

November 16, 2020

Vista Work Order No. 2002298

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 October 28, 2020 under your Project Name 'GascoSiltronic: US Moorings'.

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

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

Sincerely,

Martha Maier
Laboratory Director



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

Vista Work Order No. 2002298

Case Narrative

Sample Condition on Receipt:

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

Analytical Notes:

EPA Method 1613B

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

Holding Times

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

Quality Control

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

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

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

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Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2002298-01	SC-FB-2010261145	26-Oct-20 11:45	28-Oct-20 10:12	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
2002298-02	SC-RB-2010261130	26-Oct-20 11:30	28-Oct-20 10:12	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L

ANALYTICAL RESULTS

Sample ID: Method Blank					EPA Method 1613B				
Matrix: Aqueous Sample Size: 1.00 L		QC Batch: B0K0008 Date Extracted: 03-Nov-2020 6:57		Lab Sample: B0K0008-BLK1 Date Analyzed: 12-Nov-20 10:06 Column: ZB-DIOXIN					
Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers	
2,3,7,8-TCDD	ND	0.278			IS 13C-2,3,7,8-TCDD	85.1	25 - 164		
1,2,3,7,8-PeCDD	ND	0.421			13C-1,2,3,7,8-PeCDD	87.8	25 - 181		
1,2,3,4,7,8-HxCDD	ND	0.504			13C-1,2,3,4,7,8-HxCDD	90.2	32 - 141		
1,2,3,6,7,8-HxCDD	ND	0.518			13C-1,2,3,6,7,8-HxCDD	92.6	28 - 130		
1,2,3,7,8,9-HxCDD	ND	0.574			13C-1,2,3,7,8,9-HxCDD	91.4	32 - 141		
1,2,3,4,6,7,8-HpCDD	ND	0.962			13C-1,2,3,4,6,7,8-HpCDD	75.8	23 - 140		
OCDD	ND	1.87			13C-OCDD	65.4	17 - 157		
2,3,7,8-TCDF	ND	0.309			13C-2,3,7,8-TCDF	85.5	24 - 169		
1,2,3,7,8-PeCDF	ND	0.323			13C-1,2,3,7,8-PeCDF	91.0	24 - 185		
2,3,4,7,8-PeCDF	ND	0.270			13C-2,3,4,7,8-PeCDF	94.4	21 - 178		
1,2,3,4,7,8-HxCDF	ND	0.592			13C-1,2,3,4,7,8-HxCDF	80.6	26 - 152		
1,2,3,6,7,8-HxCDF	ND	0.559			13C-1,2,3,6,7,8-HxCDF	82.5	26 - 123		
2,3,4,6,7,8-HxCDF	ND	0.678			13C-2,3,4,6,7,8-HxCDF	81.7	28 - 136		
1,2,3,7,8,9-HxCDF	ND	1.14			13C-1,2,3,7,8,9-HxCDF	74.4	29 - 147		
1,2,3,4,6,7,8-HpCDF	3.73			J	13C-1,2,3,4,6,7,8-HpCDF	69.3	28 - 143		
1,2,3,4,7,8,9-HpCDF	2.20			J	13C-1,2,3,4,7,8,9-HpCDF	65.9	26 - 138		
OCDF	17.8			J	13C-OCDF	62.3	17 - 157		
					CRS 37Cl-2,3,7,8-TCDD	93.3	35 - 197		
					Toxic Equivalent Quotient (TEQ) Data (pg/L)				
					TEQMinWHO2005Dioxin		0.0646		
TOTALS									
Total TCDD	ND	0.278							
Total PeCDD	ND	0.421							
Total HxCDD	ND	0.574							
Total HpCDD	ND	0.962							
Total TCDF	ND	0.309							
Total PeCDF	ND	0.323							
Total HxCDF	2.20		3.04	J					
Total HpCDF	13.4			J					

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

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

Sample ID: OPR					EPA Method 1613B		
Matrix: Aqueous Sample Size: 1.00 L		QC Batch: B0K0008 Date Extracted: 03-Nov-2020 6:57		Lab Sample: B0K0008-BS1 Date Analyzed: 12-Nov-20 08:36 Column: ZB-DIOXIN			
Analyte	Amt Found (pg/L)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
2,3,7,8-TCDD	194	200	97.2	67 - 158	IS 13C-2,3,7,8-TCDD	86.5	20 - 175
1,2,3,7,8-PeCDD	997	1000	99.7	70 - 142	13C-1,2,3,7,8-PeCDD	93.2	21 - 227
1,2,3,4,7,8-HxCDD	958	1000	95.8	70 - 164	13C-1,2,3,4,7,8-HxCDD	92.6	21 - 193
1,2,3,6,7,8-HxCDD	921	1000	92.1	76 - 134	13C-1,2,3,6,7,8-HxCDD	97.6	25 - 163
1,2,3,7,8,9-HxCDD	946	1000	94.6	64 - 162	13C-1,2,3,7,8,9-HxCDD	90.9	21 - 193
1,2,3,4,6,7,8-HpCDD	938	1000	93.8	70 - 140	13C-1,2,3,4,6,7,8-HpCDD	80.1	26 - 166
OCDD	1840	2000	92.2	78 - 144	13C-OCDD	73.9	13 - 199
2,3,7,8-TCDF	177	200	88.3	75 - 158	13C-2,3,7,8-TCDF	87.2	22 - 152
1,2,3,7,8-PeCDF	934	1000	93.4	80 - 134	13C-1,2,3,7,8-PeCDF	98.2	21 - 192
2,3,4,7,8-PeCDF	932	1000	93.2	68 - 160	13C-2,3,4,7,8-PeCDF	99.3	13 - 328
1,2,3,4,7,8-HxCDF	918	1000	91.8	72 - 134	13C-1,2,3,4,7,8-HxCDF	82.0	19 - 202
1,2,3,6,7,8-HxCDF	924	1000	92.4	84 - 130	13C-1,2,3,6,7,8-HxCDF	83.6	21 - 159
2,3,4,6,7,8-HxCDF	902	1000	90.2	70 - 156	13C-2,3,4,6,7,8-HxCDF	86.7	22 - 176
1,2,3,7,8,9-HxCDF	935	1000	93.5	78 - 130	13C-1,2,3,7,8,9-HxCDF	77.9	17 - 205
1,2,3,4,6,7,8-HpCDF	928	1000	92.8	82 - 122	13C-1,2,3,4,6,7,8-HpCDF	73.7	21 - 158
1,2,3,4,7,8,9-HpCDF	931	1000	93.1	78 - 138	13C-1,2,3,4,7,8,9-HpCDF	69.1	20 - 186
OCDF	1840	2000	91.8	63 - 170	13C-OCDF	70.0	13 - 199
					CRS 37Cl-2,3,7,8-TCDD	91.7	31 - 191

LCL-UCL - Lower control limit - upper control limit

Sample ID: SC-FB-2010261145 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: QC Water	Lab Sample: 2002298-01 Date Received: 28-Oct-2020 10:12
Project: GascoSiltronic: US Moorings	Sample Size: 1.04 L	QC Batch: B0K0008 Date Extracted: 03-Nov-2020 6:57
Date Collected: 26-Oct-2020 11:45		Date Analyzed: 13-Nov-20 14:39 Column: ZB-DIOXIN

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.274			IS 13C-2,3,7,8-TCDD	81.2	25 - 164	
1,2,3,7,8-PeCDD	ND	0.448			13C-1,2,3,7,8-PeCDD	77.0	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.651			13C-1,2,3,4,7,8-HxCDD	77.6	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.660			13C-1,2,3,6,7,8-HxCDD	77.9	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.812			13C-1,2,3,7,8,9-HxCDD	70.9	32 - 141	
1,2,3,4,6,7,8-HpCDD	ND	0.686			13C-1,2,3,4,6,7,8-HpCDD	62.0	23 - 140	
OCDD	ND	2.99			13C-OCDD	40.5	17 - 157	
2,3,7,8-TCDF	ND	0.157			13C-2,3,7,8-TCDF	82.4	24 - 169	
1,2,3,7,8-PeCDF	ND	0.173			13C-1,2,3,7,8-PeCDF	84.5	24 - 185	
2,3,4,7,8-PeCDF	ND	0.159			13C-2,3,4,7,8-PeCDF	85.8	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.223			13C-1,2,3,4,7,8-HxCDF	71.9	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.214			13C-1,2,3,6,7,8-HxCDF	73.9	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.265			13C-2,3,4,6,7,8-HxCDF	72.0	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.408			13C-1,2,3,7,8,9-HxCDF	70.6	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.406			13C-1,2,3,4,6,7,8-HpCDF	61.6	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.448			13C-1,2,3,4,7,8,9-HpCDF	59.9	26 - 138	
OCDF	ND	1.10			13C-OCDF	46.6	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	94.9	35 - 197	

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

TEQMinWHO2005Dioxin 0.00

TOTALS								
Total TCDD	ND	0.274						
Total PeCDD	ND	0.448						
Total HxCDD	ND	0.812						
Total HpCDD	ND	0.686						
Total TCDF	ND		0.200					
Total PeCDF	ND	0.173						
Total HxCDF	ND	0.408						
Total HpCDF	ND	0.448						

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

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

Sample ID: SC-RB-2010261130 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: QC Water	Lab Sample: 2002298-02 Date Received: 28-Oct-2020 10:12
Project: GascoSiltronic: US Moorings	Sample Size: 1.04 L	QC Batch: B0K0008 Date Extracted: 03-Nov-2020 6:57
Date Collected: 26-Oct-2020 11:30		Date Analyzed: 13-Nov-20 15:24 Column: ZB-DIOXIN

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.745			IS 13C-2,3,7,8-TCDD	82.9	25 - 164	
1,2,3,7,8-PeCDD	ND	0.322			13C-1,2,3,7,8-PeCDD	83.5	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.525			13C-1,2,3,4,7,8-HxCDD	83.8	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.510			13C-1,2,3,6,7,8-HxCDD	86.1	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.581			13C-1,2,3,7,8,9-HxCDD	85.1	32 - 141	
1,2,3,4,6,7,8-HpCDD	ND	0.688			13C-1,2,3,4,6,7,8-HpCDD	74.7	23 - 140	
OCDD	ND	2.02			13C-OCDD	60.7	17 - 157	
2,3,7,8-TCDF	ND	0.547			13C-2,3,7,8-TCDF	83.1	24 - 169	
1,2,3,7,8-PeCDF	ND	0.254			13C-1,2,3,7,8-PeCDF	90.3	24 - 185	
2,3,4,7,8-PeCDF	ND	0.215			13C-2,3,4,7,8-PeCDF	91.8	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.290			13C-1,2,3,4,7,8-HxCDF	77.2	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.282			13C-1,2,3,6,7,8-HxCDF	80.1	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.302			13C-2,3,4,6,7,8-HxCDF	83.0	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.491			13C-1,2,3,7,8,9-HxCDF	81.1	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.353			13C-1,2,3,4,6,7,8-HpCDF	71.3	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.378			13C-1,2,3,4,7,8,9-HpCDF	69.4	26 - 138	
OCDF	ND	1.04			13C-OCDF	64.0	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	94.9	35 - 197	

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

TEQMinWHO2005Dioxin 0.00

TOTALS			
Total TCDD	ND	0.745	
Total PeCDD	ND	0.322	
Total HxCDD	ND	0.581	
Total HpCDD	ND	0.688	
Total TCDF	ND	0.547	
Total PeCDF	ND	0.254	
Total HxCDF	ND	0.491	
Total HpCDF	ND	0.378	

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

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

DATA QUALIFIERS & ABBREVIATIONS

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

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

Vista Analytical Laboratory Certifications

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

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

NELAP Accredited Test Methods

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

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

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

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

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

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

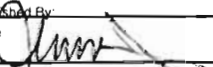
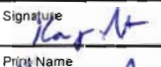
2002298 5.4°C

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

Project: GascoSiltronic: US Moorings
Client: NW Natural

COC ID: VISTA-20201026-115850
Sample Custodian: CO
Lab: VISTA

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected		Containers #	Lab QC <input type="checkbox"/>	Test Request	Method	TAT**	Preservative
				Date	Time						
001	SC-FB-2010261145	FB	WQ	10/26/2020	11:45	2	<input type="checkbox"/>				
								Dioxin/Furans	E1613B	30	4°C
002	SC-RB-2010261130	RB	WQ	10/26/2020	11:30	2	<input type="checkbox"/>				
								Dioxin/Furans	E1613B	30	4°C

Comment:					
Relinquished By	Received By	Relinquished By	Received By	Relinquished By	Received By
Signature 	Signature 	Signature	Signature	Signature	Signature
Print Name C. DELANEY PETERSON	Print Name Kerin Y. Asante	Print Name	Print Name	Print Name	Print Name
Company AQ	Company VAL	Company	Company	Company	Company
Date/Time 10/27/20 09:00	Date/Time 10/28/20 10:12	Date/Time	Date/Time	Date/Time	Date/Time

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

Sample Log-In Checklist

 Page # 1 of 1

 Vista Work Order #: 2002298 TAT Std

Samples Arrival:	Date/Time: 10/28/20 10:12	Initials: Ka	Location: WR-2
			Shelf/Rack: N/A
Delivered By:	<input checked="" type="checkbox"/> FedEx	<input type="checkbox"/> UPS	<input type="checkbox"/> On Trac
	<input type="checkbox"/> GLS	<input type="checkbox"/> DHL	<input type="checkbox"/> Hand Delivered
Preservation:	<input checked="" type="checkbox"/> Ice	<input type="checkbox"/> Blue Ice	<input type="checkbox"/> Techni Ice
	<input type="checkbox"/> Dry Ice	<input type="checkbox"/> None	
Temp °C: 5.4 (uncorrected)	Probe used: Y / <input checked="" type="checkbox"/> N		Thermometer ID: IR-3
Temp °C: 5.4 (corrected)			

	YES	NO	NA
Shipping Container(s) Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Custody Seals Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Airbill <input checked="" type="checkbox"/>	Trk # 7719 1705 5207		
Shipping Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Container	<input type="checkbox"/> Vista	<input type="checkbox"/> Client	<input type="checkbox"/> Retain
	<input checked="" type="checkbox"/> Return	<input type="checkbox"/> Dispose	
Chain of Custody / Sample Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chain of Custody / Sample Documentation Complete?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Holding Time Acceptable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Logged In:	Date/Time: 10/28/20 10:41	Initials: Ka	Location: WR-2
			Shelf/Rack: B-1, C-1
COC Anomaly/Sample Acceptance Form completed?			<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>

Comments:

CoC/Label Reconciliation Report WO# 2002298

LabNumber	CoC Sample ID	SampleAlias	Sample Date/Time	Container	BaseMatrix	Sample Comments
2002298-01	A SC-FB-2010261145	<input checked="" type="checkbox"/>	26-Oct-20 11:45	<input checked="" type="checkbox"/>	Amber Glass NM Bottle, 1L	Aqueous
2002298-01	B SC-FB-2010261145	<input checked="" type="checkbox"/>	26-Oct-20 11:45	<input checked="" type="checkbox"/>	Amber Glass NM Bottle, 1L	Aqueous
2002298-02	A SC-RB-2010261130	<input checked="" type="checkbox"/>	26-Oct-20 11:30	<input checked="" type="checkbox"/>	Amber Glass NM Bottle, 1L	Aqueous
2002298-02	B SC-RB-2010261130	<input checked="" type="checkbox"/>	26-Oct-20 11:30	<input checked="" type="checkbox"/>	Amber Glass NM Bottle, 1L	Aqueous

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

	Yes	No	NA	Comments:
Sample Container Intact?	✓			
Sample Custody Seals Intact?			✓	
Adequate Sample Volume?	✓			
Container Type Appropriate for Analysis(es)	✓			
Preservation Documented: Na ₂ S ₂ O ₃ Trizma <u>None</u> Other		✓	✓	
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓	

Verified by/Date: NA 10/28/20

EXTRACTION INFORMATION

Process Sheet
 Workorder: **2002298**

Prep Expiration: 2021-10-26
 Client: Anchor QEA, LLC

Workorder Due: **25-Nov-20 00:00**

TAT: 28

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

Prep Batch: BOK0008

Prep Data Entered: DG 11/09/20
Date and Initials

Initial Sequence: SOK0632

LabSampleID	Recon	ClientSampleID	Date Received	Location	Comments
2002298-01 <u>A</u>	<input checked="" type="checkbox"/>	SC-FB-2010261145	28-Oct-20 10:12	WR-2 B-1	
2002298-02 <u>↓</u>	<input checked="" type="checkbox"/>	SC-RB-2010261130	28-Oct-20 10:12	WR-2 B-1	

WO Comments: ~~1613: 10g dw~~
~~1668A: 5g dw~~

WA

Pre-Prep Check Out: DG 11/04/20 ^{NA}
 Pre-Prep Check In: NA
 Prep Check Out: DG 11/04/20
 Prep Check In: Empty

Prep Reconciled Initials/Date: DG 11/04/20
 Spike Reconciled Initials/Date: PR 11/04/20
 VialBoxID: Turkey

PREPARATION BENCH SHEET

Matrix: Aqueous

B0K0008

Chemist: DG

Method: 1613 Full List

Prep Date/Time: 03-Nov-20

Method: 1613 2.3.7.8s Only

Method: 1613 2.3.7.8-TCDD Only

Prepared using: HRMS - Separatory Funnel

VISTA Sample ID	Bottle + Sample (g)	Bottle Only (g)	Sample Amt. (L)	IS/NS CHEM/WIT DATE	CRS CHEM/WIT DATE	AP CHEM/ DATE	ABSG CHEM/ DATE	AA CHEM/ DATE	Florisil CHEM/ DATE	RS CHEM/WIT DATE
B0K0008-BLK1	NA	NA	(1.00)	DG RR 11/04/20	DG IM 11/08/20	NA	DG 11/08/20	DG 11/08/20	DG 11/08/20	DG AM 11/09/20
B0K0008-BS1	NA	NA	(1.00)							
2002243-01	NA	NA	0.02447				pale green ring			
2002285-01	1552.28	510.82	1.04146				yellow rings			
2002293-01	1542.79	510.98	1.03181						NA	
2002294-01	1560.08	512.47	1.04761							
2002295-01	1377.87	399.17	0.9787							
2002298-01	1547.05	510.60	1.03645						DG 11/08/20	
2002298-02	1554.90	512.22	1.04268							
2002299-01	1561.64	511.94	1.0497							
2002300-01	1464.38	507.98	0.9564							
2002339-01	1481.17	508.05	0.97312	✓	↓	↓	↓	↓	↓	↓

- Ⓐ Custody seal broken before extraction. DG 11/04/20
- Ⓑ Poured out half of sample and diluted to 1L with UPLC water. DG 11/04/20
- Ⓒ Sharpie bled into sample during florisil. DG 11/09/20

IS Name	NS Name	CRS Name	RS Name	Cycle Time	APP: SEFUN SOX SDS	Check Out: Chemist/Date: DG 11/04/20
PCDD/F 20F1101 10µL	PCDD/F 20F0107 10µL	PCDD/F 20E0701 10µL	PCDD/F 20E0702 10µL	Start Date/Time: NA	SOLV: DCM	Check In: Chemist/Date: Empty
PCB	PCB	PCB	PCB	Stop Date/Time: NA	Other: N/A	Balance ID: HRMS-9
PAH	PAH	PAH	PAH		Final Volume(s) 20µL C14	

Comments: Assume 1 g = 1 mL

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

Percent Moisture/ Percent Solids

D2216-90

BATCH ID B0K0007

Analyst: DG ✓	Test Code: %Moist/%Solids	Data Entry Verified by: (Initial and Date) DG 11/09/20
Analyte:	Units: %	
Oven ID: 01 ✓ 02	Dried at 110°C +/- 5°C	

Inst HRMS-9 ✓ Date/Time IN: 11/04/20 0742 Date/Time OUT: 11/08/20 0708

Particle Size	SampleID	SampType	Initial and Date:		DG 11/04/20 ✓		DG 11/08/20 ✓		Dry Sample Weight (g)	%Solids RawVal	DG 11/04/20 ✓		NA		DG 11/04/20 ✓
			Pan Tare Wt. (gms)	Wet Pan and Sample Weight (g)	Dry Pan and Sample Weight (g)	Visual Inspection	Cl- Before	pH After			Acid Added	Sample Homogenized*			
	2002243-01	A ✓	Sample	1.2800 ✓	6.1700 ✓	1.3500 ✓	0.0700	1.43	YELLOW ✓	0 ✓	7 ✓	NA	NA	X	
	2002285-01	A ✓	Sample	1.2600 ✓	8.0100 ✓	1.2800 ✓	0.0200	0.30	CLEAR ✓	0 ✓	7 ✓	NA	NA	X	
	2002293-01	A ✓	Sample	1.2700 ✓	8.6500 ✓	1.2800 ✓	0.0100	0.14	CLEAR ✓	0 ✓	7 ✓	NA	NA	X	
	2002294-01	A ✓	Sample	1.2600 ✓	11.4600 ✓	1.2700 ✓	0.0100	0.10	CLEAR ✓	0 ✓	7 ✓	NA	NA	X	
	2002295-01	A ✓	Sample	1.2800 ✓	13.3900 ✓	1.2800 ✓	0.0000	0.00	CLEAR ✓	0 ✓	7 ✓	NA	NA	X	
	2002298-01	A ✓	Sample	1.2600 ✓	6.7400 ✓	1.2800 ✓	0.0200	0.36	CLEAR ✓	0 ✓	5 ✓	NA	NA	X	
	2002298-02	A ✓	Sample	1.2700 ✓	6.2400 ✓	1.2700 ✓	0.0000	0.00	CLEAR ✓	0 ✓	5 ✓	NA	NA	X	
	2002299-01	A ✓	Sample	1.2600 ✓	6.6400 ✓	1.2700 ✓	0.0100	0.19	CLEAR ✓	0 ✓	5 ✓	NA	NA	X	
	2002300-01	A ✓	Sample	1.2700 ✓	7.7100 ✓	1.2900 ✓	0.0200	0.31	CLEAR ✓	0 ✓	7 ✓	NA	NA	X	
	2002339-01	C ✓	Sample	1.2700 ✓	8.4300 ✓	1.2700 ✓	0.0000	0.00	CLEAR ✓	0 ✓	5 ✓	NA	NA	X	

*Sample homogenized in sample container unless otherwise noted.

Percent Moisture/ Percent Solids

D2216-90

BATCH ID B0K0007

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

Inst HRMS-9

Date/Time IN: 11/04/20 0742
Date/Time OUT: 11/08/20 0708

Particle Size	SampID	SampType	Initial and Date: DG 11/04/20		Initial and Date: DG 11/08/20		Dry Sample Weight (g)	%Solids RawVal	Initial and Date: DG 11/04/20		Initial and Date: NA		Initial and Date: DG 11/04/20	
			Pan Tare Wt. (gms)	Wet Pan and Sample Weight (g)	Dry Pan and Sample Weight (g)	Visual Inspection			Cl-	pH Before	pH After	Acid Added	Sample Homogenized*	
			1.28	6.17	1.35			CLEAR	0	7			X	
			1.26	8.01	1.28			CLEAR	0	7			X	
			1.27	8.65	1.28								X	
			1.26	11.46	1.27								X	
			1.28	13.39	1.28								X	
			1.26	6.74	1.28								X	
			1.27	6.24	1.27								X	
			1.26	6.64	1.27								X	
			1.27	7.71	1.29								X	
			1.27	8.43	1.27								X	

*Sample homogenized in sample container unless otherwise noted.

~~ⓐ Clear brownish yellow with some particulate. DG 11/04/20~~

ⓐ Yellow DG 11/08/20

Batch: B0K0008

Matrix: Aqueous

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
2002243-01	0.02447 ✓			20	03-Nov-20 06:57	IM			Waste	1613 Full List
2002285-01	1.04146 ✓			20	03-Nov-20 06:57	IM			Water	1613 2,3,7,8s Only
2002293-01	1.03181 ✓			20	03-Nov-20 06:57	IM			Drinking Water	1613 2,3,7,8-TCDD Only
2002294-01	1.04761 ✓			20	03-Nov-20 06:57	IM			Drinking Water	1613 2,3,7,8-TCDD Only
2002295-01	0.9787 ✓			20	03-Nov-20 06:57	IM			Drinking Water	1613 2,3,7,8-TCDD Only
2002298-01	1.03645 ✓			20	03-Nov-20 06:57	IM			QC Water	1613 Full List
2002298-02	1.04268 ✓			20	03-Nov-20 06:57	IM			QC Water	1613 Full List
2002299-01	1.0497 ✓			20	03-Nov-20 06:57	IM			QC Water	1613 Full List
2002300-01	0.9564 ✓			20	03-Nov-20 06:57	IM			Wastewater	1613 Full List
2002339-01	0.97312 ✓			20	03-Nov-20 06:57	IM			Rinsate Water	1613 Full List
B0K0008-BLK1	1 ✓			20	03-Nov-20 06:57	IM				QC
B0K0008-BS1	1 ✓			20	03-Nov-20 06:57	IM	20F0107 ✓	10 ✓		QC

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

DG 11/11/20

Printed: 11/11/2020 11:56:18AM
Page 1 of 1

SAMPLE DATA – EPA METHOD 1613

Dataset: U:\VG12.PRO\Results\201112R1\201112R1-5.qld

Last Altered: Thursday, November 12, 2020 11:35:19 AM Pacific Standard Time
Printed: Friday, November 13, 2020 7:42:24 AM Pacific Standard Time

GRB 11/13/2020

Method: U:\VG12.PRO\MethDB\1613rrt-11-11-20.mdb 12 Nov 2020 07:51:39
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-10-20-20.cdb 20 Oct 2020 13:36:10

CT 11/16/2020

Name: 201112R1_5, Date: 12-Nov-2020, Time: 10:06:46, ID: B0K0008-BLK1 Method Blank 1, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD			NO	0.950	1.000	26.156		1.001				0.278	
2	2 1,2,3,7,8-PeCDD			NO	0.885	1.000	30.845		1.000				0.421	
3	3 1,2,3,4,7,8-HxCDD			NO	1.02	1.000	34.166		1.000				0.504	
4	4 1,2,3,6,7,8-HxCDD			NO	0.915	1.000	34.287		1.000				0.518	
5	5 1,2,3,7,8,9-HxCDD			NO	0.934	1.000	34.561		1.000				0.574	
6	6 1,2,3,4,6,7,8-HpCDD			NO	0.870	1.000	38.036		1.000				0.962	
7	7 OCDD			NO	0.872	1.000	40.972		1.000				1.87	
8	8 2,3,7,8-TCDF			NO	0.824	1.000	25.440		1.000				0.309	
9	9 1,2,3,7,8-PeCDF			NO	0.963	1.000	29.577		1.000				0.323	
10	10 2,3,4,7,8-PeCDF			NO	1.07	1.000	30.635		1.000				0.270	
11	11 1,2,3,4,7,8-HxCDF			NO	0.953	1.000	33.245		1.000				0.592	
12	12 1,2,3,6,7,8-HxCDF			NO	1.01	1.000	33.377		1.000				0.559	
13	13 2,3,4,6,7,8-HxCDF			NO	0.991	1.000	34.050		1.000				0.678	
14	14 1,2,3,7,8,9-HxCDF			NO	0.951	1.000	35.045		1.000				1.14	
15	15 1,2,3,4,6,7,8-HpCDF	9.36e2	1.01	NO	0.999	1.000	36.635	36.60	1.000	0.999	3.7282		0.713	3.73
16	16 1,2,3,4,7,8,9-HpCDF	4.56e2	1.03	NO	1.12	1.000	38.661	38.71	1.000	1.001	2.1953		0.767	2.19
17	17 OCDF	2.99e3	0.87	NO	0.868	1.000	41.276	41.28	1.000	1.000	17.802		1.51	17.8
18	18 13C-2,3,7,8-TCDD	1.15e6	0.79	NO	1.11	1.000	26.119	26.13	1.030	1.030	1702.7	85.1	2.08	
19	19 13C-1,2,3,7,8-PeCDD	9.20e5	0.62	NO	0.859	1.000	30.845	30.84	1.216	1.216	1755.7	87.8	3.05	
20	20 13C-1,2,3,4,7,8-HxCDD	6.24e5	1.28	NO	0.700	1.000	34.152	34.16	1.014	1.014	1804.4	90.2	5.42	
21	21 13C-1,2,3,6,7,8-HxCDD	7.62e5	1.27	NO	0.833	1.000	34.290	34.28	1.018	1.018	1851.9	92.6	4.56	
22	22 13C-1,2,3,7,8,9-HxCDD	6.88e5	1.18	NO	0.762	1.000	34.533	34.55	1.025	1.026	1827.6	91.4	4.98	
23	23 13C-1,2,3,4,6,7,8-HpCDD	4.86e5	1.04	NO	0.650	1.000	38.019	38.04	1.129	1.129	1515.6	75.8	7.72	
24	24 13C-OCDD	6.97e5	0.93	NO	0.539	1.000	40.987	40.97	1.217	1.216	2616.8	65.4	7.57	
25	25 13C-2,3,7,8-TCDF	1.51e6	0.77	NO	0.981	1.000	25.439	25.43	1.003	1.003	1710.0	85.5	1.70	
26	26 13C-1,2,3,7,8-PeCDF	1.30e6	1.58	NO	0.792	1.000	29.575	29.57	1.166	1.166	1819.6	91.0	5.93	
27	27 13C-2,3,4,7,8-PeCDF	1.32e6	1.57	NO	0.778	1.000	30.635	30.64	1.208	1.208	1887.6	94.4	6.04	
28	28 13C-1,2,3,4,7,8-HxCDF	7.59e5	0.50	NO	0.954	1.000	33.243	33.24	0.987	0.987	1612.0	80.6	6.55	
29	29 13C-1,2,3,6,7,8-HxCDF	8.20e5	0.50	NO	1.01	1.000	33.374	33.38	0.991	0.991	1650.2	82.5	6.21	
30	30 13C-2,3,4,6,7,8-HxCDF	7.43e5	0.50	NO	0.921	1.000	34.044	34.05	1.011	1.011	1634.2	81.7	6.79	
31	31 13C-1,2,3,7,8,9-HxCDF	5.90e5	0.50	NO	0.803	1.000	35.041	35.04	1.040	1.040	1487.1	74.4	7.78	

Dataset: U:\VG12.PRO\Results\201112R1\201112R1-5.qld

Last Altered: Thursday, November 12, 2020 11:35:19 AM Pacific Standard Time

Printed: Friday, November 13, 2020 7:42:24 AM Pacific Standard Time

Name: 201112R1_5, Date: 12-Nov-2020, Time: 10:06:46, ID: B0K0008-BLK1 Method Blank 1, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	5.03e5	0.43	NO	0.735	1.000	36.611	36.63	1.087	1.087	1385.0	69.3	6.47	
33	33 13C-1,2,3,4,7,8,9-HpCDF	3.70e5	0.43	NO	0.568	1.000	38.649	38.66	1.147	1.148	1318.8	65.9	8.39	
34	34 13C-OCDF	7.74e5	0.86	NO	0.629	1.000	41.270	41.27	1.225	1.225	2491.0	62.3	5.51	
35	35 37Cl-2,3,7,8-TCDD	4.96e5			1.09	1.000	26.119	26.14	1.030	1.031	746.34	93.3	0.466	
36	36 13C-1,2,3,4-TCDD	1.22e6	0.79	NO	1.00	1.000	25.370	25.36	1.000	1.000	2000.0	100	2.30	
37	37 13C-1,2,3,4-TCDF	1.80e6	0.78	NO	1.00	1.000	23.870	23.86	1.000	1.000	2000.0	100	1.67	
38	38 13C-1,2,3,4,6,9-HxCDF	9.88e5	0.50	NO	1.00	1.000	33.710	33.68	1.000	1.000	2000.0	100	6.25	
39	39 Total Tetra-Dioxins				0.950	1.000	24.620		0.000				0.164	
40	40 Total Penta-Dioxins				0.885	1.000	29.960		0.000				0.185	
41	41 Total Hexa-Dioxins				0.915	1.000	33.635		0.000				0.319	
42	42 Total Hepta-Dioxins				0.870	1.000	37.640		0.000				0.570	
43	43 Total Tetra-Furans				0.824	1.000	23.610		0.000				0.127	
44	44 1st Func. Penta-Furans				0.963	1.000	26.930		0.000				0.0877	
45	45 Total Penta-Furans				0.963	1.000	29.275		0.000				0.177	
46	46 Total Hexa-Furans				0.991	1.000	33.555		0.000		2.1972		0.373	3.04
47	47 Total Hepta-Furans				0.999	1.000	37.835		0.000		13.365		0.776	13.4

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\201112R1\201112R1-5.qld

Last Altered: Thursday, November 12, 2020 11:35:19 AM Pacific Standard Time

Printed: Friday, November 13, 2020 7:42:24 AM Pacific Standard Time

Method: U:\VG12.PRO\MethDB\1613rrt-11-11-20.mdb 12 Nov 2020 07:51:39

Calibration: U:\VG12.PRO\CurveDB\1bDIOXIN_1613vg12-10-20-20.cdb 20 Oct 2020 13:36:10

Name: 201112R1_5, Date: 12-Nov-2020, Time: 10:06:46, ID: B0K0008-BLK1 Method Blank 1, Description: Method Blank

Tetra-Dioxins

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

Penta-Dioxins

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

Hexa-Dioxins

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

Hepta-Dioxins

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

Tetra-Furans

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

Penta-Furans function 1

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

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\201112R1\201112R1-5.qld

Last Altered: Thursday, November 12, 2020 11:35:19 AM Pacific Standard Time

Printed: Friday, November 13, 2020 7:42:24 AM Pacific Standard Time

Name: 201112R1_5, Date: 12-Nov-2020, Time: 10:06:46, ID: B0K0008-BLK1 Method Blank 1, Description: Method Blank

Penta-Furans

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

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.00	3.672e3	2.699e3	1.158e2	1.054e2	1.10	NO	2.212e2	0.61333	0.61300	0.373
2	Total Hexa-Furans	32.16	3.126e3	3.467e3	1.786e2	1.640e2	1.09	NO	3.426e2	0.94990	0.95000	0.373
3	Total Hexa-Furans	32.39	1.606e3	1.923e3	1.005e2	1.001e2	1.00	YES	0.000e0	0.00000	0.50300	0.373
4	Total Hexa-Furans	32.55	2.360e3	2.817e3	1.234e2	1.053e2	1.17	NO	2.287e2	0.63399	0.63400	0.373
5	Total Hexa-Furans	32.78	1.384e3	1.201e3	6.692e1	7.303e1	0.92	YES	0.000e0	0.00000	0.33500	0.373

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	36.60	4.300e3	4.969e3	4.709e2	4.655e2	1.01	NO	9.364e2	3.7282	3.7280	0.713
2	Total Hepta-Furans	37.14	4.811e3	3.750e3	4.147e2	4.183e2	0.99	NO	8.330e2	3.8234	3.8230	0.776
3	Total Hepta-Furans	37.35	4.317e3	2.960e3	4.143e2	3.740e2	1.11	NO	7.883e2	3.6184	3.6180	0.776
4	1,2,3,4,7,8,9-HpCDF	38.71	3.290e3	2.796e3	2.310e2	2.250e2	1.03	NO	4.560e2	2.1953	2.1950	0.767

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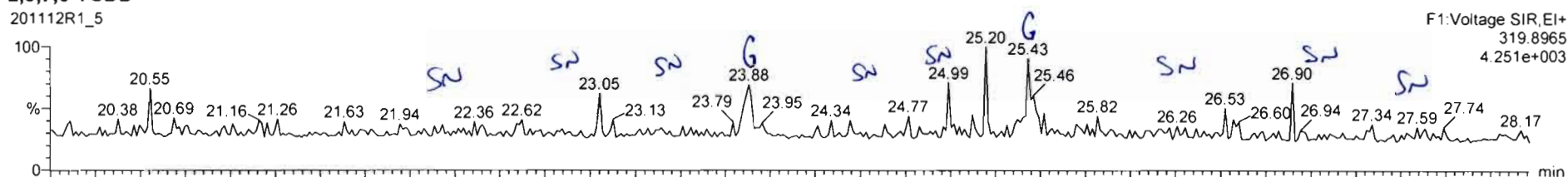
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Printed: Thursday, November 12, 2020 11:03:54 Pacific Standard Time

Method: U:\VG12.PRO\MethDB\1613rrt-11-11-20.mdb 12 Nov 2020 07:51:39
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-10-20-20.cdb 20 Oct 2020 13:36:10

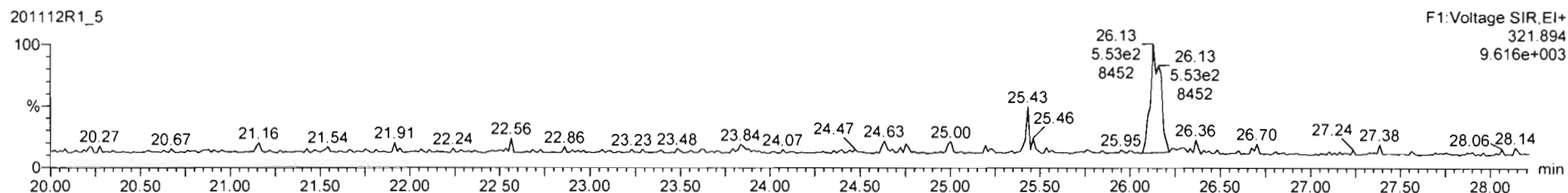
Name: 201112R1_5, Date: 12-Nov-2020, Time: 10:06:46, ID: B0K0008-BLK1 Method Blank 1, Description: Method Blank

2,3,7,8-TCDD

201112R1_5

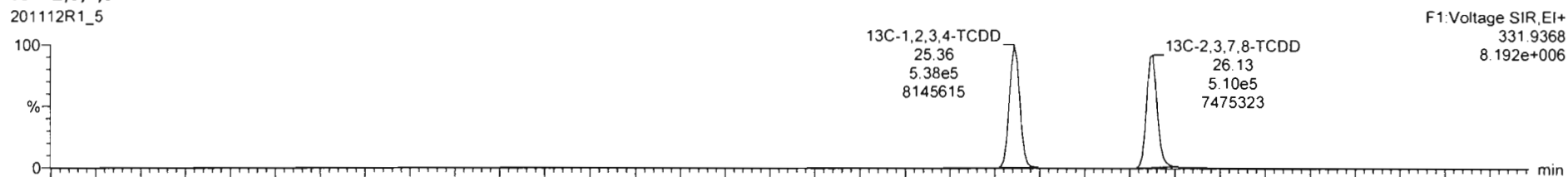


201112R1_5

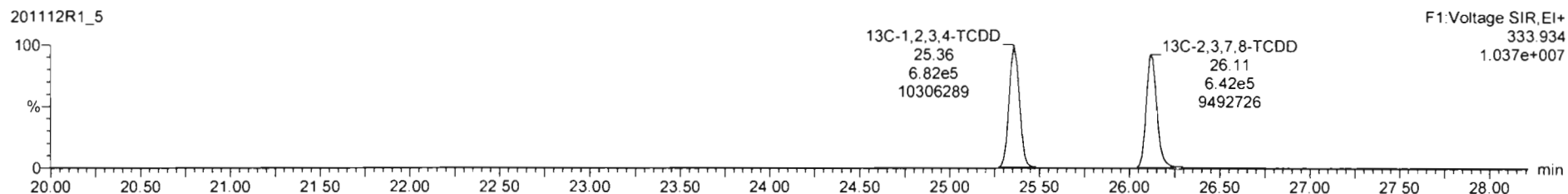


13C-2,3,7,8-TCDD

201112R1_5



201112R1_5



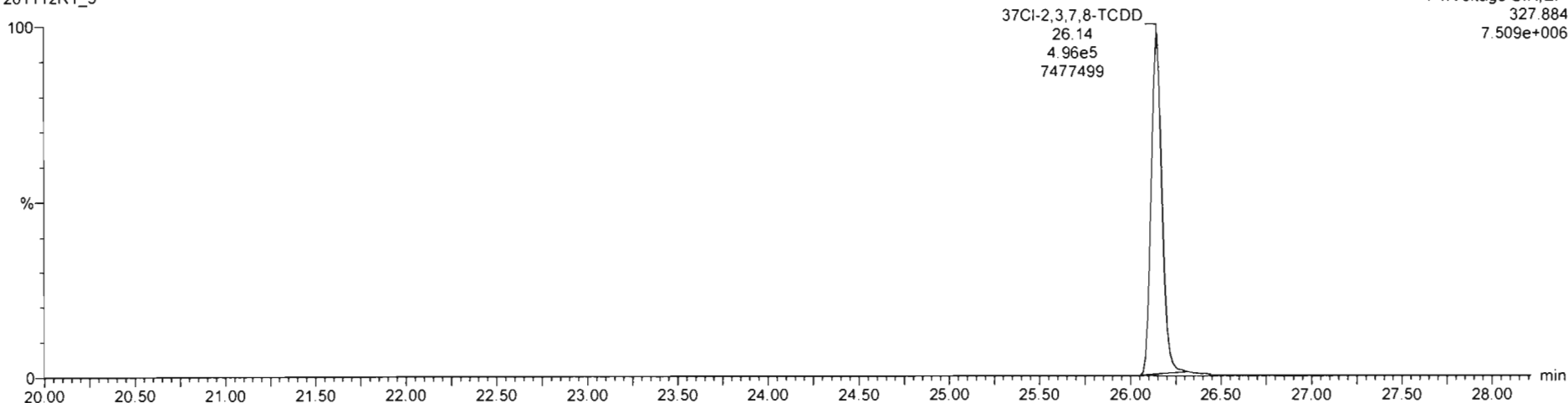
Dataset: Untitled

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Printed: Thursday, November 12, 2020 11:03:54 Pacific Standard Time

