.00021	
34	34	13C6-Hexachlorobenzene	1.42e6	1.58e6	1.27	NO	0.89	1.0000	22.68	22.69	0.870	0.871	NO	50.18	100	0.00295	
35	35	13C6-Alpha-BHC	3.87e5	1.58e6	0.89	NO	0.25	1.0000	25.25	25.21	0.991	0.991	NO	48.98	98.0	0.144	
36	36	13C6-Lindane (gamma)	2.86e5	1.58e6	0.77	NO	0.19	1.0000	28.57	28.56	1.020	1.019	NO	49.24	98.5	0.159	
37	37	13C6-Beta-BHC	2.08e5	1.58e6	0.79	NO	0.13	1.0000	28.59	28.58	1.097	1.097	NO	49.69	99.4	0.275	
38	38	13C6-Delta-BHC	2.53e5	1.58e6	0.78	NO	0.17	1.0000	30.25	30.22	1.161	1.160	NO	48.42	96.8	0.218	
39	39	13C10-Heptachlor	1.73e5	1.58e6	1.35	NO	0.11	1.0000	28.71	28.71	1.102	1.102	NO	51.28	103	0.0469	
40	40	13C12-Aldrin	2.62e5	1.58e6	1.56	NO	0.15	1.0000	30.79	30.79	1.182	1.181	NO	54.34	109	0.0563	
41	41	13C10-Oxychlordane	7.34e4	1.58e6	1.55	NO	0.04	1.0000	33.35	33.34	1.280	1.280	NO	52.59	105	0.194	

Dataset: Untitled

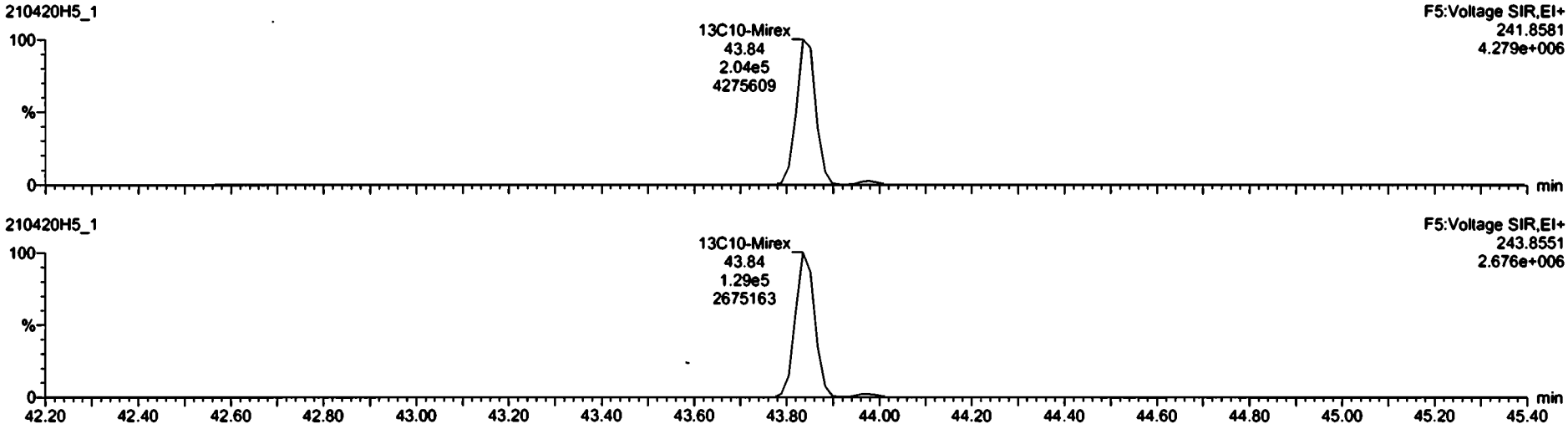
Last Altered: Wednesday, April 21, 2021 10:40:25 Pacific Daylight Time
Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

Name: 210420H5_1, Date: 20-Apr-2021, Time: 18:15:12, ID: ST210420H5_1 1699 CS1 21D0901, Description: 1699 CS1 21D0901

Mirex



13C10-Mirex



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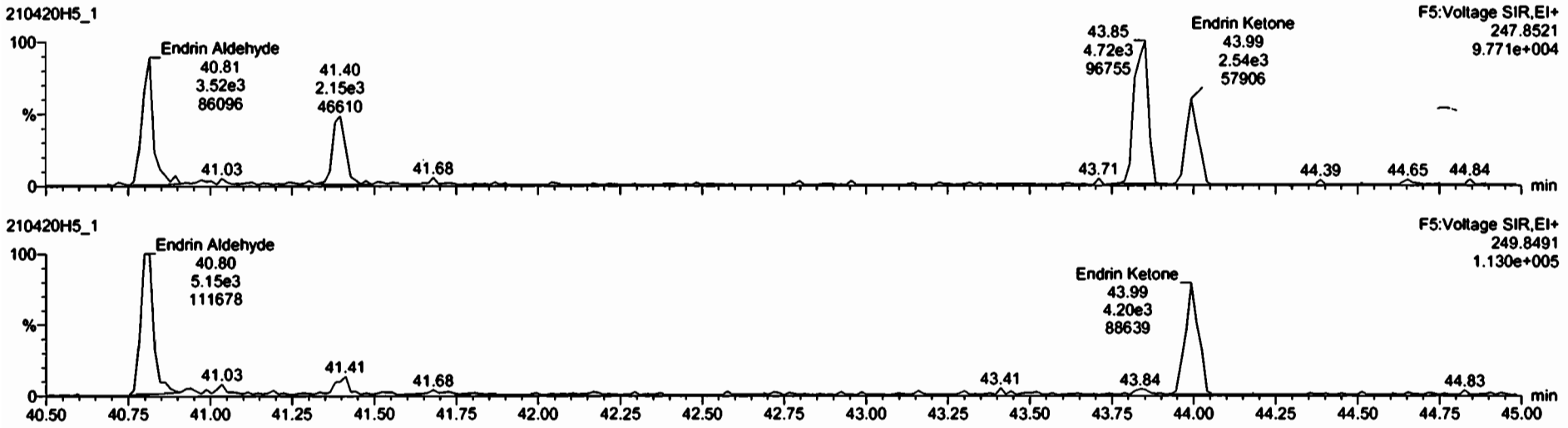
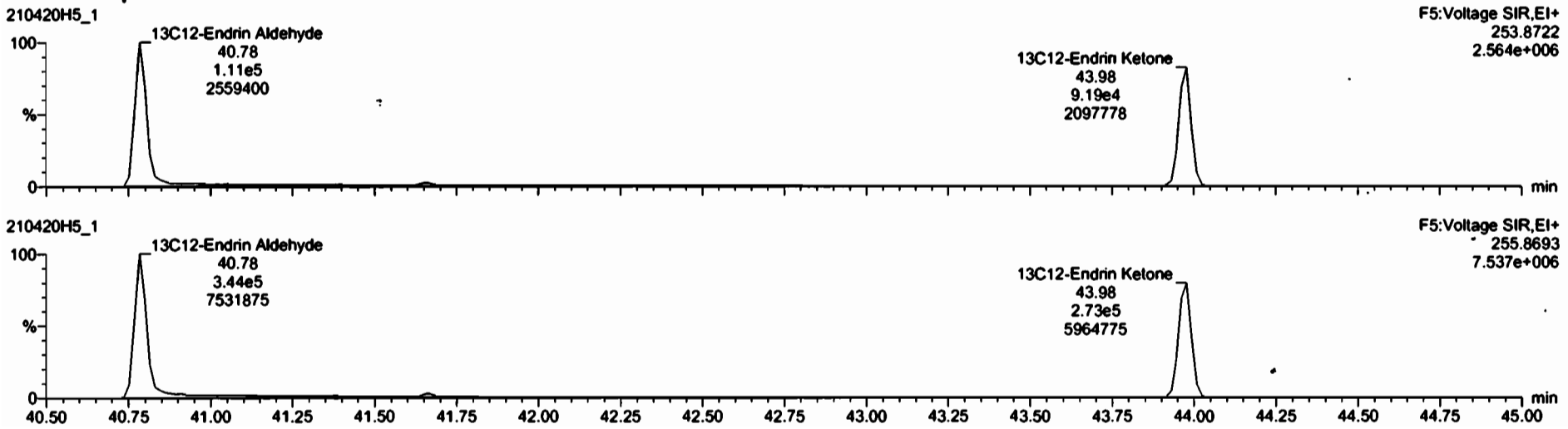
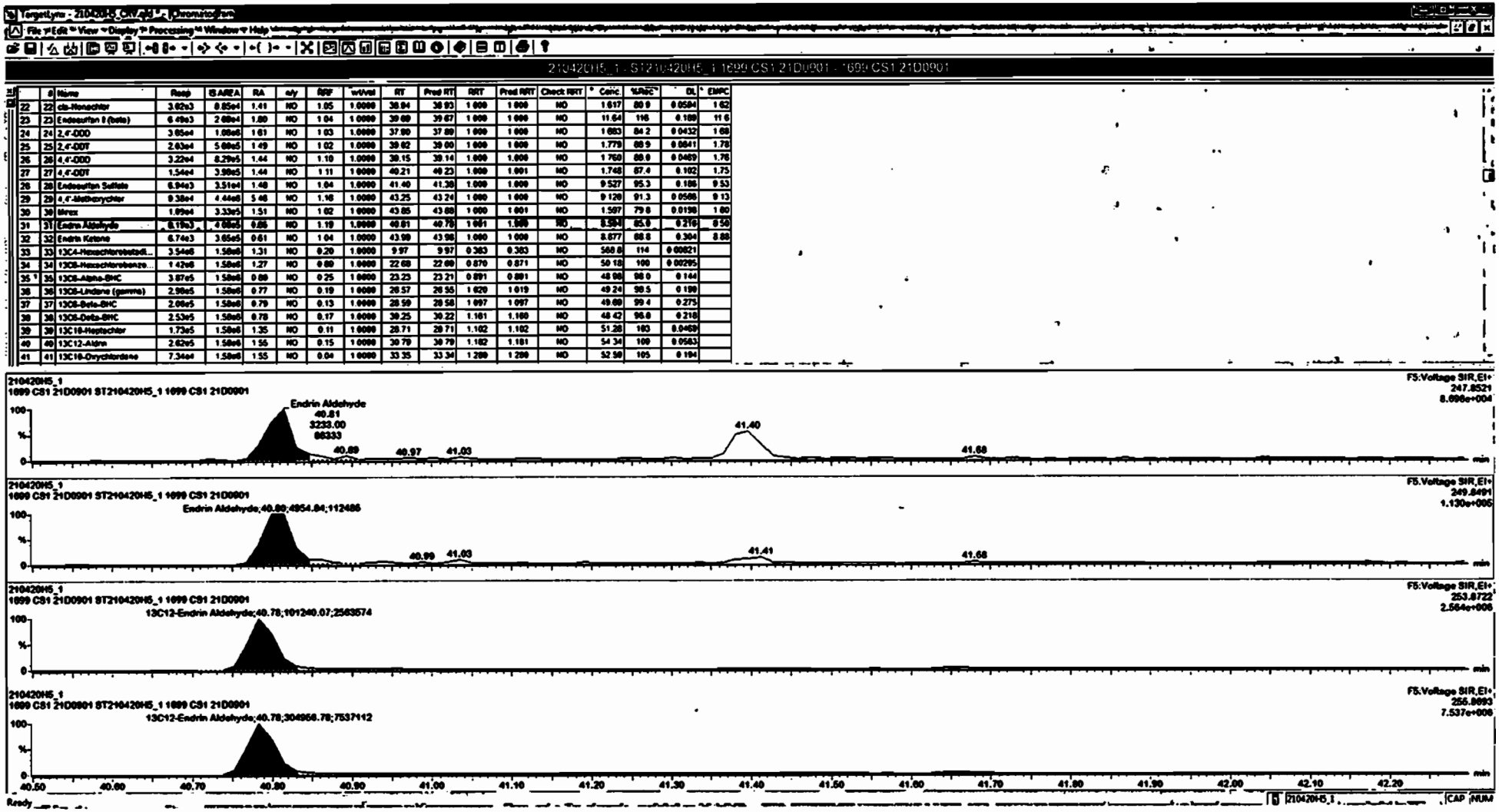
Name: 210420H5_1, Date: 20-Apr-2021, Time: 18:15:12, ID: ST210420H5_1 1699 CS1 21D0901, Description: 1699 CS1 21D0901

EA-EK



EA-EK-Isotopes





	#	Name	Resp	IS AREA	RA	qly	RRF	wtVal	RT	Pred RT	RRT	Pred RRT	Check RRT	% Conc.	%Rec	DL	EMPC
22	22	cis-Nonachlor	3.62e3	8.85e4	1.41	NO	1.05	1.0000	38.94	38.93	1.000	1.000	NO	1.617	80.9	0.0584	1.62
23	23	Endosulfan II (beta)	6.49e3	2.68e4	1.80	NO	1.04	1.0000	39.68	39.67	1.000	1.000	NO	11.64	116	0.189	11.6
24	24	2,4'-DDD	3.85e4	1.88e6	1.61	NO	1.03	1.0000	37.90	37.89	1.000	1.000	NO	1.683	84.2	0.0432	1.68
25	25	2,4'-DDT	2.63e4	5.69e5	1.49	NO	1.02	1.0000	39.02	39.00	1.000	1.000	NO	1.779	88.9	0.0841	1.78
26	26	4,4'-DDD	3.22e4	8.29e5	1.44	NO	1.10	1.0000	38.15	38.14	1.000	1.000	NO	1.760	88.0	0.0469	1.76
27	27	4,4'-DDT	1.54e4	3.90e5	1.44	NO	1.11	1.0000	40.21	40.23	1.000	1.001	NO	1.748	87.4	0.102	1.75
28	28	Endosulfan Sulfate	6.94e3	3.51e4	1.48	NO	1.04	1.0000	41.40	41.38	1.000	1.000	NO	9.527	95.3	0.186	9.53
29	29	4,4'-Methoxychlor	9.38e4	4.44e6	5.48	NO	1.16	1.0000	43.25	43.24	1.000	1.000	NO	9.126	91.3	0.0588	9.13
30	30	Mirex	1.09e4	3.33e5	1.51	NO	1.02	1.0000	43.85	43.88	1.000	1.001	NO	1.597	79.8	0.0198	1.60
31	31	Endrin Aldehyde	8.19e3	4.68e5	0.86	NO	1.19	1.0000	40.81	40.78	1.001	1.000	NO	8.581	85.8	0.216	8.58
32	32	Endrin Ketone	6.74e3	3.65e5	0.61	NO	1.04	1.0000	43.98	43.98	1.000	1.000	NO	8.877	88.8	0.304	8.88
33	33	13C4-Hexachlorobutadi...	3.54e6	1.58e6	1.31	NO	0.20	1.0000	9.97	9.97	0.383	0.383	NO	566.8	114	0.00021	
34	34	13C6-Hexachlorobenze...	1.42e6	1.58e6	1.27	NO	0.69	1.0000	22.68	22.69	0.870	0.871	NO	50.18	100	0.00295	
35	35	13C6-Alpha-BHC	3.87e5	1.58e6	0.99	NO	0.25	1.0000	23.23	23.21	0.891	0.891	NO	48.98	98.0	0.144	
36	36	13C6-Lindane (gamma)	2.98e5	1.58e6	0.77	NO	0.19	1.0000	26.57	26.55	1.020	1.019	NO	49.24	98.5	0.190	
37	37	13C6-Beta-BHC	2.66e5	1.58e6	0.79	NO	0.13	1.0000	28.59	28.58	1.097	1.097	NO	49.69	99.4	0.275	
38	38	13C6-Delta-BHC	2.53e5	1.58e6	0.78	NO	0.17	1.0000	30.25	30.22	1.161	1.160	NO	48.42	96.8	0.218	
39	39	13C10-Heptachlor	1.73e5	1.58e6	1.35	NO	0.11	1.0000	28.71	28.71	1.102	1.102	NO	51.26	103	0.0469	
40	40	13C12-Aldrin	2.62e5	1.58e6	1.56	NO	0.15	1.0000	30.79	30.79	1.182	1.181	NO	54.34	109	0.0583	
41	41	13C10-Oxychlordane	7.34e4	1.58e6	1.55	NO	0.04	1.0000	33.35	33.34	1.280	1.280	NO	52.59	105	0.194	

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Last Altered: Wednesday, April 21, 2021 10:40:25 Pacific Daylight Time
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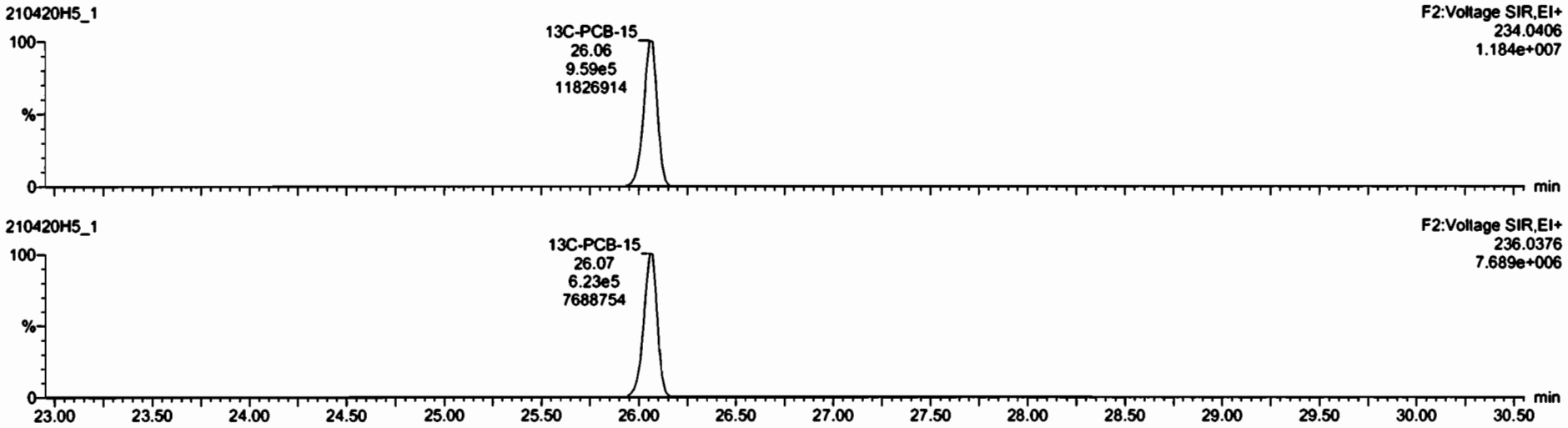
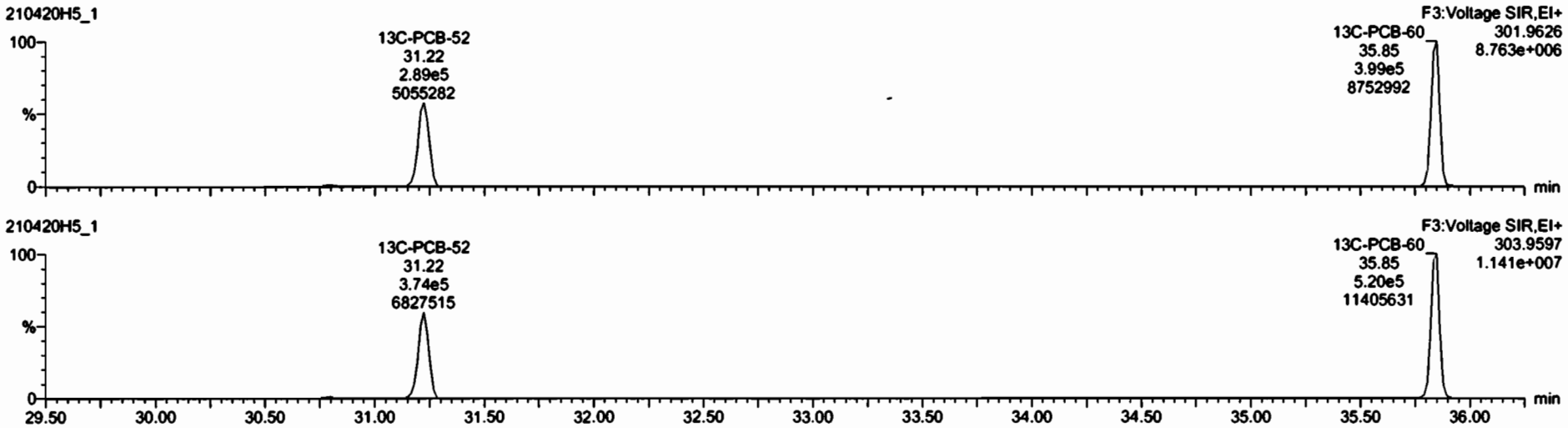
Name: 210420H5_1, Date: 20-Apr-2021, Time: 18:15:12, ID: ST210420H5_1 1699 CS1 21D0901, Description: 1699 CS1 21D0901

13C-PCB-15



13C-PCB-60



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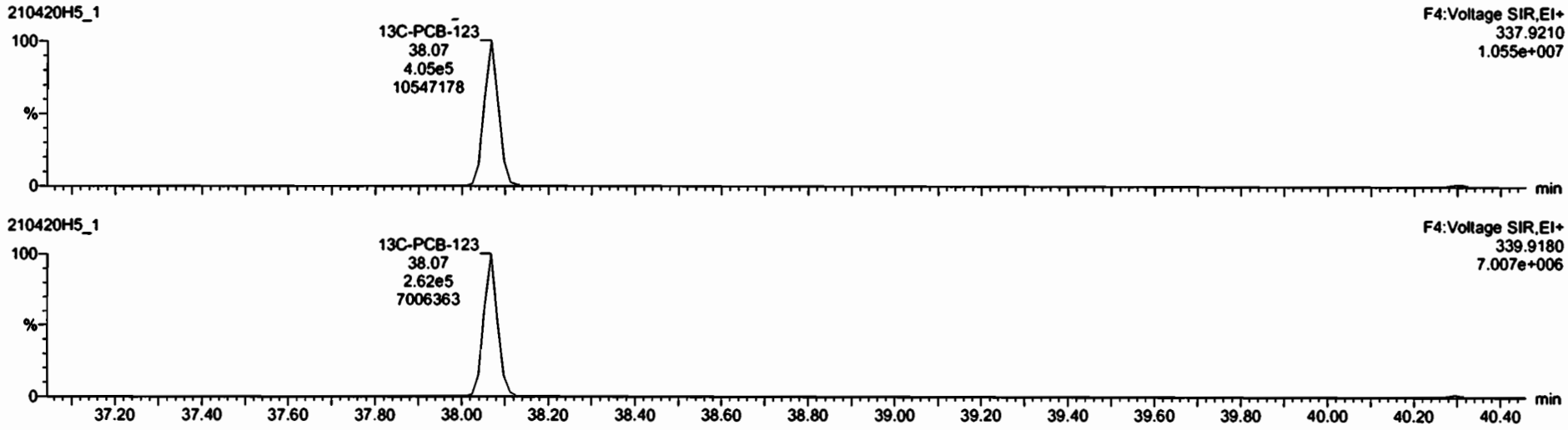
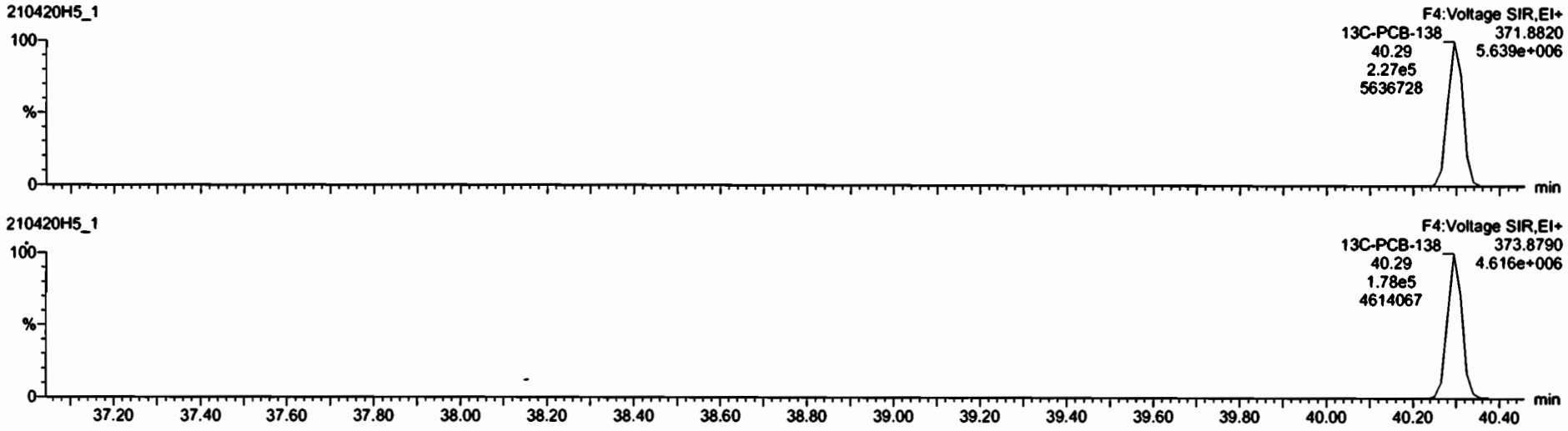
13C-PCB-123



13C-PCB-138



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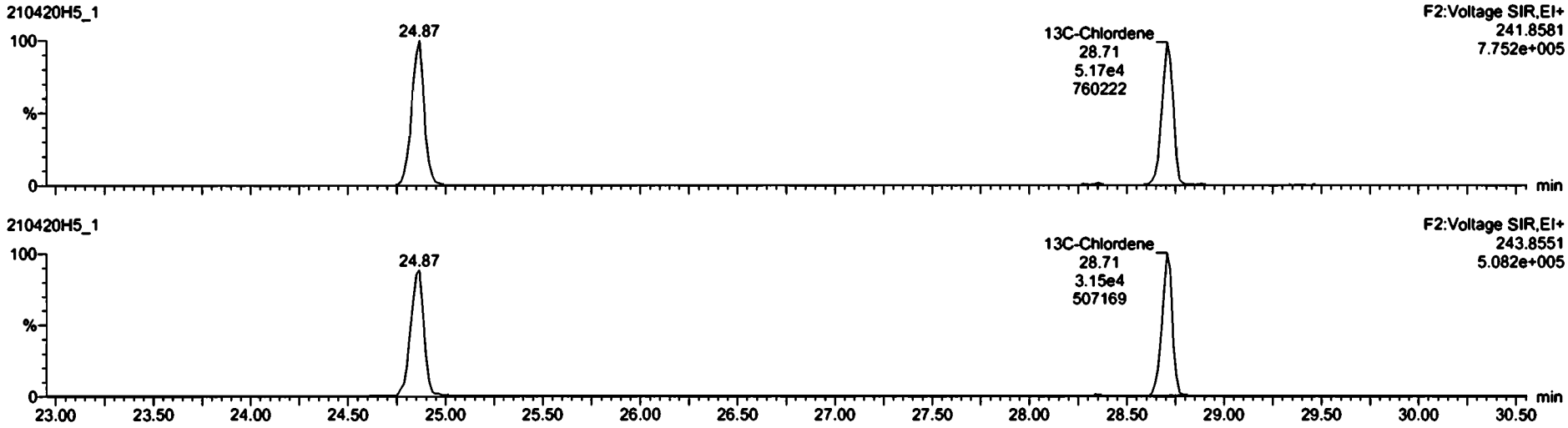
Name: 210420H5_1, Date: 20-Apr-2021, Time: 18:15:12, ID: ST210420H5_1 1699 CS1 21D0901, Description: 1699 CS1 21D0901

13C-Chlordene



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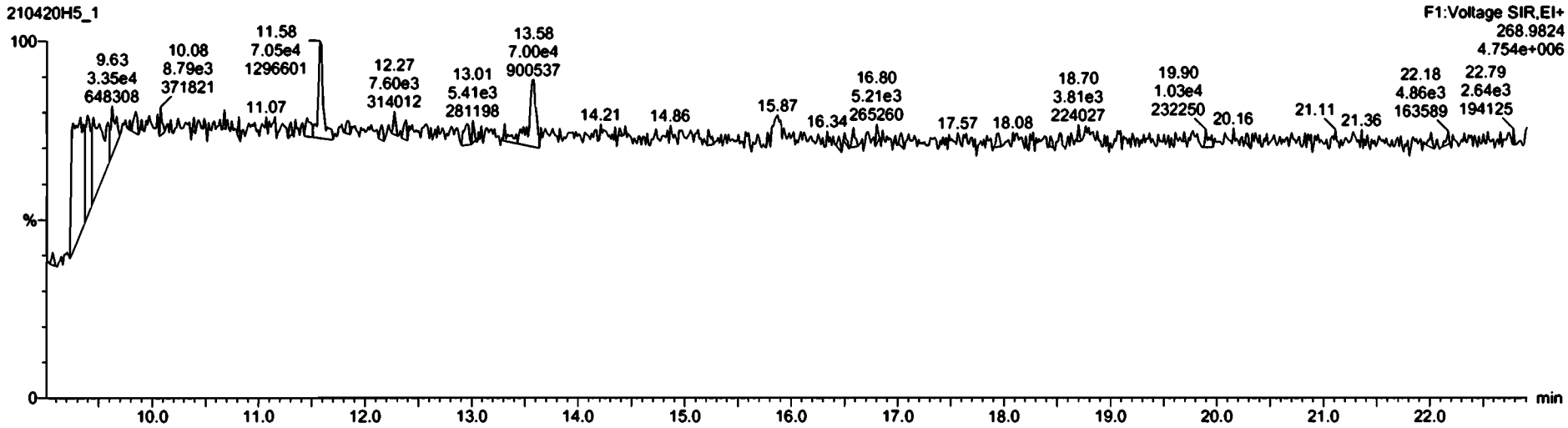

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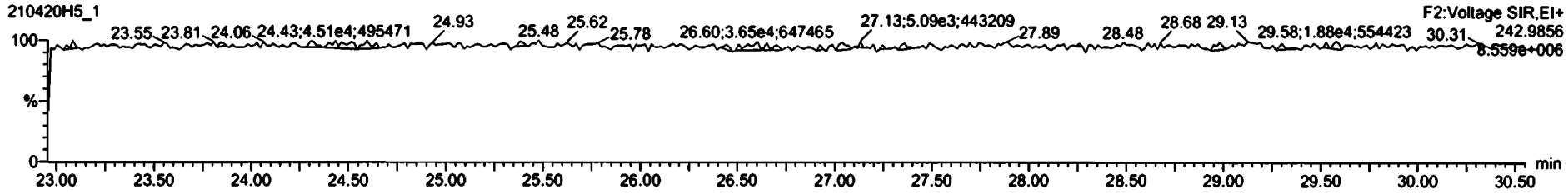

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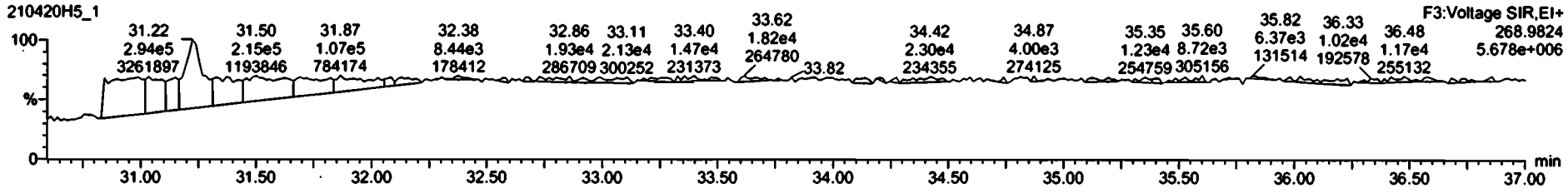

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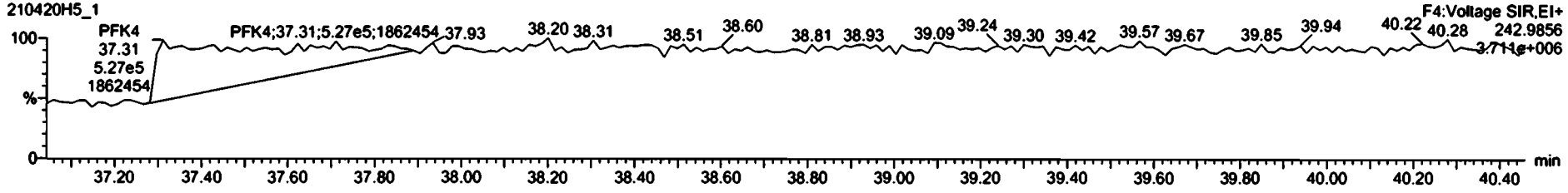

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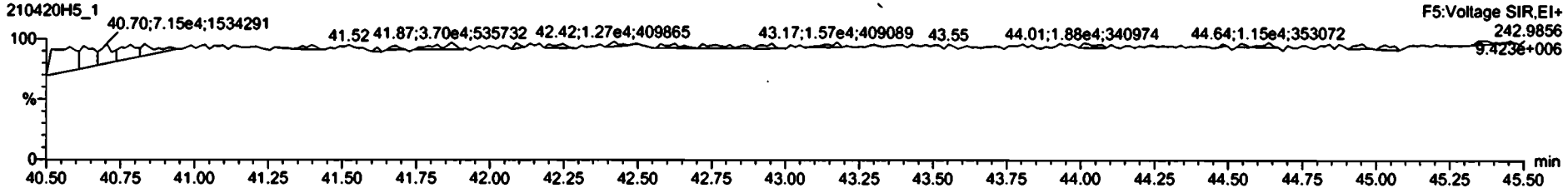

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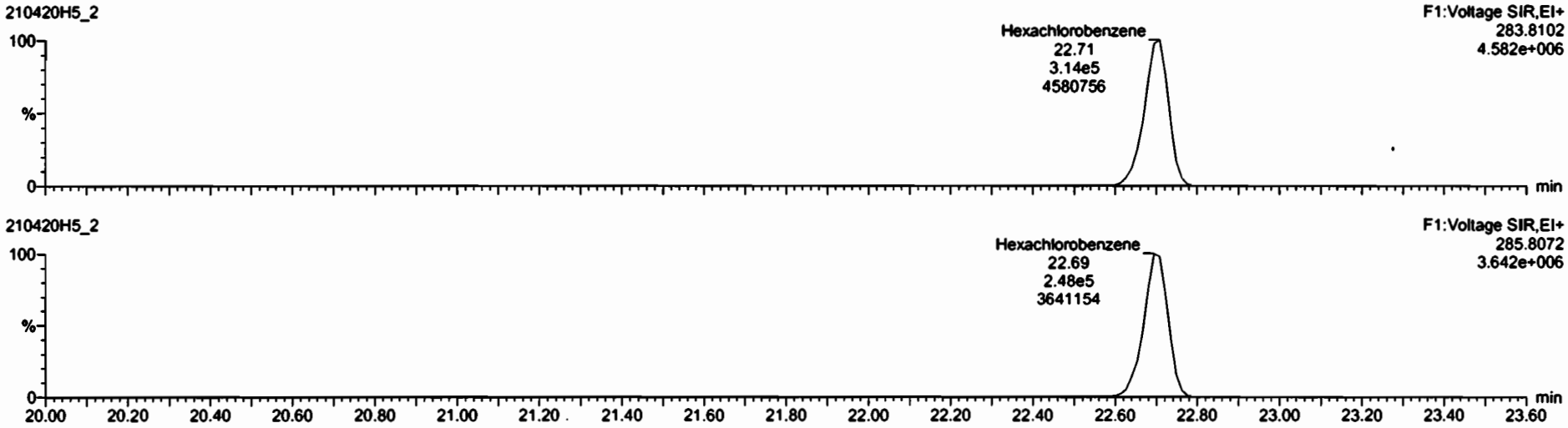
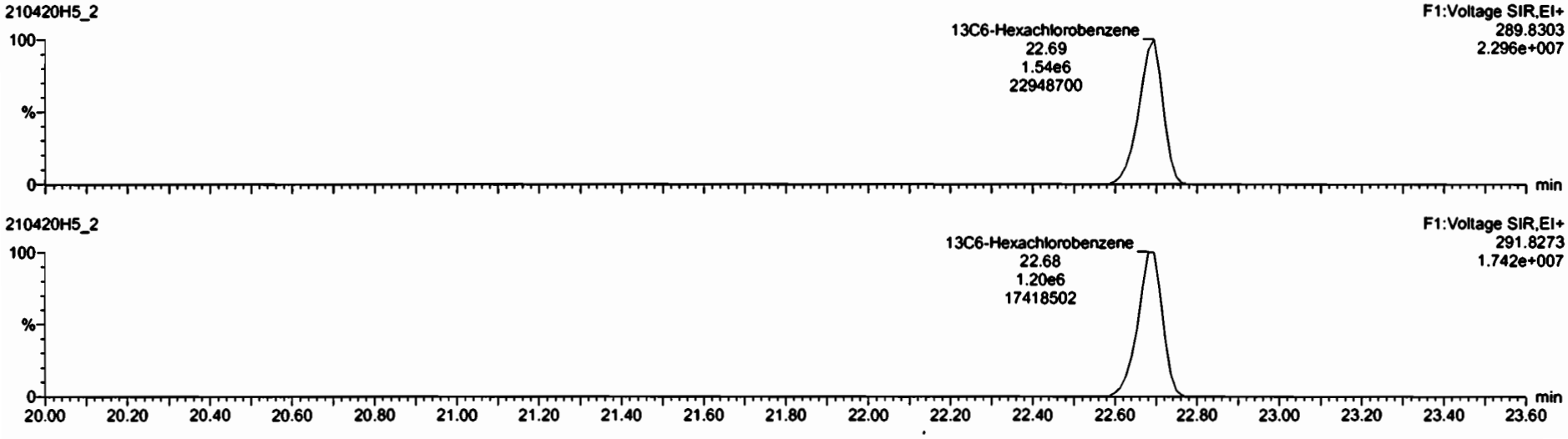
Name: 210420H5_2, Date: 20-Apr-2021, Time: 19:02:05, ID: ST210420H5_2 1699 CS2 20B2102, Description: 1699 CS2 20B2102

Hexachlorobenzene



13C6-Hexachlorobenzene



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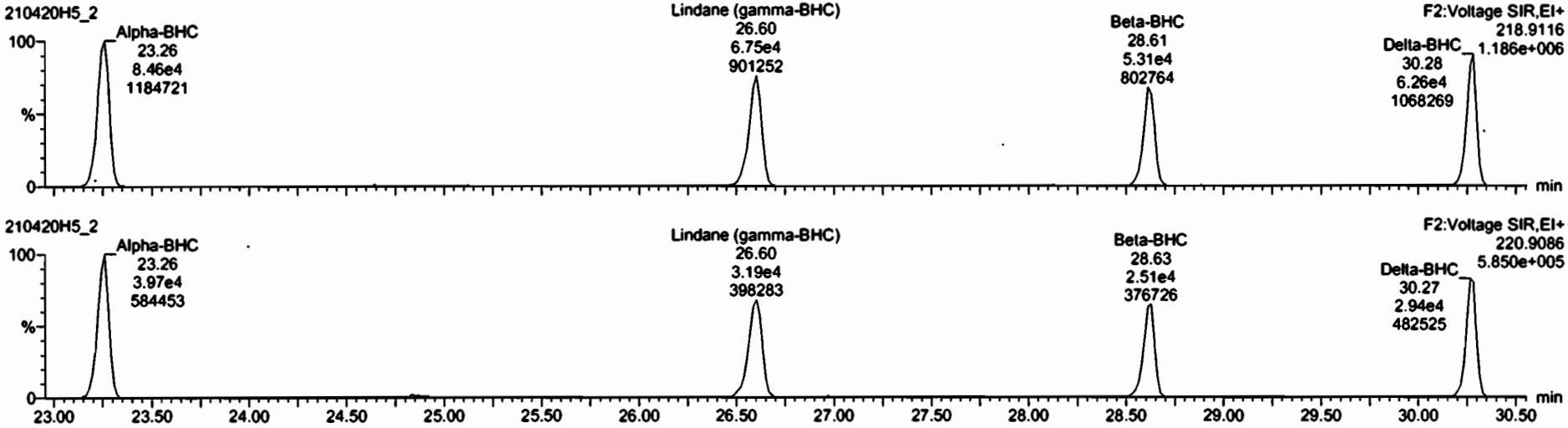
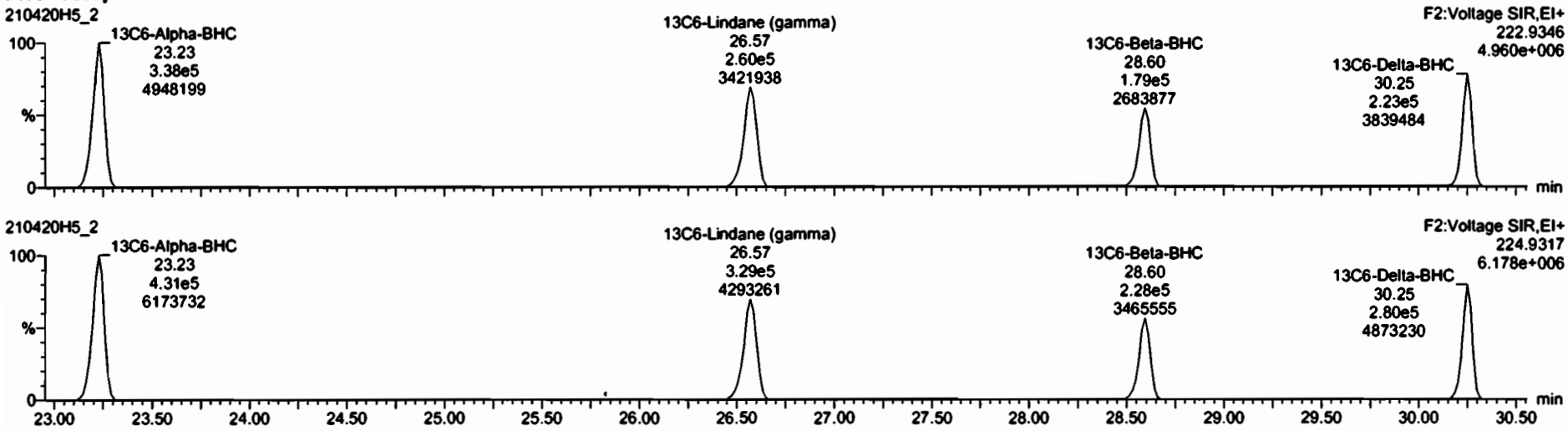
Name: 210420H5_2, Date: 20-Apr-2021, Time: 19:02:05, ID: ST210420H5_2 1699 CS2 20B2102, Description: 1699 CS2 20B2102

BHC Totals



BHC-Isotopes



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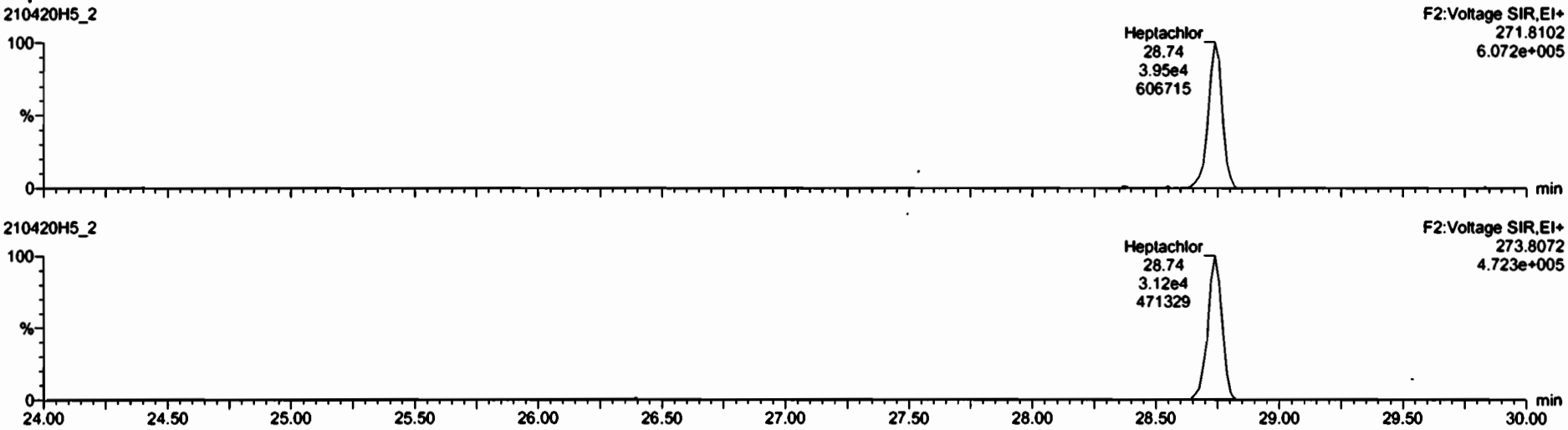
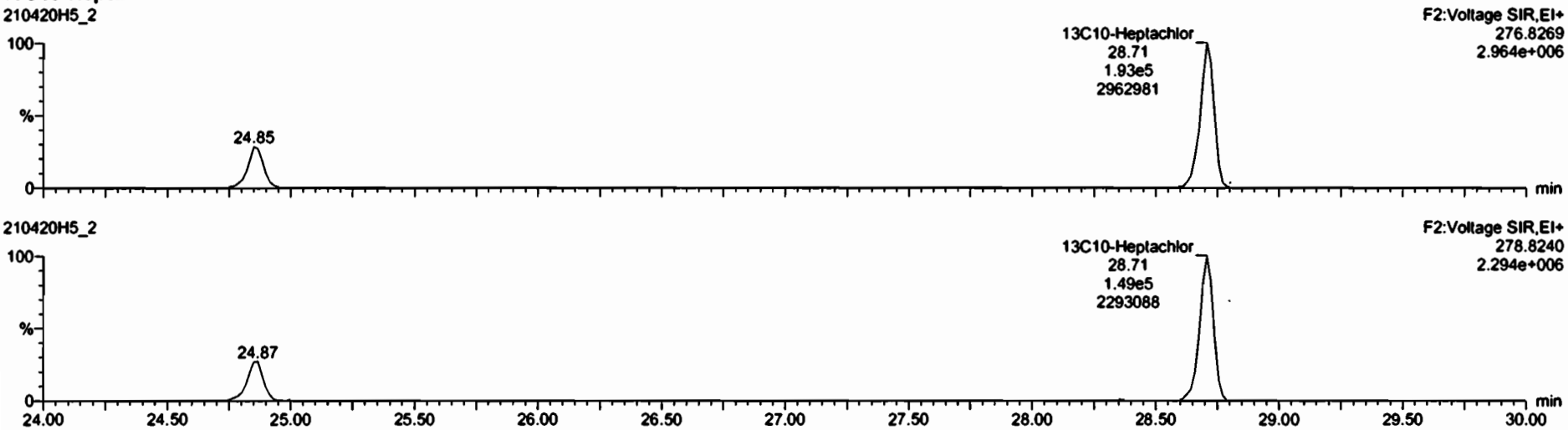
Heptachlor



13C10-Heptachlor



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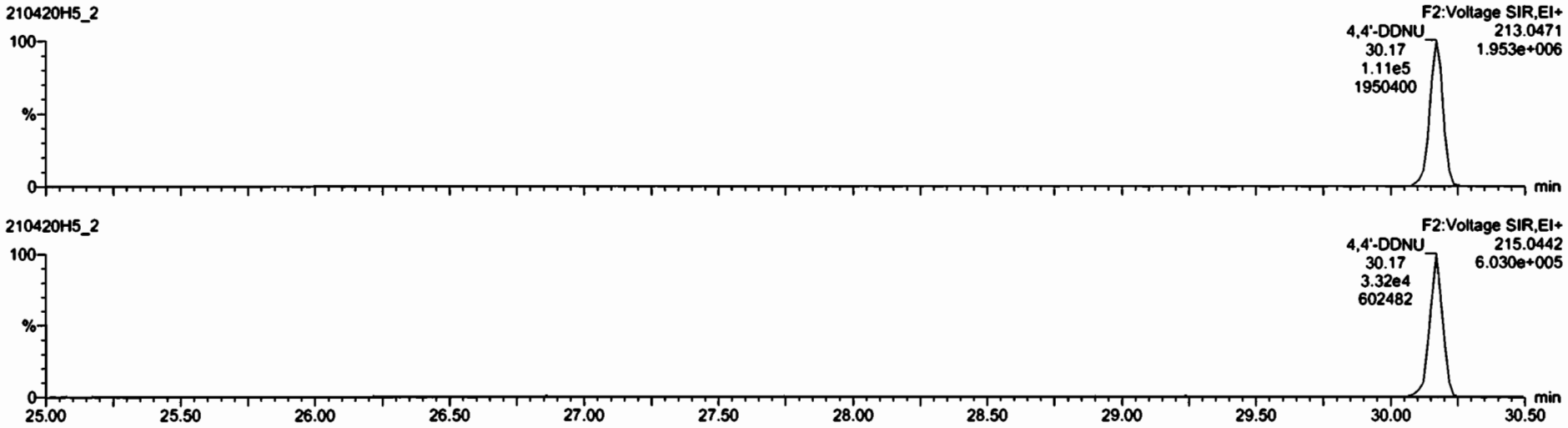
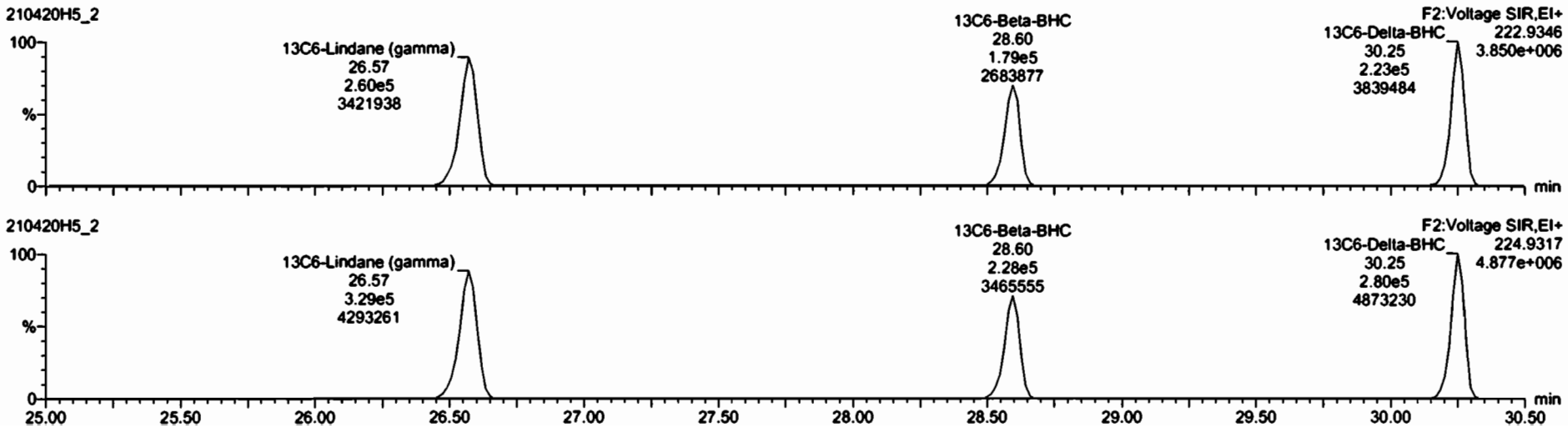
4,4'-DDNU



13C6-Delta-BHC



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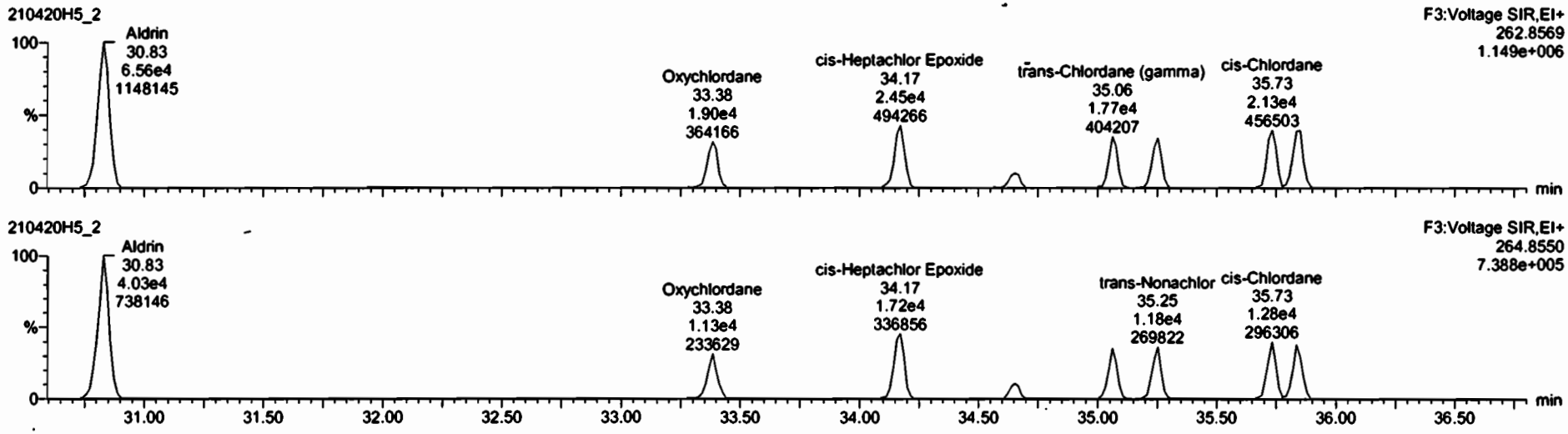
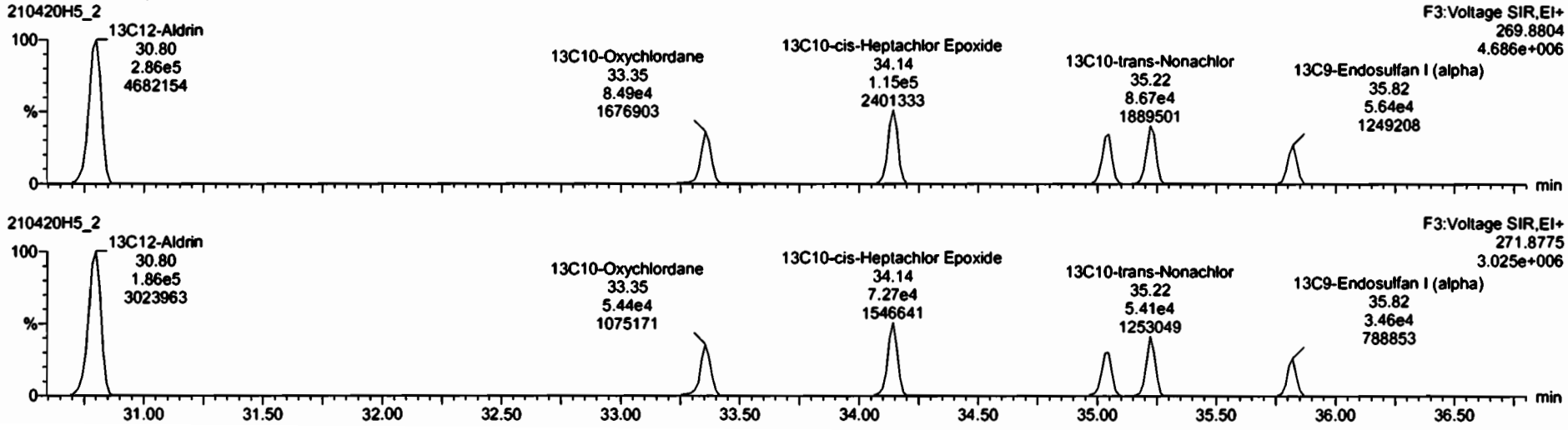
Name: 210420H5_2, Date: 20-Apr-2021, Time: 19:02:05, ID: ST210420H5_2 1699 CS2 20B2102, Description: 1699 CS2 20B2102

Aldrin-EI



Aldrin-EI-isotopes



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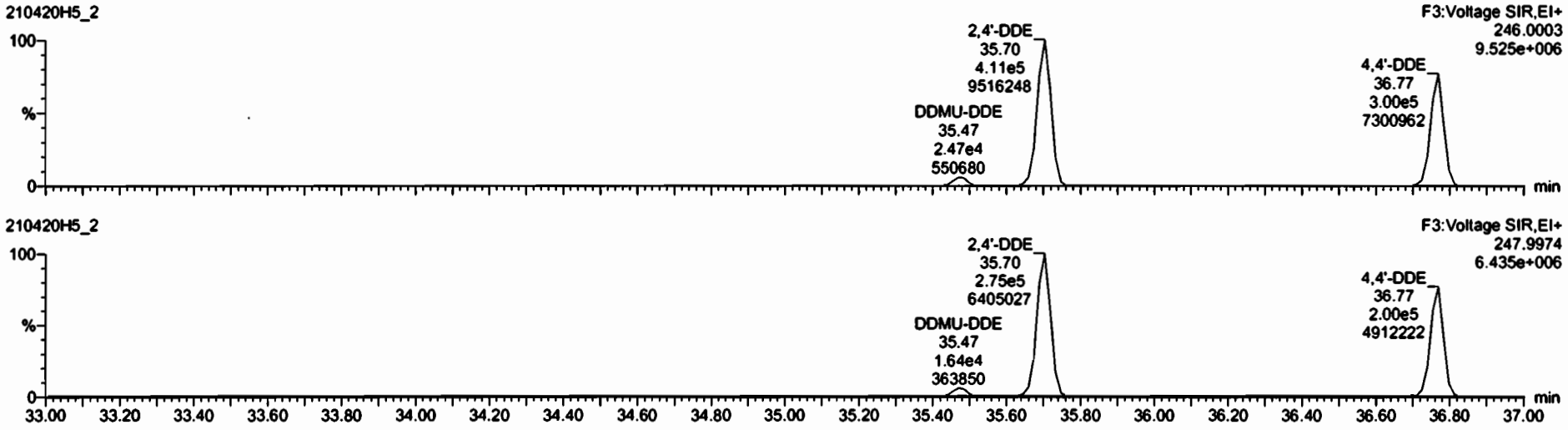
Last Altered: Wednesday, April 21, 2021 10:40:25 Pacific Daylight Time
Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

Name: 210420H5_2, Date: 20-Apr-2021, Time: 19:02:05, ID: ST210420H5_2 1699 CS2 20B2102, Description: 1699 CS2 20B2102

DDMU-DDE



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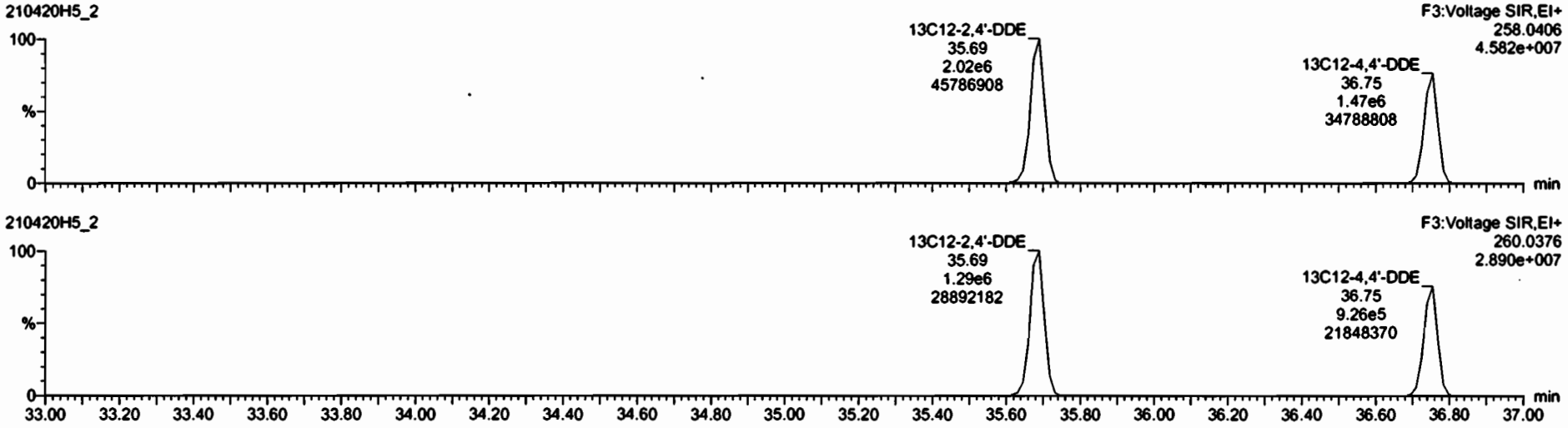

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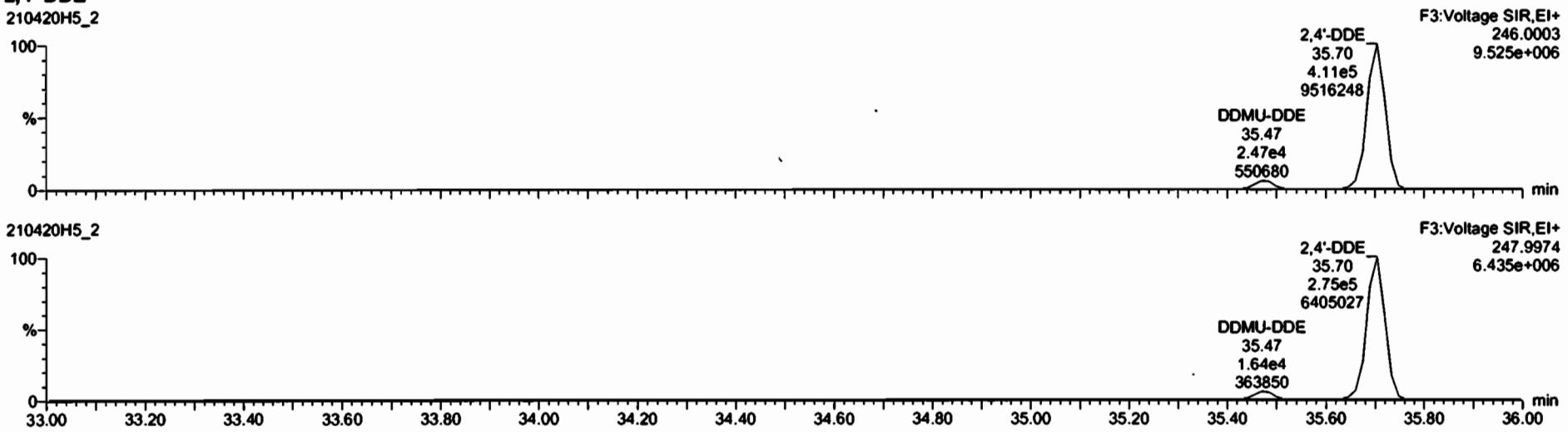
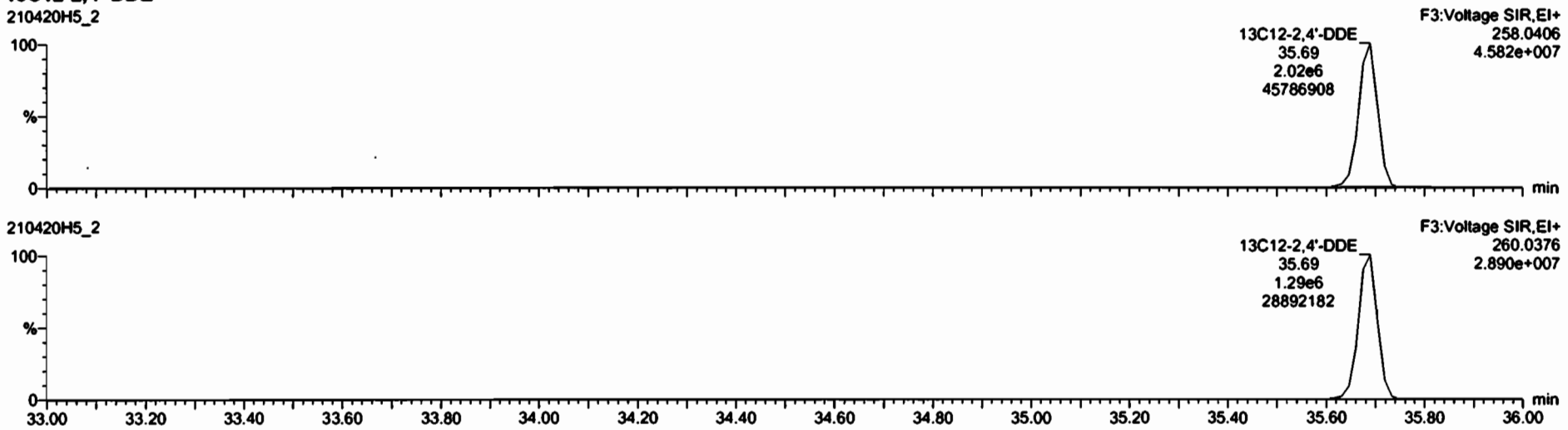
Name: 210420H5_2, Date: 20-Apr-2021, Time: 19:02:05, ID: ST210420H5_2 1699 CS2 20B2102, Description: 1699 CS2 20B2102

2,4'-DDE



13C12-2,4'-DDE



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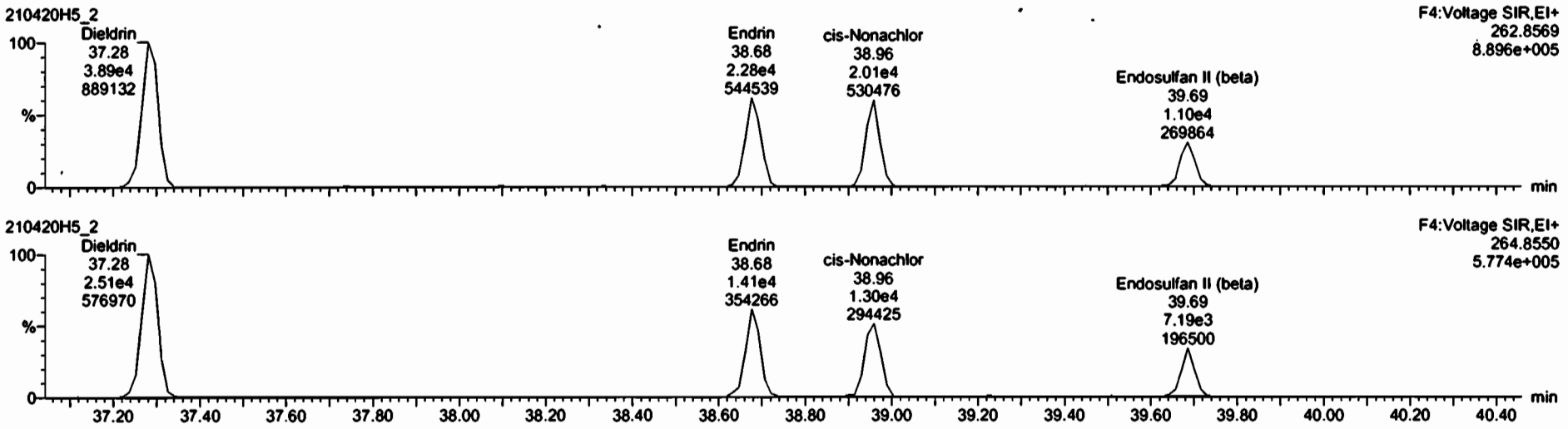
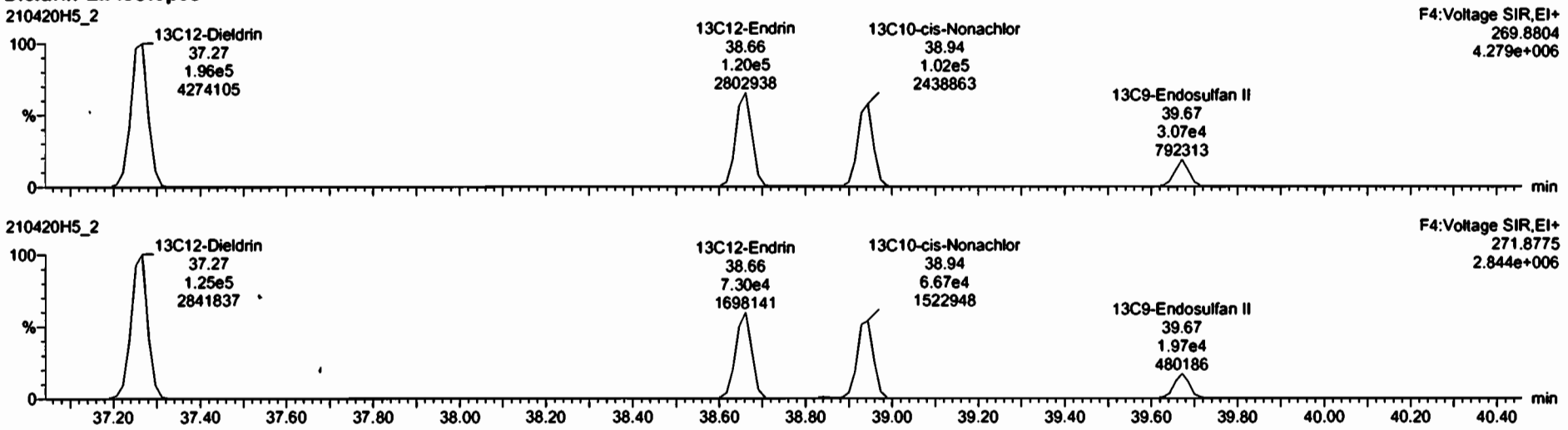
Name: 210420H5_2, Date: 20-Apr-2021, Time: 19:02:05, ID: ST210420H5_2 1699 CS2 20B2102, Description: 1699 CS2 20B2102

Dieldrin-EII



Dieldrin-EII-isotopes



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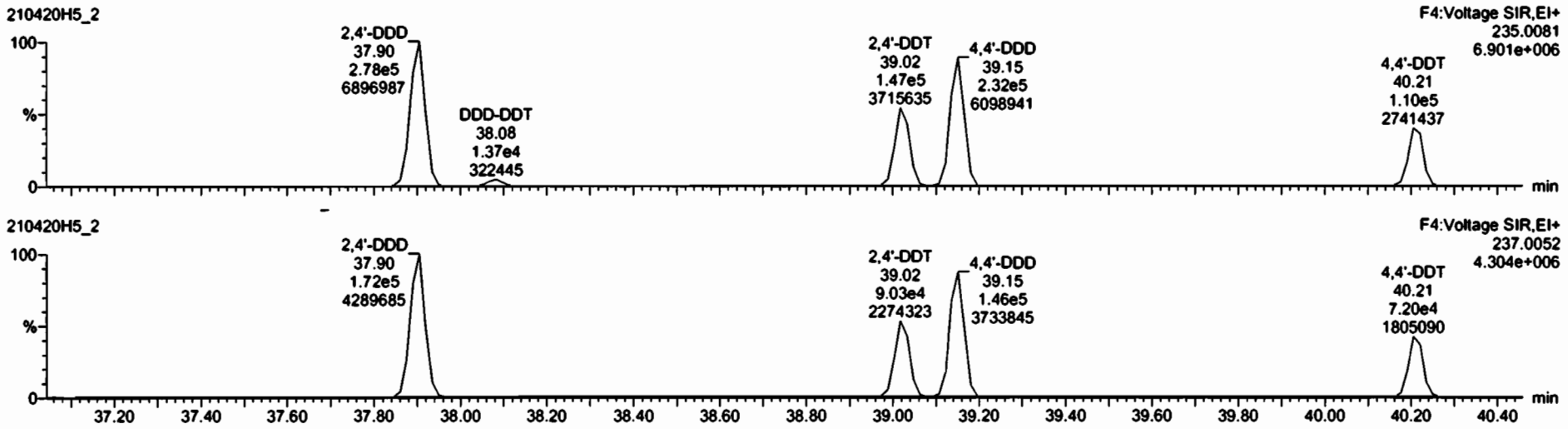
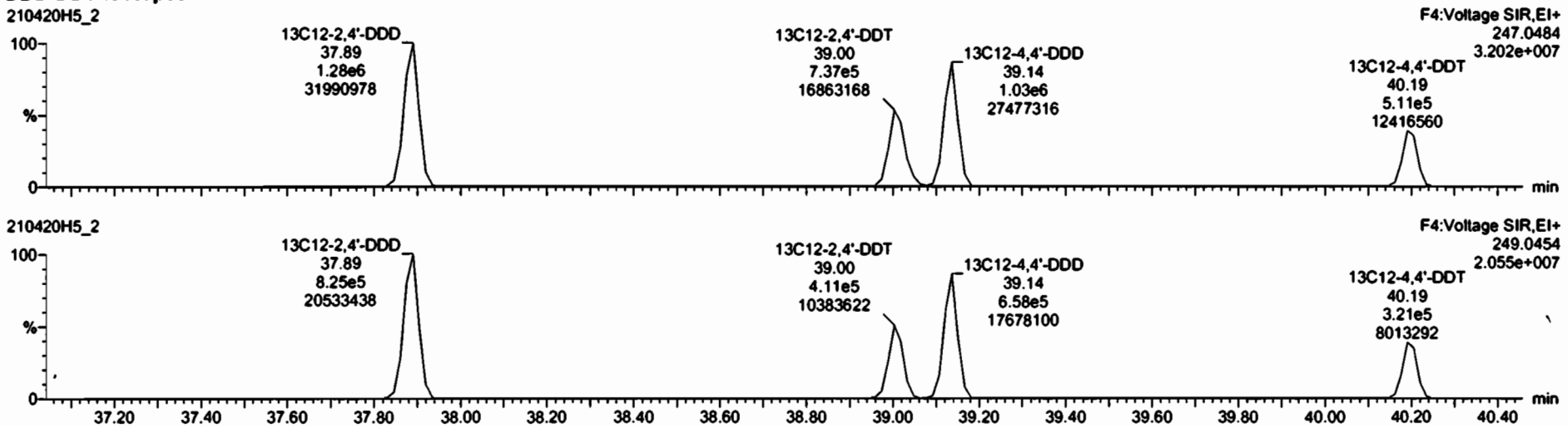
DDD-DDT



DDD-DDT-isotopes



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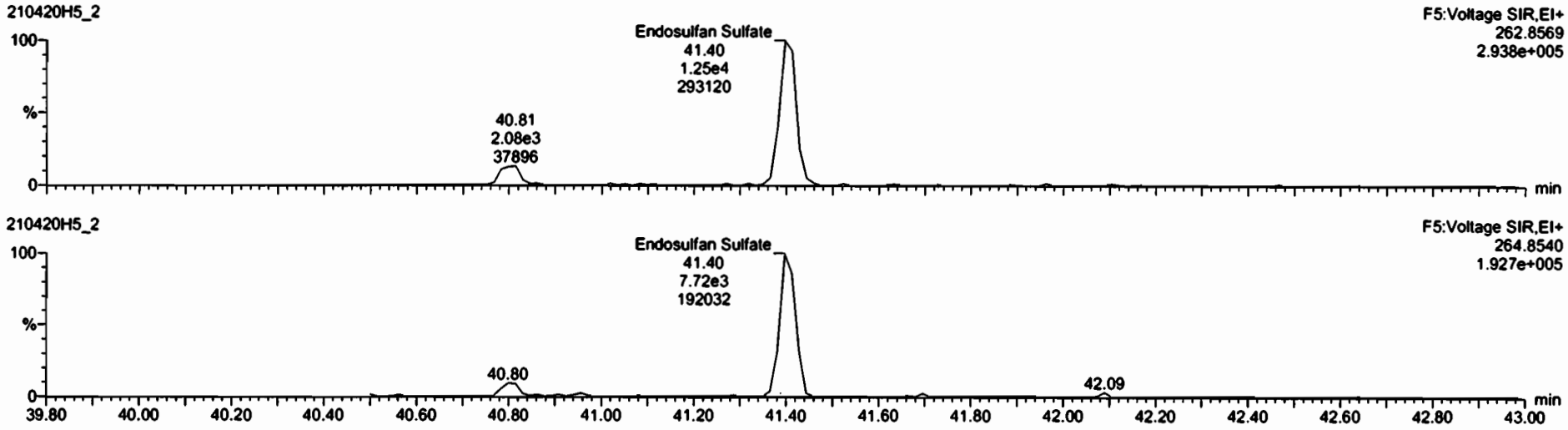
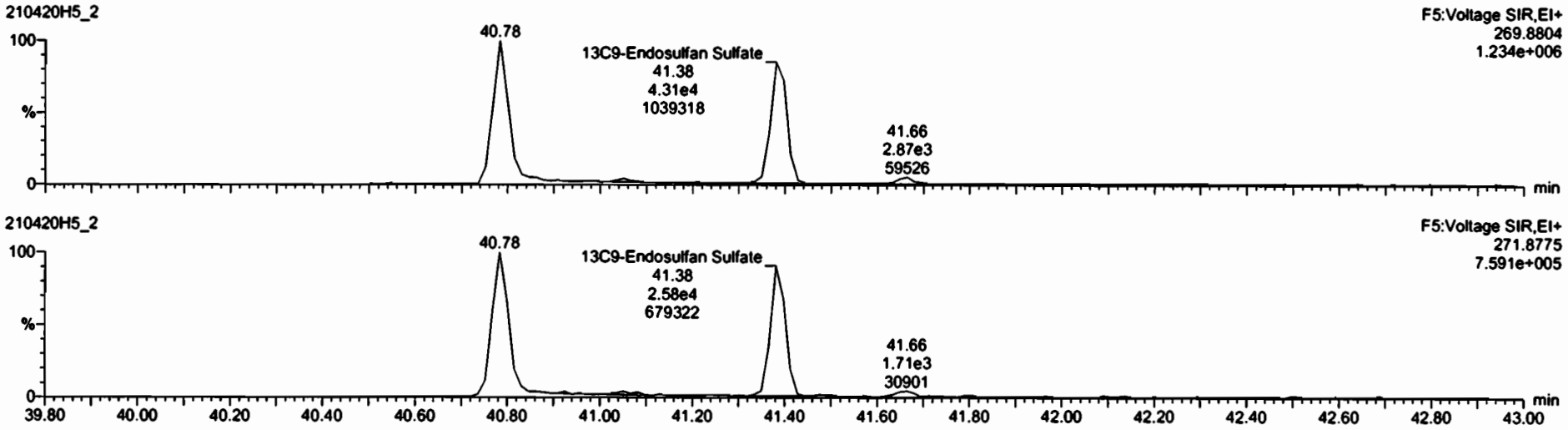
Name: 210420H5_2, Date: 20-Apr-2021, Time: 19:02:05, ID: ST210420H5_2 1699 CS2 20B2102, Description: 1699 CS2 20B2102

Endosulfan Sulfate



13C9-Endosulfan Sulfate



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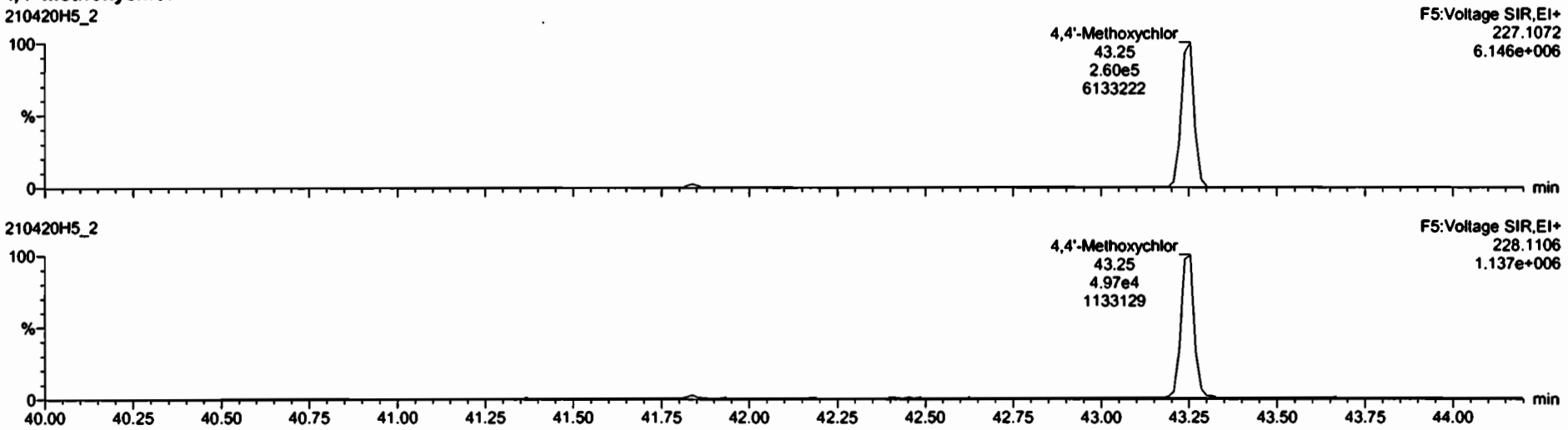
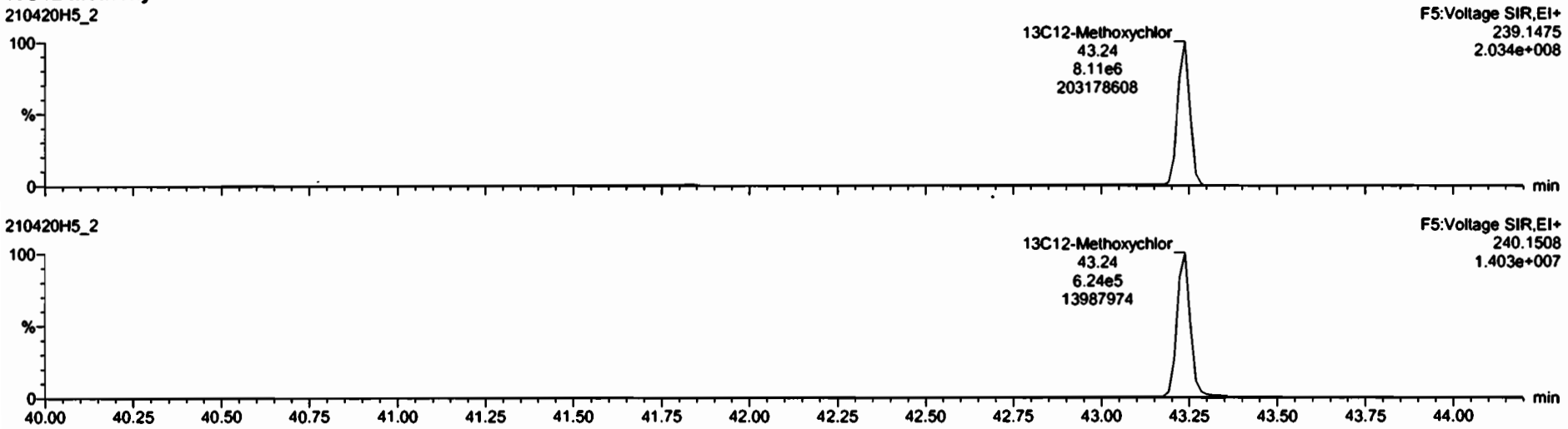
Name: 210420H5_2, Date: 20-Apr-2021, Time: 19:02:05, ID: ST210420H5_2 1699 CS2 20B2102, Description: 1699 CS2 20B2102

4,4'-Methoxychlor



13C12-Methoxychlor



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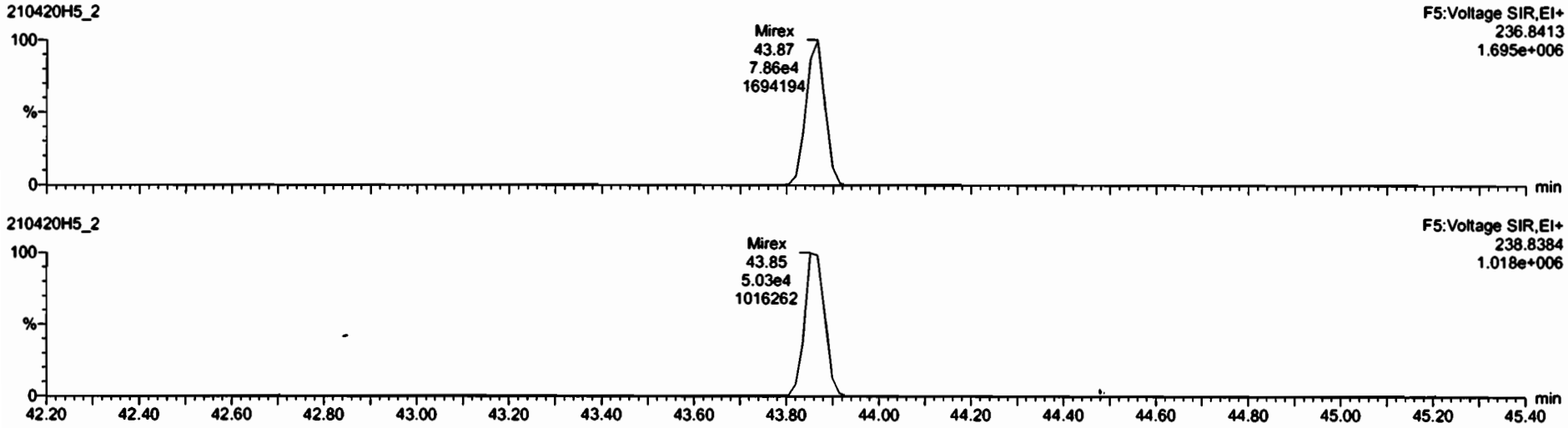
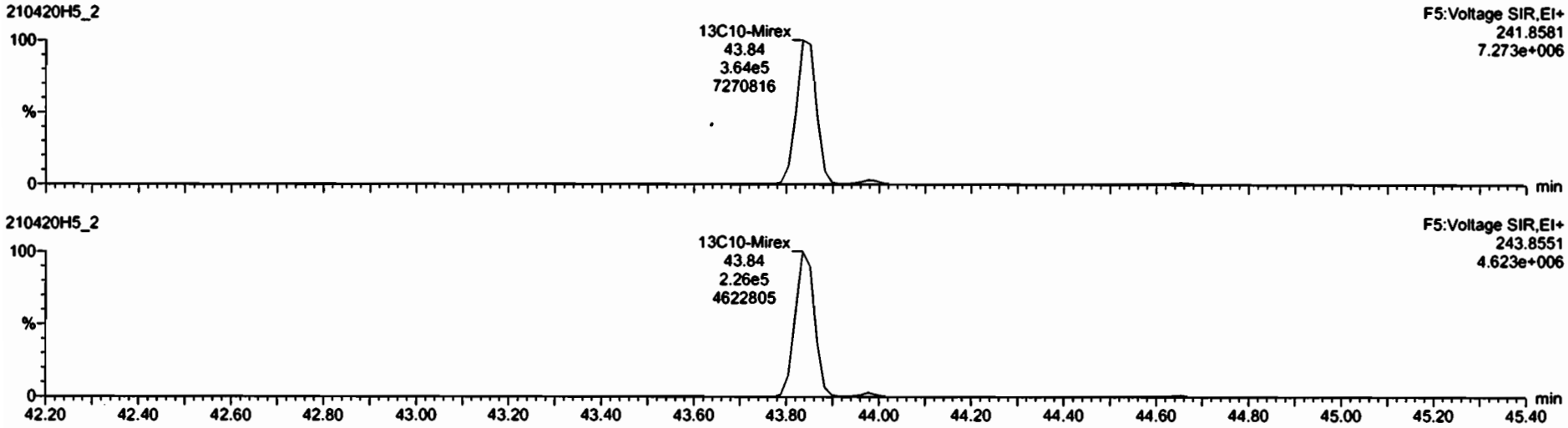
Name: 210420H5_2, Date: 20-Apr-2021, Time: 19:02:05, ID: ST210420H5_2 1699 CS2 20B2102, Description: 1699 CS2 20B2102

Mirex



13C10-Mirex



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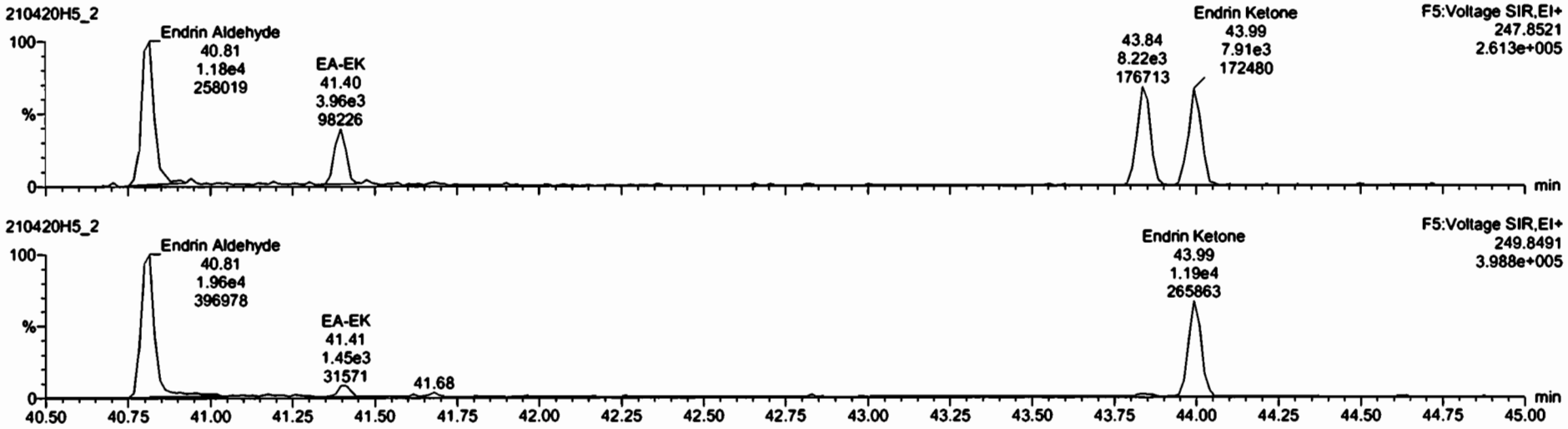
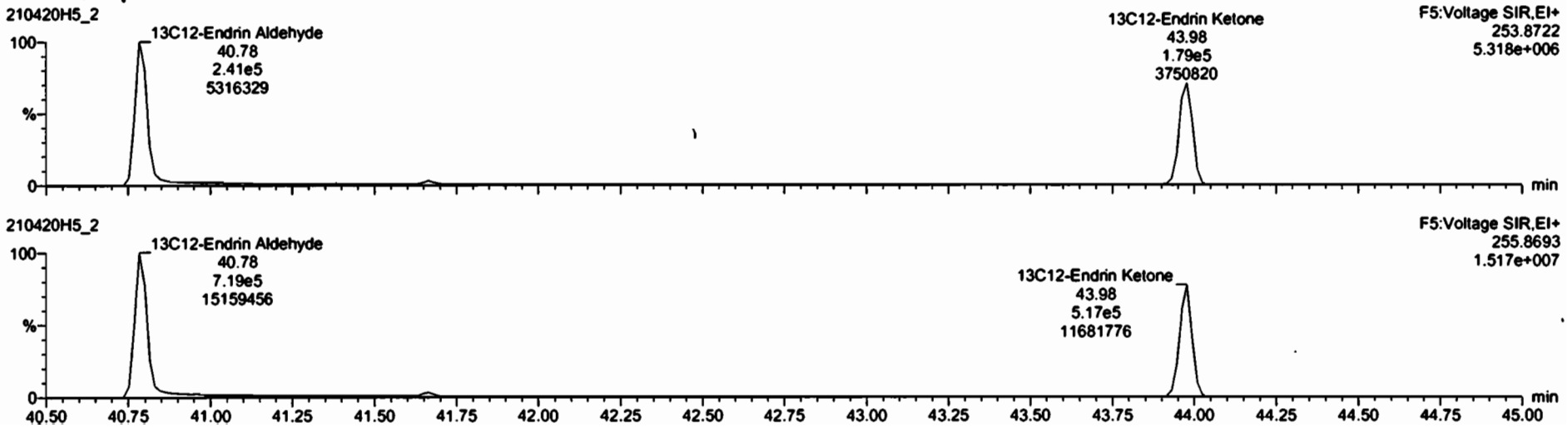
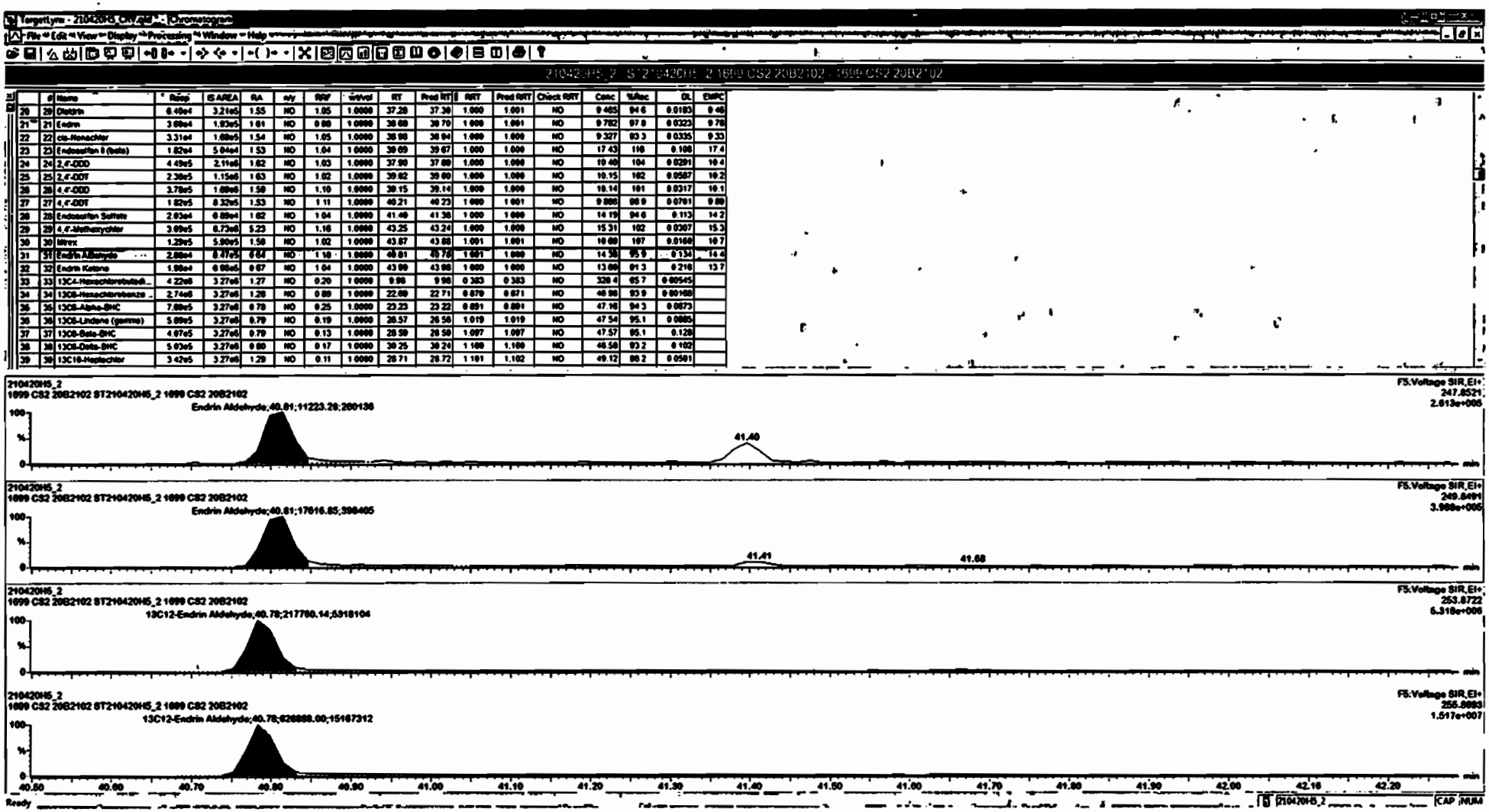
Name: 210420H5_2, Date: 20-Apr-2021, Time: 19:02:05, ID: ST210420H5_2 1699 CS2 20B2102, Description: 1699 CS2 20B2102

EA-EK



EA-EK-isotopes





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20	20	Dieldrin	6.49e4	3.21e5	1.55	NO	1.05	1.0000	37.28	37.30	1.000	1.001	NO	9.465	94.6	0.0183	9.46
21	21	Endrin	3.68e4	1.93e5	1.61	NO	0.88	1.0000	38.68	38.79	1.000	1.003	NO	9.782	97.8	0.0323	9.78
22	22	cis-Nonachlor	3.31e4	1.68e5	1.54	NO	1.05	1.0000	38.96	38.94	1.000	1.000	NO	9.327	93.3	0.0335	9.33
23	23	Endosulfan II (beta)	1.82e4	5.04e4	1.53	NO	1.04	1.0000	39.69	39.67	1.000	1.000	NO	17.43	116	0.106	17.4
24	24	2,4'-DDD	4.49e5	2.11e6	1.62	NO	1.03	1.0000	37.90	37.89	1.000	1.000	NO	10.40	104	0.0291	10.4
25	25	2,4'-DDT	2.38e5	1.15e6	1.63	NO	1.02	1.0000	39.62	39.60	1.000	1.000	NO	10.15	102	0.0587	10.2
26	26	4,4'-DDD	3.78e5	1.68e6	1.58	NO	1.10	1.0000	39.15	39.14	1.000	1.000	NO	10.14	101	0.0317	10.1
27	27	4,4'-DDT	1.82e5	8.32e5	1.53	NO	1.11	1.0000	40.21	40.23	1.000	1.001	NO	9.868	98.9	0.0781	9.88
28	28	Endosulfan Sulfate	2.03e4	6.89e4	1.62	NO	1.04	1.0000	41.40	41.38	1.000	1.000	NO	14.19	94.6	0.113	14.2
29	29	4,4'-Methoxychlor	3.69e5	8.73e5	5.23	NO	1.16	1.0000	43.25	43.24	1.000	1.000	NO	15.31	102	0.0307	15.3
30	30	Mirex	1.29e5	5.90e5	1.56	NO	1.02	1.0000	43.87	43.86	1.001	1.001	NO	10.09	107	0.0160	10.7
31	31	Endrin Aldehyde	2.88e4	8.47e5	0.64	NO	1.18	1.0000	40.81	40.78	1.001	1.000	NO	14.58	95.9	0.134	14.4
32	32	Endrin Ketone	1.98e4	6.98e5	0.67	NO	1.04	1.0000	43.99	43.96	1.000	1.000	NO	13.09	91.3	0.216	13.7
33	33	13C4-Hexachlorobuta...	4.22e6	3.27e6	1.27	NO	0.20	1.0000	9.96	9.96	0.383	0.383	NO	328.4	65.7	0.00545	
34	34	13C6-Hexachlorobenze...	2.74e6	3.27e6	1.28	NO	0.89	1.0000	22.69	22.71	0.879	0.871	NO	46.98	93.9	0.00168	
35	35	13C6-Alpha-BHC	7.89e5	3.27e6	0.78	NO	0.25	1.0000	23.23	23.22	0.891	0.891	NO	47.16	94.3	0.0873	
36	36	13C6-Lindane (gamma)	5.69e5	3.27e6	0.79	NO	0.19	1.0000	26.57	26.56	1.019	1.019	NO	47.54	95.1	0.0665	
37	37	13C6-Beta-BHC	4.67e5	3.27e6	0.79	NO	0.13	1.0000	28.59	28.59	1.097	1.097	NO	47.57	95.1	0.128	
38	38	13C6-Delta-BHC	5.63e5	3.27e6	0.80	NO	0.17	1.0000	30.25	30.24	1.160	1.160	NO	46.58	93.2	0.102	
39	39	13C10-Heptachlor	3.42e5	3.27e6	1.29	NO	0.11	1.0000	28.71	28.72	1.101	1.102	NO	49.12	98.2	0.0581	

Dataset: Untitled

Last Altered: Wednesday, April 21, 2021 10:40:25 Pacific Daylight Time
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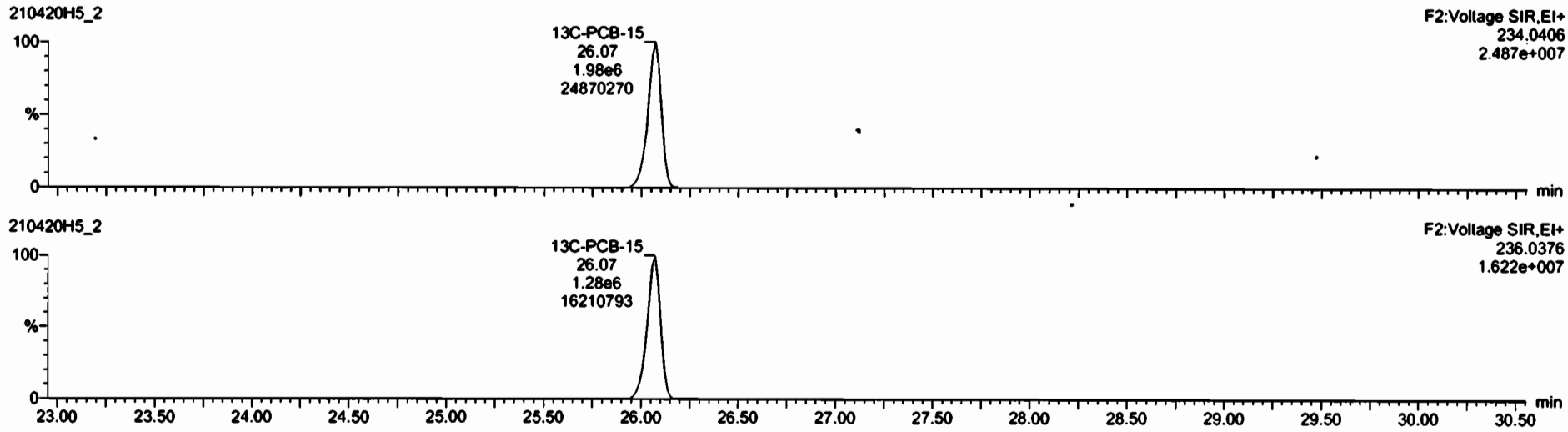
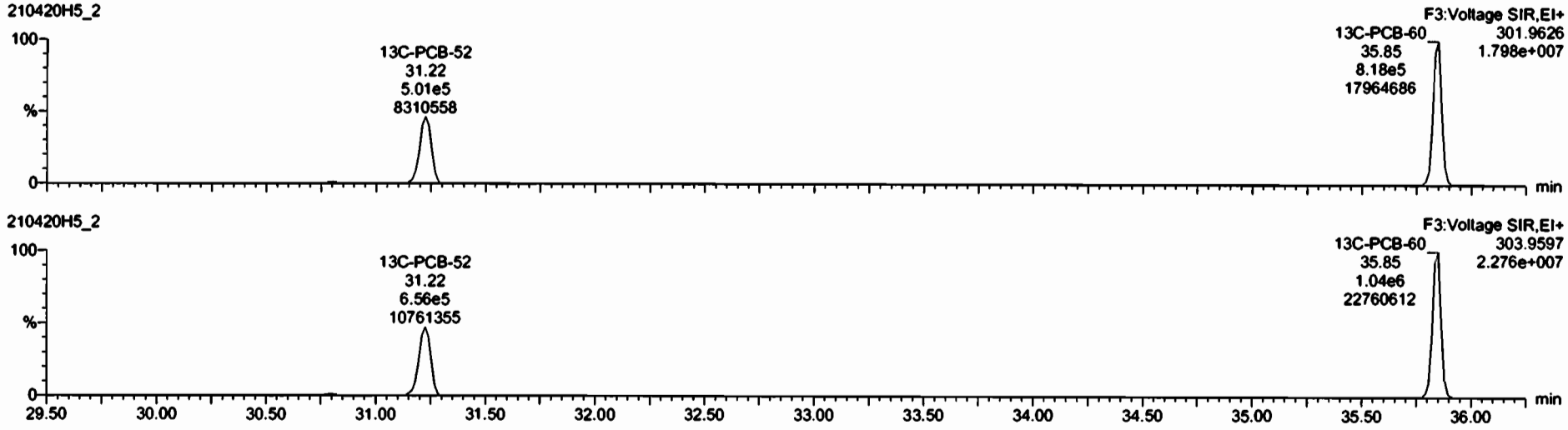
Name: 210420H5_2, Date: 20-Apr-2021, Time: 19:02:05, ID: ST210420H5_2 1699 CS2 20B2102, Description: 1699 CS2 20B2102

13C-PCB-15



13C-PCB-60



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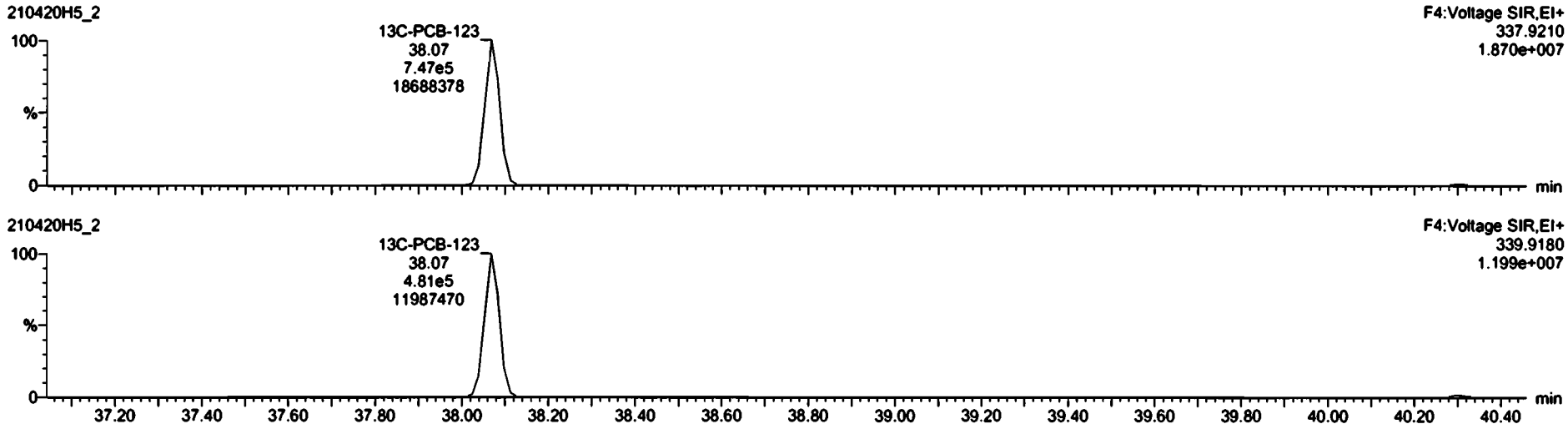
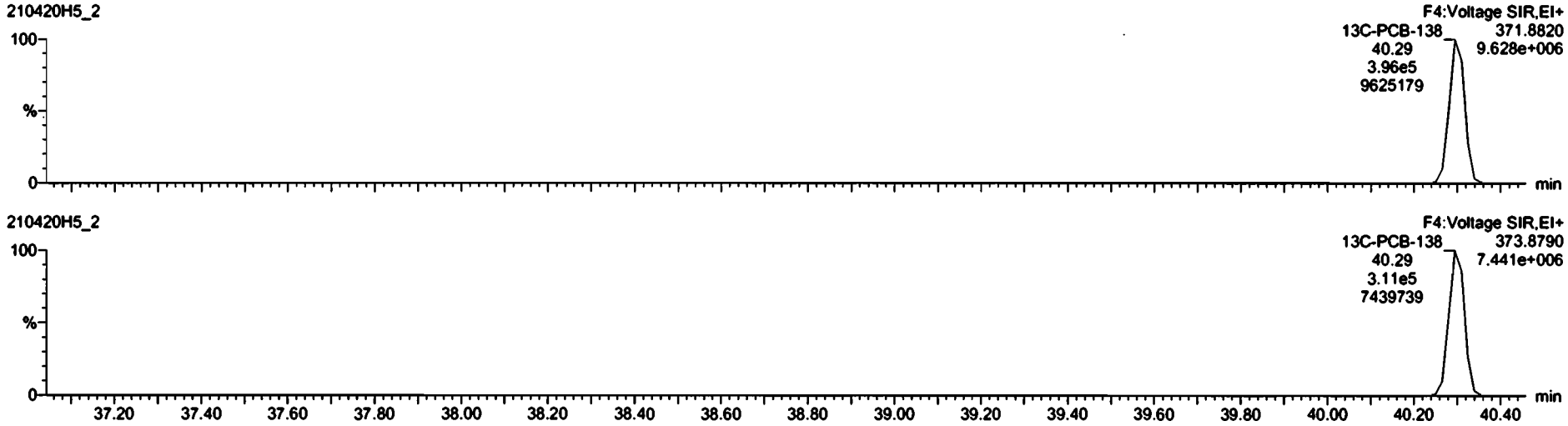
13C-PCB-123



13C-PCB-138



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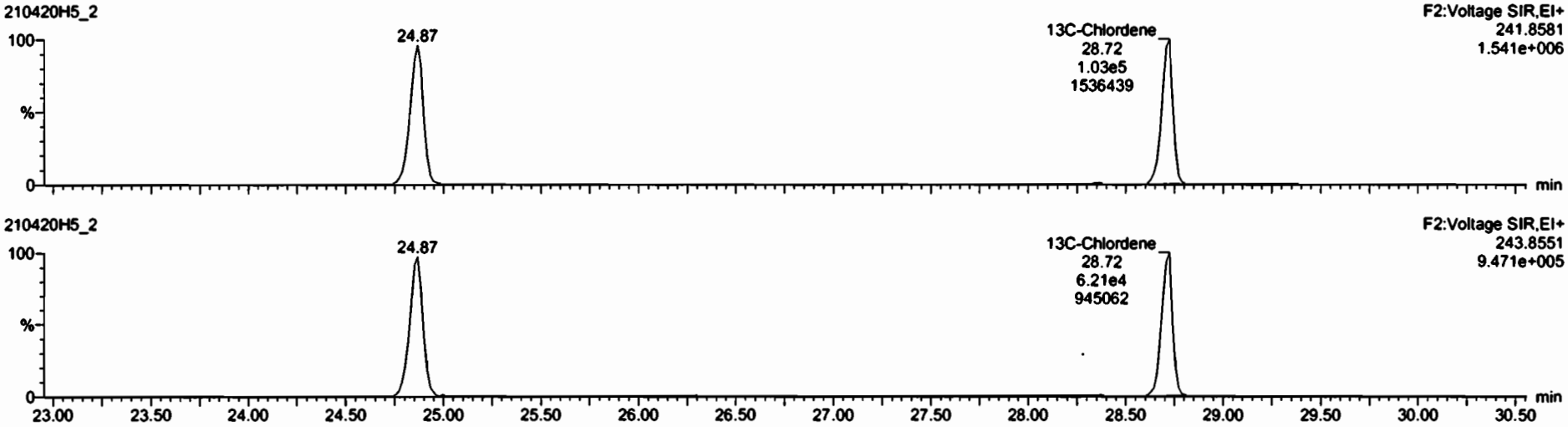
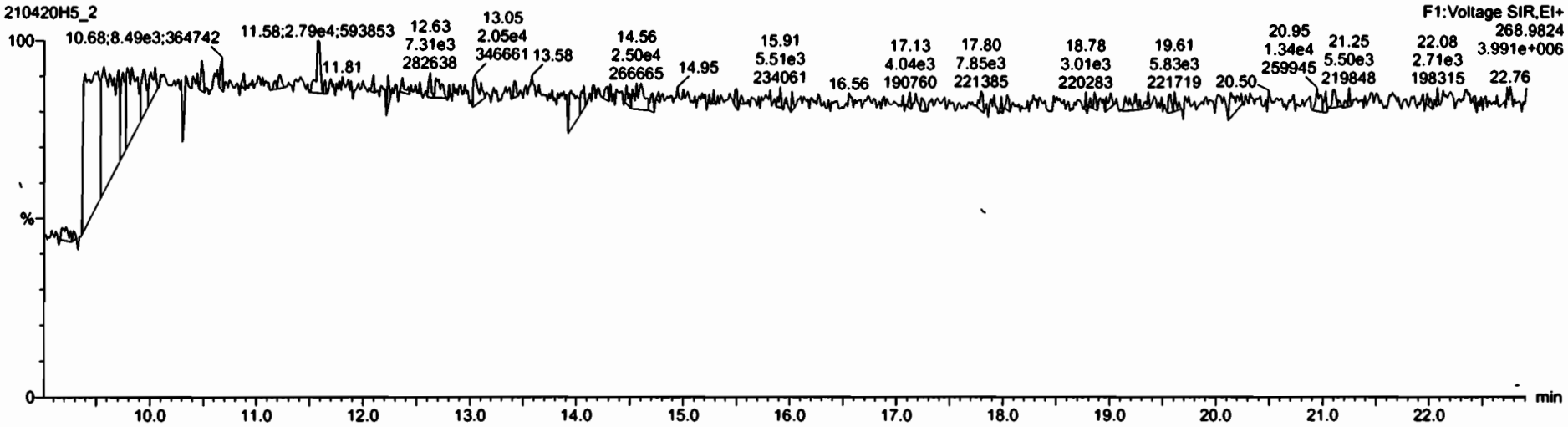
13C-Chlordene



PFK1



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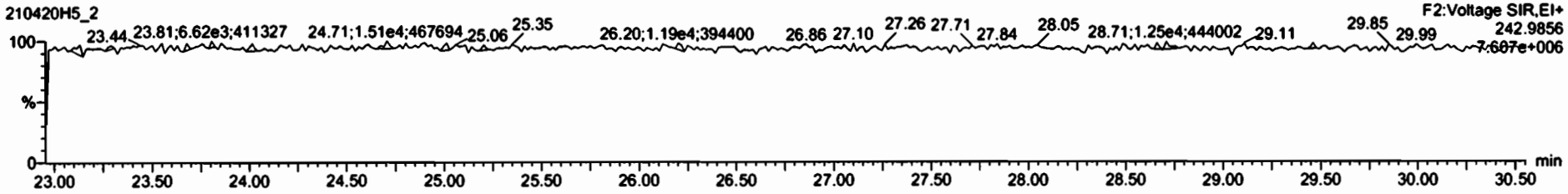
PFK2



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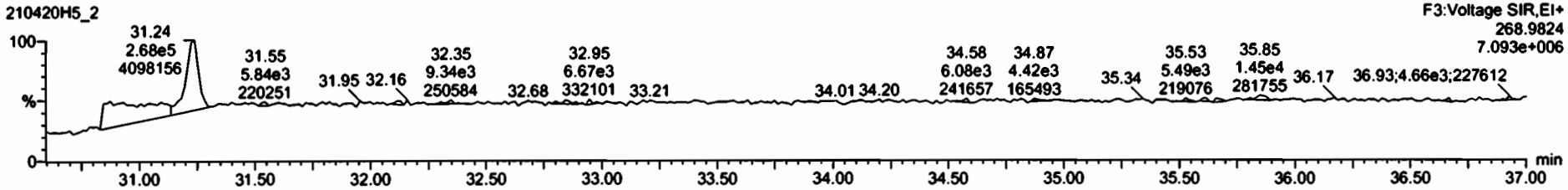

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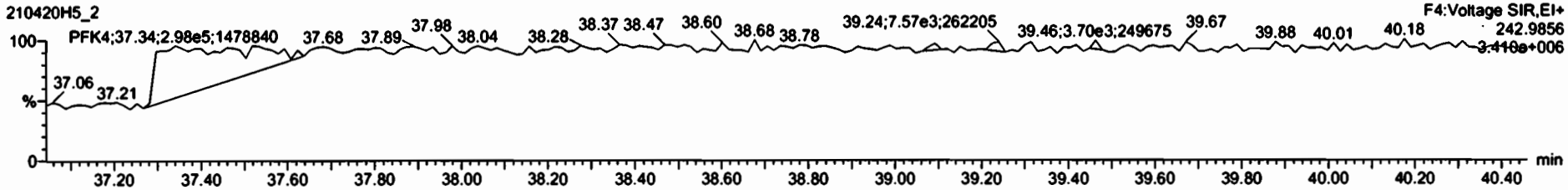

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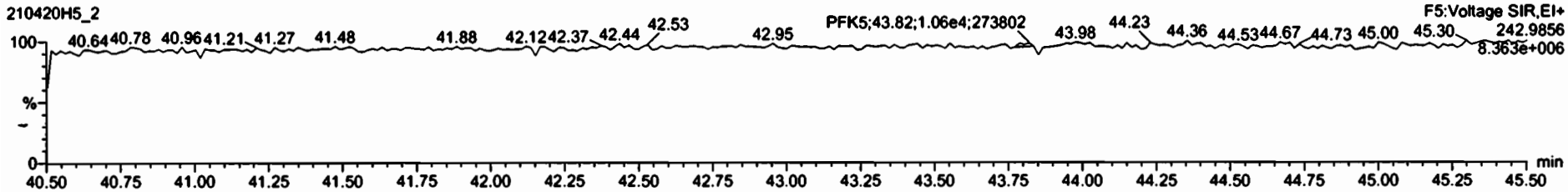

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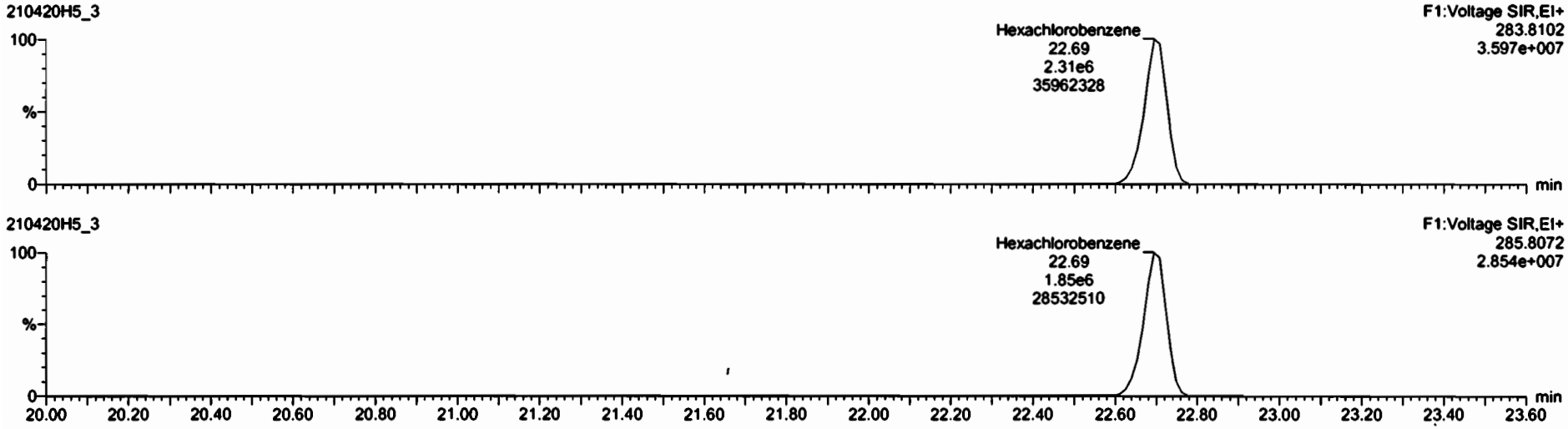
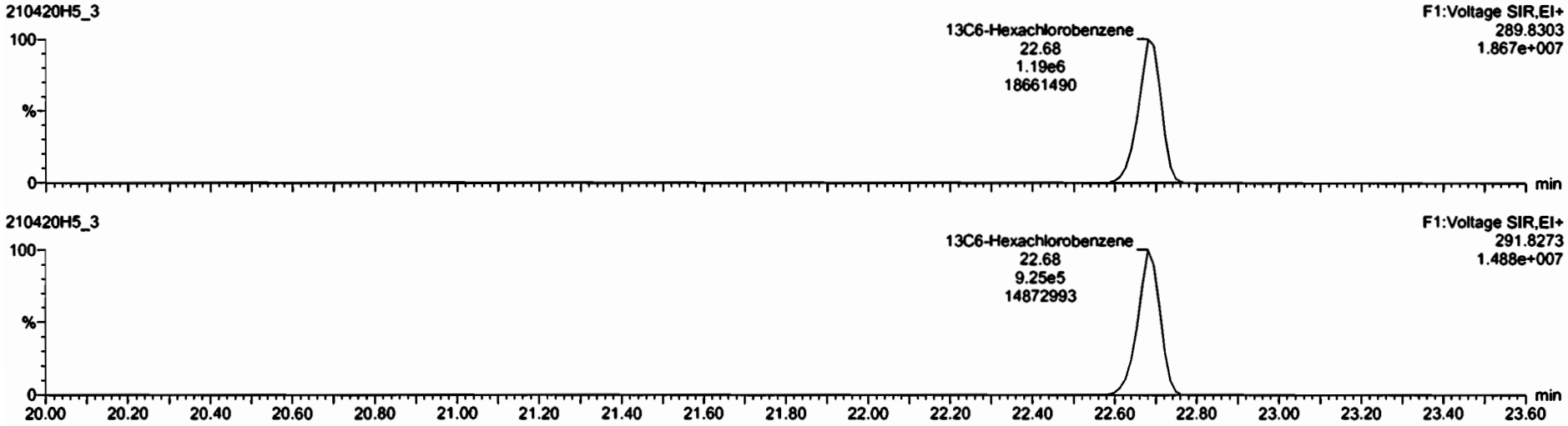
Name: 210420H5_3, Date: 20-Apr-2021, Time: 19:50:22, ID: ST210420H5_3 1699 CS3.5 20B2104, Description: 1699 CS3.5 20B2104

Hexachlorobenzene



13C6-Hexachlorobenzene



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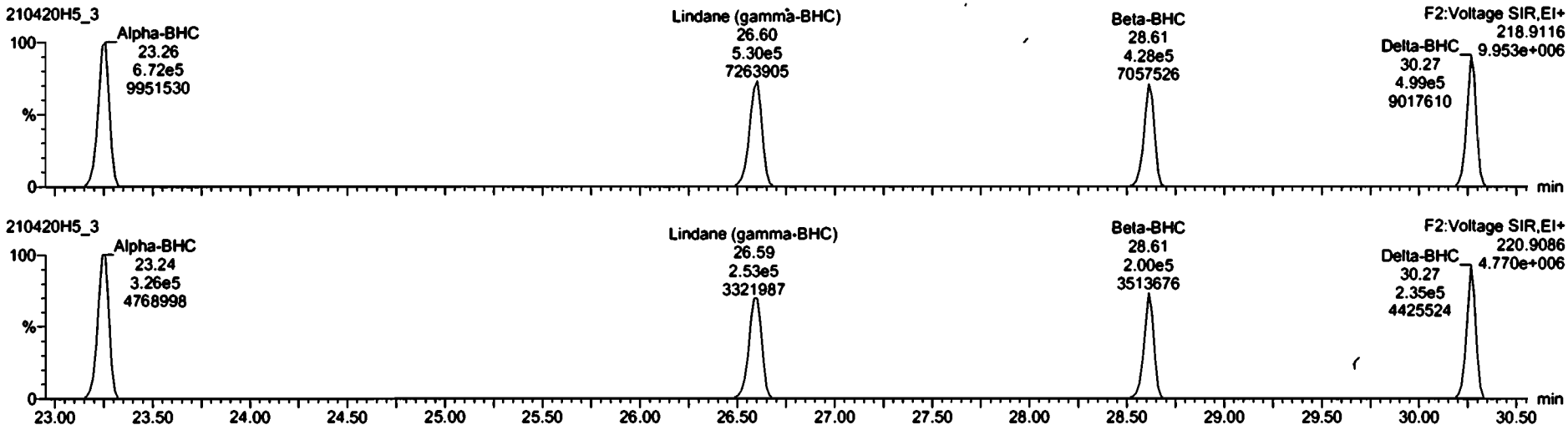
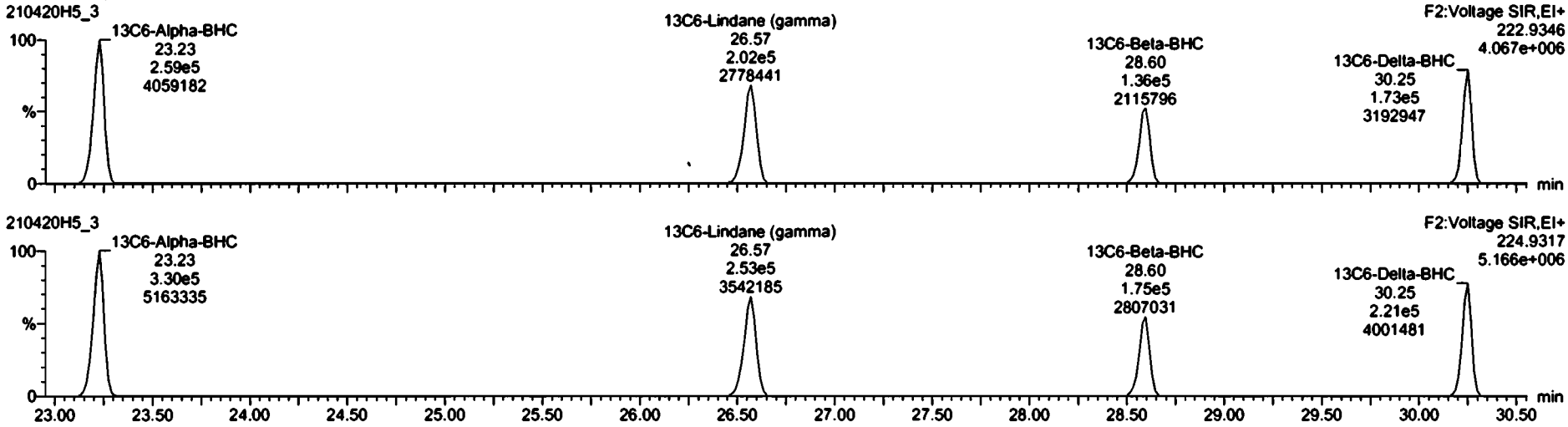
Name: 210420H5_3, Date: 20-Apr-2021, Time: 19:50:22, ID: ST210420H5_3 1699 CS3.5 20B2104, Description: 1699 CS3.5 20B2104

BHC Totals



BHC-isotopes



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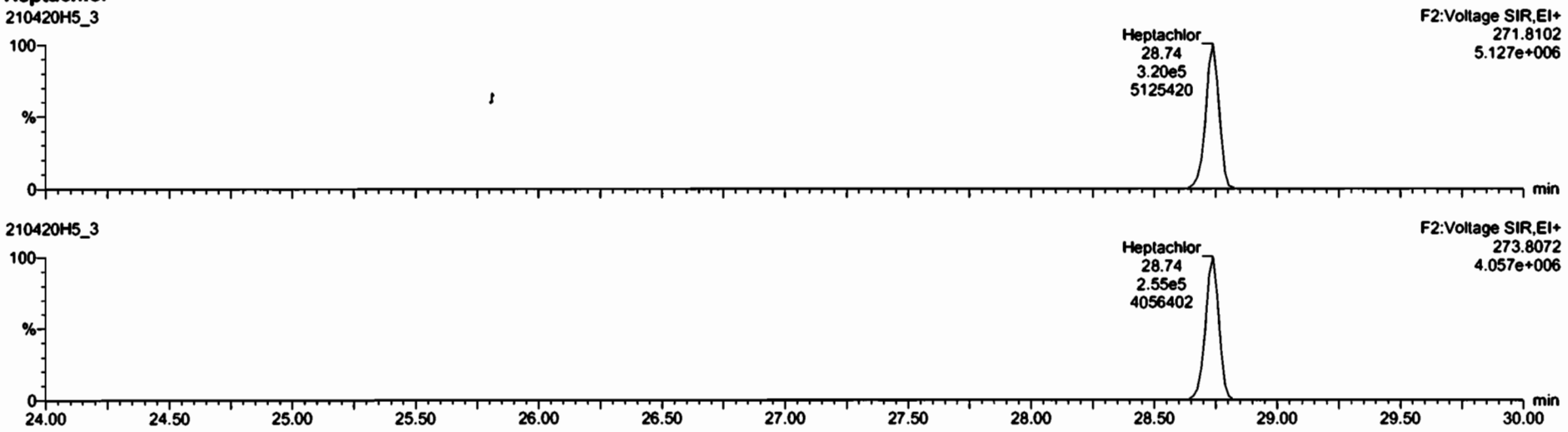
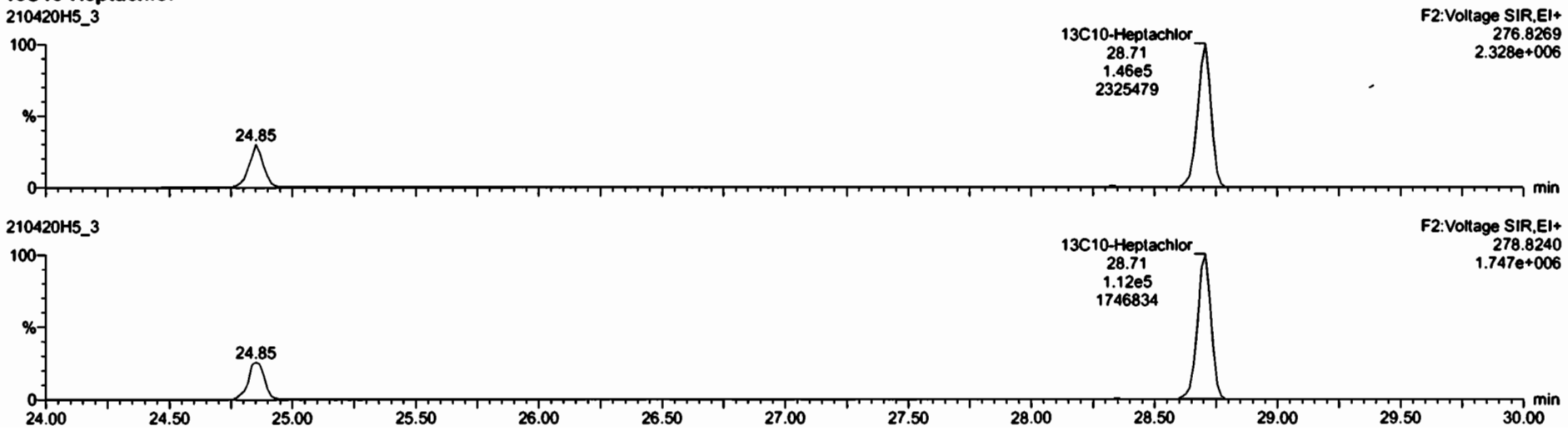
Name: 210420H5_3, Date: 20-Apr-2021, Time: 19:50:22, ID: ST210420H5_3 1699 CS3.5 20B2104, Description: 1699 CS3.5 20B2104

Heptachlor



13C10-Heptachlor



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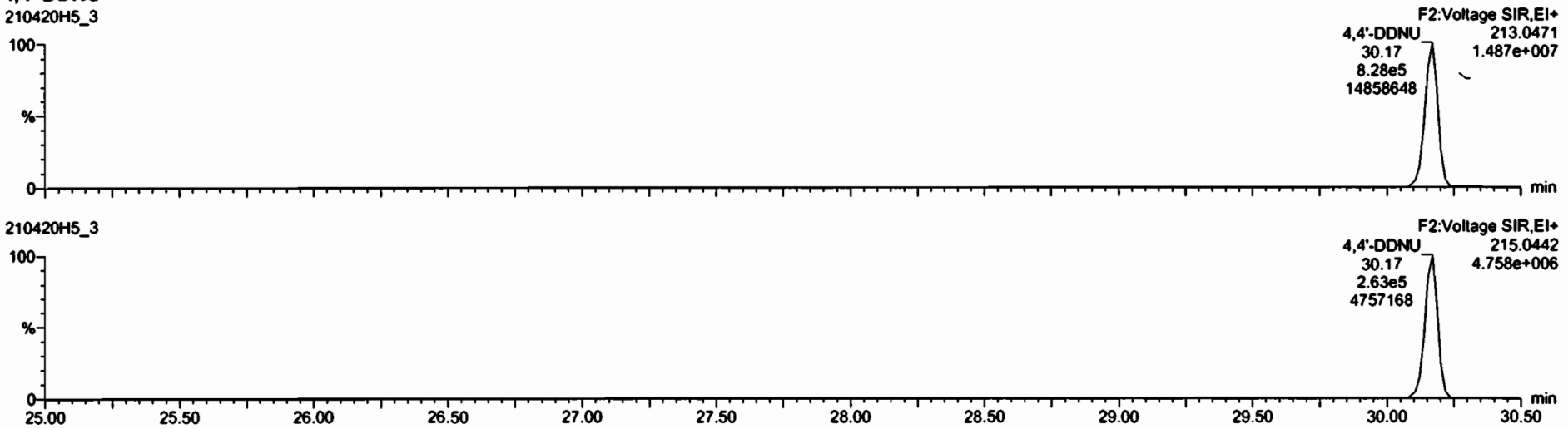
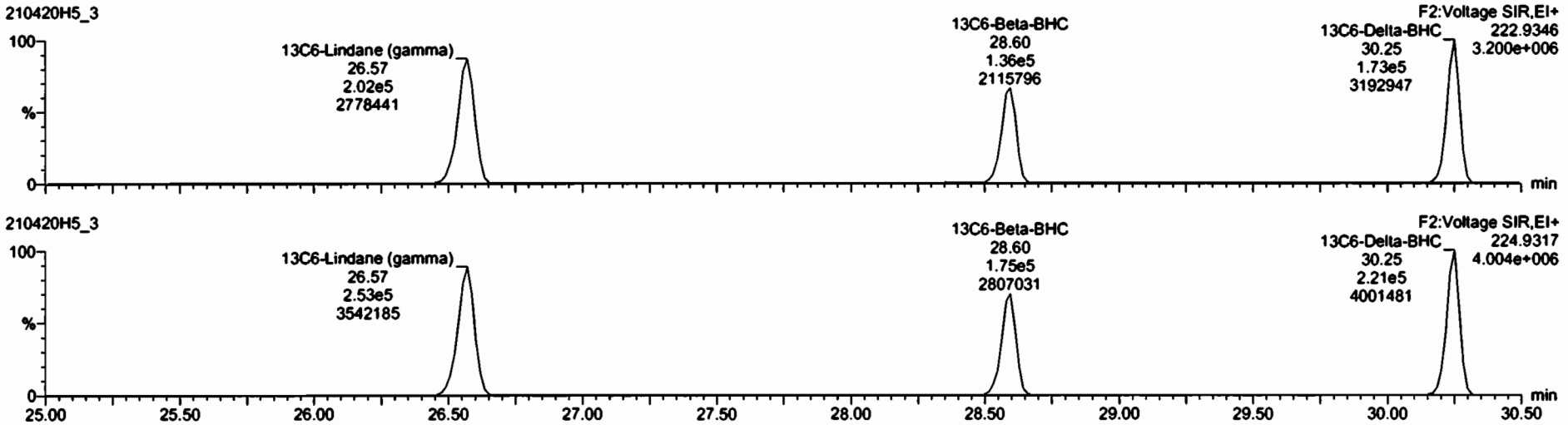
Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

Name: 210420H5_3, Date: 20-Apr-2021, Time: 19:50:22, ID: ST210420H5_3 1699 CS3.5 20B2104, Description: 1699 CS3.5 20B2104

4,4'-DDNU



13C6-Delta-BHC



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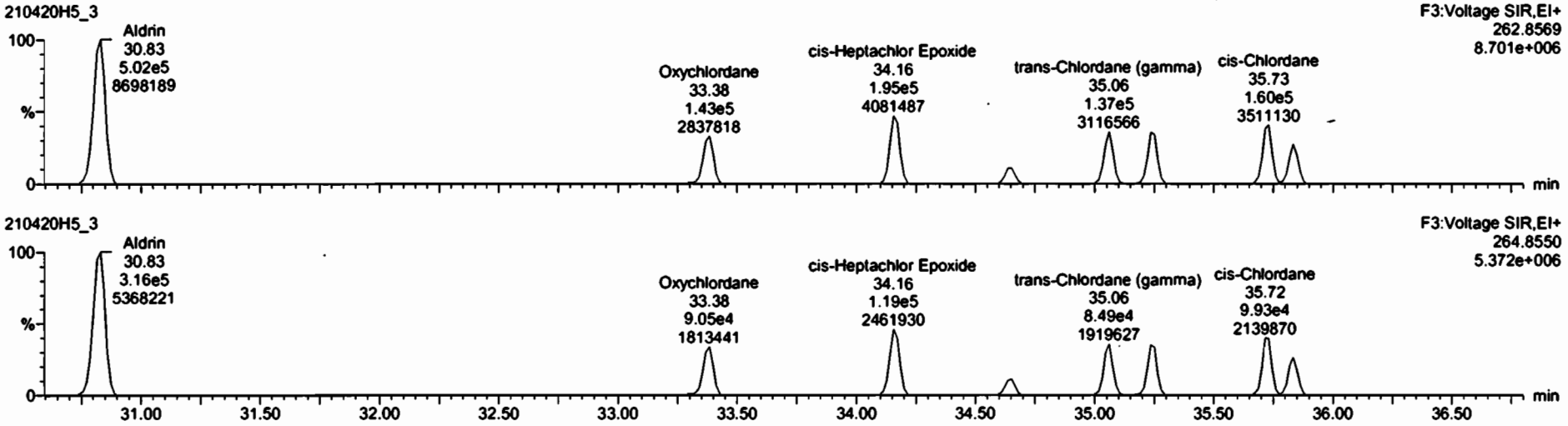
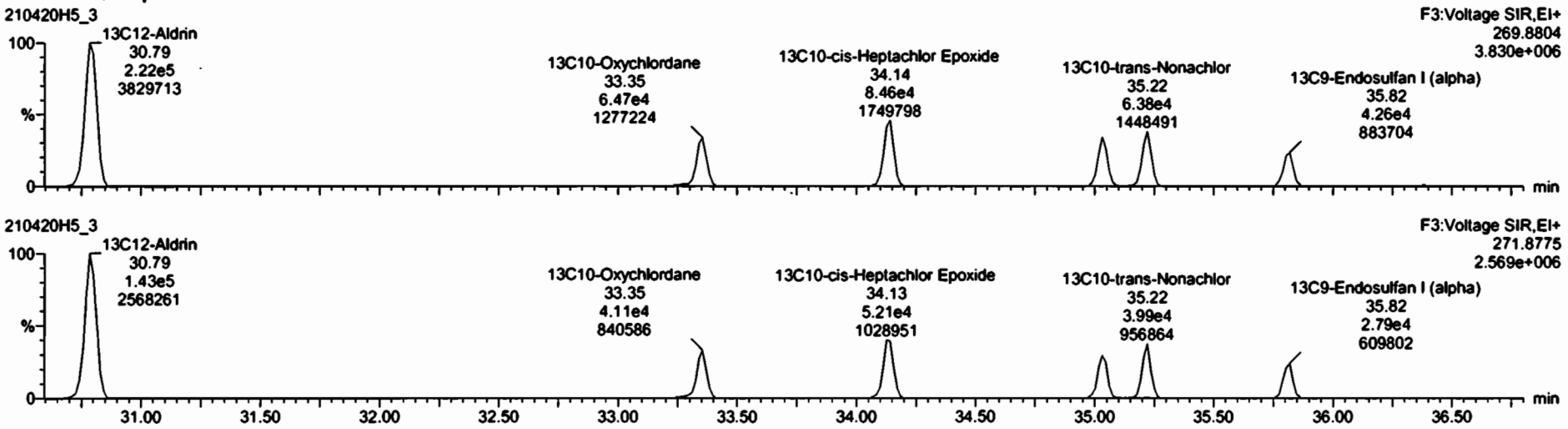
Aldrin-EI