Name: 201112R1_5, Date: 12-Nov-2020, Time: 10:06:46, ID: B0K0008-BLK1 Method Blank 1, Description: Method Blank

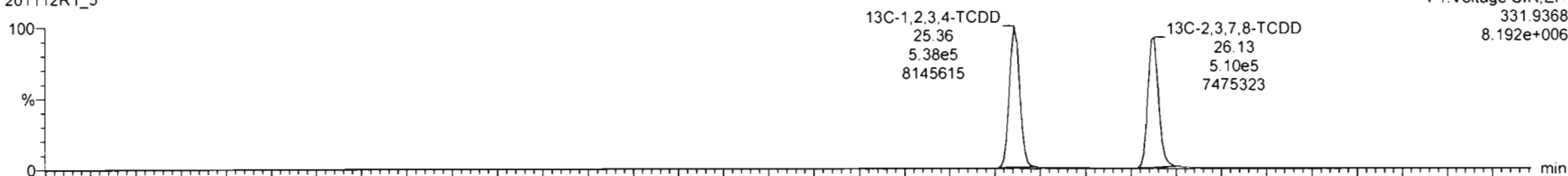
37Cl-2,3,7,8-TCDD

201112R1_5

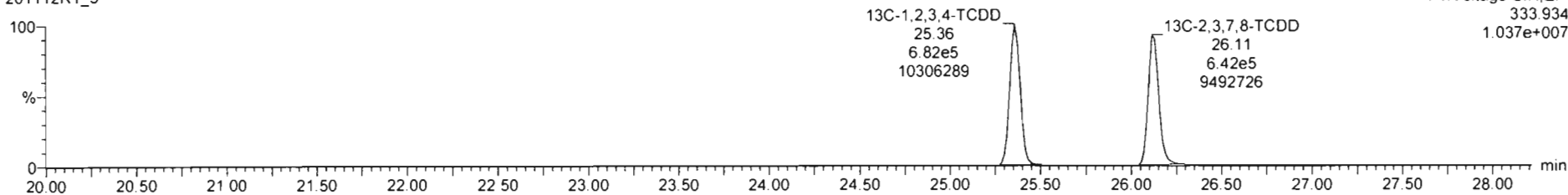


13C-1,2,3,4-TCDD

201112R1_5



201112R1_5

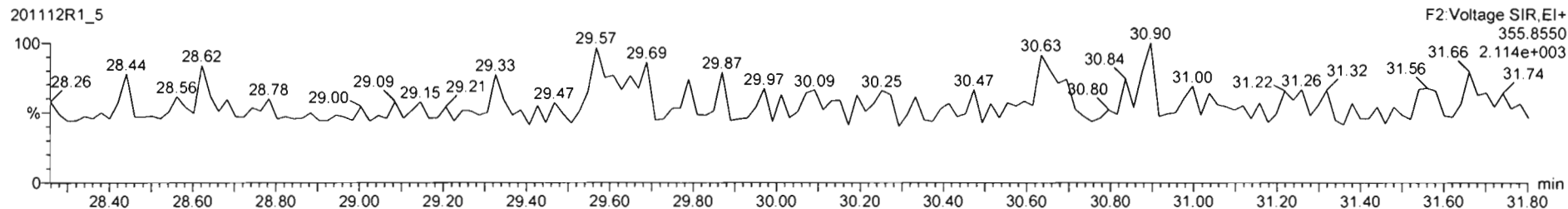
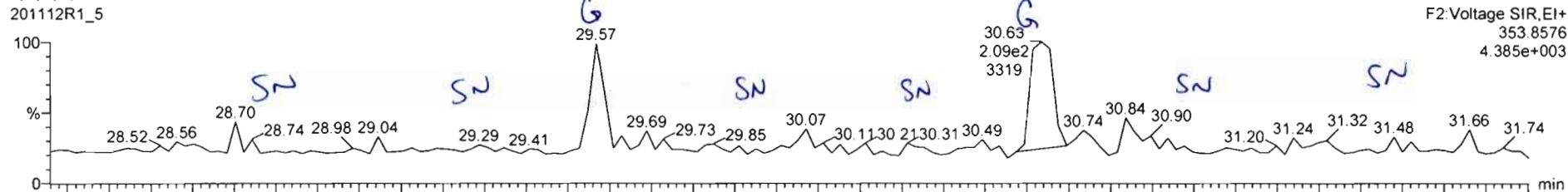


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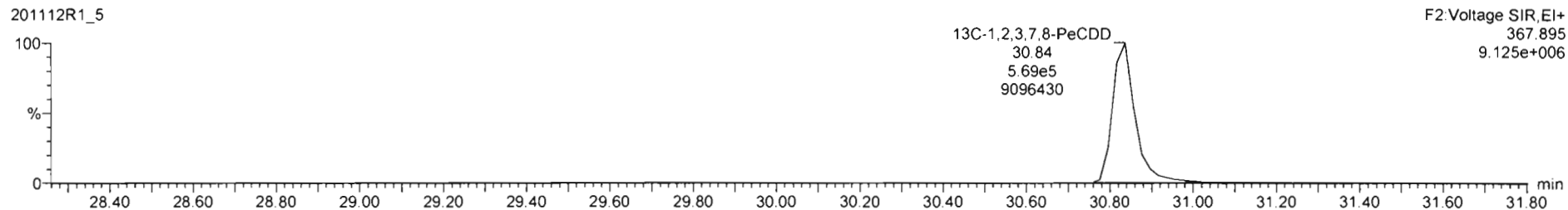
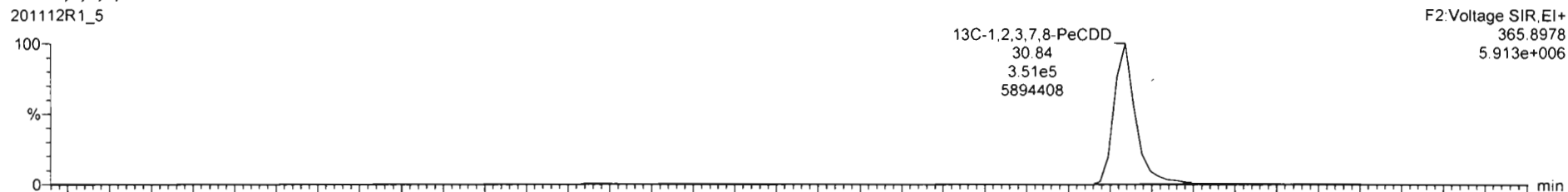
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Printed: Thursday, November 12, 2020 11:03:54 Pacific Standard Time

Name: 201112R1_5, Date: 12-Nov-2020, Time: 10:06:46, ID: B0K0008-BLK1 Method Blank 1, Description: Method Blank

1,2,3,7,8-PeCDD



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



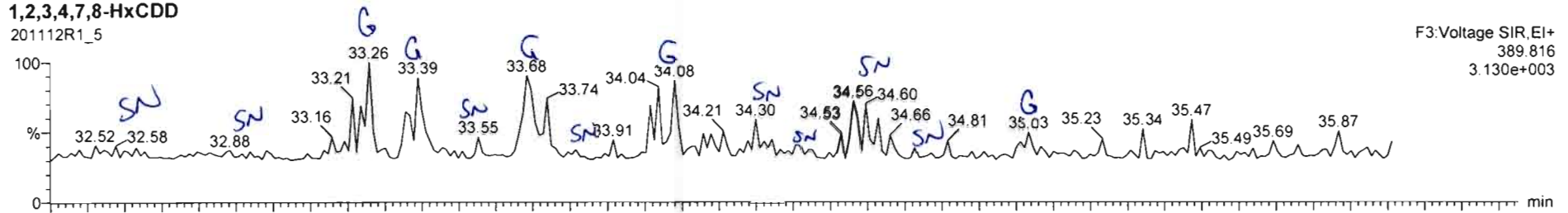
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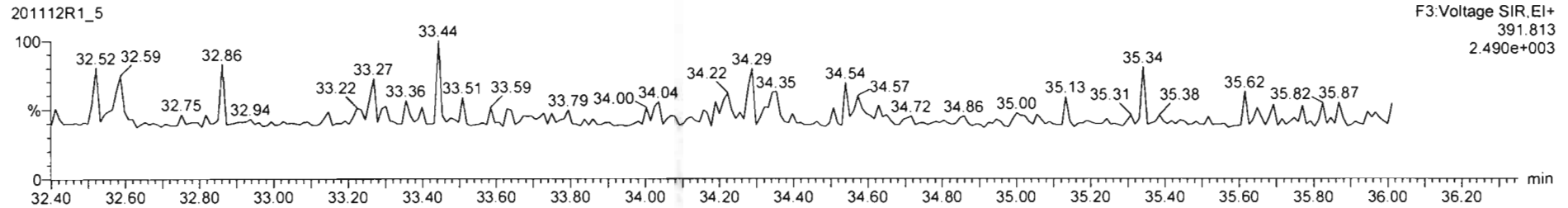
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1,2,3,4,7,8-HxCDD

201112R1_5

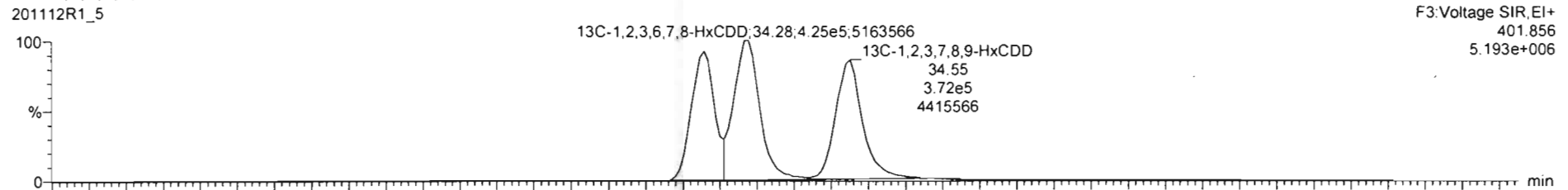


201112R1_5

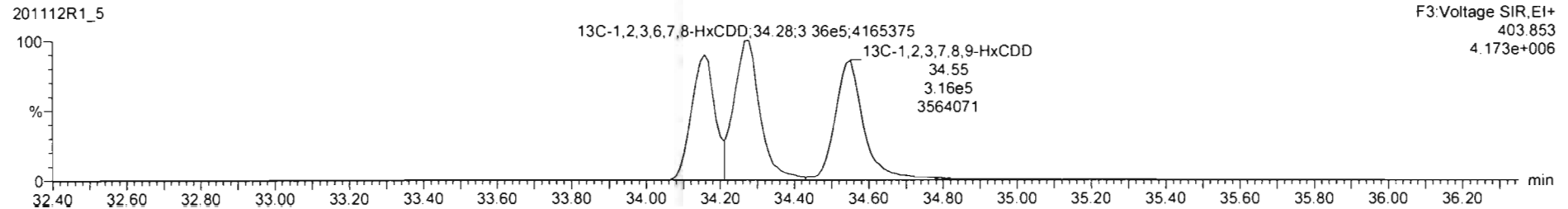


13C-1,2,3,4,7,8-HxCDD

201112R1_5



201112R1_5



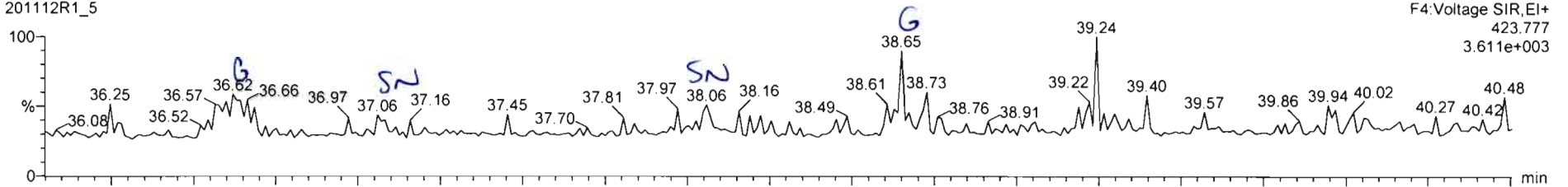
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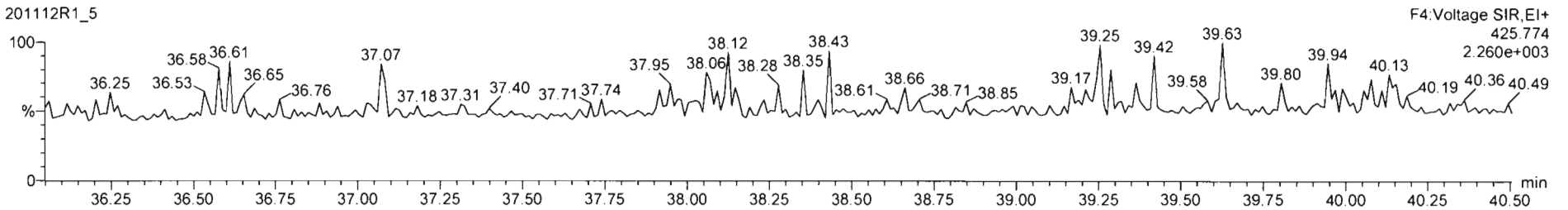
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1,2,3,4,6,7,8-HpCDD

201112R1_5

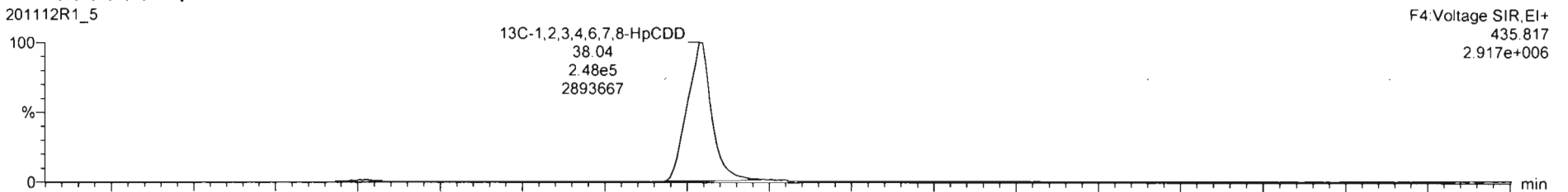


201112R1_5

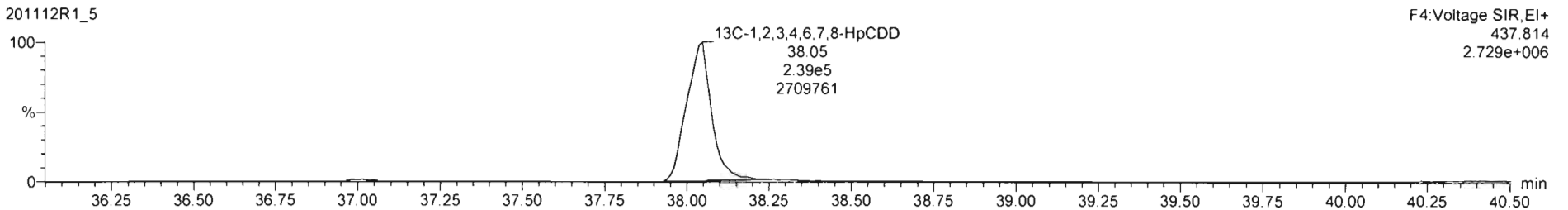


13C-1,2,3,4,6,7,8-HpCDD

201112R1_5



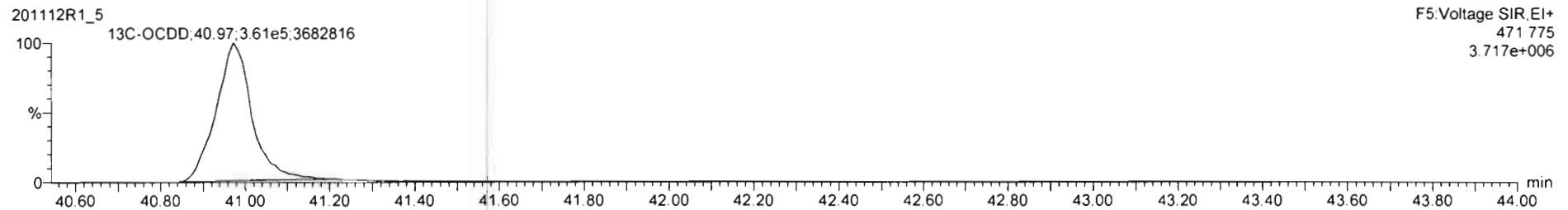
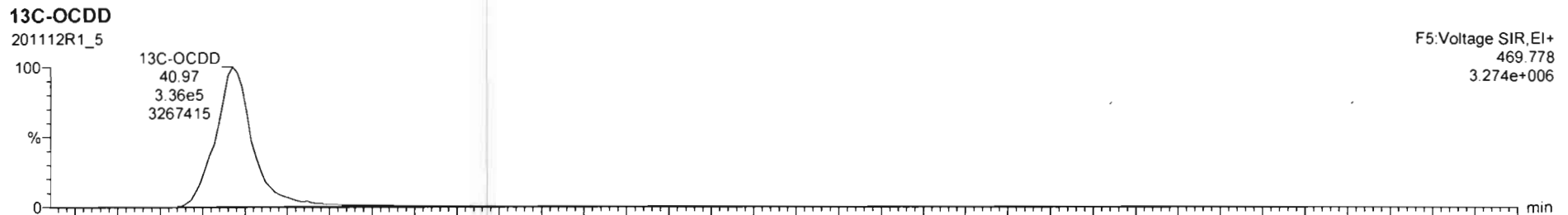
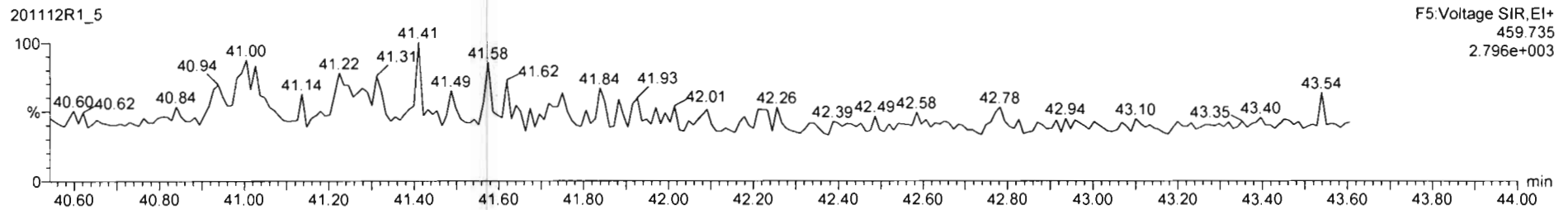
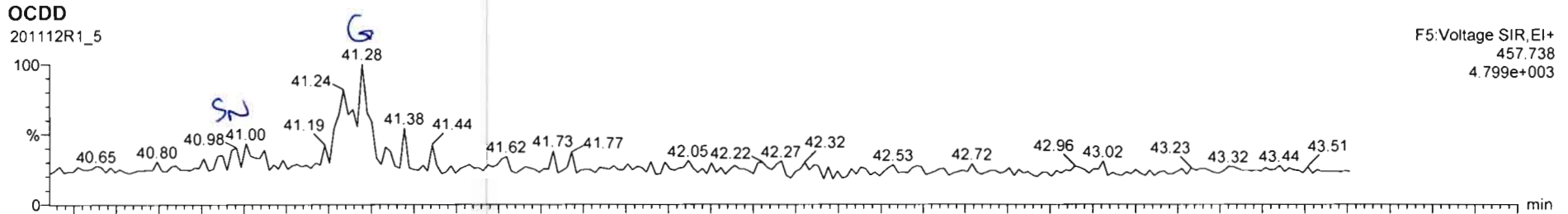
201112R1_5



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Last Altered: Thursday, November 12, 2020 11:03:48 Pacific Standard Time
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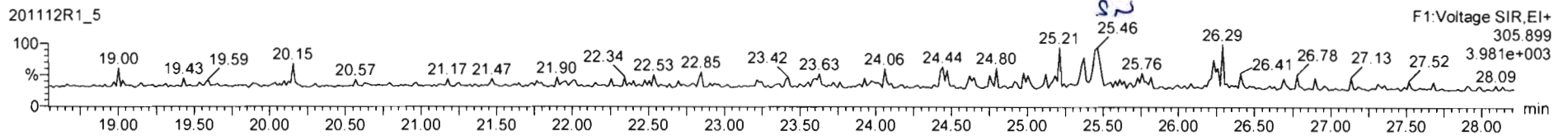
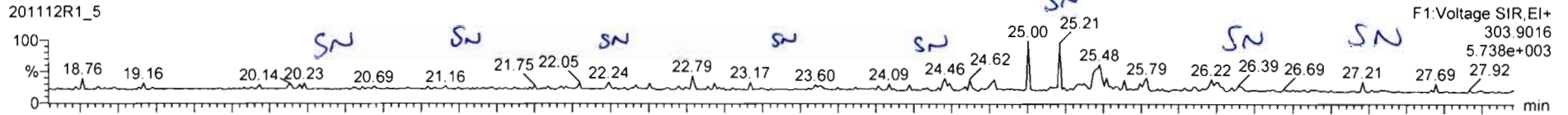


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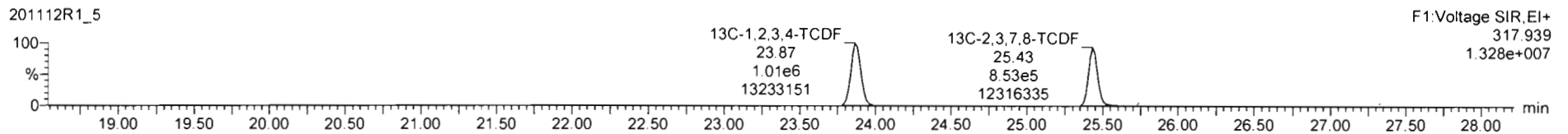
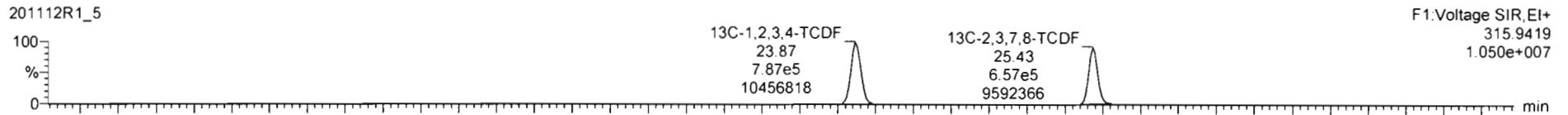
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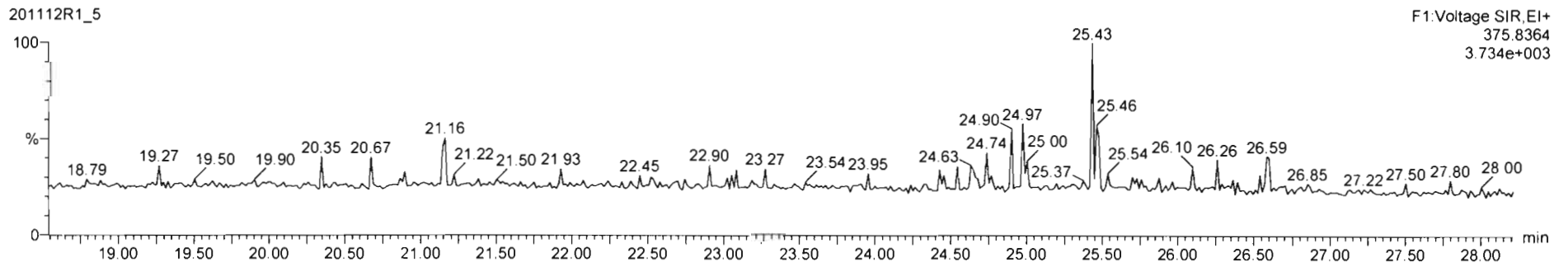
2,3,7,8-TCDF



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



DPE1



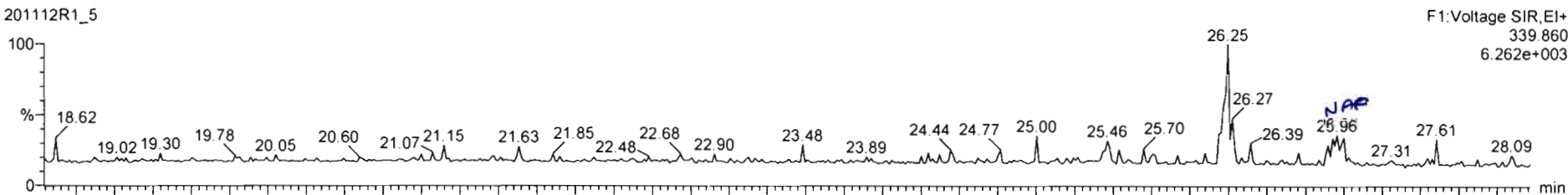
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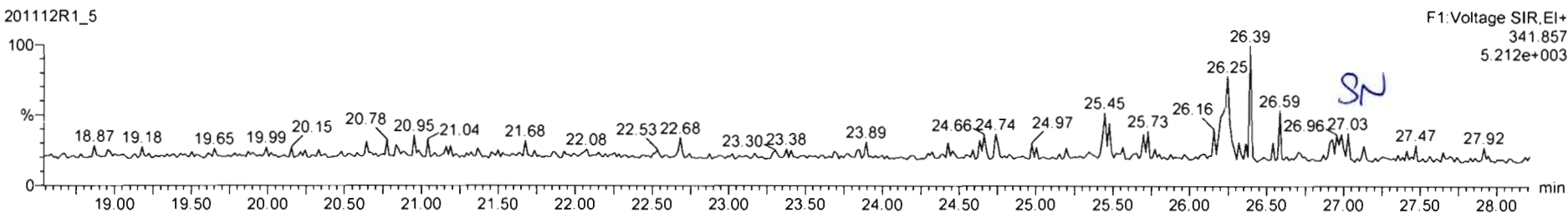
Name: 201112R1_5, Date: 12-Nov-2020, Time: 10:06:46, ID: B0K0008-BLK1 Method Blank 1, Description: Method Blank

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201112R1_5

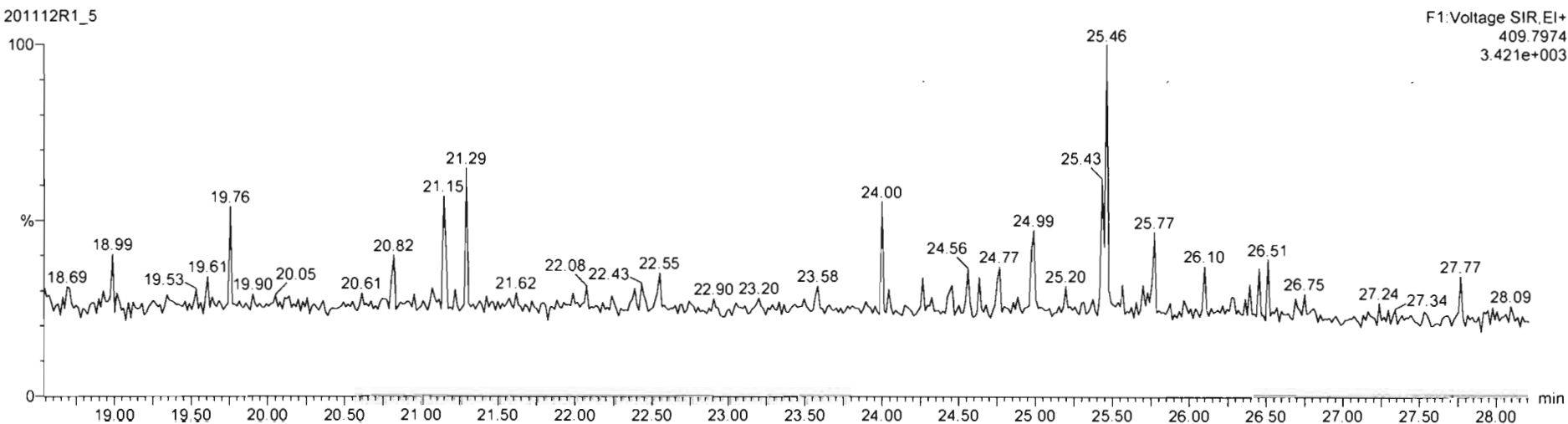


201112R1_5



DPE6

201112R1_5

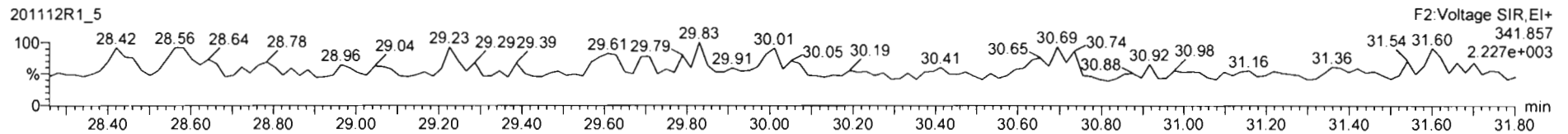
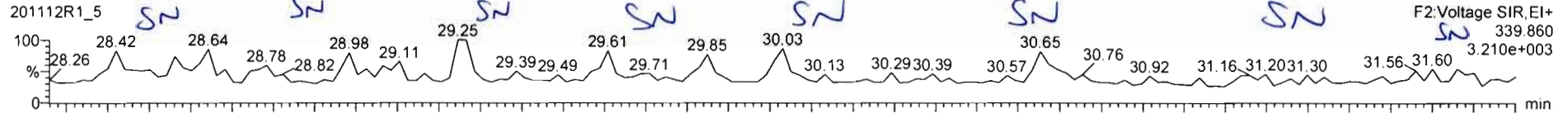


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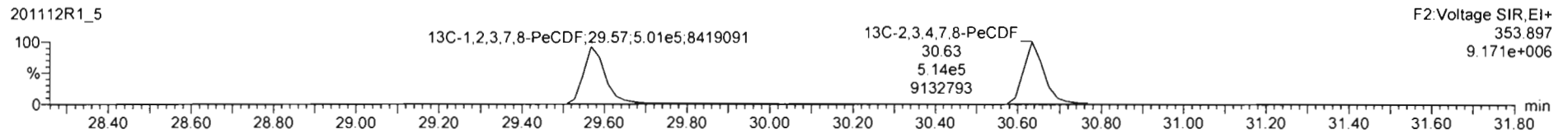
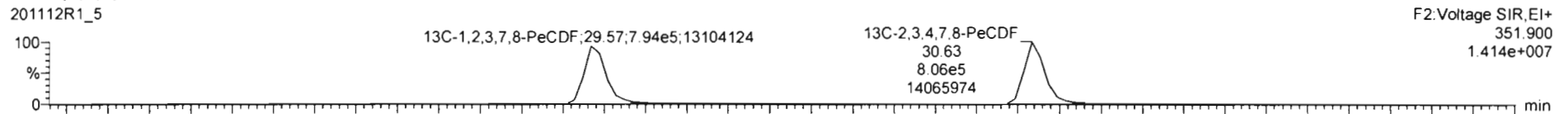
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Name: 201112R1_5, Date: 12-Nov-2020, Time: 10:06:46, ID: B0K0008-BLK1 Method Blank 1, Description: Method Blank

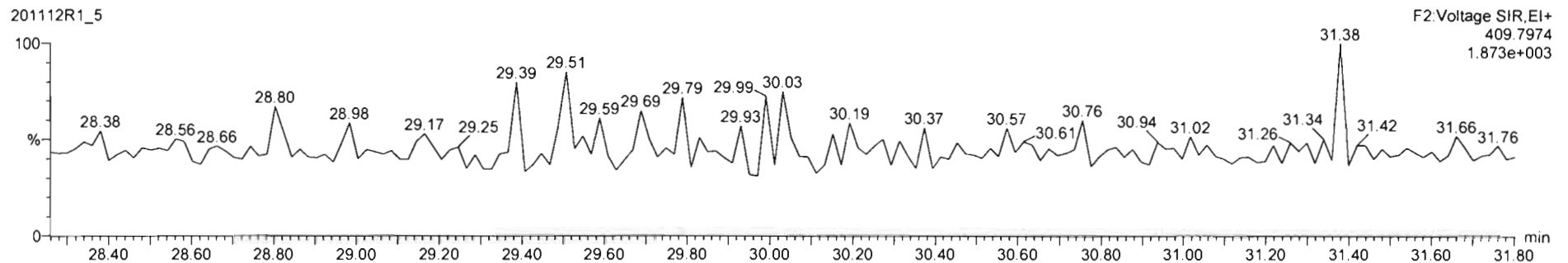
1,2,3,7,8-PeCDF



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



DPE2



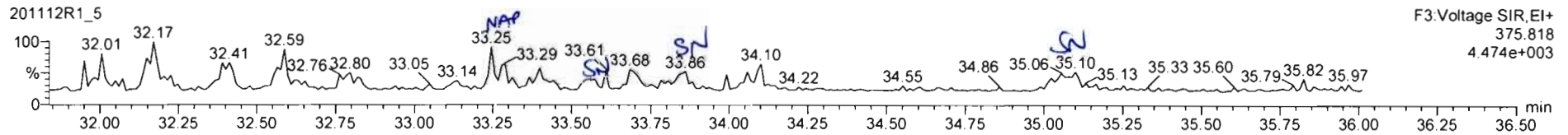
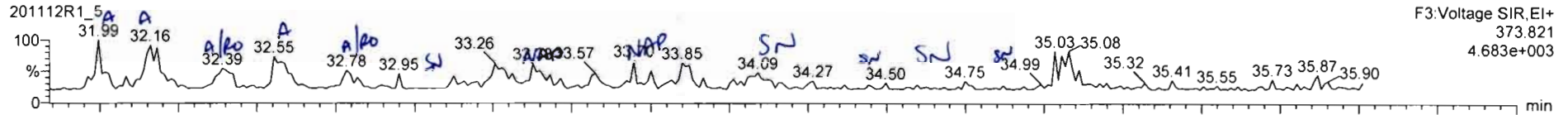
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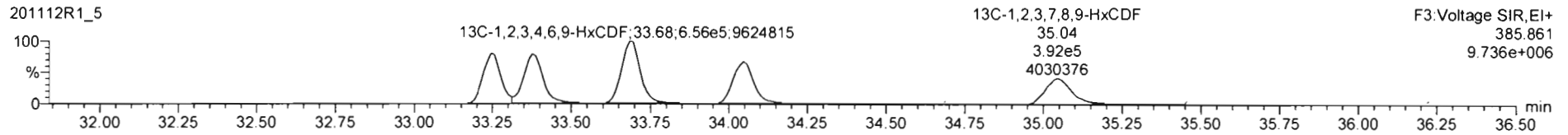
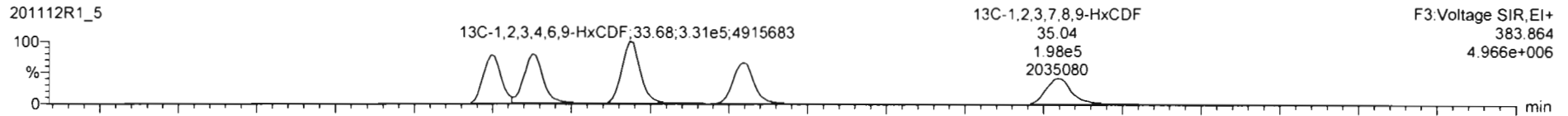
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Name: 201112R1_5, Date: 12-Nov-2020, Time: 10:06:46, ID: B0K0008-BLK1 Method Blank 1, Description: Method Blank

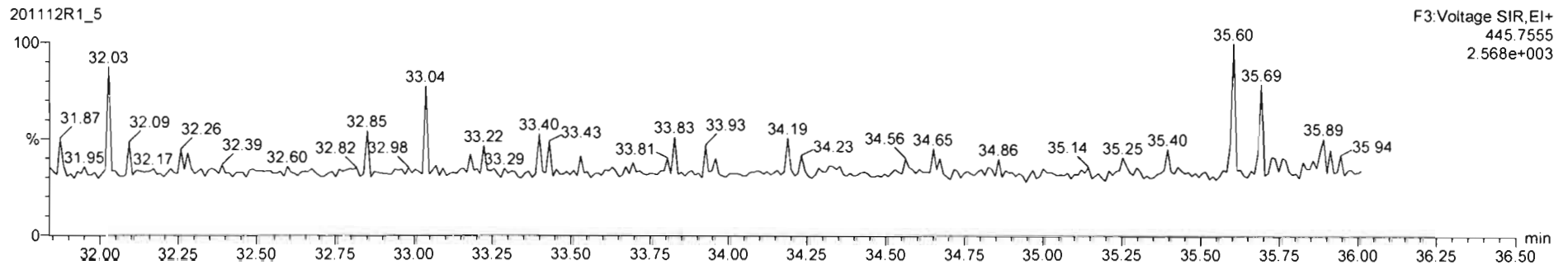
1,2,3,4,7,8-HxCDF

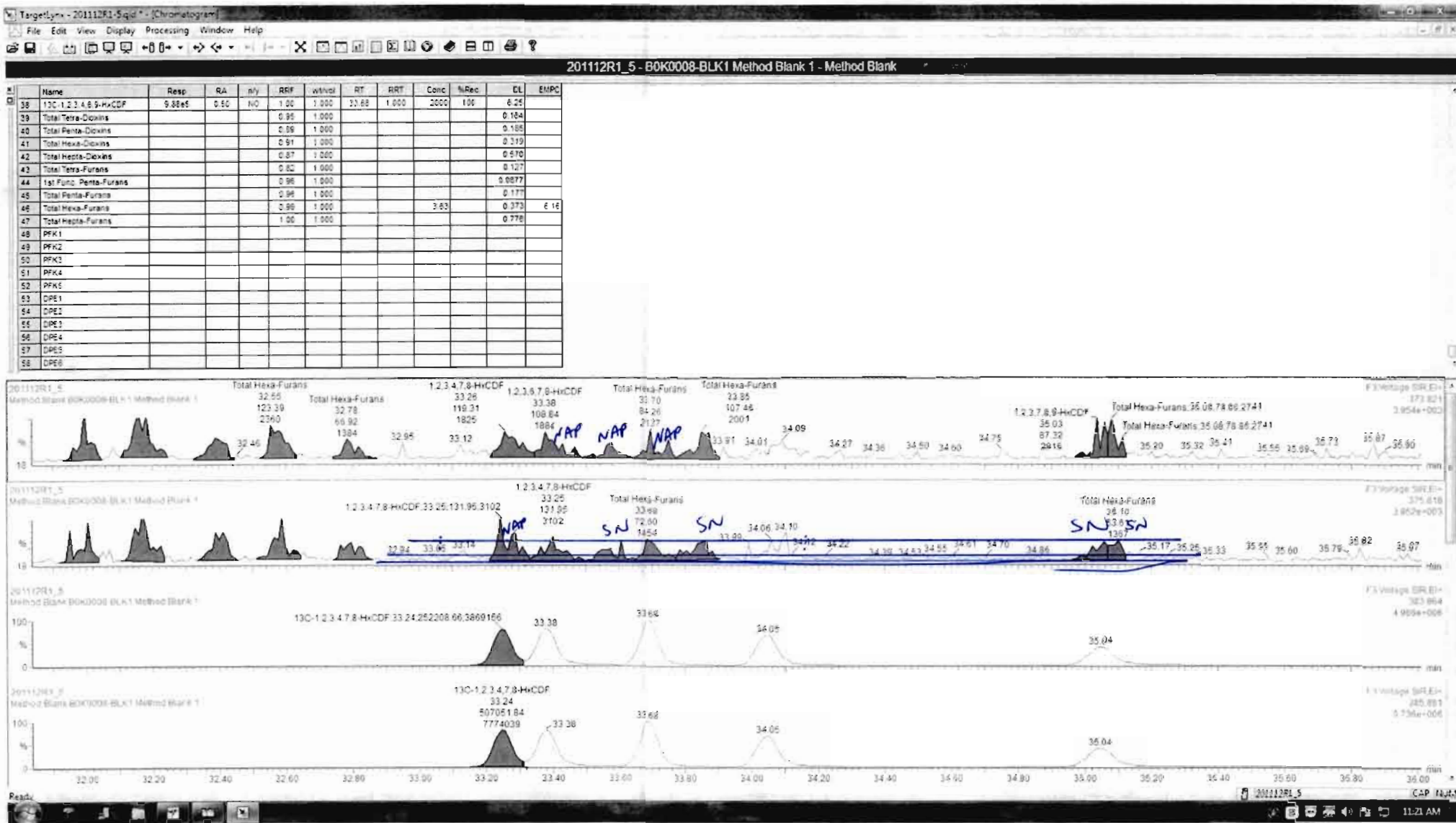


13C-1,2,3,4,7,8-HxCDF



DPE3



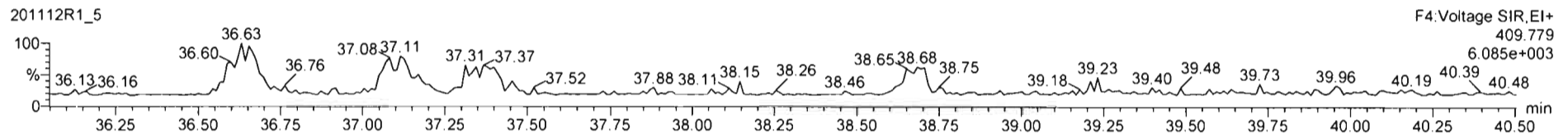
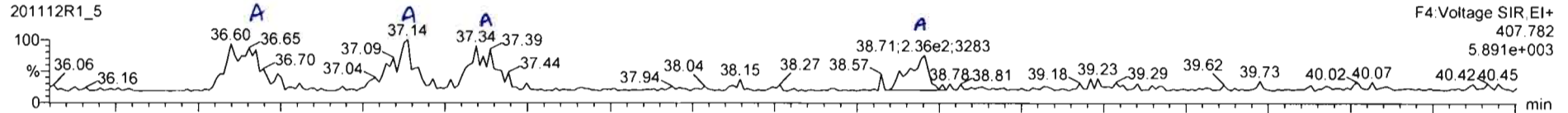