Aldrin-EI-isotopes



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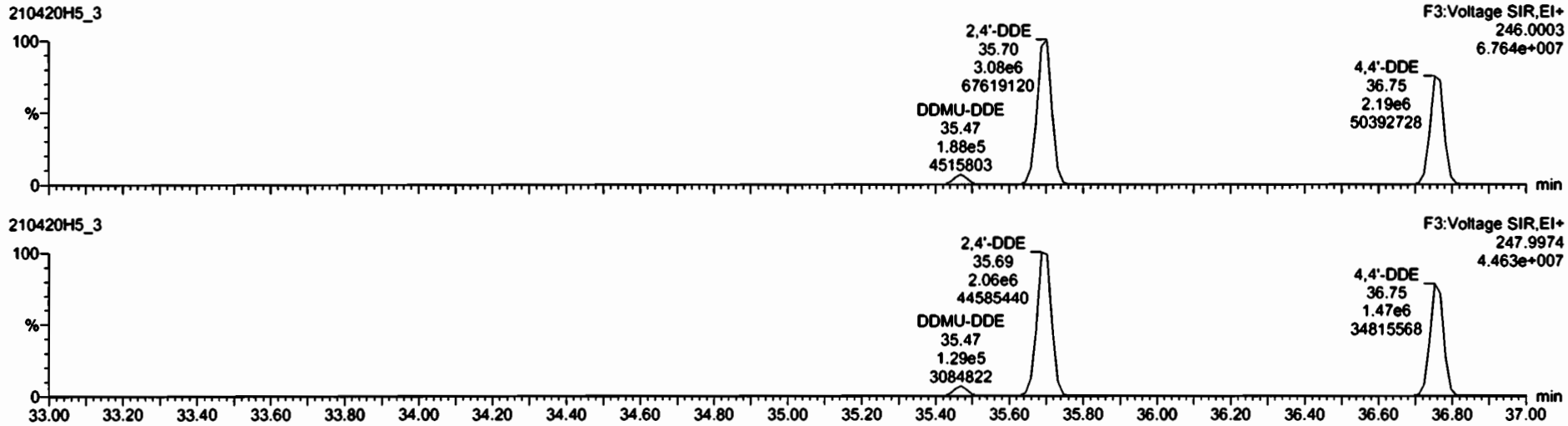
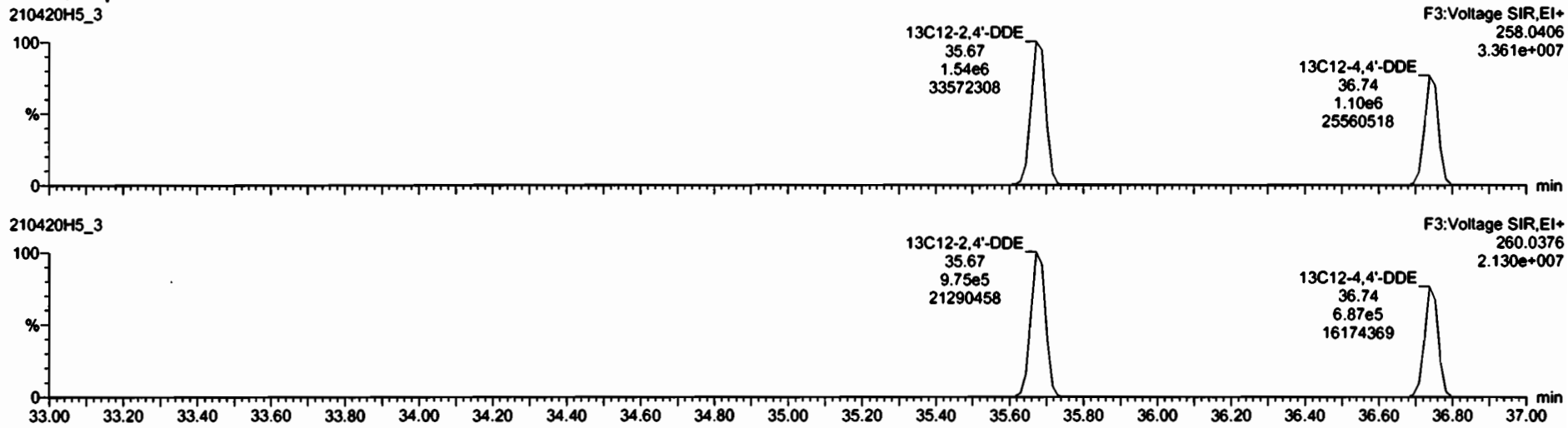
DDMU-DDE



DDE-isotopes



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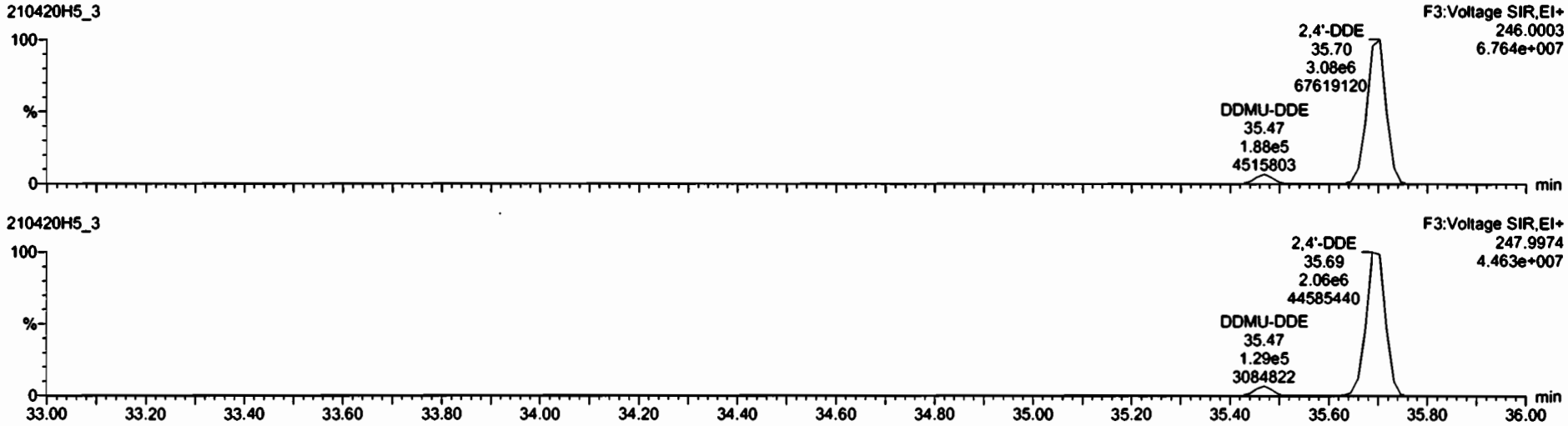
2,4'-DDE



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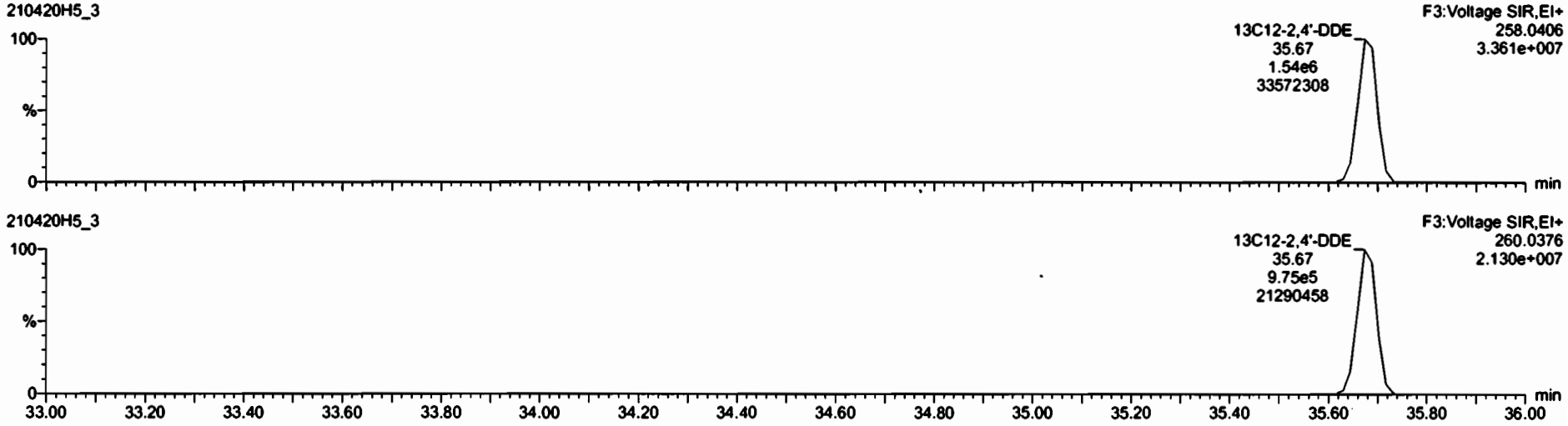

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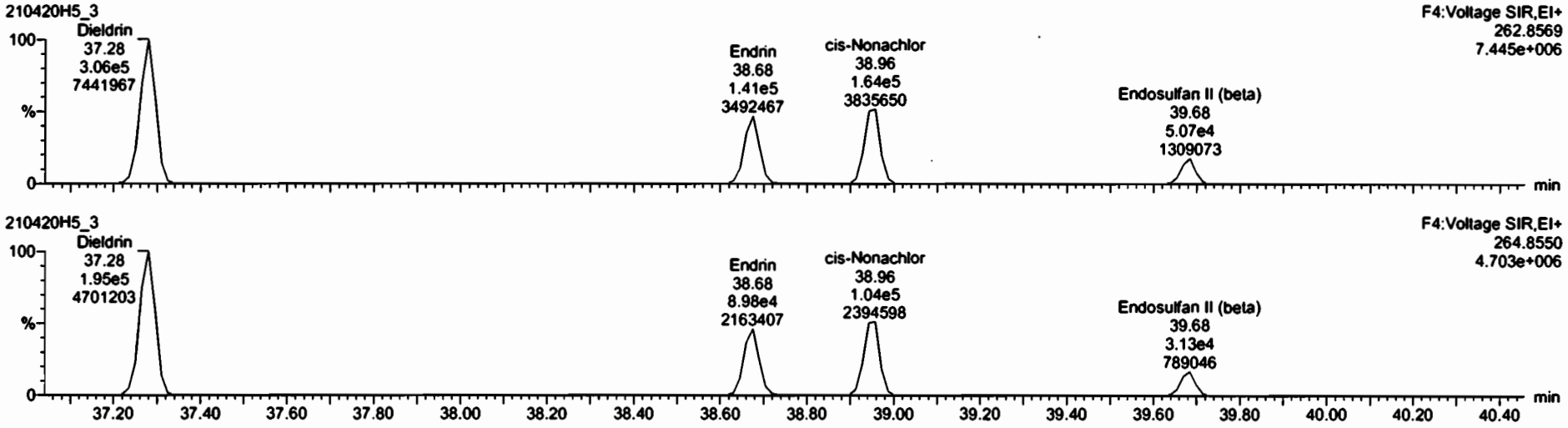
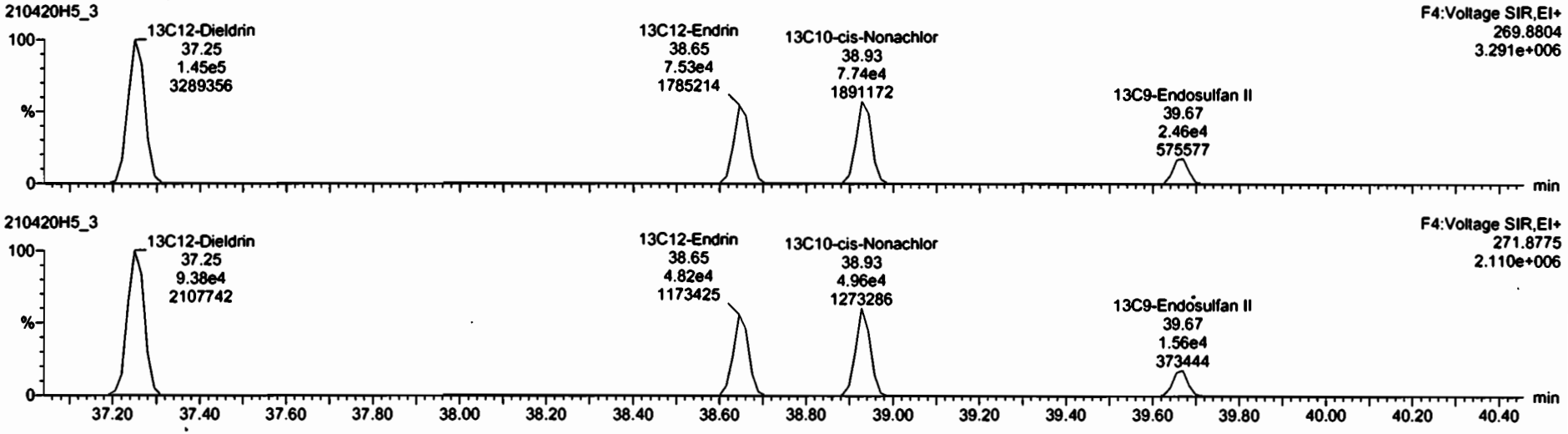
Dieldrin-EII



Dieldrin-EII-isotopes



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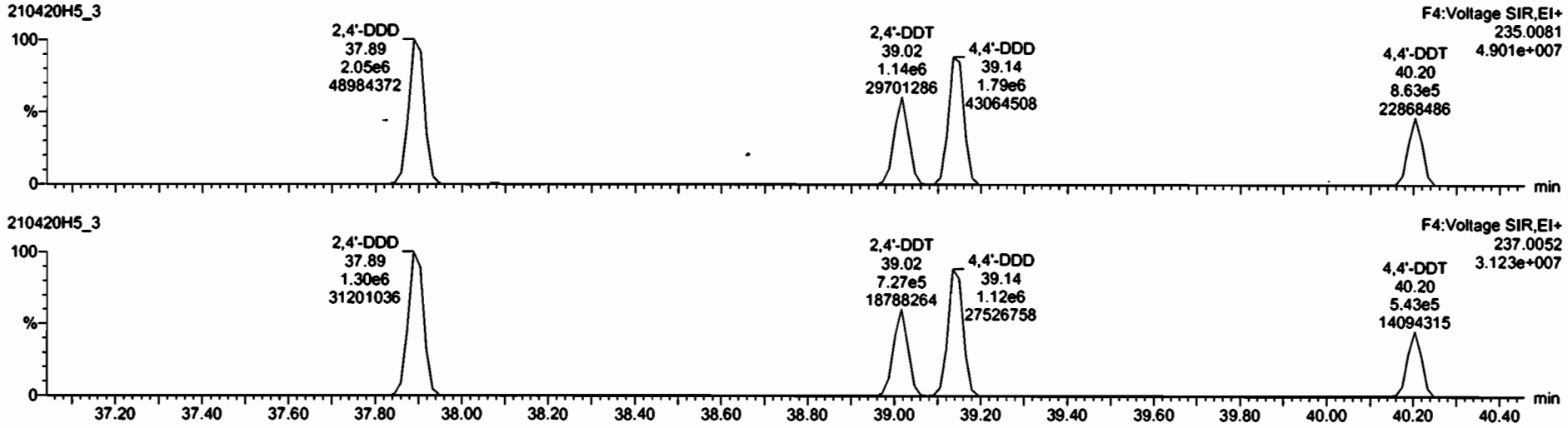
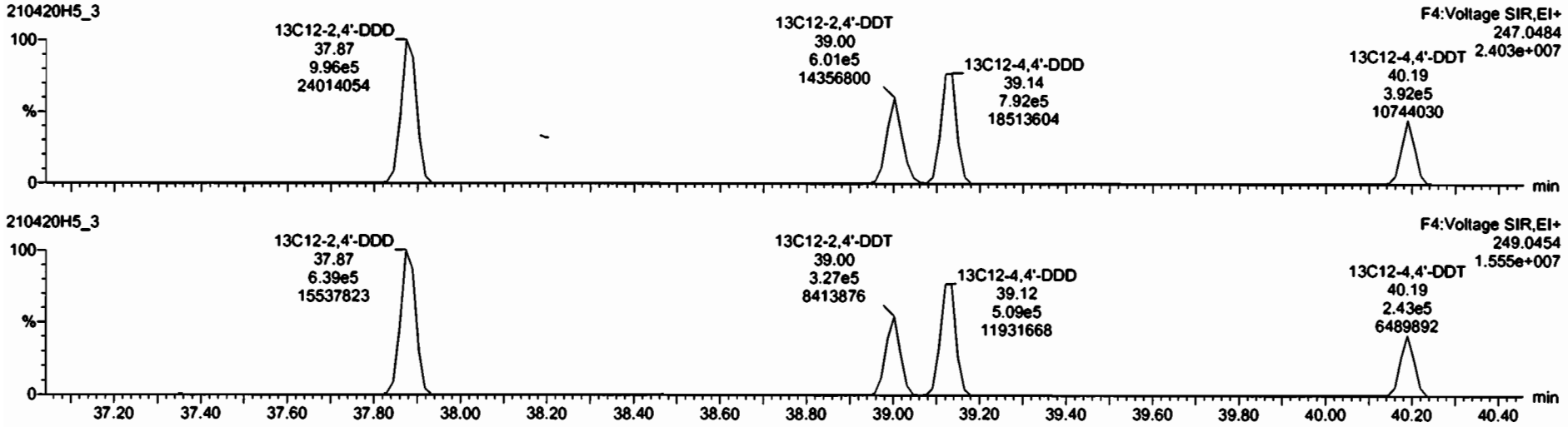
DDD-DDT



DDD-DDT-isotopes



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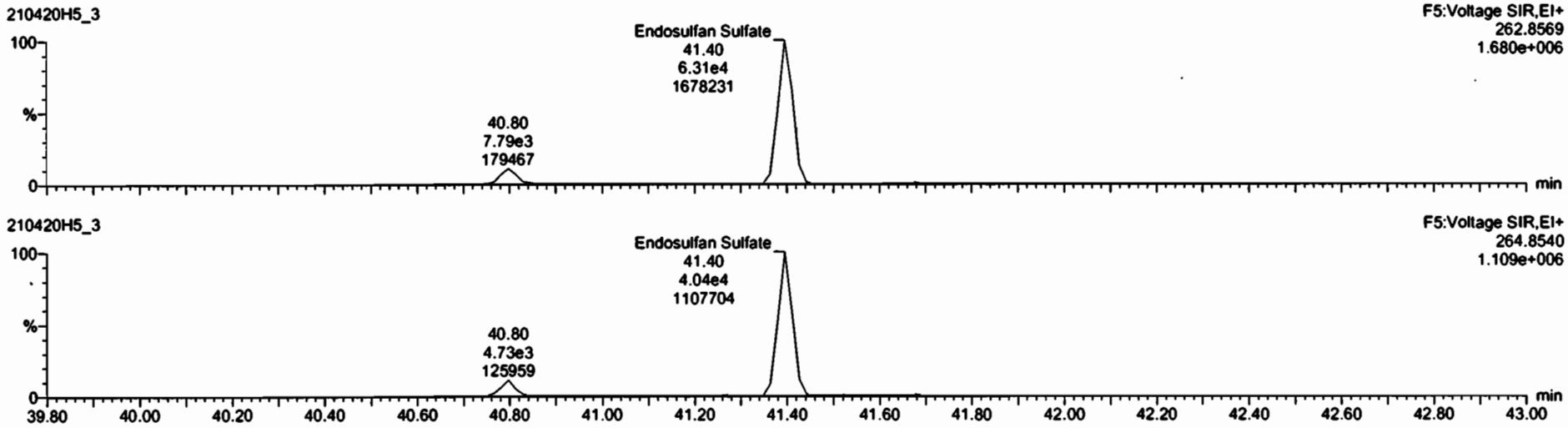
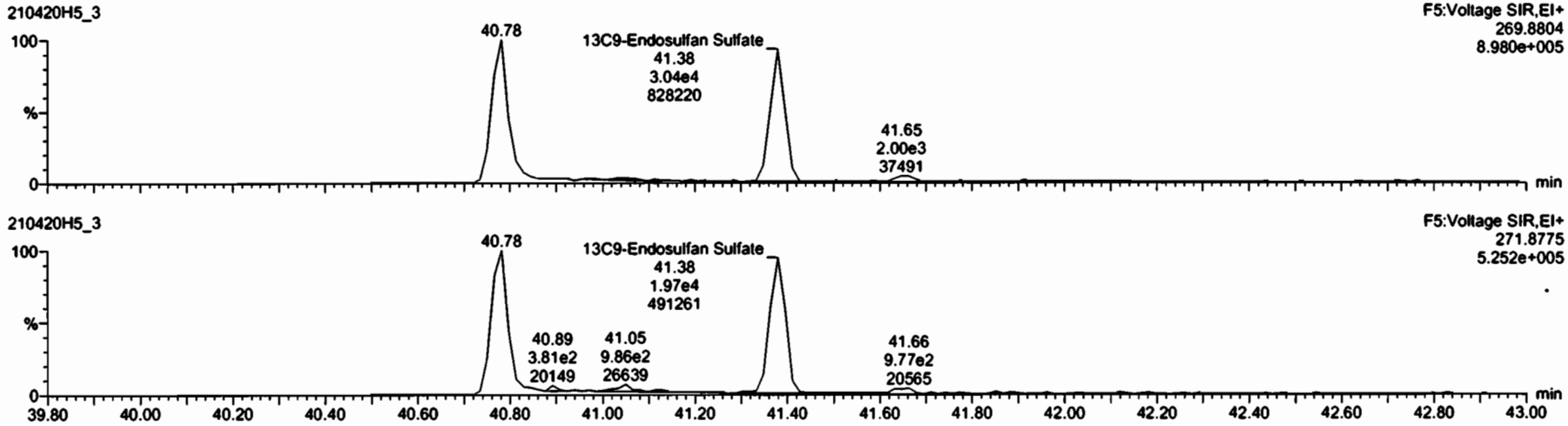
Endosulfan Sulfate



13C9-Endosulfan Sulfate



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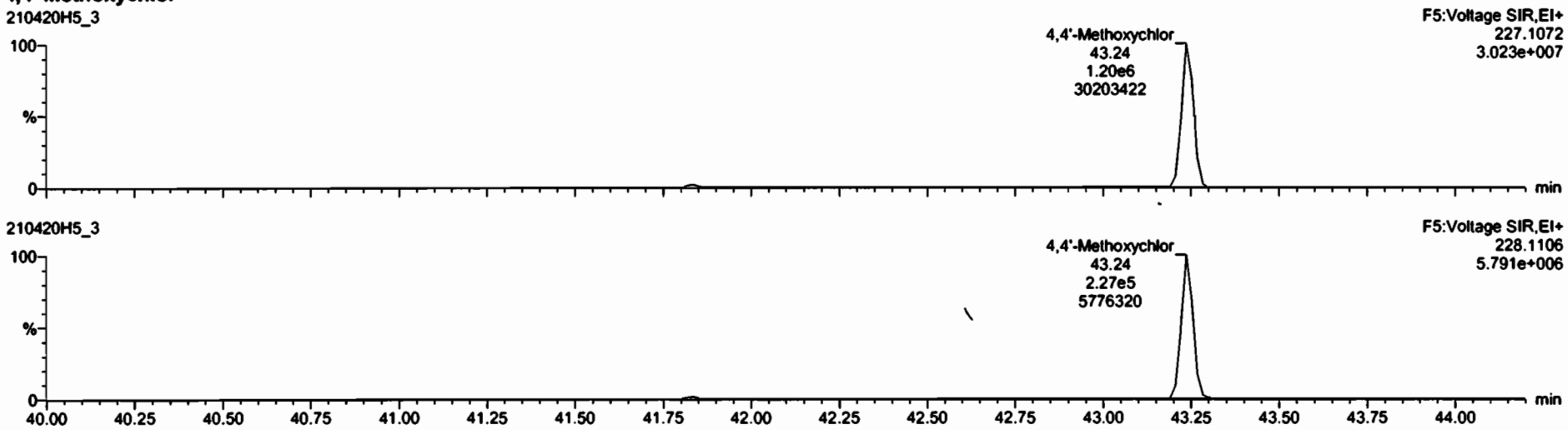
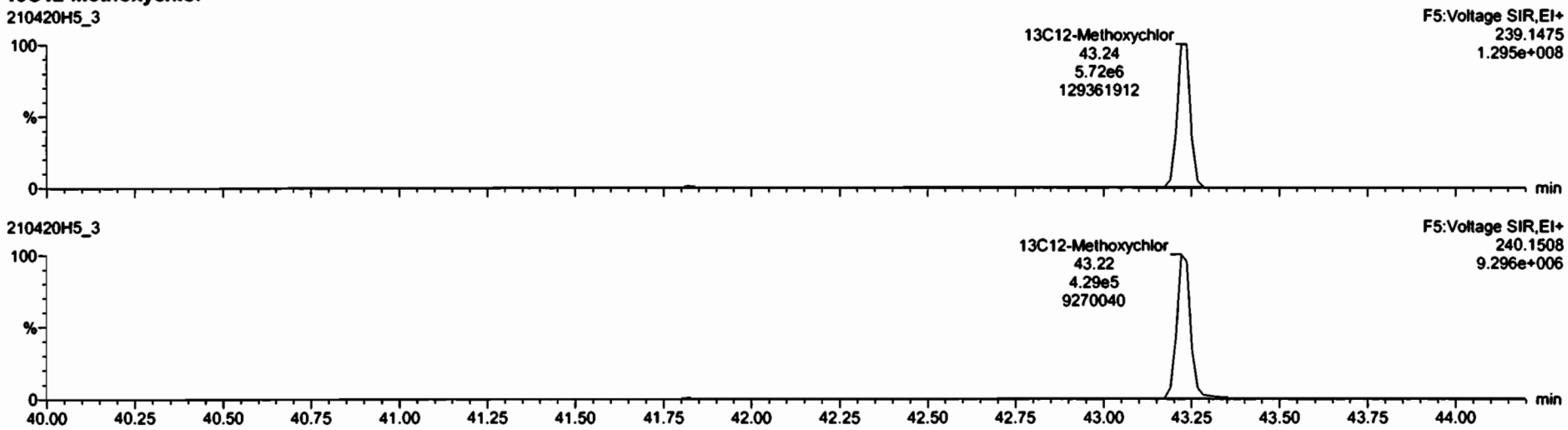
4,4'-Methoxychlor



13C12-Methoxychlor



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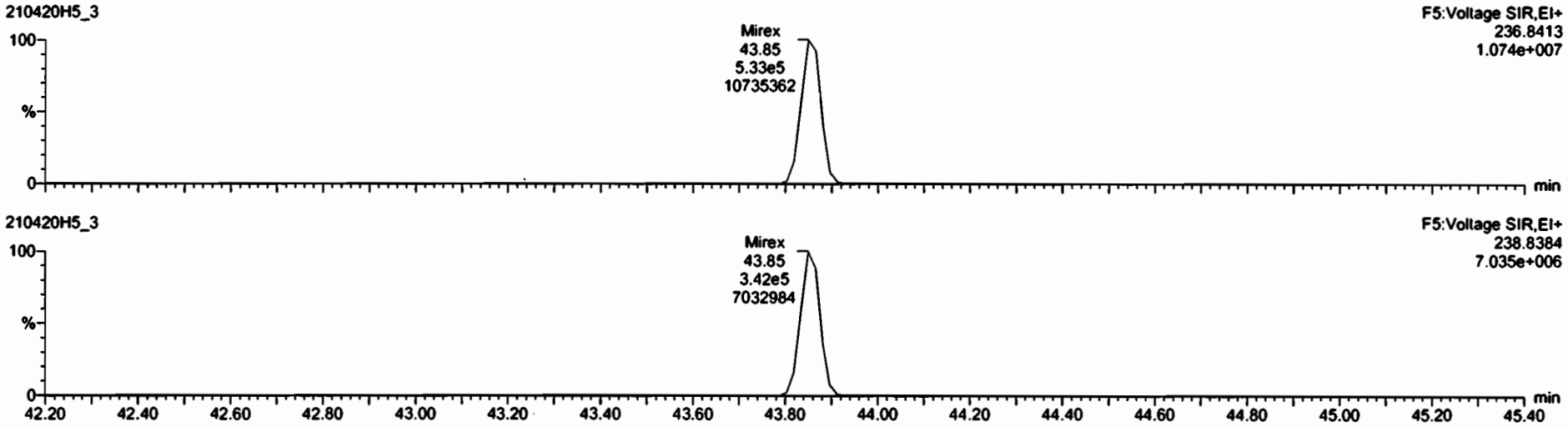
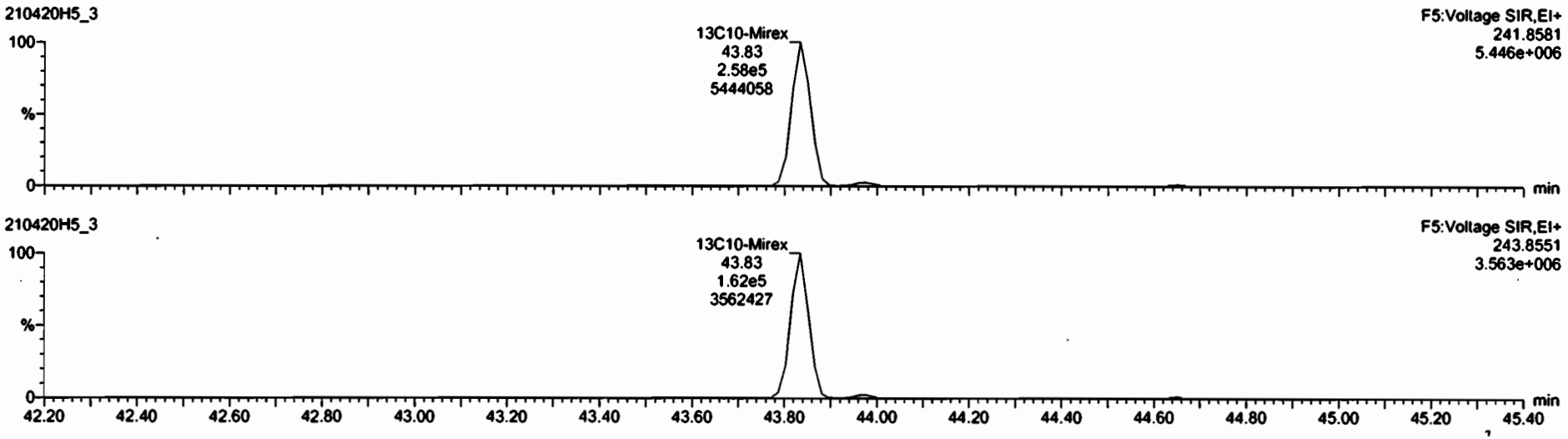
Mirex



13C10-Mirex



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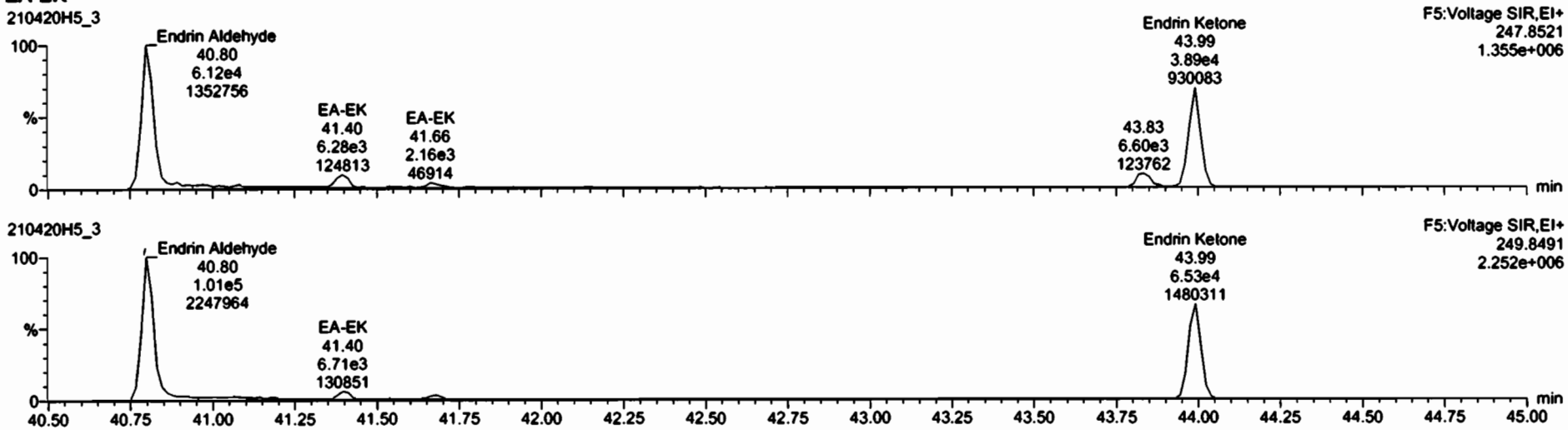
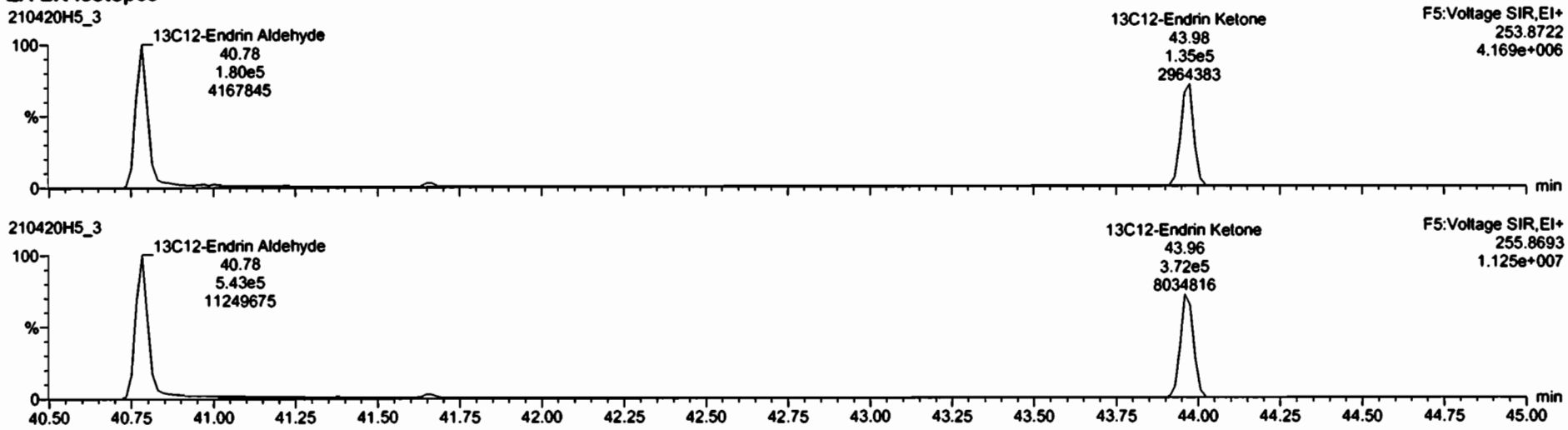
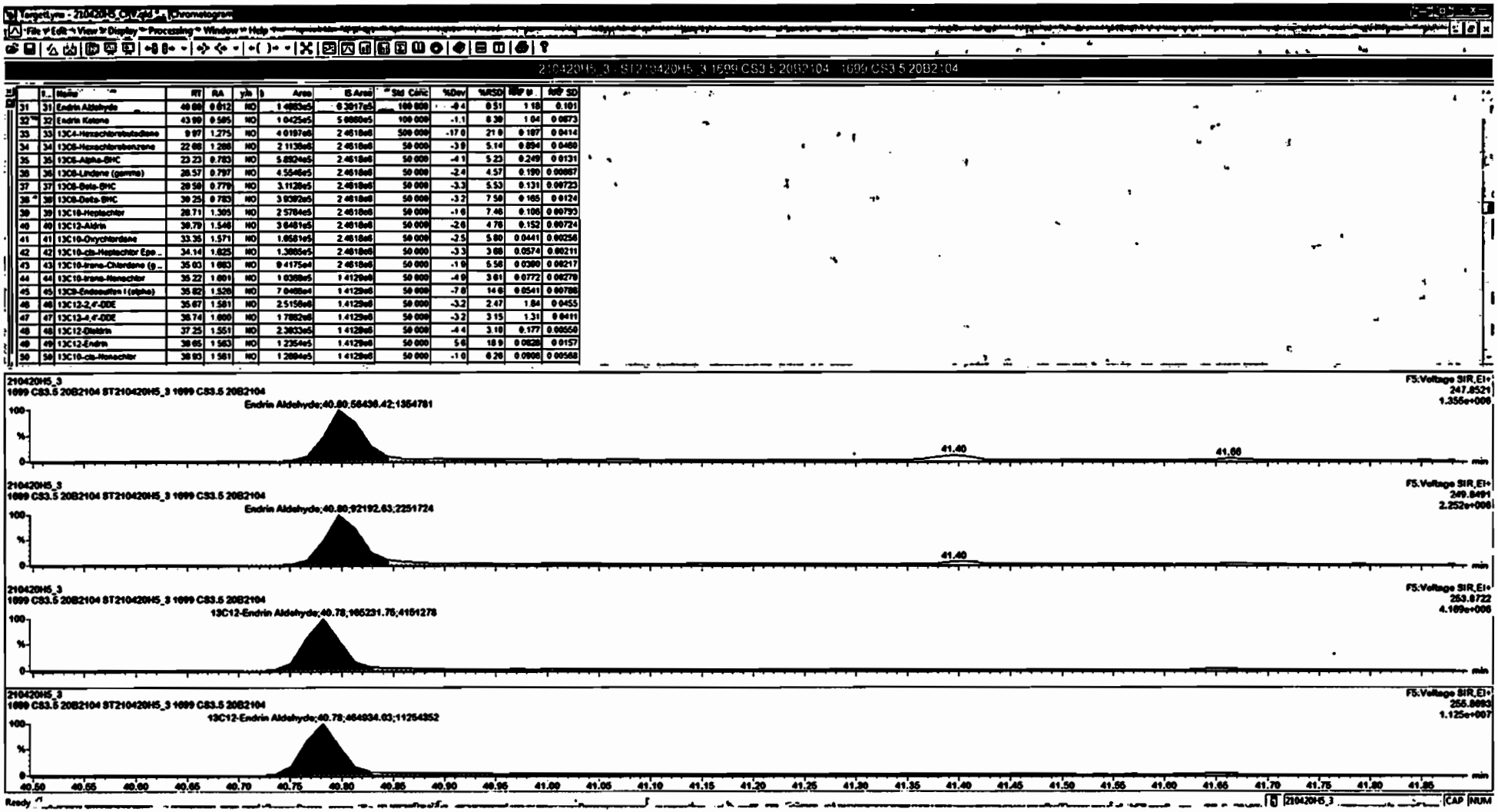
EA-EK



EA-EK-isotopes





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32	32	Endrin Ketone	43 99	0 595	NO	1 0425e5	5 6886e5	100 000	-1 1	0 39	1 04	0 0873
33	33	13C4-Hexachlorobutadiene	9 97	1.275	NO	4 0197e6	2 4618e6	500 000	-17 0	21 0	0 197	0 0414
34	34	13C6-Hexachlorobenzene	22 66	1 206	NO	2 1138e6	2 4618e6	50 000	-3 9	5 14	0 894	0 0460
35	35	13C6-Alpha-BHC	23 23	0 783	NO	5 8924e5	2 4618e6	50 000	-4 1	5 23	0 249	0 0131
36	36	13C6-Lindane (gamma)	26 57	0 797	NO	4 5646e5	2 4618e6	50 000	-2 4	4 57	0 190	0 00867
37	37	13C6-Beta-BHC	28 59	0 779	NO	3 1128e5	2 4618e6	50 000	-3 3	5 53	0 131	0 00723
38	38	13C6-Delta-BHC	30 25	0 783	NO	3 9392e5	2 4618e6	50 000	-3 2	7 58	0 165	0 0124
39	39	13C10-Heptachlor	28 71	1.305	NO	2 5784e5	2 4618e6	50 000	-1 6	7 46	0 106	0 00793
40	40	13C12-Aldrin	30 79	1.546	NO	3 6481e5	2 4618e6	50 000	-2 6	4 76	0 152	0 00724
41	41	13C10-Oxychlordane	33 35	1.571	NO	1 0581e5	2 4618e6	50 000	-2 5	5 80	0 0441	0 00256
42	42	13C10-cis-Heptachlor Epo	34 14	1.625	NO	1 3065e5	2 4618e6	50 000	-3 3	3 66	0 0574	0 00211
43	43	13C10-trans-Chlordane (g	35 03	1 683	NO	9 4175e4	2 4618e6	50 000	-1 9	6 56	0 0390	0 00217
44	44	13C10-trans-Nonachlor	35 22	1 691	NO	1 0368e5	1 4129e6	50 000	-4 9	3 61	0 0772	0 00279
45	45	13C9-Endosulfan I (alpha)	35 82	1.526	NO	7 0488e4	1 4129e6	50 000	-7 8	14 6	0 0541	0 00786
46	46	13C12-2,4'-DDE	35 67	1.581	NO	2 5156e5	1.4129e6	50 000	-3 2	2 47	1 84	0 0455
47	47	13C12-4,4'-DDE	36 74	1 600	NO	1 7862e5	1.4129e6	50 000	-3 2	3 15	1 31	0 0411
48	48	13C12-Dieldrin	37 25	1.551	NO	2 3633e5	1 4129e6	50 000	-4 4	3 18	0 177	0 00558
49	49	13C12-Endrin	38 65	1 563	NO	1 2354e5	1 4129e6	50 000	5 6	18 9	0 0628	0 0157
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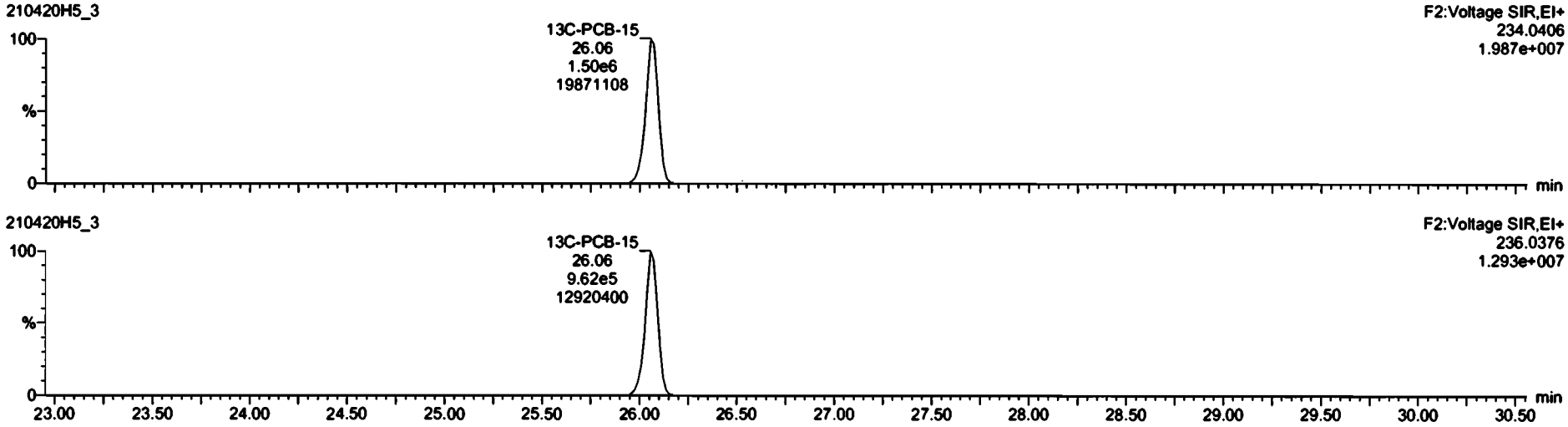
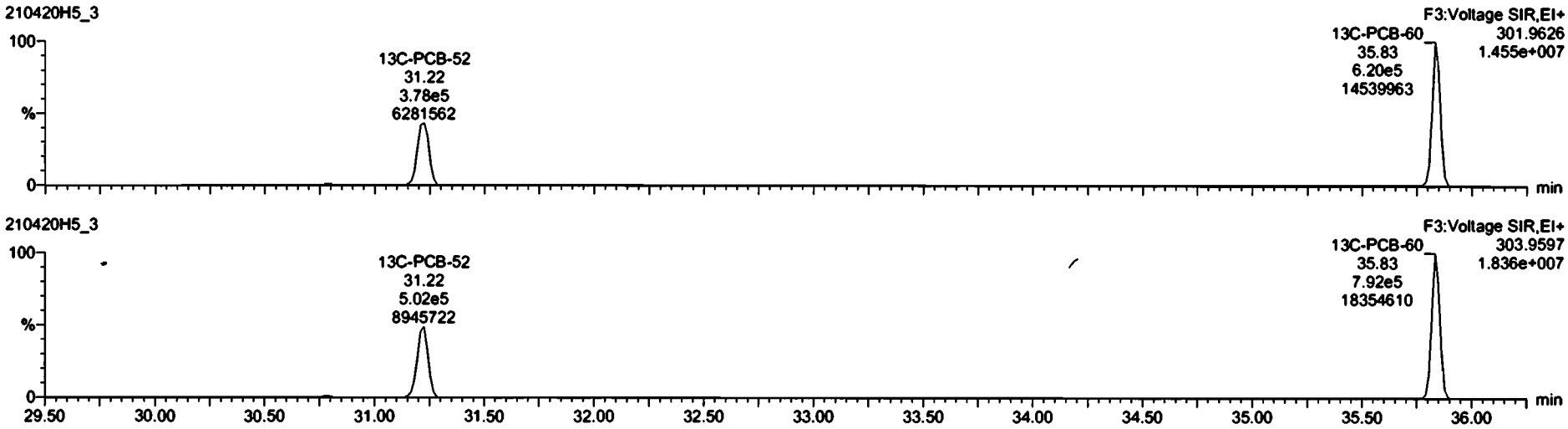
13C-PCB-15



13C-PCB-60



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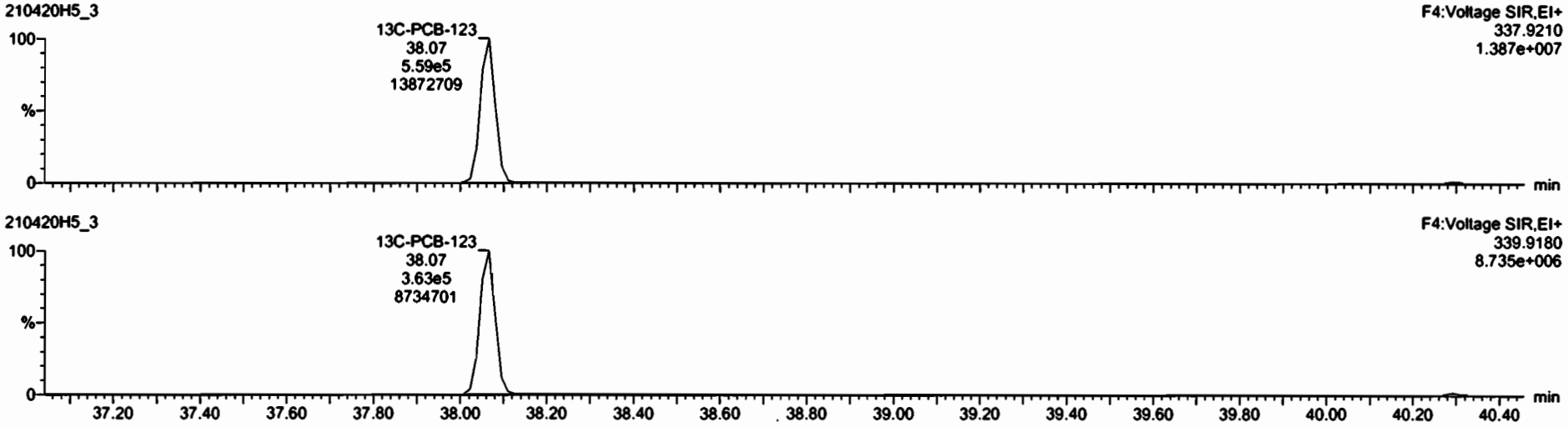
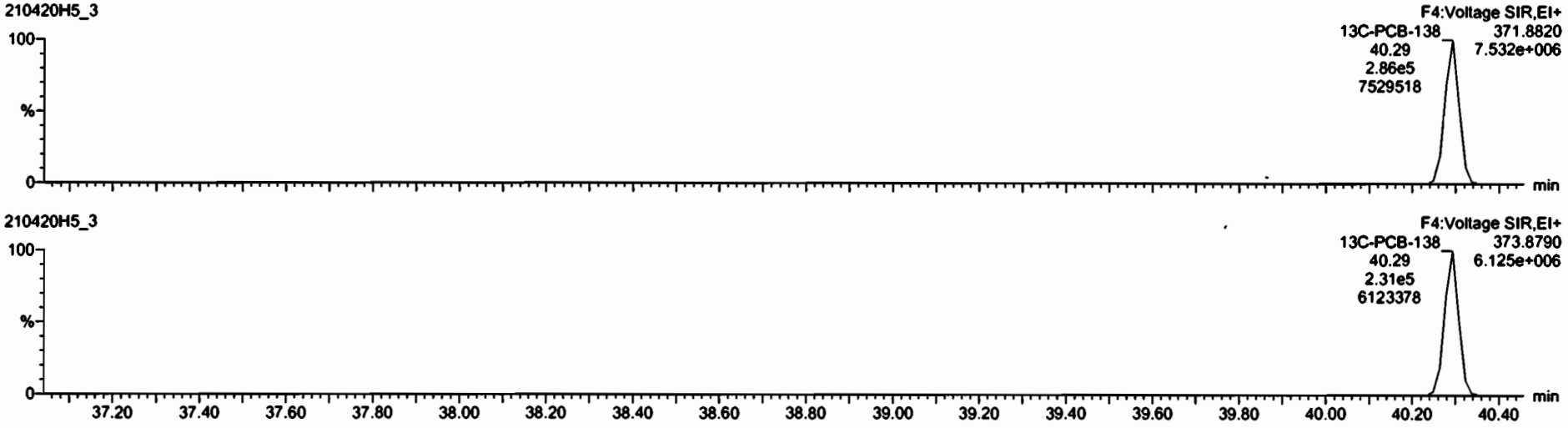
13C-PCB-123



13C-PCB-138



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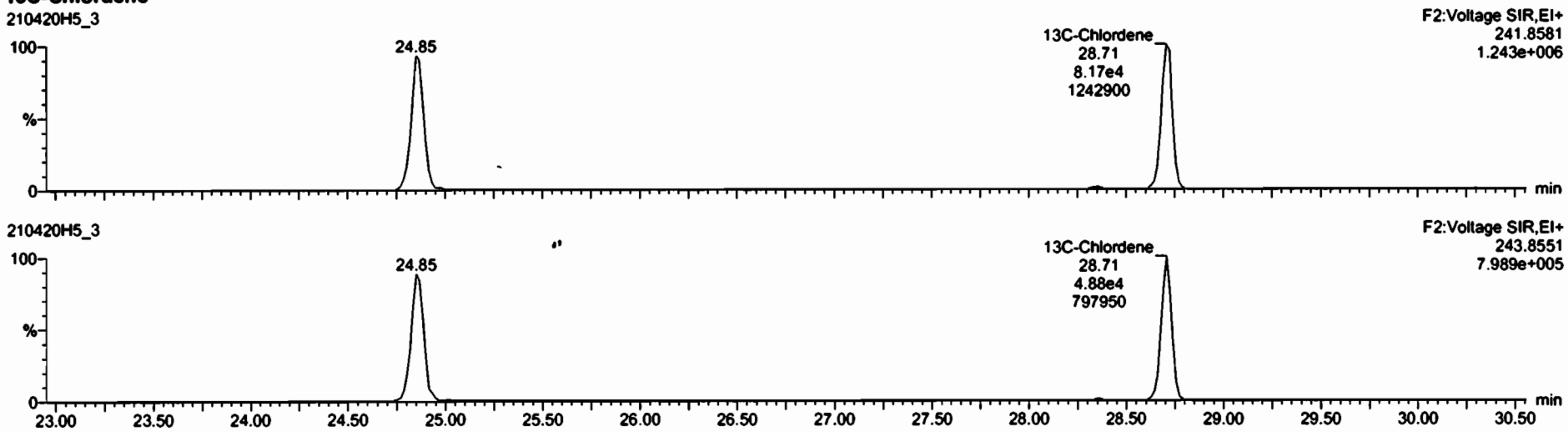
13C-Chlordene



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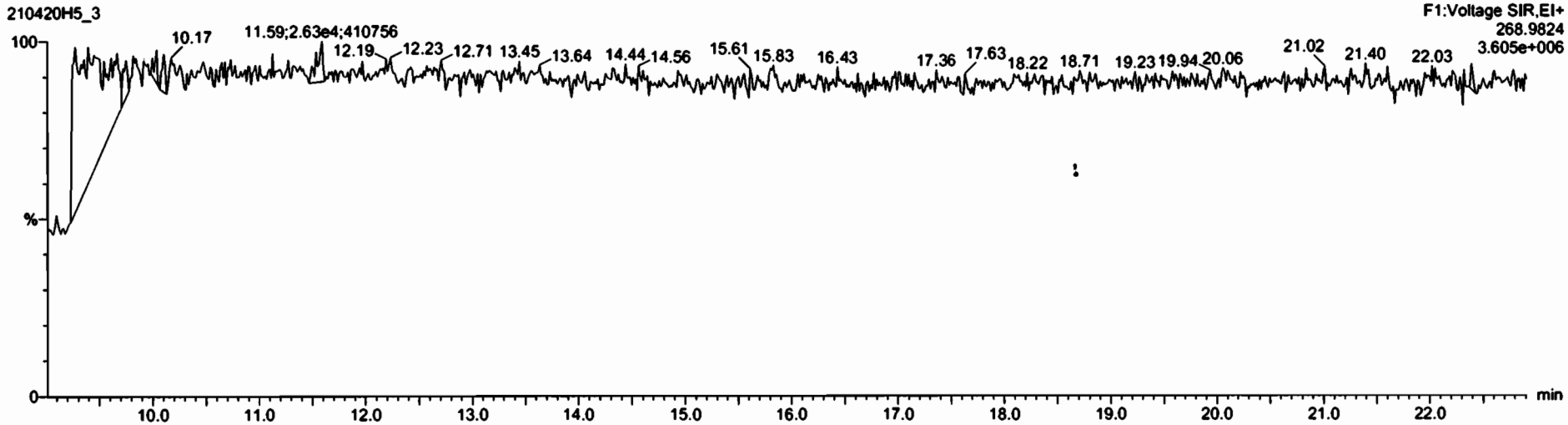

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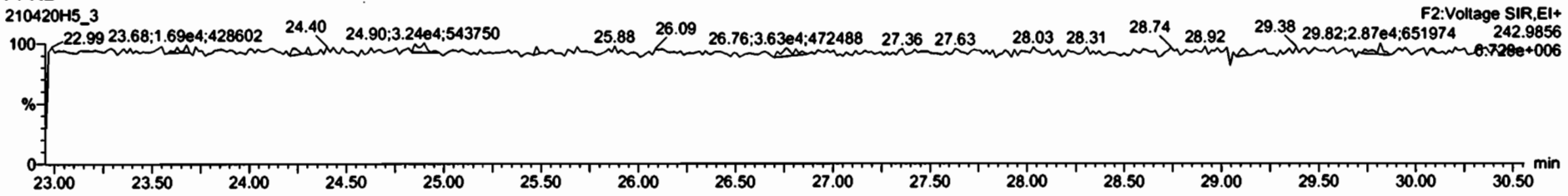
PFK2



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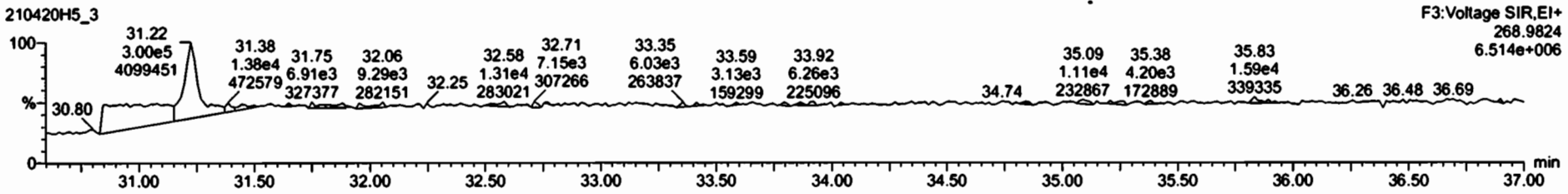

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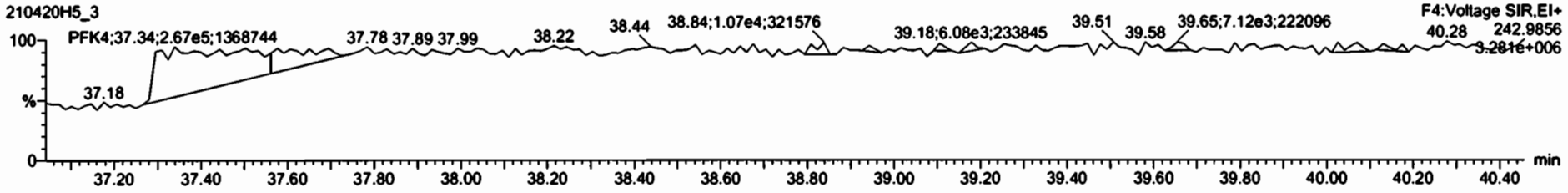

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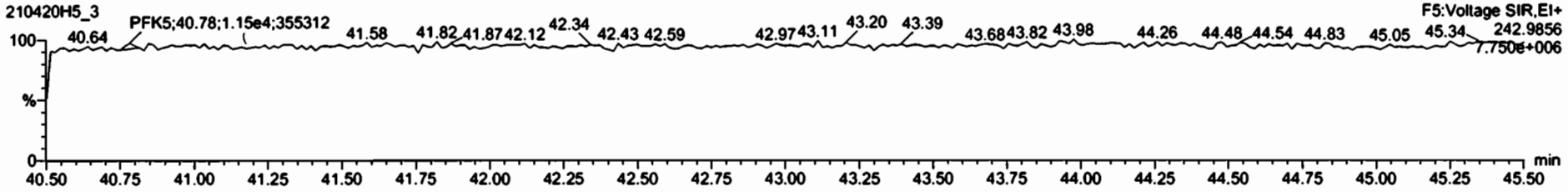

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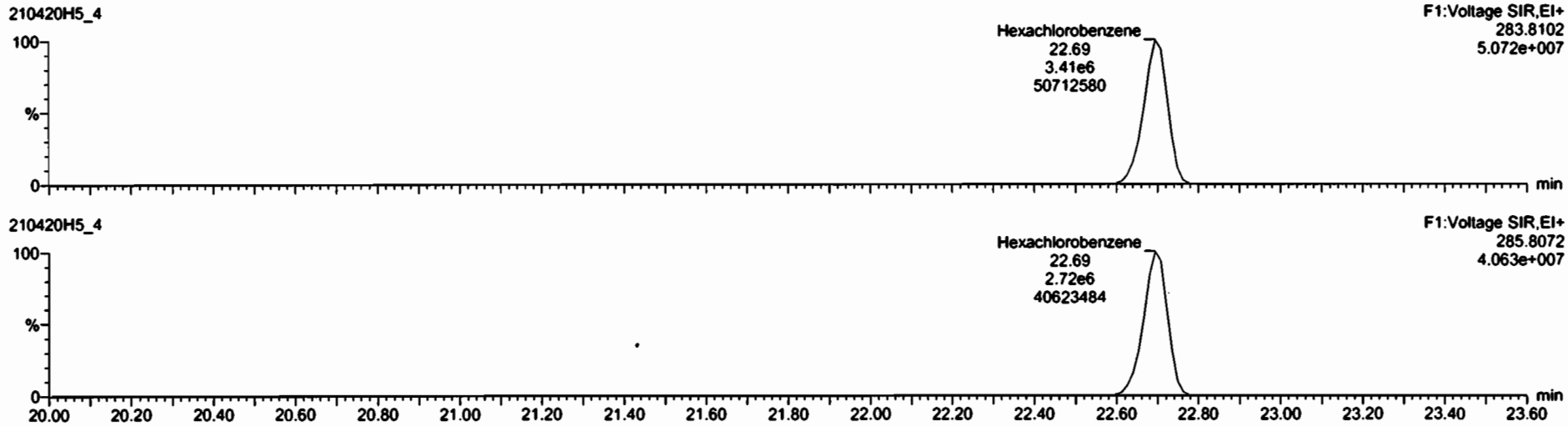
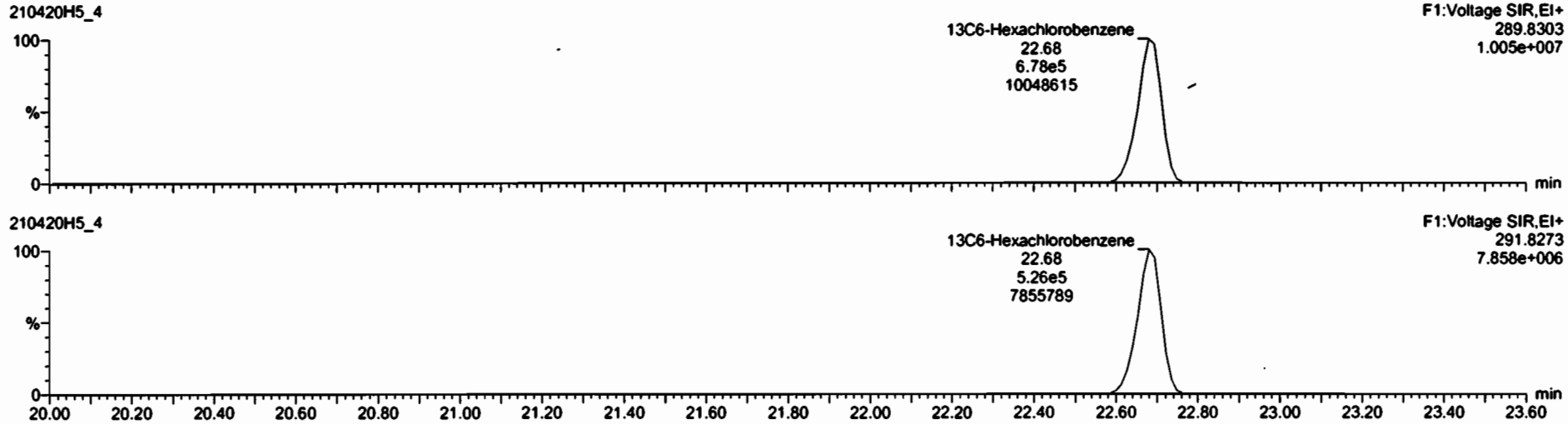
Hexachlorobenzene



13C6-Hexachlorobenzene



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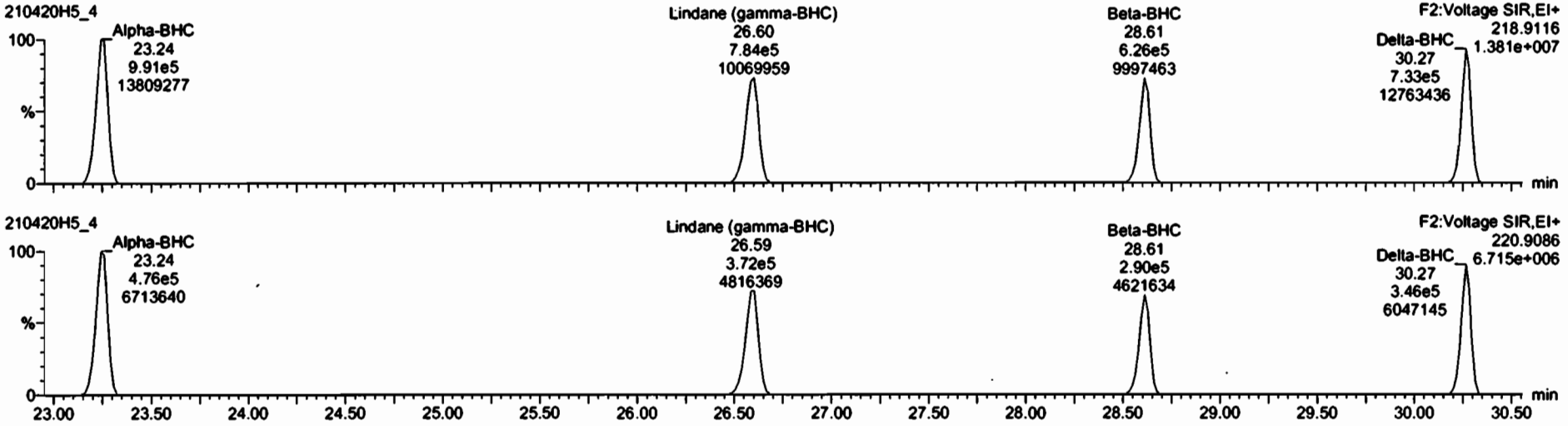
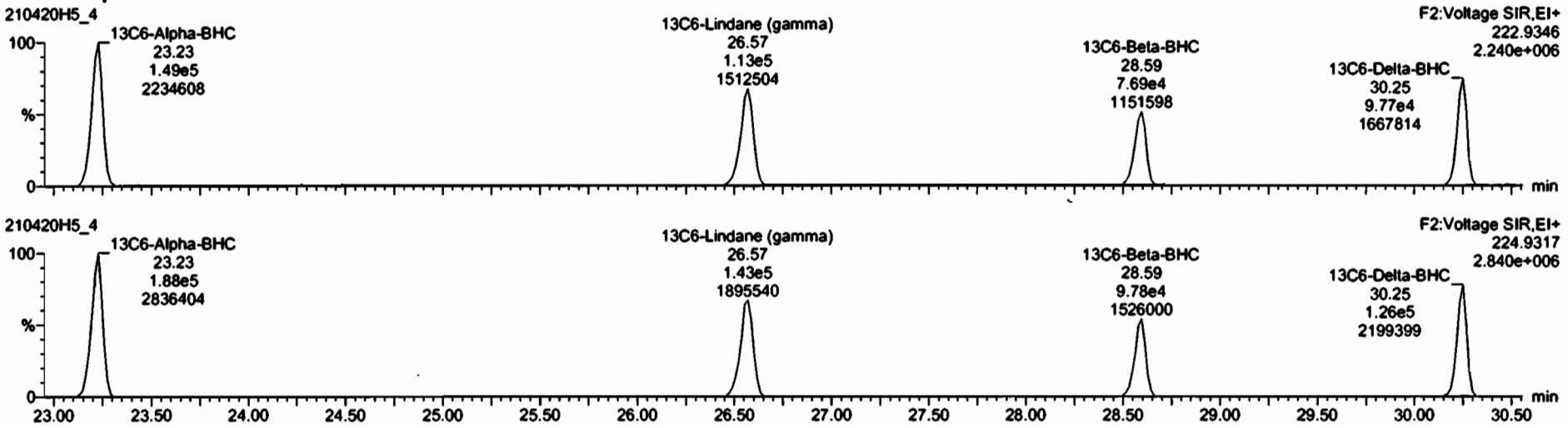
BHC Totals



BHC-Isotopes



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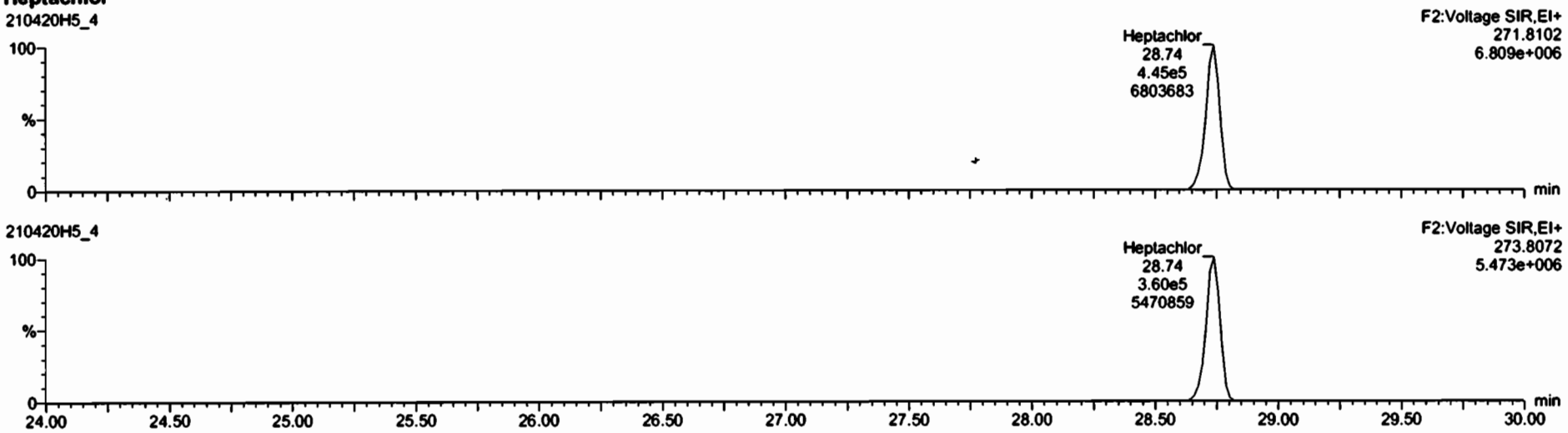
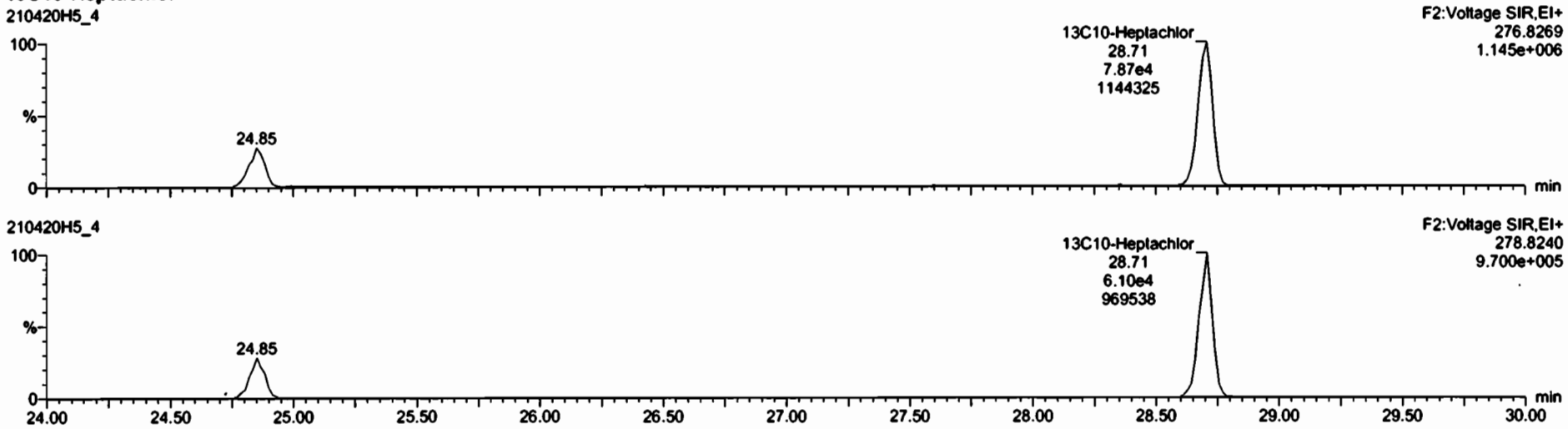
Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

Name: 210420H5_4, Date: 20-Apr-2021, Time: 20:38:48, ID: ST210420H5_4 1699 CS4 21D0902, Description: 1699 CS4 21D0902

Heptachlor



13C10-Heptachlor



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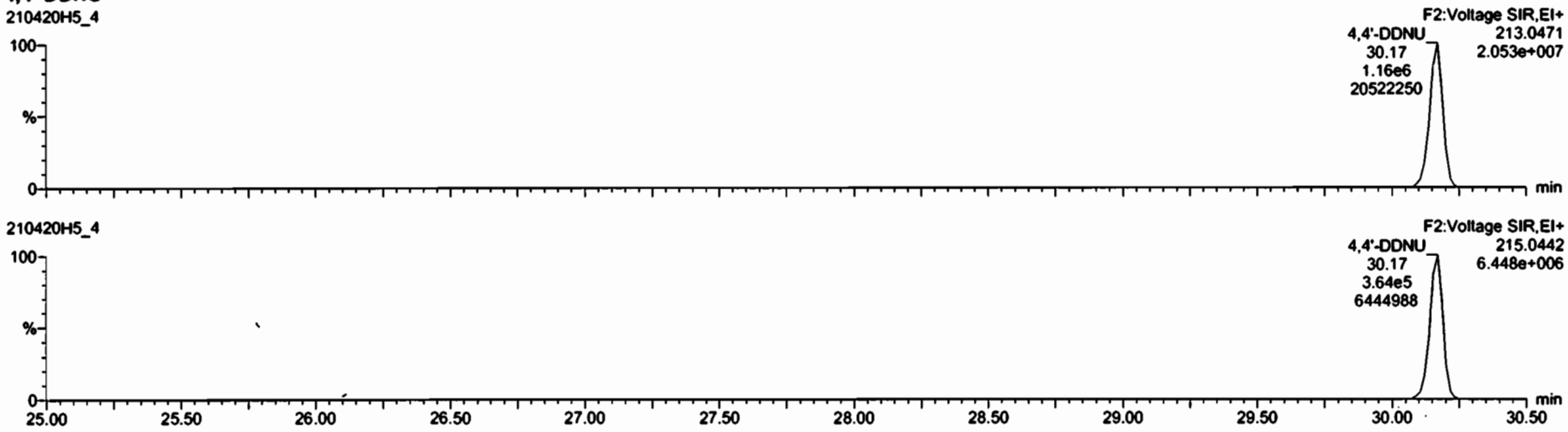
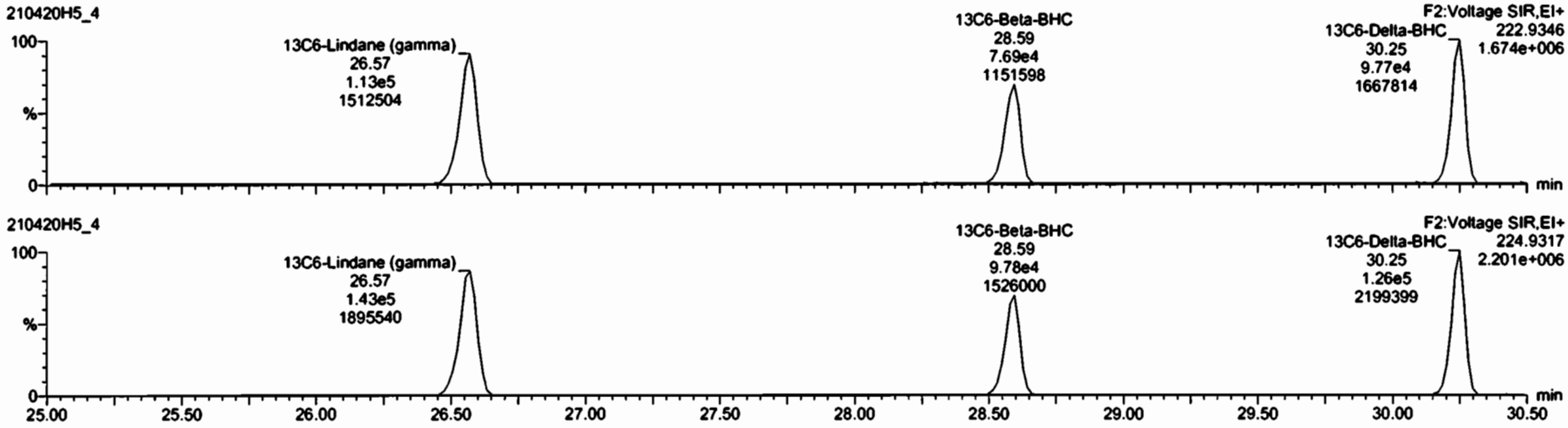
Name: 210420H5_4, Date: 20-Apr-2021, Time: 20:38:48, ID: ST210420H5_4 1699 CS4 21D0902, Description: 1699 CS4 21D0902

4,4'-DDNU



13C6-Delta-BHC



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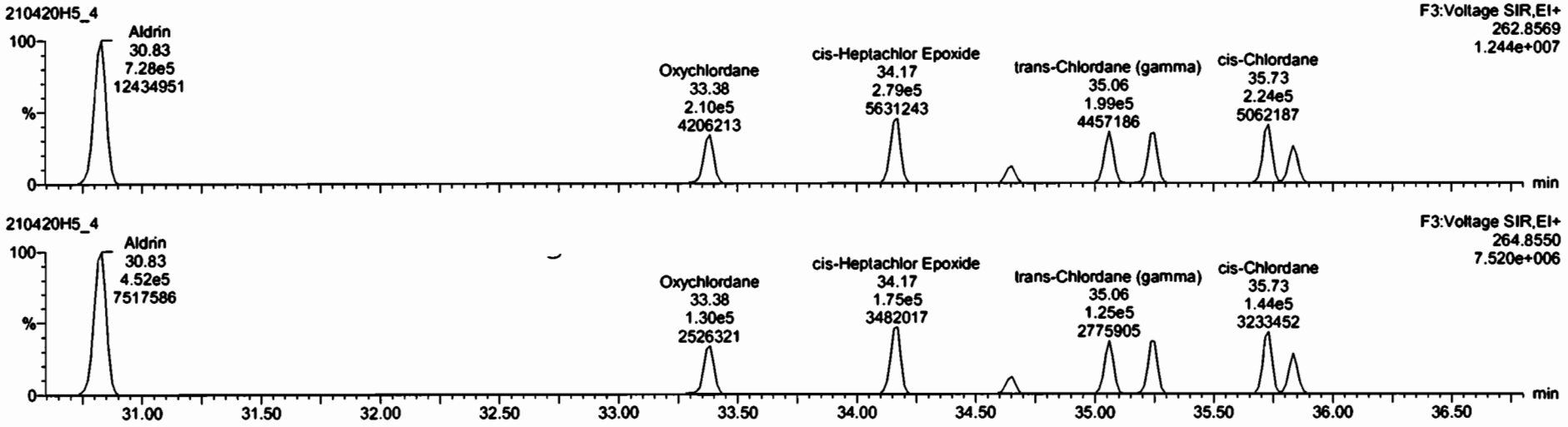
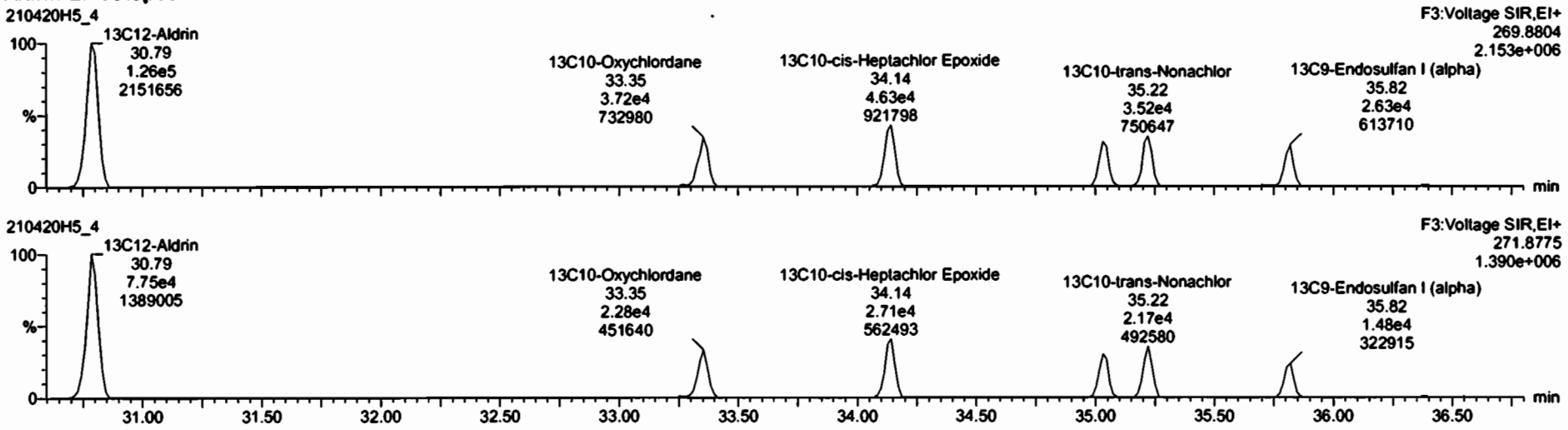
Aldrin-EI



Aldrin-EI-isotopes



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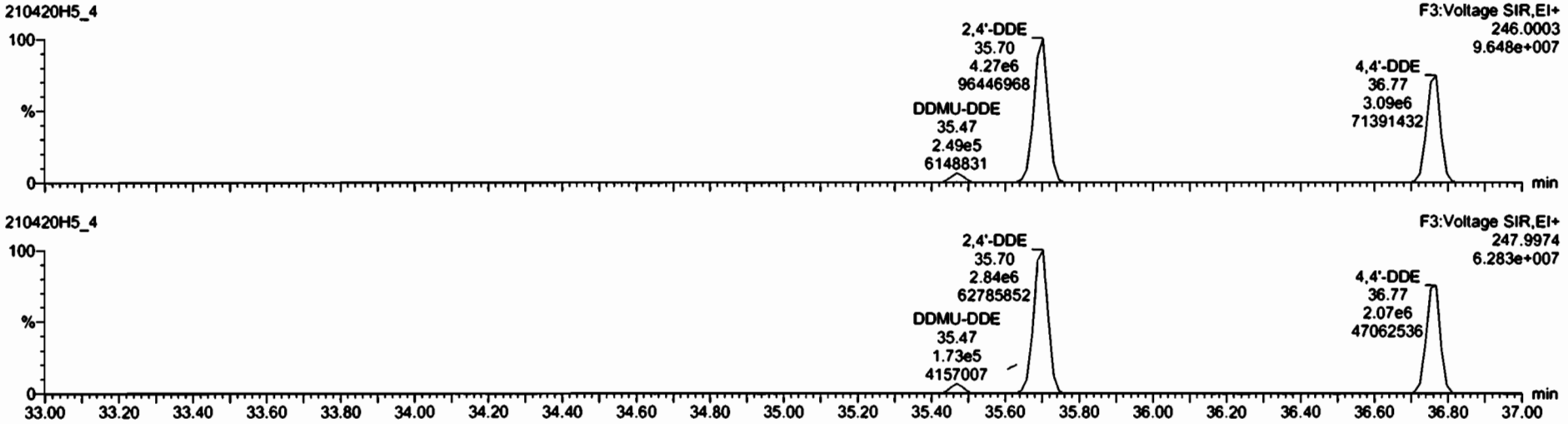
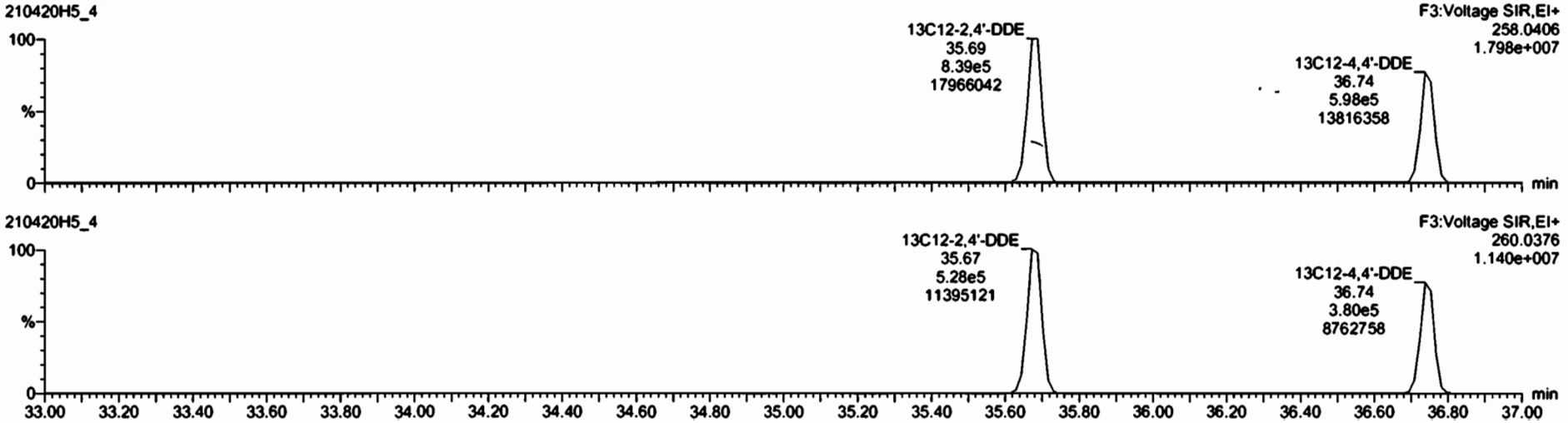
DDMU-DDE



DDE-Isotopes



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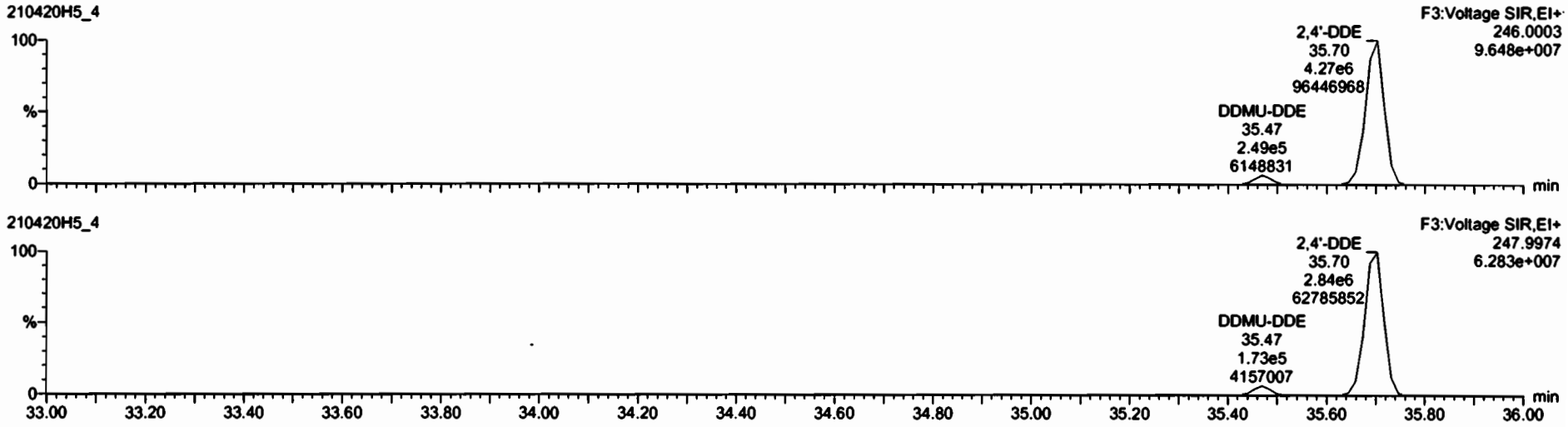
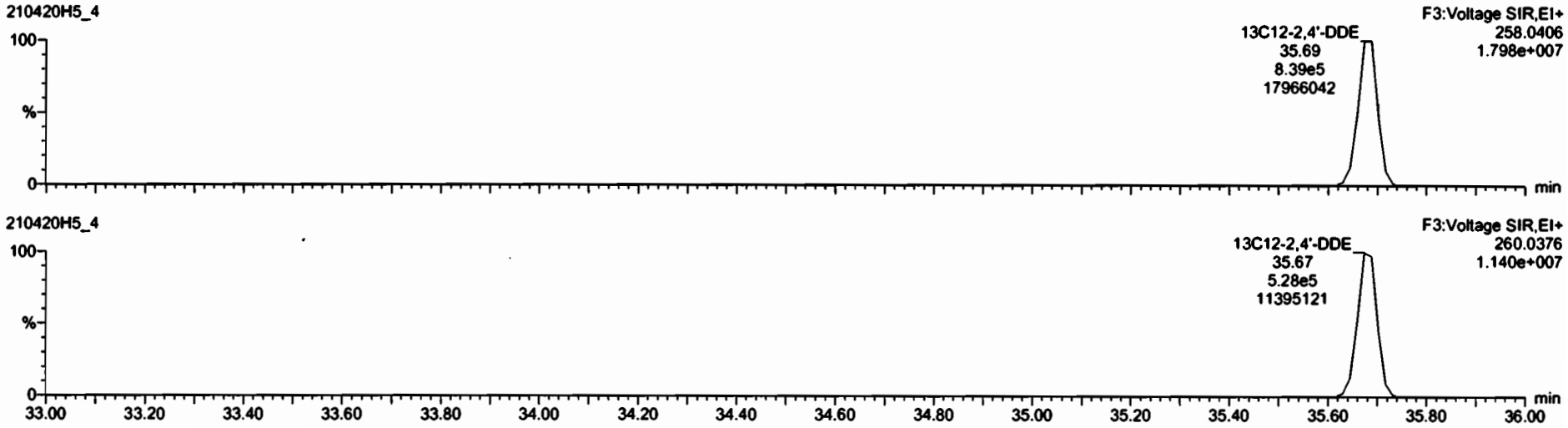
2,4'-DDE



13C12-2,4'-DDE



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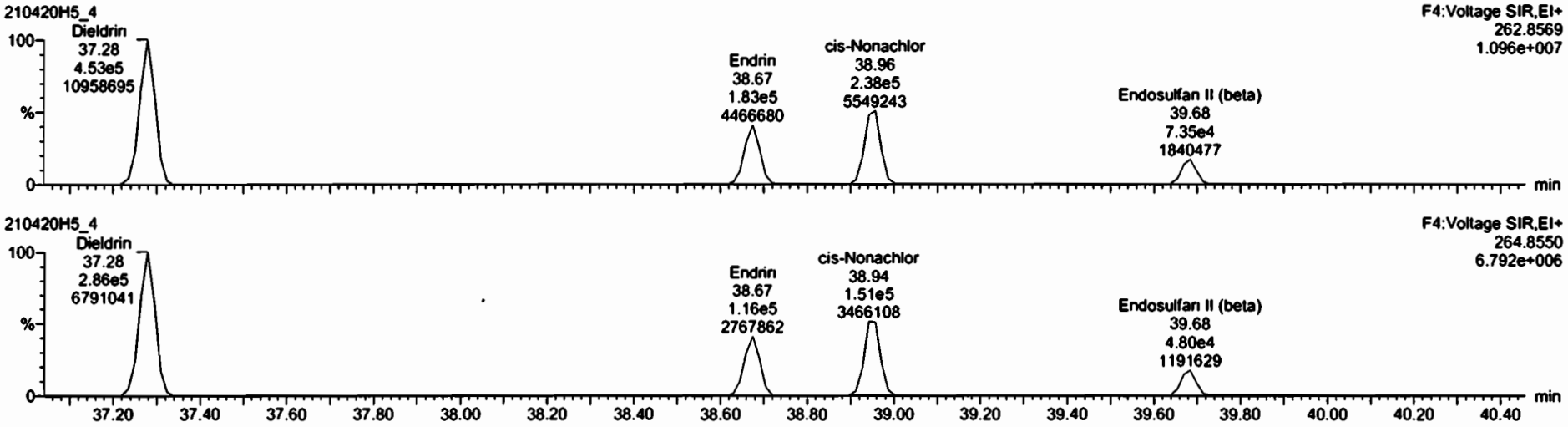
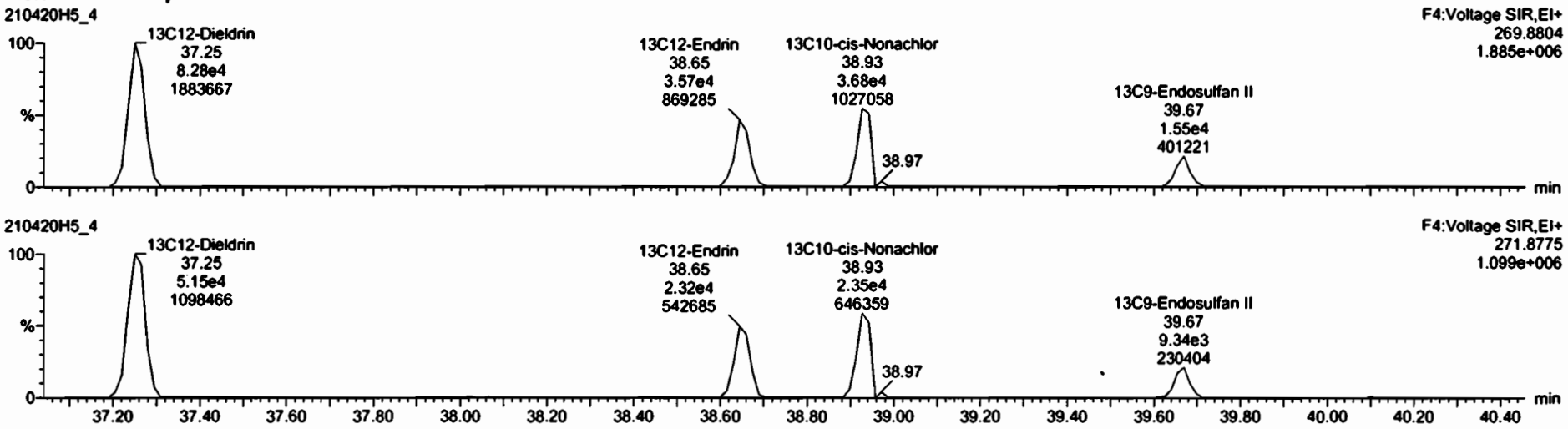
Dieldrin-EII



Dieldrin-EII-isotopes



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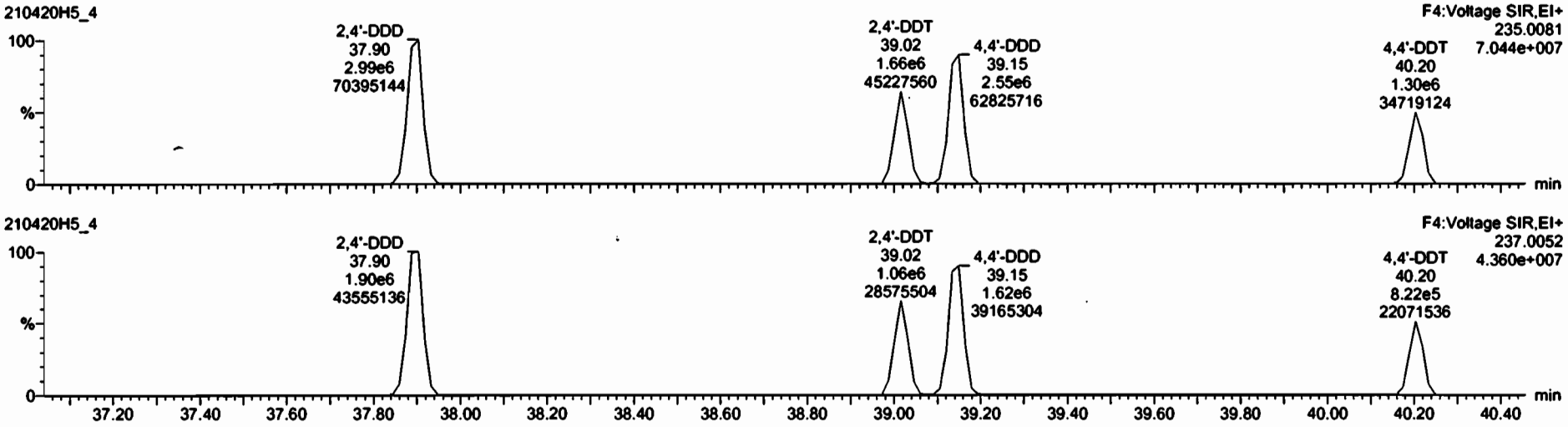
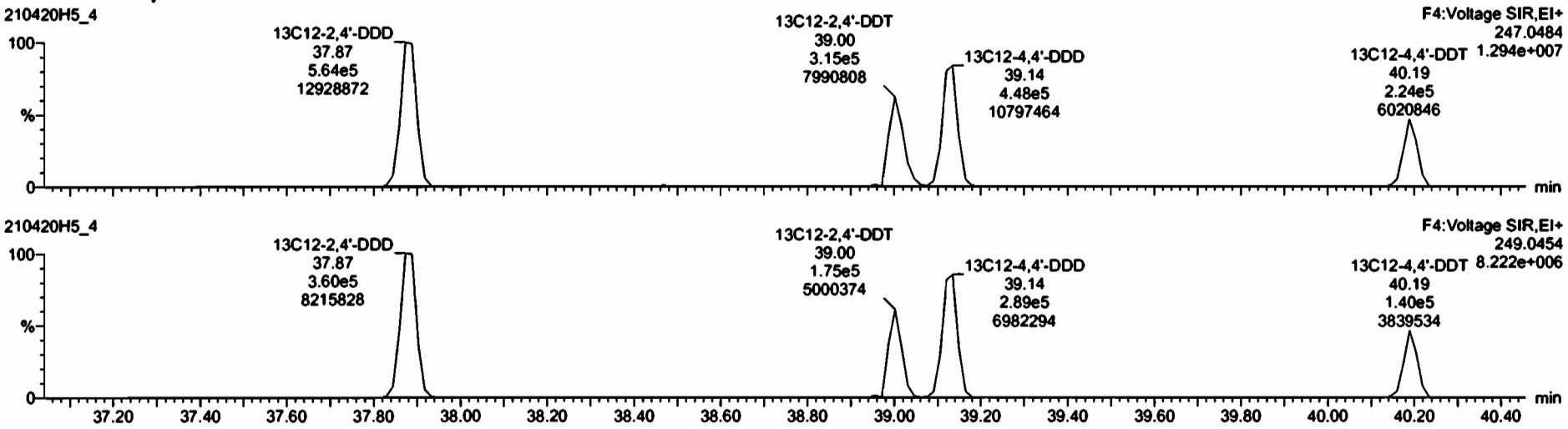
DDD-DDT



DDD-DDT-Isotopes



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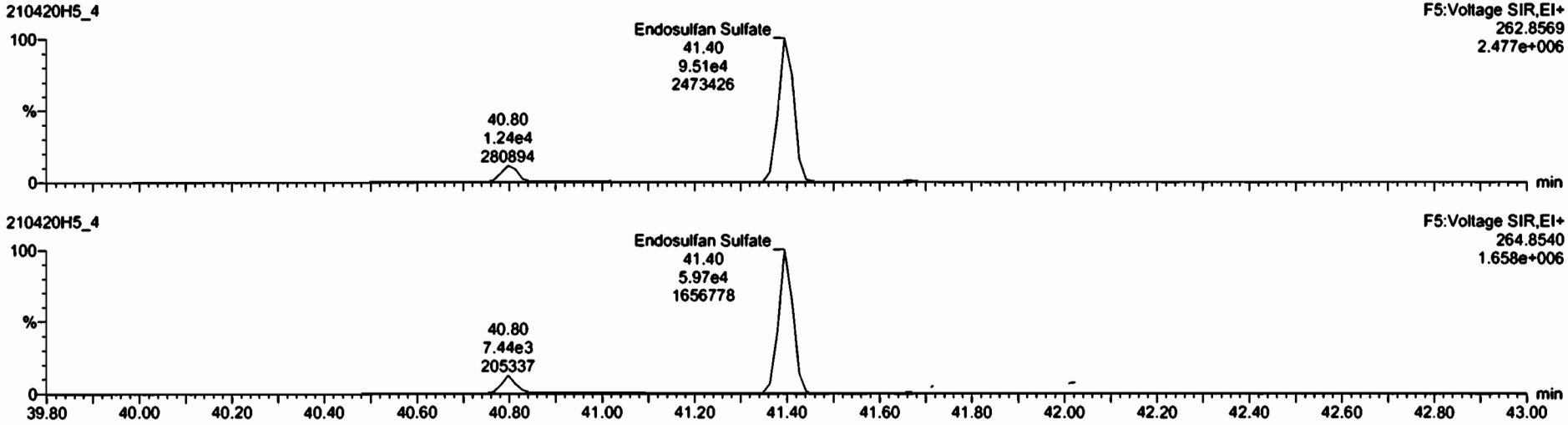
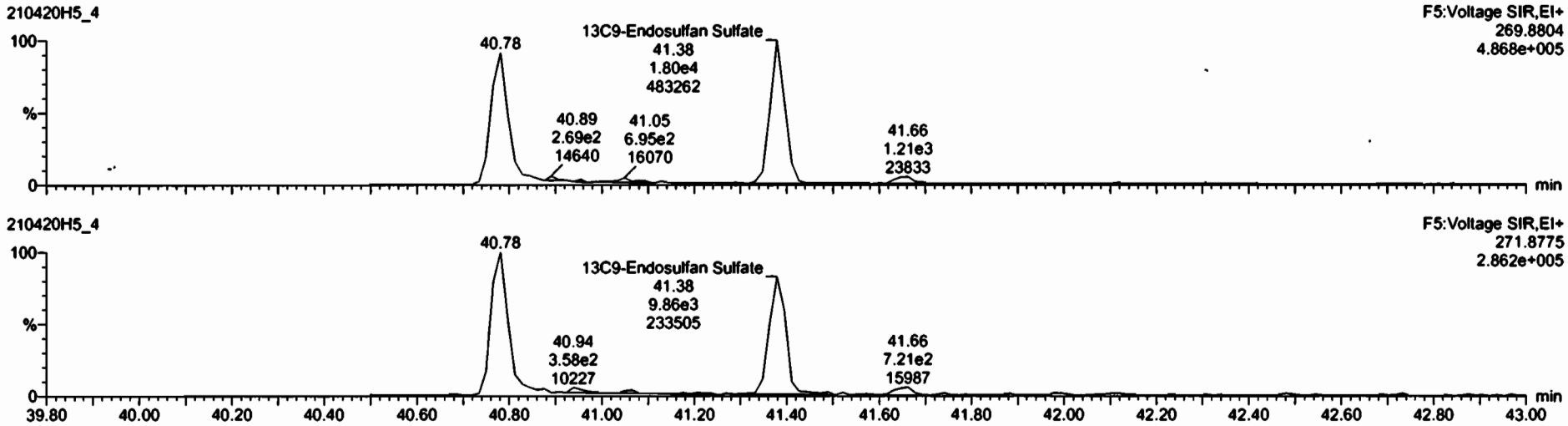
Name: 210420H5_4, Date: 20-Apr-2021, Time: 20:38:48, ID: ST210420H5_4 1699 CS4 21D0902, Description: 1699 CS4 21D0902

Endosulfan Sulfate



13C9-Endosulfan Sulfate



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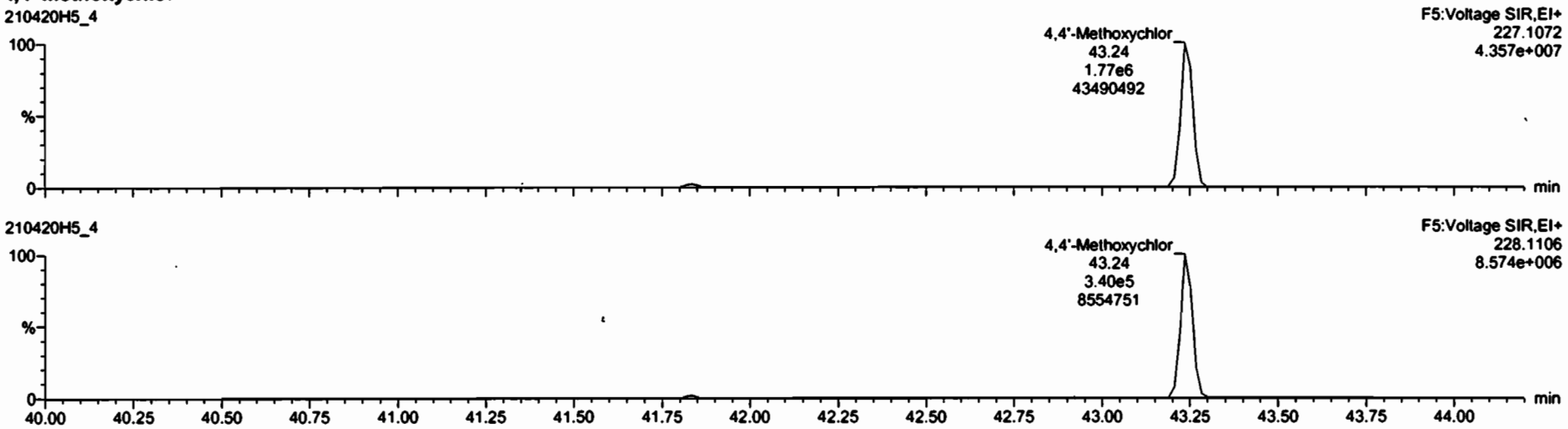
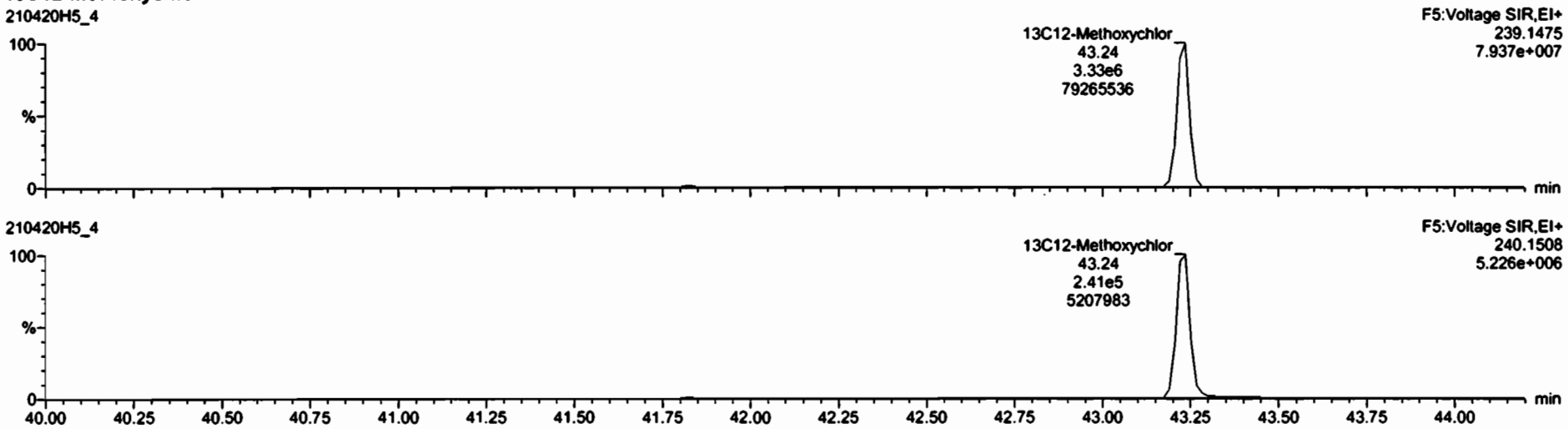
4,4'-Methoxychlor



13C12-Methoxychlor



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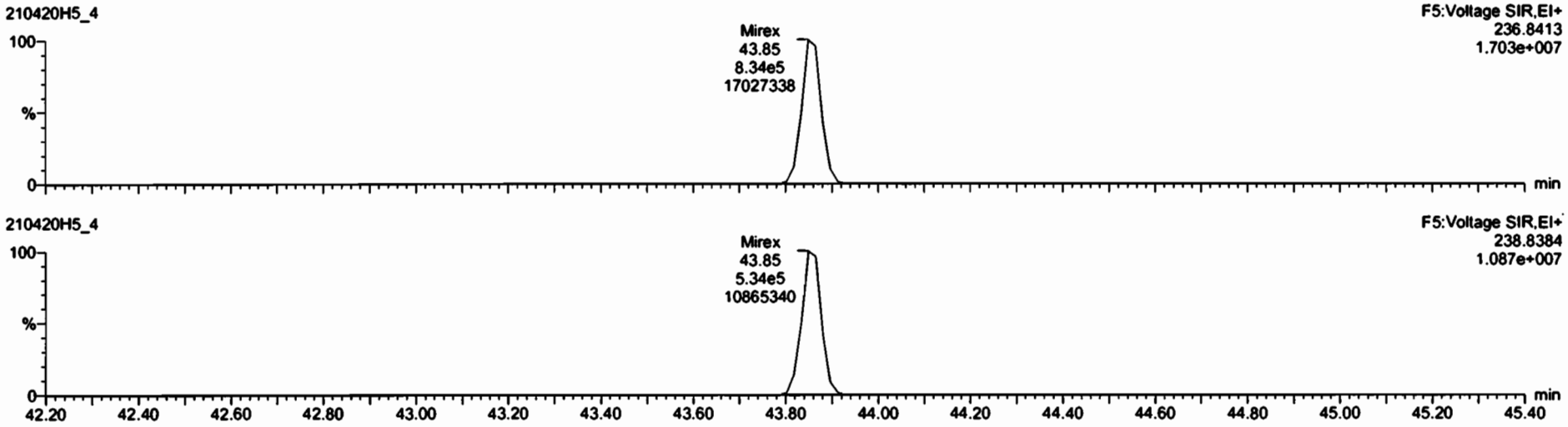
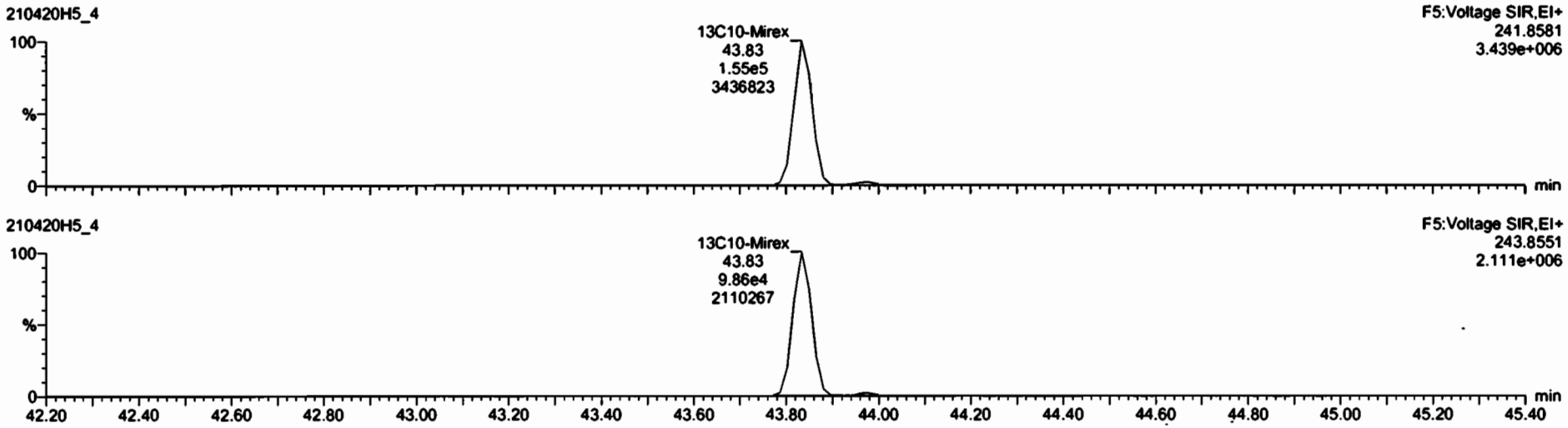
Mirex



13C10-Mirex



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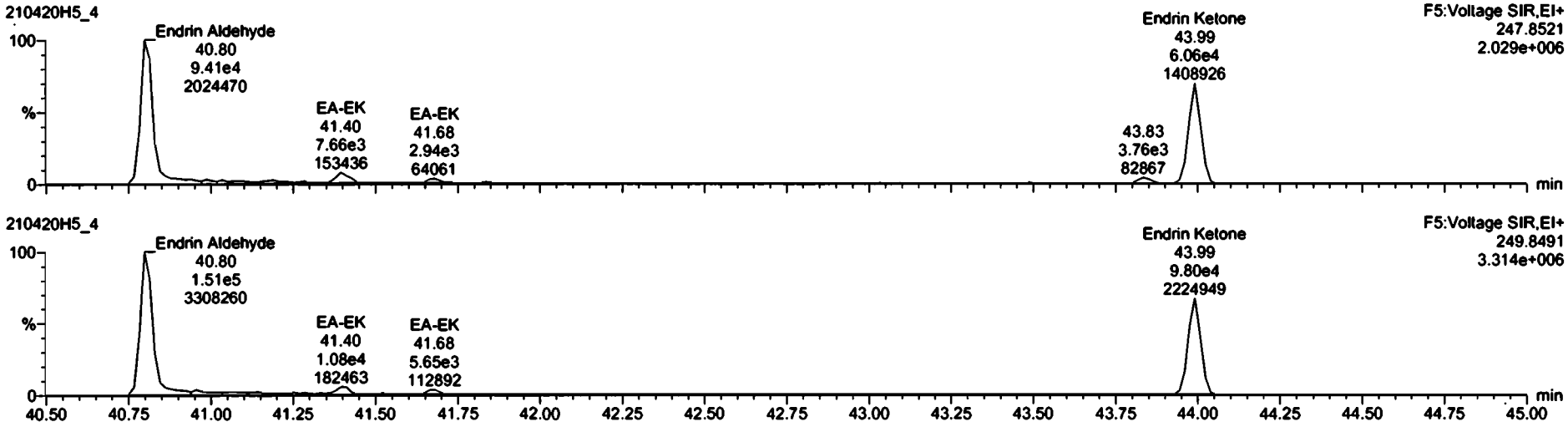
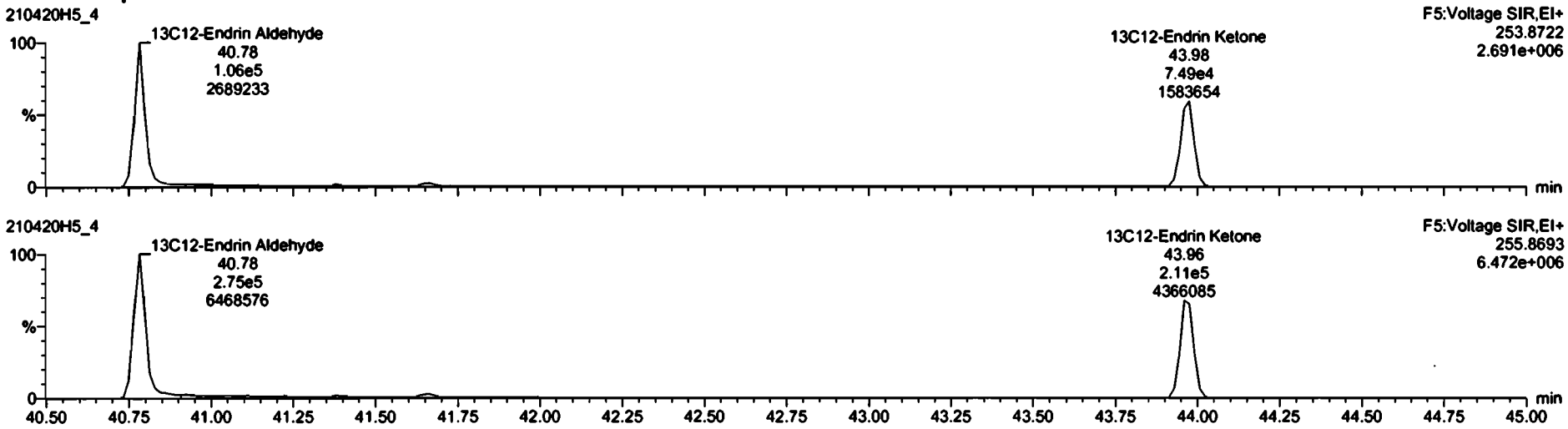
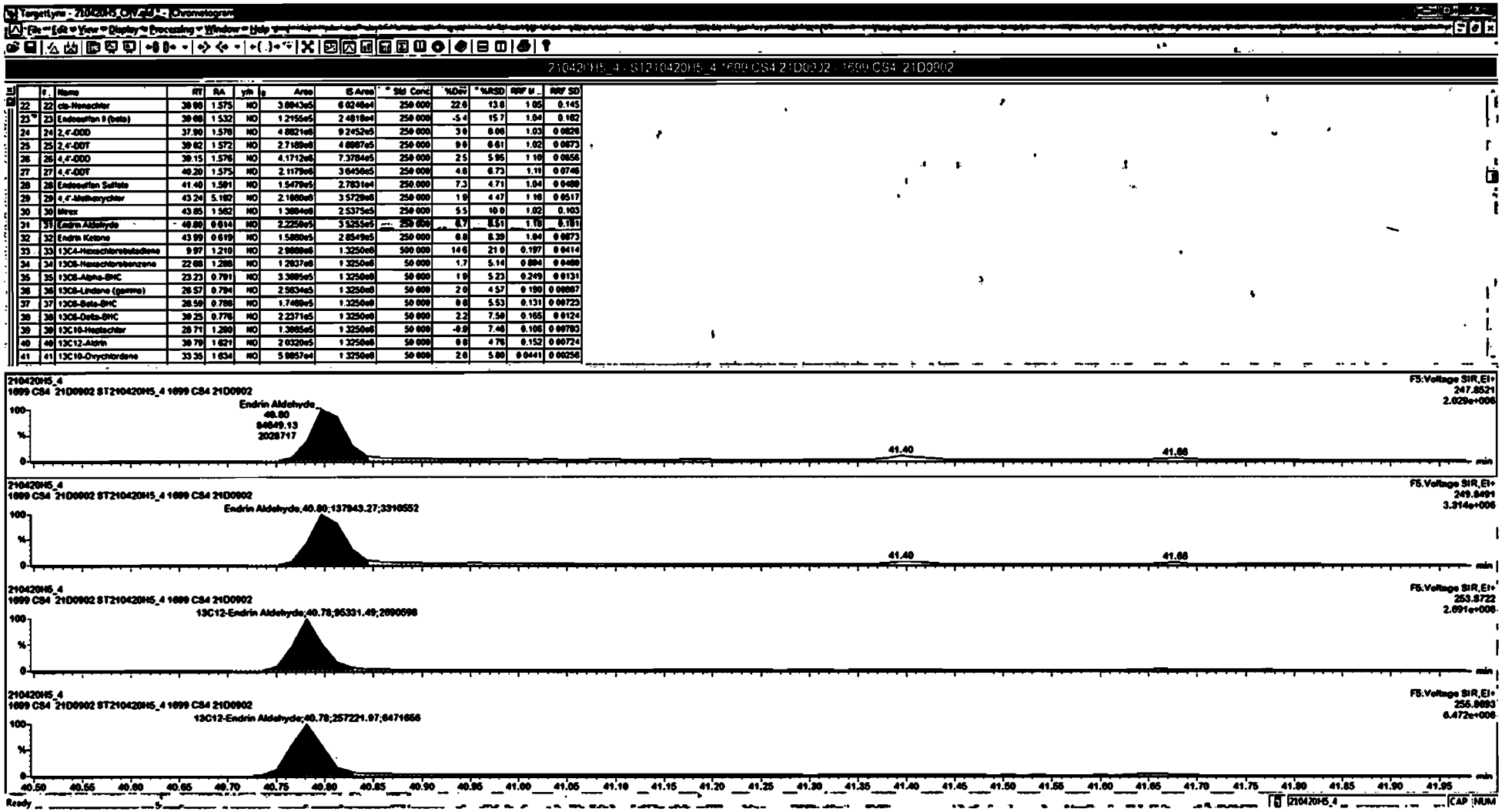
EA-EK



EA-EK-Isotopes





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22	22	cis-Nonachlor	39.66	1.575	NO	3.8843e5	6.0246e4	250.000	22.6	13.8	1.05	0.145
23	23	Endosulfan II (beta)	39.66	1.532	NO	1.2155e5	2.4818e4	250.000	-5.4	15.7	1.04	0.162
24	24	2,4'-DDD	37.90	1.576	NO	4.8821e6	9.2452e5	250.000	3.9	8.06	1.03	0.0826
25	25	2,4'-DDT	39.62	1.572	NO	2.7189e6	4.6887e5	250.000	9.9	6.61	1.02	0.0673
26	26	4,4'-DDD	39.15	1.576	NO	4.1712e6	7.3784e5	250.000	2.5	5.95	1.10	0.0656
27	27	4,4'-DDT	40.20	1.575	NO	2.1179e6	3.6456e5	250.000	4.6	6.73	1.11	0.0746
28	28	Endosulfan Sulfate	41.48	1.591	NO	1.5479e5	2.7831e4	250.000	7.3	4.71	1.04	0.0489
29	29	4,4'-Methoxychlor	43.24	5.182	NO	2.1660e6	3.5729e5	250.000	1.9	4.47	1.16	0.0517
30	30	Mirex	43.65	1.562	NO	1.3884e6	2.5375e5	250.000	5.5	10.0	1.02	0.103
31	31	Endrin Aldehyde	40.80	0.614	NO	2.2254e5	3.5253e5	250.000	-8.7	8.51	1.15	0.101
32	32	Endrin Ketone	43.99	0.619	NO	1.5880e5	2.8549e5	250.000	8.8	8.39	1.04	0.0873
33	33	13C4-Hexachlorobutadiene	9.97	1.210	NO	2.9888e6	1.3250e6	500.000	14.6	21.0	0.197	0.0414
34	34	13C6-Hexachlorobenzene	22.68	1.288	NO	1.2837e6	1.3250e6	50.000	1.7	5.14	0.894	0.0459
35	35	13C6-Alpha-BHC	23.23	0.791	NO	3.3885e5	1.3250e6	50.000	1.9	5.23	0.249	0.0131
36	36	13C6-Lindane (gamma)	26.57	0.794	NO	2.5834e5	1.3250e6	50.000	2.0	4.57	0.190	0.00867
37	37	13C6-Beta-BHC	28.59	0.788	NO	1.7489e5	1.3250e6	50.000	0.6	5.53	0.131	0.00723
38	38	13C6-Delta-BHC	30.25	0.776	NO	2.2371e5	1.3250e6	50.000	2.2	7.58	0.165	0.0124
39	39	13C10-Heptachlor	28.71	1.280	NO	1.3985e5	1.3250e6	50.000	-0.9	7.46	0.106	0.00793
40	40	13C12-Aldrin	30.79	1.621	NO	2.0320e5	1.3250e6	50.000	0.6	4.76	0.152	0.00724
41	41	13C10-Oxychlordane	33.35	1.634	NO	5.9857e4	1.3250e6	50.000	2.0	5.89	0.0441	0.00256

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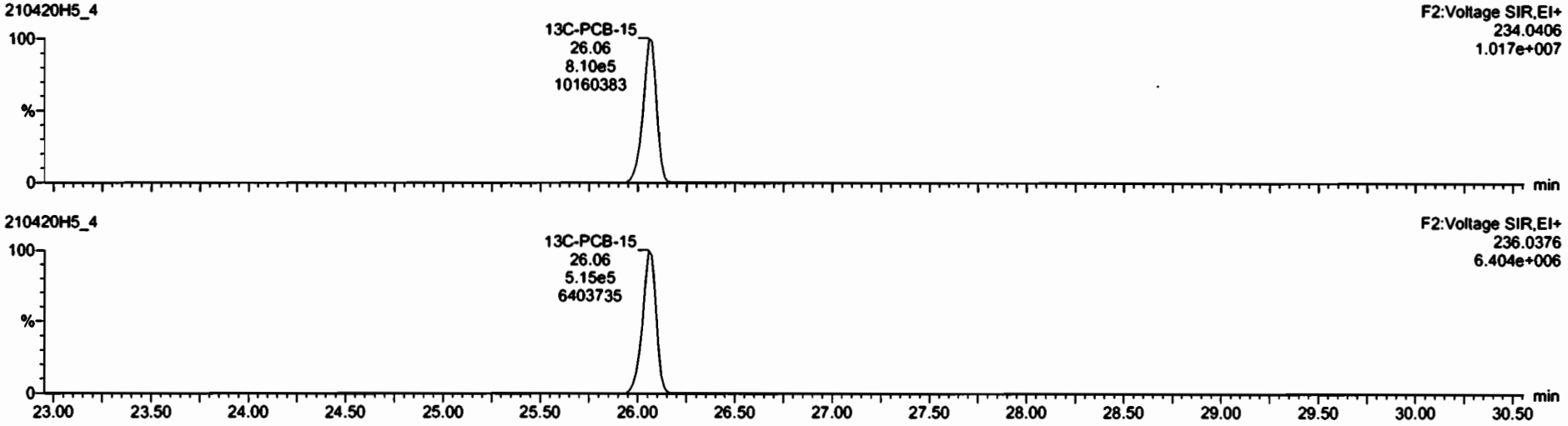
Name: 210420H5_4, Date: 20-Apr-2021, Time: 20:38:48, ID: ST210420H5_4 1699 CS4 21D0902, Description: 1699 CS4 21D0902

13C-PCB-15



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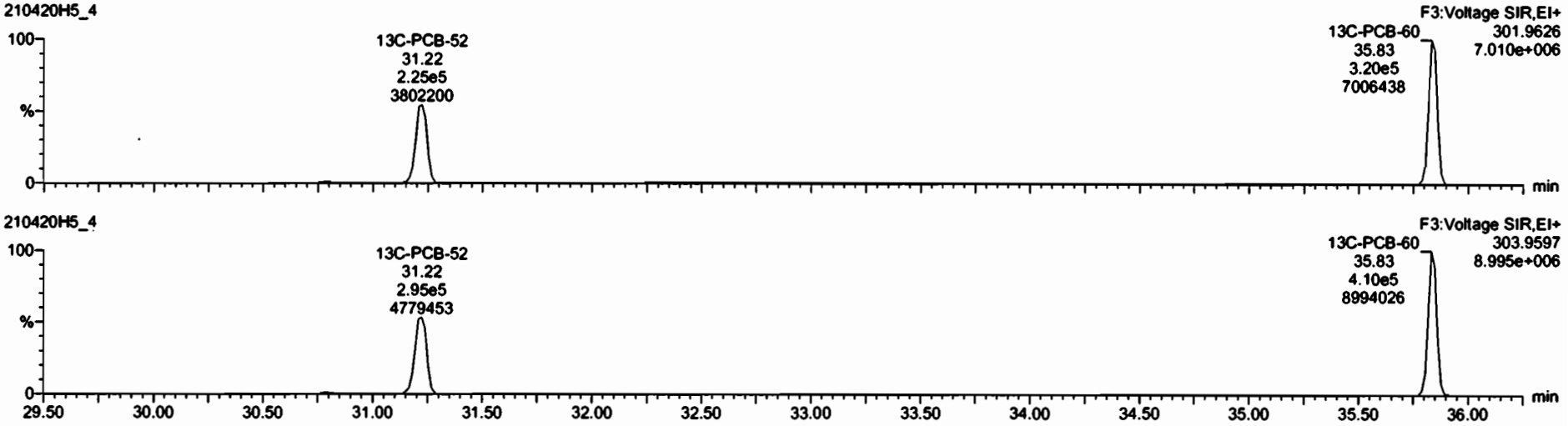

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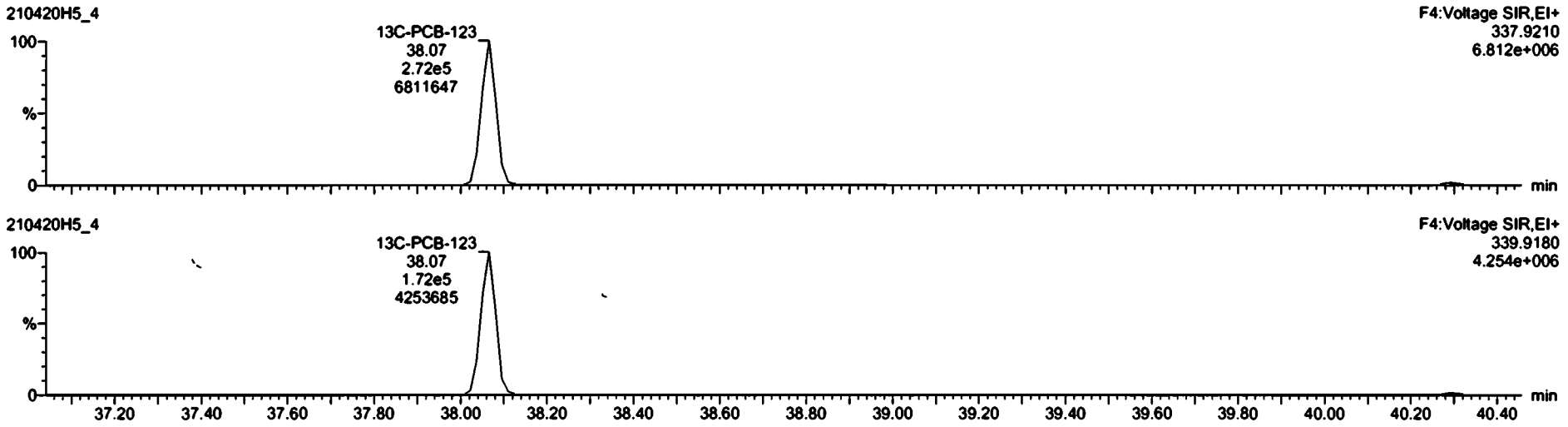
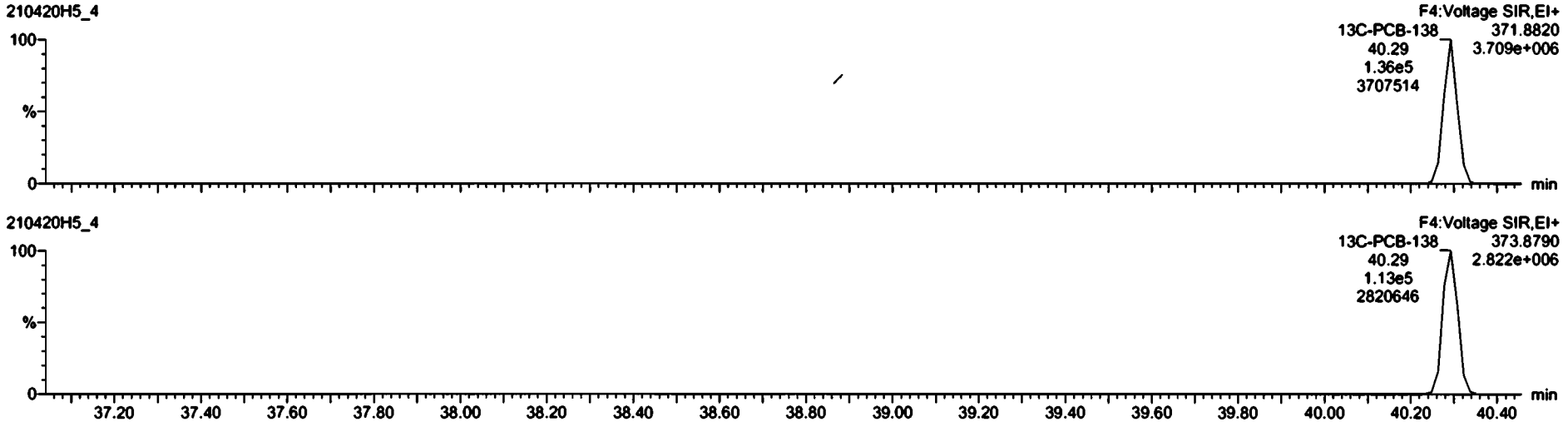
13C-PCB-123



13C-PCB-138



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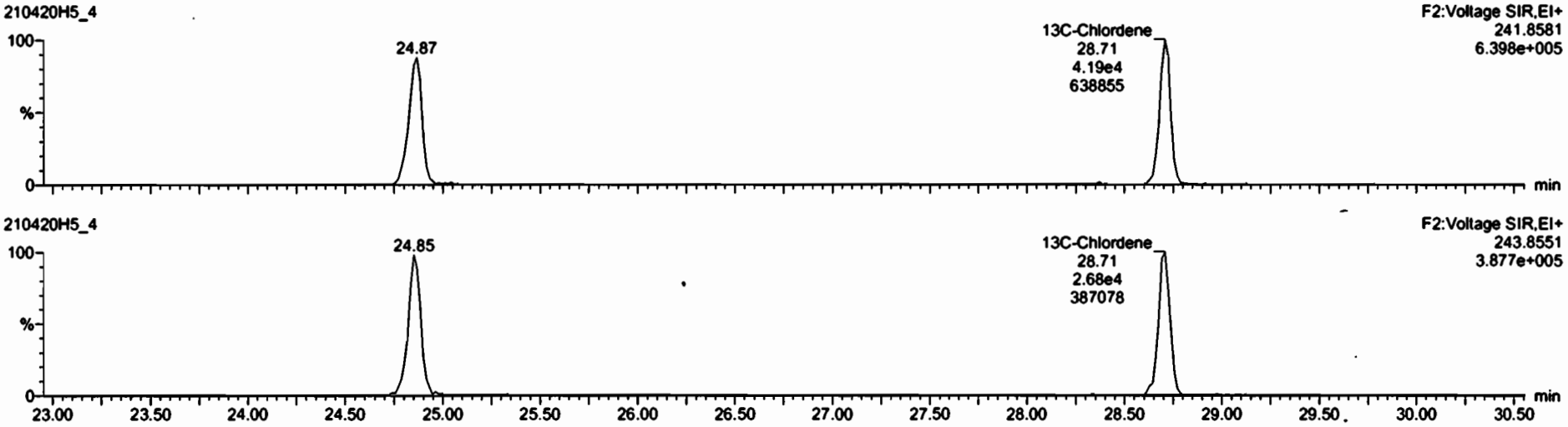
13C-Chlordene



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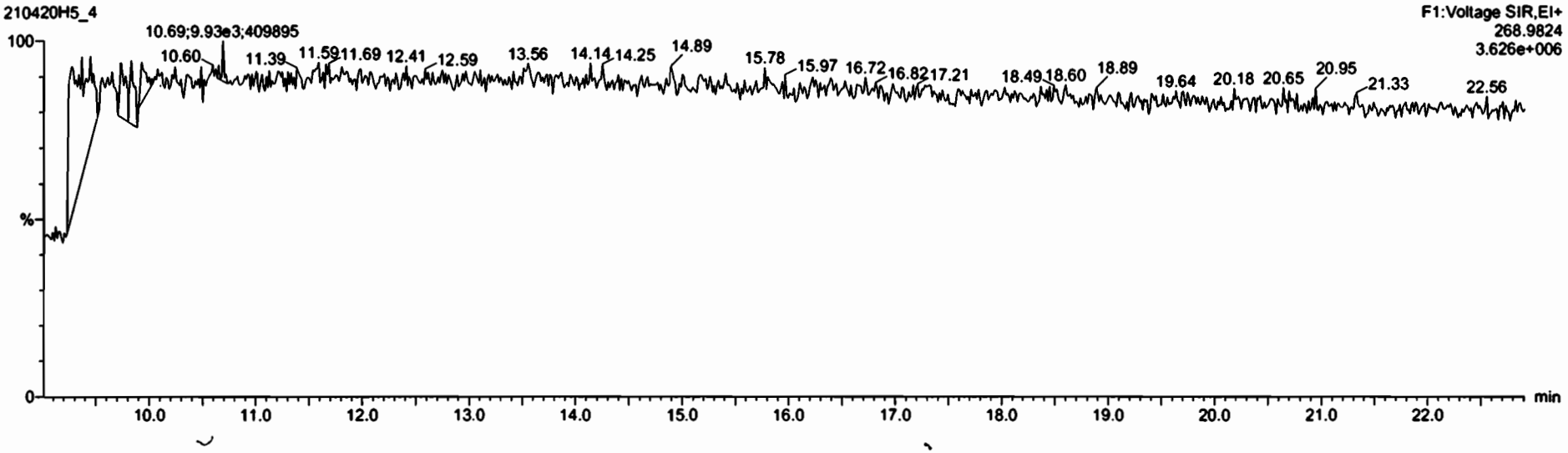

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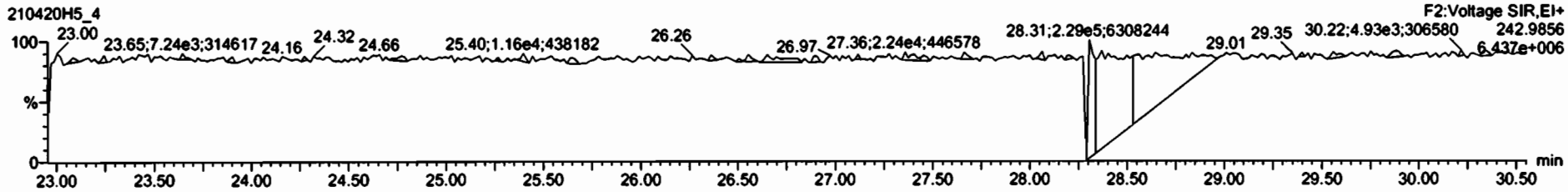
PFK2



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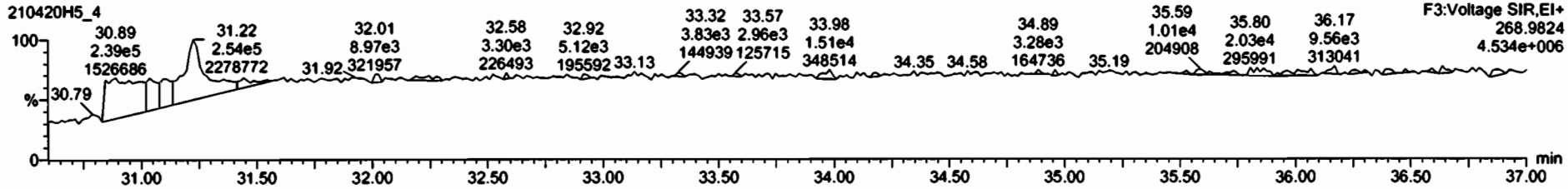