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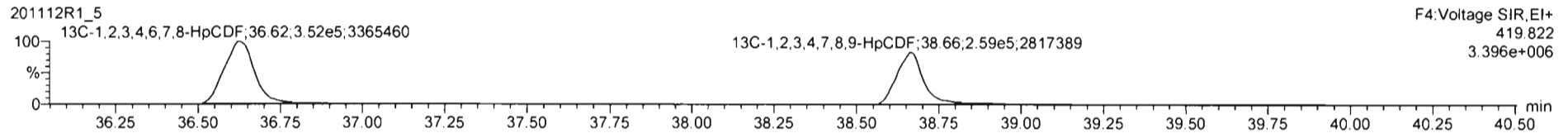
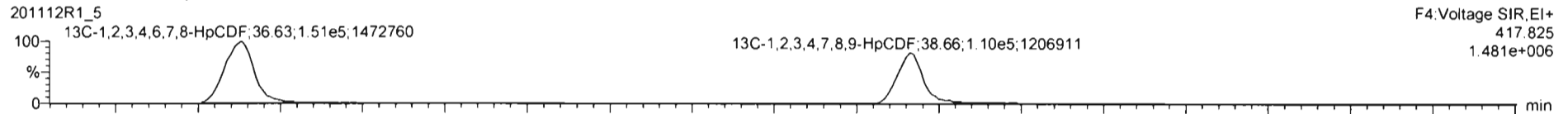
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Name: 201112R1_5, Date: 12-Nov-2020, Time: 10:06:46, ID: B0K0008-BLK1 Method Blank 1, Description: Method Blank

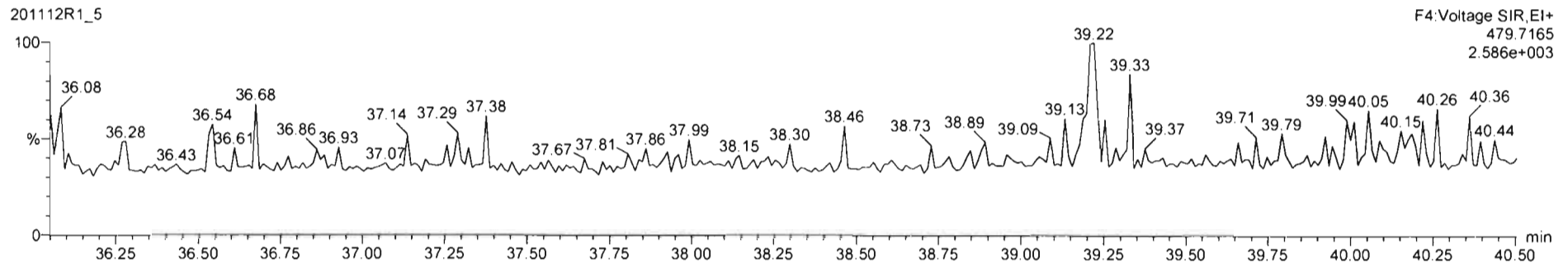
1,2,3,4,6,7,8-HpCDF

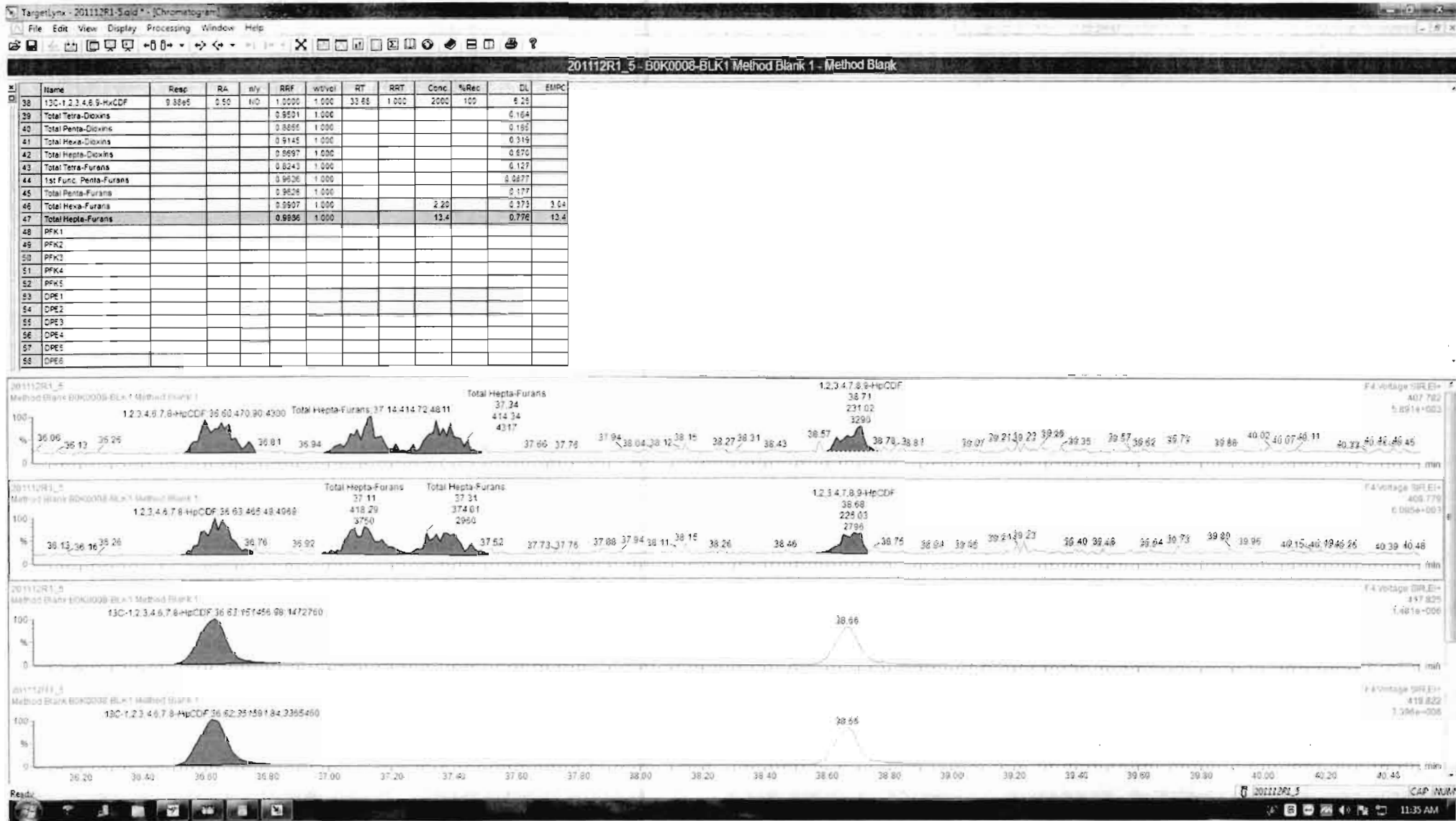


13C-1,2,3,4,6,7,8-HpCDF



DPE4

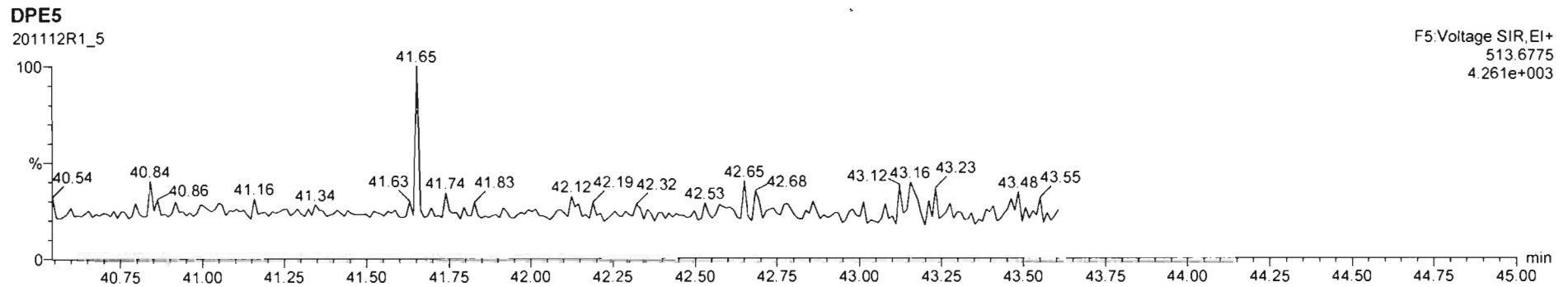
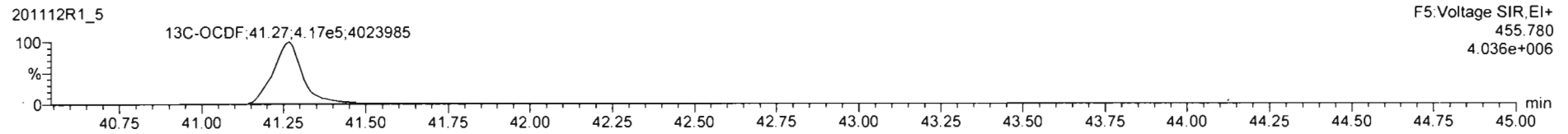
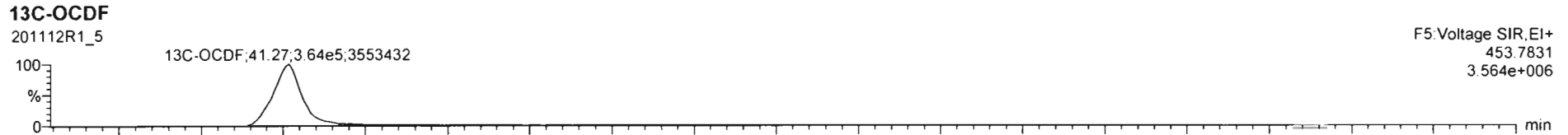
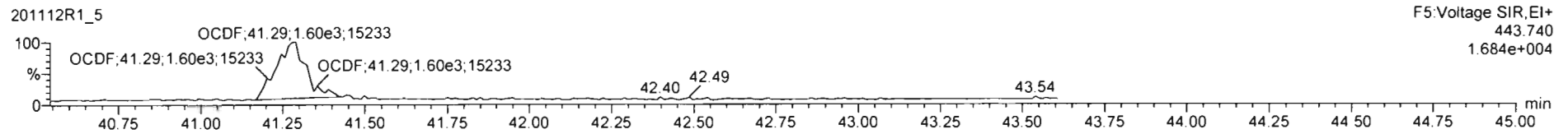
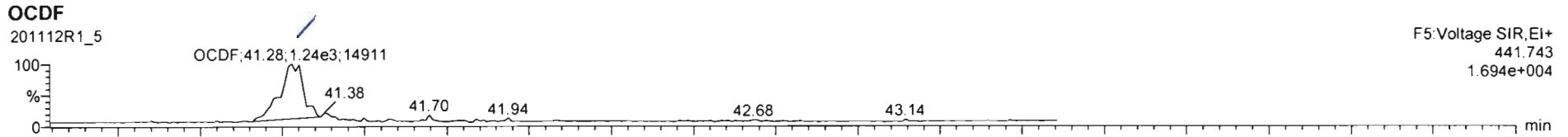




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Last Altered: Thursday, November 12, 2020 11:03:48 Pacific Standard Time
Printed: Thursday, November 12, 2020 11:03:54 Pacific Standard Time

Name: 201112R1_5, Date: 12-Nov-2020, Time: 10:06:46, ID: B0K0008-BLK1 Method Blank 1, Description: Method Blank

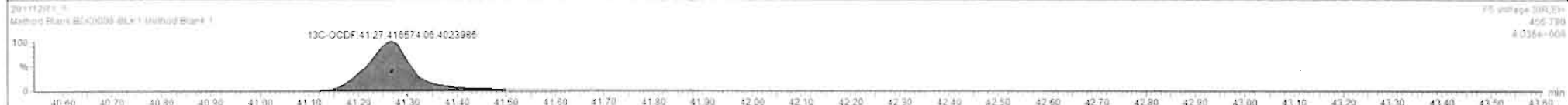


TargetLynx - 201112R1_5.qld - (Chromatogram)

File Edit View Display Processing Window Help

201112R1_5 - B0K0008-BLK1 Method Blank 1 - Method Blank

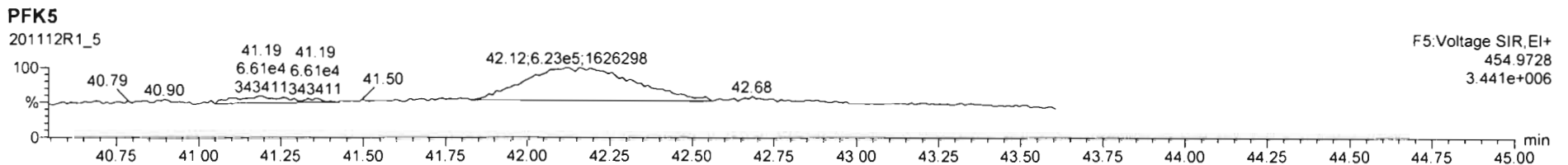
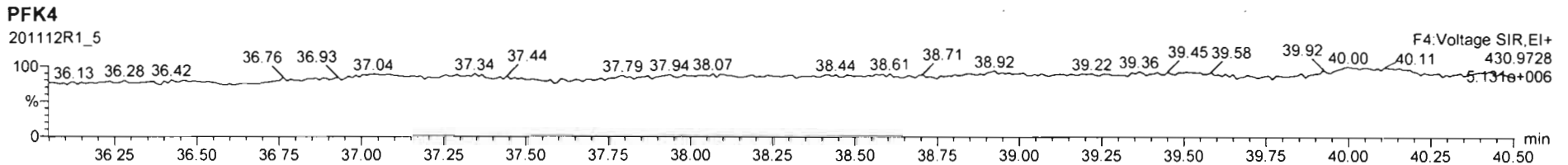
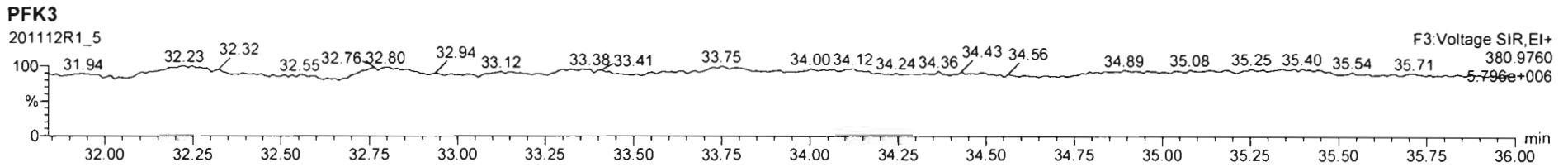
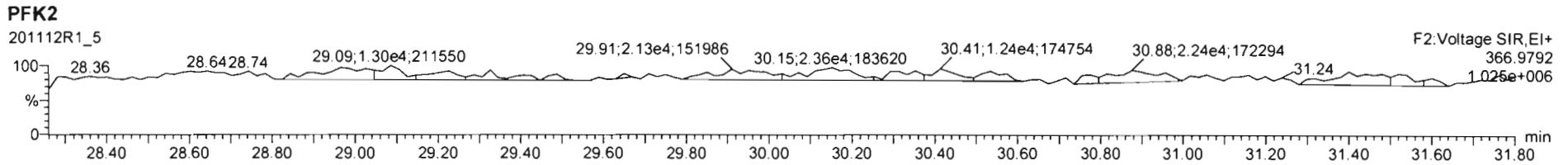
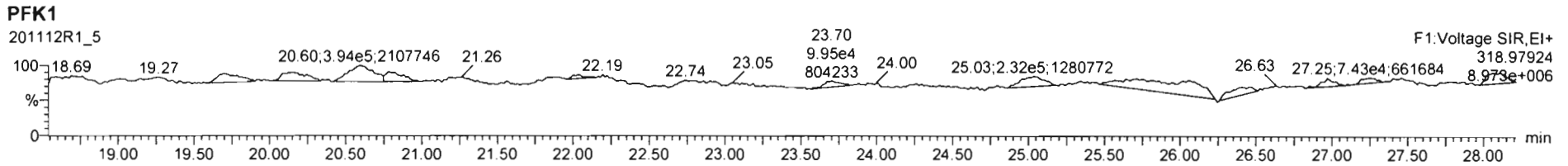
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18	13C-2,3,7,8-TCDD	1.15e6	0.79	NO	1.11	1.000	26.13	1.030	1700	85.1	2.08
19	13C-1,2,3,7,8-PeCDD	9.20e5	0.62	NO	0.86	1.000	30.84	1.216	1760	87.8	3.05
20	13C-1,2,3,4,7,8-HxCDD	8.24e5	1.26	NO	0.70	1.000	34.16	1.014	1800	90.2	5.43
21	13C-1,2,3,6,7,8-HxCDD	7.62e5	1.27	NO	0.83	1.000	34.28	1.018	1850	92.8	4.56
22	13C-1,2,3,7,8,9-HxCDD	6.65e5	1.16	NO	0.76	1.000	34.55	1.028	1920	91.4	4.98
23	13C-1,2,3,4,6,7,8,9-HpCDD	4.86e5	1.04	NO	0.66	1.000	39.04	1.129	1520	75.9	7.72
24	13C-OCDF	6.67e5	0.93	NO	0.54	1.000	43.97	1.216	2620	66.4	7.57
25	13C-2,3,7,8-TCDF	1.51e6	0.77	NO	0.98	1.000	25.42	1.003	1710	85.5	1.70
26	13C-1,2,3,7,8-PeCDF	1.30e5	1.55	NO	0.78	1.000	29.57	1.166	1820	91.0	5.93
27	13C-2,3,4,7,8-PeCDF	1.32e6	1.57	NO	0.78	1.000	30.84	1.208	1880	94.4	6.04
28	13C-1,2,3,4,7,8-HxCDF	7.59e5	0.50	NO	0.95	1.000	33.24	0.987	1610	80.6	8.35
29	13C-1,2,3,6,7,8-HxCDF	8.20e5	0.50	NO	1.01	1.000	33.38	0.991	1680	82.9	8.21
30	13C-2,3,4,6,7,8-HxCDF	7.43e5	0.50	NO	0.92	1.000	34.05	1.011	1630	81.7	8.79
31	13C-1,2,3,7,8,9-HxCDF	5.90e5	0.50	NO	0.90	1.000	35.04	1.040	1490	74.4	7.78
32	13C-1,2,3,4,6,7,8,9-HpCDF	5.03e5	0.43	NO	0.74	1.000	36.63	1.087	1390	69.3	8.47
33	13C-1,2,3,4,7,8,9-HpCDF	3.70e5	0.43	NO	0.57	1.000	36.66	1.148	1320	65.9	8.39
34	13C-OCDF	7.74e5	0.86	NO	0.63	1.000	41.27	1.225	2490	62.3	8.51
35	37Cl-2,3,7,8-TCDD	4.99e5			1.05	1.000	26.14	1.031	746	93.3	0.488
36	13C-1,2,3,4-TCDD	1.22e6	0.79	NO	1.30	1.000	25.36	1.000	2000	100	2.30
37	13C-1,2,3,4-TCDF	1.60e6	0.76	NO	1.30	1.000	23.86	1.000	2000	100	1.67



Dataset: Untitled

Last Altered: Thursday, November 12, 2020 11:03:48 Pacific Standard Time
Printed: Thursday, November 12, 2020 11:03:54 Pacific Standard Time

Name: 201112R1_5, Date: 12-Nov-2020, Time: 10:06:46, ID: B0K0008-BLK1 Method Blank 1, Description: Method Blank



Dataset: U:\VG12.PRO\Results\201112R1\201112R1-3.qld

Last Altered: Thursday, November 12, 2020 10:11:13 AM Pacific Standard Time
Printed: Friday, November 13, 2020 7:41:23 AM Pacific Standard Time

GRB 11/13/2020

Method: U:\VG12.PRO\MethDB\1613rrt-11-11-20.mdb 12 Nov 2020 07:51:39
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-10-20-20.cdb 20 Oct 2020 13:36:10

C7 11/16/2020

Name: 201112R1_3, Date: 12-Nov-2020, Time: 08:36:04, ID: B0K0008-BS1 OPR 1, Description: OPR

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	1.08e5	0.76	NO	0.950	1.000	26.141	26.14	1.001	1.001	194.41		0.572	194
2	2 1,2,3,7,8-PeCDD	4.33e5	0.62	NO	0.885	1.000	30.825	30.84	1.000	1.001	997.39		0.875	997
3	3 1,2,3,4,7,8-HxCDD	3.33e5	1.22	NO	1.02	1.000	34.155	34.16	1.000	1.000	957.90		3.18	958
4	4 1,2,3,6,7,8-HxCDD	3.61e5	1.18	NO	0.915	1.000	34.265	34.28	1.000	1.001	921.24		3.03	921
5	5 1,2,3,7,8,9-HxCDD	3.23e5	1.24	NO	0.934	1.000	34.540	34.55	1.000	1.001	946.48		3.66	946
6	6 1,2,3,4,6,7,8-HpCDD	2.24e5	1.01	NO	0.870	1.000	38.025	38.04	1.000	1.000	938.39		6.15	938
7	7 OCDD	3.38e5	0.87	NO	0.872	1.000	40.972	40.98	1.000	1.000	1843.8		7.04	1840
8	8 2,3,7,8-TCDF	1.12e5	0.74	NO	0.824	1.000	25.425	25.45	1.000	1.001	176.55		0.500	177
9	9 1,2,3,7,8-PeCDF	6.28e5	1.55	NO	0.963	1.000	29.577	29.59	1.000	1.001	934.37		1.43	934
10	10 2,3,4,7,8-PeCDF	6.91e5	1.54	NO	1.07	1.000	30.635	30.64	1.000	1.000	932.46		1.34	932
11	11 1,2,3,4,7,8-HxCDF	3.61e5	1.22	NO	0.953	1.000	33.235	33.24	1.000	1.000	918.44		2.69	918
12	12 1,2,3,6,7,8-HxCDF	4.13e5	1.25	NO	1.01	1.000	33.366	33.39	1.000	1.001	923.93		2.48	924
13	13 2,3,4,6,7,8-HxCDF	3.77e5	1.19	NO	0.991	1.000	34.038	34.05	1.000	1.000	901.76		2.92	902
14	14 1,2,3,7,8,9-HxCDF	2.94e5	1.21	NO	0.951	1.000	35.023	35.04	1.000	1.001	935.15		4.61	935
15	15 1,2,3,4,6,7,8-HpCDF	2.65e5	0.99	NO	0.999	1.000	36.614	36.62	1.000	1.000	927.52		4.89	928
16	16 1,2,3,4,7,8,9-HpCDF	2.17e5	1.00	NO	1.12	1.000	38.639	38.66	1.000	1.001	931.29		5.31	931
17	17 OCDF	3.70e5	0.86	NO	0.868	1.000	41.254	41.26	1.000	1.000	1835.3		6.22	1840
18	18 13C-2,3,7,8-TCDD	1.17e6	0.78	NO	1.11	1.000	26.119	26.11	1.030	1.030	1729.6	86.5	1.52	
19	19 13C-1,2,3,7,8-PeCDD	9.80e5	0.63	NO	0.859	1.000	30.845	30.82	1.216	1.215	1863.2	93.2	2.08	
20	20 13C-1,2,3,4,7,8-HxCDD	6.84e5	1.33	NO	0.700	1.000	34.142	34.15	1.014	1.014	1851.8	92.6	4.55	
21	21 13C-1,2,3,6,7,8-HxCDD	8.58e5	1.21	NO	0.833	1.000	34.280	34.26	1.018	1.017	1951.8	97.6	3.82	
22	22 13C-1,2,3,7,8,9-HxCDD	7.31e5	1.23	NO	0.762	1.000	34.523	34.53	1.025	1.025	1819.0	90.9	4.18	
23	23 13C-1,2,3,4,6,7,8-HpCDD	5.49e5	1.06	NO	0.650	1.000	38.008	38.03	1.129	1.129	1601.3	80.1	7.35	
24	24 13C-OCDD	8.42e5	0.89	NO	0.539	1.000	40.975	40.97	1.217	1.217	2957.0	73.9	7.72	
25	25 13C-2,3,7,8-TCDF	1.54e6	0.76	NO	0.981	1.000	25.439	25.42	1.003	1.002	1744.0	87.2	1.87	
26	26 13C-1,2,3,7,8-PeCDF	1.40e6	1.57	NO	0.792	1.000	29.575	29.57	1.166	1.166	1963.9	98.2	4.78	
27	27 13C-2,3,4,7,8-PeCDF	1.39e6	1.59	NO	0.778	1.000	30.635	30.64	1.208	1.208	1985.6	99.3	4.87	
28	28 13C-1,2,3,4,7,8-HxCDF	8.25e5	0.50	NO	0.954	1.000	33.233	33.24	0.987	0.987	1639.2	82.0	5.99	
29	29 13C-1,2,3,6,7,8-HxCDF	8.88e5	0.51	NO	1.01	1.000	33.364	33.37	0.991	0.991	1671.8	83.6	5.68	
30	30 13C-2,3,4,6,7,8-HxCDF	8.43e5	0.49	NO	0.921	1.000	34.034	34.03	1.011	1.011	1734.2	86.7	6.20	
31	31 13C-1,2,3,7,8,9-HxCDF	6.61e5	0.50	NO	0.803	1.000	35.031	35.02	1.040	1.040	1557.9	77.9	7.11	

Dataset: U:\VG12.PRO\Results\201112R1\201112R1-3.qld

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Printed: Friday, November 13, 2020 7:41:23 AM Pacific Standard Time

Name: 201112R1_3, Date: 12-Nov-2020, Time: 08:36:04, ID: B0K0008-BS1 OPR 1, Description: OPR

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	5.72e5	0.42	NO	0.735	1.000	36.600	36.61	1.087	1.087	1473.2	73.7	6.44	
33	13C-1,2,3,4,7,8,9-HpCDF	4.14e5	0.42	NO	0.568	1.000	38.638	38.64	1.147	1.147	1382.1	69.1	8.34	
34	13C-OCDF	9.30e5	0.87	NO	0.629	1.000	41.257	41.25	1.225	1.225	2800.4	70.0	5.94	
35	37Cl-2,3,7,8-TCDD	4.89e5			1.09	1.000	26.119	26.14	1.030	1.031	733.84	91.7	0.374	
33	13C-1,2,3,4-TCDD	1.22e6	0.81	NO	1.00	1.000	25.370	25.36	1.000	1.000	2000.0	100	1.68	
37	13C-1,2,3,4-TCDF	1.80e6	0.79	NO	1.00	1.000	23.870	23.86	1.000	1.000	2000.0	100	1.83	
38	13C-1,2,3,4,6,9-HxCDF	1.06e6	0.50	NO	1.00	1.000	33.710	33.67	1.000	1.000	2000.0	100	5.71	

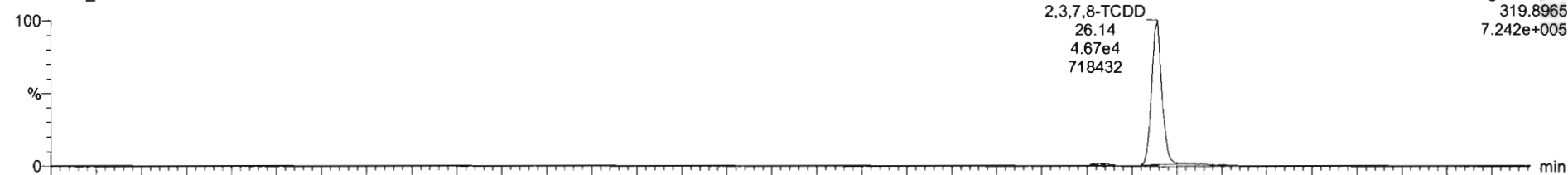
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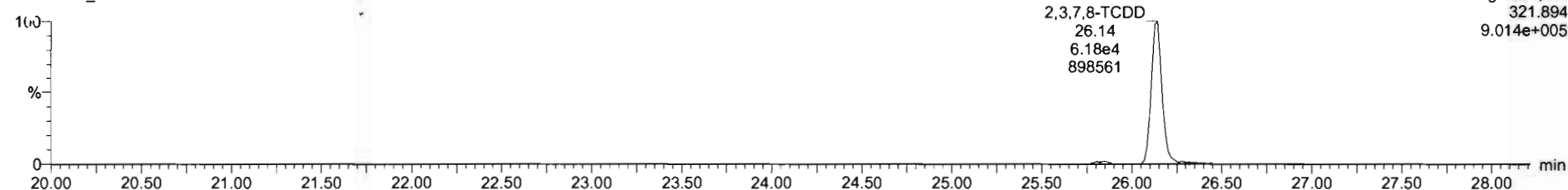
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2,3,7,8-TCDD

201112R1_3

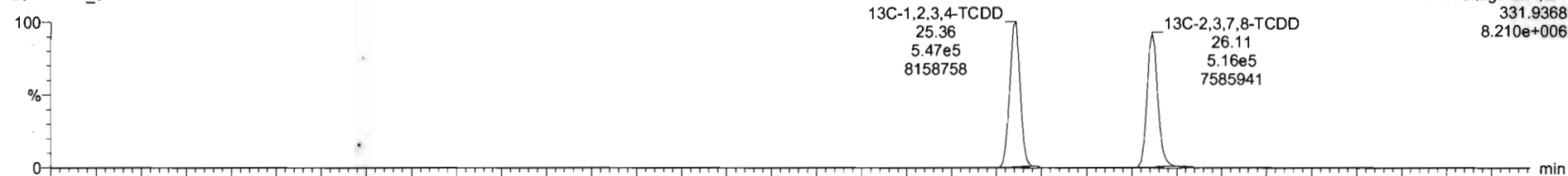


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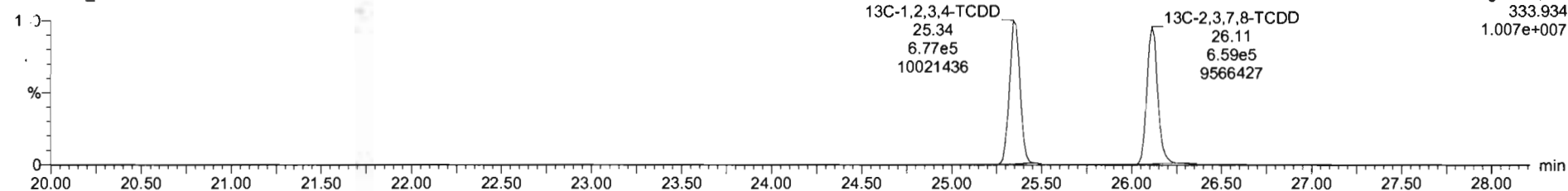


13C-2,3,7,8-TCDD

201112R1_3



201112R1_3



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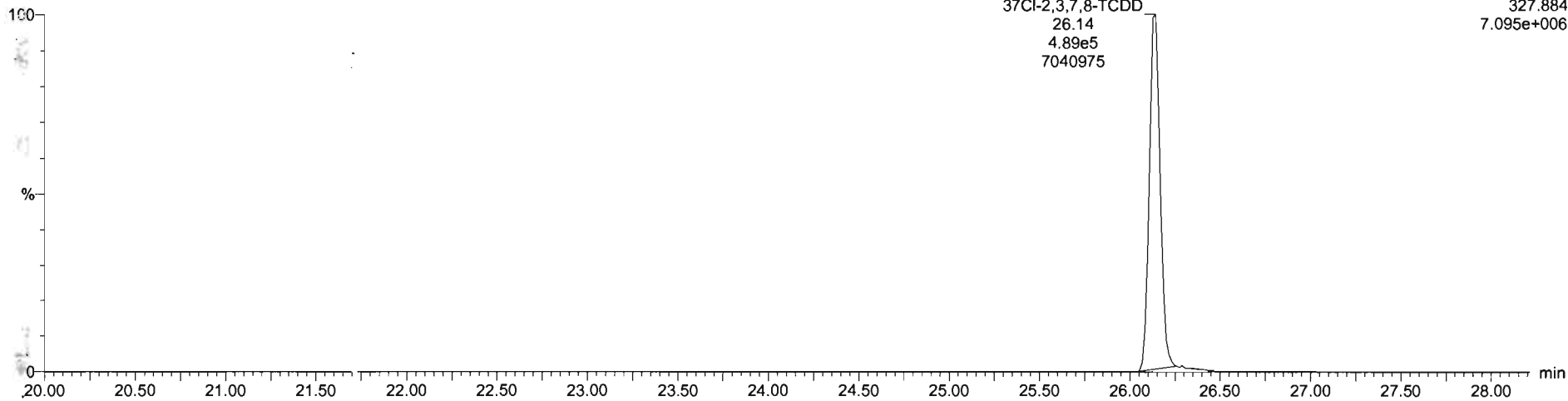
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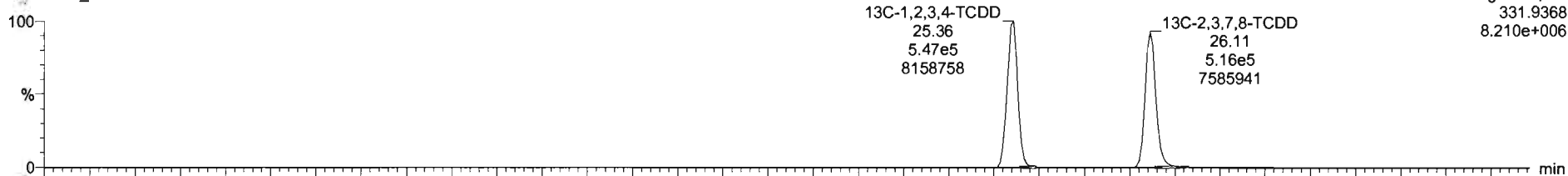
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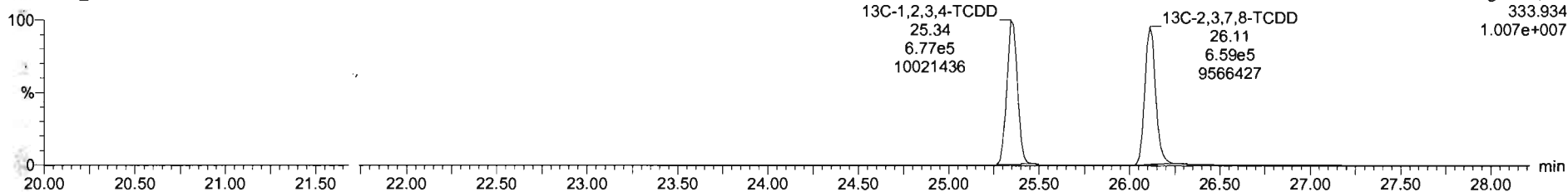


13C-1,2,3,4-TCDD

201112R1_3



201112R1_3



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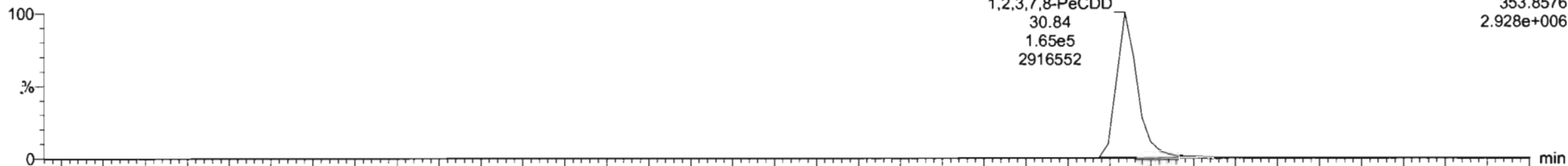
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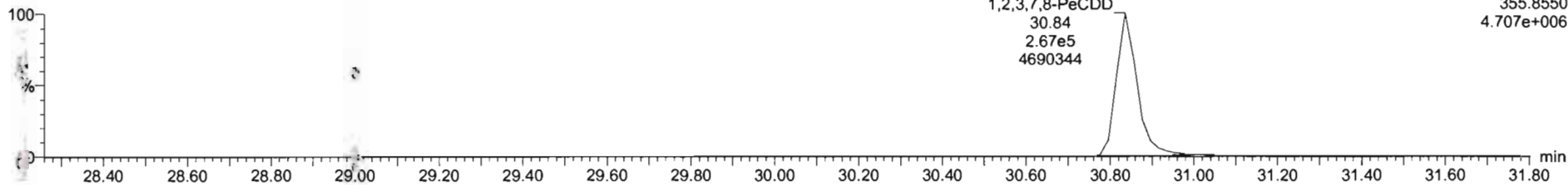
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1,2,3,7,8-PeCDD