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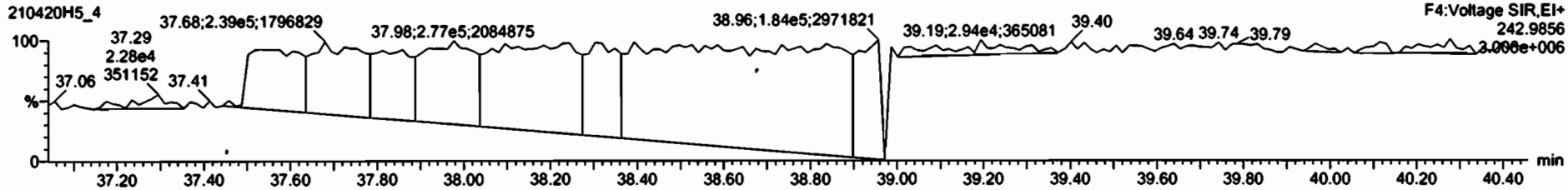

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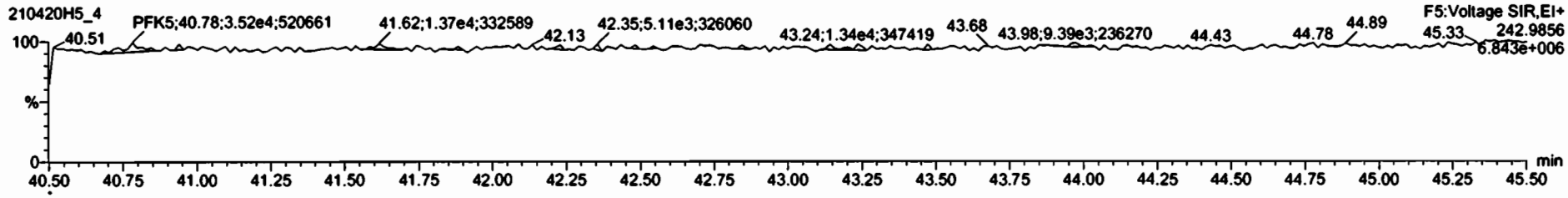

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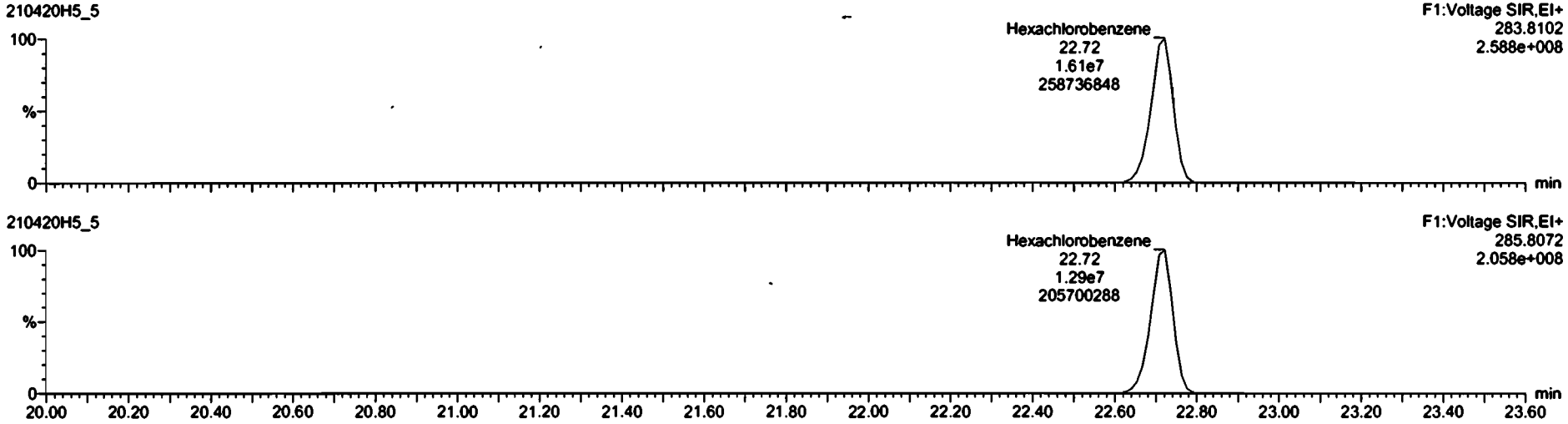
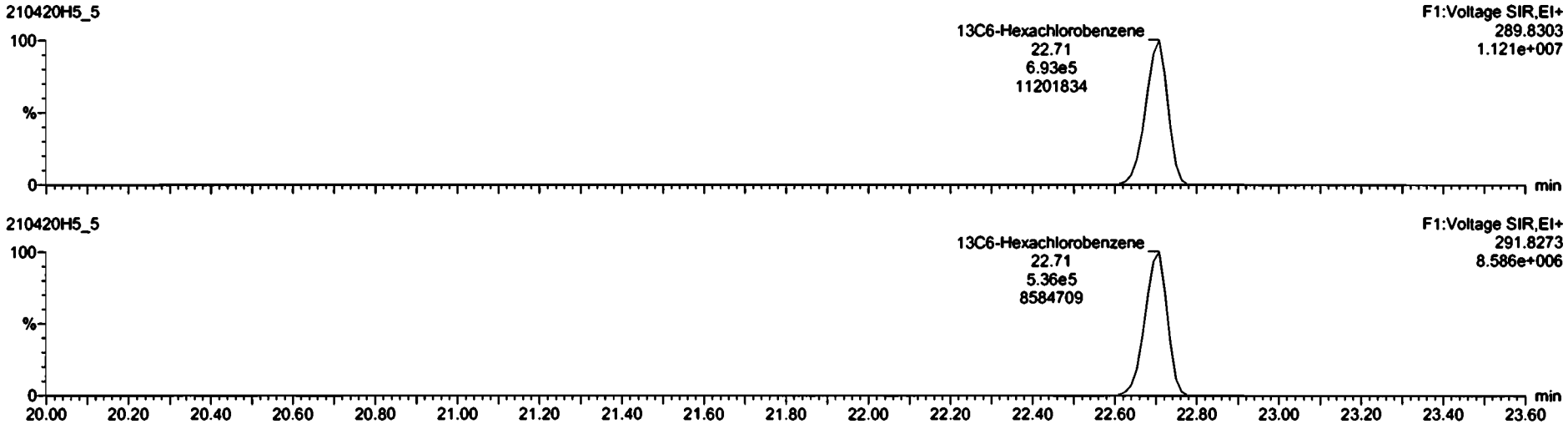
Name: 210420H5_5, Date: 20-Apr-2021, Time: 21:27:08, ID: ST210420H5_5 1699 CS5 21D0903, Description: 1699 CS5 21D0903

Hexachlorobenzene



13C6-Hexachlorobenzene



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Last Altered: Wednesday, April 21, 2021 10:40:25 Pacific Daylight Time
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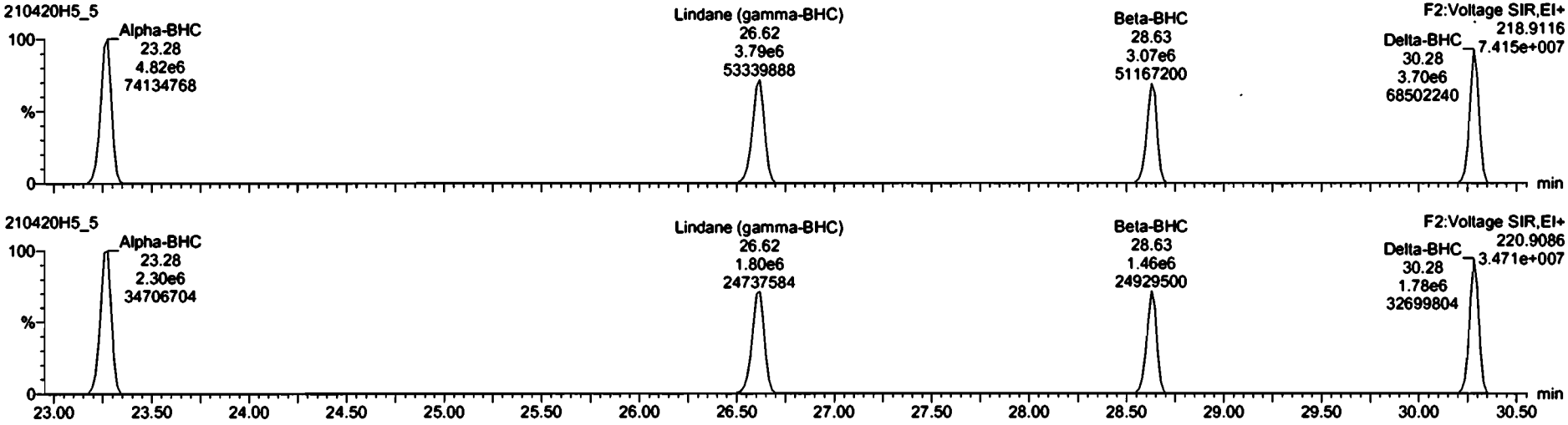
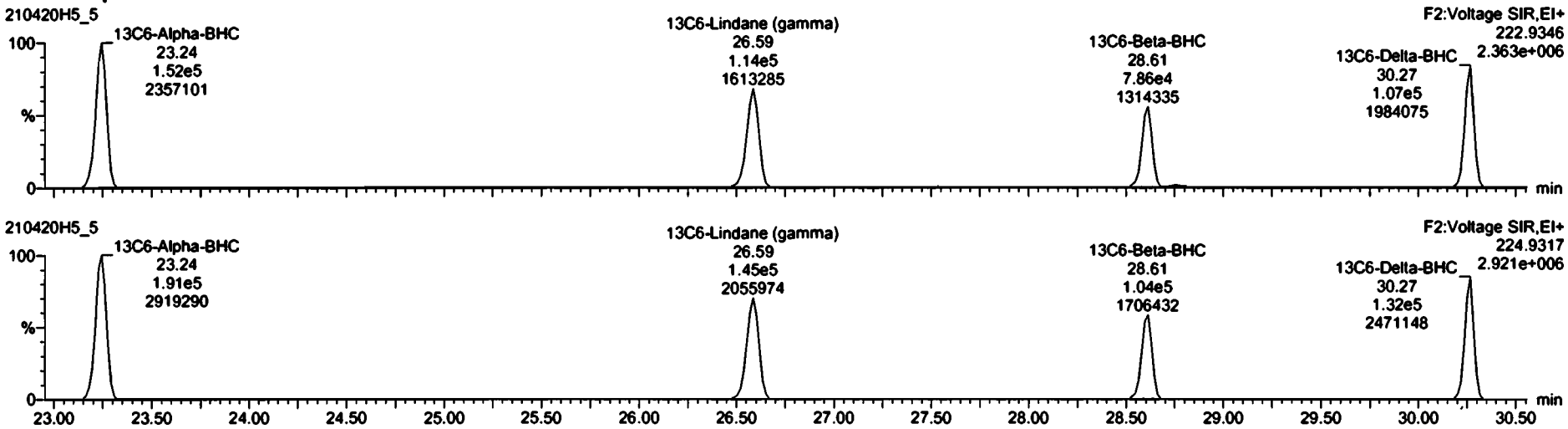
Name: 210420H5_5, Date: 20-Apr-2021, Time: 21:27:08, ID: ST210420H5_5 1699 CS5 21D0903, Description: 1699 CS5 21D0903

BHC Totals



BHC-isotopes



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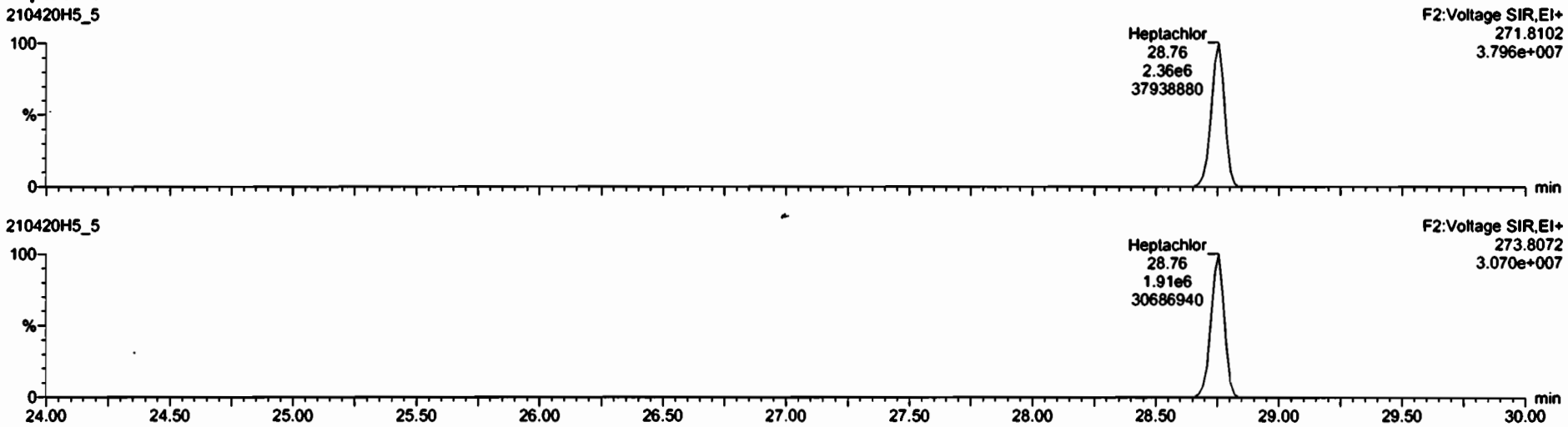
Name: 210420H5_5, Date: 20-Apr-2021, Time: 21:27:08, ID: ST210420H5_5 1699 CS5 21D0903, Description: 1699 CS5 21D0903

Heptachlor



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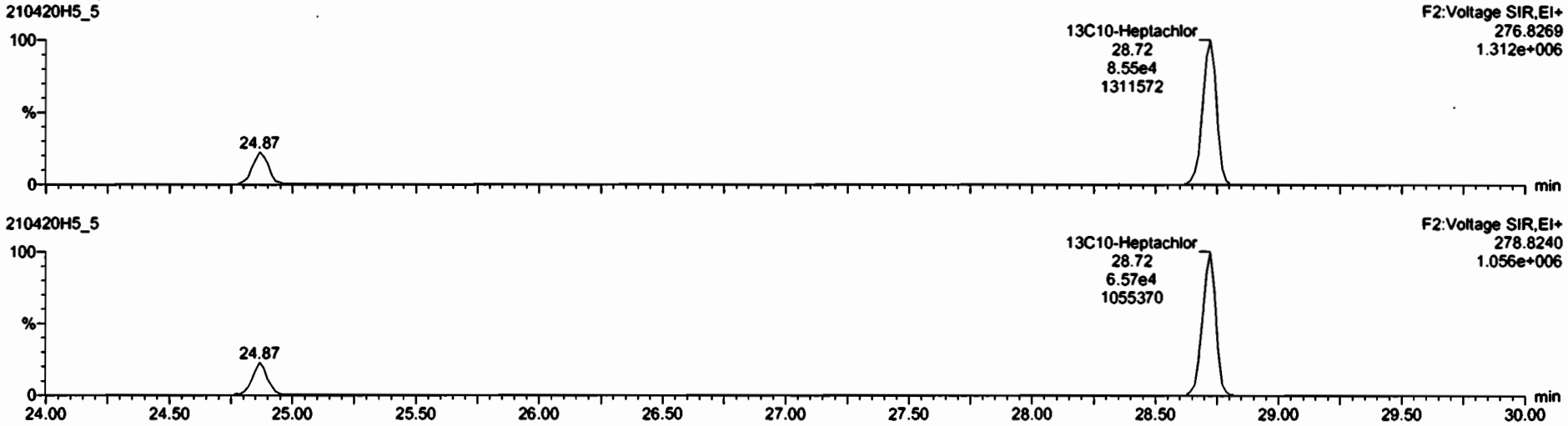

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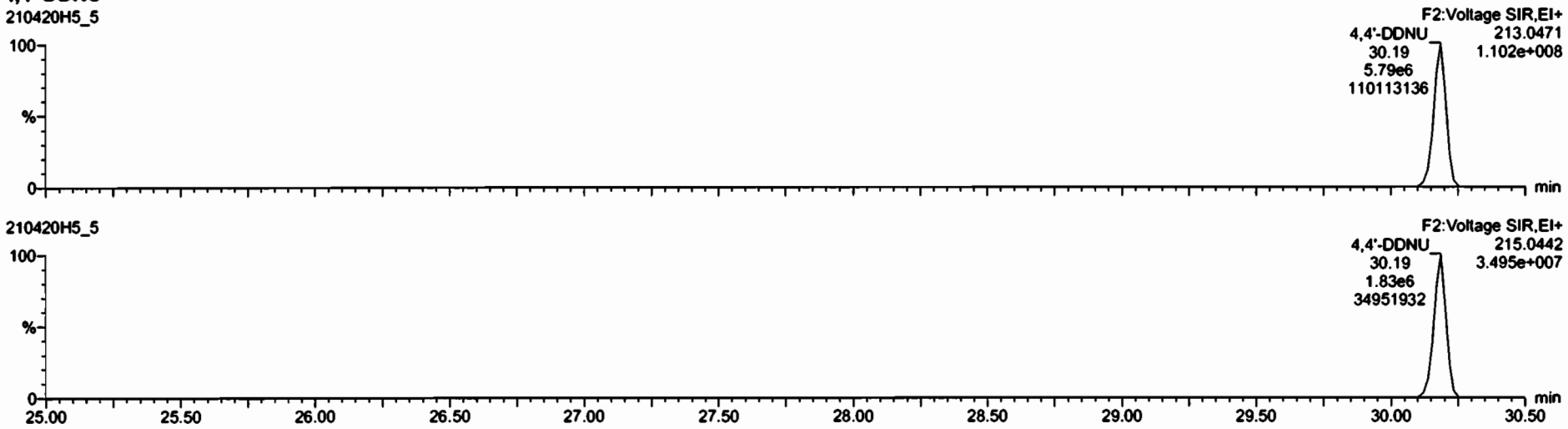
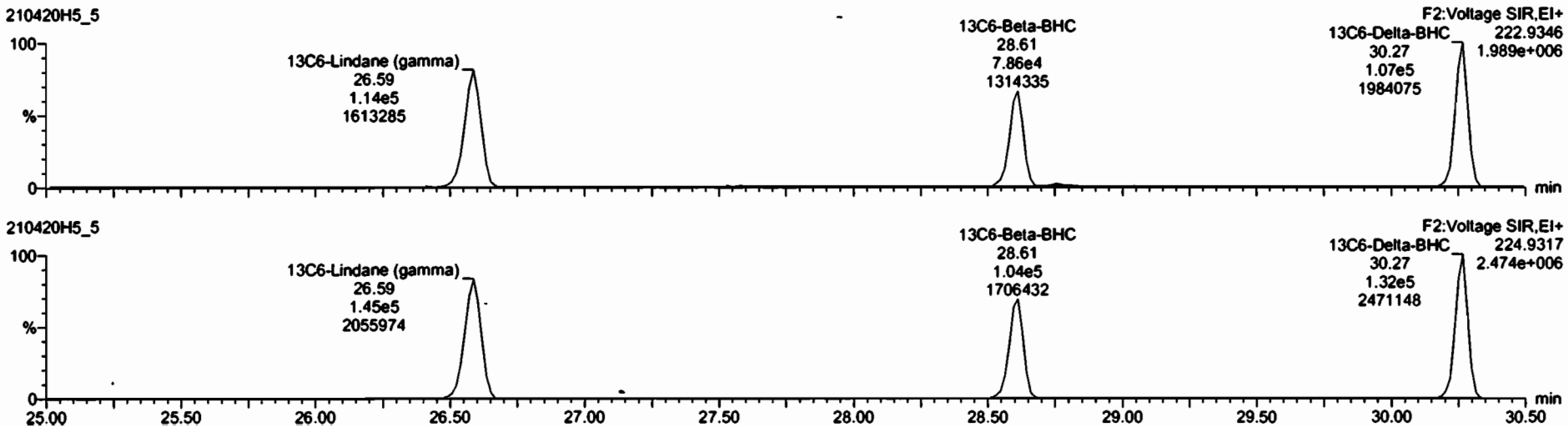
Name: 210420H5_5, Date: 20-Apr-2021, Time: 21:27:08, ID: ST210420H5_5 1699 CS5 21D0903, Description: 1699 CS5 21D0903

4,4'-DDNU



13C6-Delta-BHC



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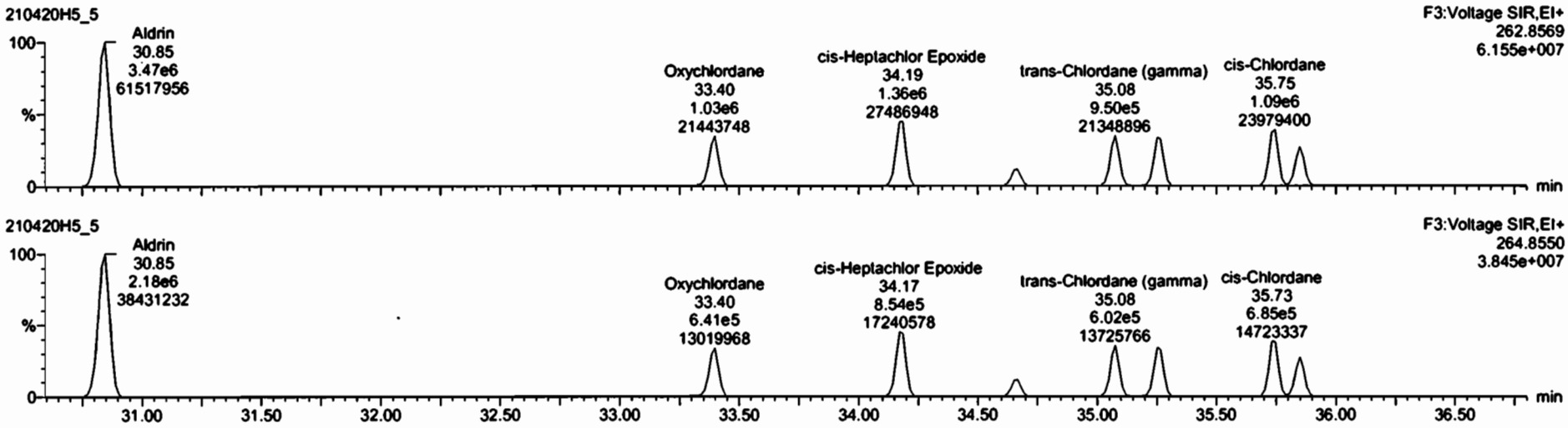
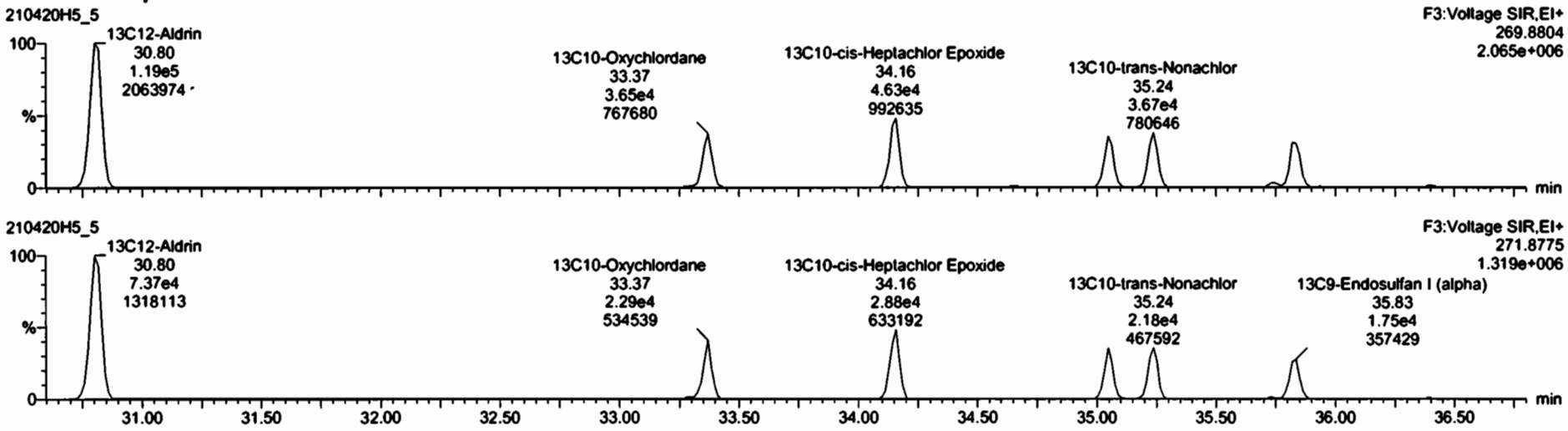
Name: 210420H5_5, Date: 20-Apr-2021, Time: 21:27:08, ID: ST210420H5_5 1699 CS5 21D0903, Description: 1699 CS5 21D0903

Aldrin-EI



Aldrin-EI-isotopes



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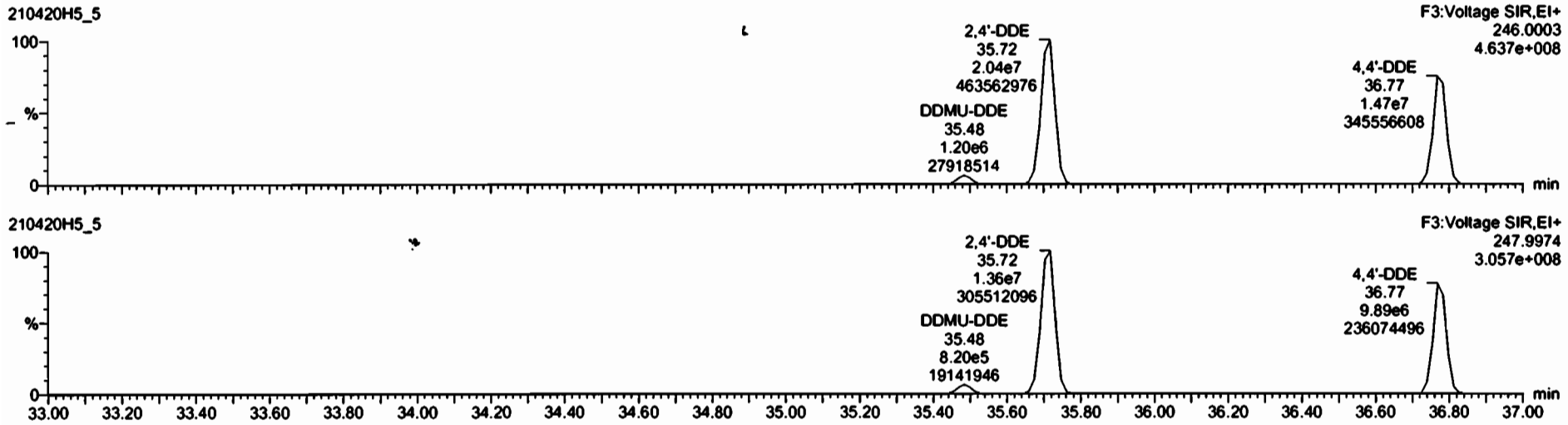
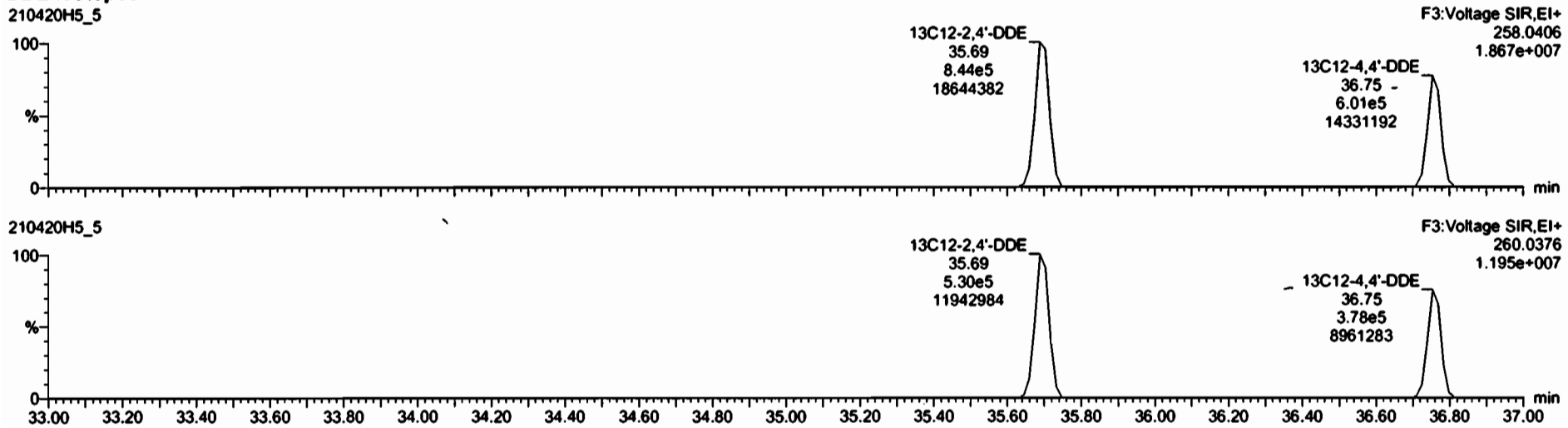
Name: 210420H5_5, Date: 20-Apr-2021, Time: 21:27:08, ID: ST210420H5_5 1699 CS5 21D0903, Description: 1699 CS5 21D0903

DDMU-DDE



DDE-Isotopes



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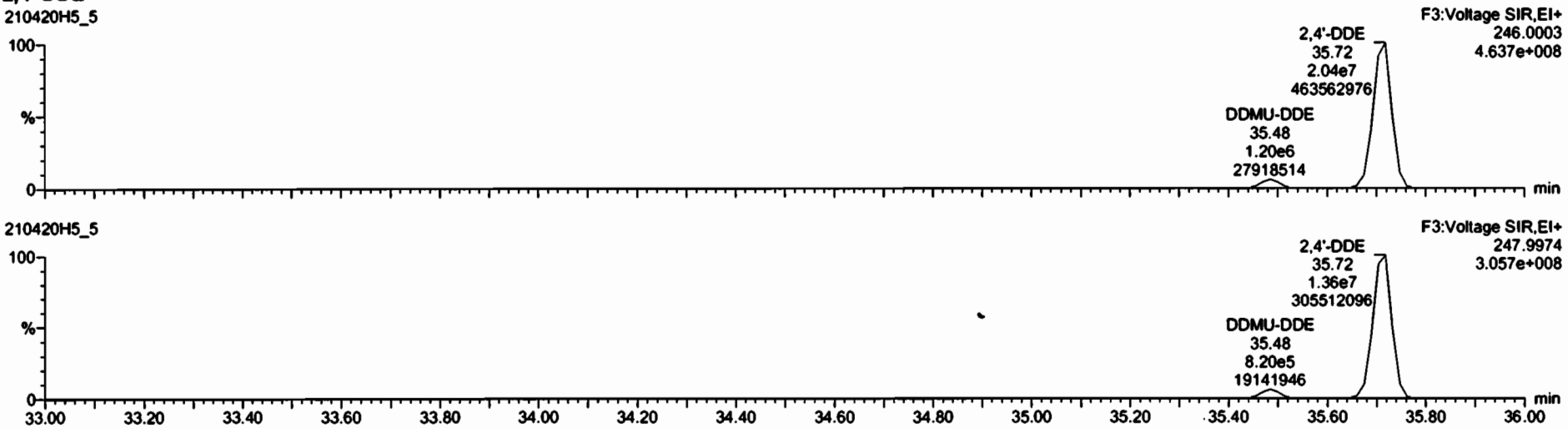
Name: 210420H5_5, Date: 20-Apr-2021, Time: 21:27:08, ID: ST210420H5_5 1699 CS5 21D0903, Description: 1699 CS5 21D0903

2,4'-DDE



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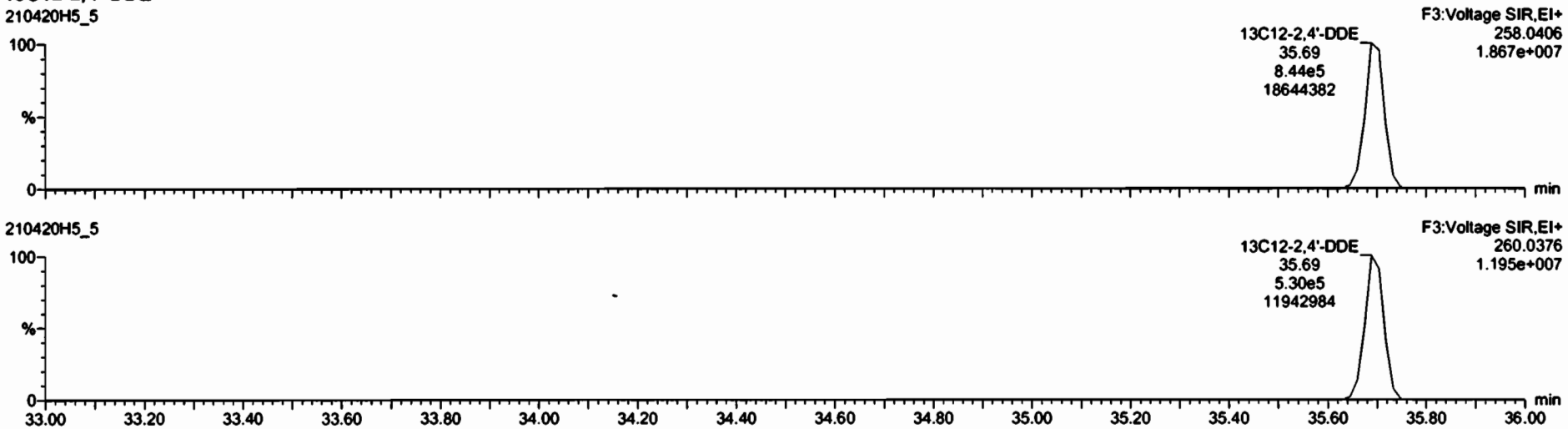

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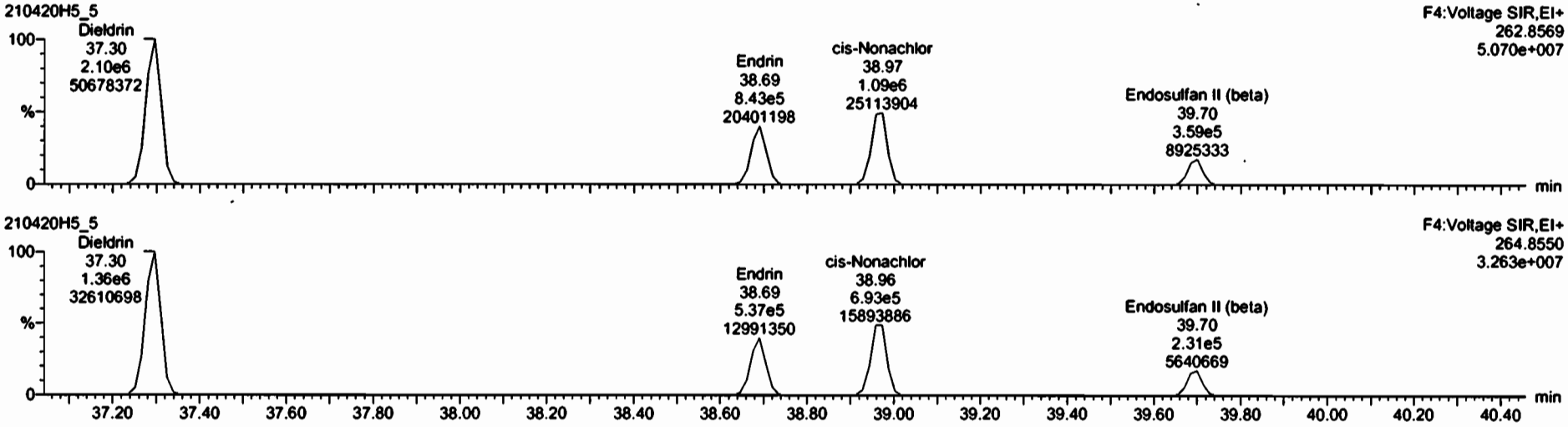
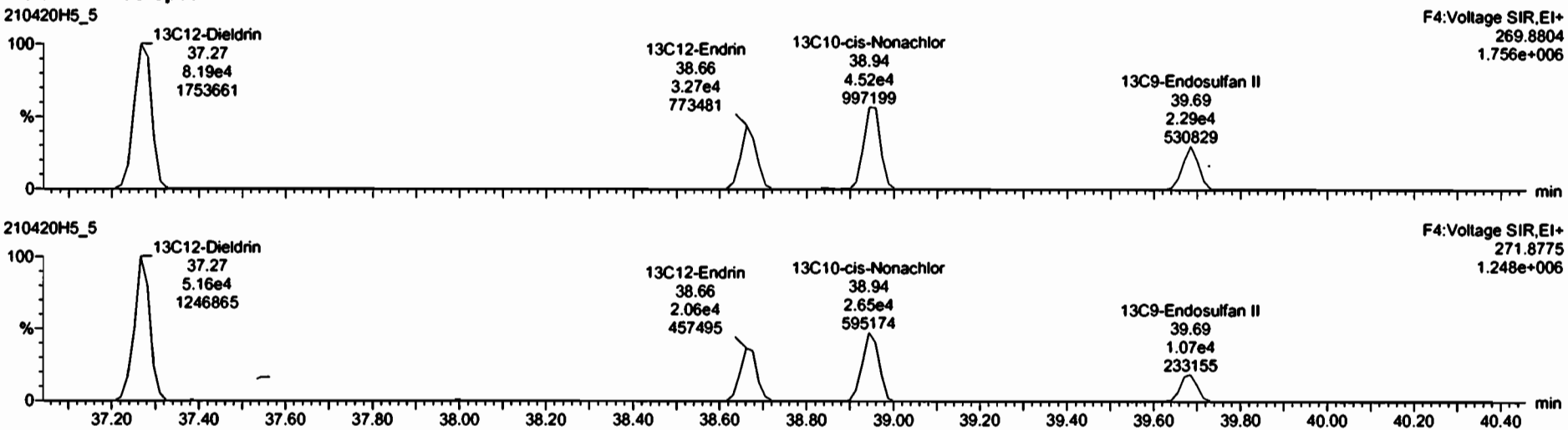
Dieldrin-EII



Dieldrin-EII-isotopes



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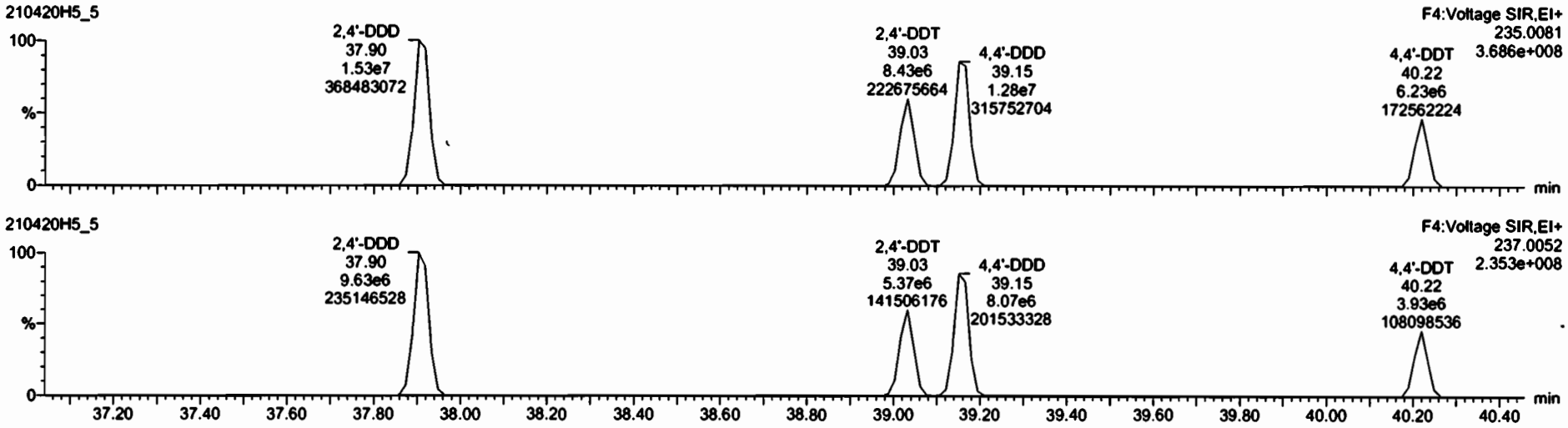
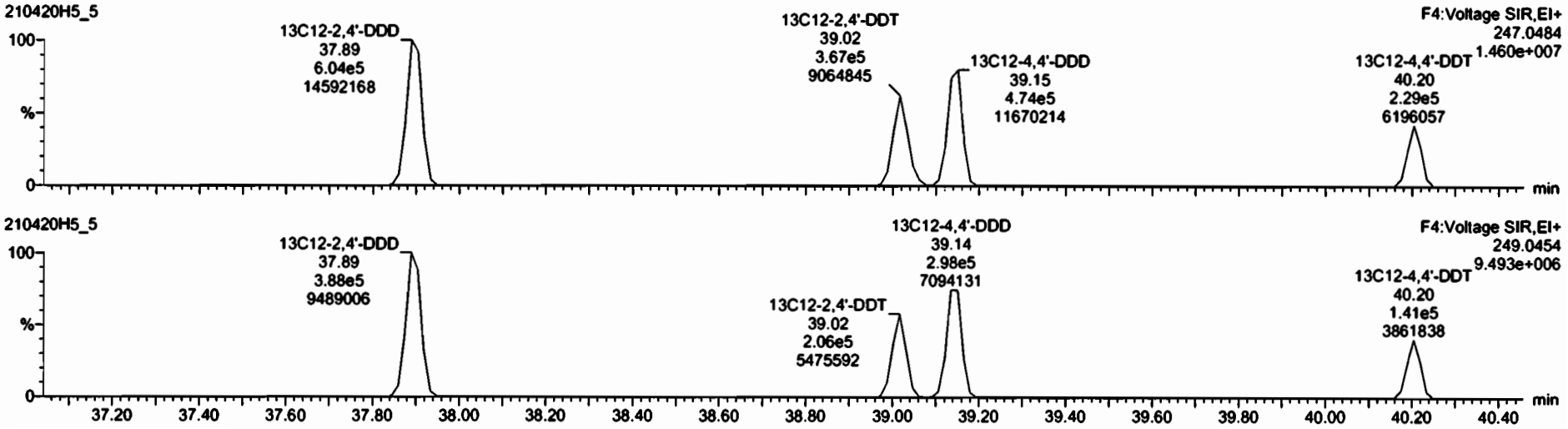
Name: 210420H5_5, Date: 20-Apr-2021, Time: 21:27:08, ID: ST210420H5_5 1699 CS5 21D0903, Description: 1699 CS5 21D0903

DDD-DDT



DDD-DDT-isotopes



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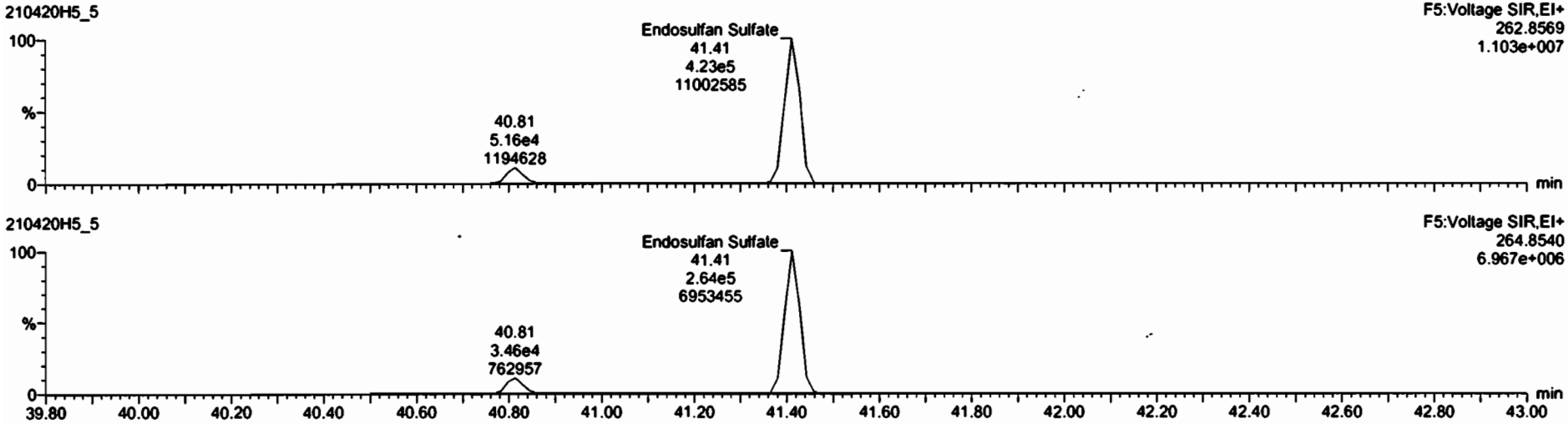
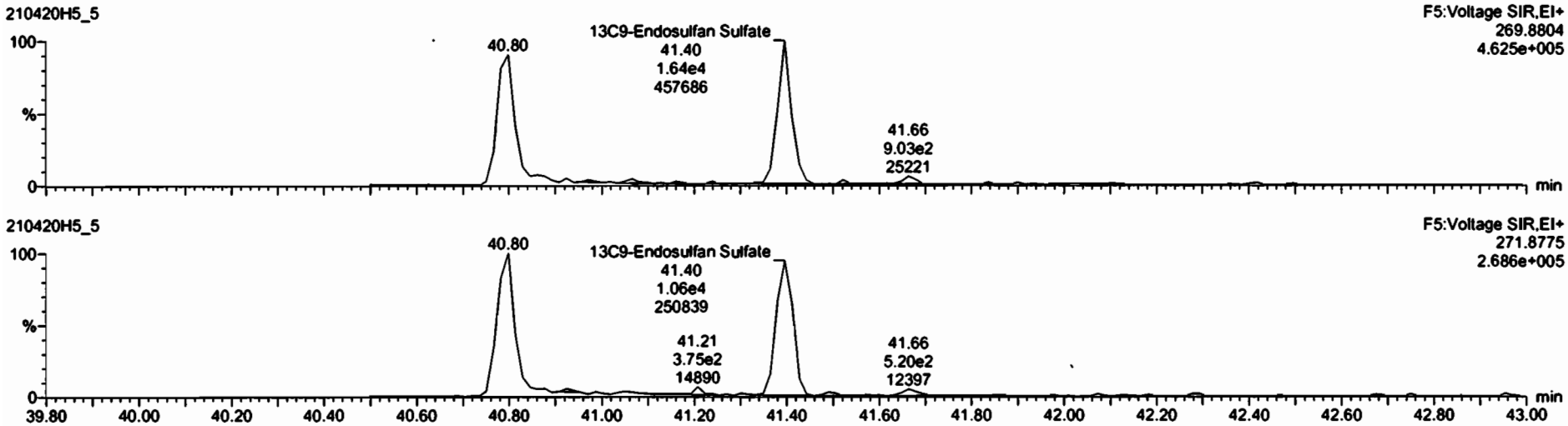
Name: 210420H5_5, Date: 20-Apr-2021, Time: 21:27:08, ID: ST210420H5_5 1699 CS5 21D0903, Description: 1699 CS5 21D0903

Endosulfan Sulfate



13C9-Endosulfan Sulfate



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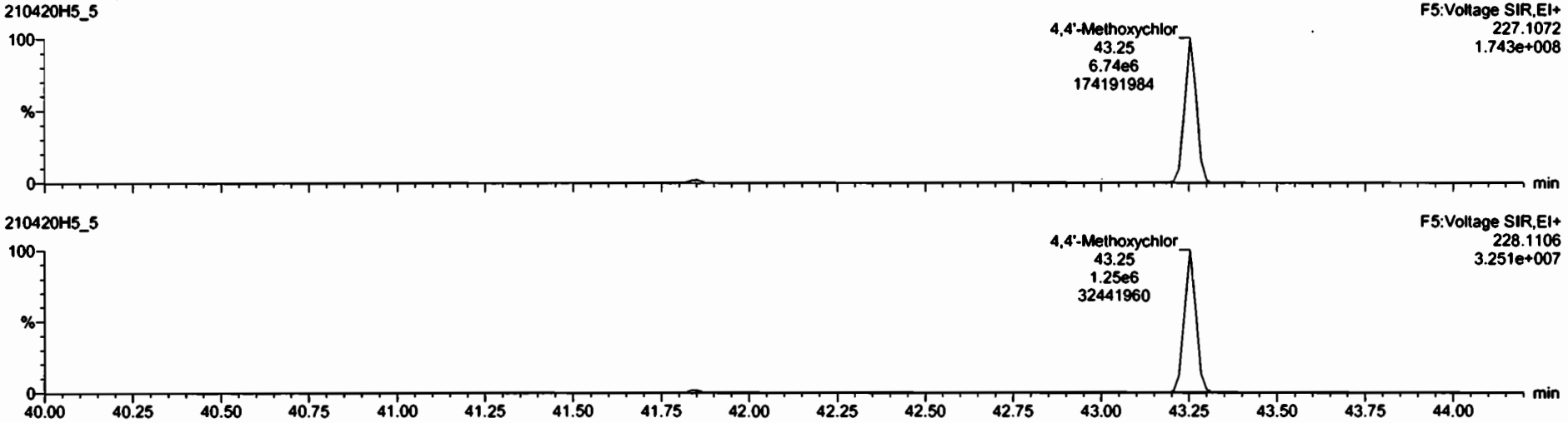
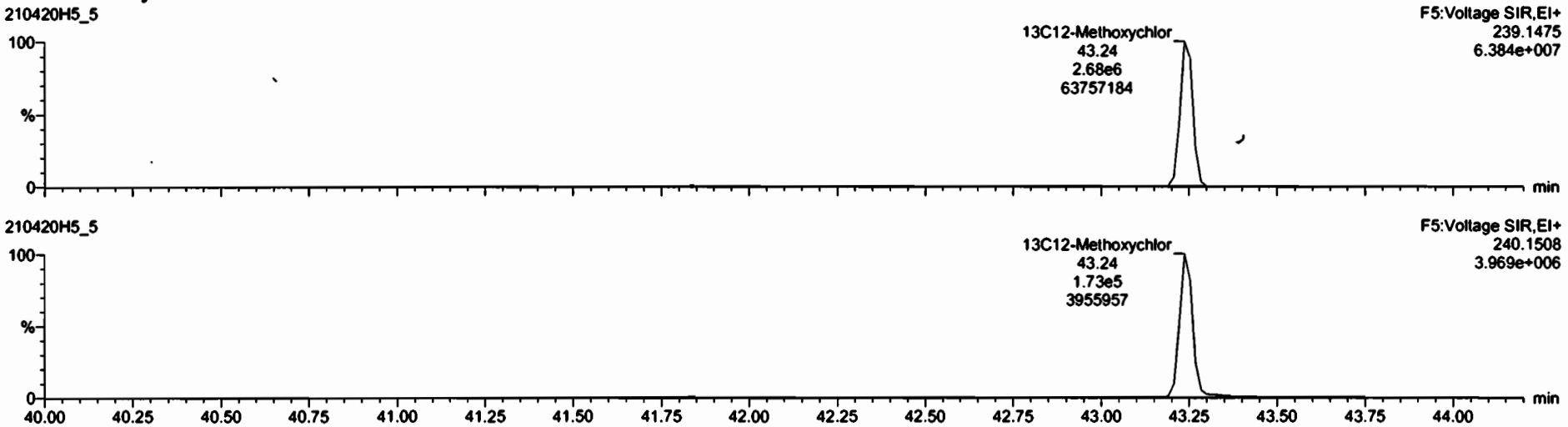
Name: 210420H5_5, Date: 20-Apr-2021, Time: 21:27:08, ID: ST210420H5_5 1699 CS5 21D0903, Description: 1699 CS5 21D0903

4,4'-Methoxychlor



13C12-Methoxychlor



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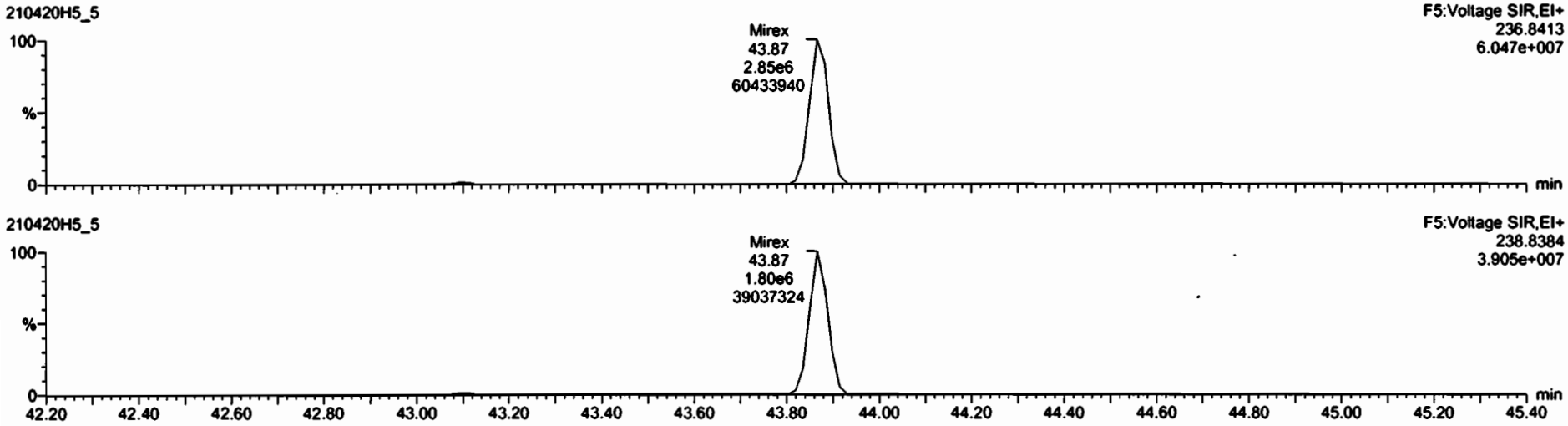
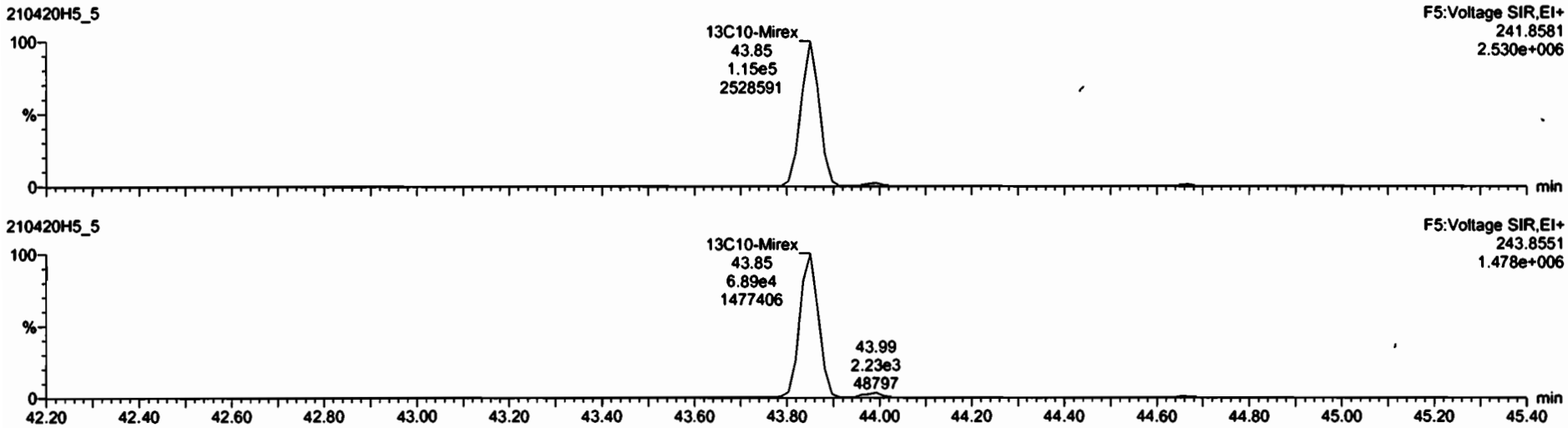
Name: 210420H5_5, Date: 20-Apr-2021, Time: 21:27:08, ID: ST210420H5_5 1699 CS5 21D0903, Description: 1699 CS5 21D0903

Mirex



13C10-Mirex



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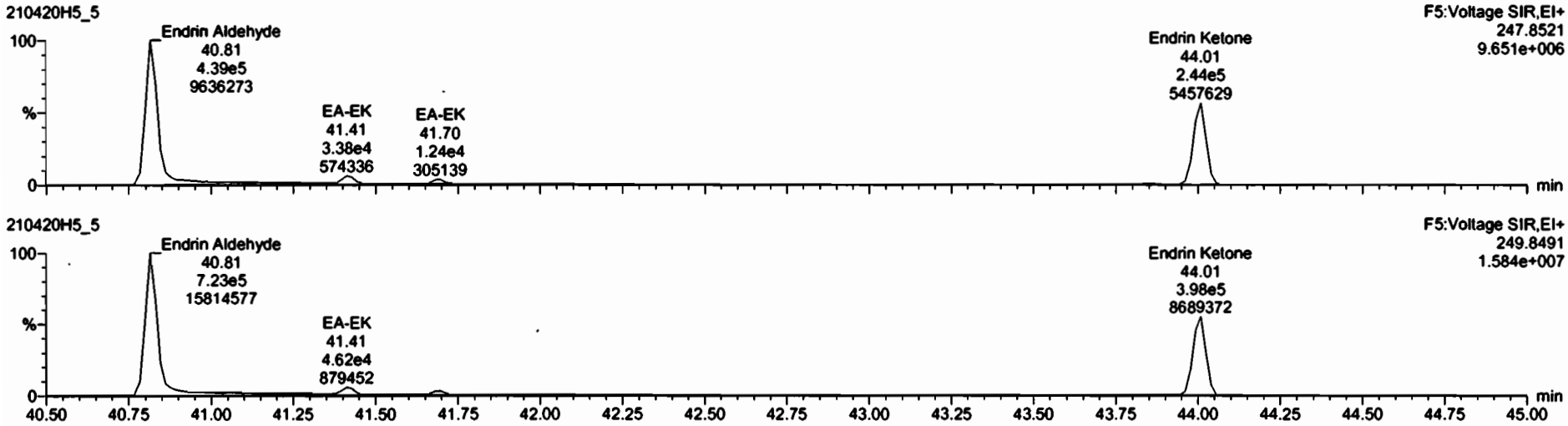
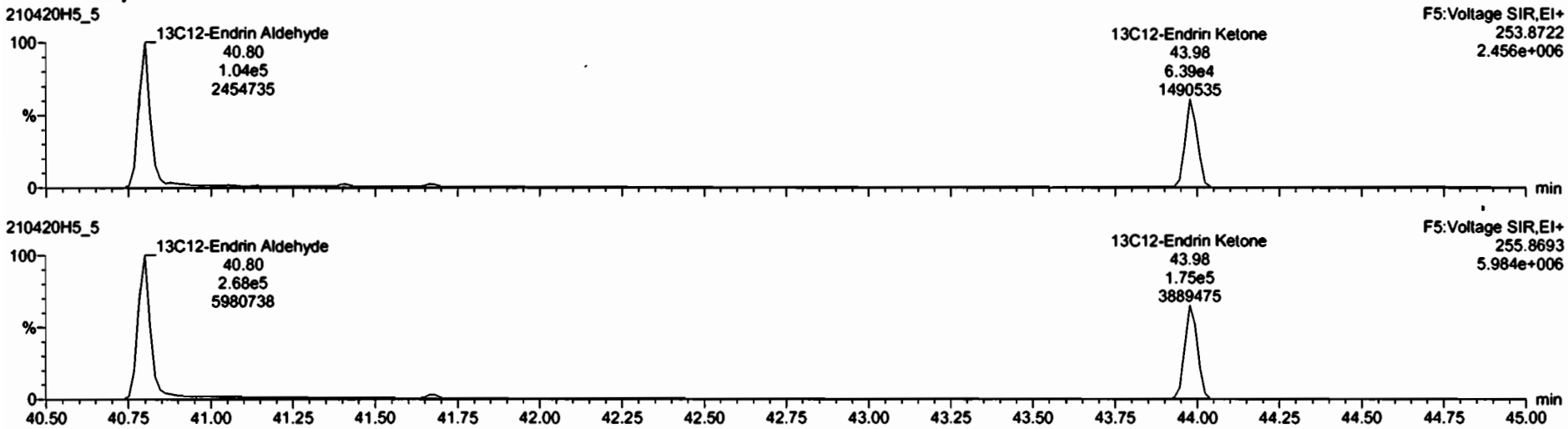
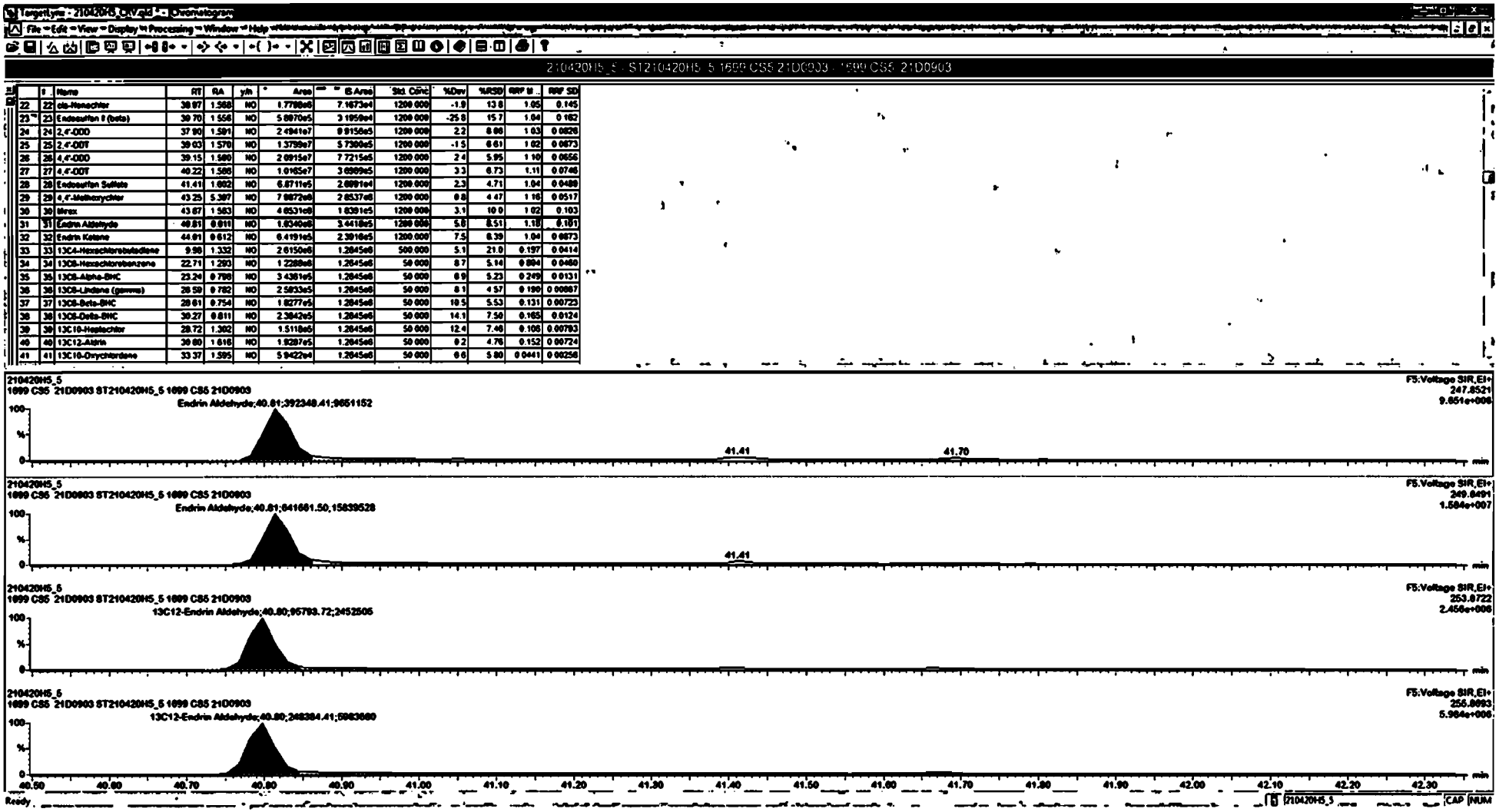
Name: 210420H5_5, Date: 20-Apr-2021, Time: 21:27:08, ID: ST210420H5_5 1699 CS5 21D0903, Description: 1699 CS5 21D0903

EA-EK



EA-EK-isotopes





	#	Name	RT	RA	y/n	Area	IS Area	Std. Conc	%Dev	%RSD	RRF R	RRF SD
22	22	cis-Nonachlor	38.97	1.568	NO	1.7788e6	7.1673e4	1200.000	-1.9	13.8	1.05	0.145
23	23	Endosulfan II (beta)	39.70	1.556	NO	5.8870e5	3.1959e4	1200.000	-25.8	15.7	1.04	0.162
24	24	2,4'-DDD	37.90	1.591	NO	2.4941e7	9.9156e5	1200.000	2.2	8.66	1.03	0.0826
25	25	2,4'-DDT	39.03	1.578	NO	1.3799e7	5.7390e5	1200.000	-1.5	8.61	1.02	0.0873
26	26	4,4'-DDD	39.15	1.580	NO	2.0915e7	7.7215e5	1200.000	2.4	5.95	1.10	0.0656
27	27	4,4'-DDT	40.22	1.566	NO	1.0165e7	3.6909e5	1200.000	3.3	6.73	1.11	0.0746
28	28	Endosulfan Sulfate	41.41	1.602	NO	6.8711e5	2.8891e4	1200.000	2.3	4.71	1.04	0.0488
29	29	4,4'-Methoxychlor	43.25	5.397	NO	7.9872e6	2.8537e5	1200.000	0.8	4.47	1.16	0.0517
30	30	Mirex	43.67	1.563	NO	4.6531e6	1.6391e5	1200.000	3.1	10.0	1.02	0.103
31	31	Endrin Aldehyde	40.81	0.811	NO	1.6340e6	3.4418e5	1200.000	5.8	8.51	1.15	0.101
32	32	Endrin Ketone	44.91	0.612	NO	6.4191e5	2.3916e5	1200.000	7.5	6.39	1.04	0.0673
33	33	13C4-Hexachlorobutadiene	9.98	1.332	NO	2.6150e6	1.2845e6	500.000	5.1	21.0	0.197	0.0414
34	34	13C6-Hexachlorobenzene	22.71	1.293	NO	1.2288e6	1.2845e6	50.000	8.7	5.14	0.894	0.0460
35	35	13C6-Alpha-BHC	23.24	0.798	NO	5.4361e5	1.2845e6	50.000	6.9	5.23	0.249	0.0131
36	36	13C6-Lindane (gamma)	26.59	0.782	NO	2.5833e5	1.2845e6	50.000	8.1	4.57	0.100	0.00667
37	37	13C6-Beta-BHC	28.61	0.754	NO	1.8277e5	1.2845e6	50.000	10.5	5.53	0.131	0.00723
38	38	13C6-Delta-BHC	30.27	0.811	NO	2.3842e5	1.2845e6	50.000	14.1	7.56	0.165	0.0124
39	39	13C10-Heptachlor	28.72	1.302	NO	1.5118e6	1.2845e6	50.000	12.4	7.46	0.106	0.00793
40	40	13C12-Aldrin	30.80	1.618	NO	1.9287e5	1.2845e6	50.000	0.2	4.76	0.152	0.00724
41	41	13C10-Oxychlordane	33.37	1.595	NO	5.9422e4	1.2845e6	50.000	0.6	5.80	0.0441	0.00256