201112R1_3



201112R1_3

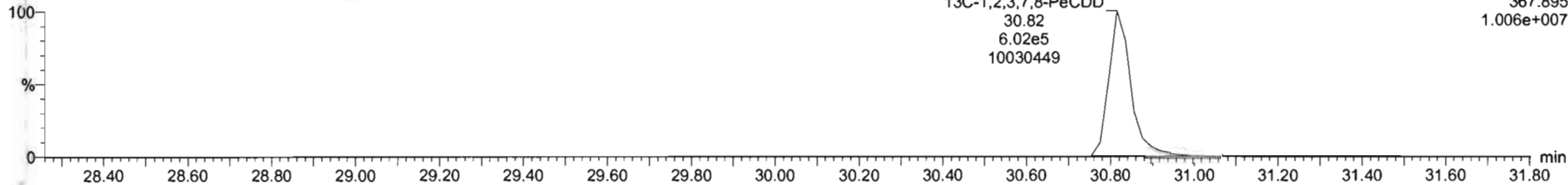


13C-1,2,3,7,8-PeCDD

201112R1_3



201112R1_3



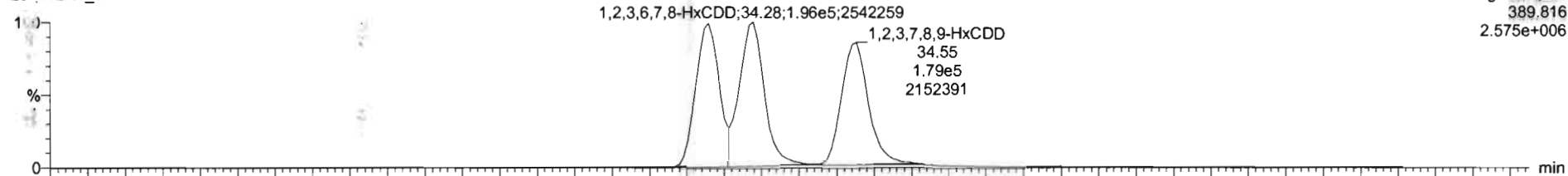
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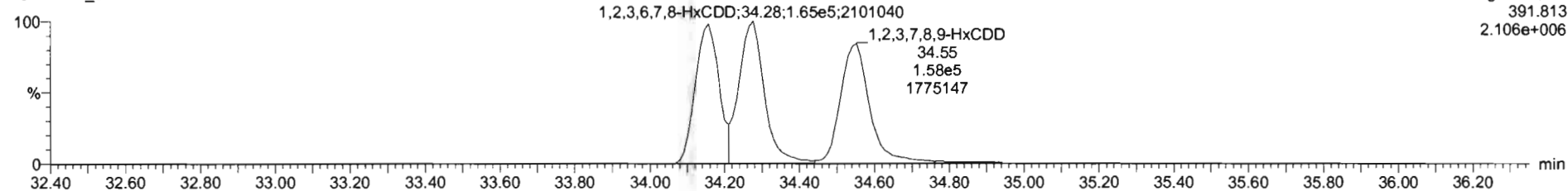
1,2,3,4,7,8-HxCDD

201112R1_3



F3: Voltage SIR, EI+
389.816
2.575e+006

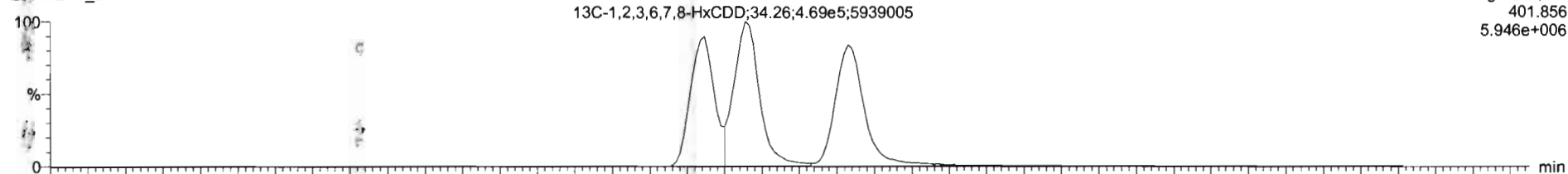
201112R1_3



F3: Voltage SIR, EI+
391.813
2.106e+006

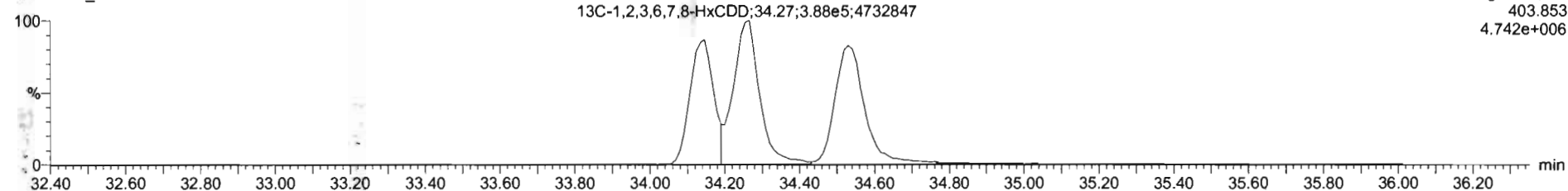
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201112R1_3



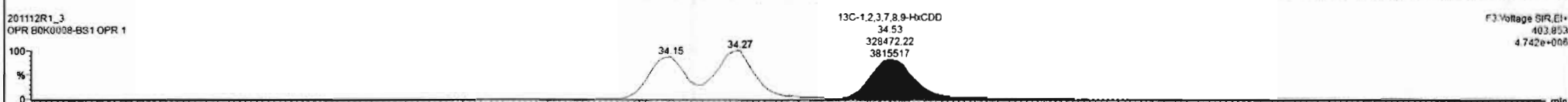
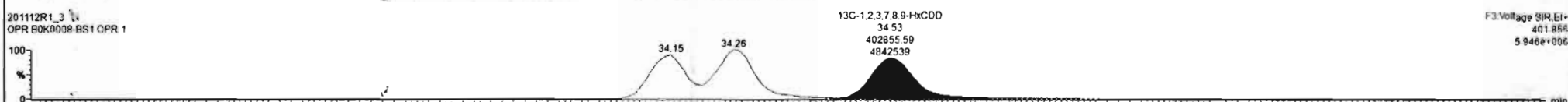
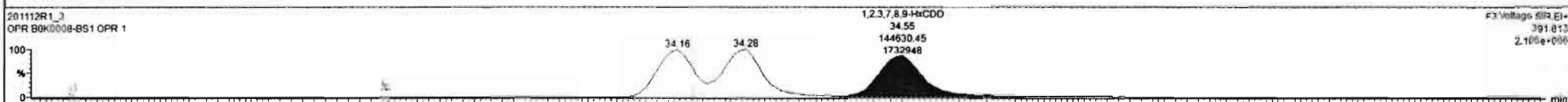
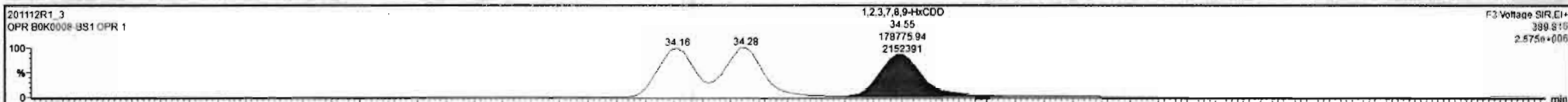
F3: Voltage SIR, EI+
401.856
5.946e+006

201112R1_3



F3: Voltage SIR, EI+
403.853
4.742e+006

Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.09e5	0.78	NO	0.9501	1.000	26.14	1.901	194	0.572	194
2	1,2,3,7,8-PeCDD	4.33e5	0.82	NO	0.8855	1.000	30.84	1.001	997	0.875	997
3	1,2,3,4,7,8-HxCDD	3.33e5	1.22	NO	1.0176	1.000	34.15	1.000	958	3.18	958
4	1,2,3,6,7,8-HxCDD	3.61e5	1.18	NO	0.9145	1.000	34.28	1.001	921	3.03	921
5	1,2,3,7,8,9-HxCDD	3.23e5	1.24	NO	0.9345	1.000	34.55	1.001	946	3.66	946
6	1,2,3,4,6,7,8-HpCDD	2.24e5	1.01	NO	0.8697	1.000	38.04	1.000	938	6.15	938
7	OCDD	3.38e5	0.87	NO	0.8717	1.000	40.88	1.000	1840	7.94	1840
8	2,3,7,8-TCDF	1.12e5	0.74	NO	0.8243	1.000	25.45	1.001	177	0.500	177
9	1,2,3,7,8-PeCDF	6.28e5	1.55	NO	0.9626	1.000	29.59	1.001	934	1.43	934
10	2,3,4,7,8-PeCDF	6.91e5	1.54	NO	1.0684	1.000	30.64	1.000	932	1.34	932
11	1,2,3,4,7,8-HxCDF	3.61e5	1.22	NO	0.9535	1.000	33.24	1.000	918	2.69	918
12	1,2,3,6,7,8-HxCDF	4.13e5	1.25	NO	1.0080	1.000	33.39	1.001	924	2.46	924
13	2,3,4,6,7,8-HxCDF	3.77e5	1.19	NO	0.9907	1.000	34.05	1.000	902	2.92	902
14	1,2,3,7,8,9-HxCDF	2.94e5	1.21	NO	0.9506	1.000	35.04	1.001	935	4.61	935
15	1,2,3,4,6,7,8-HpCDF	2.65e5	0.99	NO	0.9986	1.000	36.62	1.000	928	4.89	928
16	1,2,3,4,7,8,9-HpCDF	2.17e5	1.00	NO	1.1238	1.000	38.66	1.001	931	5.31	931
17	OCDF	3.70e5	0.86	NO	0.8682	1.000	41.28	1.000	1840	6.22	1840
18	13C-2,3,7,8-TCDD	1.17e6	0.78	NO	1.1089	1.000	26.11	1.030	1730	86.5	1.52
19	13C-1,2,3,7,8-PeCDD	9.89e5	0.83	NO	0.8585	1.000	30.82	1.215	1660	93.2	2.08
20	13C-1,2,3,4,7,8-HxCDD	6.84e5	1.33	NO	0.8997	1.000	34.15	1.014	1850	92.6	4.55
21	13C-1,2,3,6,7,8-HxCDD	8.58e5	1.21	NO	0.8327	1.000	34.26	1.017	1950	97.6	3.82



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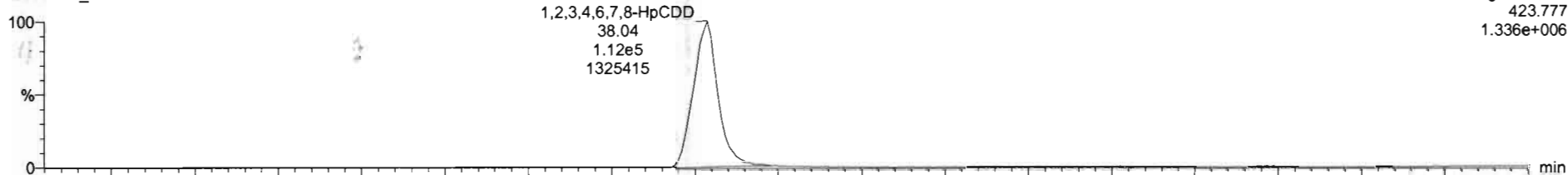
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Printed: Friday, November 13, 2020 6:57:47 AM Pacific Standard Time

Name: 201112R1_3, Date: 12-Nov-2020, Time: 08:36:04, ID: B0K0008-BS1 OPR 1, Description: OPR

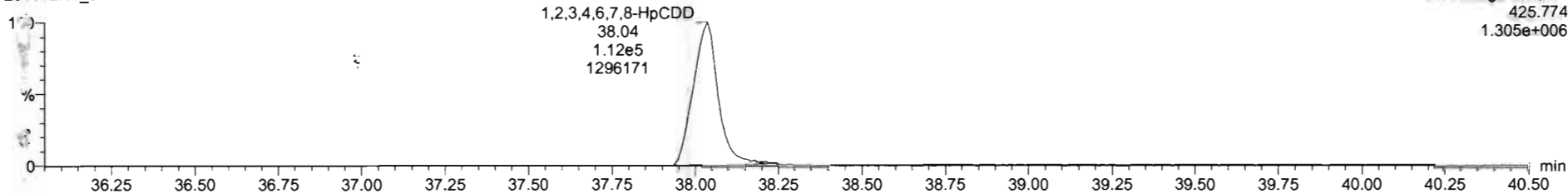
1,2,3,4,6,7,8-HpCDD

201112R1_3



F4:Voltage SIR,EI+
423.777
1.336e+006

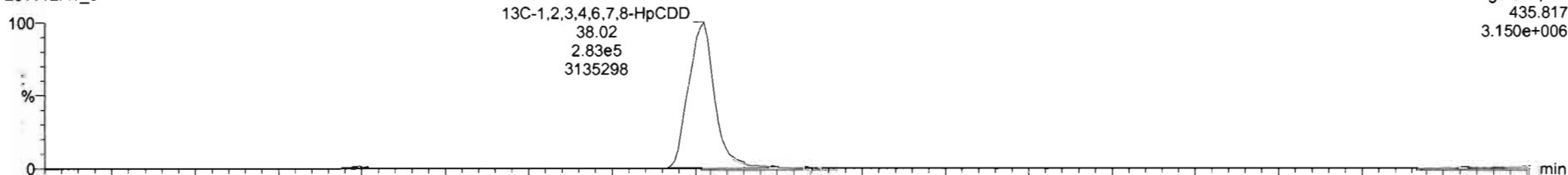
201112R1_3



F4:Voltage SIR,EI+
425.774
1.305e+006

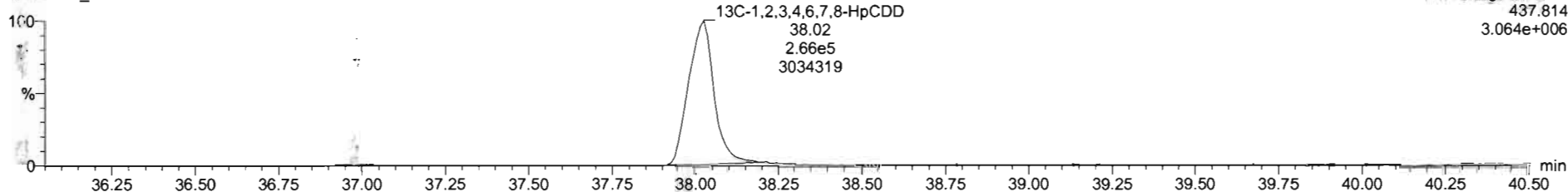
13C-1,2,3,4,6,7,8-HpCDD

201112R1_3



F4:Voltage SIR,EI+
435.817
3.150e+006

201112R1_3



F4:Voltage SIR,EI+
437.814
3.064e+006

Dataset: Untitled

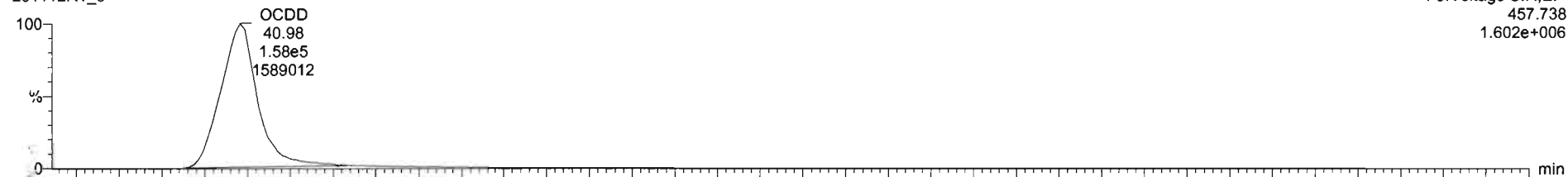
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Printed: Friday, November 13, 2020 6:57:47 AM Pacific Standard Time

Name: 201112R1_3, Date: 12-Nov-2020, Time: 08:36:04, ID: B0K0008-BS1 OPR 1, Description: OPR

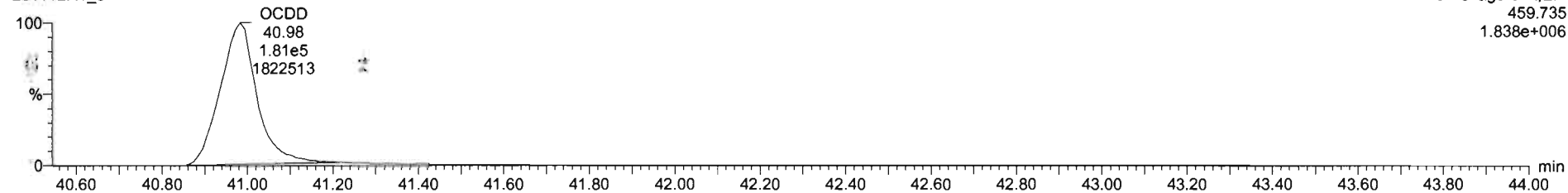
OCDD

201112R1_3



F5:Voltage SIR,EI+
457.738
1.602e+006

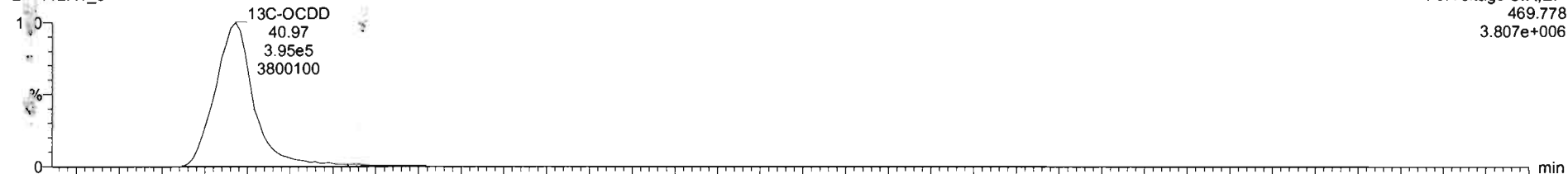
201112R1_3



F5:Voltage SIR,EI+
459.735
1.838e+006

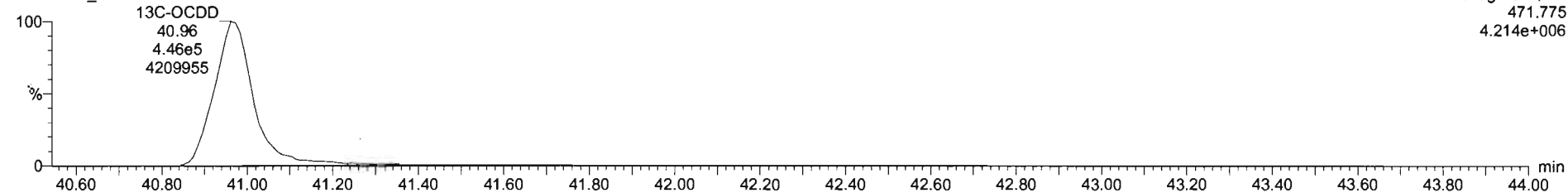
13C-OCDD

201112R1_3



F5:Voltage SIR,EI+
469.778
3.807e+006

201112R1_3



F5:Voltage SIR,EI+
471.775
4.214e+006

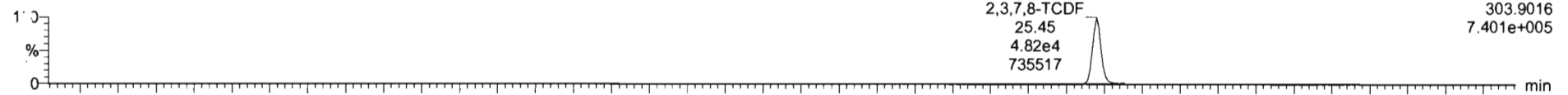
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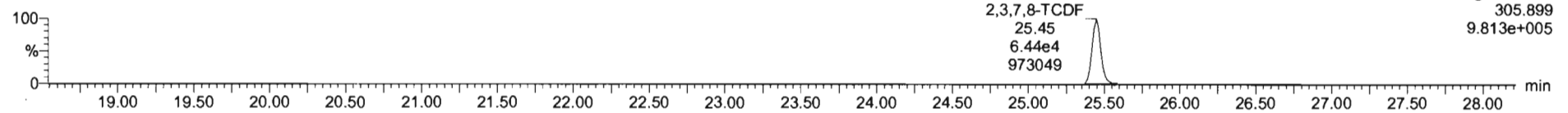
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2,3,7,8-TCDF

201112R1_3

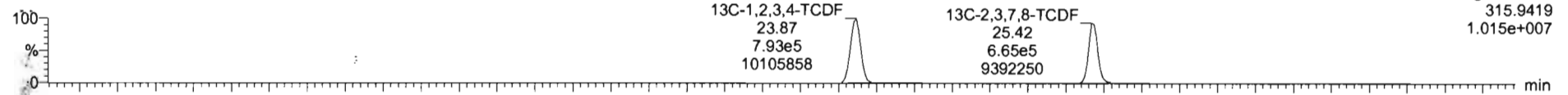


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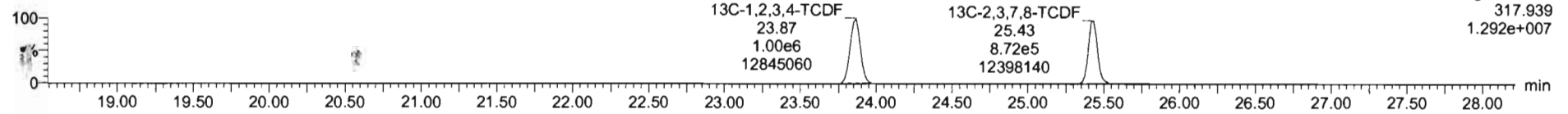


13C-2,3,7,8-TCDF

201112R1_3

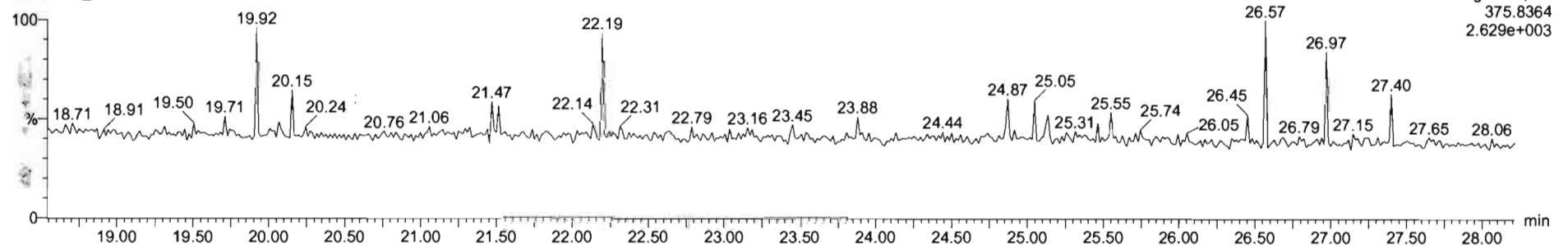


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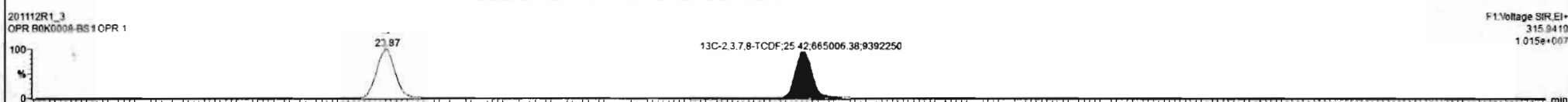
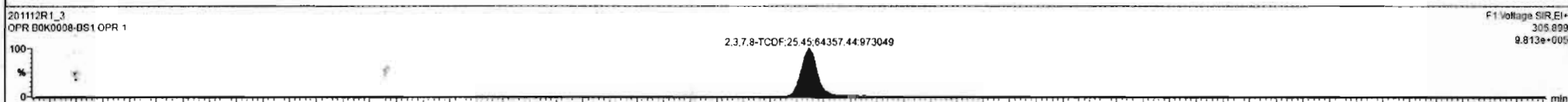
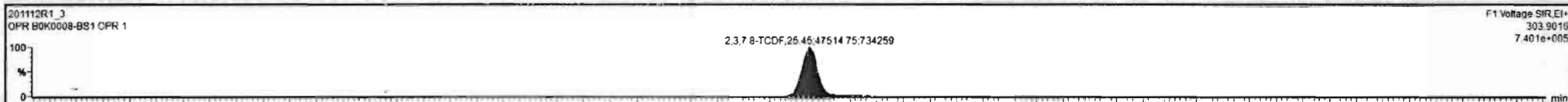


DPE1

201112R1_3



#	Name	Resp	RA	n/y	RRF	wt/vel	RT	RRT	Conc	%Rec	DI	EMPC
1	2,3,7,8-TCDD	1.08e5	0.78	NO	0.9501	1.000	26.14	1.001	194		0.572	194
2	1,2,3,7,8-PeCDD	4.33e5	0.82	NO	0.8855	1.000	30.64	1.001	997		0.875	997
3	1,2,3,4,7,8-HxCDD	3.33e5	1.22	NO	1.0176	1.000	34.16	1.000	956		3.18	956
4	1,2,3,6,7,8-HxCDD	3.61e5	1.18	NO	0.9145	1.000	34.28	1.001	921		3.03	921
5	1,2,3,7,8,9-HxCDD	3.23e5	1.24	NO	0.9345	1.000	34.55	1.001	946		3.66	946
6	1,2,3,4,6,7,8-HpCDD	2.24e5	1.01	NO	0.8697	1.000	38.04	1.000	938		6.15	938
7	OCDD	3.38e5	0.87	NO	0.8717	1.000	40.98	1.000	1840		7.04	1840
8	2,3,7,8-TCDF	1.12e5	0.74	NO	0.8243	1.000	25.45	1.001	177		0.500	177
9	1,2,3,7,8-PeCDF	6.28e5	1.55	NO	0.9626	1.000	29.59	1.001	934		1.43	934
10	2,3,4,7,8-PeCDF	6.91e5	1.54	NO	1.0684	1.000	30.64	1.000	932		1.34	932
11	1,2,3,4,7,8-HxCDF	3.61e5	1.22	NO	0.9535	1.000	33.24	1.000	918		2.69	918
12	1,2,3,6,7,8-HxCDF	4.13e5	1.25	NO	1.0080	1.000	33.39	1.001	924		2.48	924
13	2,3,4,6,7,8-HxCDF	3.77e5	1.19	NO	0.9907	1.000	34.05	1.000	902		2.92	902
14	1,2,3,7,8,9-HxCDF	2.94e5	1.21	NO	0.9508	1.000	35.04	1.001	935		4.81	935
15	1,2,3,4,6,7,8-HpCDF	2.65e5	0.99	NO	0.9986	1.000	36.62	1.000	928		4.89	928
16	1,2,3,4,7,8,9-HpCDF	2.17e5	1.00	NO	1.1238	1.000	38.60	1.001	931		5.31	931
17	OCDF	3.70e5	0.86	NO	0.8682	1.000	41.26	1.000	1840		6.22	1840
18	13C-2,3,7,8-TCDD	1.17e6	0.78	NO	1.1089	1.000	26.11	1.030	1730	86.5	1.52	
19	13C-1,2,3,7,8-PeCDD	9.80e5	0.83	NO	0.8585	1.000	30.62	1.215	1860	92.2	2.08	
20	13C-1,2,3,4,7,8-HxCDD	6.64e5	1.33	NO	0.8997	1.000	34.15	1.014	1850	92.8	4.55	
21	13C-1,2,3,6,7,8-HxCDD	8.58e5	1.21	NO	0.8327	1.000	34.26	1.017	1950	97.6	3.82	



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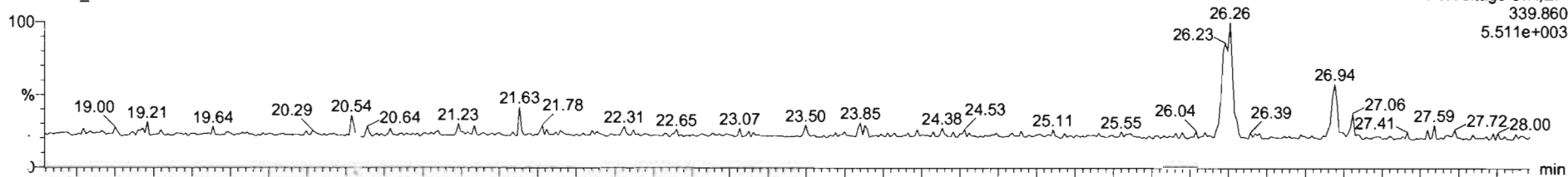
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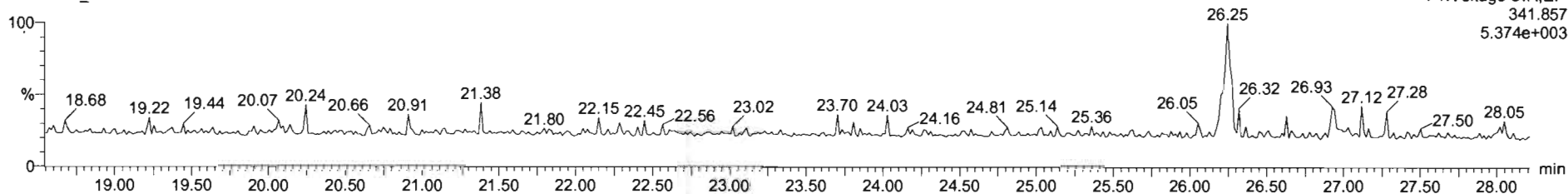
Name: 201112R1_3, Date: 12-Nov-2020, Time: 08:36:04, ID: B0K0008-BS1 OPR 1, Description: OPR

1s: Func. Penta-Furans

201112R1_3

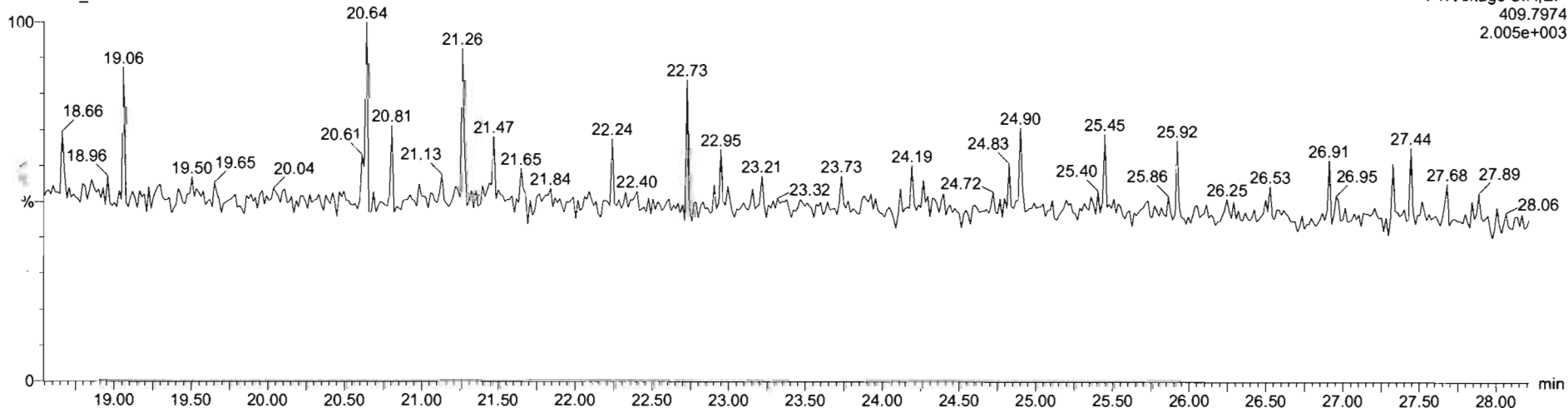


201112R1_3



DPE6

201112R1_3



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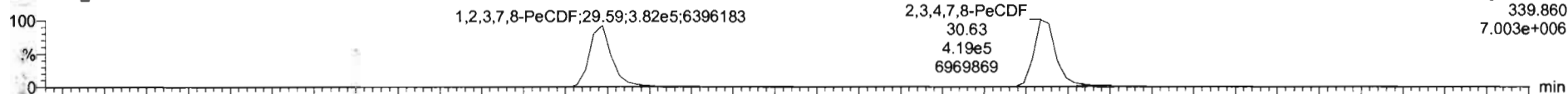
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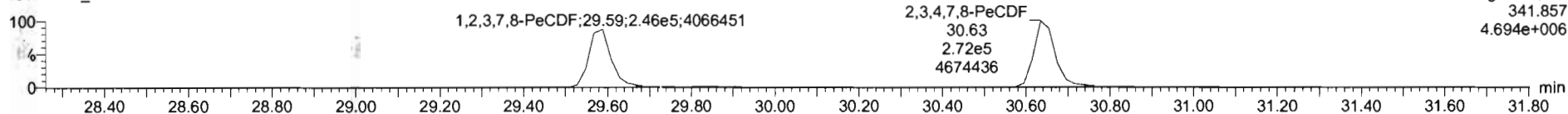
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1,2,3,7,8-PeCDF

201112R1_3

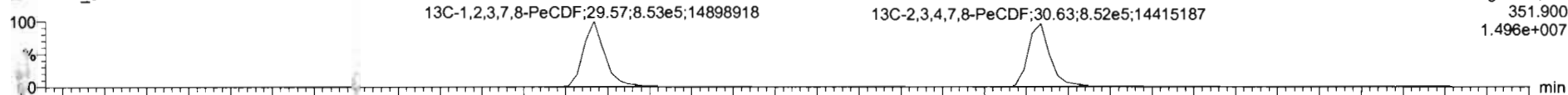


201112R1_3

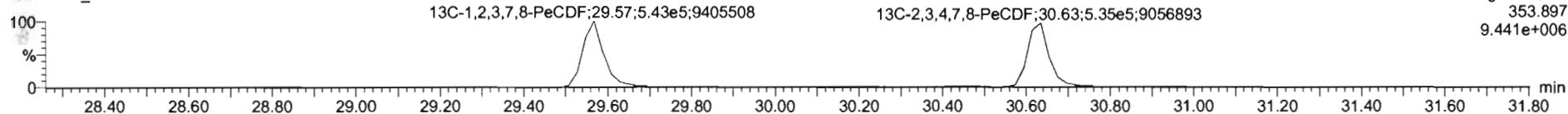


13C-1,2,3,7,8-PeCDF

201112R1_3

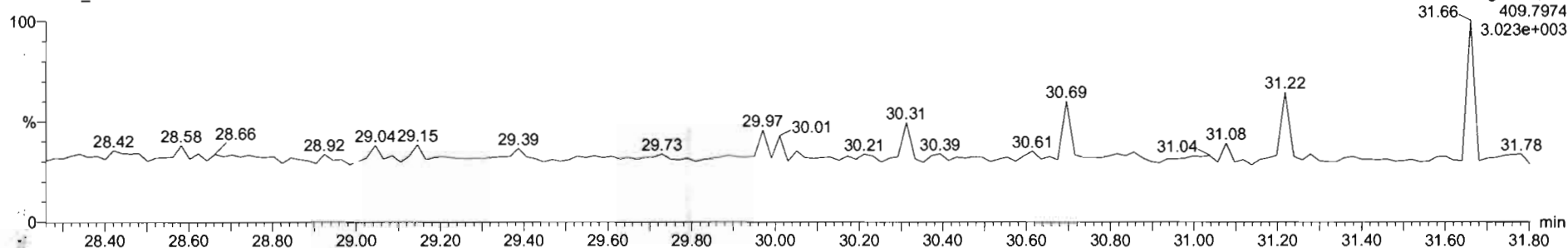


201112R1_3



DPE2

201112R1_3



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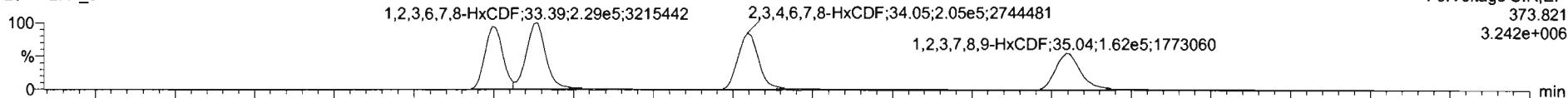
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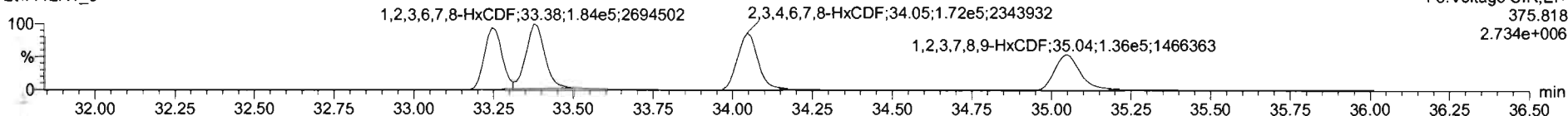
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1,2,3,4,7,8-HxCDF

201112R1_3

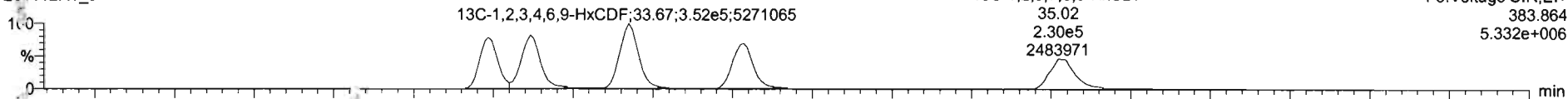


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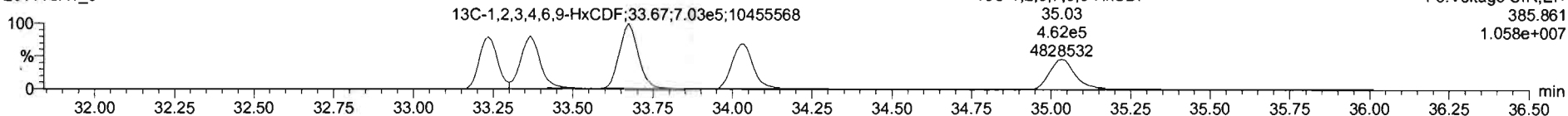


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201112R1_3

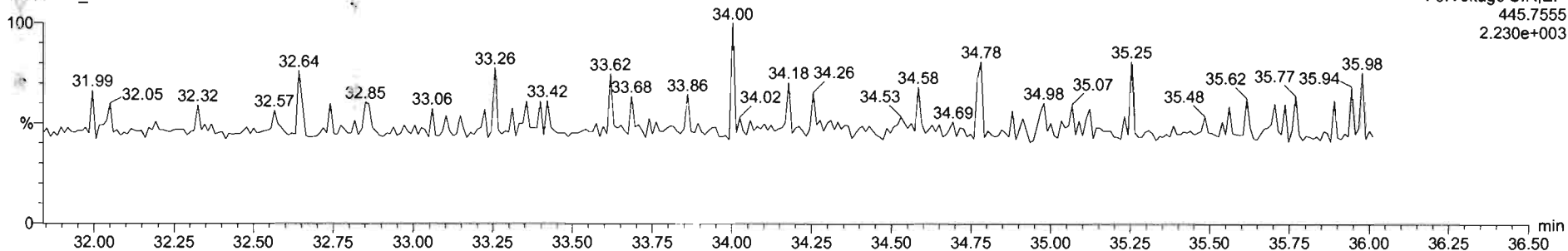


201112R1_3



DPE3

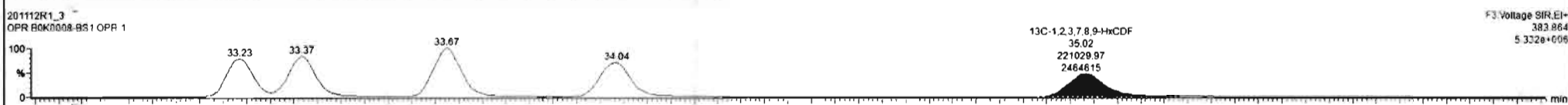
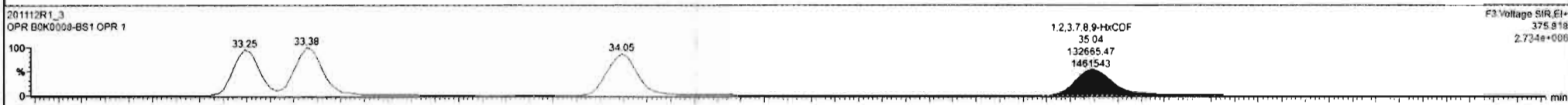
201112R1_3