Dataset: Untitled

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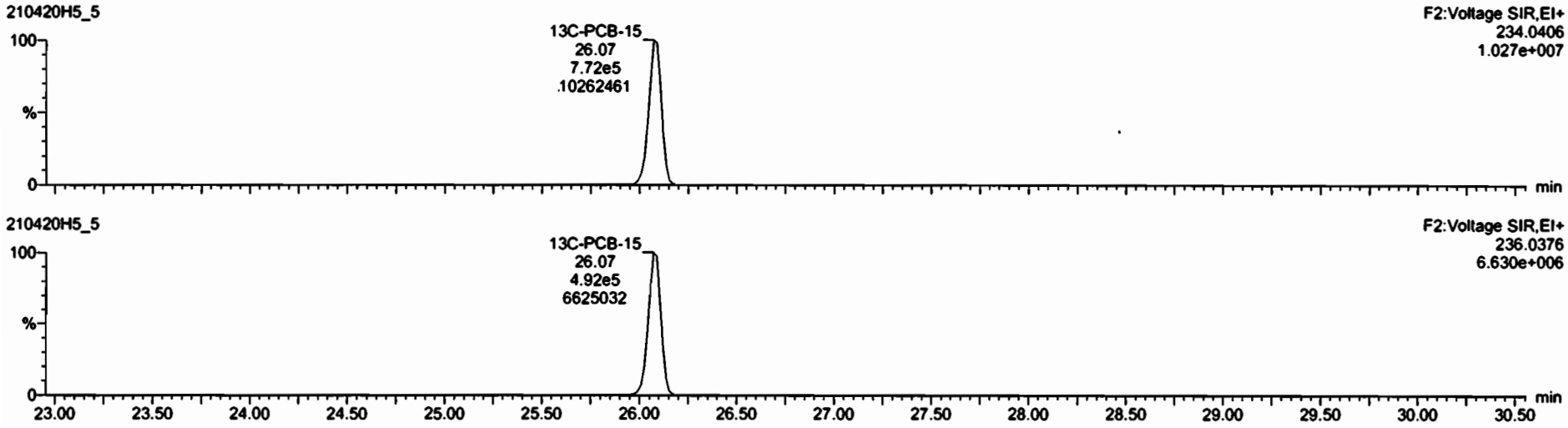
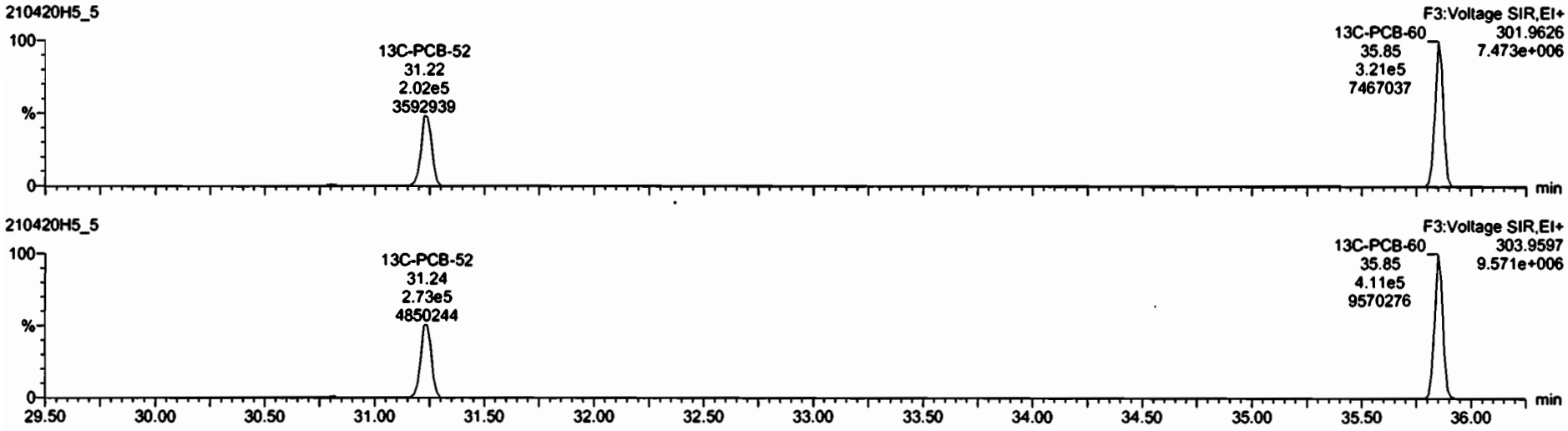
Name: 210420H5_5, Date: 20-Apr-2021, Time: 21:27:08, ID: ST210420H5_5 1699 CS5 21D0903, Description: 1699 CS5 21D0903

13C-PCB-15



13C-PCB-60



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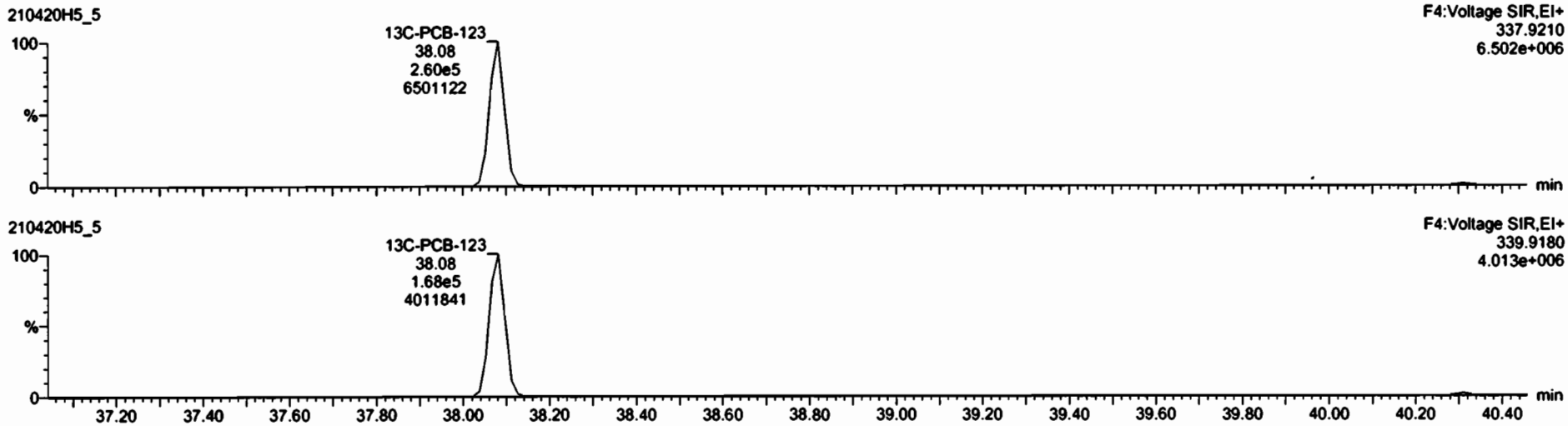
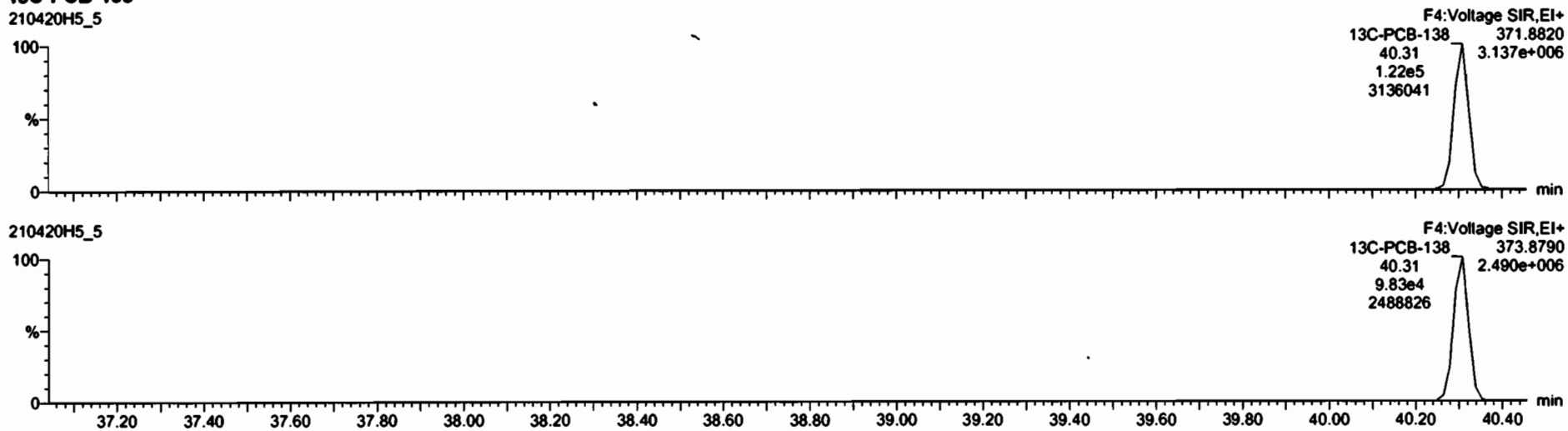
13C-PCB-123



13C-PCB-138



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Last Altered: Wednesday, April 21, 2021 10:40:25 Pacific Daylight Time
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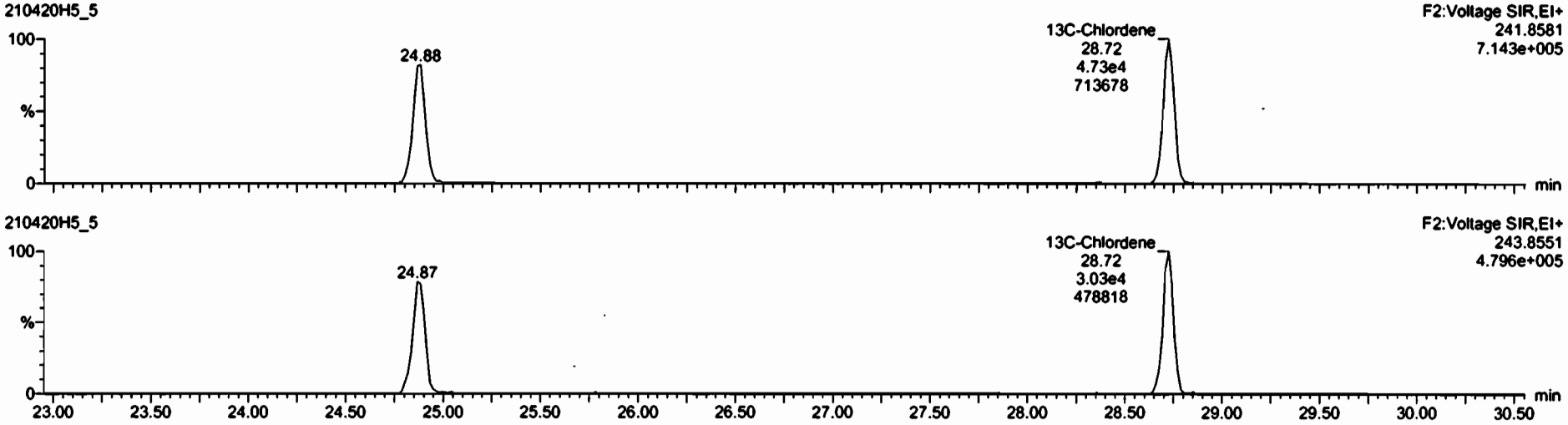
Name: 210420H5_5, Date: 20-Apr-2021, Time: 21:27:08, ID: ST210420H5_5 1699 CS5 21D0903, Description: 1699 CS5 21D0903

13C-Chlordene



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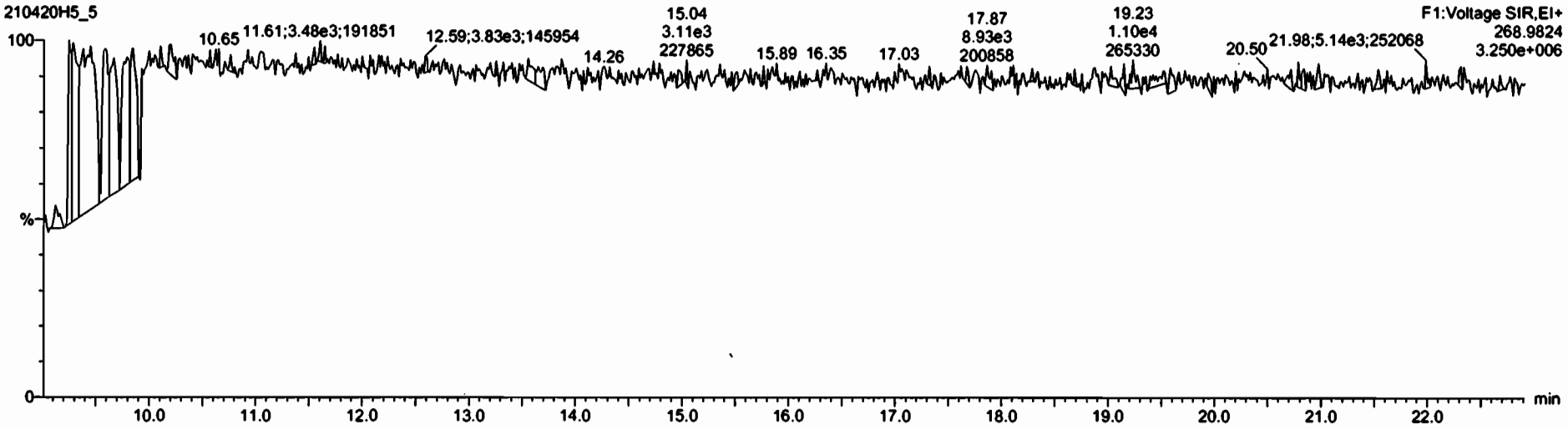

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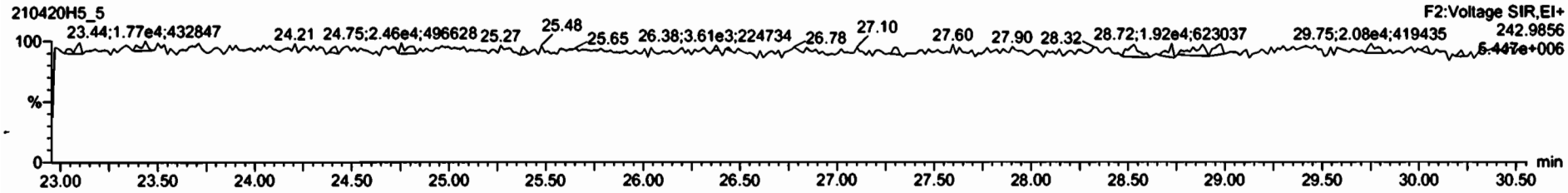
PFK2



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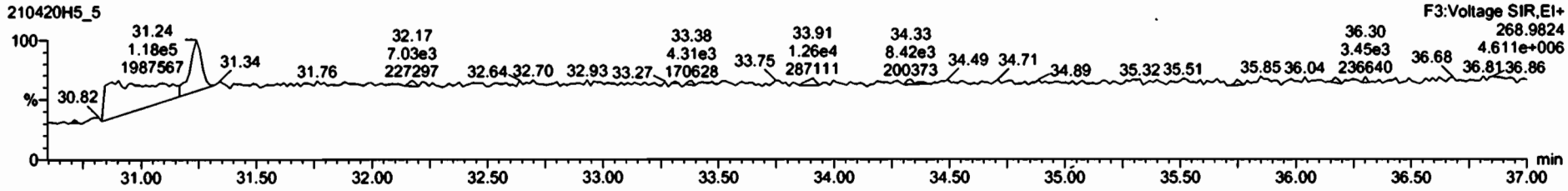
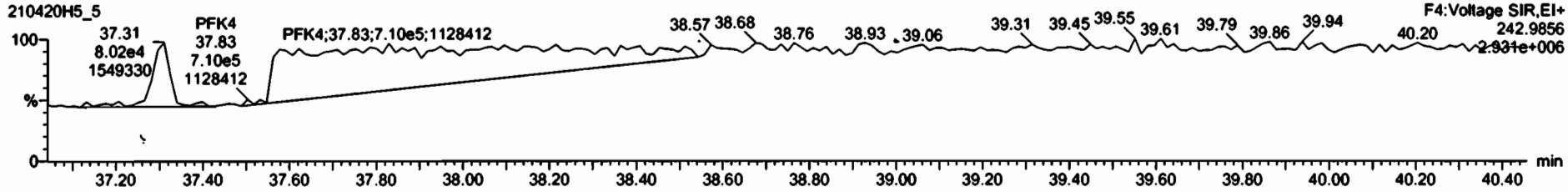
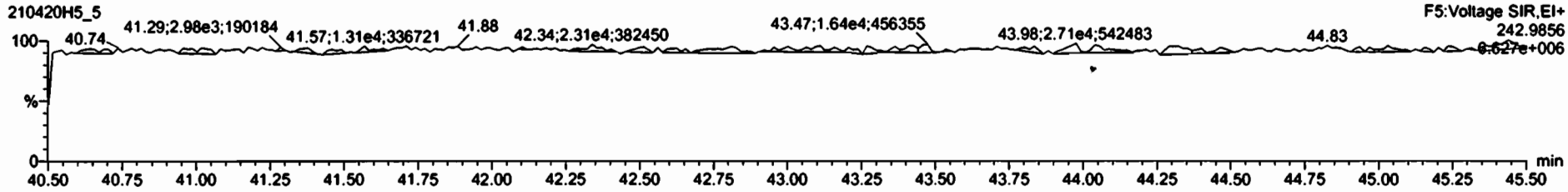


PFK4



PFK5



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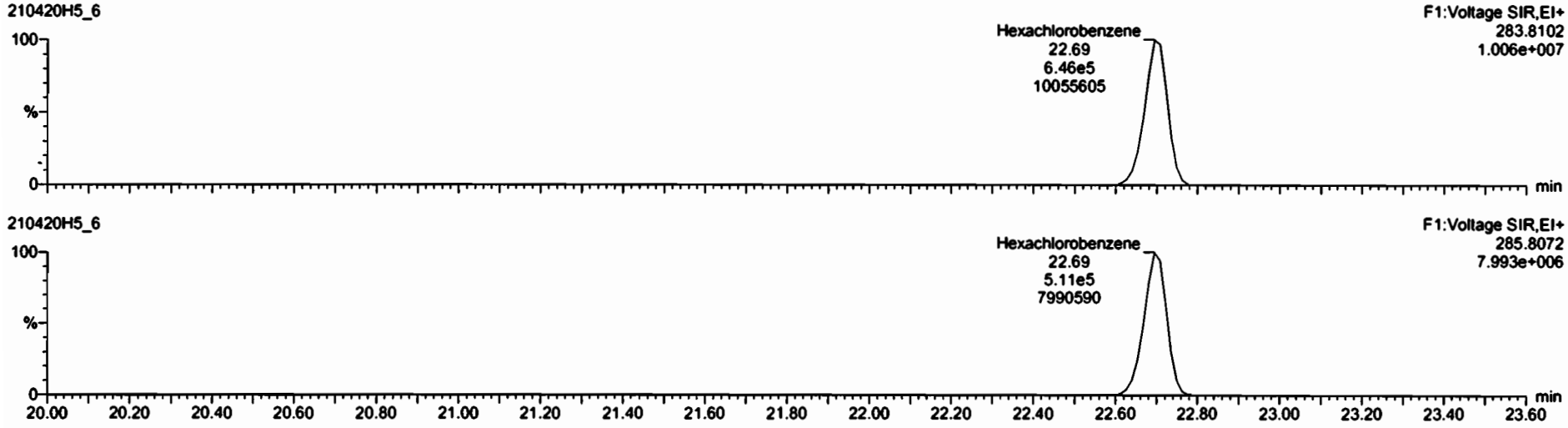
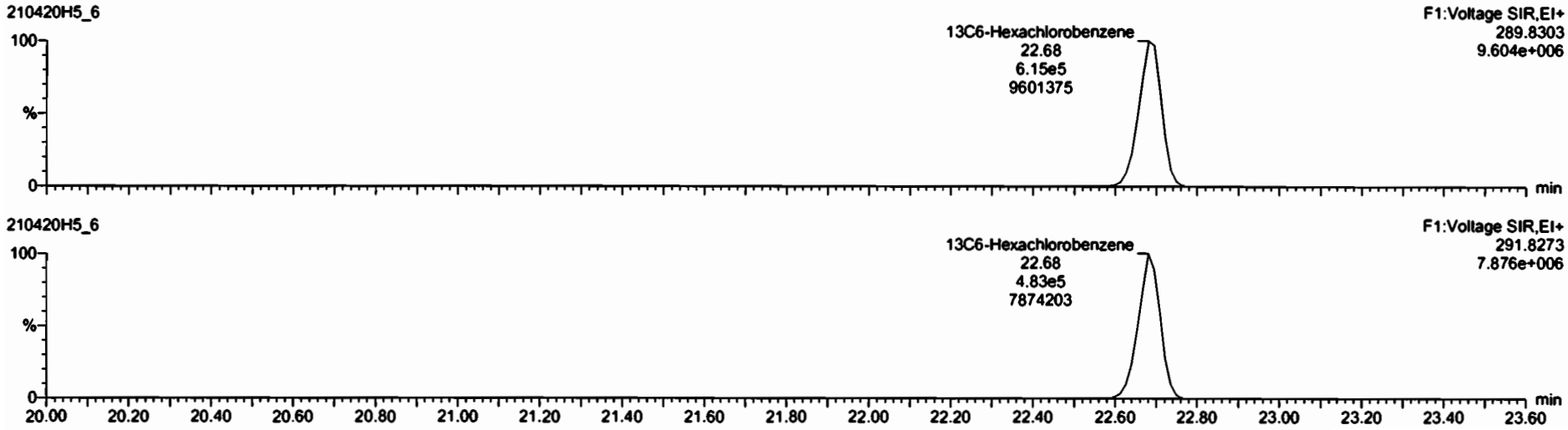
Last Altered: Wednesday, April 21, 2021 10:40:25 Pacific Daylight Time
Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

Name: 210420H5_6, Date: 20-Apr-2021, Time: 22:15:33, ID: ST210420H5_6 1699 CS3 21C0402, Description: 1699 CS3 21C0402

Hexachlorobenzene



13C6-Hexachlorobenzene



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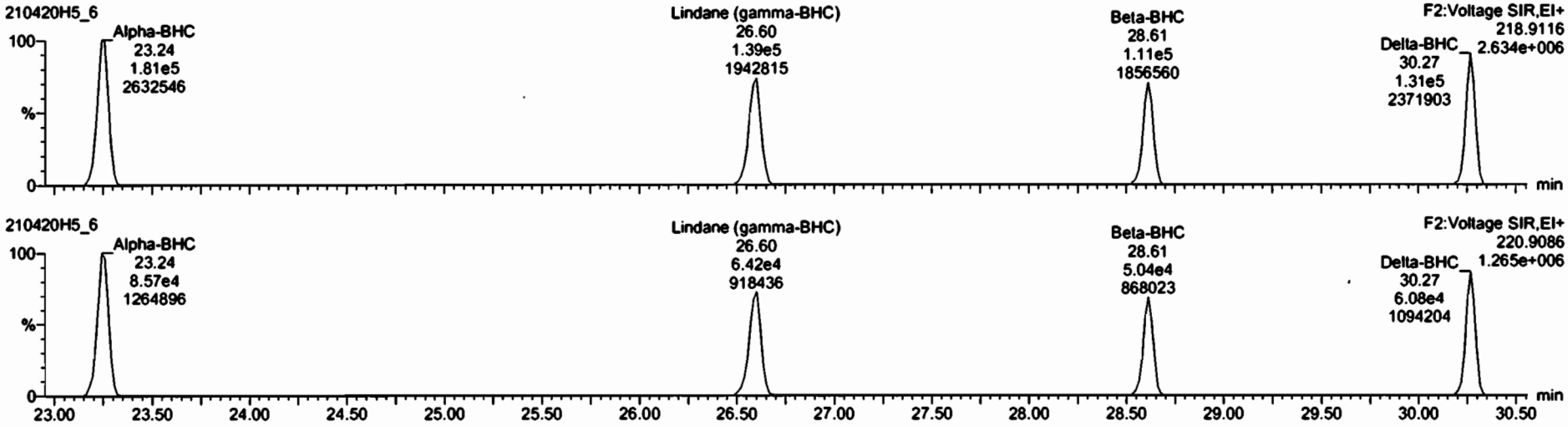
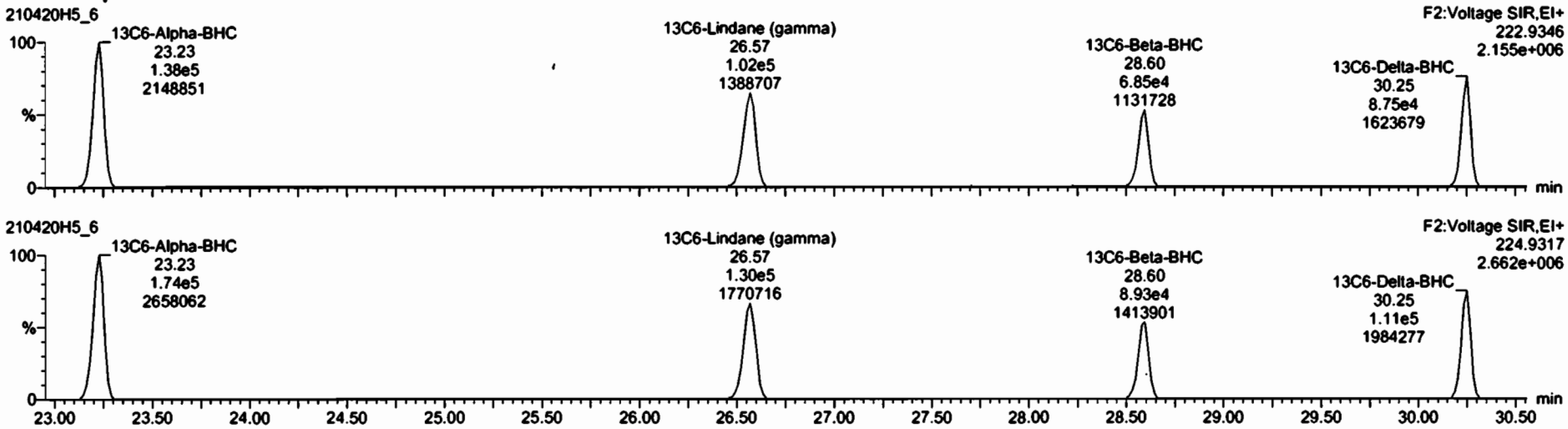
Name: 210420H5_6, Date: 20-Apr-2021, Time: 22:15:33, ID: ST210420H5_6 1699 CS3 21C0402, Description: 1699 CS3 21C0402

BHC Totals



BHC-Isotopes



Dataset: Untitled

Last Altered: Wednesday, April 21, 2021 10:40:25 Pacific Daylight Time
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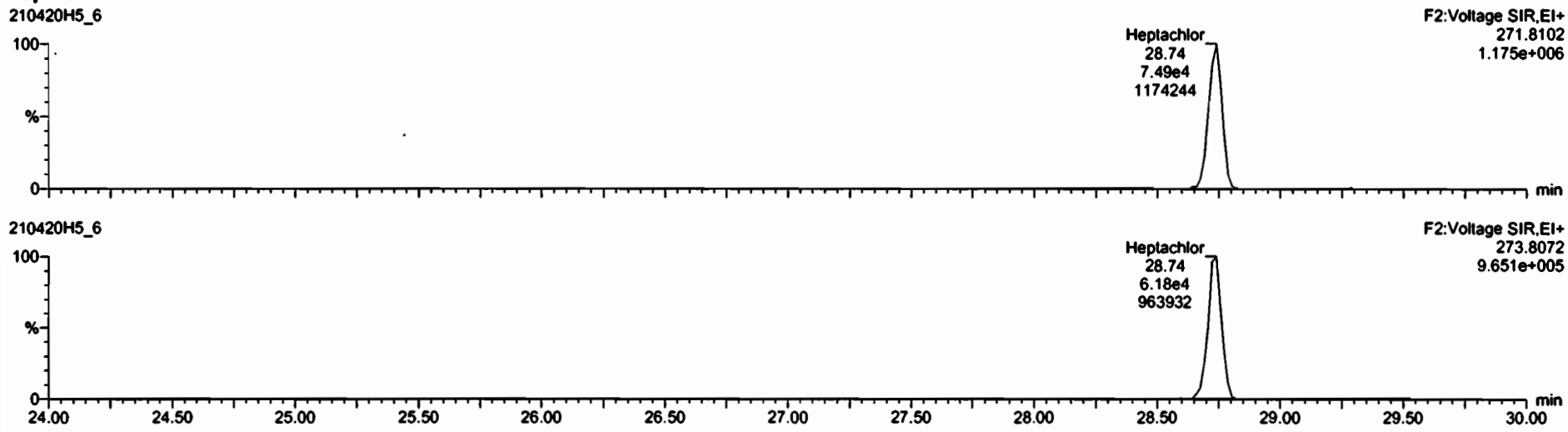
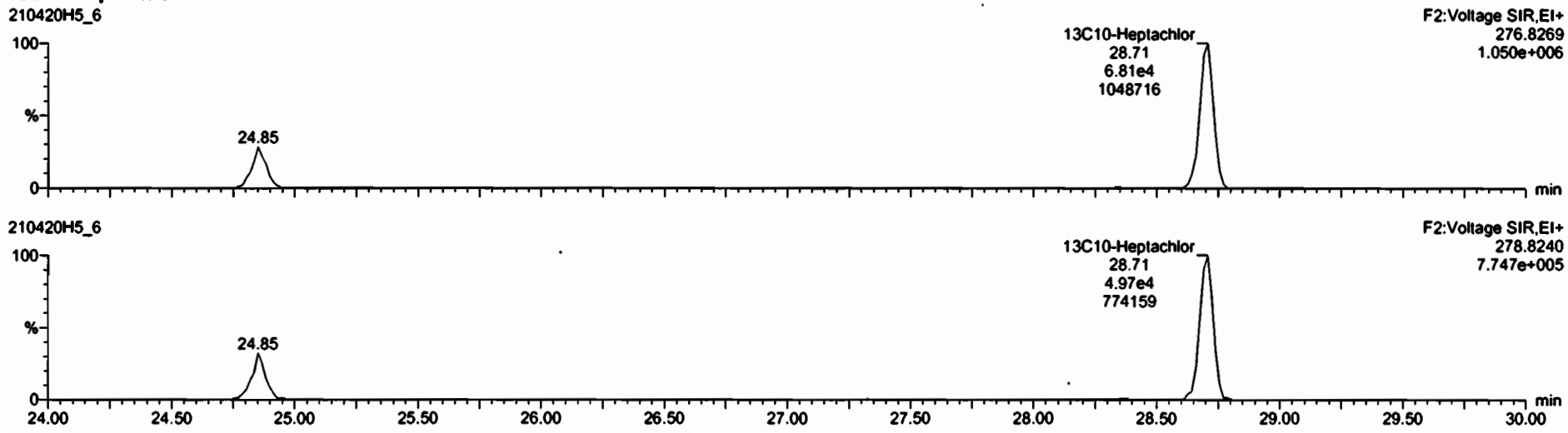
Name: 210420H5_6, Date: 20-Apr-2021, Time: 22:15:33, ID: ST210420H5_6 1699 CS3 21C0402, Description: 1699 CS3 21C0402

Heptachlor



13C10-Heptachlor



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Last Altered: Wednesday, April 21, 2021 10:40:25 Pacific Daylight Time
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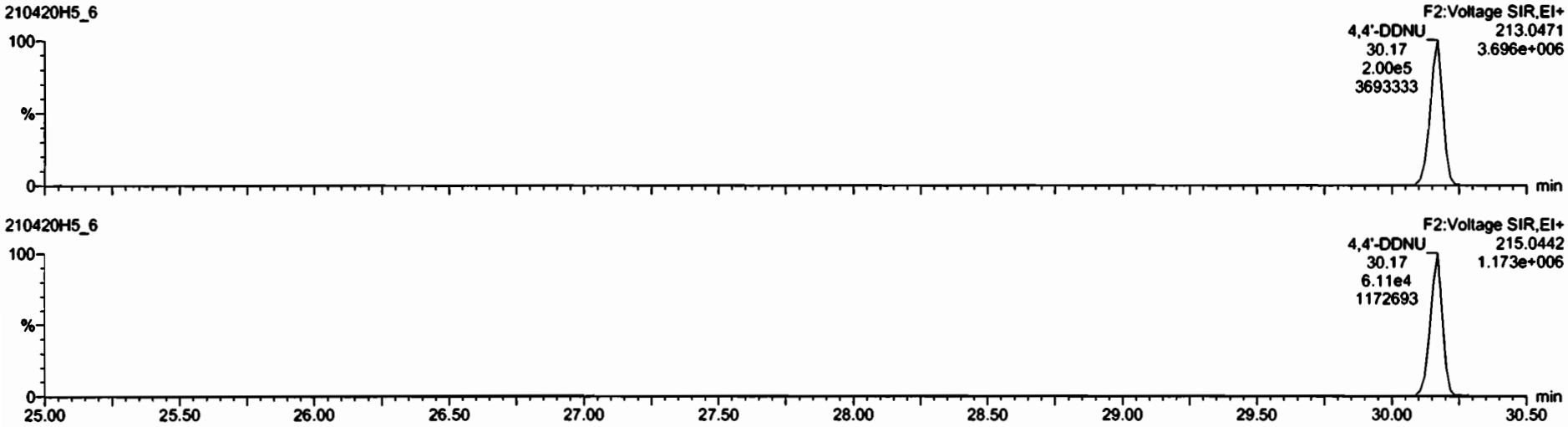
Name: 210420H5_6, Date: 20-Apr-2021, Time: 22:15:33, ID: ST210420H5_6 1699 CS3 21C0402, Description: 1699 CS3 21C0402

4,4'-DDNU



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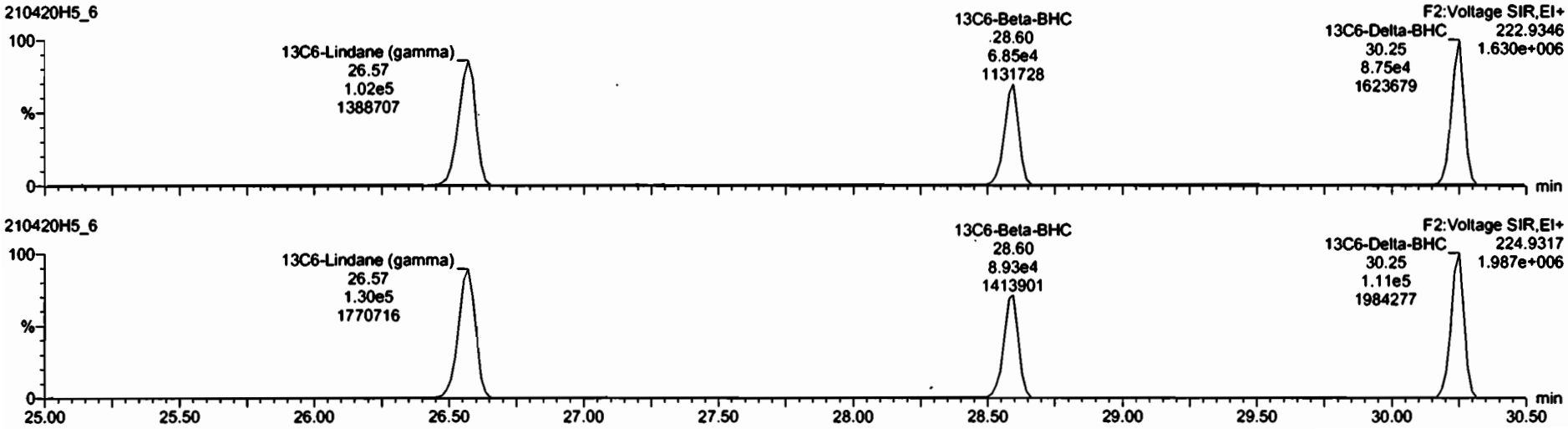

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Last Altered: Wednesday, April 21, 2021 10:40:25 Pacific Daylight Time
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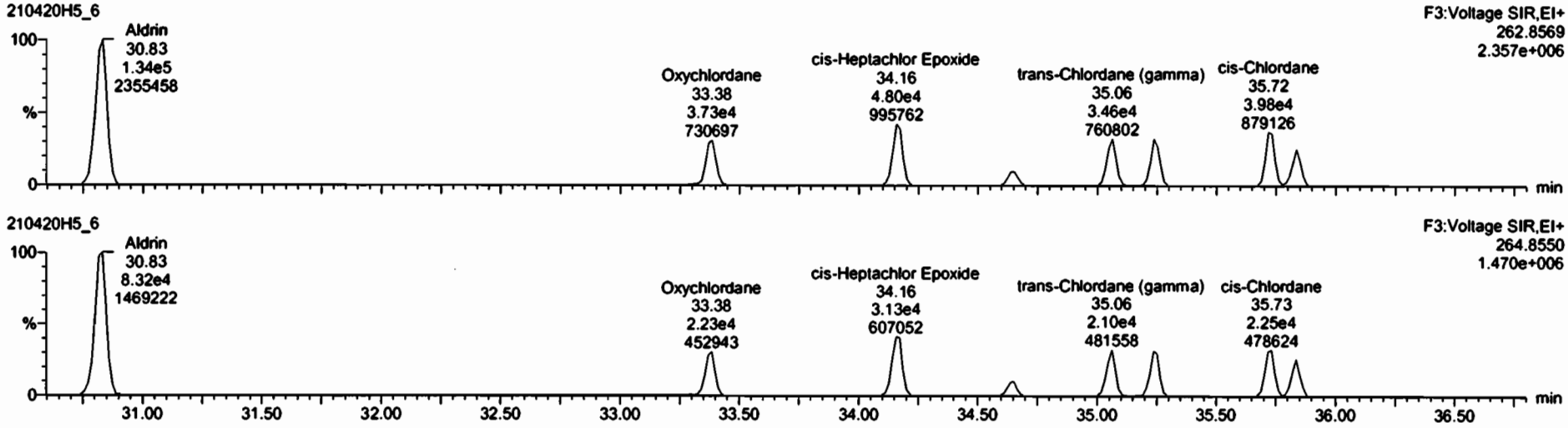
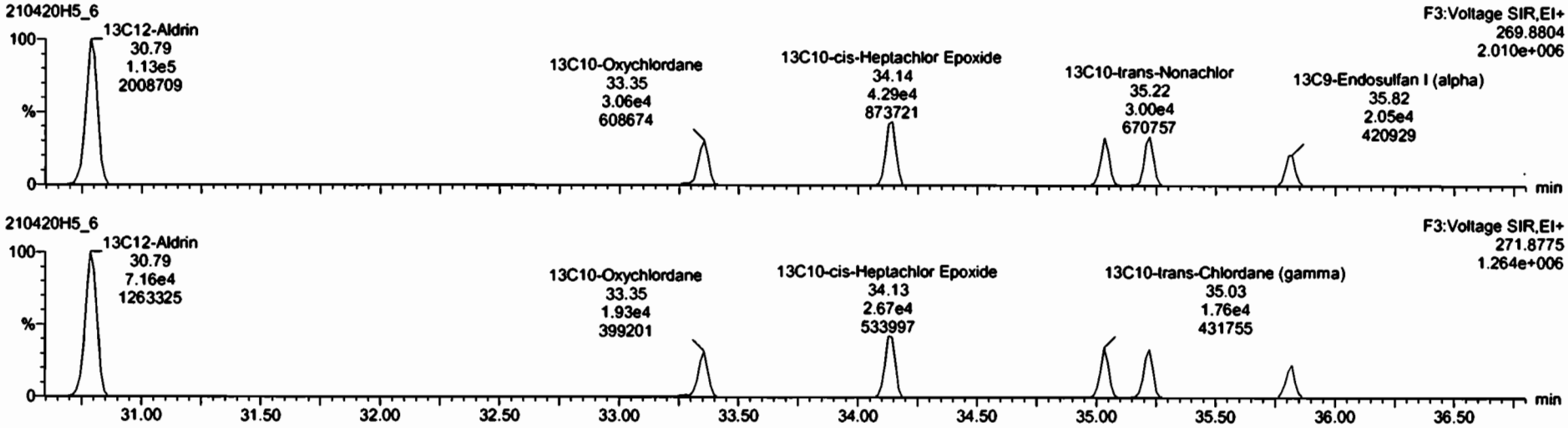
Name: 210420H5_6, Date: 20-Apr-2021, Time: 22:15:33, ID: ST210420H5_6 1699 CS3 21C0402, Description: 1699 CS3 21C0402

Aldrin-El



Aldrin-El-isotopes



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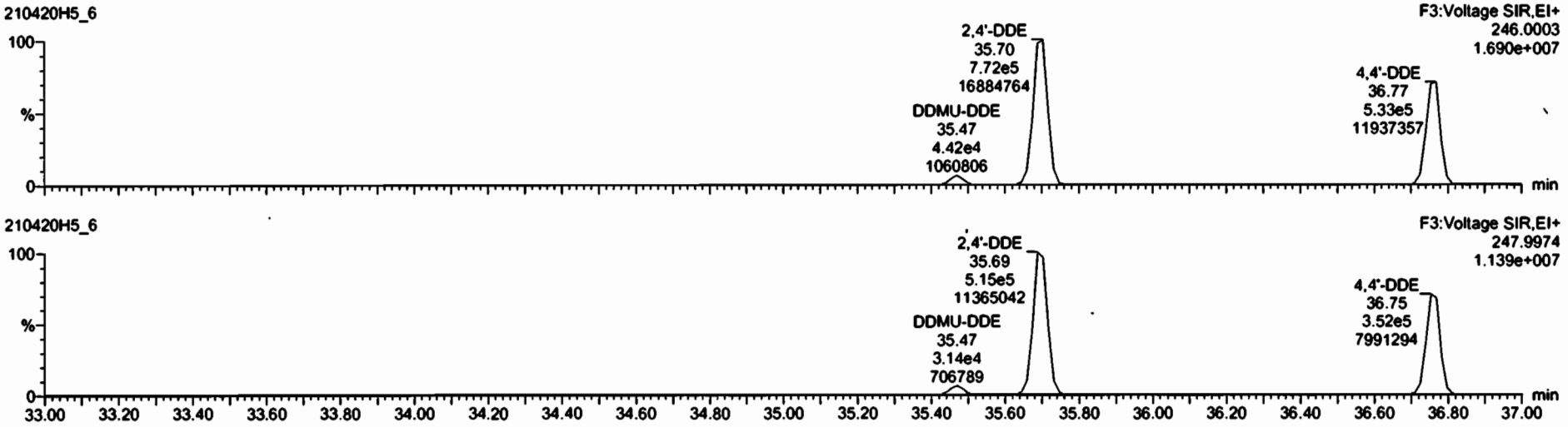
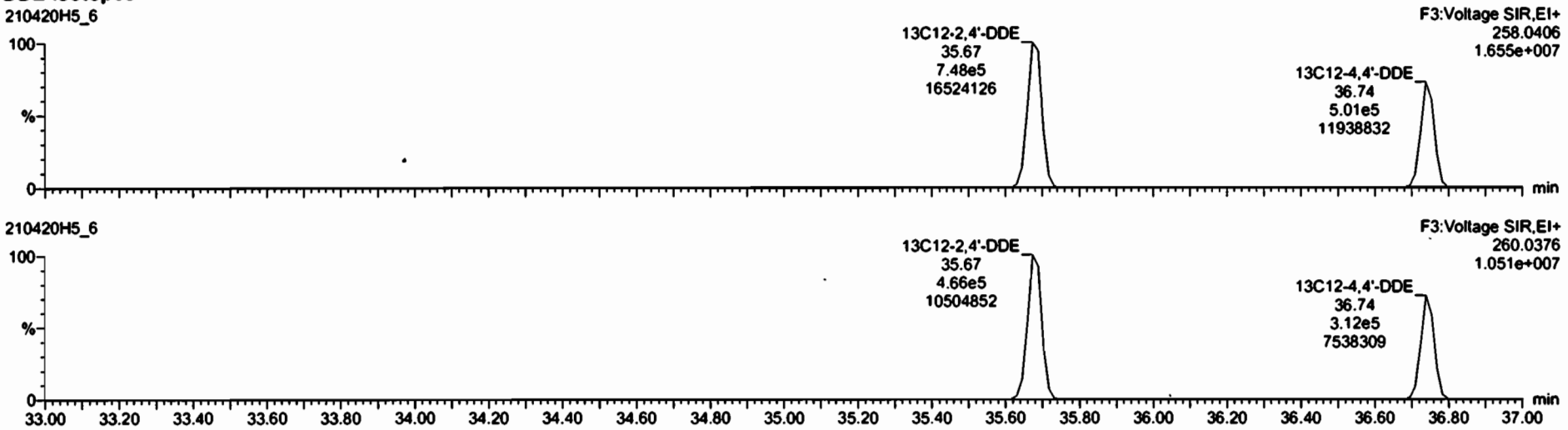
Name: 210420H5_6, Date: 20-Apr-2021, Time: 22:15:33, ID: ST210420H5_6 1699 CS3 21C0402, Description: 1699 CS3 21C0402

DDMU-DDE



DDE-Isotopes



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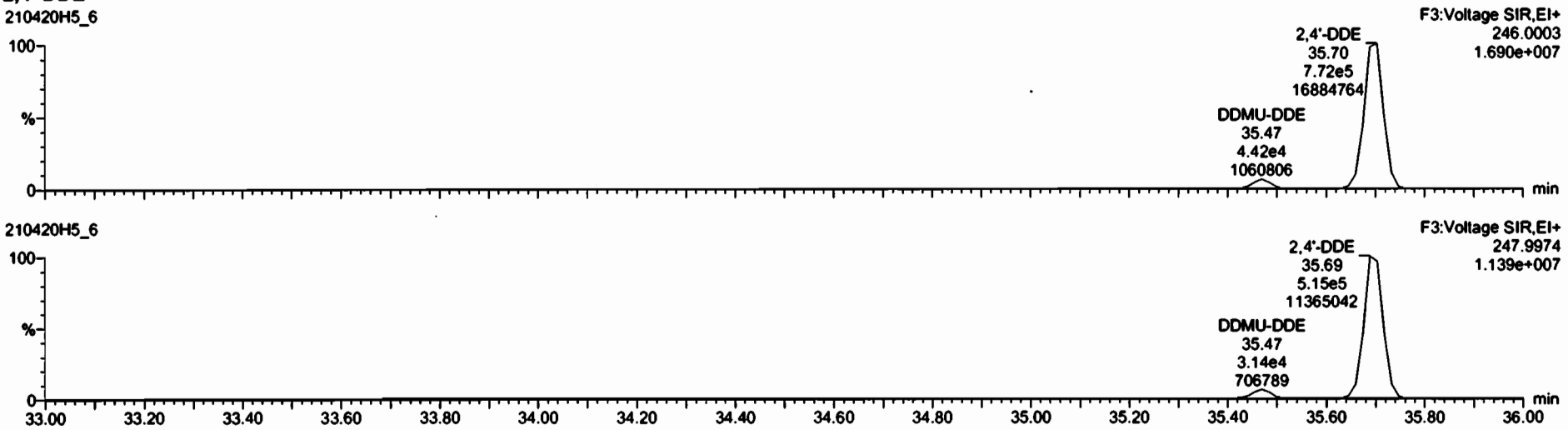
Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

Name: 210420H5_6, Date: 20-Apr-2021, Time: 22:15:33, ID: ST210420H5_6 1699 CS3 21C0402, Description: 1699 CS3 21C0402

2,4'-DDE



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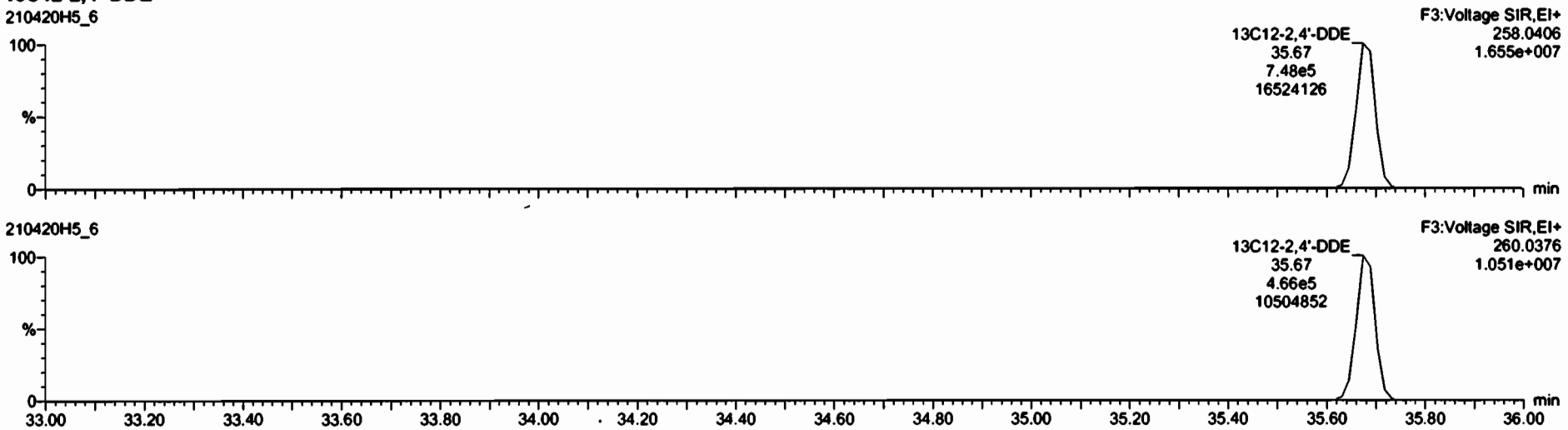

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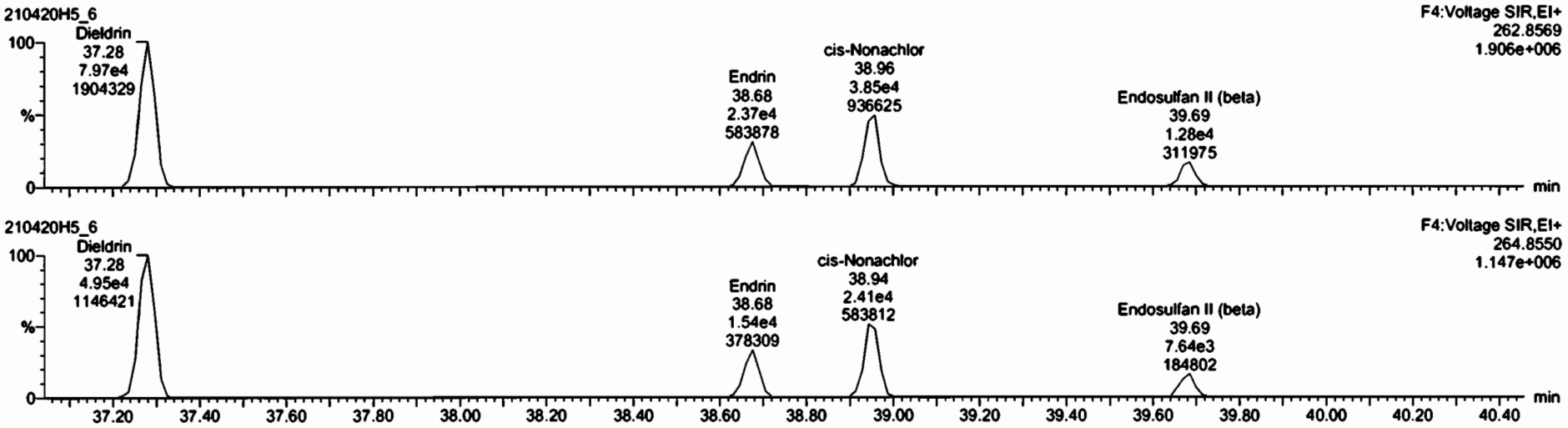
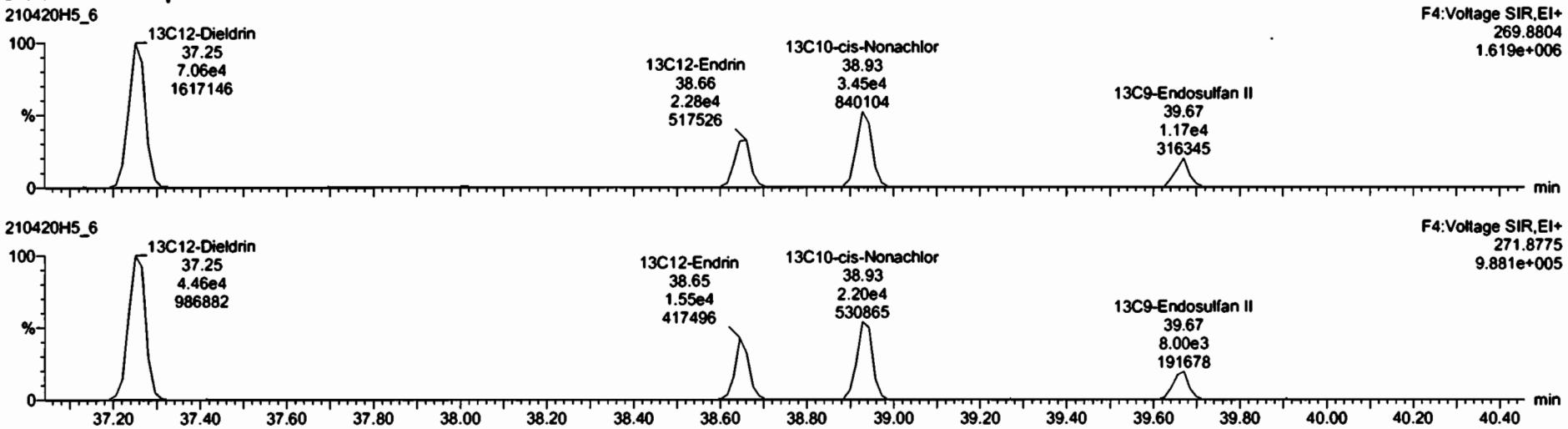
Name: 210420H5_6, Date: 20-Apr-2021, Time: 22:15:33, ID: ST210420H5_6 1699 CS3 21C0402, Description: 1699 CS3 21C0402

Dieldrin-EII



Dieldrin-EII-isotopes



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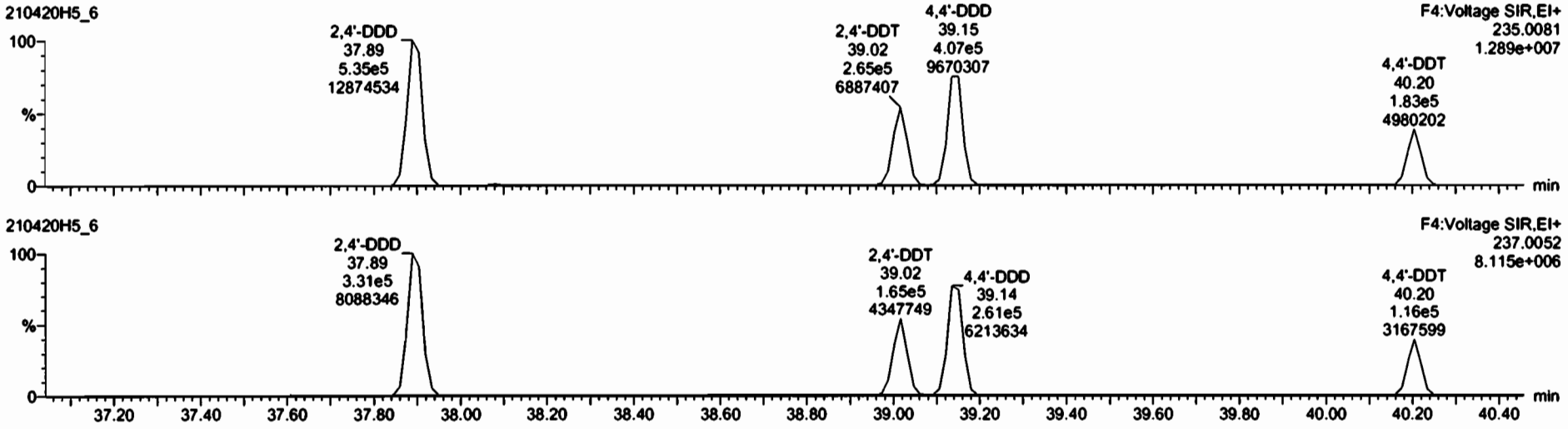
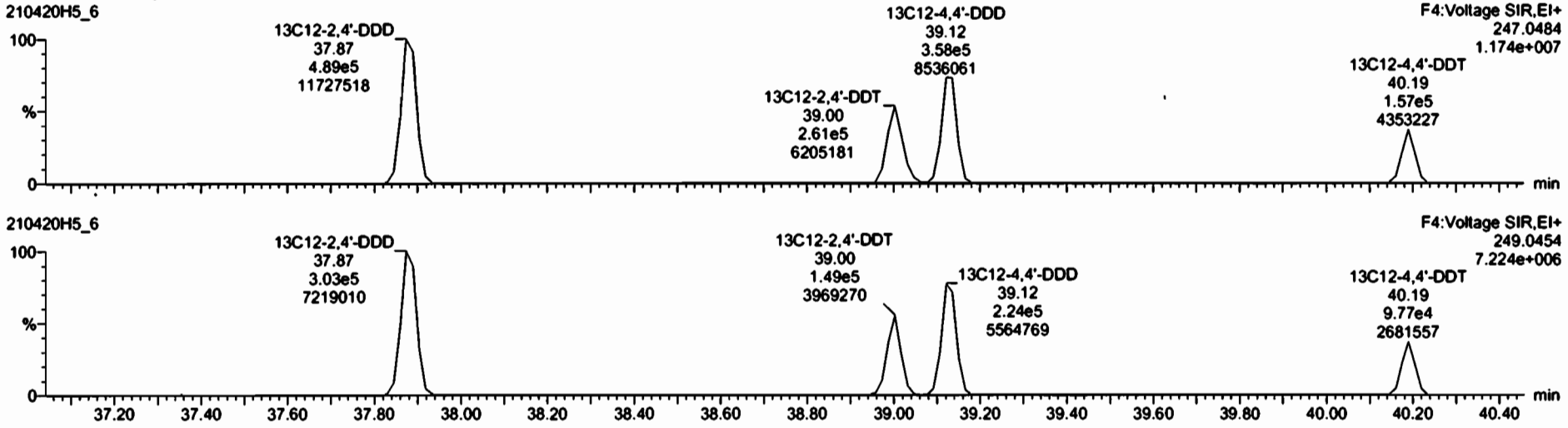
Name: 210420H5_6, Date: 20-Apr-2021, Time: 22:15:33, ID: ST210420H5_6 1699 CS3 21C0402, Description: 1699 CS3 21C0402

DDD-DDT



DDD-DDT-isotopes



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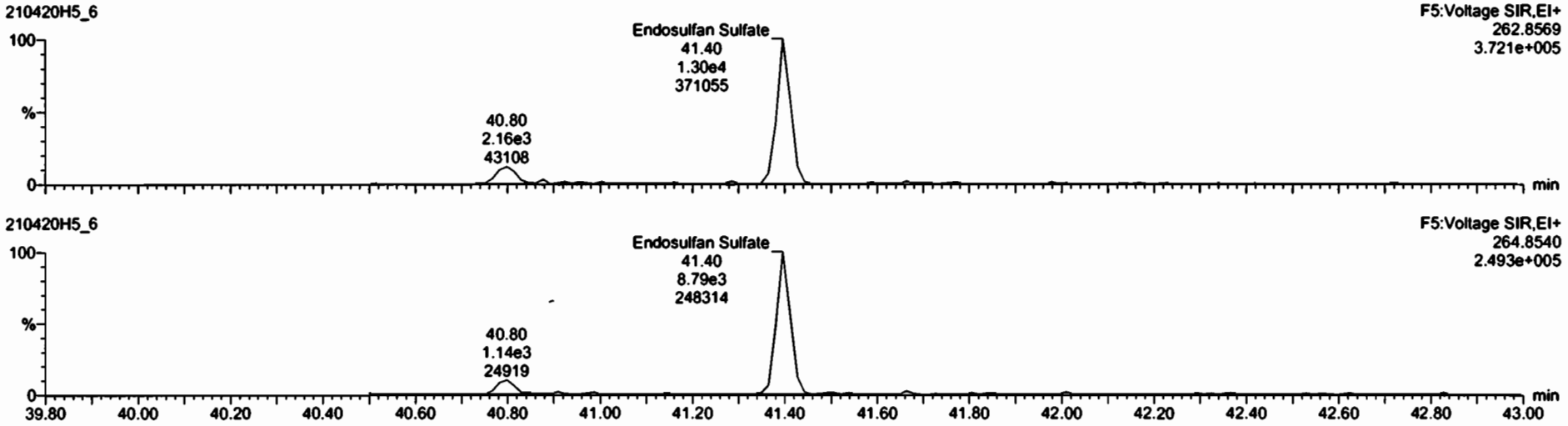
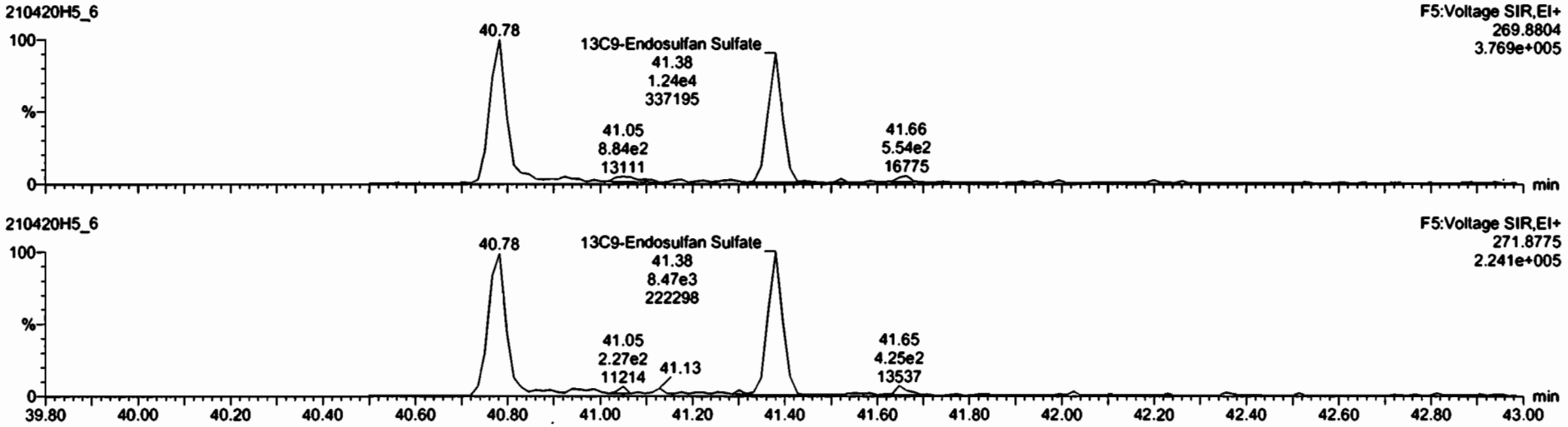
Name: 210420H5_6, Date: 20-Apr-2021, Time: 22:15:33, ID: ST210420H5_6 1699 CS3 21C0402, Description: 1699 CS3 21C0402

Endosulfan Sulfate



13C9-Endosulfan Sulfate



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Last Altered: Wednesday, April 21, 2021 10:40:25 Pacific Daylight Time
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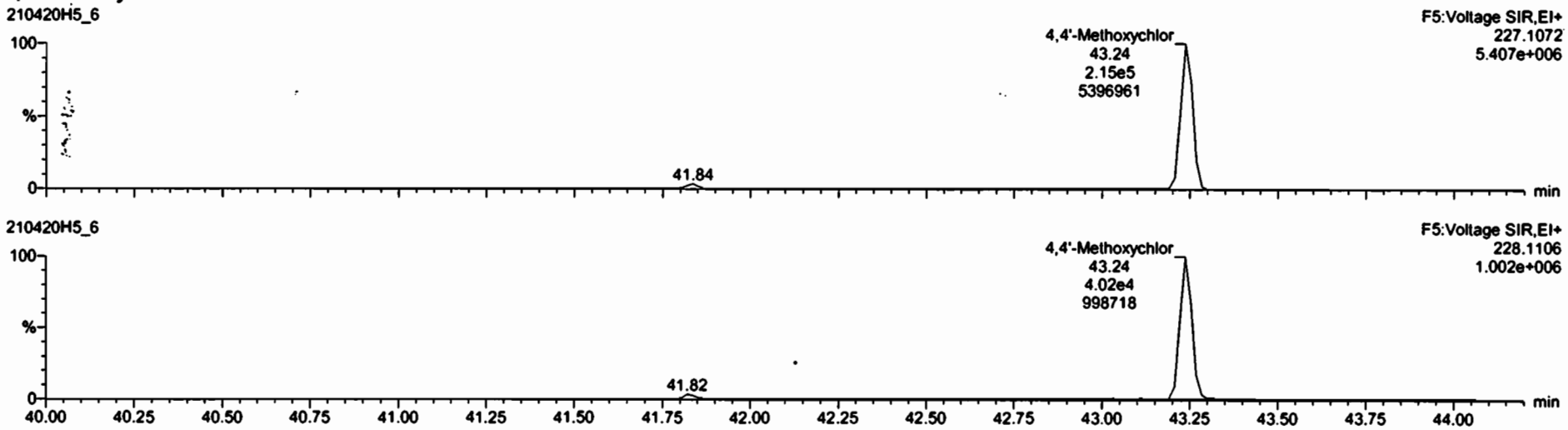
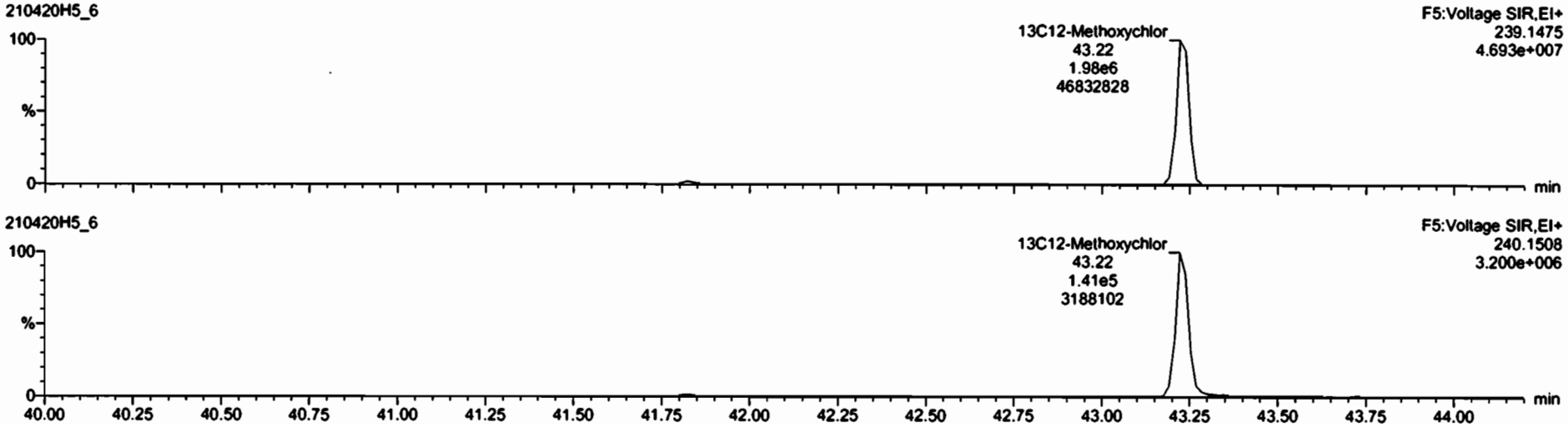
Name: 210420H5_6, Date: 20-Apr-2021, Time: 22:15:33, ID: ST210420H5_6 1699 CS3 21C0402, Description: 1699 CS3 21C0402

4,4'-Methoxychlor



13C12-Methoxychlor



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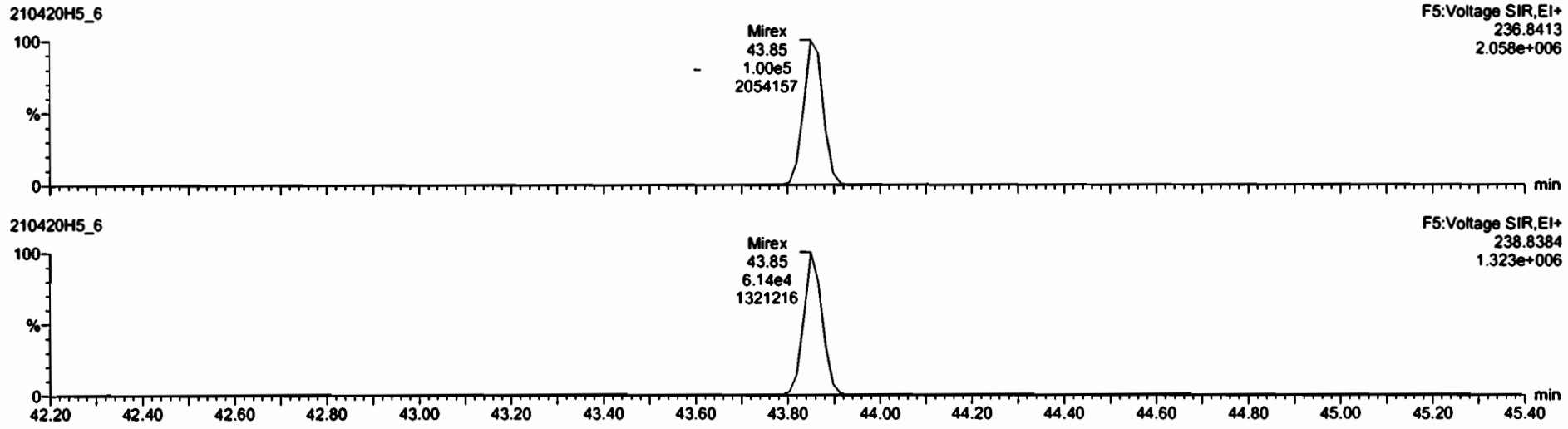
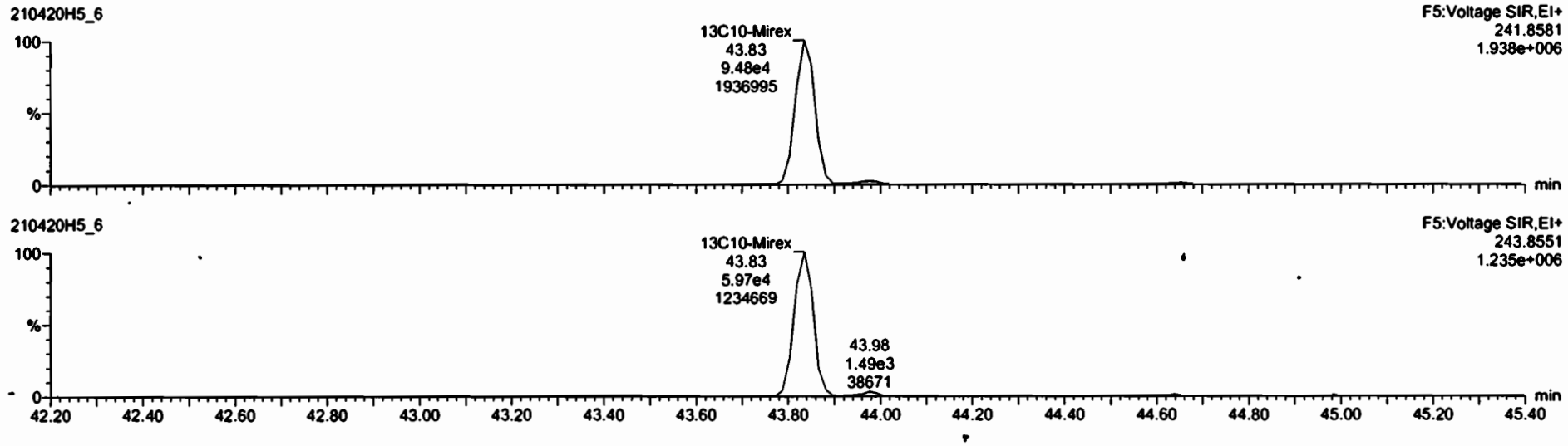
Name: 210420H5_6, Date: 20-Apr-2021, Time: 22:15:33, ID: ST210420H5_6 1699 CS3 21C0402, Description: 1699 CS3 21C0402

Mirex



13C10-Mirex



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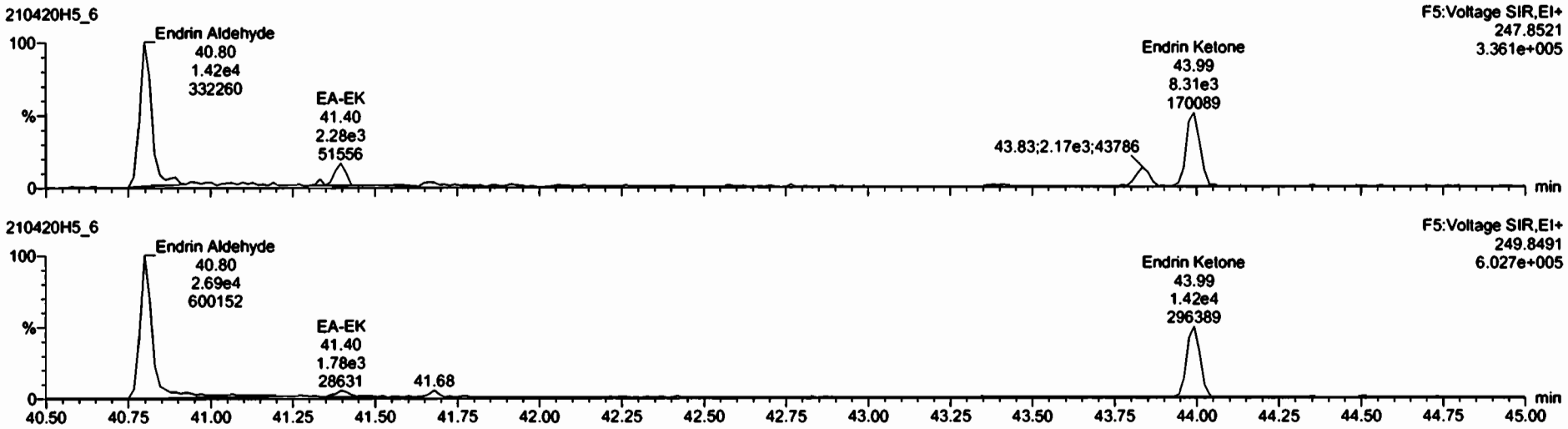
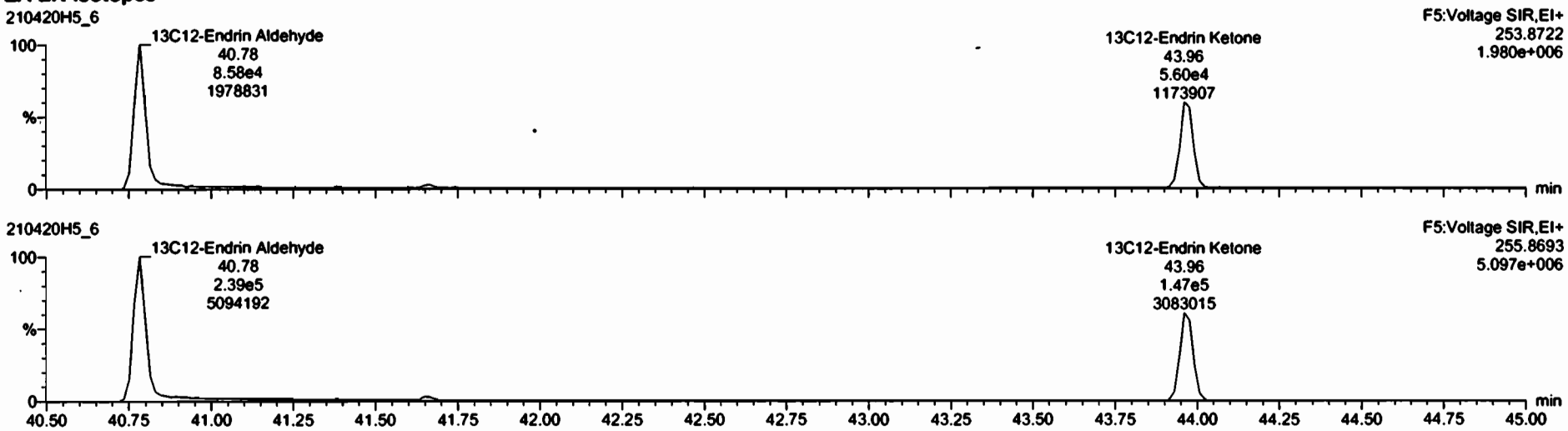
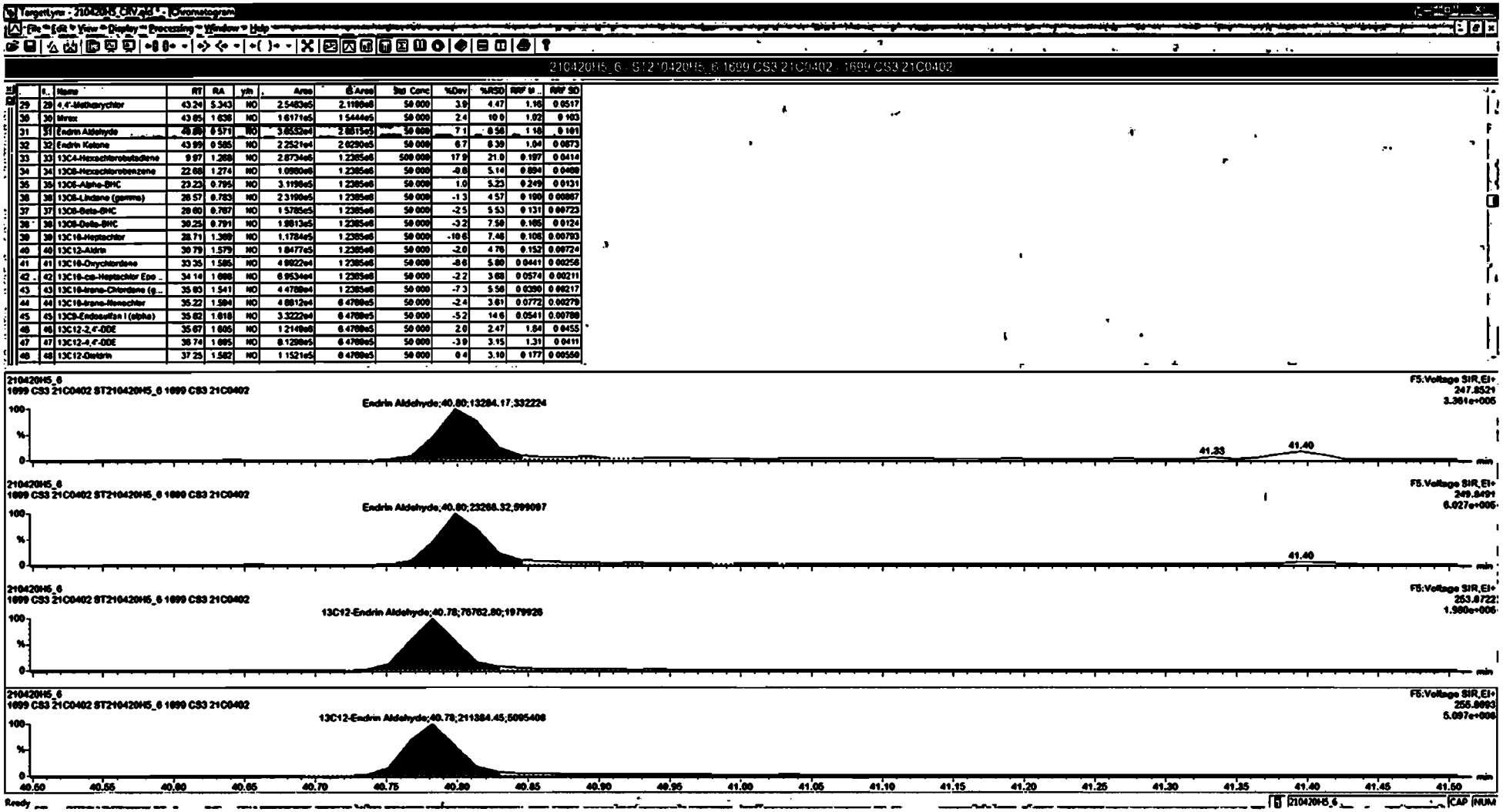
EA-EK



EA-EK-isotopes





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29	29	4,4'-Methoxychlor	43.24	5.343	NO	2.5483e5	2.1188e6	50.000	3.9	4.47	1.16	0.0517
30	30	Mirex	43.05	1.636	NO	1.6171e5	1.5444e6	50.000	2.4	10.9	1.02	0.103
31	31	Endrin Aldehyde	40.80	0.571	NO	3.8535e4	2.8815e5	50.000	7.1	8.56	1.18	0.101
32	32	Endrin Ketone	43.99	0.585	NO	2.2521e4	2.0230e5	50.000	6.7	8.39	1.04	0.0873
33	33	13C4-Hexachlorobutadiene	9.97	1.288	NO	2.8734e6	1.2385e6	500.000	17.9	21.0	0.197	0.0414
34	34	13C6-Hexachlorobenzene	22.68	1.274	NO	1.0980e6	1.2385e6	50.000	-8.8	5.14	0.894	0.0460
35	35	13C6-Alpha-BHC	23.23	0.795	NO	3.1196e5	1.2385e6	50.000	1.0	5.23	0.249	0.0131
36	36	13C6-Lindane (gamma)	26.57	0.783	NO	2.3190e5	1.2385e6	50.000	-1.3	4.57	0.180	0.00867
37	37	13C6-Beta-BHC	29.60	0.787	NO	1.5785e5	1.2385e6	50.000	-2.5	5.53	0.131	0.00723
38	38	13C6-Delta-BHC	30.25	0.791	NO	1.9813e5	1.2385e6	50.000	-3.2	7.59	0.165	0.0124
39	39	13C10-Heptachlor	28.71	1.369	NO	1.1784e5	1.2385e6	50.000	-10.6	7.46	0.106	0.00793
40	40	13C12-Aldrin	30.79	1.579	NO	1.8477e5	1.2385e6	50.000	-2.0	4.76	0.152	0.00724
41	41	13C10-Oxychlordane	33.35	1.585	NO	4.9922e4	1.2385e6	50.000	-8.6	5.80	0.0441	0.00256
42	42	13C10-cis-Heptachlor Epo ...	34.14	1.688	NO	6.9534e4	1.2385e6	50.000	-2.2	3.68	0.0574	0.00211
43	43	13C10-trans-Chlordane (g...	35.93	1.541	NO	4.4788e4	1.2385e6	50.000	-7.3	5.56	0.0360	0.00217
44	44	13C10-trans-Nonachlor	35.22	1.584	NO	4.8812e4	8.4788e5	50.000	-2.4	3.61	0.0772	0.00279
45	45	13C9-Endosulfan I (alpha)	35.62	1.618	NO	3.3222e4	8.4788e5	50.000	-5.2	14.6	0.0541	0.00790
46	46	13C12-2,4'-DDE	35.67	1.605	NO	1.2140e6	8.4788e5	50.000	2.0	2.47	1.84	0.0455
47	47	13C12-4,4'-DDE	36.74	1.685	NO	8.1298e5	8.4788e5	50.000	-3.9	3.15	1.31	0.0411
48	48	13C12-Dieldrin	37.25	1.582	NO	1.1521e5	8.4788e5	50.000	0.4	3.10	0.177	0.00550

Dataset: Untitled

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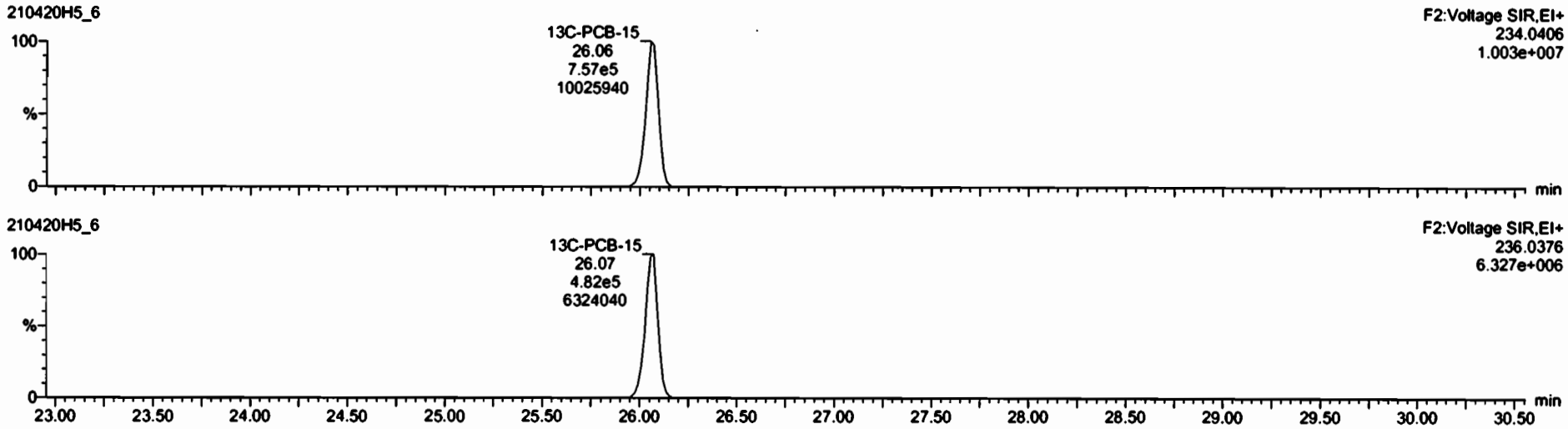
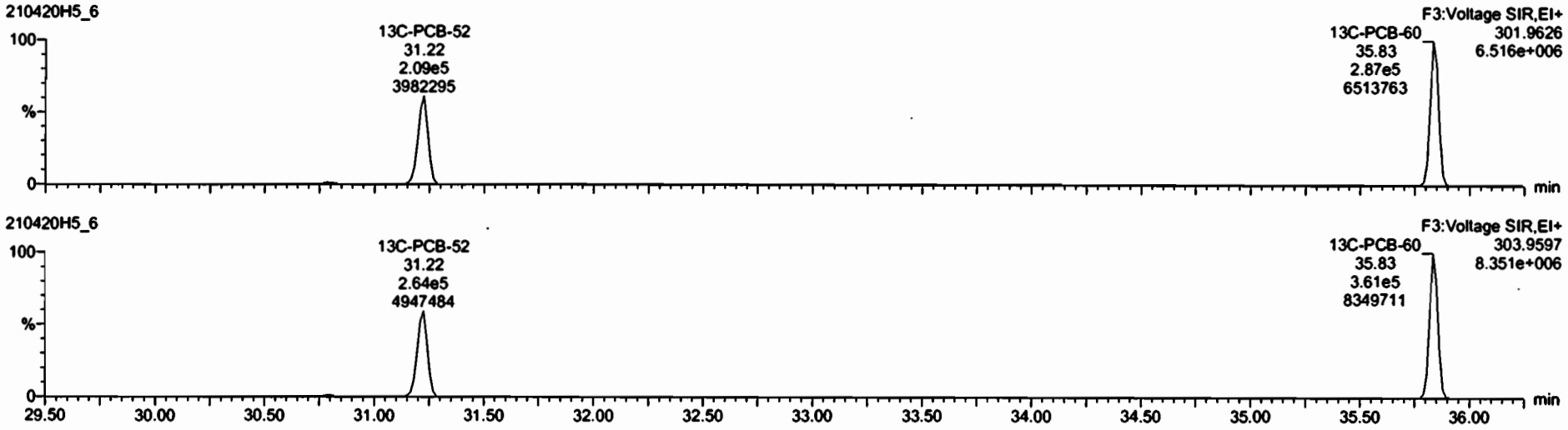
Name: 210420H5_6, Date: 20-Apr-2021, Time: 22:15:33, ID: ST210420H5_6 1699 CS3 21C0402, Description: 1699 CS3 21C0402

13C-PCB-15



13C-PCB-60



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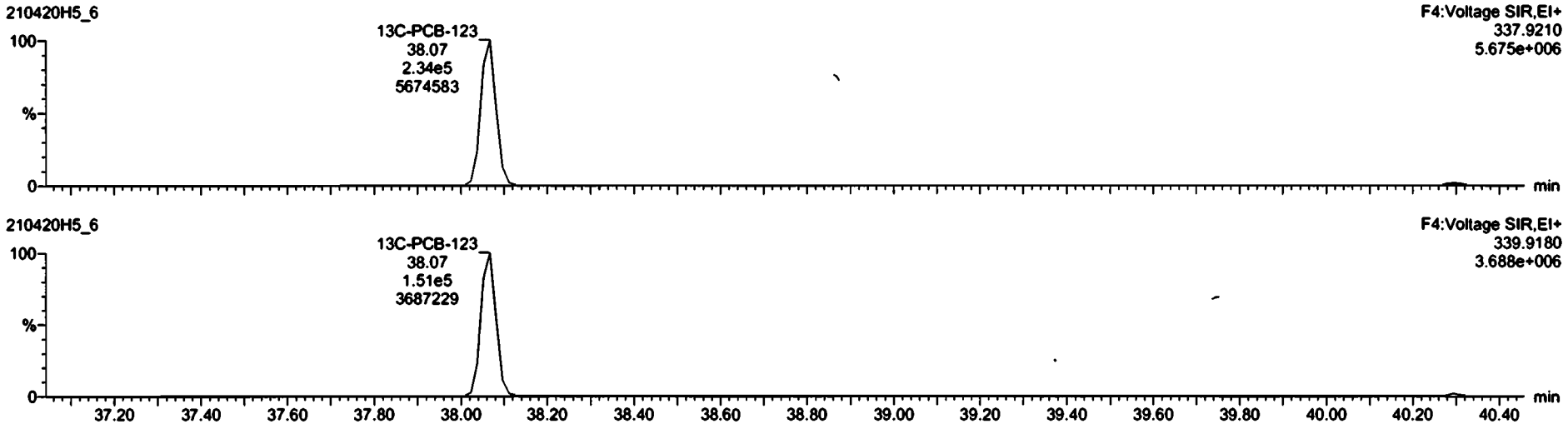
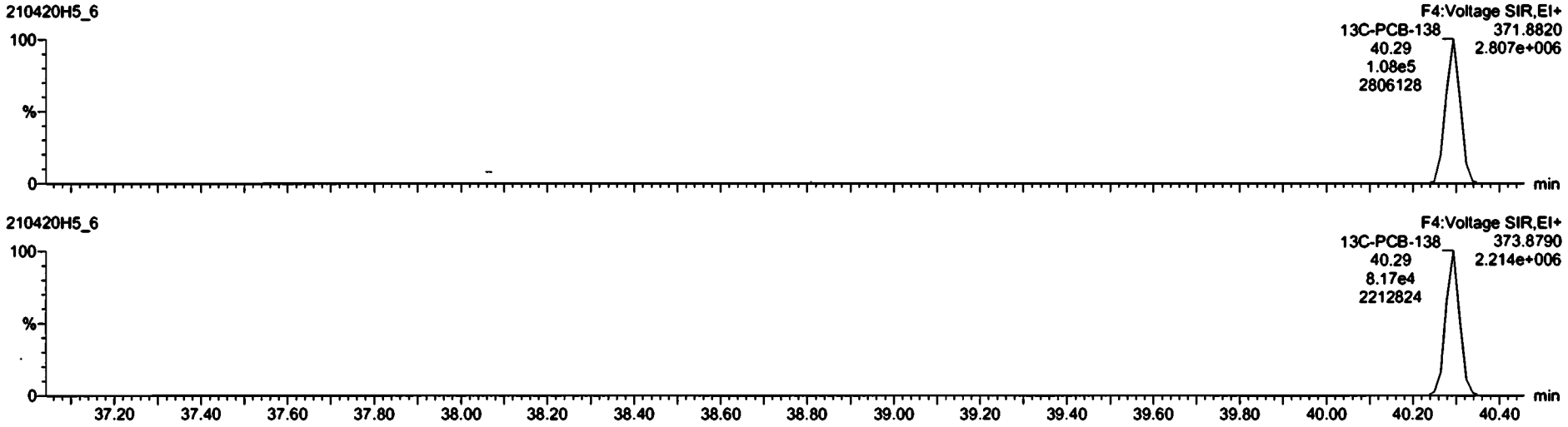
Name: 210420H5_6, Date: 20-Apr-2021, Time: 22:15:33, ID: ST210420H5_6 1699 CS3 21C0402, Description: 1699 CS3 21C0402

13C-PCB-123



13C-PCB-138



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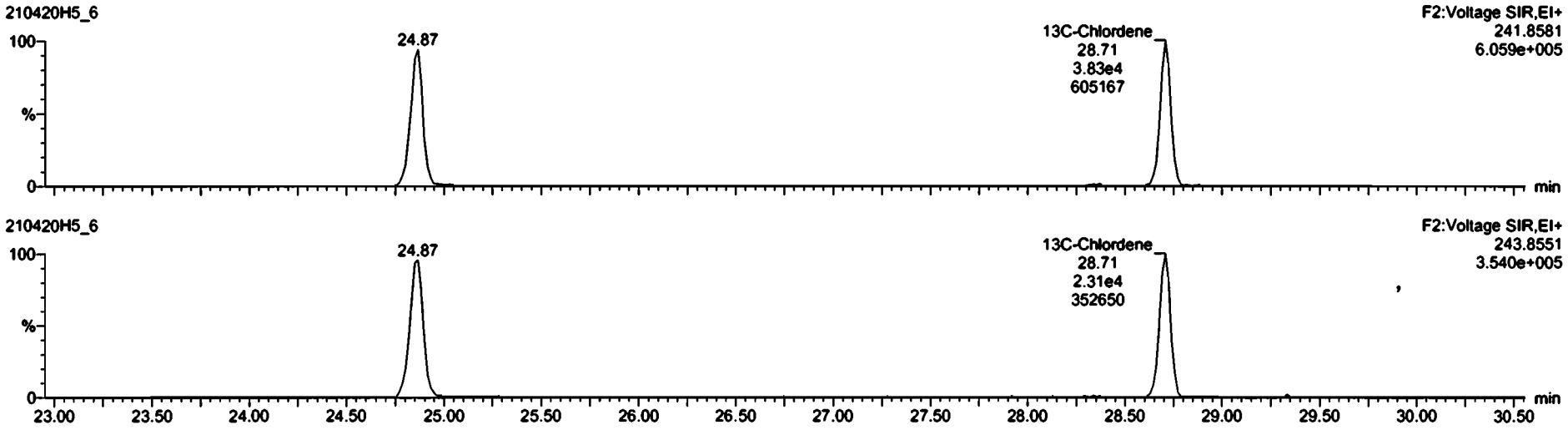
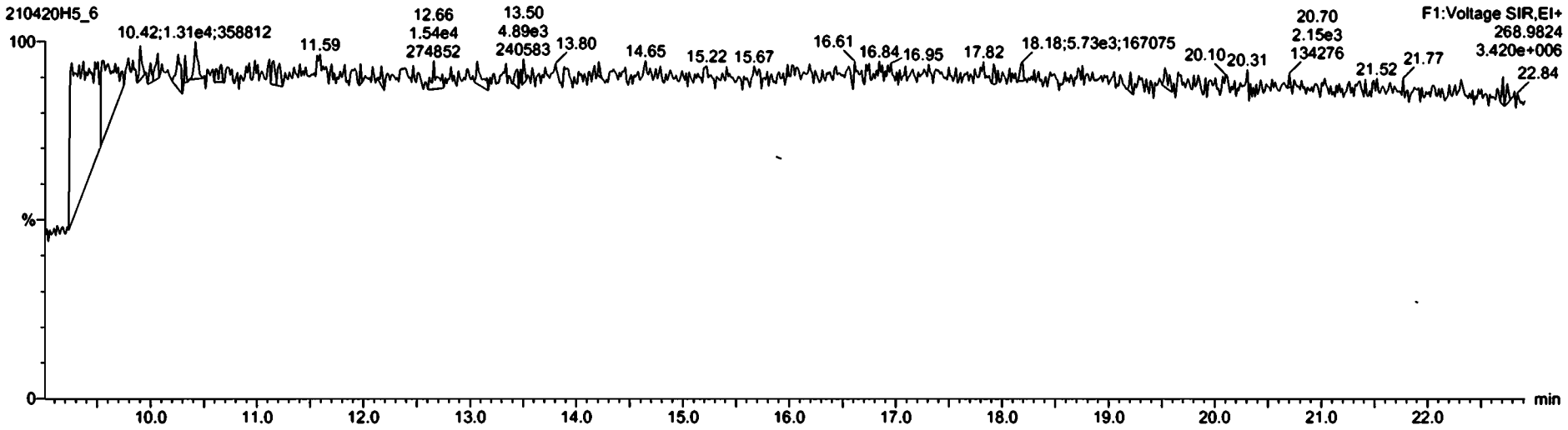
Name: 210420H5_6, Date: 20-Apr-2021, Time: 22:15:33, ID: ST210420H5_6 1699 CS3 21C0402, Description: 1699 CS3 21C0402

13C-Chlordene



PFK1



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Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

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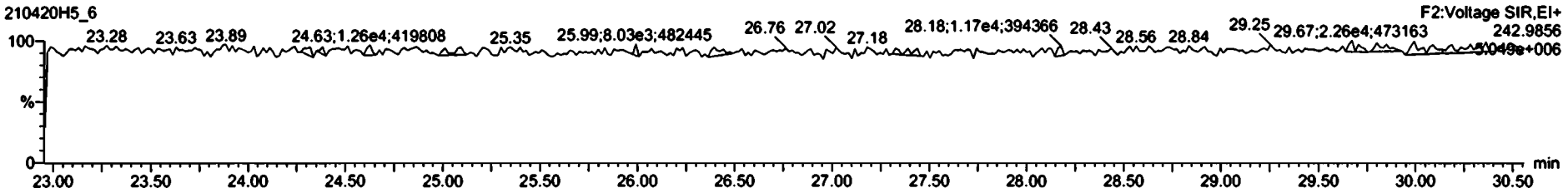

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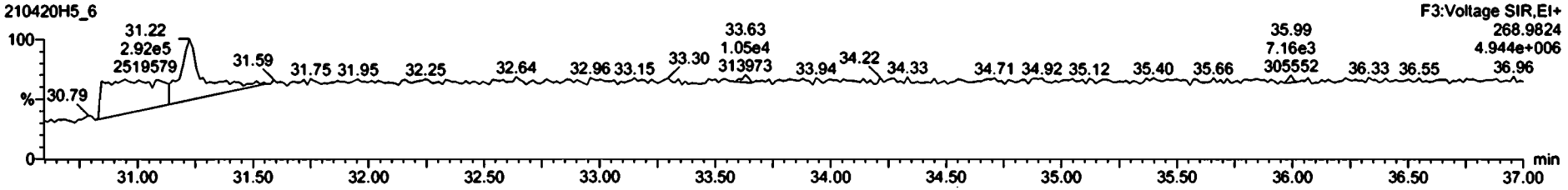

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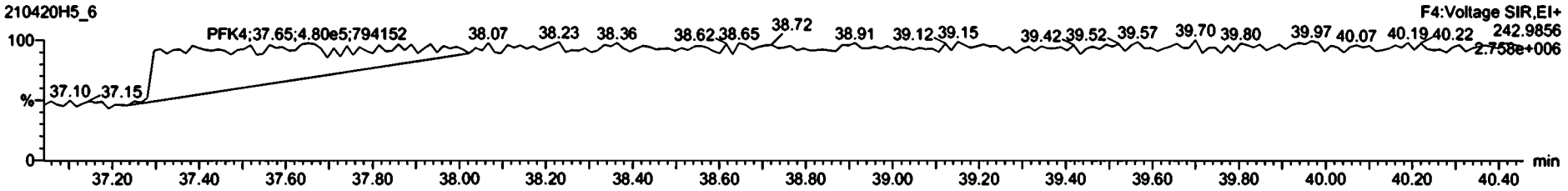

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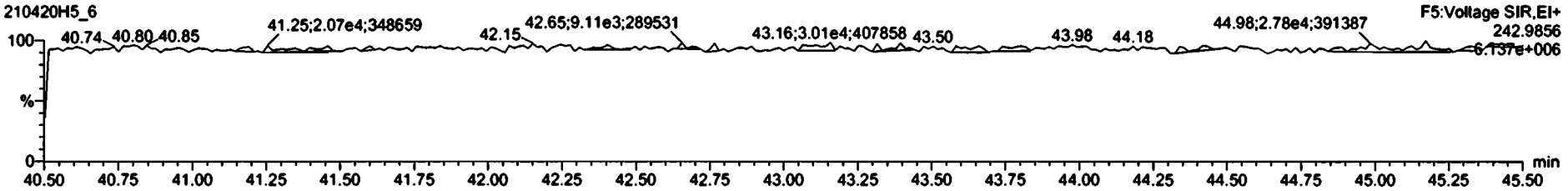

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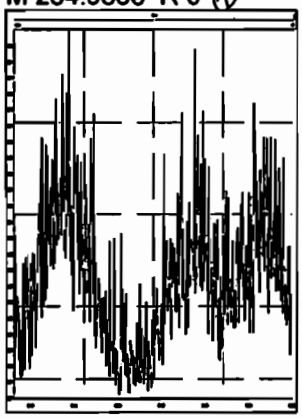
Column bleed

M 254.9856 R 0 (A)



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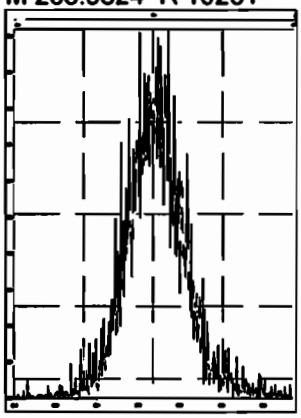

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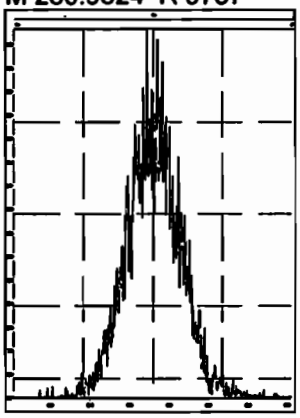

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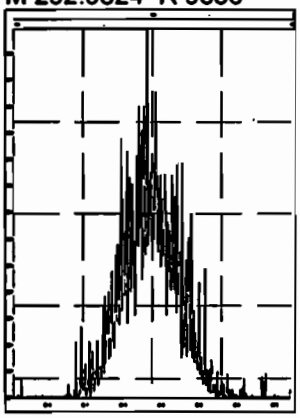

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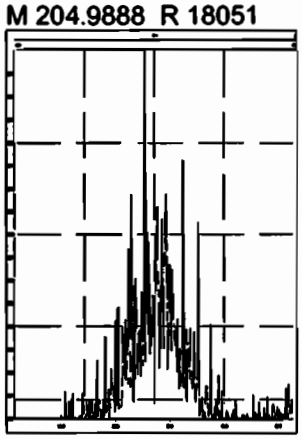

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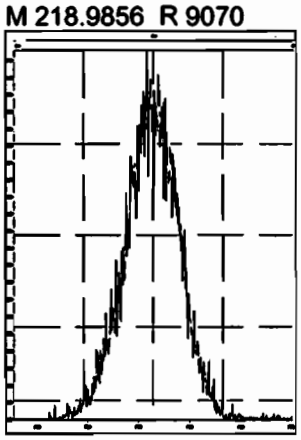

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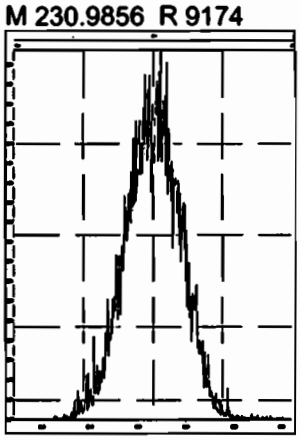

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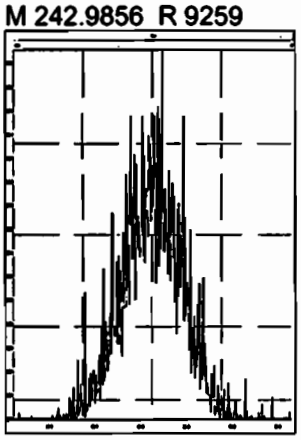

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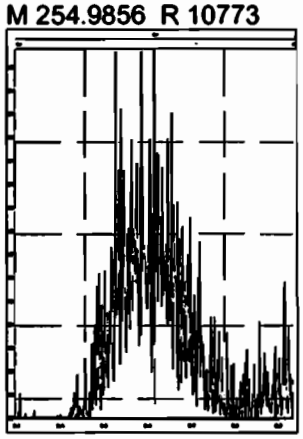

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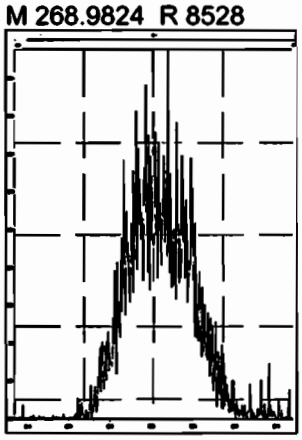

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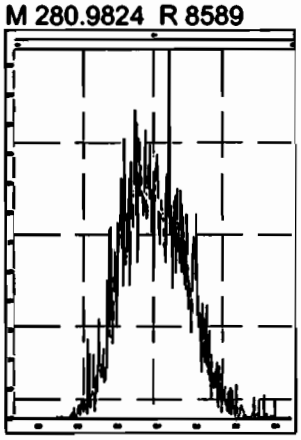

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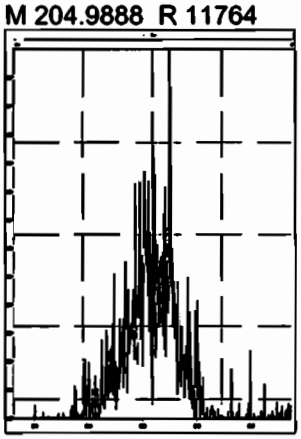

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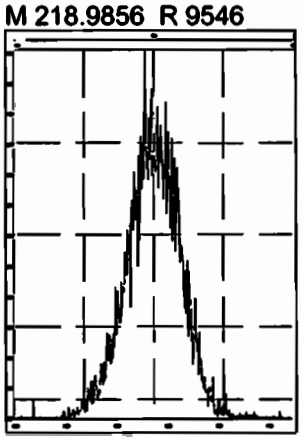

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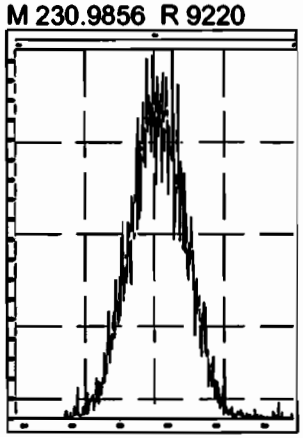

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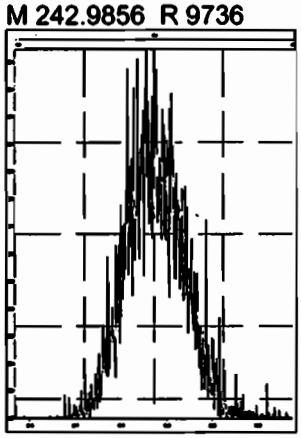
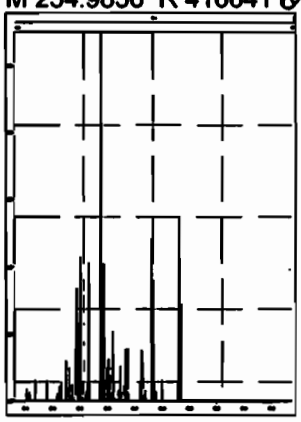
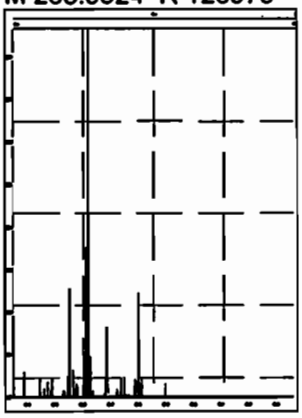


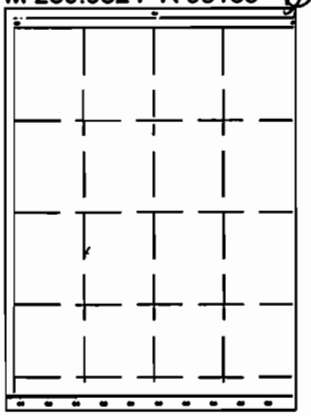
M 254.9856 R 416641 (B) Mass Did not control



M 268.9824 R 126975



M 280.9824 R 93159 (B)



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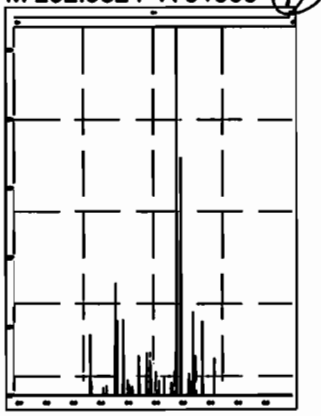

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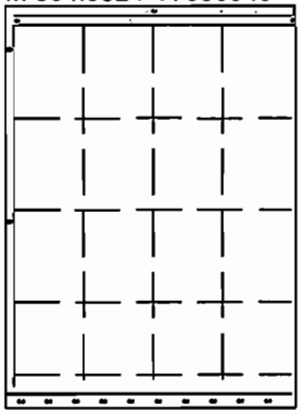
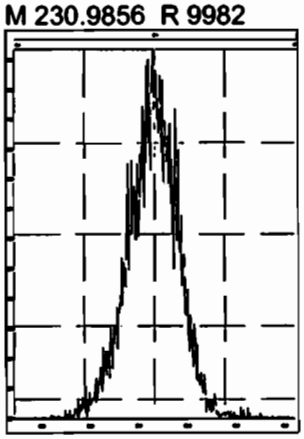
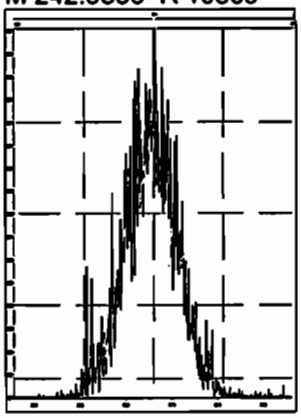


M 230.9856 R 9982



M 242.9856 R 10869



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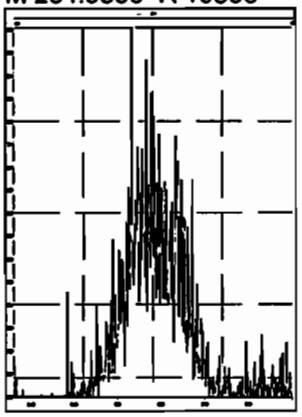

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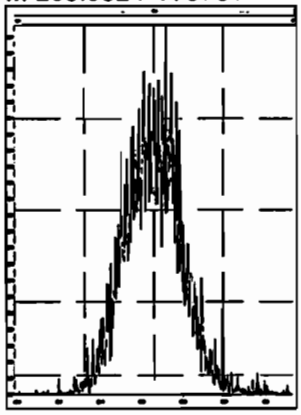

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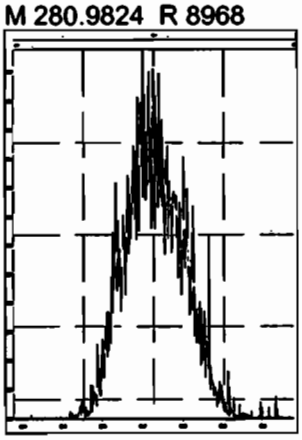

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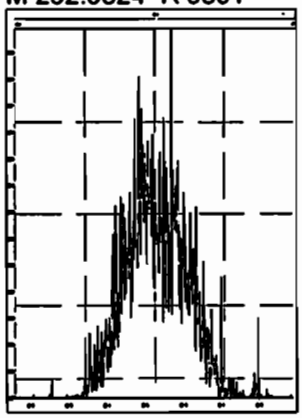

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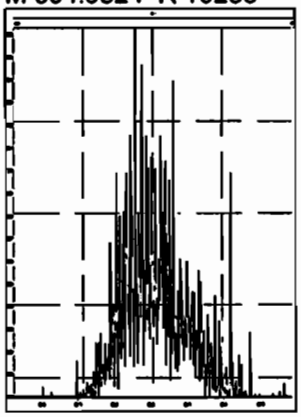

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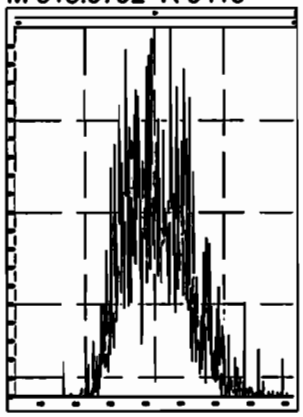

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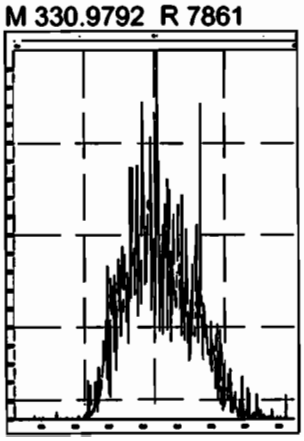

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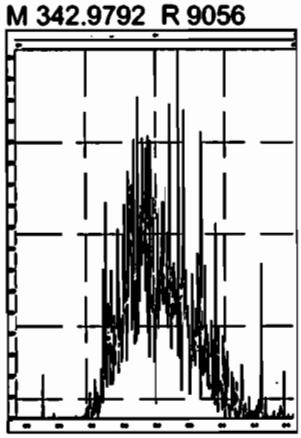

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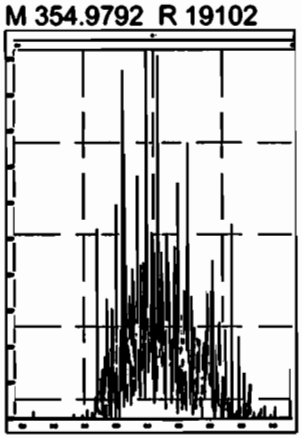

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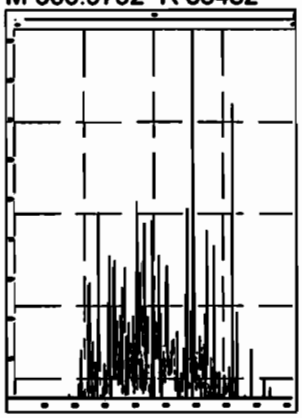

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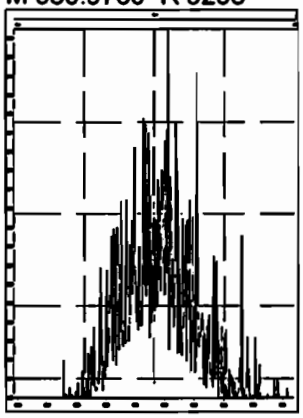

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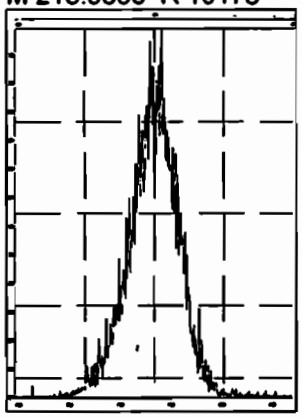

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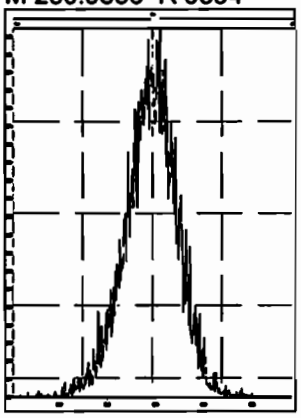

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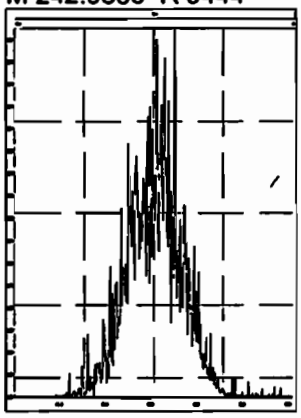

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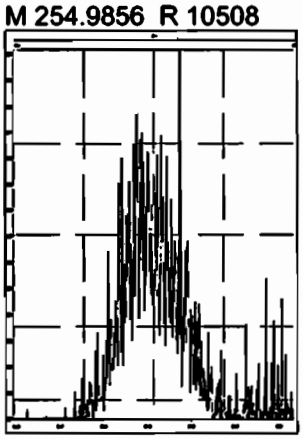

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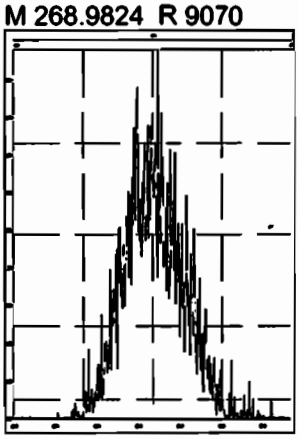

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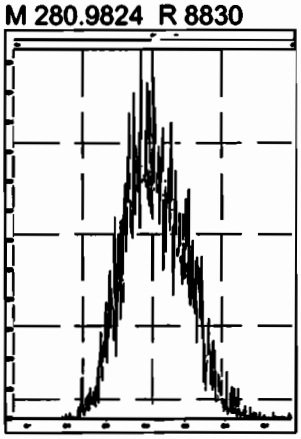

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210420H5\210420H5_7.qld

Last Altered: Wednesday, April 21, 2021 11:06:00 Pacific Daylight Time
Printed: Wednesday, April 21, 2021 11:07:06 Pacific Daylight Time

DF 04/21/21
HN 04/21/21

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210420H5_7, Date: 20-Apr-2021, Time: 23:03:52, ID: SS210420H5_1 1699 SS 20B2107, Description: 1699 SS 20B2107, Task: ICAL210420H5

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec (75-125%)	DL	EMPC
1	2	Hexachlorobenzene	3.65e6	1.84e6	1.27	NO	0.984	1.000	22.71	1.001	1.000	NO	101.20	101	0.00100	101
2	3	Alpha-BHC	8.63e5	5.21e5	2.12	NO	0.817	1.000	23.26	1.001	1.001	NO	101.41	101	0.0270	101
3	4	Lindane (gamma-...	6.68e5	3.91e5	2.13	NO	0.847	1.000	26.60	1.001	1.000	NO	100.96	101	0.0375	101
4	5	Beta-BHC	5.40e5	2.71e5	2.15	NO	0.983	1.000	28.61	1.001	1.001	NO	101.17	101	0.0388	101
5	6	Delta-BHC	6.52e5	3.45e5	2.10	NO	0.908	1.000	30.27	1.001	1.001	NO	103.88	104	0.0307	104
6	7	Heptachlor	4.57e5	2.01e5	1.29	NO	1.10	1.000	28.74	1.001	1.001	NO	103.04	103	0.0199	103
7	9	Aldrin	7.12e5	3.05e5	1.61	NO	1.12	1.000	30.83	1.001	1.001	NO	104.52	105	0.0345	105
8	10	Oxychlordane	1.96e5	8.62e4	1.63	NO	1.11	1.000	33.38	1.001	1.001	NO	102.67	103	0.102	103
9	11	cis-Heptachlor Ep...	2.62e5	1.12e5	1.63	NO	1.13	1.000	34.16	1.000	1.001	NO	103.74	104	0.0739	104
10	12	trans-Heptachlor E...	6.15e4	1.12e5	1.77	NO	0.273	1.000	34.65	1.015	1.016	NO	101.01	101	0.306	101
11	13	trans-Chlordane (g...	1.82e5	7.36e4	1.57	NO	1.19	1.000	35.06	1.001	1.001	NO	103.75	104	0.106	104
12	14	trans-Nonachlor	1.86e5	8.15e4	1.65	NO	1.09	1.000	35.25	1.001	1.000	NO	104.67	105	0.0989	105
13	15	cis-Chlordane	2.07e5	8.15e4	1.58	NO	1.20	1.000	35.73	1.014	1.016	NO	105.67	106	0.0896	106
14	16	Endosulfan I (alpha)	1.34e5	5.91e4	1.56	NO	1.21	1.000	35.83	1.000	1.001	NO	93.658	93.7	0.124	93.7
15	18	2,4'-DDE	4.19e6	2.04e6	1.49	NO	1.01	1.000	35.70	1.001	1.000	NO	101.49	101	0.0314	101
16	19	4,4'-DDE	2.77e6	1.34e6	1.51	NO	1.03	1.000	36.77	1.001	1.000	NO	99.934	99.9	0.0438	99.9
17	20	Dieldrin	4.12e5	1.93e5	1.59	NO	1.05	1.000	37.28	1.001	1.001	NO	101.04	101	0.0666	101
18	21	Endrin	1.45e5	7.32e4	1.58	NO	0.979	1.000	38.68	1.000	1.001	NO	100.95	101	0.163	101
19	22	cis-Nonachlor	1.79e5	8.63e4	1.57	NO	1.05	1.000	38.96	1.001	1.000	NO	98.581	98.6	0.129	98.6
20	23	Endosulfan II (beta)	5.93e4	3.04e4	1.57	NO	1.09	1.000	39.69	1.000	1.000	NO	89.529	89.5	0.319	89.5
21	24	2,4'-DDD	2.65e6	1.28e6	1.55	NO	1.03	1.000	37.89	1.000	1.000	NO	100.87	101	0.0849	101
22	25	2,4'-DDT	1.35e6	6.15e5	1.56	NO	1.02	1.000	39.02	1.000	1.000	NO	107.93	108	0.158	108
23	26	4,4'-DDD	2.02e6	9.10e5	1.54	NO	1.10	1.000	39.15	1.000	1.000	NO	100.66	101	0.103	101
24	27	4,4'-DDT	9.00e5	4.07e5	1.57	NO	1.11	1.000	40.20	1.000	1.001	NO	99.736	99.7	0.220	99.7
25	28	Endosulfan Sulfate	6.90e4	3.11e4	1.69	NO	1.04	1.000	41.40	1.000	1.000	NO	107.07	107	0.405	107
26	29	4,4'-Methoxychlor	7.31e5	3.17e6	5.37	NO	1.16	1.000	43.24	1.000	1.000	NO	99.500	99.5	0.0807	99.5
27	30	Mirex	4.53e5	2.15e5	1.53	NO	1.02	1.000	43.85	1.000	1.001	NO	102.82	103	0.108	103
28	31	Endrin Aldehyde	1.15e5	4.33e5	0.60	NO	1.18	1.000	40.80	1.000	1.000	NO	111.67	112	0.511	112
29	32	Endrin Ketone	7.44e4	2.96e5	0.60	NO	1.04	1.000	43.99	1.000	1.000	NO	120.65	121	0.918	121
30	34	13C6-Hexachlorob...	1.84e6	2.27e6	1.29	NO	0.894	1.000	22.69	0.870	0.871	NO	45.330	90.7 (50-150%)	0.0008...	
31	35	13C6-Alpha-BHC	5.21e5	2.27e6	0.80	NO	0.249	1.000	23.23	0.891	0.891	NO	46.090	92.2	0.0683	

Dataset: U:\vg10.PRO\Results\210420H5\210420H5_7.qld

Last Altered: Wednesday, April 21, 2021 11:06:00 Pacific Daylight Time
Printed: Wednesday, April 21, 2021 11:07:06 Pacific Daylight Time

Name: 210420H5_7, Date: 20-Apr-2021, Time: 23:03:52, ID: SS210420H5_1 1699 SS 20B2107, Description: 1699 SS 20B2107, Task: ICAL210420H5

50-150.

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
32	36	13C6-Lindane (ga...	3.91e5	2.27e6	0.77	NO	0.190	1.000	26.57	1.019	1.019	NO	45.491	91.0	0.0899	
33	37	13C6-Beta-BHC	2.71e5	2.27e6	0.77	NO	0.131	1.000	28.60	1.097	1.097	NO	45.824	91.6	0.130	
34	38	13C6-Delta-BHC	3.45e5	2.27e6	0.79	NO	0.165	1.000	30.25	1.160	1.160	NO	46.131	92.3	0.103	
35	39	13C10-Heptachlor	2.01e5	2.27e6	1.30	NO	0.106	1.000	28.71	1.101	1.102	NO	41.698	83.4	0.0325	
36	40	13C12-Aldrin	3.05e5	2.27e6	1.59	NO	0.152	1.000	30.80	1.181	1.181	NO	44.265	88.5	0.0531	
37	41	13C10-Oxychlorda...	8.62e4	2.27e6	1.57	NO	0.0441	1.000	33.35	1.279	1.280	NO	43.153	86.3	0.183	
38	42	13C10-cis-Heptac...	1.12e5	2.27e6	1.56	NO	0.0574	1.000	34.14	1.310	1.310	NO	42.925	85.9	0.141	
39	43	13C10-trans-Chlor...	7.36e4	2.27e6	1.55	NO	0.0390	1.000	35.03	1.344	1.344	NO	41.671	83.3	0.207	
40	44	13C10-trans-Nona...	8.15e4	1.21e6	1.51	NO	0.0772	1.000	35.22	0.983	0.983	NO	43.542	87.1	0.120	
41	45	13C9-Endosulfan I...	5.91e4	1.21e6	1.68	NO	0.0541	1.000	35.82	1.000	1.000	NO	45.060	90.1	0.172	
42	46	13C12-2,4'-DDE	2.04e6	1.21e6	1.57	NO	1.84	1.000	35.67	0.996	0.995	NO	45.664	91.3	0.0202	
43	47	13C12-4,4'-DDE	1.34e6	1.21e6	1.59	NO	1.31	1.000	36.74	1.025	1.026	NO	42.291	84.6	0.0284	
44	48	13C12-Dieldrin	1.93e5	1.21e6	1.61	NO	0.177	1.000	37.25	1.040	1.040	NO	44.963	89.9	0.0808	
45	49	13C12-Endrin	7.32e4	1.21e6	1.64	NO	0.0828	1.000	38.66	1.079	1.079	NO	36.457	72.9	0.173	
46	50	13C10-cis-Nonach...	8.63e4	1.21e6	1.58	NO	0.0908	1.000	38.93	1.086	1.087	NO	39.188	78.4	0.158	
47	51	13C9-Endosulfan II	3.04e4	1.21e6	1.70	NO	0.0299	1.000	39.67	1.107	1.107	NO	41.955	83.9	0.479	
48	52	13C12-2,4'-DDD	1.28e6	1.21e6	1.61	NO	1.21	1.000	37.89	1.057	1.057	NO	43.490	87.0	0.0333	
49	53	13C12-2,4'-DDT	6.15e5	1.21e6	1.58	NO	0.662	1.000	39.00	1.088	1.089	NO	38.298	76.6	0.0612	
50	54	13C12-4,4'-DDD	9.10e5	1.21e6	1.60	NO	0.950	1.000	39.14	1.092	1.092	NO	39.510	79.0	0.0426	
51	55	13C12-4,4'-DDT	4.07e5	1.21e6	1.59	NO	0.455	1.000	40.19	1.122	1.122	NO	36.874	73.7	0.0891	
52	56	13C9-Endosulfan ...	3.11e4	1.21e6	1.58	NO	0.0363	1.000	41.38	1.155	1.156	NO	35.252	70.5	0.506	
53	57	13C12-Methoxychlor	3.17e6	1.21e6	13.95	NO	0.433	1.000	43.24	1.207	1.207	NO	302.32	60.5	0.135	
54	58	13C10-Mirex	2.15e5	1.21e6	1.60	NO	0.302	1.000	43.83	1.223	1.228	NO	29.355	58.7	0.0427	
55	59	13C12-Endrin Alde...	4.33e5	1.21e6	0.37	NO	0.0457	1.000	40.78	1.138	1.139	NO	390.62	78.1	0.860	
56	60	13C12-Endrin Ket...	2.96e5	1.21e6	0.38	NO	0.0360	1.000	43.98	1.227	1.227	NO	339.21	67.8	1.09	
57	62	13C-PCB-15	2.27e6	2.27e6	1.57	NO	1.00	1.000	26.07	1.000	1.000	NO	50.000	100	0.00857	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210420H5\210420H5_7.qld

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Printed: Wednesday, April 21, 2021 11:07:10 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210420H5_7, Date: 20-Apr-2021, Time: 23:03:52, ID: SS210420H5_1 1699 SS 20B2107, Description: 1699 SS 20B2107, Task: ICAL210420H5

	#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	63	13C-PCB-60	1.21e6	1.21e6	0.80	NO	1.00	1.000	35.83	1.000	1.000	NO	50.000	100	0.0228	

Vista Analytical Laboratory

Dataset: U:\vg10.PRO\Results\210420H5\210420H5_7.qld

Last Altered: Wednesday, April 21, 2021 11:03:20 Pacific Daylight Time
Printed: Wednesday, April 21, 2021 11:04:48 Pacific Daylight Time

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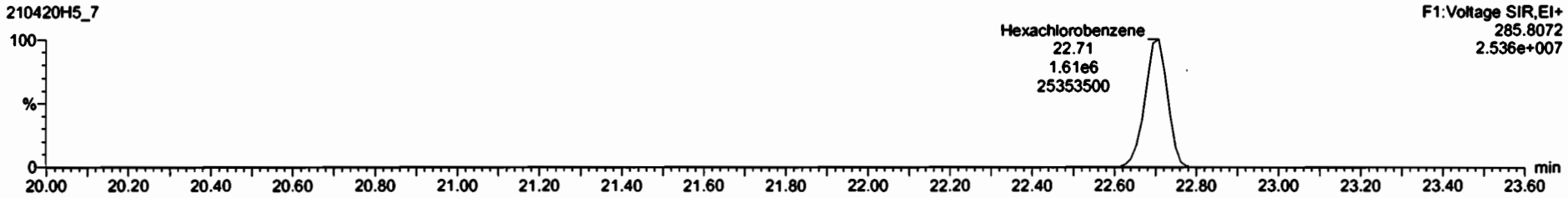
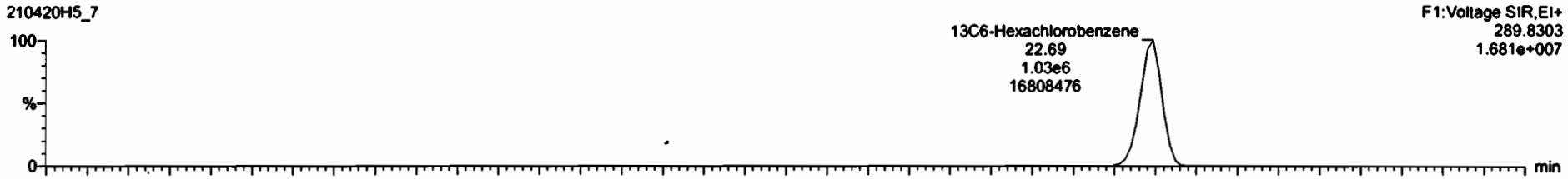
Calibration: U:\vg10.PRO\CurveDB\db-50_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

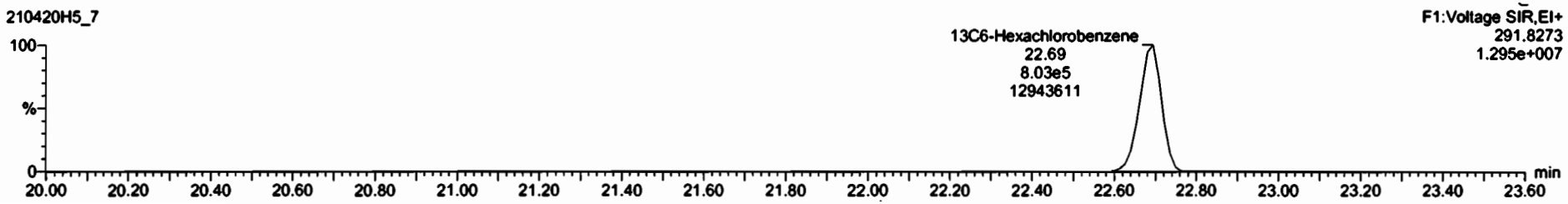
Name: 210420H5_7, Date: 20-Apr-2021, Time: 23:03:52, ID: SS210420H5_1 1699 SS 20B2107, Description: 1699 SS 20B2107

Hexachlorobenzene



13C6-Hexachlorobenzene





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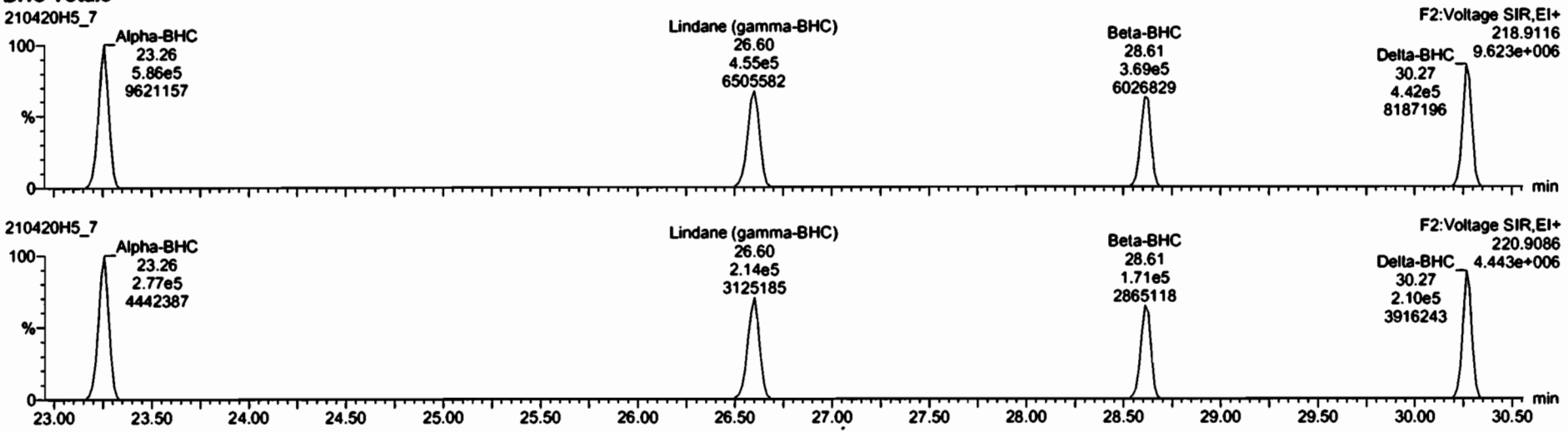
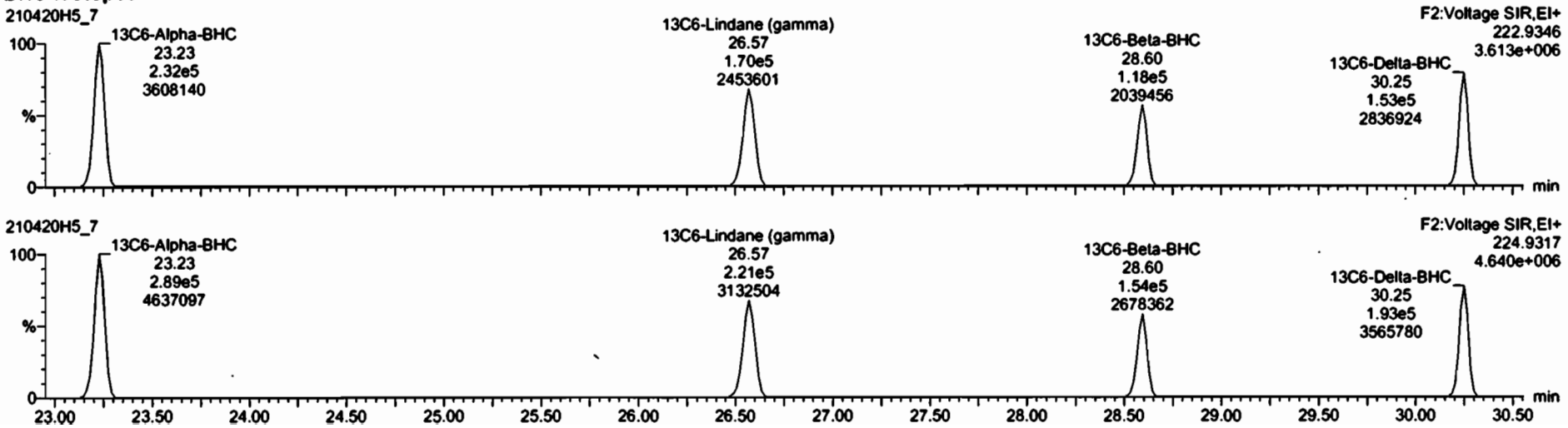
Last Altered: Wednesday, April 21, 2021 11:03:20 Pacific Daylight Time
Printed: Wednesday, April 21, 2021 11:04:48 Pacific Daylight Time

Name: 210420H5_7, Date: 20-Apr-2021, Time: 23:03:52, ID: SS210420H5_1 1699 SS 20B2107, Description: 1699 SS 20B2107

BHC Totals



BHC-isotopes



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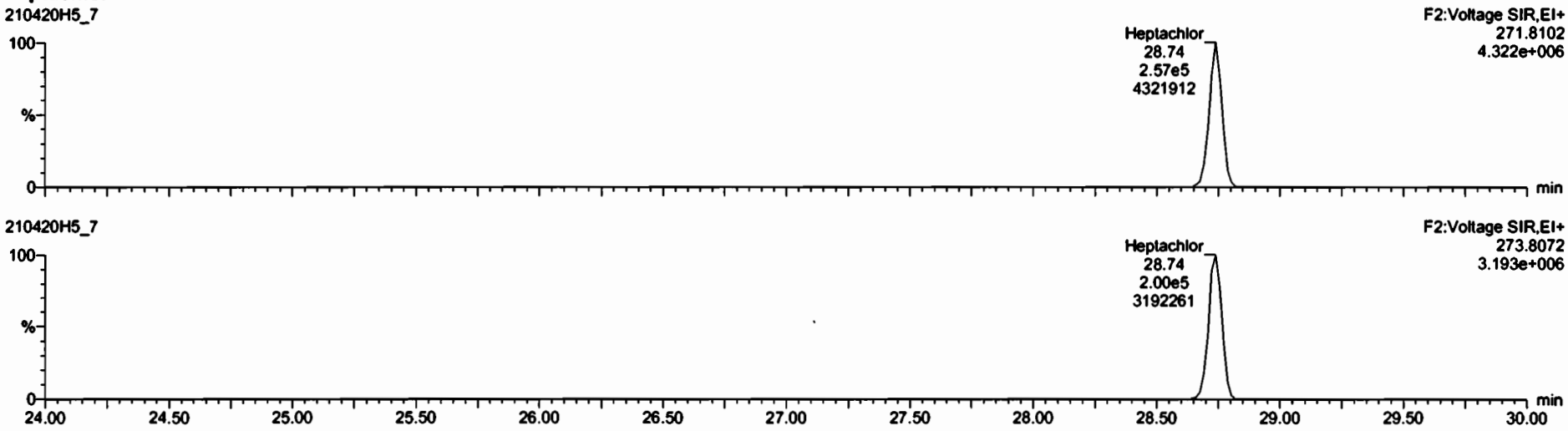
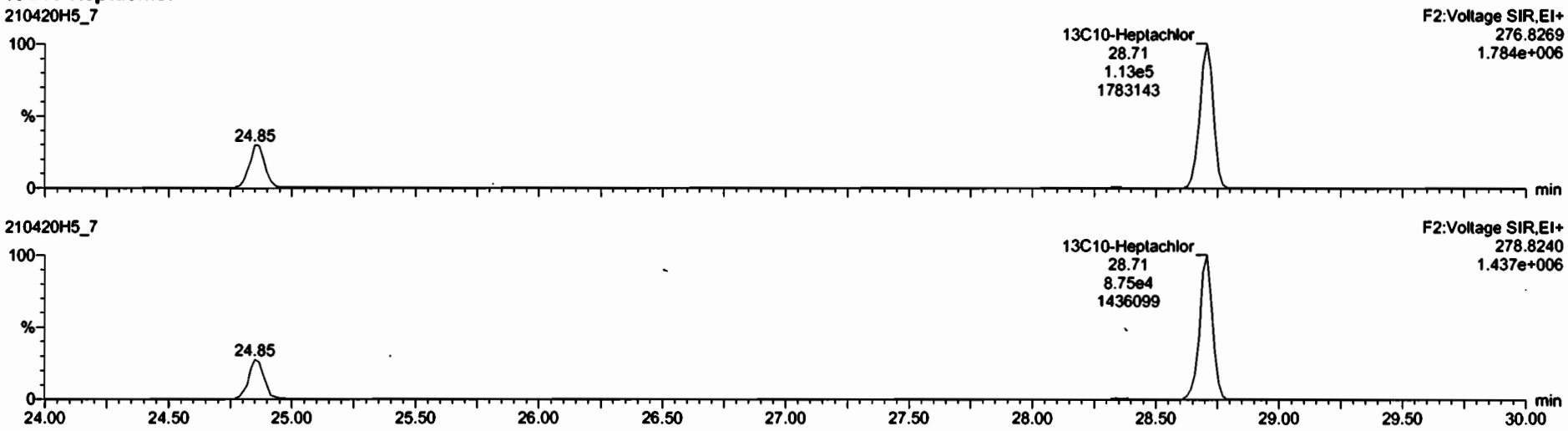
Last Altered: Wednesday, April 21, 2021 11:03:20 Pacific Daylight Time
Printed: Wednesday, April 21, 2021 11:04:48 Pacific Daylight Time