TargetLynx - 201112R1_3.qtd - Chromatogram

201112R1_3_BOK0008_BS1_OPR1_OPR

ID	Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.08e5	0.78	NO	0.9501	1.000	28.14	1.001	194		0.572	194
2	1,2,3,7,8-PeCDD	4.33e5	0.62	NO	0.8855	1.000	30.84	1.001	997		0.875	997
3	1,2,3,4,7,8-HxCDD	3.33e5	1.22	NO	1.0178	1.000	34.16	1.000	955		3.18	958
4	1,2,3,6,7,8-HxCDD	3.61e5	1.18	NO	0.9145	1.000	34.28	1.001	921		3.03	921
5	1,2,3,7,9-HxCDD	3.23e5	1.24	NO	0.9345	1.000	34.55	1.001	946		3.66	946
6	1,2,3,4,6,7,8-HpCDD	2.24e5	1.01	NO	0.8697	1.000	38.04	1.000	938		6.15	938
7	OCDD	3.38e5	0.87	NO	0.8717	1.000	40.98	1.000	1840		7.04	1840
8	2,3,7,8-TCDF	1.12e5	0.74	NO	0.8243	1.000	25.45	1.001	177		0.500	177
9	1,2,3,7,8-PeCDF	6.28e5	1.55	NO	0.9626	1.000	29.59	1.001	934		1.43	934
10	2,3,4,7,8-PeCDF	6.91e5	1.54	NO	1.0684	1.000	30.84	1.000	932		1.34	932
11	1,2,3,4,7,8-HxCDF	3.61e5	1.22	NO	0.9535	1.000	33.24	1.000	918		2.69	918
12	1,2,3,6,7,8-HxCDF	4.13e5	1.25	NO	1.0080	1.000	33.39	1.001	924		2.48	924
13	2,3,4,6,7,8-HxCDF	3.77e5	1.19	NO	0.9907	1.000	34.05	1.000	902		2.92	902
14	1,2,3,7,8,9-HxCDF	2.84e5	1.21	NO	0.9908	1.000	35.84	1.001	935		4.81	935
15	1,2,3,4,6,7,8-HpCDF	2.65e5	0.99	NO	0.9985	1.000	36.62	1.000	928		4.69	928
16	1,2,3,4,7,8,9-HpCDF	2.17e5	1.00	NO	1.1238	1.000	38.68	1.001	931		5.31	931
17	OCDF	3.70e5	0.86	NO	0.8682	1.000	41.75	1.000	1840		6.22	1840
18	13C-2,3,7,8-TCDD	1.17e5	0.78	NO	1.1089	1.000	28.11	1.030	1730	86.5		1.52
19	13C-1,2,3,7,8-PeCDD	9.80e5	0.83	NO	0.8585	1.000	30.82	1.215	1860	93.2		2.08
20	13C-1,2,3,4,7,8-HxCDD	6.84e5	1.33	NO	0.8997	1.000	34.15	1.014	1850	92.6		4.55
21	13C-1,2,3,6,7,8-HxCDD	8.58e5	1.21	NO	0.8327	1.000	34.26	1.017	1950	97.6		3.82



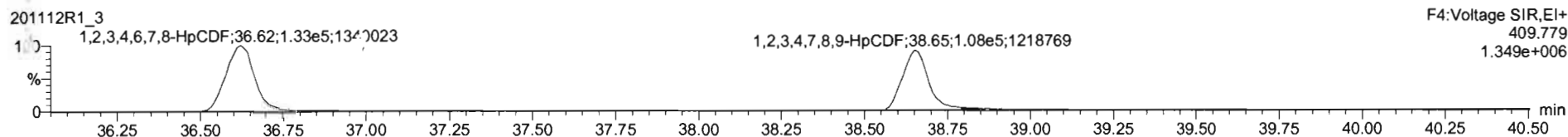
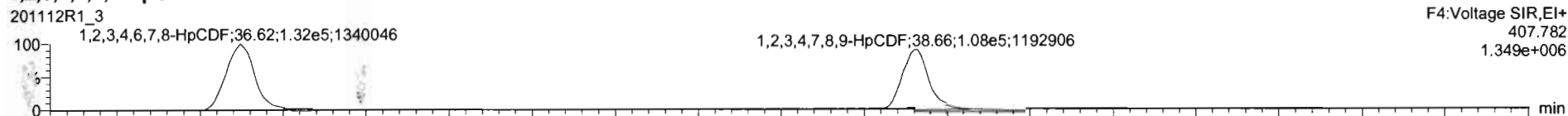
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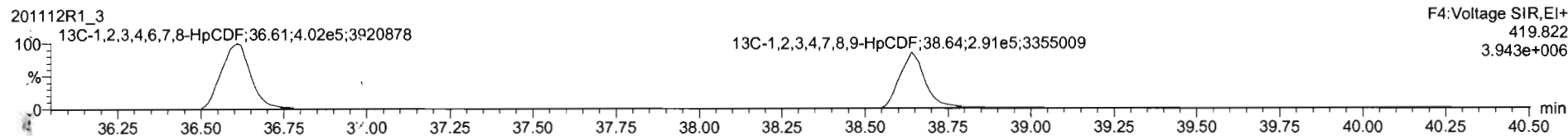
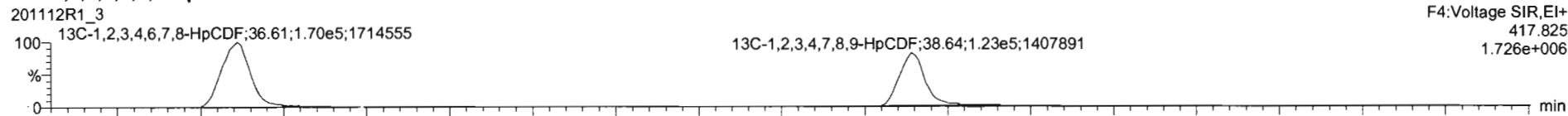
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Name: 201112R1_3, Date: 12-Nov-2020, Time: 08:36:04, ID: B0K0008-BS1 OPR 1, Description: OPR

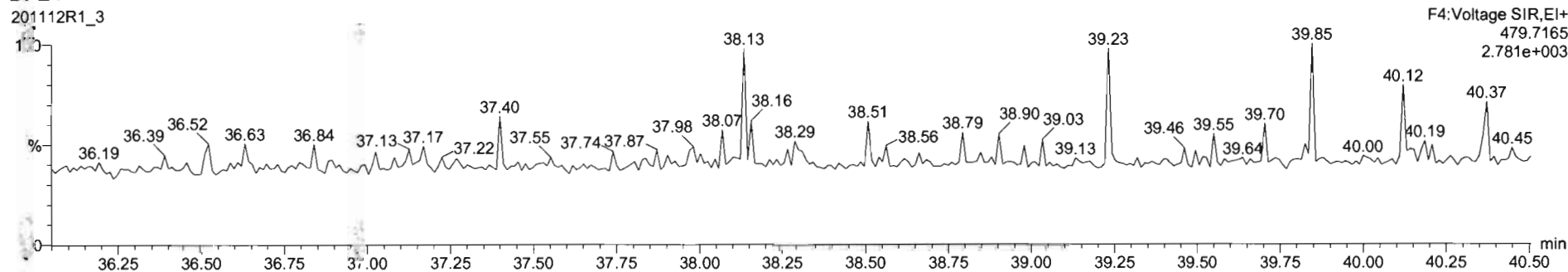
1,2,3,4,6,7,8-HpCDF



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



DPE4



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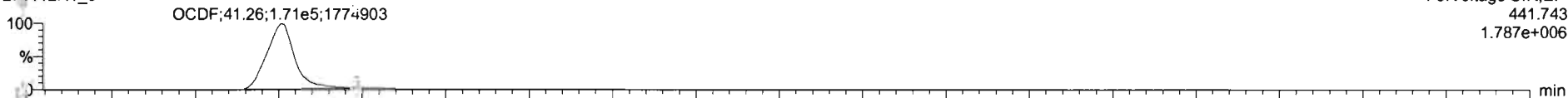
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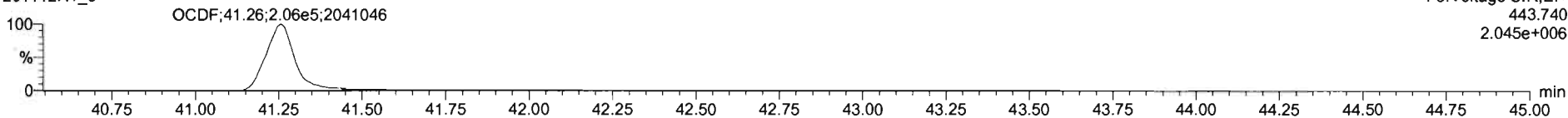
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OCDF

201112R1_3

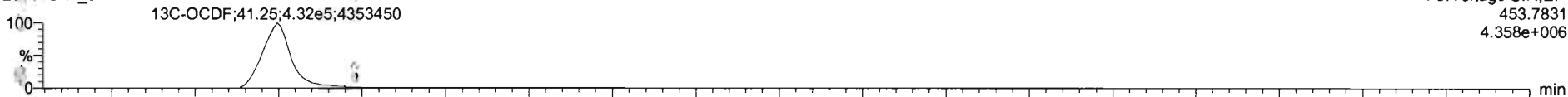


201112R1_3

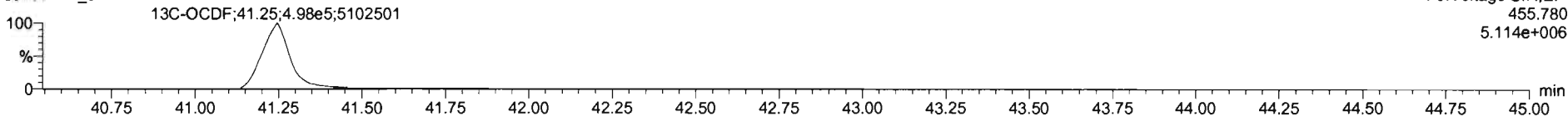


13C-OCDF

201112R1_3

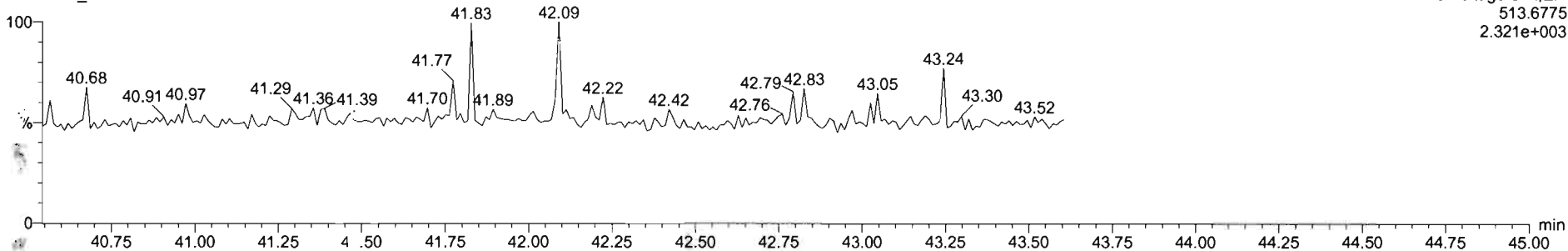


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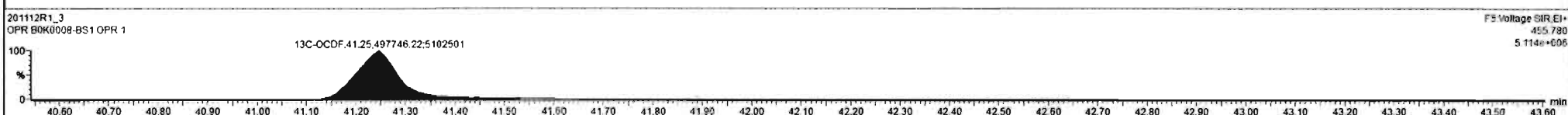
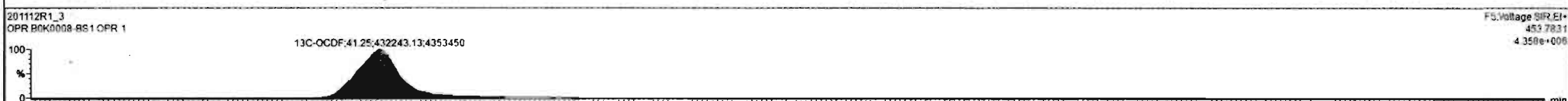


DPE5

201112R1_3



#	Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.08e5	0.76	NO	0.9501	1.000	26.14	1.001	194		0.572	194
2	1,2,3,7,8-PeCDD	4.33e5	0.62	NO	0.8855	1.000	20.64	1.001	997		0.875	997
3	1,2,3,4,7,8-HxCDD	3.33e5	1.22	NO	1.0176	1.000	34.16	1.000	958		3.18	958
4	1,2,3,6,7,8-HxCDD	3.61e5	1.16	NO	0.9145	1.000	34.28	1.001	921		3.03	921
5	1,2,3,7,8,9-HxCDD	3.23e5	1.24	NO	0.9345	1.000	34.55	1.001	946		3.66	946
6	1,2,3,4,6,7,8-HpCDD	2.24e5	1.01	NO	0.8697	1.000	38.04	1.000	933		6.15	938
7	OCDD	3.38e5	0.87	NO	0.8717	1.000	40.88	1.000	1840		7.04	1840
8	2,3,7,8-TCDF	1.12e5	0.74	NO	0.8243	1.000	25.45	1.001	177		0.500	177
9	1,2,3,7,8-PeCDF	6.28e5	1.55	NO	0.9626	1.000	29.59	1.001	934		1.43	934
10	2,3,4,7,8-PeCDF	6.91e5	1.54	NO	1.0684	1.000	30.64	1.000	932		1.34	932
11	1,2,3,4,7,8-HxCDF	3.61e5	1.22	NO	0.9535	1.000	33.24	1.000	918		2.69	918
12	1,2,3,6,7,8-HxCDF	4.13e5	1.25	NO	1.0080	1.000	33.39	1.001	924		2.48	924
13	2,3,4,6,7,8-HxCDF	3.77e5	1.19	NO	0.9907	1.000	34.05	1.000	902		2.92	902
14	1,2,3,7,8,9-HxCDF	2.94e5	1.21	NO	0.9506	1.000	35.04	1.001	935		4.61	935
15	1,2,3,4,6,7,8-HpCDF	2.65e5	0.99	NO	0.9986	1.000	36.62	1.000	928		4.89	928
16	1,2,3,4,6,8,9-HpCDF	2.17e5	1.00	NO	1.1238	1.000	38.68	1.001	931		5.31	931
17	OCDF	3.70e5	0.88	NO	0.8682	1.000	41.26	1.000	1840		6.22	1840
18	13C-2,3,7,8-TCDD	1.17e5	0.78	NO	1.1089	1.000	26.11	1.030	1730	58.5	1.52	
19	13C-1,2,3,7,8-PeCDD	9.80e5	0.63	NO	0.8585	1.000	20.62	1.215	1860	93.2	2.08	
20	13C-1,2,3,4,7,8-HxCDD	6.84e5	1.33	NO	0.8997	1.000	24.15	1.014	1850	92.8	4.55	
21	13C-1,2,3,6,7,8-HxCDD	8.58e5	1.21	NO	0.8327	1.000	34.08	1.017	1950	97.6	3.82	



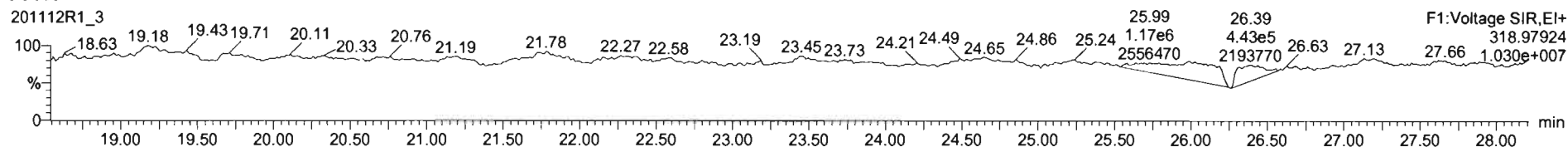
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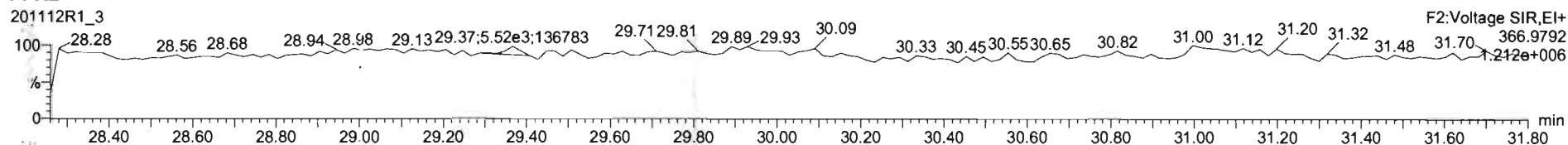
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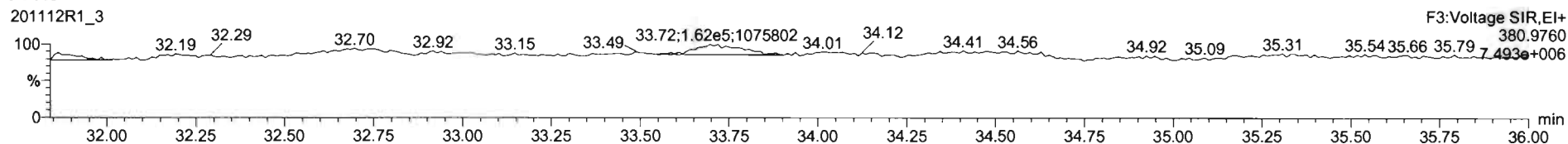
PFK1



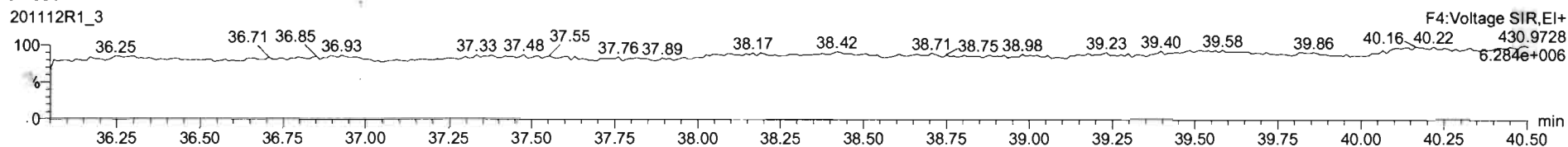
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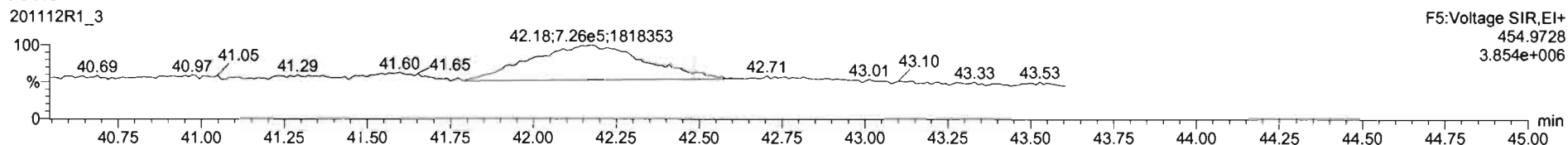
PFK3



P K4



PFK5



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Last Altered: Monday, November 16, 2020 12:58:08 Pacific Standard Time

Printed: Monday, November 16, 2020 12:58:28 Pacific Standard Time

GRB 11/16/2020

Method: Untitled 12 Nov 2020 07:51:39

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-10-20-20.cdb 20 Oct 2020 13:36:10

CT 11/16/2020

Name: 201113R1_11, Date: 13-Nov-2020, Time: 14:39:57, ID: 2002298-01 SC-FB-2010261145 1, Description: SC-FB-2010261145

#	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	0.950	1.036	26.156		1.001				0.274	
2	2 1,2,3,7,8-PeCDD			NO	0.885	1.036	30.845		1.000				0.448	
3	3 1,2,3,4,7,8-HxCDD			NO	1.02	1.036	34.167		1.000				0.651	
4	4 1,2,3,6,7,8-HxCDD			NO	0.915	1.036	34.298		1.000				0.660	
5	5 1,2,3,7,8,9-HxCDD			NO	0.934	1.036	34.561		1.000				0.812	
6	6 1,2,3,4,6,7,8-HpCDD			NO	0.870	1.036	38.047		1.000				0.686	
7	7 OCDD			NO	0.872	1.036	40.983		1.000				2.99	
8	8 2,3,7,8-TCDF			NO	0.824	1.036	25.455		1.000				0.157	
9	9 1,2,3,7,8-PeCDF			NO	0.963	1.036	29.597		1.000				0.173	
10	10 2,3,4,7,8-PeCDF			NO	1.07	1.036	30.655		1.000				0.159	
11	11 1,2,3,4,7,8-HxCDF			NO	0.953	1.036	33.257		1.000				0.223	
12	12 1,2,3,6,7,8-HxCDF			NO	1.01	1.036	33.388		1.000				0.214	
13	13 2,3,4,6,7,8-HxCDF			NO	0.991	1.036	34.061		1.000				0.265	
14	14 1,2,3,7,8,9-HxCDF			NO	0.951	1.036	35.056		1.000				0.408	
15	15 1,2,3,4,6,7,8-HpCDF			NO	0.999	1.036	36.636		1.000				0.406	
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.12	1.036	38.673		1.000				0.448	
17	17 OCDF			NO	0.868	1.036	41.277		1.000				1.10	
18	18 13C-2,3,7,8-TCDD	1.02e6	0.81	NO	1.11	1.036	26.134	26.13	1.030	1.030	1567.6	81.2	1.86	
19	19 13C-1,2,3,7,8-PeCDD	7.50e5	0.63	NO	0.859	1.036	30.864	30.84	1.216	1.215	1485.1	77.0	2.33	
20	20 13C-1,2,3,4,7,8-HxCDD	5.43e5	1.28	NO	0.700	1.036	34.164	34.16	1.014	1.014	1498.1	77.6	4.56	
21	21 13C-1,2,3,6,7,8-HxCDD	6.48e5	1.28	NO	0.833	1.036	34.303	34.29	1.018	1.018	1504.1	77.9	3.83	
22	22 13C-1,2,3,7,8,9-HxCDD	5.39e5	1.27	NO	0.762	1.036	34.545	34.55	1.025	1.025	1367.5	70.9	4.19	
23	23 13C-1,2,3,4,6,7,8-HpCDD	4.02e5	1.03	NO	0.650	1.036	38.033	38.05	1.129	1.129	1196.6	62.0	5.71	
24	24 13C-OCDD	4.36e5	0.95	NO	0.539	1.036	41.001	40.98	1.217	1.216	1562.0	40.5	5.95	
25	25 13C-2,3,7,8-TCDF	1.34e6	0.76	NO	0.981	1.036	25.454	25.45	1.003	1.003	1590.3	82.4	1.90	
26	26 13C-1,2,3,7,8-PeCDF	1.11e6	1.58	NO	0.792	1.036	29.593	29.59	1.166	1.166	1631.1	84.5	6.01	
27	27 13C-2,3,4,7,8-PeCDF	1.11e6	1.60	NO	0.778	1.036	30.653	30.66	1.208	1.208	1655.9	85.8	6.12	
28	28 13C-1,2,3,4,7,8-HxCDF	6.85e5	0.51	NO	0.954	1.036	33.255	33.26	0.987	0.987	1387.8	71.9	5.61	
29	29 13C-1,2,3,6,7,8-HxCDF	7.43e5	0.52	NO	1.01	1.036	33.386	33.39	0.991	0.991	1426.9	73.9	5.32	
30	30 13C-2,3,4,6,7,8-HxCDF	6.63e5	0.51	NO	0.921	1.036	34.057	34.06	1.011	1.011	1389.8	72.0	5.81	

Dataset: U:\VG12.PRO\Results\201113R1\201113R1-11.qld

Last Altered: Monday, November 16, 2020 12:58:08 Pacific Standard Time

Printed: Monday, November 16, 2020 12:58:28 Pacific Standard Time

Name: 201113R1_11, Date: 13-Nov-2020, Time: 14:39:57, ID: 2002298-01 SC-FB-2010261145 1, Description: SC-FB-2010261145

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
31	31 13C-1,2,3,7,8,9-HxCDF	5.66e5	0.48	NO	0.803	1.036	35.054	35.06	1.040	1.040	1362.3	70.6	6.66	
32	32 13C-1,2,3,4,6,7,8-HpCDF	4.52e5	0.42	NO	0.735	1.036	36.624	36.63	1.087	1.087	1187.7	61.6	5.35	
33	33 13C-1,2,3,4,7,8,9-HpCDF	3.40e5	0.43	NO	0.568	1.036	38.663	38.67	1.147	1.148	1156.1	59.9	6.93	
34	34 13C-OCDF	5.86e5	0.86	NO	0.629	1.036	41.284	41.27	1.225	1.225	1800.3	46.6	7.15	
35	35 37Cl-2,3,7,8-TCDD	4.69e5			1.09	1.036	26.134	26.16	1.030	1.031	732.40	94.9	0.526	
36	36 13C-1,2,3,4-TCDD	1.14e6	0.80	NO	1.00	1.036	25.370	25.37	1.000	1.000	1929.7	100	2.07	
37	37 13C-1,2,3,4-TCDF	1.66e6	0.78	NO	1.00	1.036	23.870	23.88	1.000	1.000	1929.7	100	1.86	
38	38 13C-1,2,3,4,6,9-HxCDF	9.99e5	0.51	NO	1.00	1.036	33.710	33.70	1.000	1.000	1929.7	100	5.35	
39	39 Total Tetra-Dioxins				0.950	1.036	24.620		0.000				0.154	
40	40 Total Penta-Dioxins				0.885	1.036	29.960		0.000				0.159	
41	41 Total Hexa-Dioxins				0.915	1.036	33.635		0.000				0.375	
42	42 Total Hepta-Dioxins				0.870	1.036	37.640		0.000				0.382	
43	43 Total Tetra-Furans				0.824	1.036	23.610		0.000		0.00000		0.0717	0.200
44	44 1st Func. Penta-Furans				0.963	1.036	26.930		0.000				0.0484	
45	45 Total Penta-Furans				0.963	1.036	29.275		0.000				0.0841	
46	46 Total Hexa-Furans				0.991	1.036	33.555		0.000				0.141	
47	47 Total Hepta-Furans				0.999	1.036	37.835		0.000				0.268	

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\201113R1\201113R1-11.qld

Last Altered: Monday, November 16, 2020 12:58:08 Pacific Standard Time

Printed: Monday, November 16, 2020 12:58:28 Pacific Standard Time

Method: Untitled 12 Nov 2020 07:51:39

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-10-20-20.cdb 20 Oct 2020 13:36:10

Name: 201113R1_11, Date: 13-Nov-2020, Time: 14:39:57, ID: 2002298-01 SC-FB-2010261145 1, Description: SC-FB-2010261145

Tetra-Dioxins

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

Penta-Dioxins

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

Hexa-Dioxins

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

Hepta-Dioxins

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

Tetra-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL	
1	Total Tetra-Furans	25.39	1.450e3	1.183e3	7.569e1	6.480e1	1.17	YES	0.000e0	0.00000	0.20015	0.0717

Penta-Furans function 1

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

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\201113R1\201113R1-11.qld

Last Altered: Monday, November 16, 2020 12:58:08 Pacific Standard Time

Printed: Monday, November 16, 2020 12:58:28 Pacific Standard Time

Name: 201113R1_11, Date: 13-Nov-2020, Time: 14:39:57, ID: 2002298-01 SC-FB-2010261145 1, Description: SC-FB-2010261145

Penta-Furans

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

Hexa-Furans

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

Hepta-Furans

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

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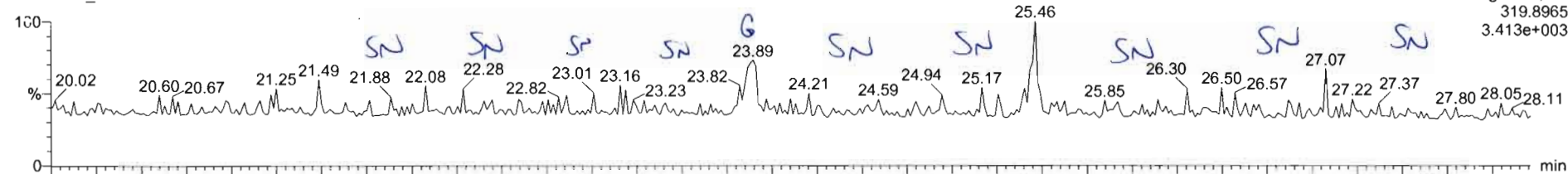
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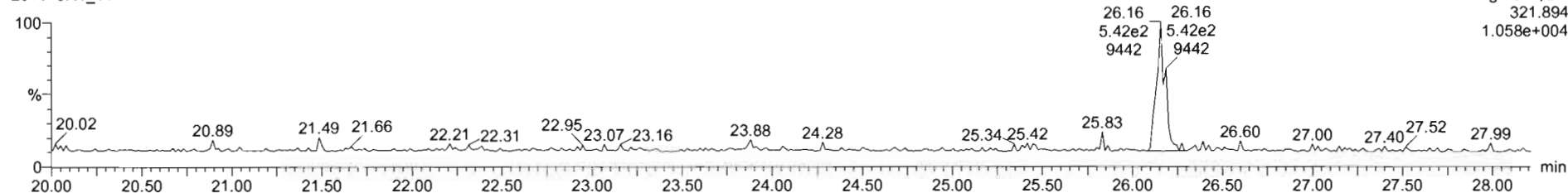
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2,3,7,8-TCDD

201113R1_11

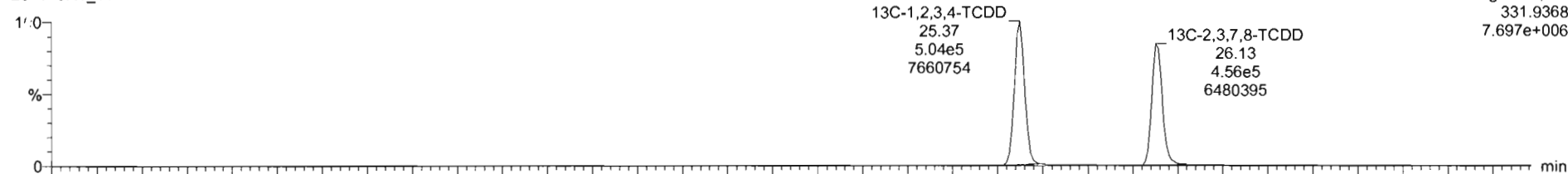


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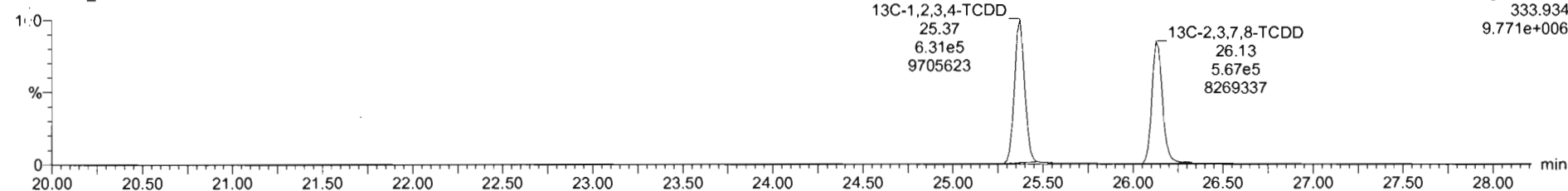


13C-2,3,7,8-TCDD

201113R1_11



201113R1_11



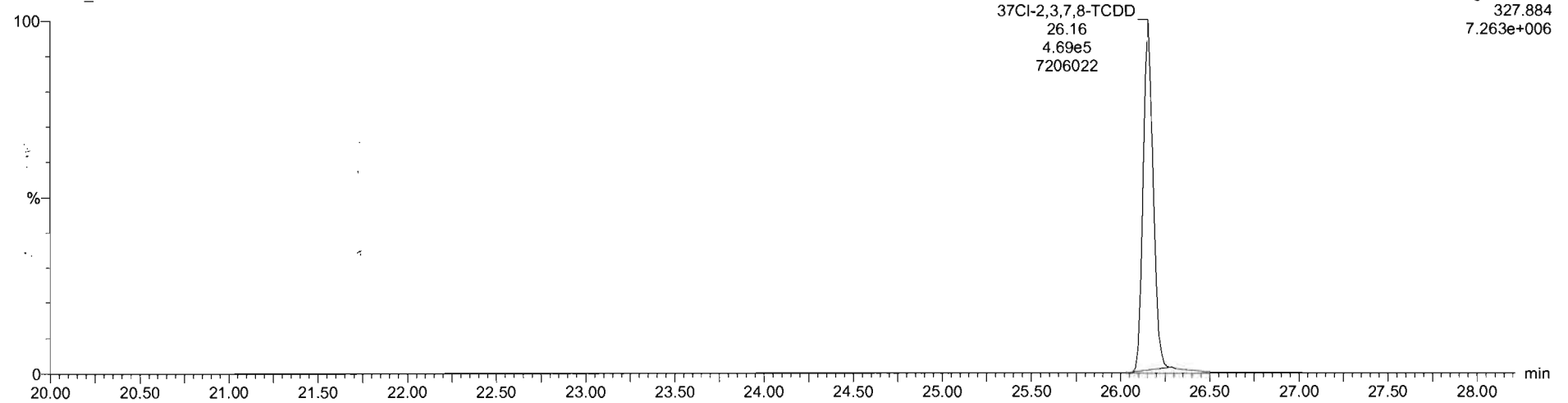
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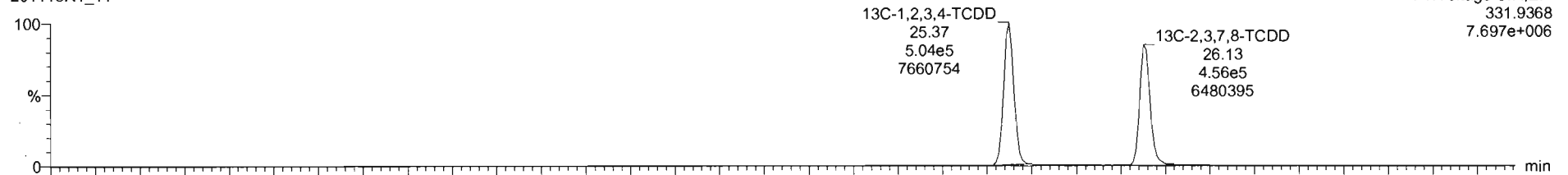
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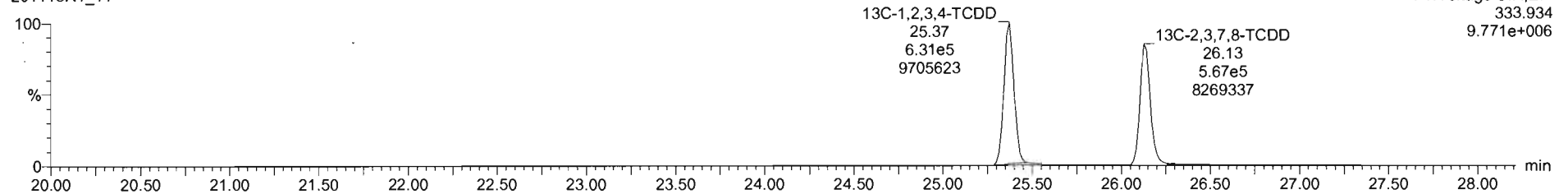


13C-1,2,3,4-TCDD

201113R1_11



201113R1_11



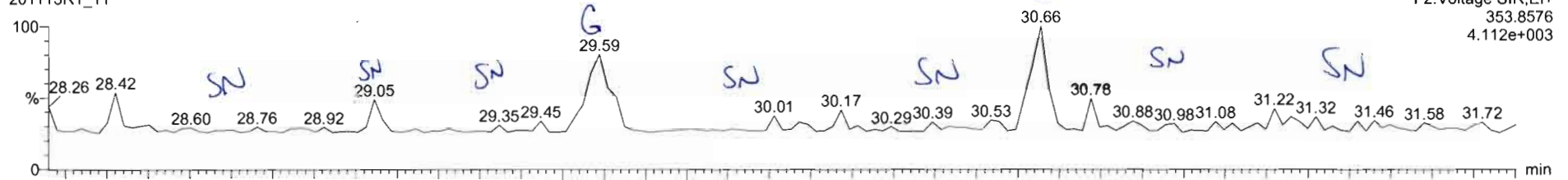
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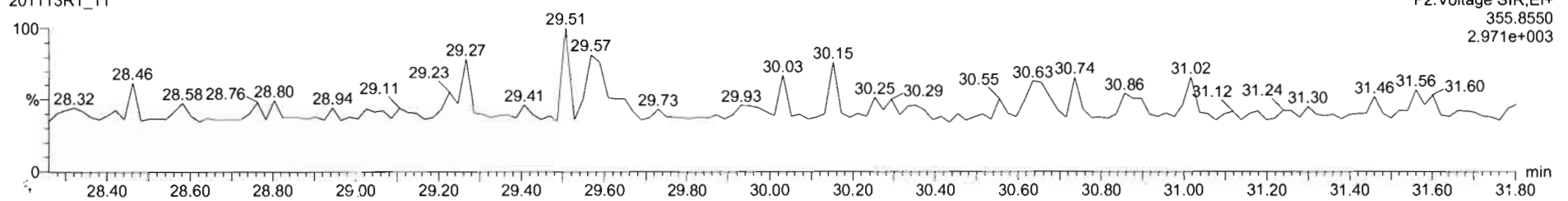
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1,2,3,7,8-PeCDD

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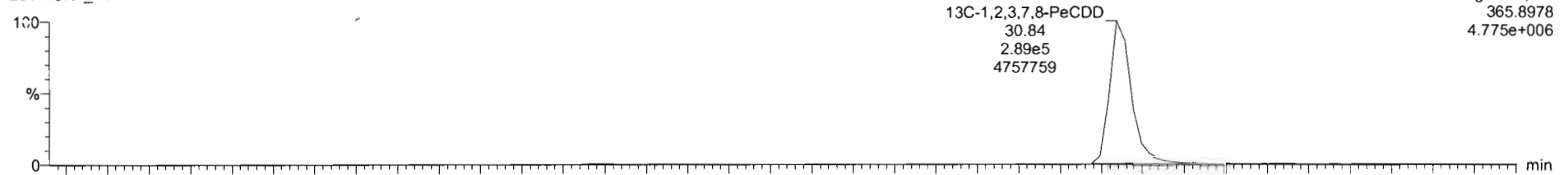


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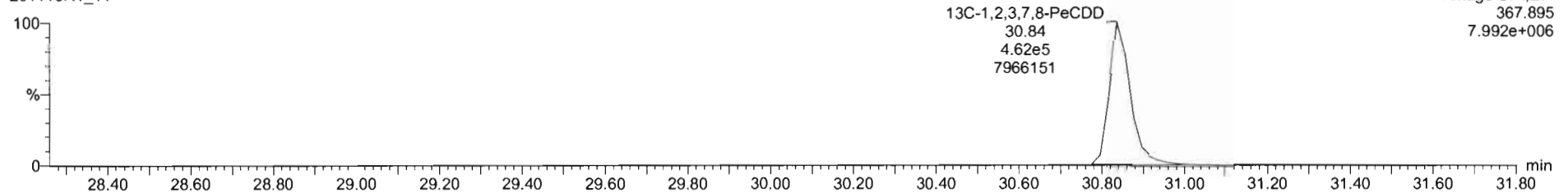


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201113R1_11



201113R1_11



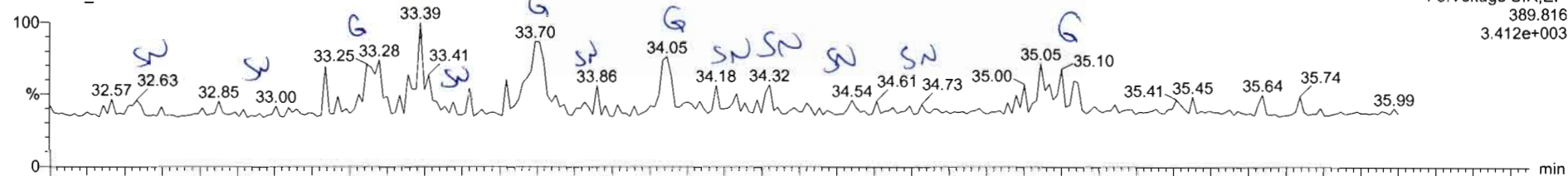
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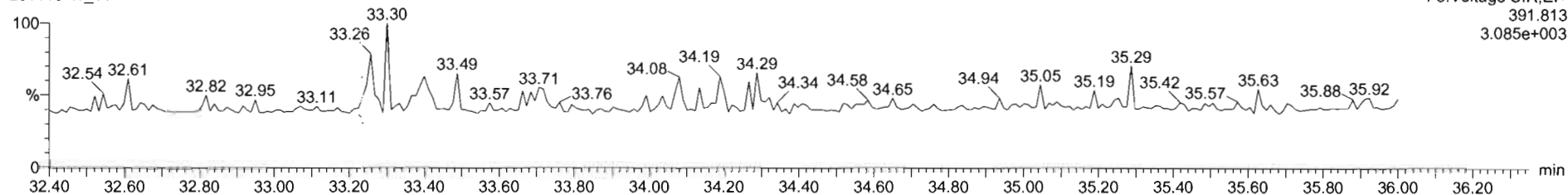
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1,2,3,4,7,8-HxCDD

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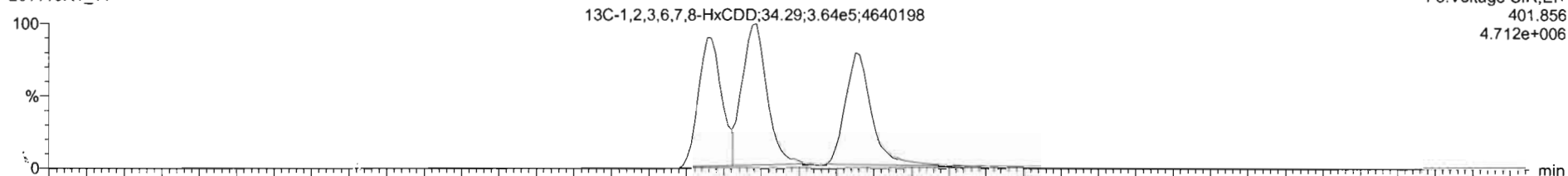


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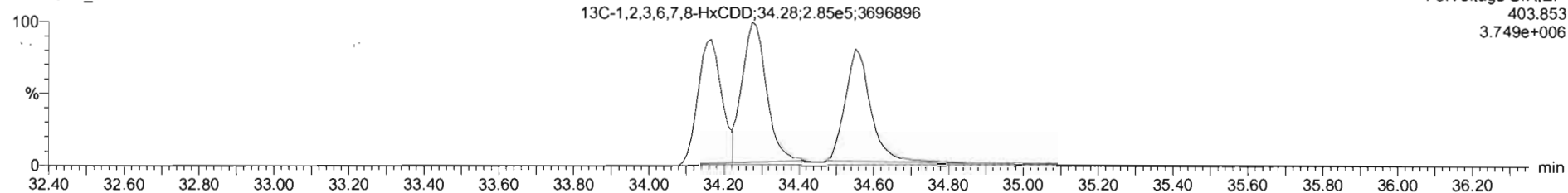


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201113R1_11



201113R1_11



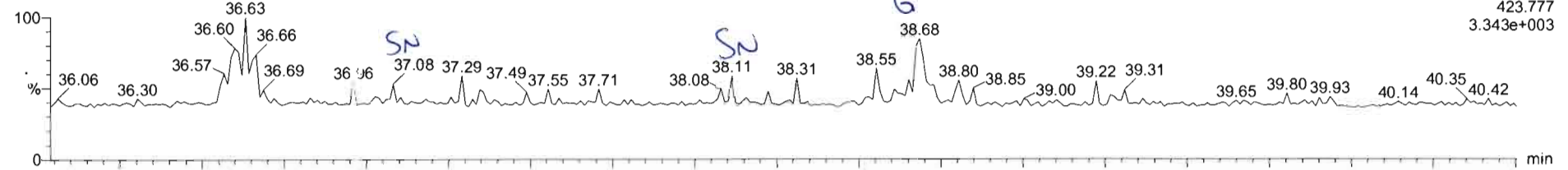
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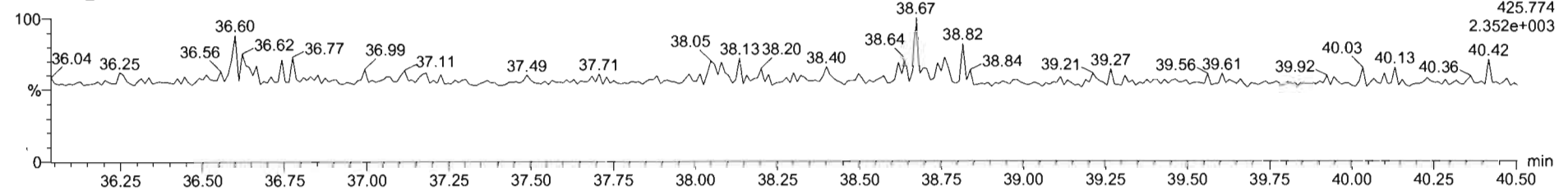
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1,2,3,4,6,7,8-HpCDD

201113R1_11

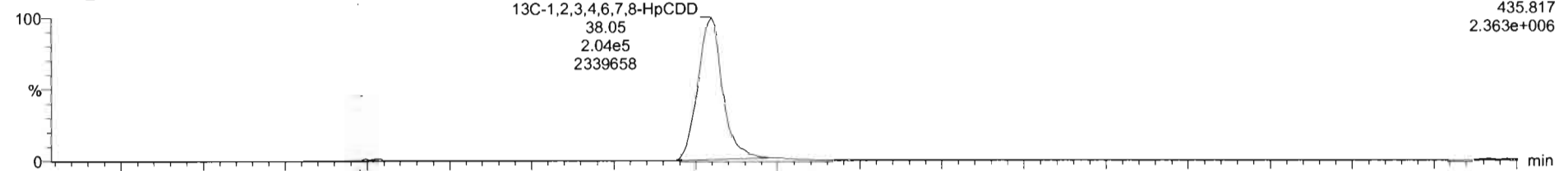


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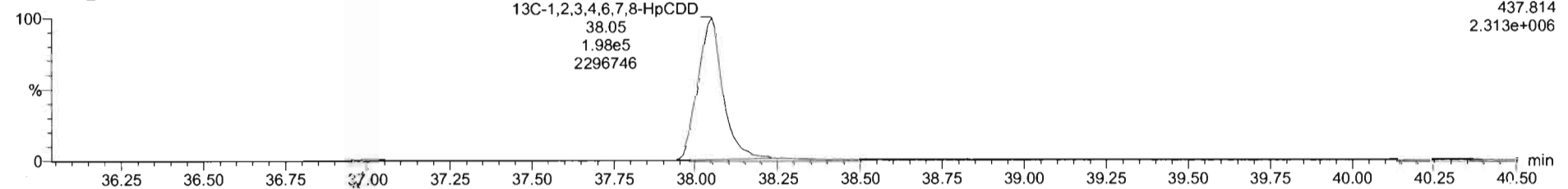


13C-1,2,3,4,6,7,8-HpCDD

201113R1_11



201113R1_11

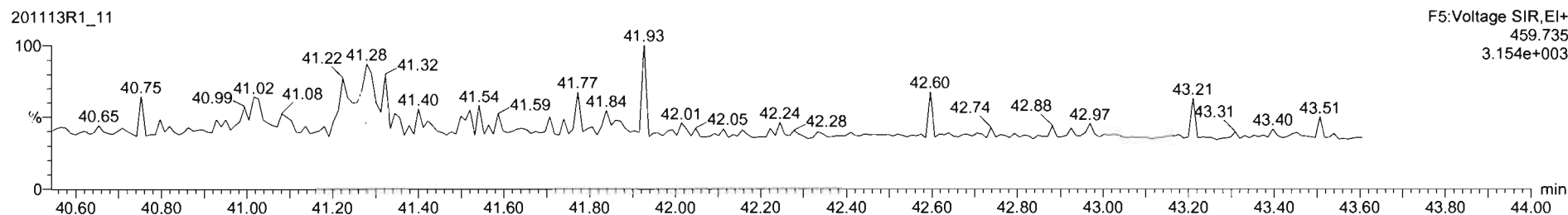
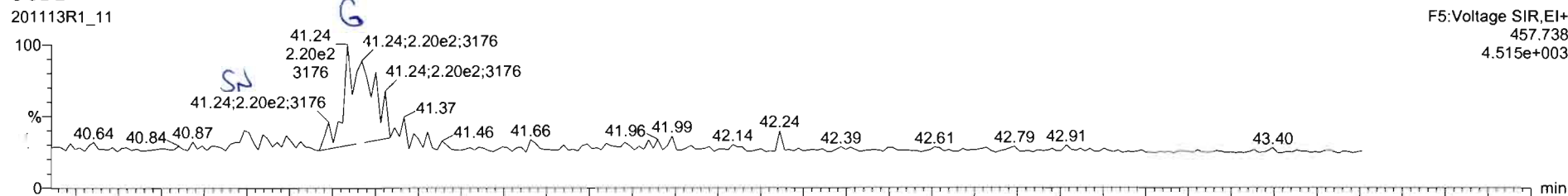


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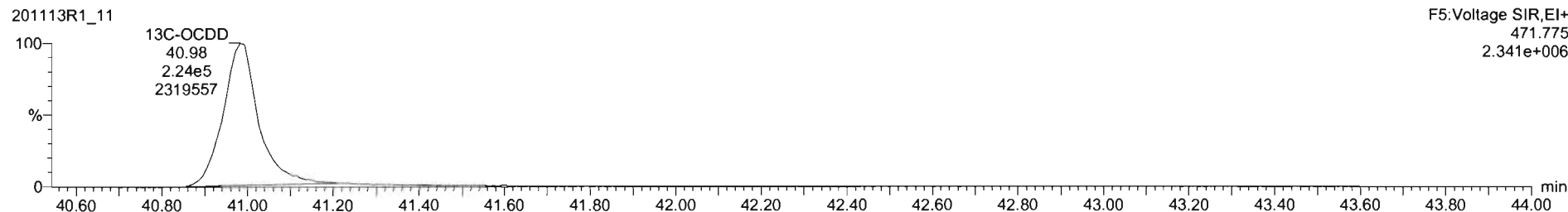
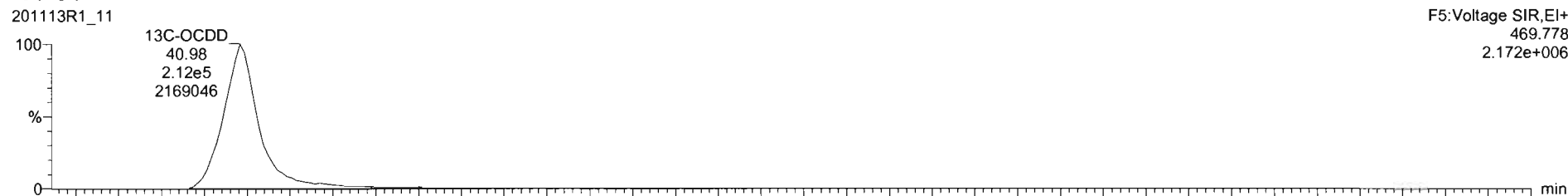
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Name: 201113R1_11, Date: 13-Nov-2020, Time: 14:39:57, ID: 2002298-01 SC-FB-2010261145 1, Description: SC-FB-2010261145

OCDD



13C-OCDD



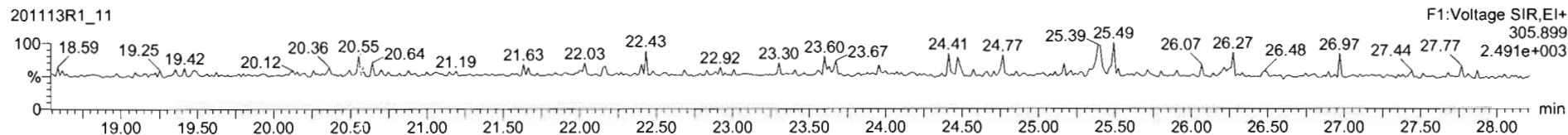
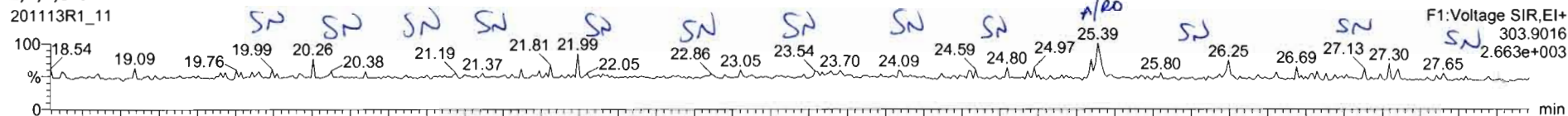
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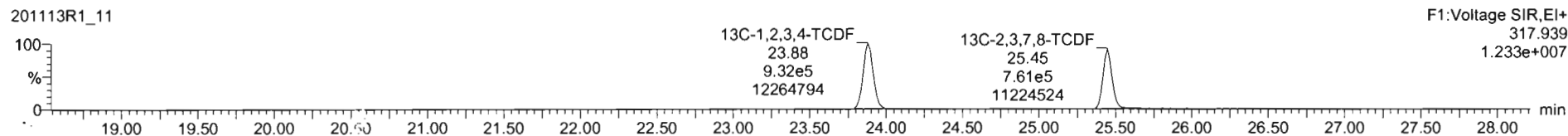
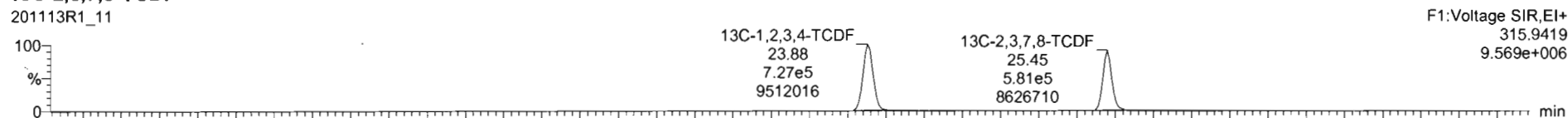
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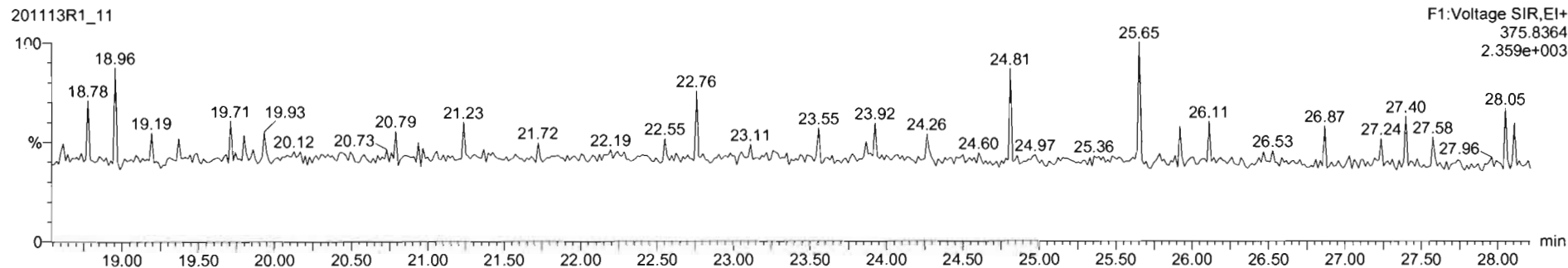
2,3,7,8-TCDF



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



DPE1

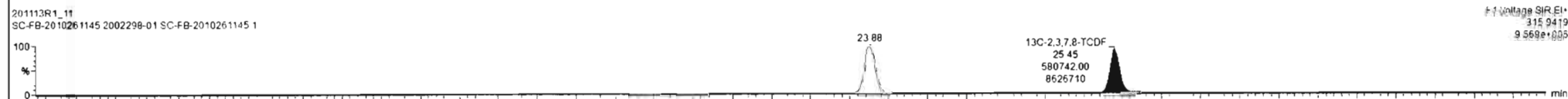
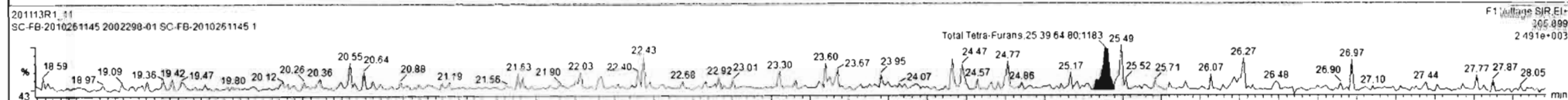
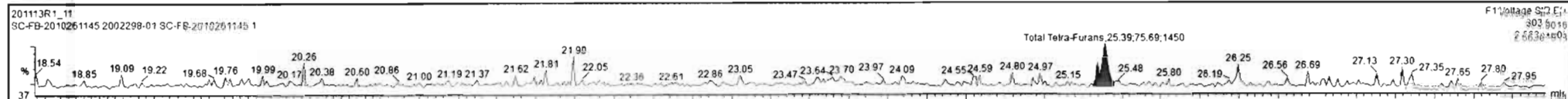


TargetLynx - 201113R1_11.qld - [Chromatogram]

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201113R1_11 - 2002298-01 SC-FB-2010261145 1 - SC-FB-2010261145

DL	Name	Resp	RA	n/y	RRF	wVol	RT	RRT	Conc.	%Rec	DL	EMPC
38	13C-1,2,3,4,6,8-HxCDF	9.99e5	0.51	NO	1.0000	1.036	33.70	1.000	1930	100	5.35	
39	Total Tetra-Dioxins				0.9501	1.036					0.154	
40	Total Penta-Dioxins				0.8855	1.036					0.159	
41	Total Hexa-Dioxins				0.9145	1.036					0.375	
42	Total Hepta-Dioxins				0.8697	1.036					0.382	
43	Total Tetra-Furans				0.8243	1.036			0.000		0.0717	0.200
44	1st Func. Penta-Furans				0.9626	1.036					0.0484	
45	Total Penta-Furans				0.9626	1.036					0.0841	
46	Total Hexa-Furans				0.9907	1.036					0.141	
47	Total Hepta-Furans				0.9986	1.036					0.268	
48	PFK1											
49	PFK2											
50	PFK3											
51	PFK4											
52	PFK5											
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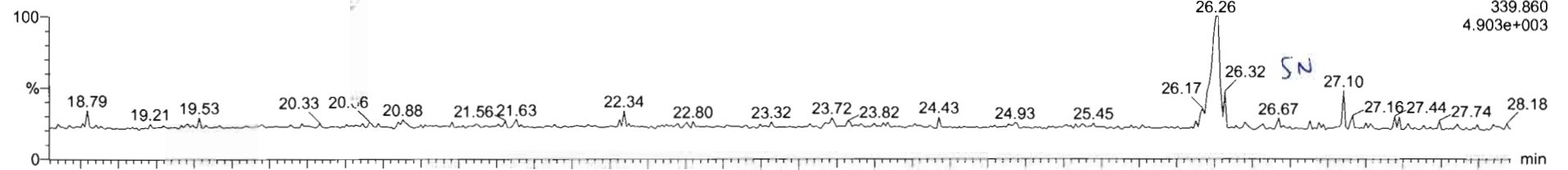
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Printed: Sunday, November 15, 2020 08:46:00 Pacific Standard Time

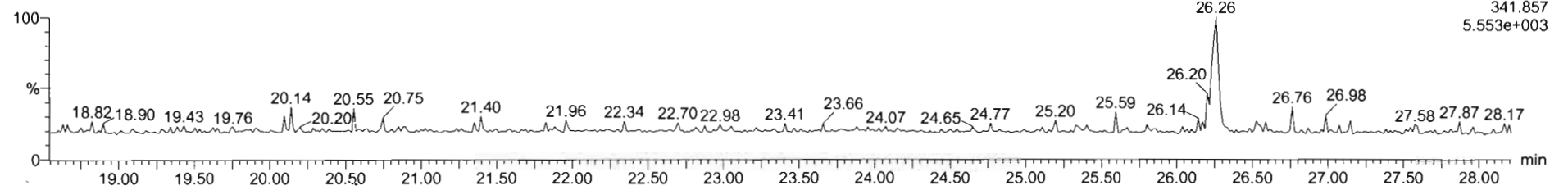
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1st Func. Penta-Furans

201113R1_11

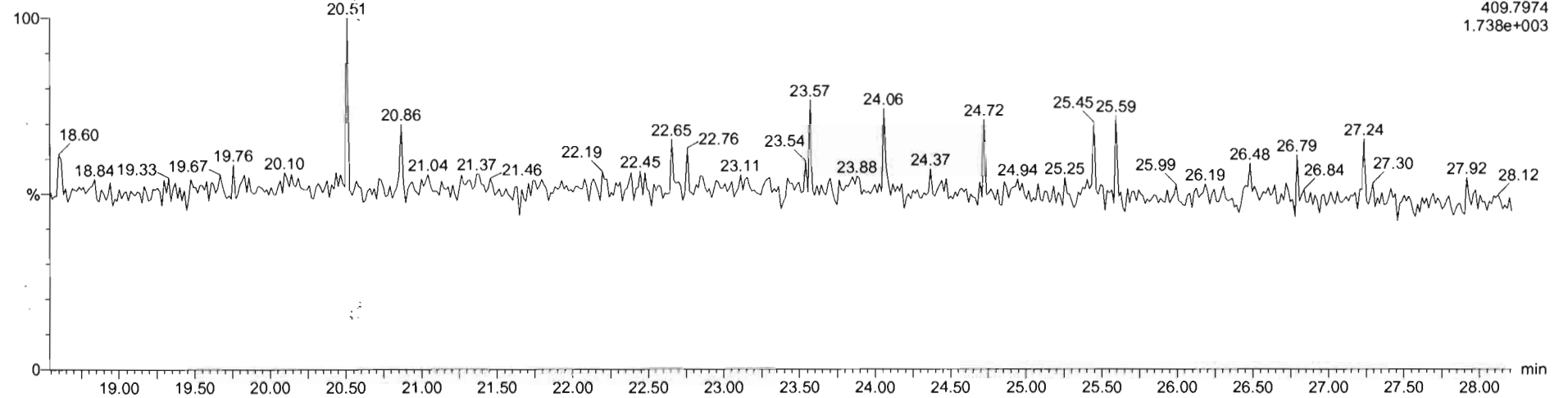


201113R1_11



DPE6

201113R1_11



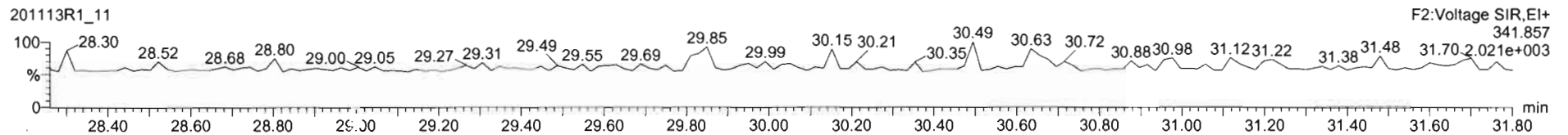
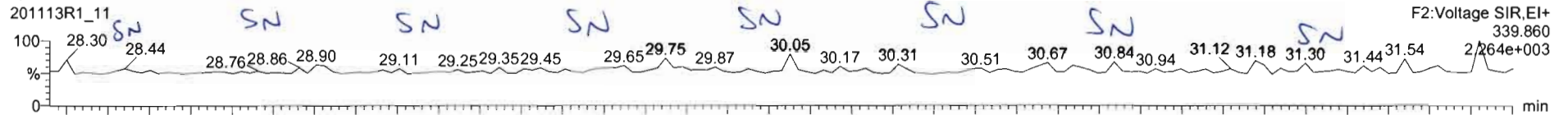
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Last Altered: Sunday, November 15, 2020 08:45:55 Pacific Standard Time

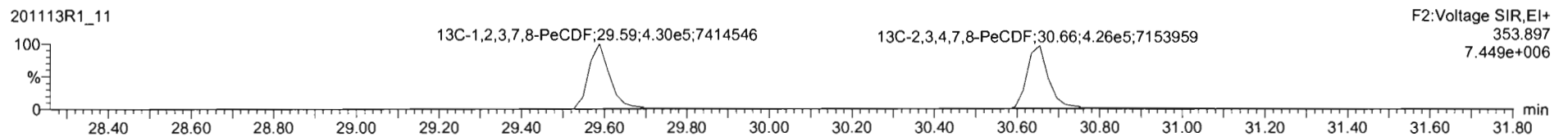
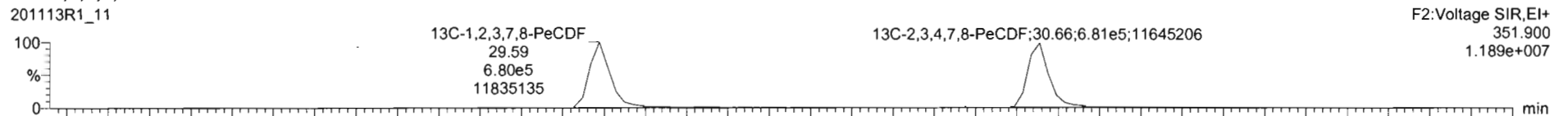
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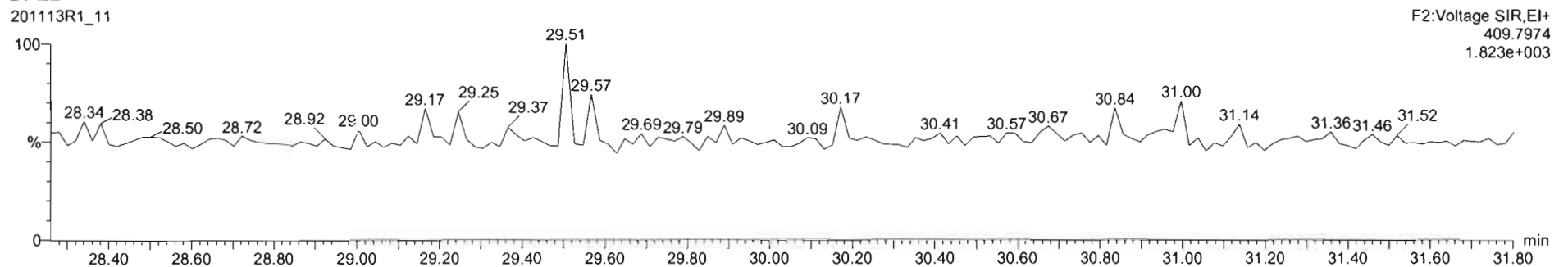
1,2,3,7,8-PeCDF



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



DPE2



Dataset: Untitled

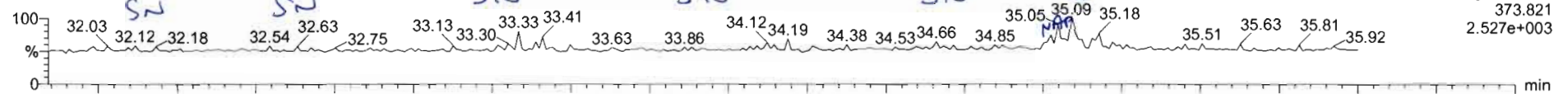
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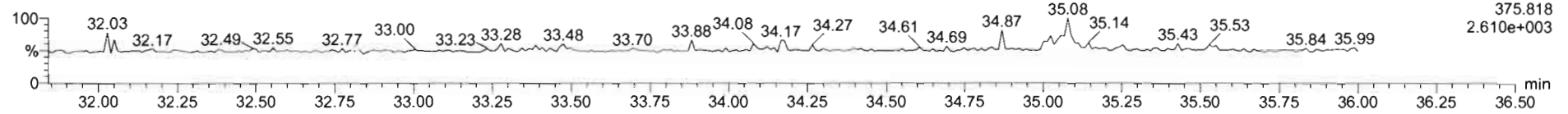
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1,2,3,4,7,8-HxCDF

201113R1_11

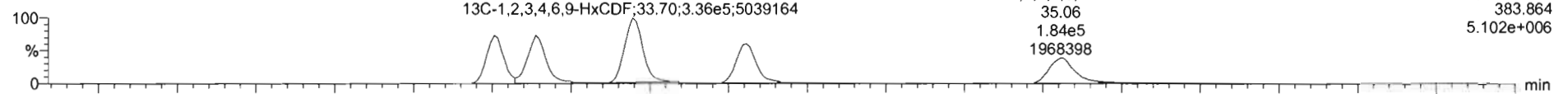


201113R1_11

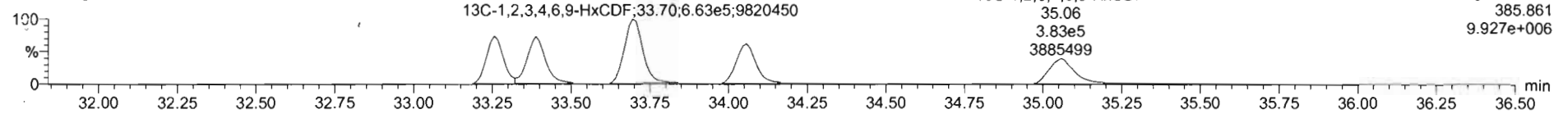


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201113R1_11

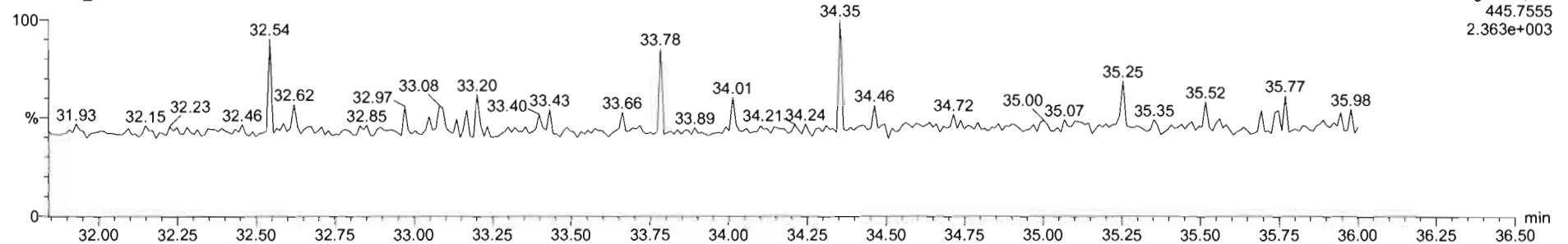


201113R1_11



DPE3

201113R1_11

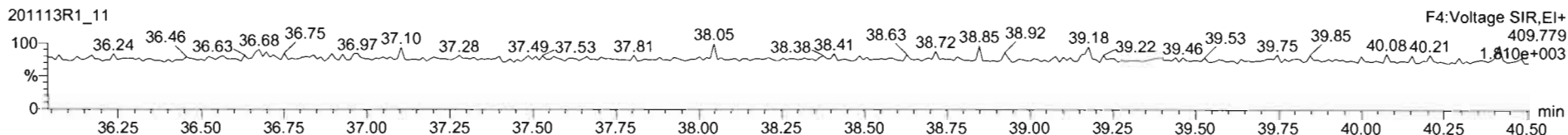
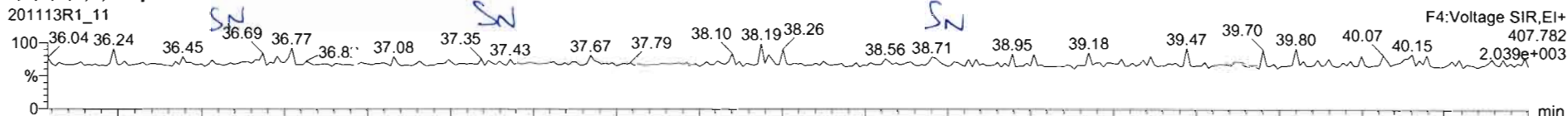


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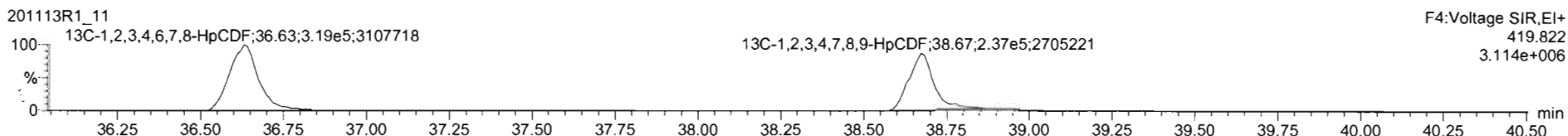
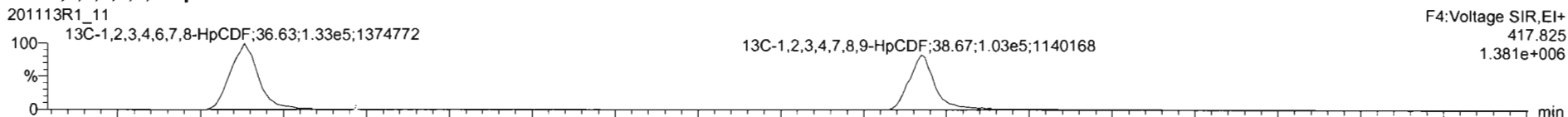
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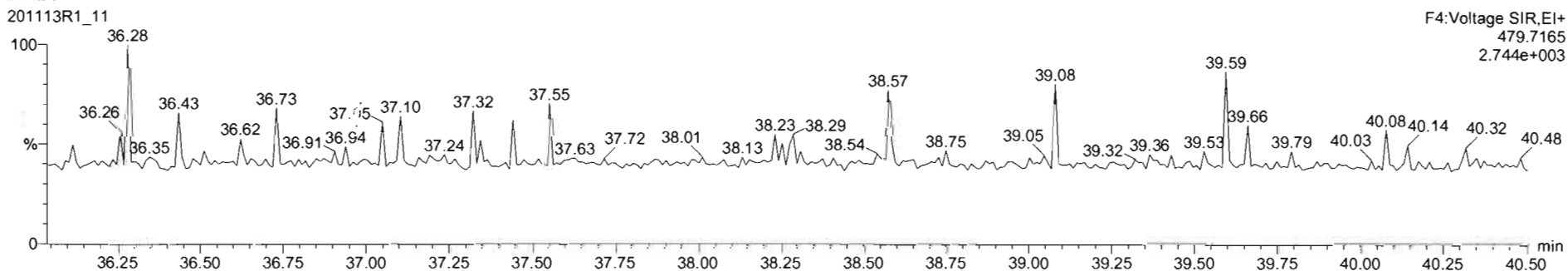
1,2,3,4,6,7,8-HpCDF



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



DPE4

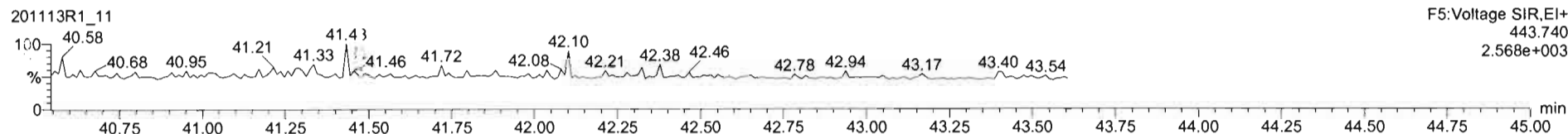
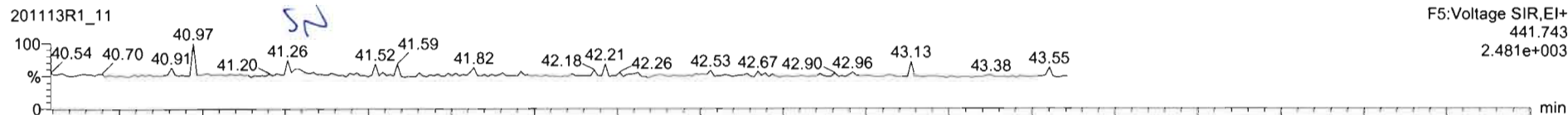


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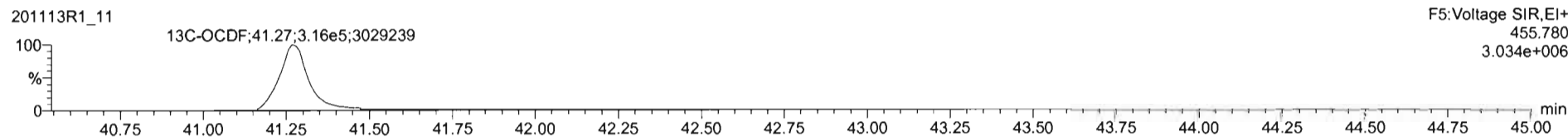
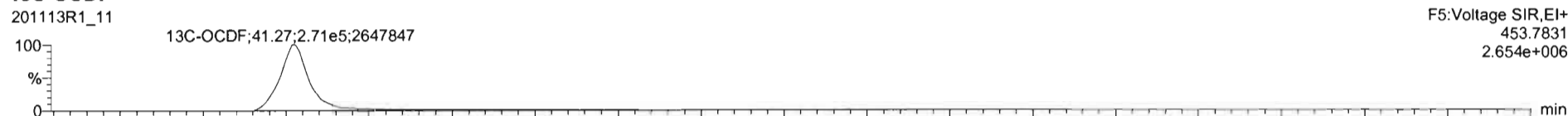
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Printed: Sunday, November 15, 2020 08:46:00 Pacific Standard Time

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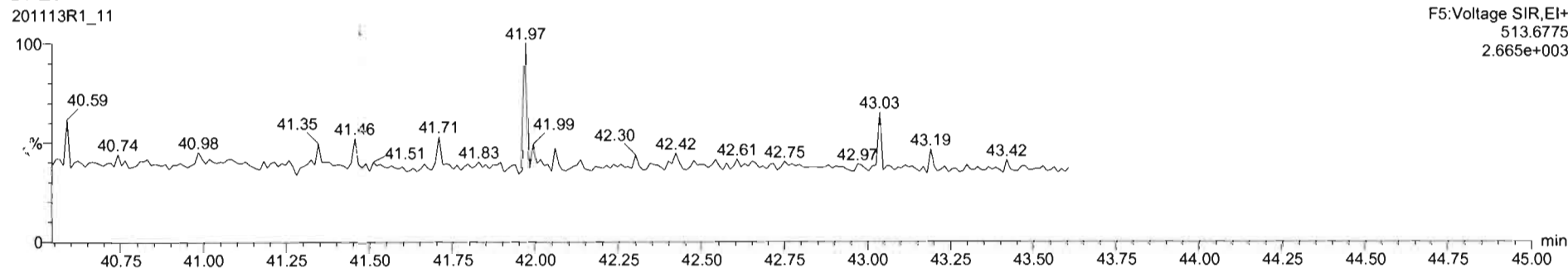
OCDF