Name: 210420H5_7, Date: 20-Apr-2021, Time: 23:03:52, ID: SS210420H5_1 1699 SS 20B2107, Description: 1699 SS 20B2107

Heptachlor



13C10-Heptachlor



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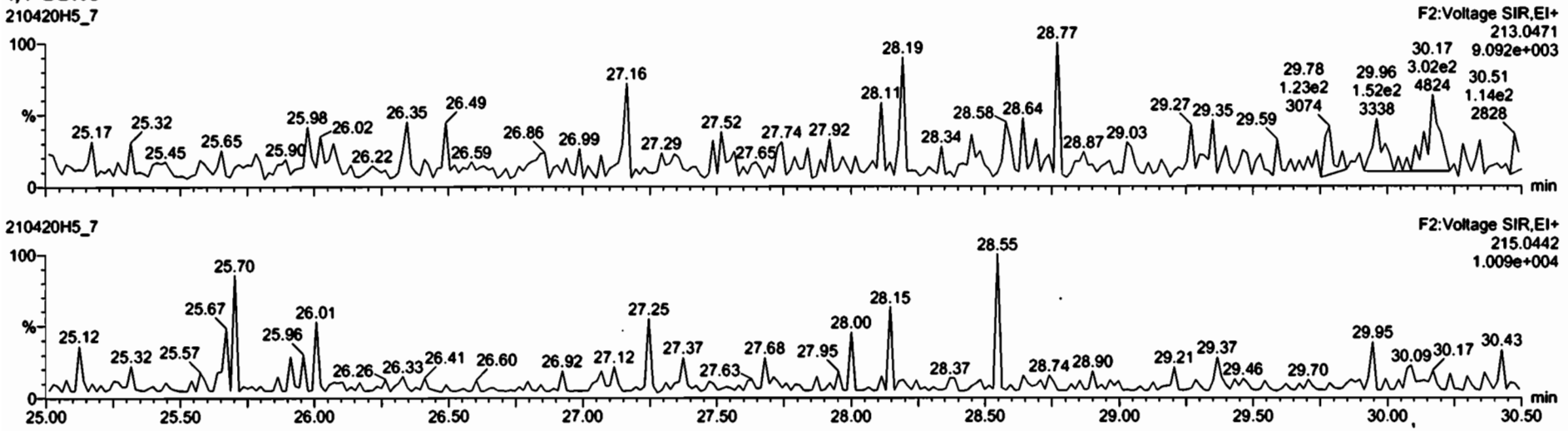
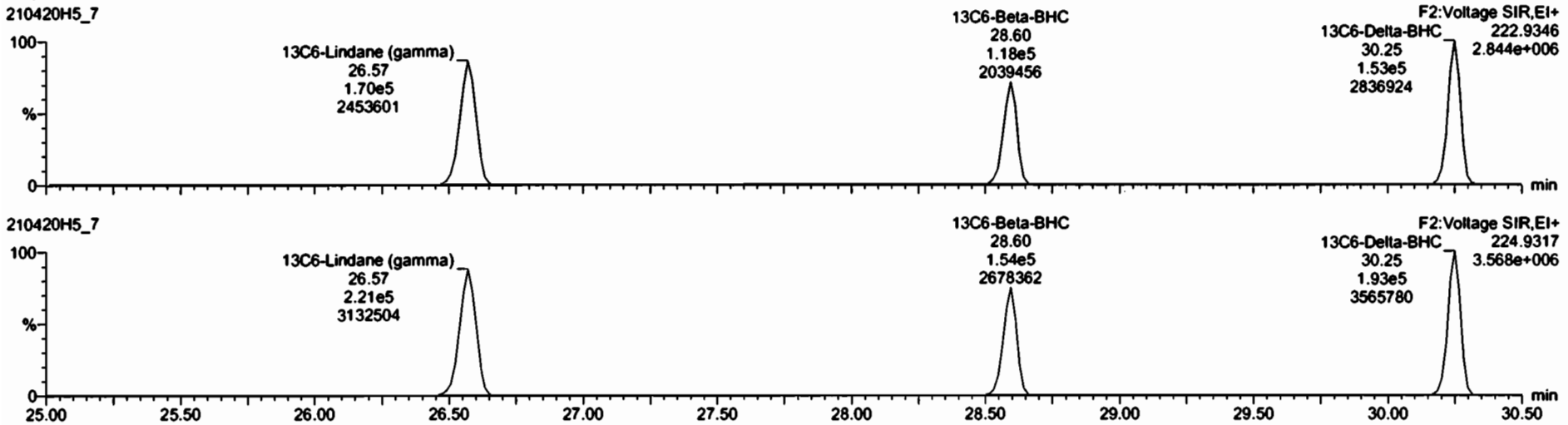
Printed: Wednesday, April 21, 2021 11:04:48 Pacific Daylight Time

Name: 210420H5_7, Date: 20-Apr-2021, Time: 23:03:52, ID: SS210420H5_1 1699 SS 20B2107, Description: 1699 SS 20B2107

4,4'-DDNU



13C6-Delta-BHC



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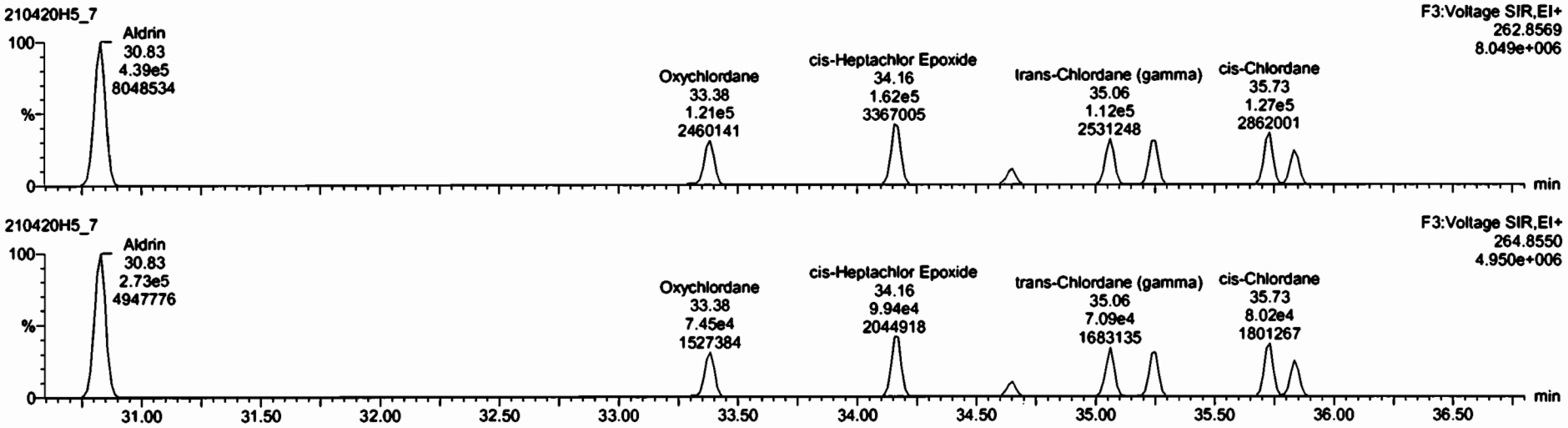
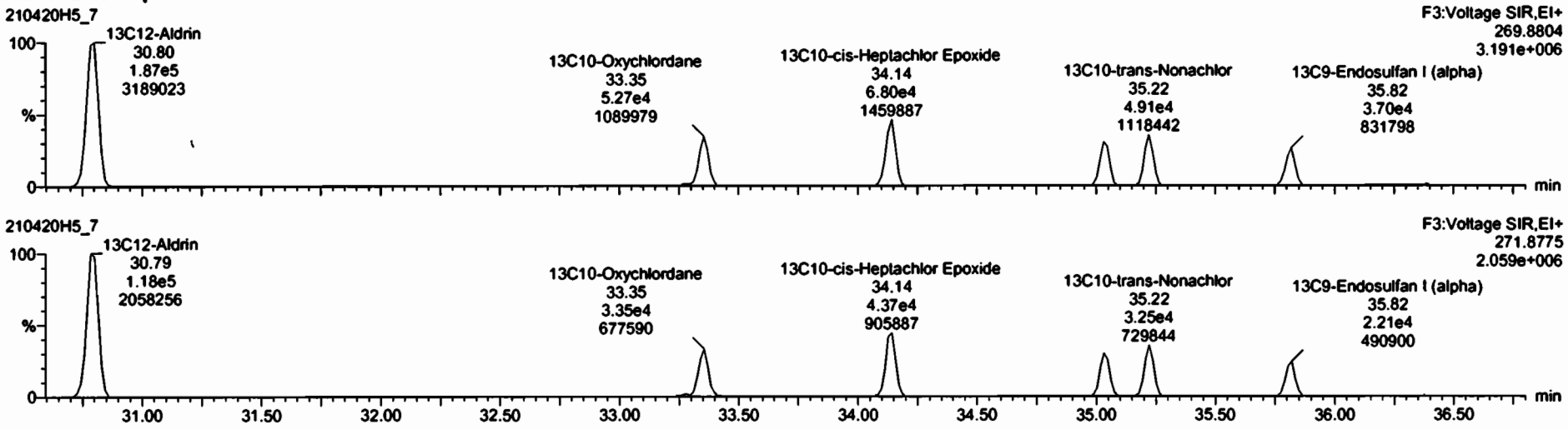
Last Altered: Wednesday, April 21, 2021 11:03:20 Pacific Daylight Time
Printed: Wednesday, April 21, 2021 11:04:48 Pacific Daylight Time

Name: 210420H5_7, Date: 20-Apr-2021, Time: 23:03:52, ID: SS210420H5_1 1699 SS 20B2107, Description: 1699 SS 20B2107

Aldrin-EI



Aldrin-EI-isotopes



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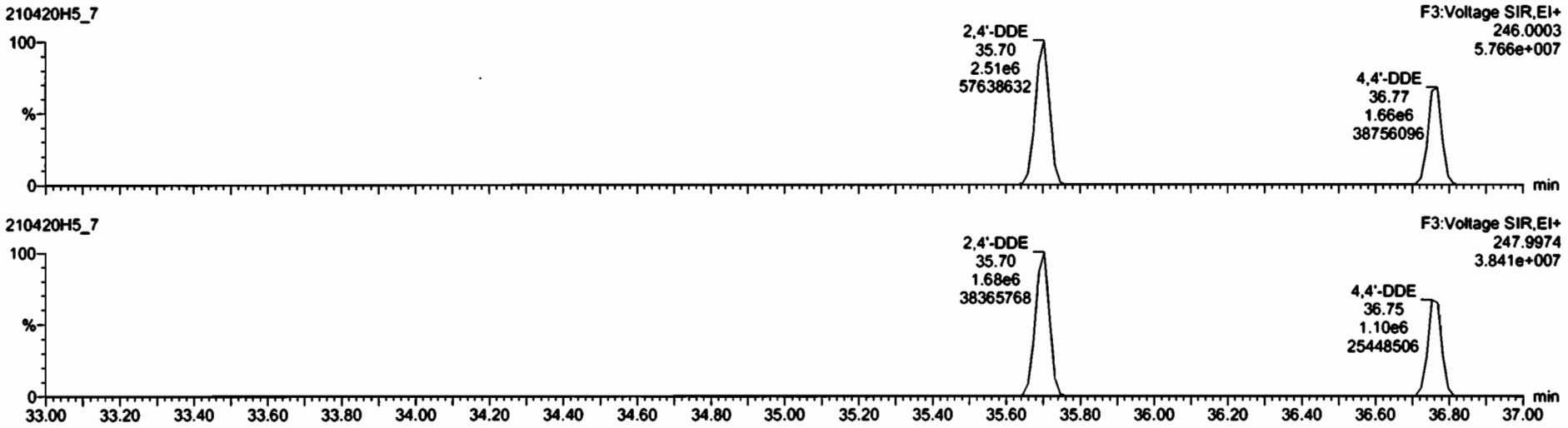
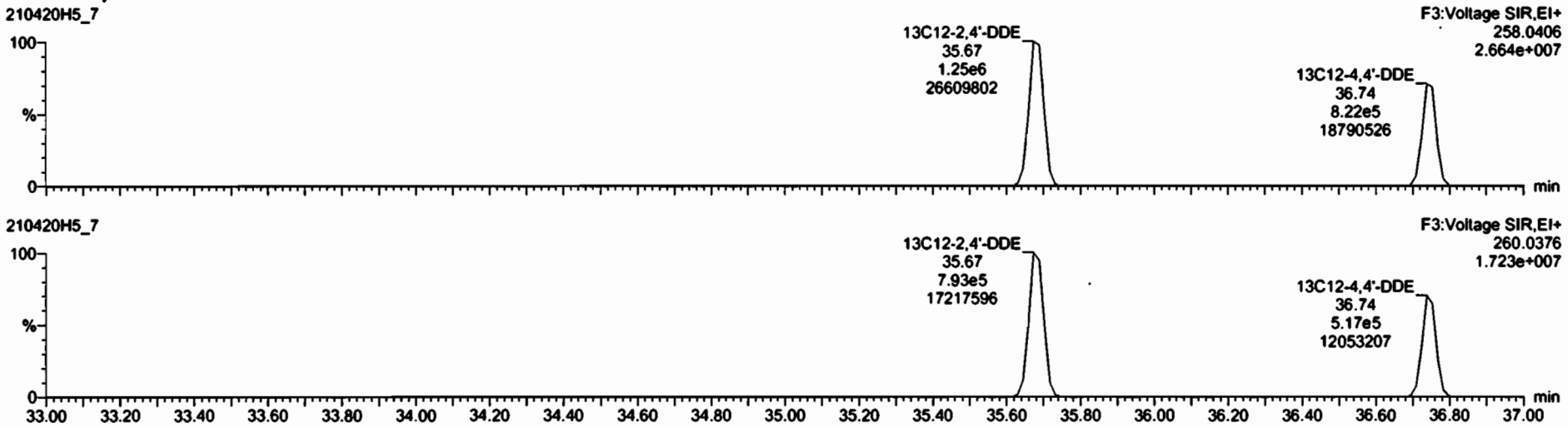
Name: 210420H5_7, Date: 20-Apr-2021, Time: 23:03:52, ID: SS210420H5_1 1699 SS 20B2107, Description: 1699 SS 20B2107

DDMU-DDE



DDE-Isotopes



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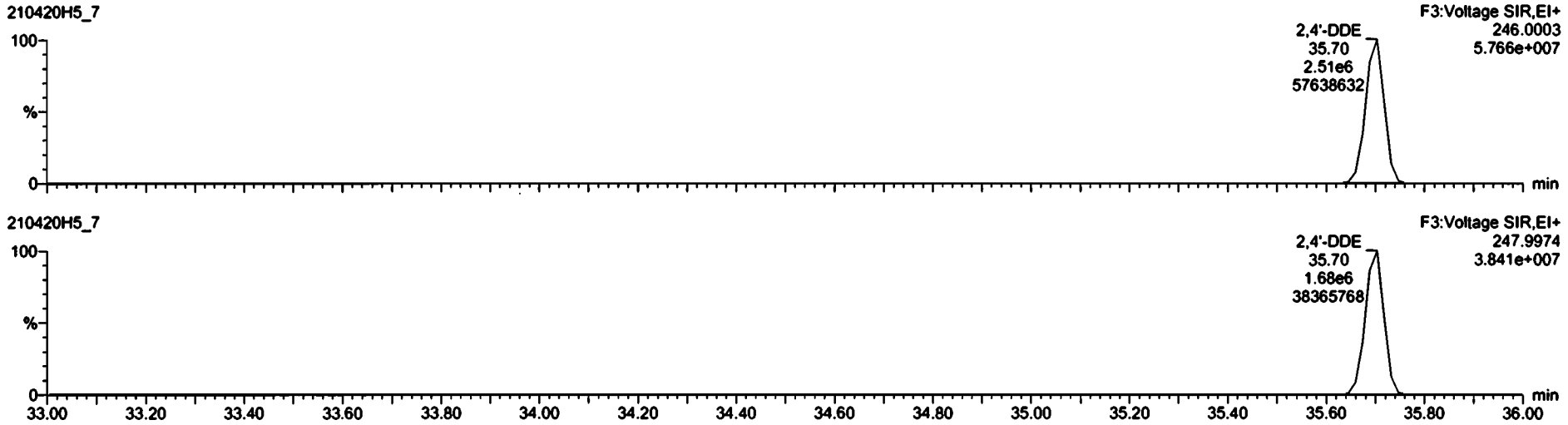
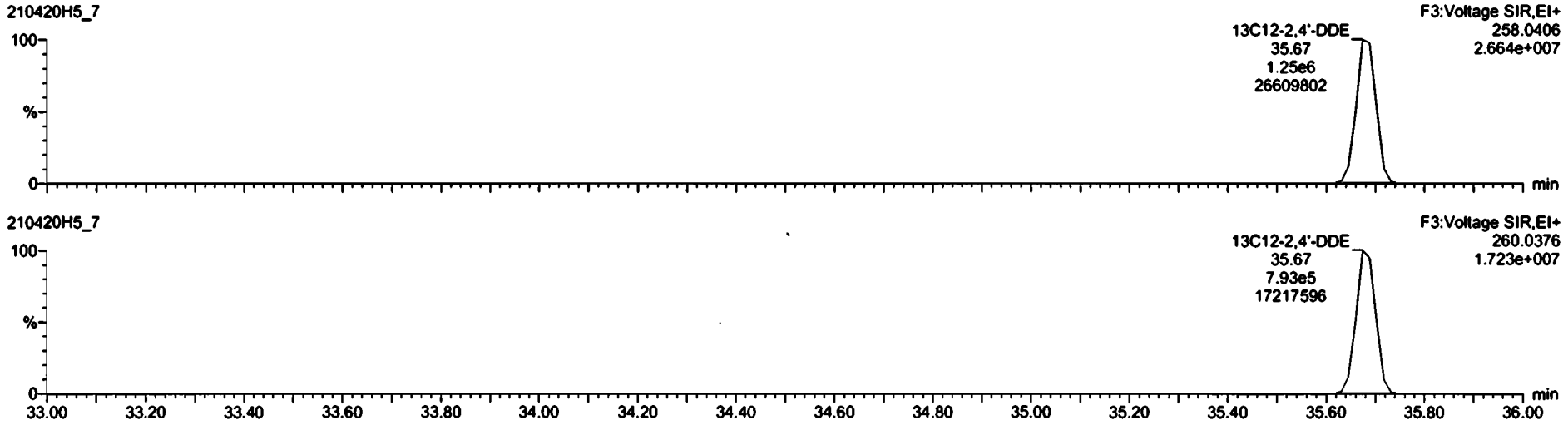
Name: 210420H5_7, Date: 20-Apr-2021, Time: 23:03:52, ID: SS210420H5_1 1699 SS 20B2107, Description: 1699 SS 20B2107

2,4'-DDE



13C12-2,4'-DDE



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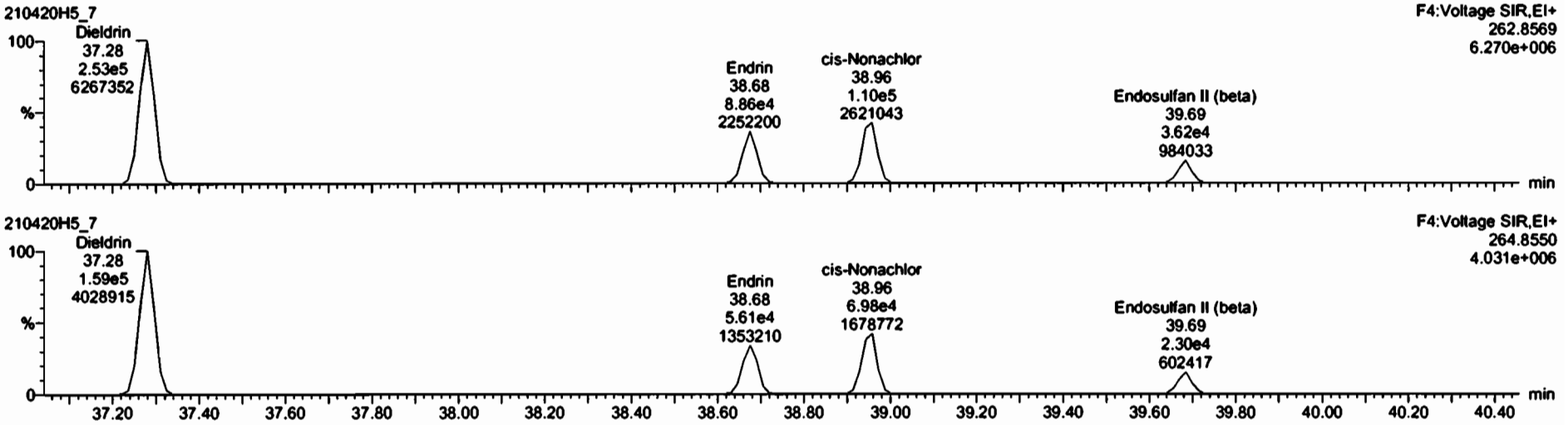
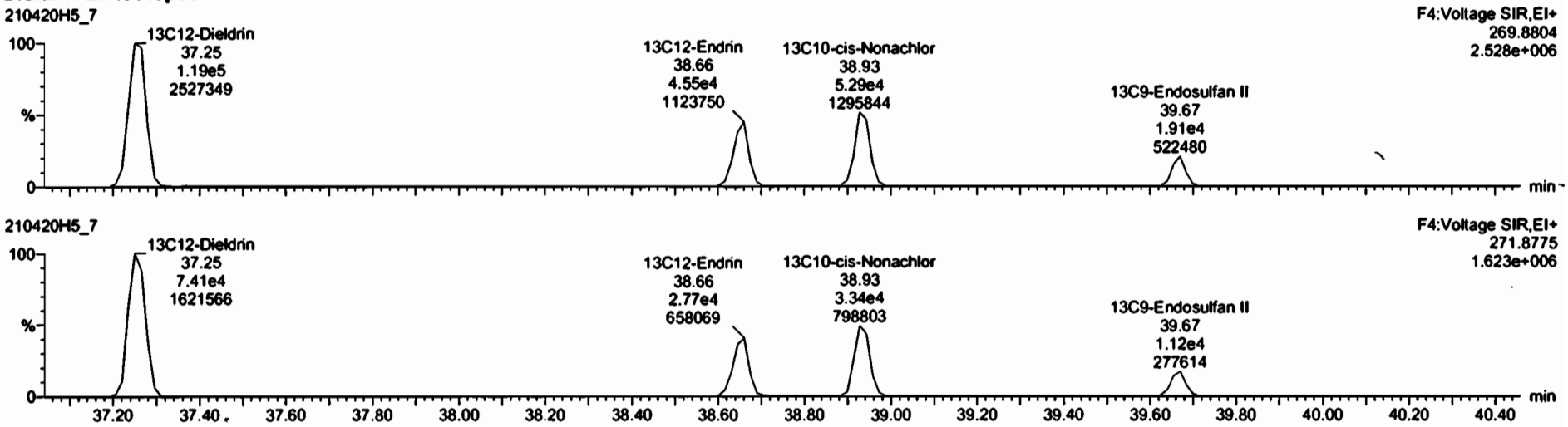
Name: 210420H5_7, Date: 20-Apr-2021, Time: 23:03:52, ID: SS210420H5_1 1699 SS 20B2107, Description: 1699 SS 20B2107

Dieldrin-EII



Dieldrin-EII-isotopes



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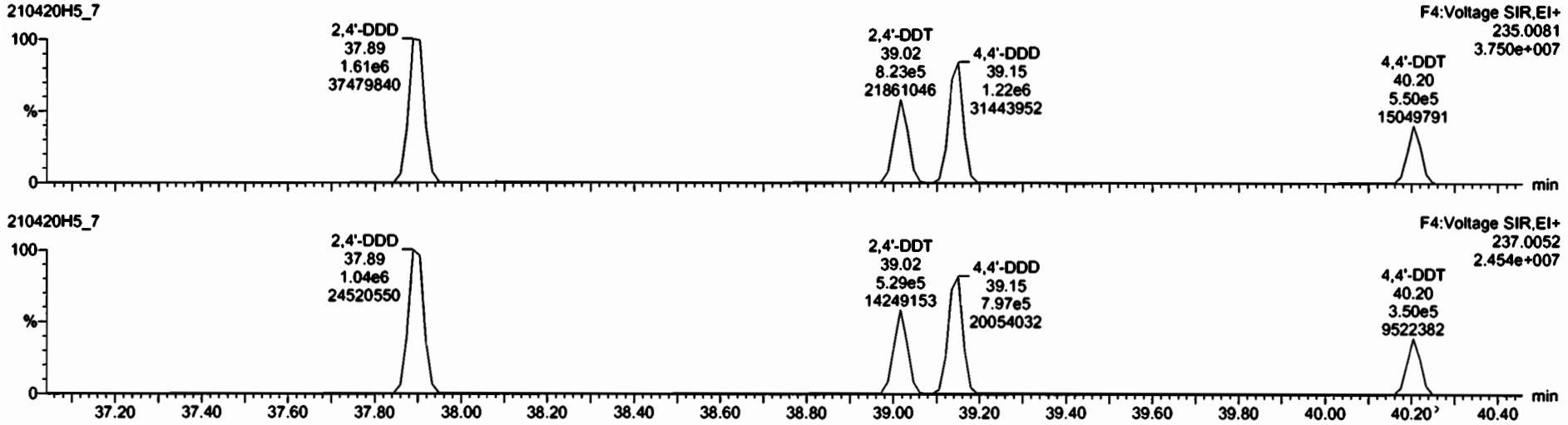
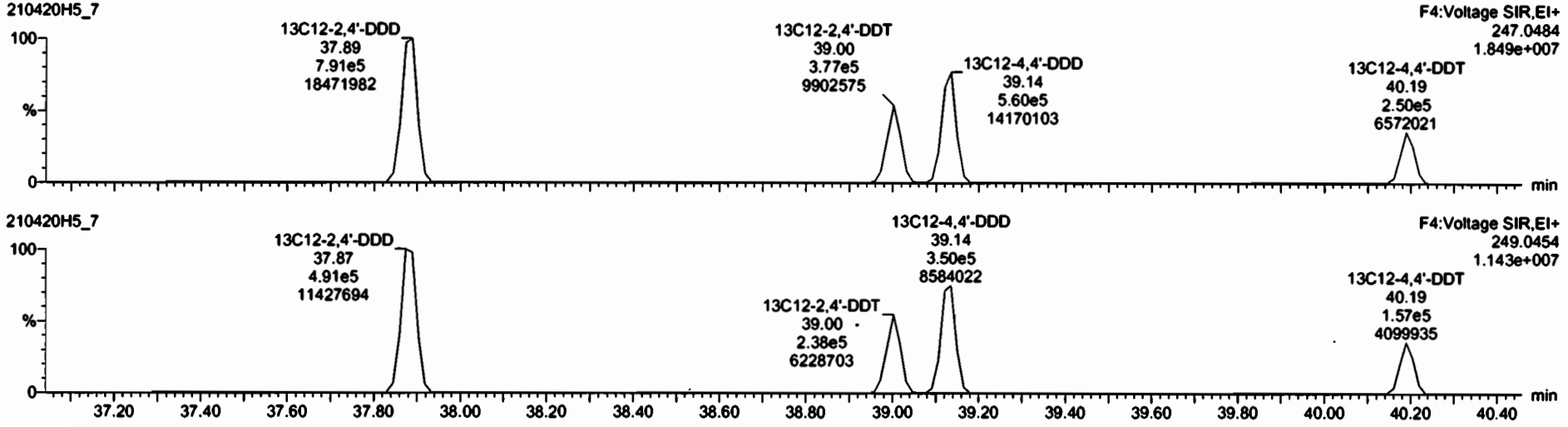
Name: 210420H5_7, Date: 20-Apr-2021, Time: 23:03:52, ID: SS210420H5_1 1699 SS 20B2107, Description: 1699 SS 20B2107

DDD-DDT



DDD-DDT-isotopes



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Last Altered: Wednesday, April 21, 2021 11:03:20 Pacific Daylight Time
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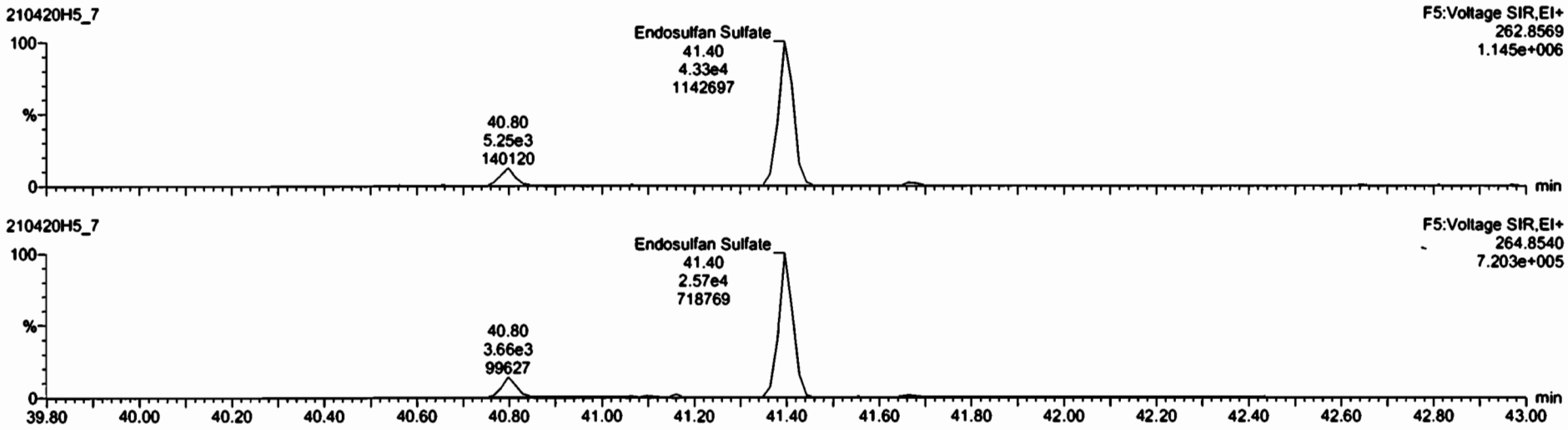
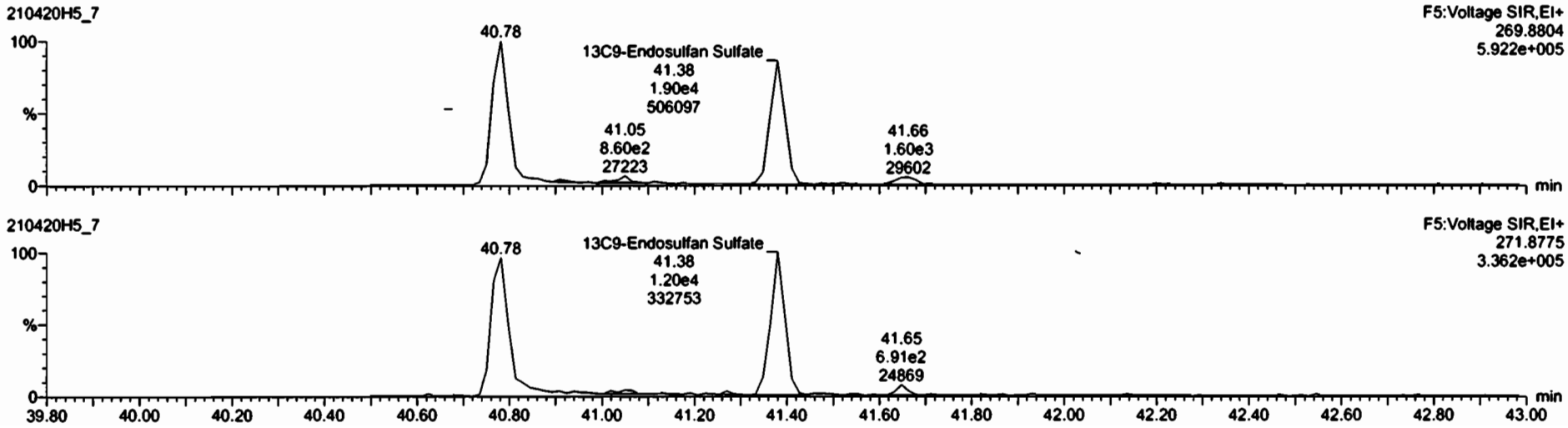
Name: 210420H5_7, Date: 20-Apr-2021, Time: 23:03:52, ID: SS210420H5_1 1699 SS 20B2107, Description: 1699 SS 20B2107

Endosulfan Sulfate



13C9-Endosulfan Sulfate



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Last Altered: Wednesday, April 21, 2021 11:03:20 Pacific Daylight Time
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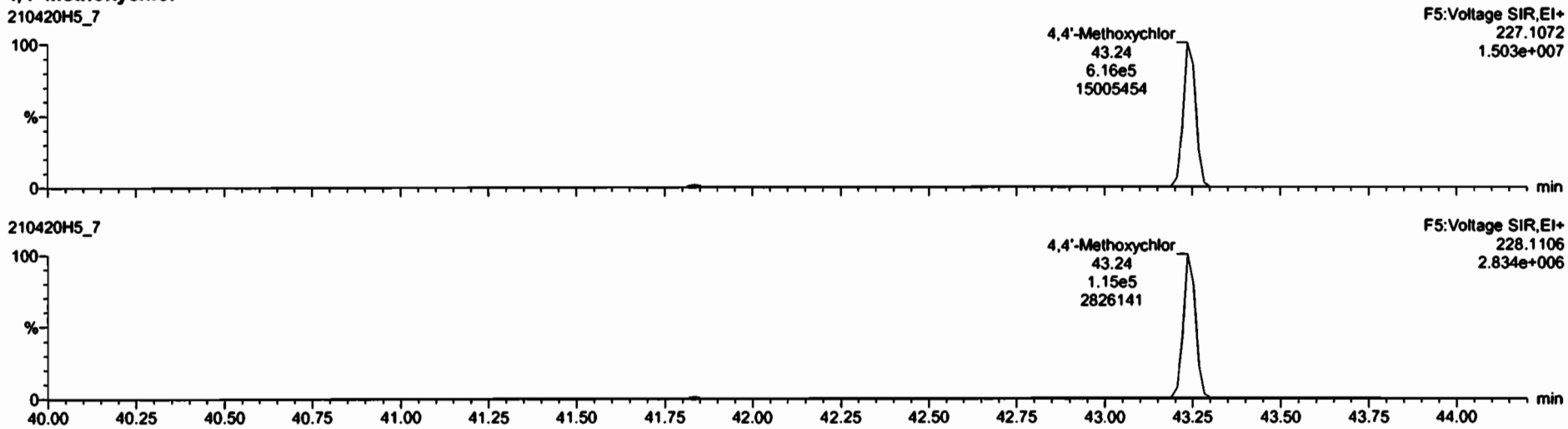
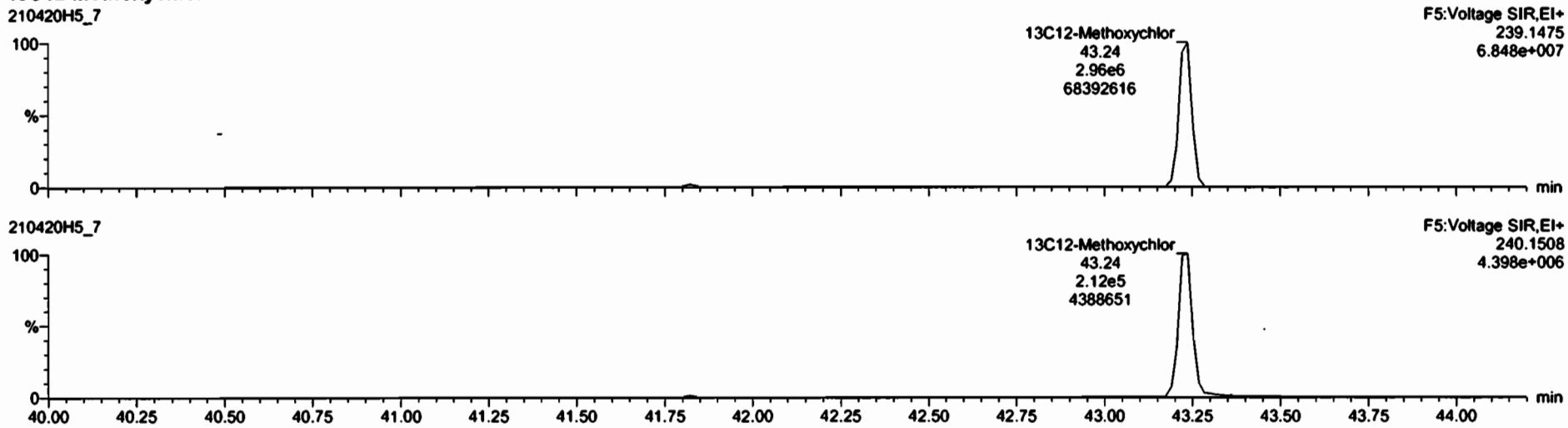
Name: 210420H5_7, Date:`20-Apr-2021, Time: 23:03:52, ID: SS210420H5_1 1699 SS 20B2107, Description: 1699 SS 20B2107

4,4'-Methoxychlor



13C12-Methoxychlor



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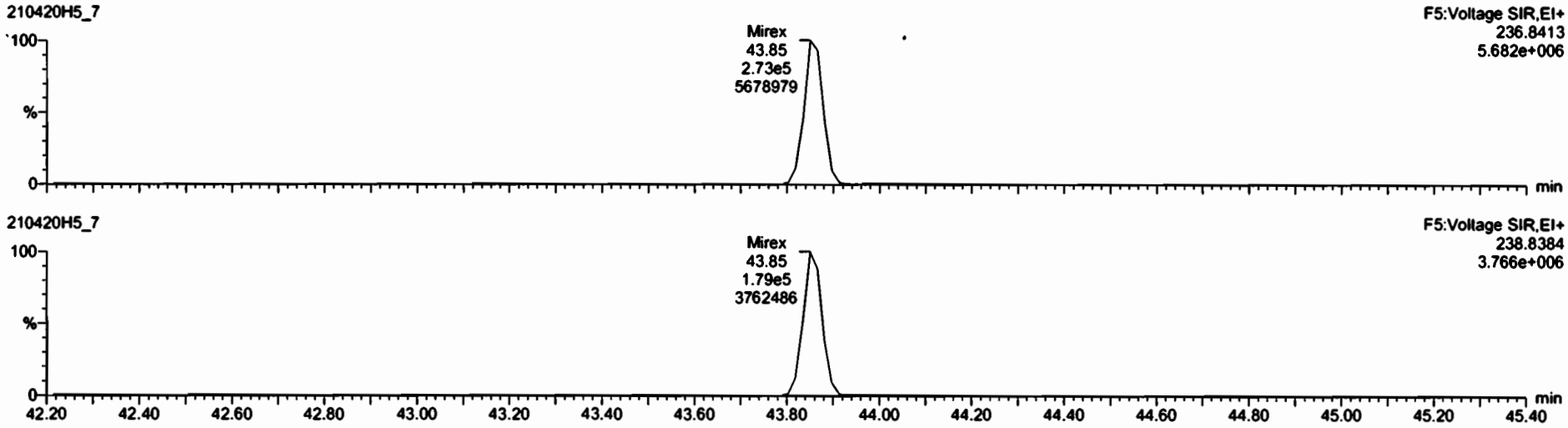
Last Altered: Wednesday, April 21, 2021 11:03:20 Pacific Daylight Time
Printed: Wednesday, April 21, 2021 11:04:48 Pacific Daylight Time

Name: 210420H5_7, Date: 20-Apr-2021, Time: 23:03:52, ID: SS210420H5_1 1699 SS 20B2107, Description: 1699 SS 20B2107

Mirex



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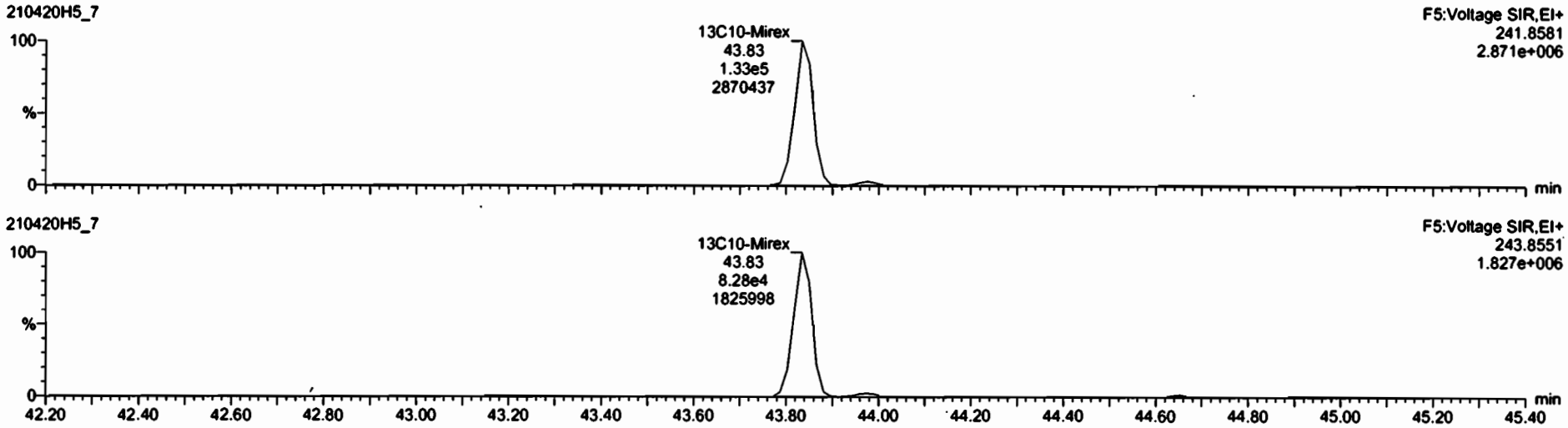

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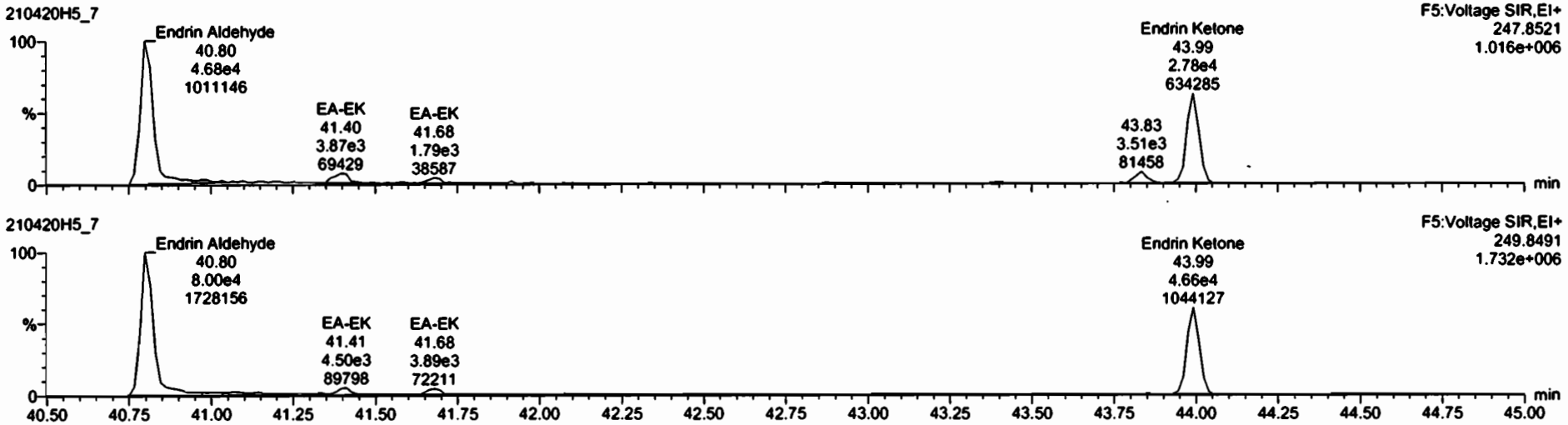
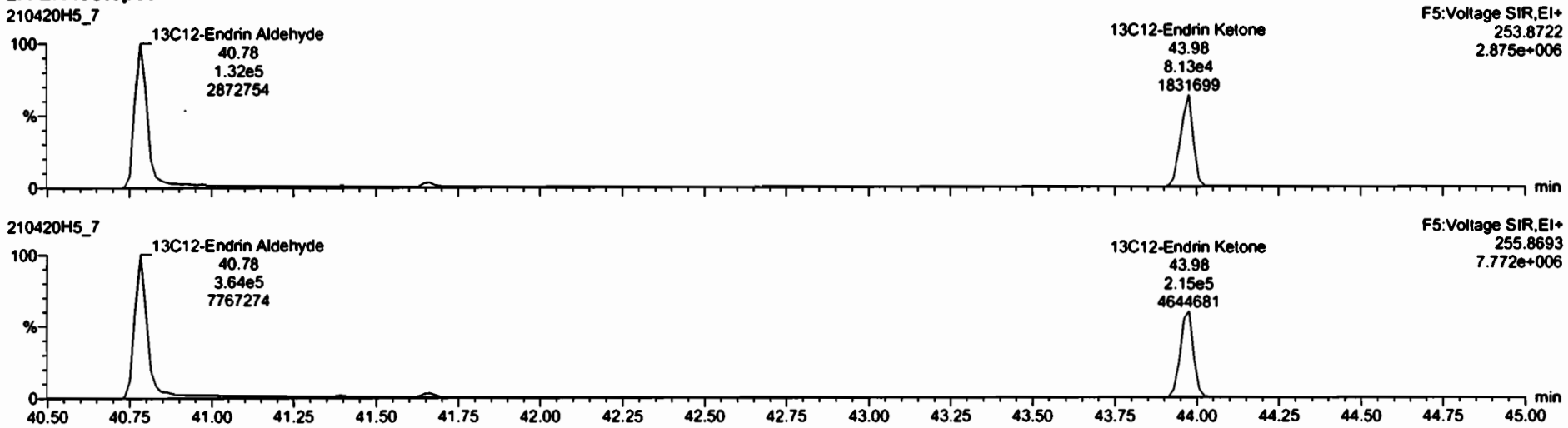
Printed: Wednesday, April 21, 2021 11:04:48 Pacific Daylight Time

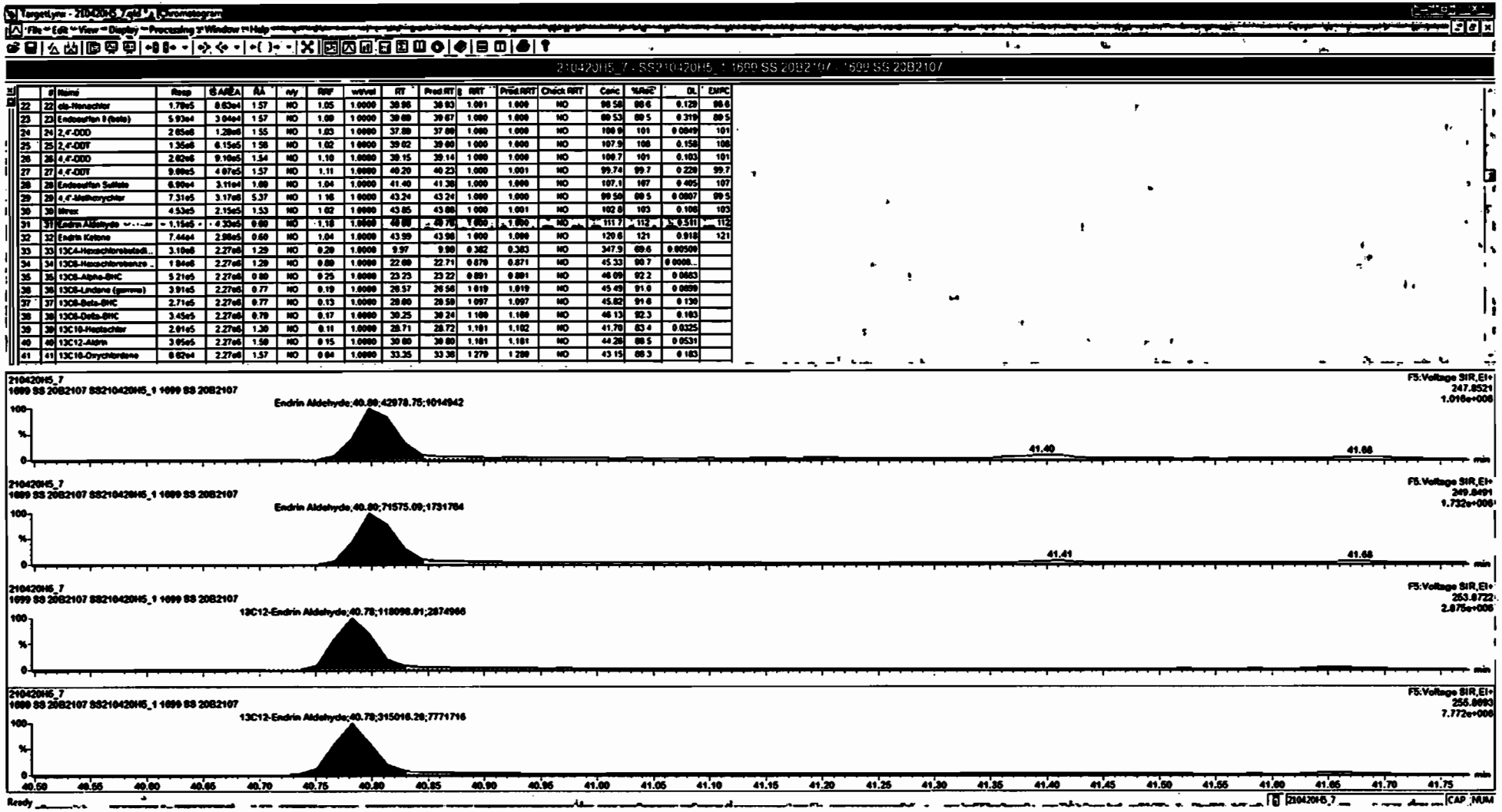
Name: 210420H5_7, Date: 20-Apr-2021, Time: 23:03:52, ID: SS210420H5_1 1699 SS 20B2107, Description: 1699 SS 20B2107

EA-EK



EA-EK-isotopes




TargetLynx - 210420H5_7.qld - Chromatogram
File Edit View Display Processing Window Help
210420H5_7 - SS210420H5_1 1699 SS 20B2107 - 1699 SS 20B2107
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Endrin Aldehyde;40.80;71575.09;1731764
13C12-Endrin Aldehyde;40.78;118098.81;2874966
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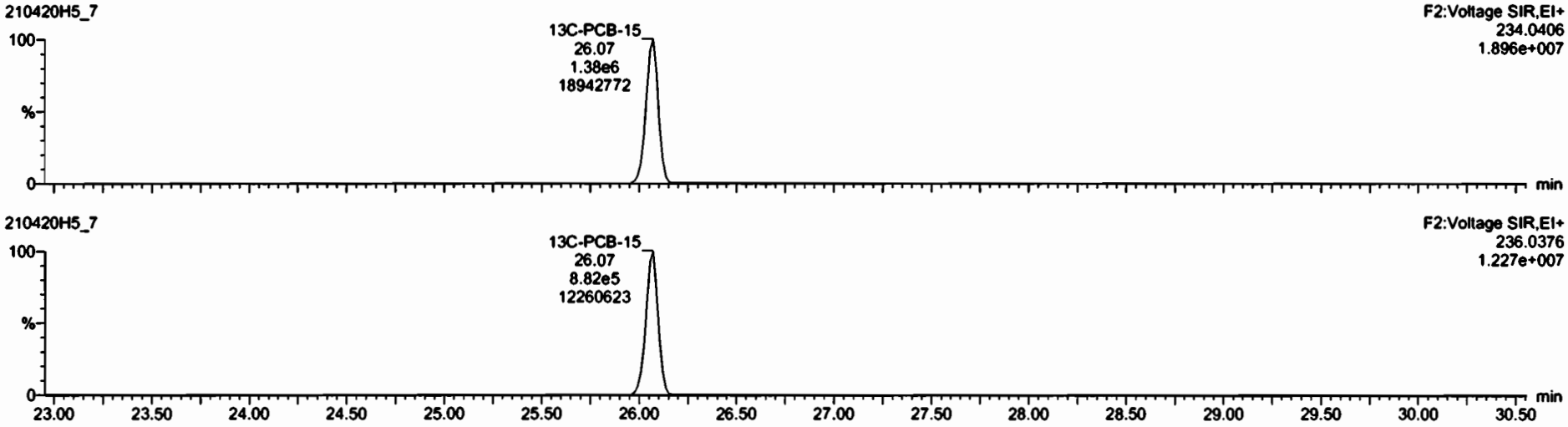
Ready

Dataset: U:\vg10.PRO\Results\210420H5\210420H5_7.qld

Last Altered: Wednesday, April 21, 2021 11:03:20 Pacific Daylight Time
Printed: Wednesday, April 21, 2021 11:04:48 Pacific Daylight Time

Name: 210420H5_7, Date: 20-Apr-2021, Time: 23:03:52, ID: SS210420H5_1 1699 SS 20B2107, Description: 1699 SS 20B2107

13C-PCB-15



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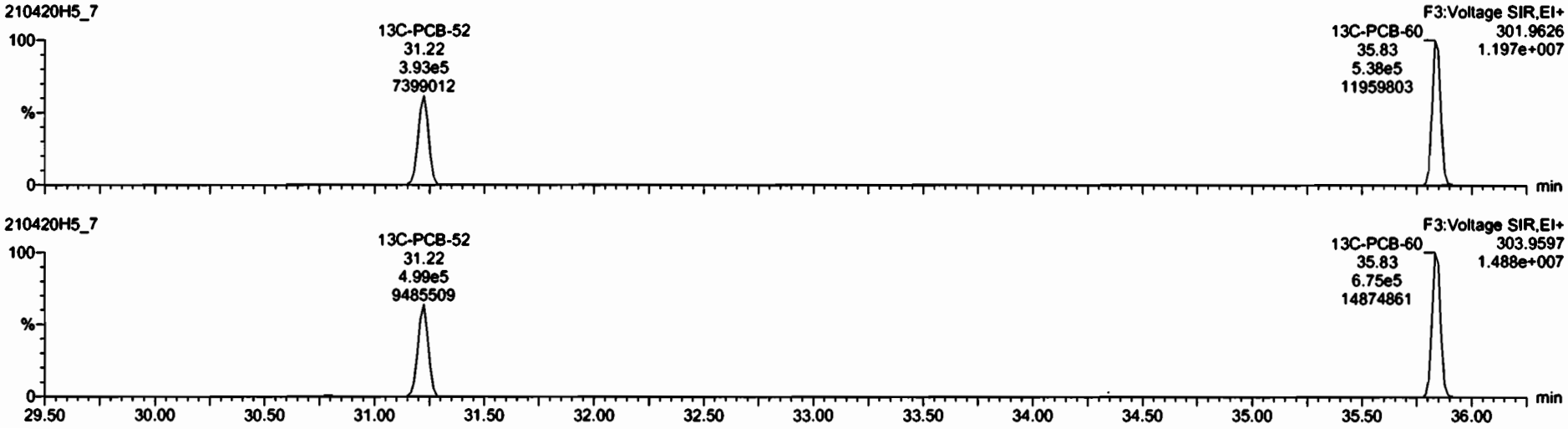

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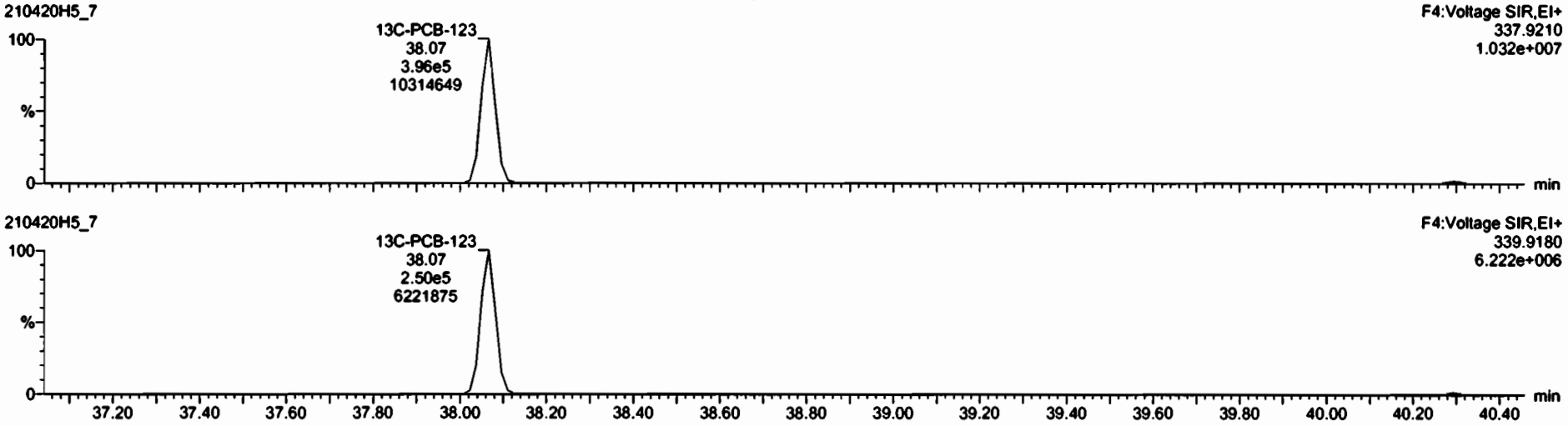
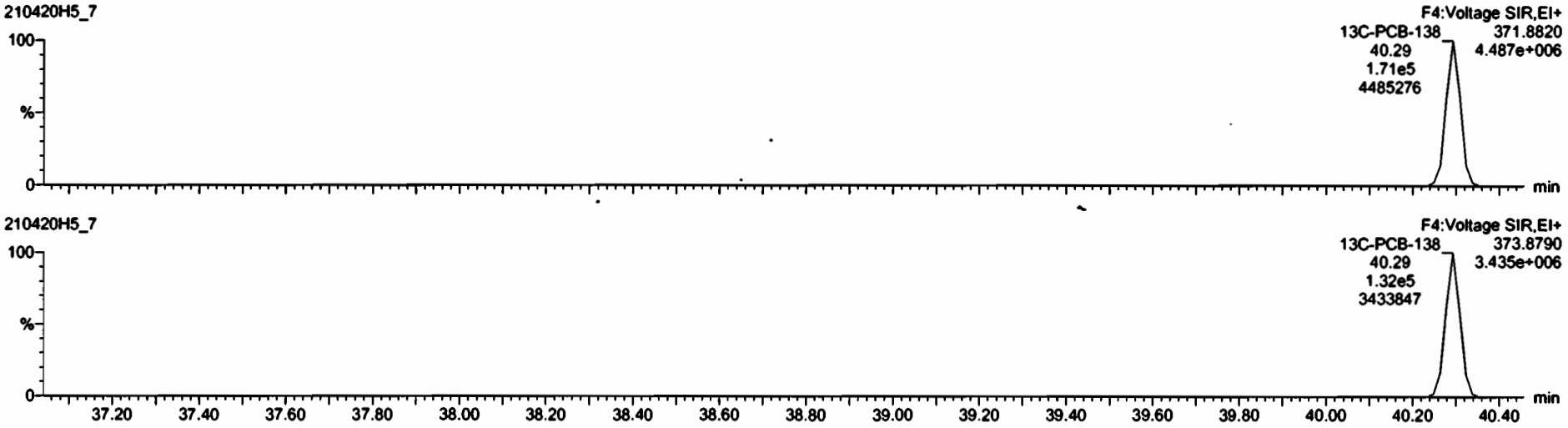
Name: 210420H5_7, Date: 20-Apr-2021, Time: 23:03:52, ID: SS210420H5_1 1699 SS 20B2107, Description: 1699 SS 20B2107

13C-PCB-123



13C-PCB-138



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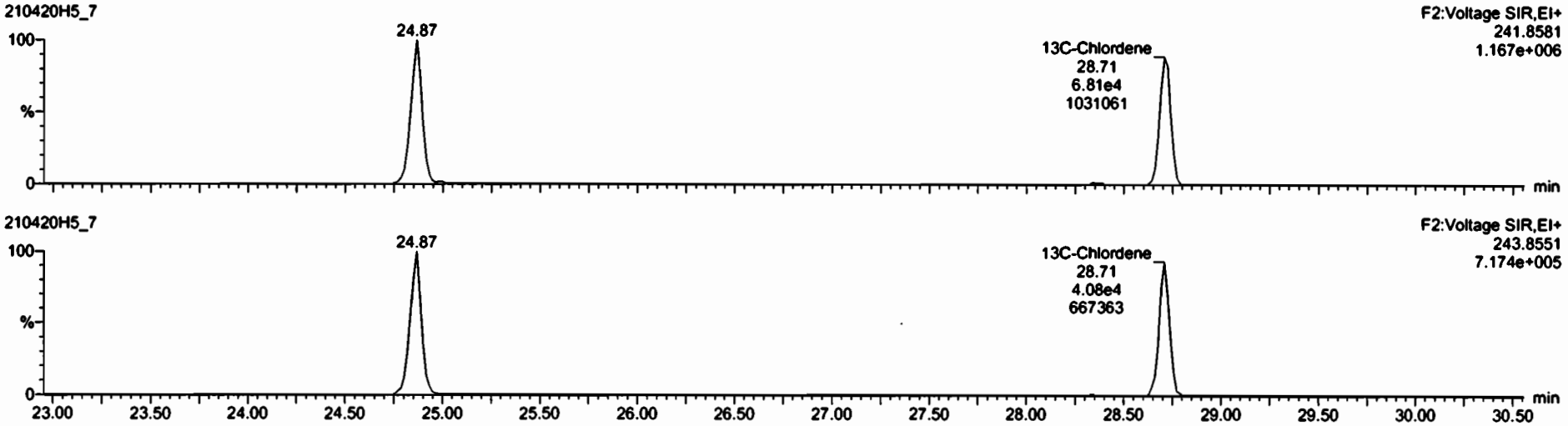
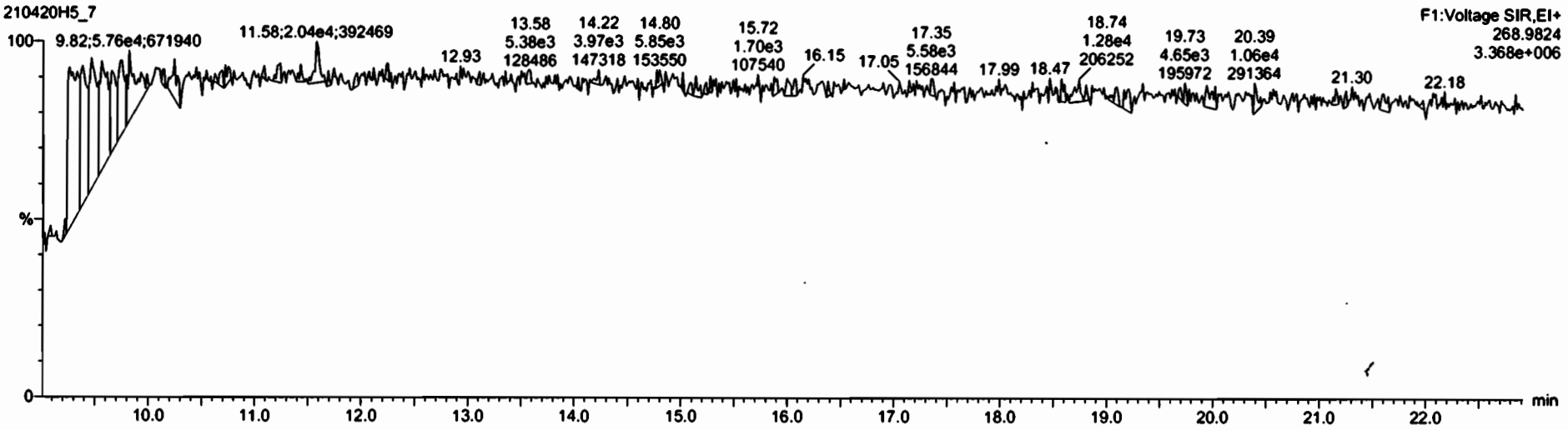
Last Altered: Wednesday, April 21, 2021 11:03:20 Pacific Daylight Time
Printed: Wednesday, April 21, 2021 11:04:48 Pacific Daylight Time

Name: 210420H5_7, Date: 20-Apr-2021, Time: 23:03:52, ID: SS210420H5_1 1699 SS 20B2107, Description: 1699 SS 20B2107

13C-Chlordene



PFK1



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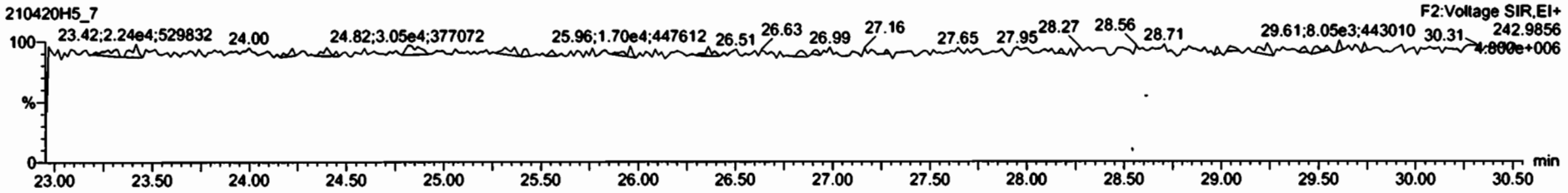
PFK2



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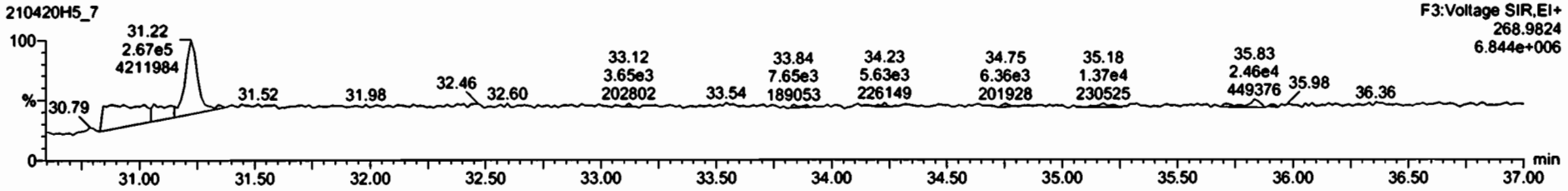

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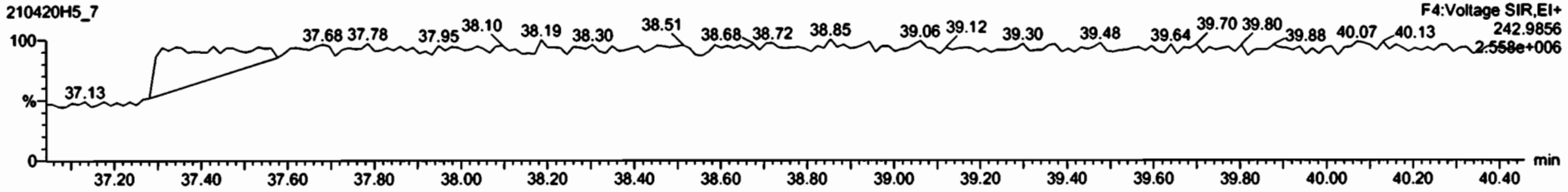
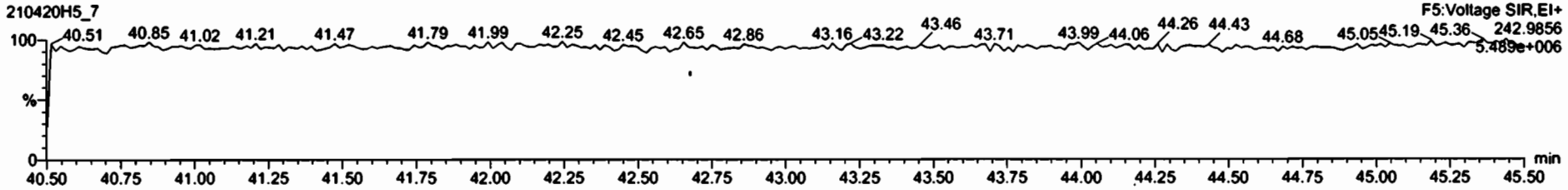
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