13C-OCDF



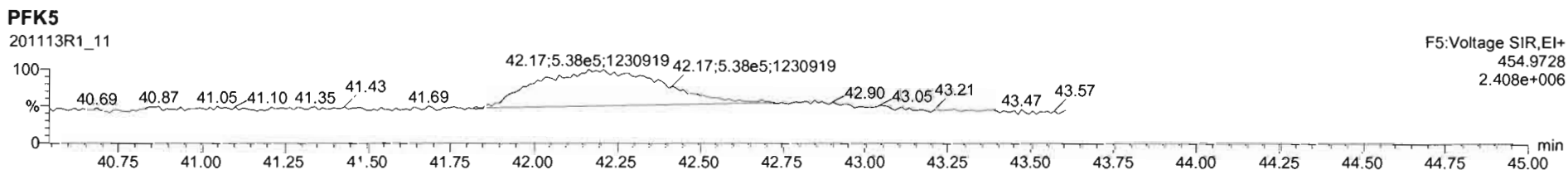
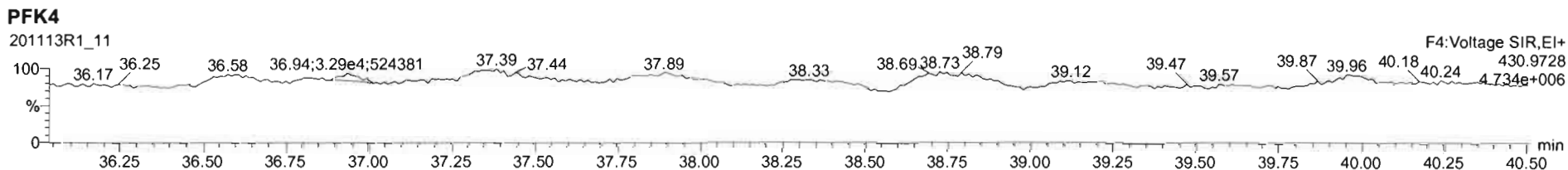
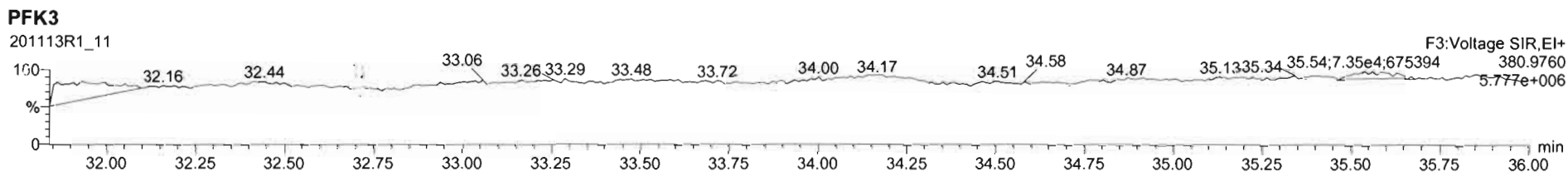
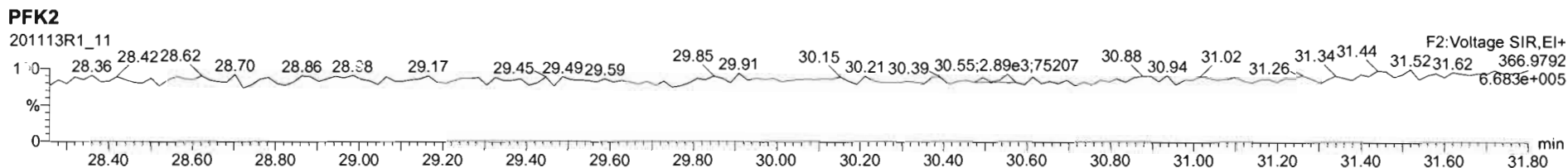
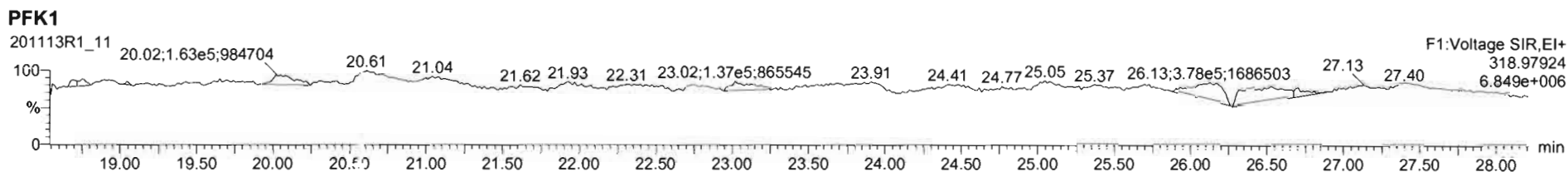
DPE5



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Last Altered: Sunday, November 15, 2020 08:45:55 Pacific Standard Time
Printed: Sunday, November 15, 2020 08:46:00 Pacific Standard Time

Name: 201113R1_11, Date: 13-Nov-2020, Time: 14:39:57, ID: 2002298-01 SC-FB-2010261145 1, Description: SC-FB-2010261145



Dataset: U:\VG12.PRO\Results\201113R1\201113R1-12.qld

Last Altered: Sunday, November 15, 2020 08:42:29 Pacific Standard Time

Printed: Monday, November 16, 2020 07:58:23 Pacific Standard Time

GRB 11/16/2020

CT 11/16/2020

Method: U:\VG12.PRO\MethDB\1613rrt-11-11-20.mdb 12 Nov 2020 07:51:39

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-10-20-20.cdb 20 Oct 2020 13:36:10

Name: 201113R1_12, Date: 13-Nov-2020, Time: 15:24:49, ID: 2002298-02 SC-RB-2010261130 1, Description: SC-RB-2010261130

#	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	0.950	1.043	26.141		1.001				0.745	
2	2 1,2,3,7,8-PeCDD			NO	0.885	1.043	30.845		1.000				0.322	
3	3 1,2,3,4,7,8-HxCDD			NO	1.02	1.043	34.167		1.000				0.525	
4	4 1,2,3,6,7,8-HxCDD			NO	0.915	1.043	34.287		1.000				0.510	
5	5 1,2,3,7,8,9-HxCDD			NO	0.934	1.043	34.562		1.000				0.581	
6	6 1,2,3,4,6,7,8-HpCDD			NO	0.870	1.043	38.036		1.000				0.688	
7	7 OCDD			NO	0.872	1.043	40.983		1.000				2.02	
8	8 2,3,7,8-TCDF			NO	0.824	1.043	25.440		1.000				0.547	
9	9 1,2,3,7,8-PeCDF			NO	0.963	1.043	29.577		1.000				0.254	
10	10 2,3,4,7,8-PeCDF			NO	1.07	1.043	30.635		1.000				0.215	
11	11 1,2,3,4,7,8-HxCDF			NO	0.953	1.043	33.246		1.000				0.290	
12	12 1,2,3,6,7,8-HxCDF			NO	1.01	1.043	33.377		1.000				0.282	
13	13 2,3,4,6,7,8-HxCDF			NO	0.991	1.043	34.050		1.000				0.302	
14	14 1,2,3,7,8,9-HxCDF			NO	0.951	1.043	35.045		1.000				0.491	
15	15 1,2,3,4,6,7,8-HpCDF			NO	0.999	1.043	36.624		1.000				0.353	
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.12	1.043	38.673		1.000				0.378	
17	17 OCDF			NO	0.868	1.043	41.277		1.000				1.04	
18	18 13C-2,3,7,8-TCDD	9.40e5	0.79	NO	1.11	1.043	26.119	26.11	1.030	1.030	1590.8	82.9	1.79	
19	19 13C-1,2,3,7,8-PeCDD	7.33e5	0.63	NO	0.859	1.043	30.846	30.84	1.216	1.216	1602.1	83.5	2.39	
20	20 13C-1,2,3,4,7,8-HxCDD	5.47e5	1.27	NO	0.700	1.043	34.164	34.16	1.014	1.014	1607.5	83.8	5.55	
21	21 13C-1,2,3,6,7,8-HxCDD	6.69e5	1.26	NO	0.833	1.043	34.302	34.28	1.018	1.017	1651.2	86.1	4.67	
22	22 13C-1,2,3,7,8,9-HxCDD	6.05e5	1.24	NO	0.762	1.043	34.545	34.55	1.025	1.025	1632.3	85.1	5.10	
23	23 13C-1,2,3,4,6,7,8-HpCDD	4.53e5	1.06	NO	0.650	1.043	38.032	38.04	1.129	1.129	1433.4	74.7	7.08	
24	24 13C-OCDD	6.11e5	0.93	NO	0.539	1.043	41.001	40.98	1.217	1.216	2327.7	60.7	7.35	
25	25 13C-2,3,7,8-TCDF	1.23e6	0.76	NO	0.981	1.043	25.440	25.43	1.003	1.003	1593.2	83.1	2.01	
26	26 13C-1,2,3,7,8-PeCDF	1.08e6	1.65	NO	0.792	1.043	29.576	29.57	1.166	1.166	1732.5	90.3	4.06	
27	27 13C-2,3,4,7,8-PeCDF	1.08e6	1.66	NO	0.778	1.043	30.636	30.64	1.208	1.208	1761.5	91.8	4.13	
28	28 13C-1,2,3,4,7,8-HxCDF	6.87e5	0.50	NO	0.954	1.043	33.254	33.25	0.987	0.987	1480.0	77.2	6.16	
29	29 13C-1,2,3,6,7,8-HxCDF	7.52e5	0.50	NO	1.01	1.043	33.386	33.38	0.991	0.991	1536.4	80.1	5.84	
30	30 13C-2,3,4,6,7,8-HxCDF	7.13e5	0.51	NO	0.921	1.043	34.056	34.05	1.011	1.010	1592.4	83.0	6.38	

Dataset: U:\VG12.PRO\Results\201113R1\201113R1-12.qld

Last Altered: Sunday, November 15, 2020 08:42:29 Pacific Standard Time

Printed: Monday, November 16, 2020 07:58:23 Pacific Standard Time

Name: 201113R1_12, Date: 13-Nov-2020, Time: 15:24:49, ID: 2002298-02 SC-RB-2010261130 1, Description: SC-RB-2010261130

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
31	31 13C-1,2,3,7,8,9-HxCDF	6.08e5	0.49	NO	0.803	1.043	35.054	35.04	1.040	1.040	1555.5	81.1	7.32	
32	32 13C-1,2,3,4,6,7,8-HpCDF	4.89e5	0.43	NO	0.735	1.043	36.624	36.62	1.087	1.087	1368.2	71.3	6.23	
33	33 13C-1,2,3,4,7,8,9-HpCDF	3.67e5	0.42	NO	0.568	1.043	38.662	38.67	1.147	1.148	1330.6	69.4	8.08	
34	34 13C-OCDF	7.52e5	0.85	NO	0.629	1.043	41.284	41.27	1.225	1.225	2457.0	64.0	5.48	
35	35 37Cl-2,3,7,8-TCDD	4.22e5			1.09	1.043	26.119	26.14	1.030	1.031	728.48	94.9	0.570	
36	36 13C-1,2,3,4-TCDD	1.02e6	0.79	NO	1.00	1.043	25.370	25.36	1.000	1.000	1918.1	100	1.98	
37	37 13C-1,2,3,4-TCDF	1.51e6	0.78	NO	1.00	1.043	23.870	23.86	1.000	1.000	1918.1	100	1.97	
38	38 13C-1,2,3,4,6,9-HxCDF	9.33e5	0.52	NO	1.00	1.043	33.710	33.70	1.000	1.000	1918.1	100	5.88	
39	39 Total Tetra-Dioxins				0.950	1.043	24.620		0.000				0.349	
40	40 Total Penta-Dioxins				0.885	1.043	29.960		0.000				0.133	
41	41 Total Hexa-Dioxins				0.915	1.043	33.635		0.000				0.332	
42	42 Total Hepta-Dioxins				0.870	1.043	37.640		0.000				0.414	
43	43 Total Tetra-Furans				0.824	1.043	23.610		0.000				0.294	
44	44 1st Func. Penta-Furans				0.963	1.043	26.930		0.000				0.350	
45	45 Total Penta-Furans				0.963	1.043	29.275		0.000				0.137	
46	46 Total Hexa-Furans				0.991	1.043	33.555		0.000				0.167	
47	47 Total Hepta-Furans				0.999	1.043	37.835		0.000				0.192	

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Dataset: U:\VG12.PRO\Results\201113R1\201113R1-12.qld

Last Altered: Sunday, November 15, 2020 08:42:29 Pacific Standard Time

Printed: Monday, November 16, 2020 07:58:23 Pacific Standard Time

Method: U:\VG12.PRO\MethDB\1613rrt-11-11-20.mdb 12 Nov 2020 07:51:39

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-10-20-20.cdb 20 Oct 2020 13:36:10

Name: 201113R1_12, Date: 13-Nov-2020, Time: 15:24:49, ID: 2002298-02 SC-RB-2010261130 1, Description: SC-RB-2010261130

Tetra-Dioxins

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

Penta-Dioxins

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

Hexa-Dioxins

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

Hepta-Dioxins

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

Tetra-Furans

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

Penta-Furans function 1

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

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\201113R1\201113R1-12.qld

Last Altered: Sunday, November 15, 2020 08:42:29 Pacific Standard Time

Printed: Monday, November 16, 2020 07:58:23 Pacific Standard Time

Name: 201113R1_12, Date: 13-Nov-2020, Time: 15:24:49, ID: 2002298-02 SC-RB-2010261130 1, Description: SC-RB-2010261130

Penta-Furans

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

Hexa-Furans

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

Hepta-Furans

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

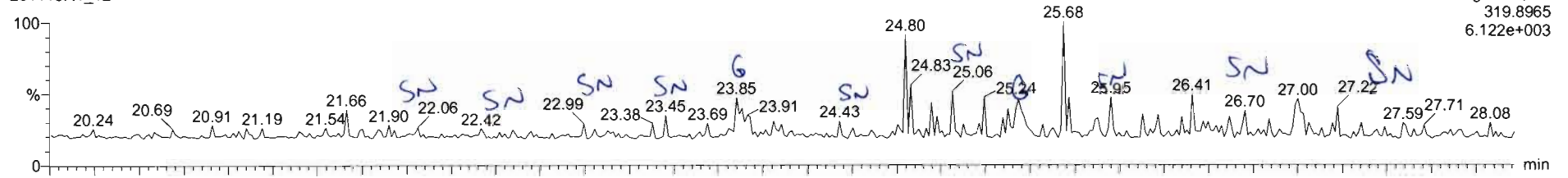
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Last Altered: Sunday, November 15, 2020 08:45:55 Pacific Standard Time
Printed: Sunday, November 15, 2020 08:46:00 Pacific Standard Time

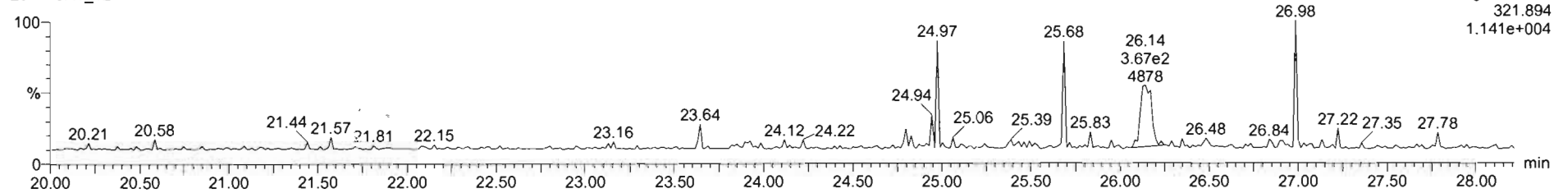
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2,3,7,8-TCDD

201113R1_12

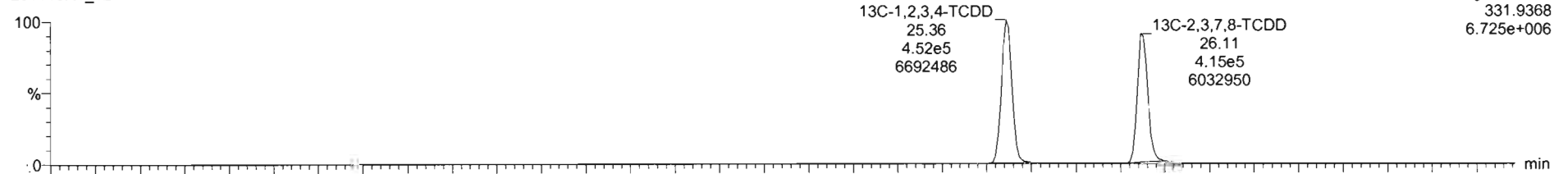


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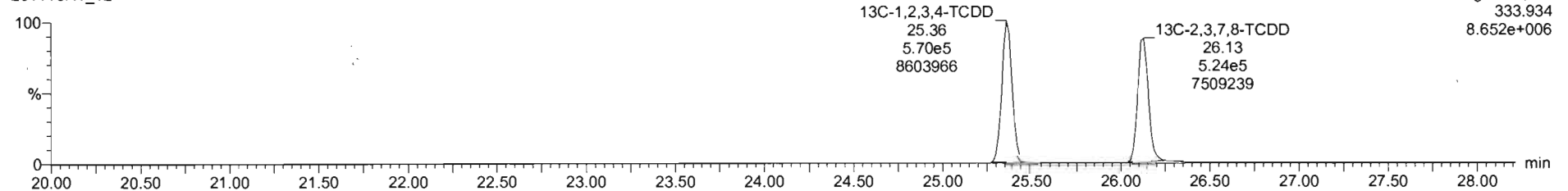


13C-2,3,7,8-TCDD

201113R1_12



201113R1_12



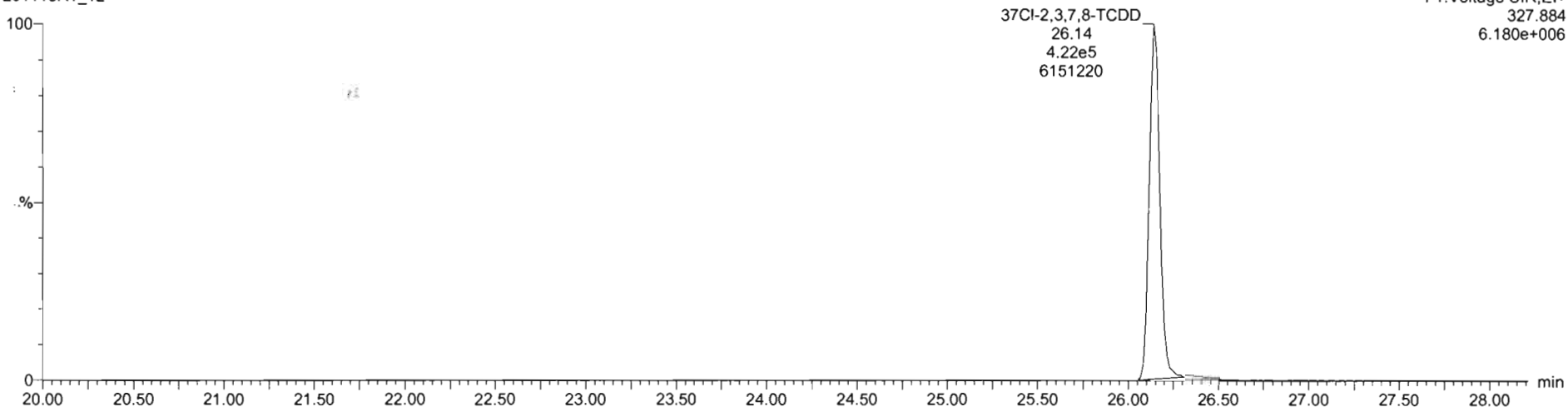
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Last Altered: Sunday, November 15, 2020 08:45:55 Pacific Standard Time
Printed: Sunday, November 15, 2020 08:46:00 Pacific Standard Time

Name: 201113R1_12, Date: 13-Nov-2020, Time: 15:24:49, ID: 2002298-02 SC-RB-2010261130 1, Description: SC-RB-2010261130

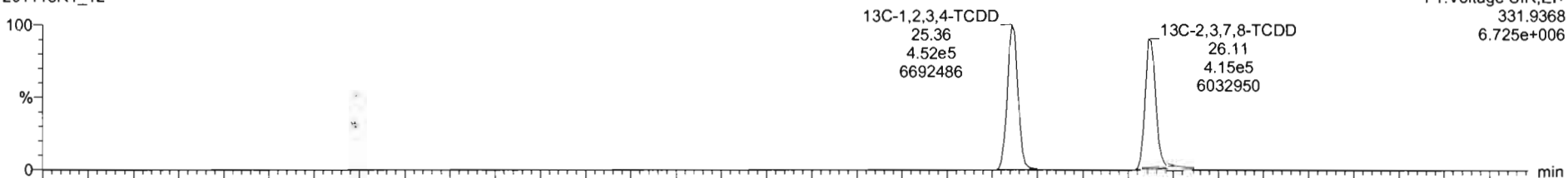
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201113R1_12

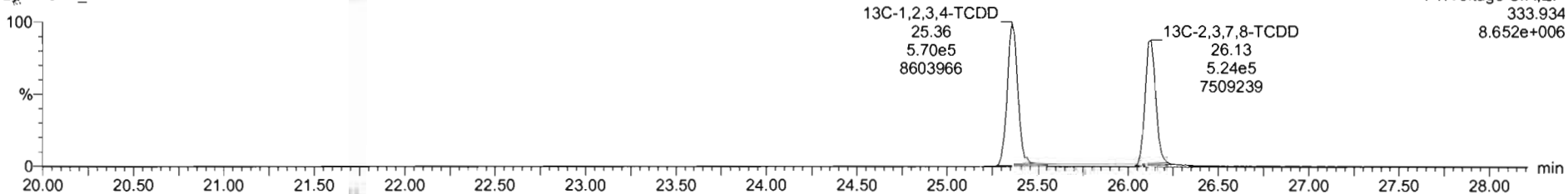


13C-1,2,3,4-TCDD

201113R1_12



201113R1_12



Dataset: Untitled

Last Altered: Sunday, November 15, 2020 08:45:55 Pacific Standard Time

Printed: Sunday, November 15, 2020 08:46:00 Pacific Standard Time

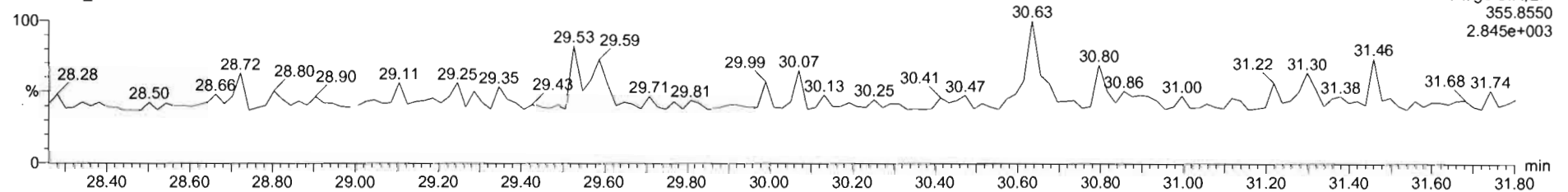
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1,2,3,7,8-PeCDD

201113R1_12

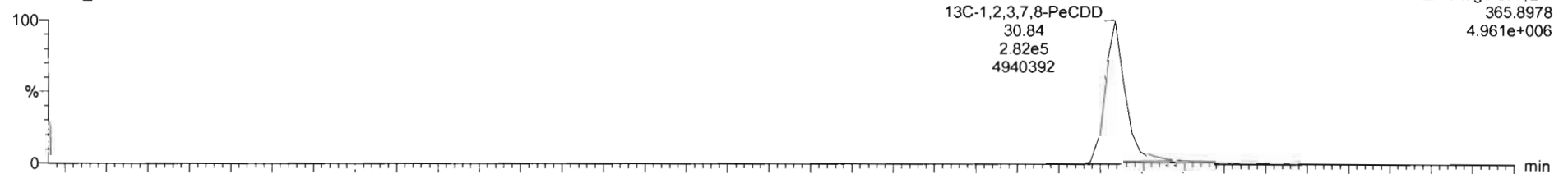


201113R1_12

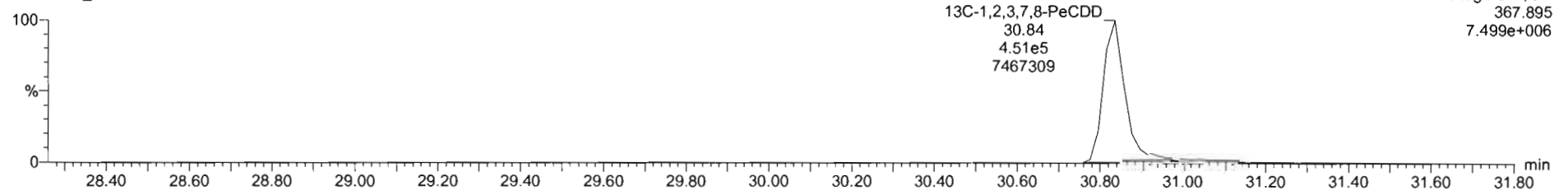


¹³C-1,2,3,7,8-PeCDD

201113R1_12



201113R1_12



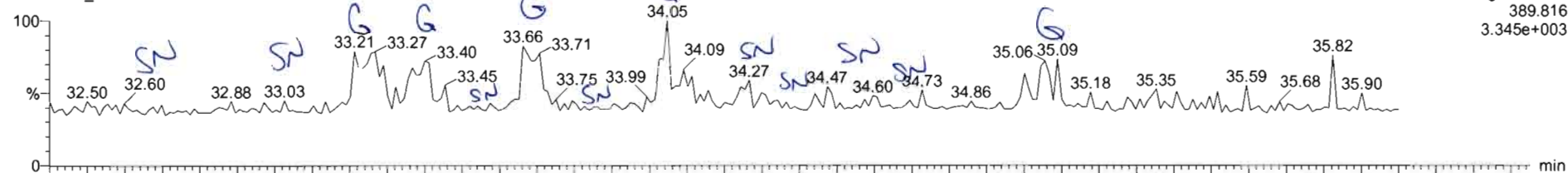
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Last Altered: Sunday, November 15, 2020 08:45:55 Pacific Standard Time
Printed: Sunday, November 15, 2020 08:46:00 Pacific Standard Time

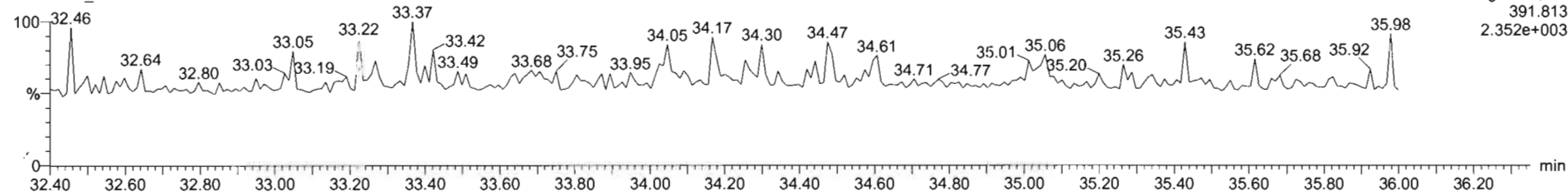
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1,2,3,4,7,8-HxCDD

201113R1_12

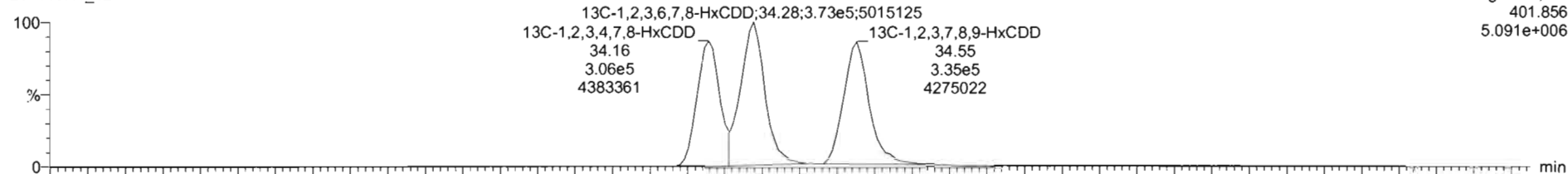


201113R1_12

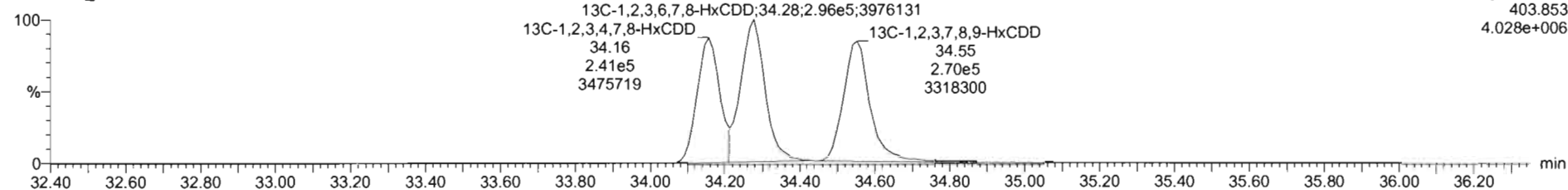


13C-1,2,3,4,7,8-HxCDD

201113R1_12



201113R1_12



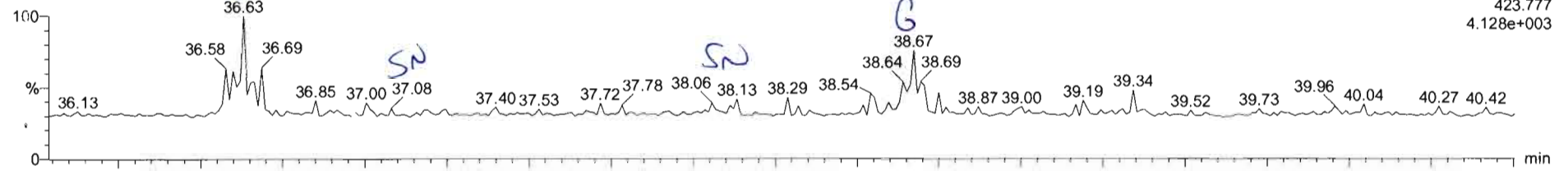
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Last Altered: Sunday, November 15, 2020 08:45:55 Pacific Standard Time
Printed: Sunday, November 15, 2020 08:46:00 Pacific Standard Time

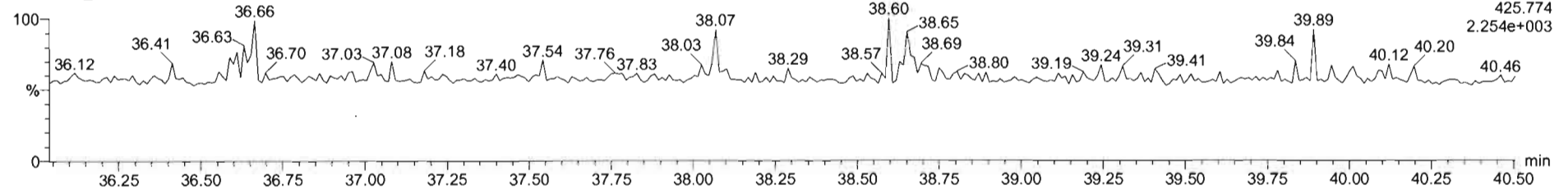
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1,2,3,4,6,7,8-HpCDD

201113R1_12

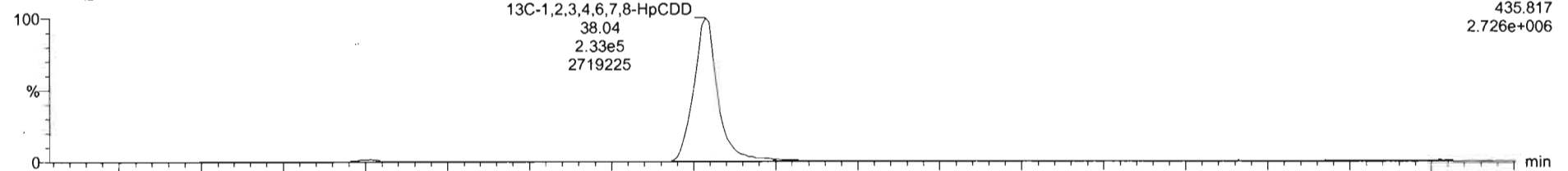


201113R1_12

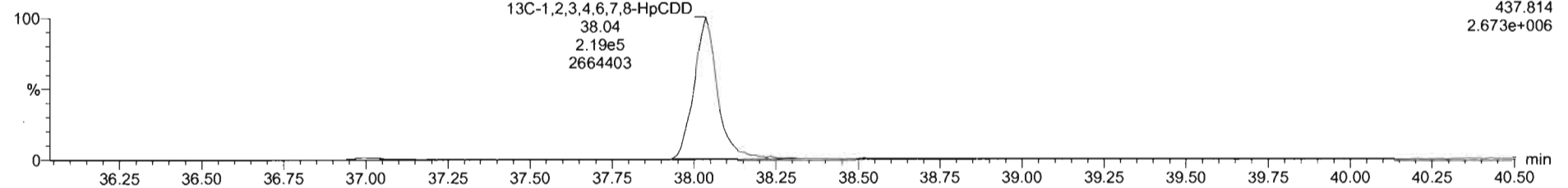


13C-1,2,3,4,6,7,8-HpCDD

201113R1_12



201113R1_12



Dataset: Untitled

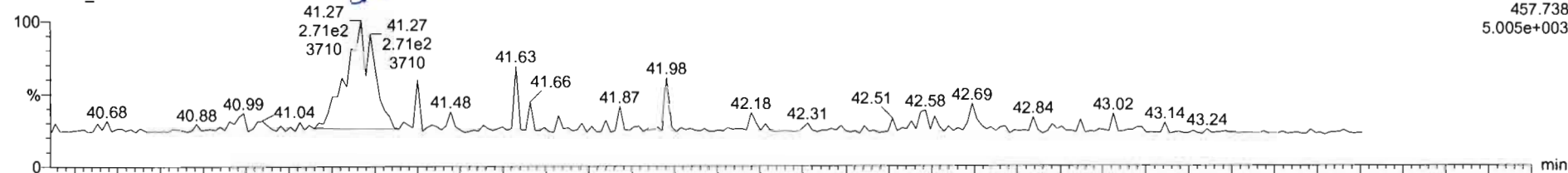
Last Altered: Sunday, November 15, 2020 08:45:55 Pacific Standard Time

Printed: Sunday, November 15, 2020 08:46:00 Pacific Standard Time

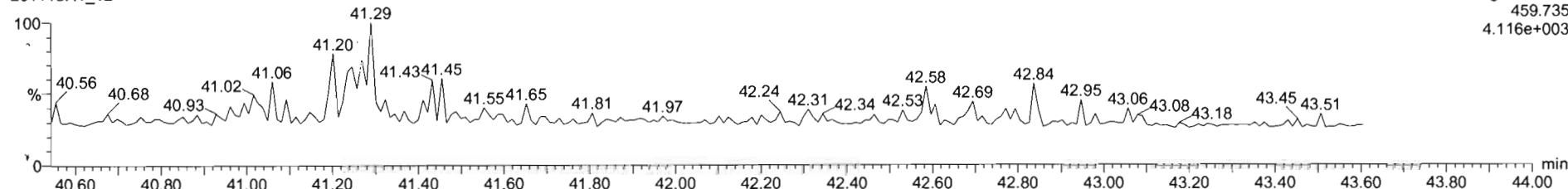
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OCDD

201113R1_12

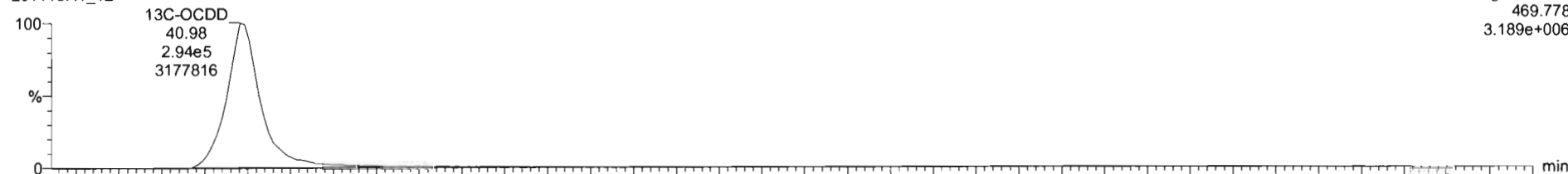


201113R1_12

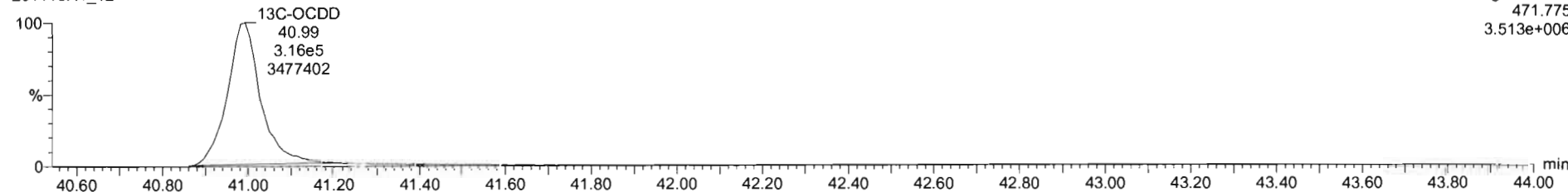


13C-OCDD

201113R1_12



201113R1_12



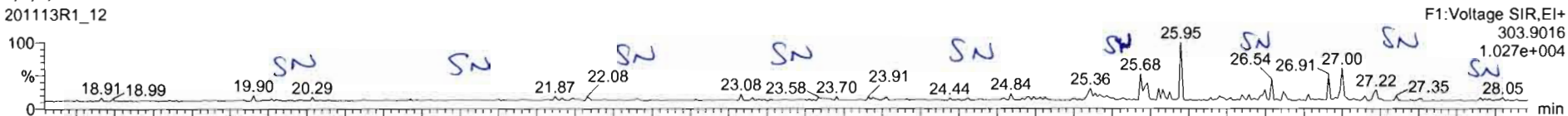
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Last Altered: Sunday, November 15, 2020 08:45:55 Pacific Standard Time
Printed: Sunday, November 15, 2020 08:46:00 Pacific Standard Time

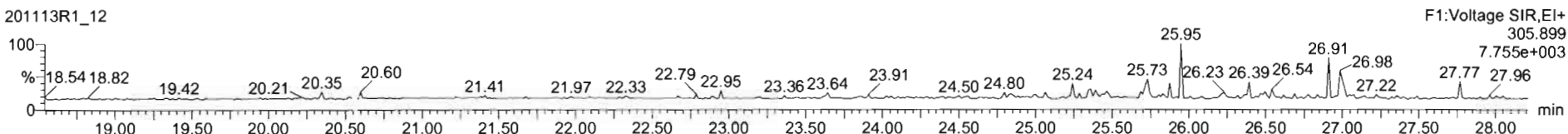
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2,3,7,8-TCDF

201113R1_12

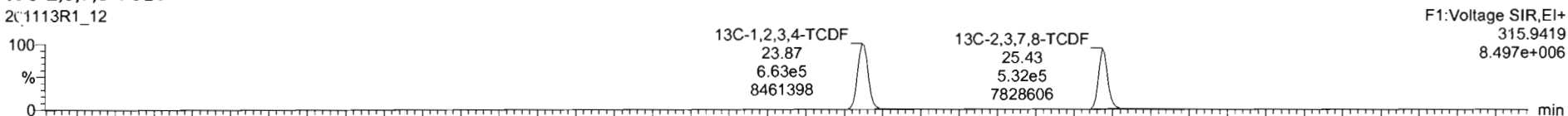


201113R1_12

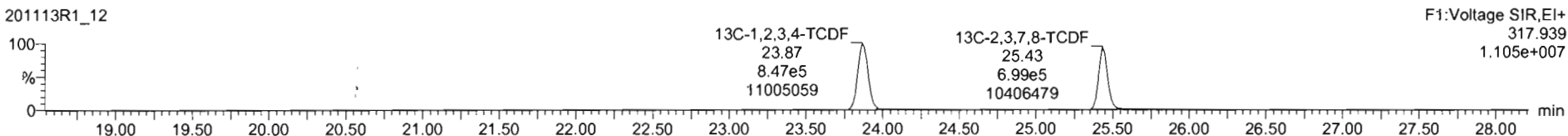


13C-2,3,7,8-TCDF

201113R1_12

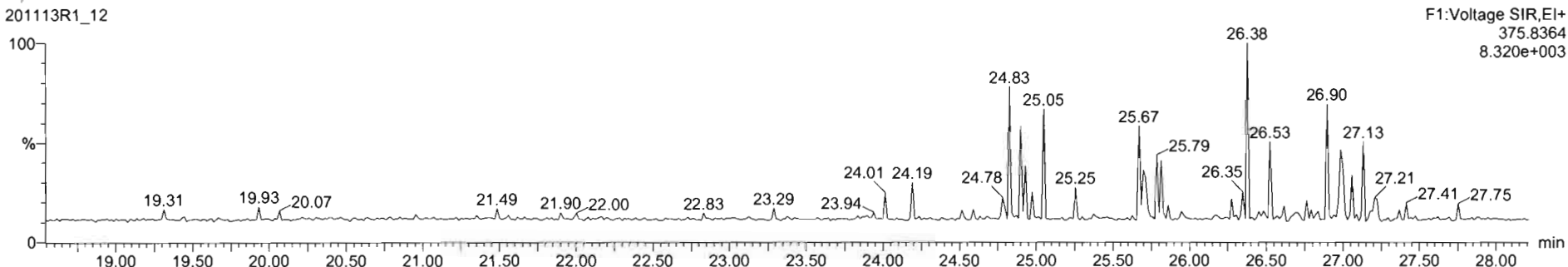


201113R1_12



DPE1

201113R1_12



Dataset: Untitled

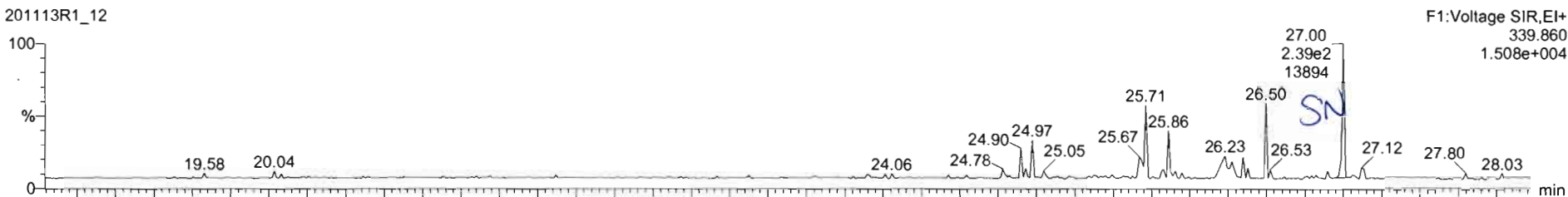
Last Altered: Sunday, November 15, 2020 08:45:55 Pacific Standard Time

Printed: Sunday, November 15, 2020 08:46:00 Pacific Standard Time

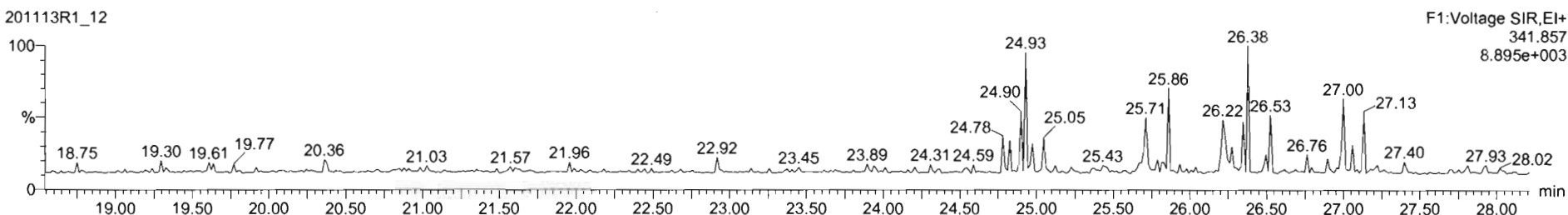
Name: 201113R1_12, Date: 13-Nov-2020, Time: 15:24:49, ID: 2002298-02 SC-RB-2010261130 1, Description: SC-RB-2010261130

1st Func. Penta-Furans

201113R1_12

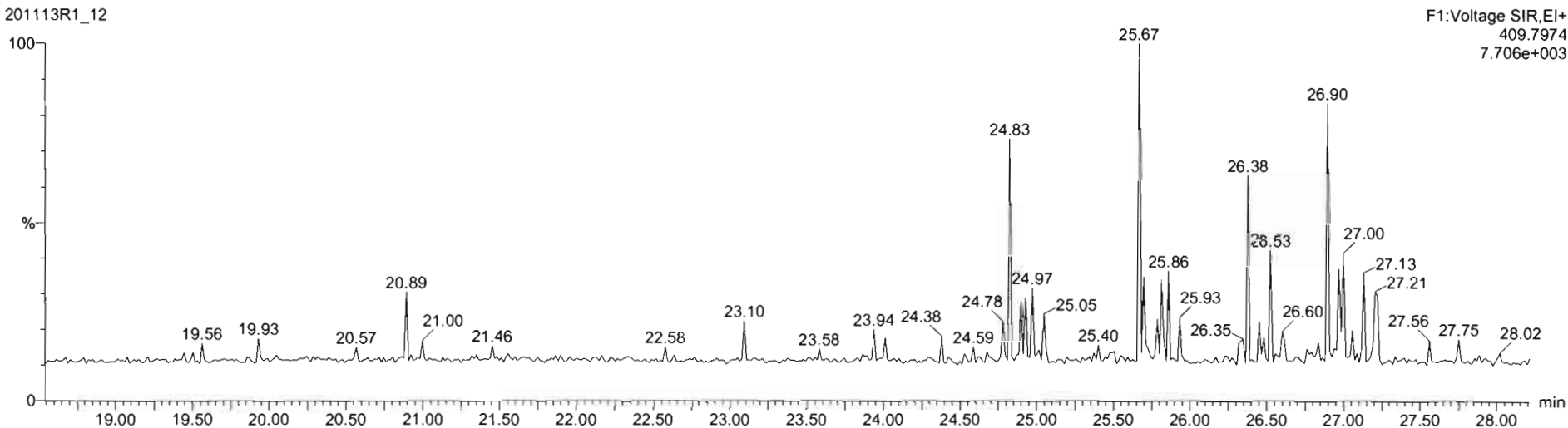


201113R1_12



DPE6

201113R1_12



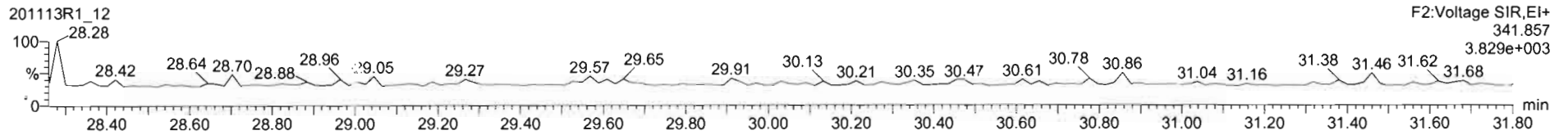
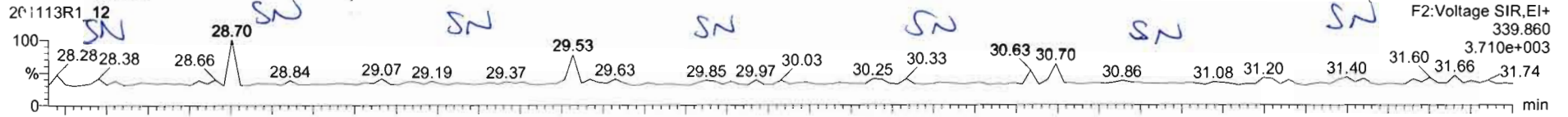
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Last Altered: Sunday, November 15, 2020 08:45:55 Pacific Standard Time

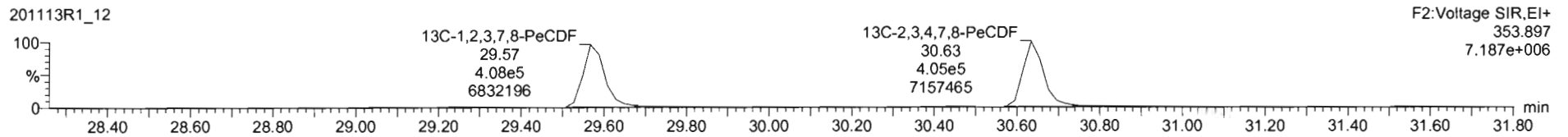
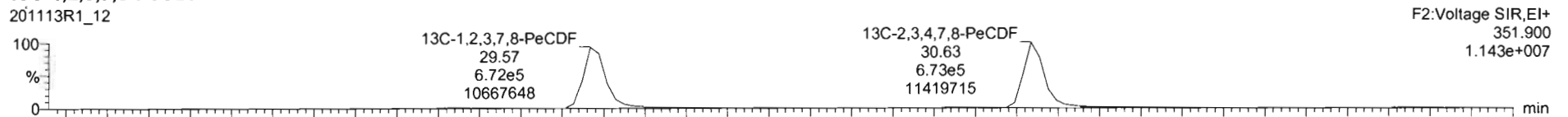
Printed: Sunday, November 15, 2020 08:46:00 Pacific Standard Time

Name: 201113R1_12, Date: 13-Nov-2020, Time: 15:24:49, ID: 2002298-02 SC-RB-2010261130 1, Description: SC-RB-2010261130

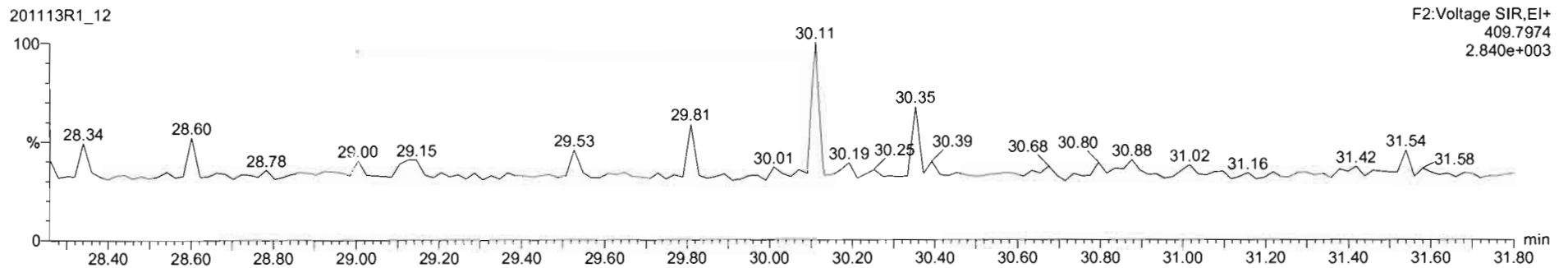
1,2,3,7,8-PeCDF



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



DPE2



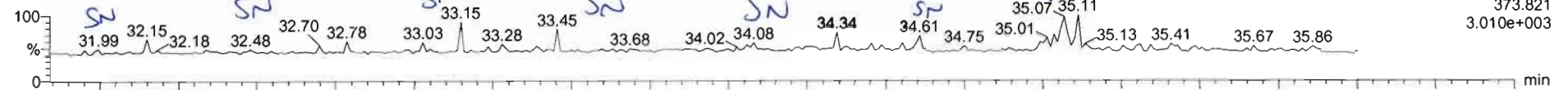
Dataset: Untitled

Last Altered: Sunday, November 15, 2020 08:45:55 Pacific Standard Time
Printed: Sunday, November 15, 2020 08:46:00 Pacific Standard Time

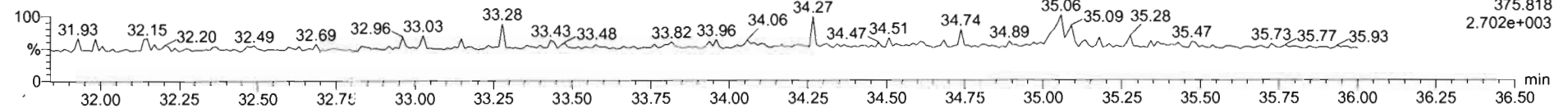
Name: 201113R1_12, Date: 13-Nov-2020, Time: 15:24:49, ID: 2002298-02 SC-RB-2010261130 1, Description: SC-RB-2010261130

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

201113R1_12

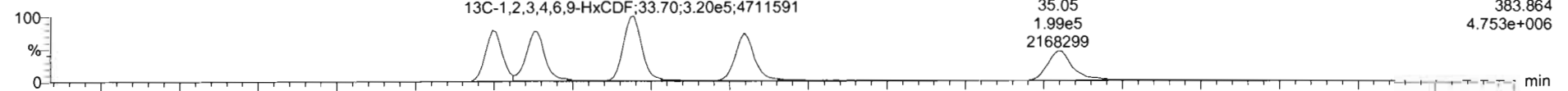


201113R1_12

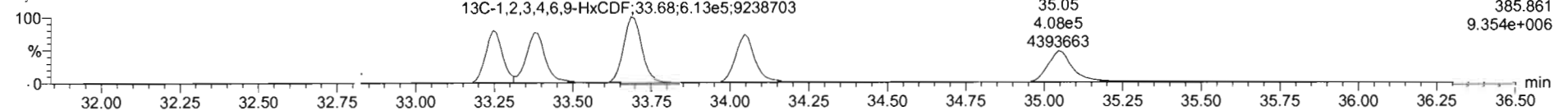


13C-1,2,3,4,7,8-HxCDF

201113R1_12

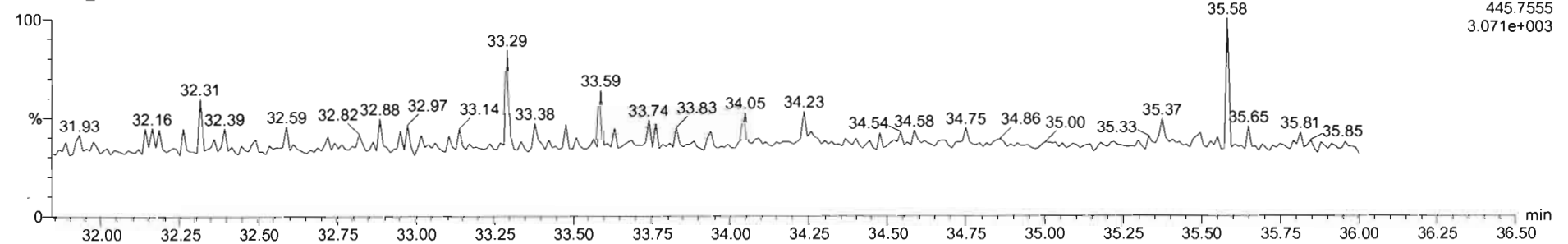


201113R1_12



DPE3

201113R1_12

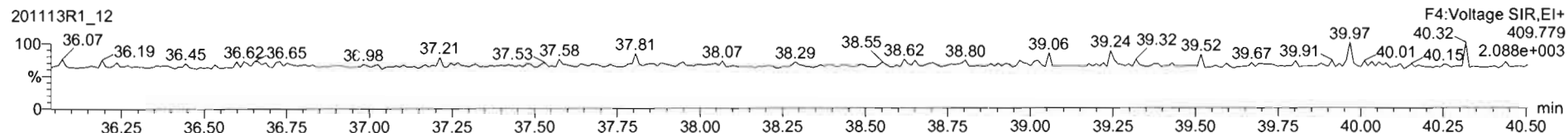
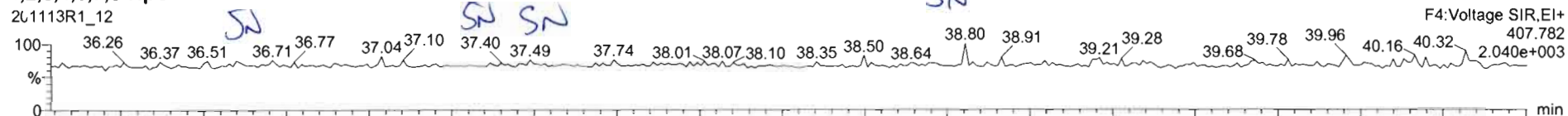


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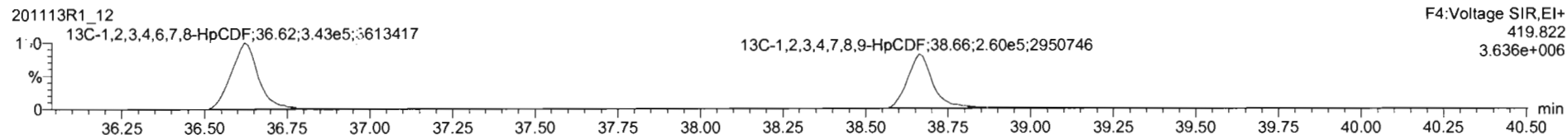
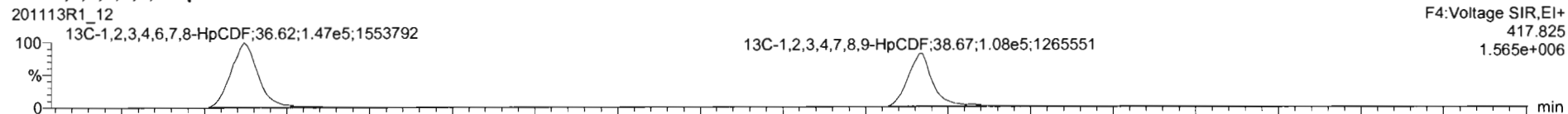
Last Altered: Sunday, November 15, 2020 08:45:55 Pacific Standard Time
Printed: Sunday, November 15, 2020 08:46:00 Pacific Standard Time

Name: 201113R1_12, Date: 13-Nov-2020, Time: 15:24:49, ID: 2002298-02 SC-RB-2010261130 1, Description: SC-RB-2010261130

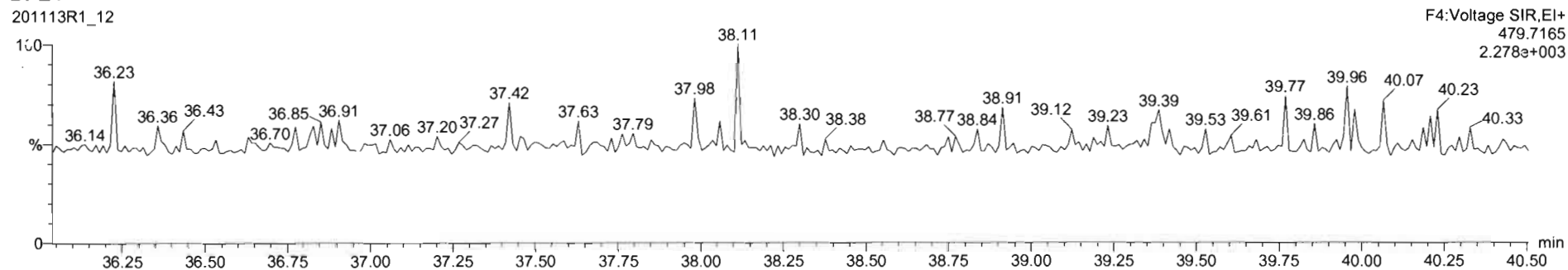
1,2,3,4,6,7,8-HpCDF



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



DPE4

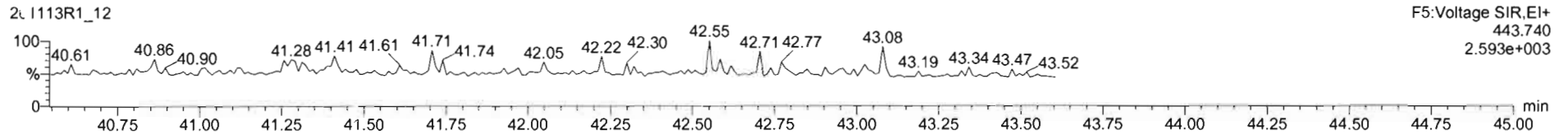
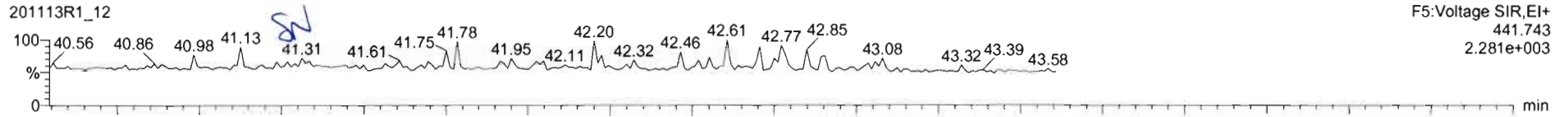


Dataset: Untitled

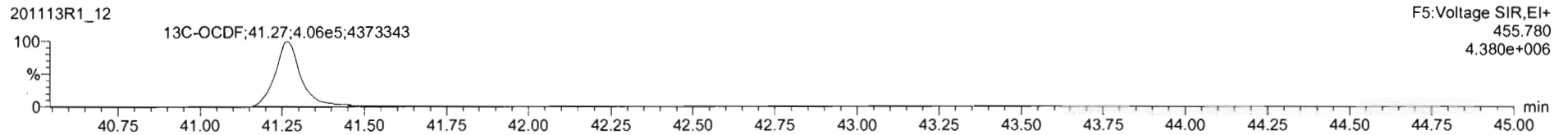
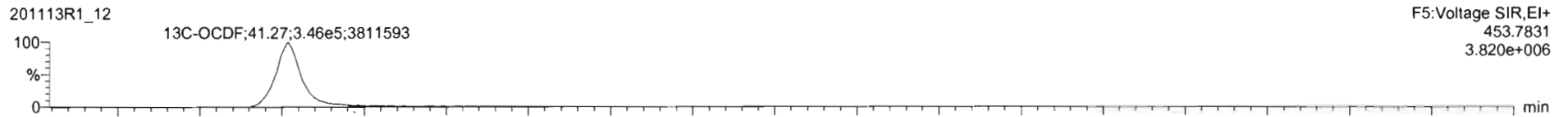
Last Altered: Sunday, November 15, 2020 08:45:55 Pacific Standard Time
Printed: Sunday, November 15, 2020 08:46:00 Pacific Standard Time

Name: 201113R1_12, Date: 13-Nov-2020, Time: 15:24:49, ID: 2002298-02 SC-RB-2010261130 1, Description: SC-RB-2010261130

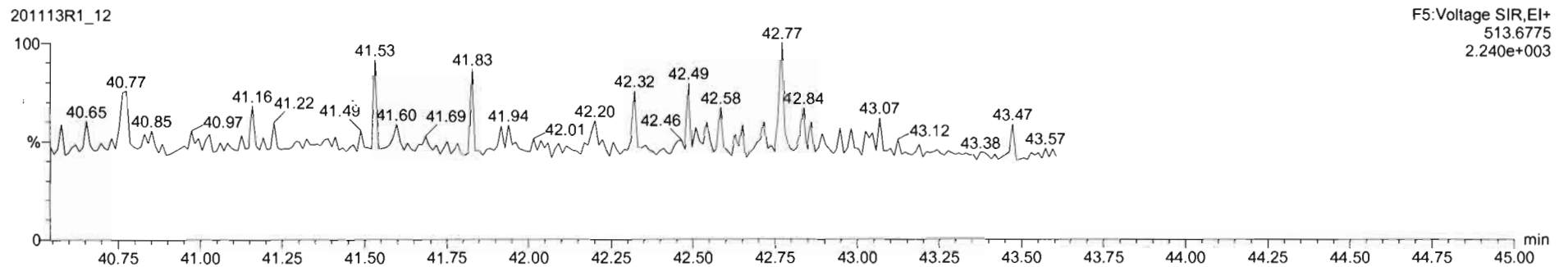
OCDF



13C-OCDF



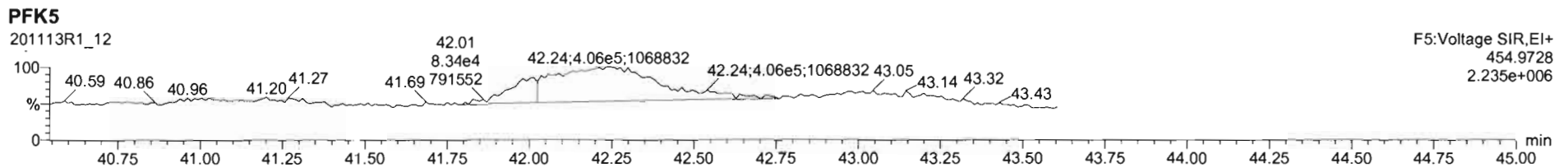
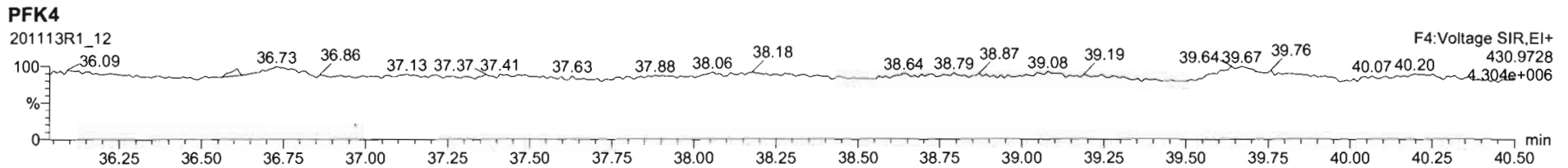
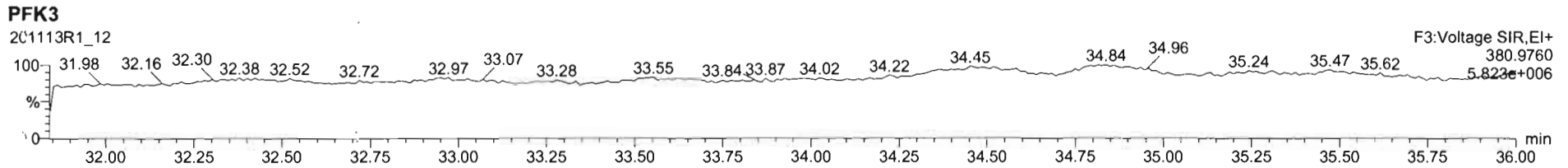
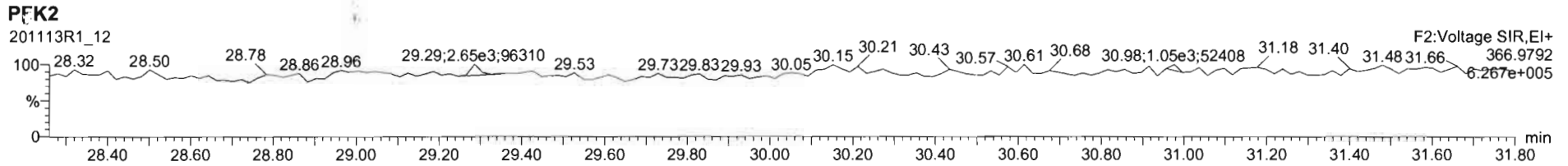
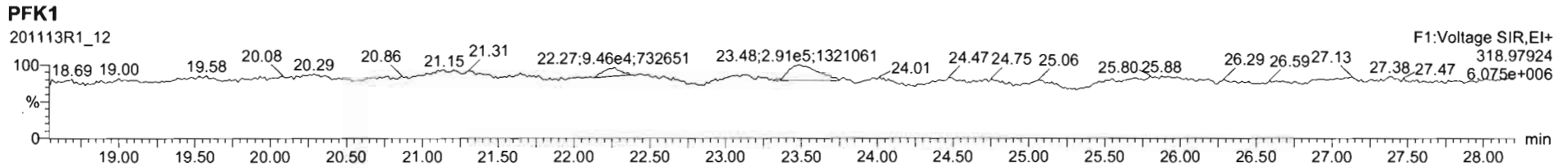
DPE5



Dataset: Untitled

Last Altered: Sunday, November 15, 2020 08:45:55 Pacific Standard Time
Printed: Sunday, November 15, 2020 08:46:00 Pacific Standard Time

Name: 201113R1_12, Date: 13-Nov-2020, Time: 15:24:49, ID: 2002298-02 SC-RB-2010261130 1, Description: SC-RB-2010261130



CONTINUING CALIBRATION

HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST201112R1-1

Reviewed By: dy 11-13-2020 HZ 11-13-2020
Initials & Date

End Calibration ID: ST201112R2-1

	<u>Beg.</u>	<u>End</u>
Ion abundance within QC limits?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Concentrations within criteria?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
TCDD/TCDF Valleys <25%	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
First and last eluters present?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Retention Times within criteria?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Verification Std. named correctly? (ST-Year-Month-Day-VG ID)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Forms signed and dated?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Correct ICAL referenced?	<u>GRB</u>	<u>GRB</u>
<u>Run Log:</u>		
- Correct Instrument listed?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
- Samples within 12 hour clock?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
- Bottle position verified?	<u>GRB</u>	

Mass resolution \geq

5k 6-8K 8K 10K
 1614 1699 429 1613/1668/8280

Intergrated peaks display correctly?

GC Break <20%

NA

8280 CS1 End Standard:

- Ratios within limits, S/N <2.5:1, CS1 within 12 hours

NA

Comments:

Dataset: U:\VG12.PRO\Results\201112R1\201112R1-1.qld

Last Altered: Thursday, November 12, 2020 7:56:15 AM Pacific Standard Time

Printed: Friday, November 13, 2020 7:02:43 AM Pacific Standard Time

GPB 11/13/2020
WJ 11/13/2020

Method: U:\VG12.PRO\MethDB\1613rrt-11-11-20.mdb 12 Nov 2020 07:51:39

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-10-20-20.cdb 20 Oct 2020 13:36:10

Name: 201112R1_1, Date: 12-Nov-2020, Time: 07:05:09, ID: ST201112R1_1 1613 CS3 20F1105, Description: 1613 CS3 20F1105

	# 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	1.30e5	1.30e6	0.77	NO	0.950	26.16	26.14	NO	1.001	1.001	10.510	105	NO
2	2 1,2,3,7,8-PeCDD	4.33e5	9.34e5	0.62	NO	0.885	30.84	30.86	NO	1.000	1.001	52.344	105	NO
3	3 1,2,3,4,7,8-HxCDD	3.61e5	6.85e5	1.22	NO	1.02	34.17	34.17	NO	1.000	1.000	51.724	103	NO
4	4 1,2,3,6,7,8-HxCDD	3.93e5	8.72e5	1.20	NO	0.915	34.29	34.29	NO	1.000	1.000	49.278	98.6	NO
5	5 1,2,3,7,8,9-HxCDD	3.60e5	7.66e5	1.18	NO	0.934	34.56	34.56	NO	1.000	1.000	50.239	100	NO
6	6 1,2,3,4,6,7,8-HpCDD	2.68e5	6.13e5	1.00	NO	0.870	38.04	38.05	NO	1.000	1.000	50.281	101	NO
7	7 OCDD	4.51e5	1.02e6	0.87	NO	0.872	40.98	40.98	NO	1.000	1.000	101.30	101	NO
8	8 2,3,7,8-TCDF	1.17e5	1.52e6	0.75	NO	0.824	25.44	25.46	NO	1.000	1.001	9.3488	93.5	NO
9	9 1,2,3,7,8-PeCDF	6.52e5	1.36e6	1.56	NO	0.963	29.60	29.59	NO	1.000	1.000	49.822	99.6	NO
10	10 2,3,4,7,8-PeCDF	6.74e5	1.29e6	1.54	NO	1.07	30.64	30.66	NO	1.000	1.001	49.088	98.2	NO
11	11 1,2,3,4,7,8-HxCDF	4.04e5	8.77e5	1.21	NO	0.953	33.26	33.27	NO	1.000	1.000	48.364	96.7	NO
12	12 1,2,3,6,7,8-HxCDF	4.58e5	9.30e5	1.20	NO	1.01	33.38	33.40	NO	1.000	1.001	48.887	97.8	NO
13	13 2,3,4,6,7,8-HxCDF	4.09e5	8.53e5	1.20	NO	0.991	34.05	34.07	NO	1.000	1.001	48.366	96.7	NO
14	14 1,2,3,7,8,9-HxCDF	3.20e5	6.94e5	1.20	NO	0.951	35.04	35.07	NO	1.000	1.001	48.531	97.1	NO
15	15 1,2,3,4,6,7,8-HpCDF	3.17e5	6.40e5	1.00	NO	0.999	36.62	36.63	NO	1.000	1.000	49.631	99.3	NO
16	16 1,2,3,4,7,8,9-HpCDF	2.60e5	4.54e5	1.02	NO	1.12	38.66	38.67	NO	1.000	1.000	50.973	102	NO
17	17 OCDF	4.74e5	1.11e6	0.88	NO	0.868	41.28	41.28	NO	1.000	1.000	98.567	98.6	NO
18	18 13C-2,3,7,8-TCDD	1.30e6	1.03e6	0.79	NO	1.11	26.12	26.13	NO	1.030	1.030	113.77	114	NO
19	19 13C-1,2,3,7,8-PeCDD	9.34e5	1.03e6	0.63	NO	0.859	30.85	30.84	NO	1.216	1.216	105.26	105	NO
20	20 13C-1,2,3,4,7,8-HxCDD	6.85e5	9.21e5	1.27	NO	0.700	34.16	34.16	NO	1.014	1.014	106.30	106	NO
21	21 13C-1,2,3,6,7,8-HxCDD	8.72e5	9.21e5	1.27	NO	0.833	34.30	34.28	NO	1.018	1.017	113.66	114	NO
22	22 13C-1,2,3,7,8,9-HxCDD	7.66e5	9.21e5	1.25	NO	0.762	34.54	34.55	NO	1.025	1.025	109.24	109	NO
23	23 13C-1,2,3,4,6,7,8-HpCDD	6.13e5	9.21e5	1.03	NO	0.650	38.03	38.04	NO	1.129	1.129	102.44	102	NO
24	24 13C-OCDD	1.02e6	9.21e5	0.90	NO	0.539	41.00	40.98	NO	1.217	1.216	205.66	103	NO
25	25 13C-2,3,7,8-TCDF	1.52e6	1.55e6	0.77	NO	0.981	25.44	25.43	NO	1.003	1.003	99.898	99.9	NO
26	26 13C-1,2,3,7,8-PeCDF	1.36e6	1.55e6	1.59	NO	0.792	29.58	29.59	NO	1.166	1.167	110.65	111	NO
27	27 13C-2,3,4,7,8-PeCDF	1.29e6	1.55e6	1.59	NO	0.778	30.64	30.64	NO	1.208	1.208	106.52	107	NO
28	28 13C-1,2,3,4,7,8-HxCDF	8.77e5	9.21e5	0.50	NO	0.954	33.25	33.26	NO	0.987	0.987	99.844	99.8	NO
29	29 13C-1,2,3,6,7,8-HxCDF	9.30e5	9.21e5	0.51	NO	1.01	33.39	33.38	NO	0.991	0.991	100.40	100	NO
30	30 13C-2,3,4,6,7,8-HxCDF	8.53e5	9.21e5	0.51	NO	0.921	34.06	34.05	NO	1.011	1.010	100.52	101	NO

Dataset: U:\VG12.PRO\Results\201112R1\201112R1-1.qld

Last Altered: Thursday, November 12, 2020 7:56:15 AM Pacific Standard Time

Printed: Friday, November 13, 2020 7:02:43 AM Pacific Standard Time

Name: 201112R1_1, Date: 12-Nov-2020, Time: 07:05:09, ID: ST201112R1_1 1613 CS3 20F1105, Description: 1613 CS3 20F1105

	# Name	Resp	IS Resp	RA	n/y	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
31	31 13C-1,2,3,7,8,9-HxCDF	6.94e5	9.21e5	0.50	NO	0.803	35.05	35.04	NO	1.040	1.040	93.857	93.9	NO
32	32 13C-1,2,3,4,6,7,8-HpCDF	6.40e5	9.21e5	0.43	NO	0.735	36.62	36.62	NO	1.087	1.087	94.499	94.5	NO
33	33 13C-1,2,3,4,7,8,9-HpCDF	4.54e5	9.21e5	0.41	NO	0.568	38.66	38.66	NO	1.147	1.147	86.773	86.8	NO
34	34 13C-OCDF	1.11e6	9.21e5	0.88	NO	0.629	41.28	41.27	NO	1.225	1.225	191.12	95.6	NO
35	35 37Cl-2,3,7,8-TCDD	1.31e5	1.03e6			1.09	26.12	26.14	NO	1.030	1.031	11.632	116	NO
36	36 13C-1,2,3,4-TCDD	1.03e6	1.03e6	0.79	NO	1.00	25.37	25.36	NO	1.000	1.000	100.00	100	NO
37	37 13C-1,2,3,4-TCDF	1.55e6	1.55e6	0.77	NO	1.00	23.87	23.86	NO	1.000	1.000	100.00	100	NO
38	38 13C-1,2,3,4,6,9-HxCDF	9.21e5	9.21e5	0.50	NO	1.00	33.71	33.69	NO	1.000	1.000	100.00	100	YES <i>ok</i>

Vista Analytical Laboratory VG-11

Dataset: Untitled

Last Altered: Friday, November 13, 2020 6:54:52 AM Pacific Standard Time

Printed: Friday, November 13, 2020 6:55:39 AM Pacific Standard Time

Method: U:\VG12.PRO\MethDB\1613rrt-11-11-20.mdb 12 Nov 2020 07:51:39

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-10-20-20.cdb 20 Oct 2020 13:36:10

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

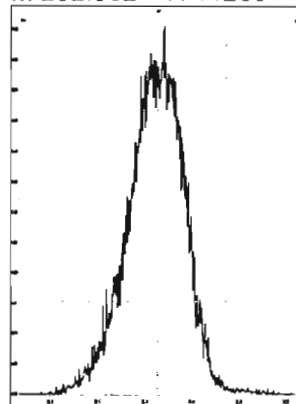
	Name	ID	Acq.Date	Acq.Time
1	201112R1_1	ST201112R1_1 1613 CS3 20F1105	12-Nov-20	07:05:09
2	201112R1_2	TCDF CPSM	12-Nov-20	07:51:09
3	201112R1_3	BOK0008-BS1 OPR 1	12-Nov-20	08:36:04
4	201112R1_4	SOLVENT BLANK	12-Nov-20	09:21:30
5	201112R1_5	BOK0008-BLK1 Method Blank 1	12-Nov-20	10:06:46
6	201112R1_6	QC201108-01 SPE QC/ New Screen Filter	12-Nov-20	10:52:25
7	201112R1_7	2002210-01 2020-10-13-101 15.65	12-Nov-20	11:37:19
8	201112R1_8	2002210-02 2020-10-13-102 20.16	12-Nov-20	12:22:13
9	201112R1_9	2002210-03 2020-10-13-103 17.39	12-Nov-20	13:07:08
10	201112R1_10	2002210-04 2020-10-13-104 11.1	12-Nov-20	13:52:01
11	201112R1_11	2002210-05 2020-10-13-105 12.84	12-Nov-20	14:36:55
12	201112R1_12	2002210-06 2020-10-13-106 12.14	12-Nov-20	15:21:49
13	201112R1_13	2002210-07 2020-10-13-107 10.99	12-Nov-20	16:06:43
14	201112R1_14	2002210-08 2020-10-13-108 10.53	12-Nov-20	16:51:33
15	201112R1_15	2002210-09 2020-10-13-109 10.35	12-Nov-20	17:36:24
16	201112R2_1	SOLVENT BLANK	12-Nov-20	18:30:18
17	201112R2_2	ST201112R2_1 1613 CS3 20F1105	12-Nov-20	19:15:14
18	201112R2_3	TCDF CPSM	12-Nov-20	20:00:07
19	Ⓐ 201112R2_4	SOLVENT BLANK	12-Nov-20	20:45:00

Ⓐ INST. PAUSED AFTER SOLVENT BLANK, NO SECOND SEQUENCE RUN

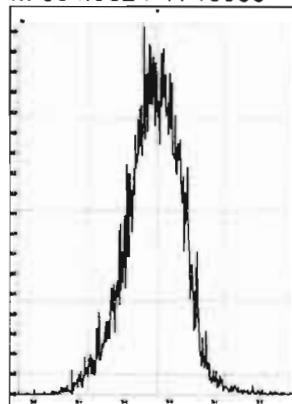
File: Experiment: OCDD_DB5_2.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Thursday, November 12, 2020 06:59:27 Pacific Standard Time

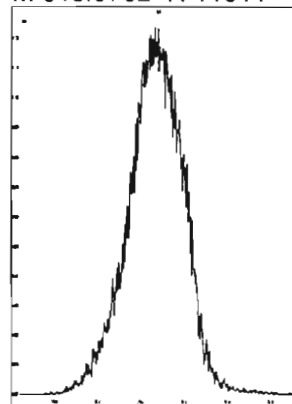
M 292.9824 R 11209



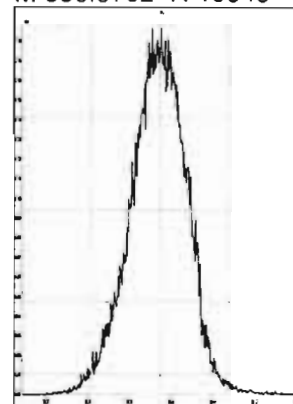
M 304.9824 R 10966



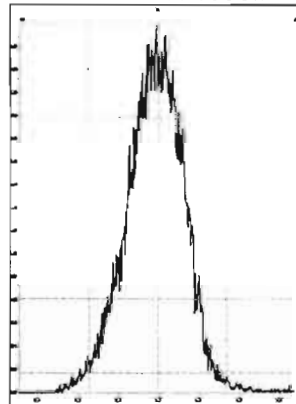
M 318.9792 R 11311



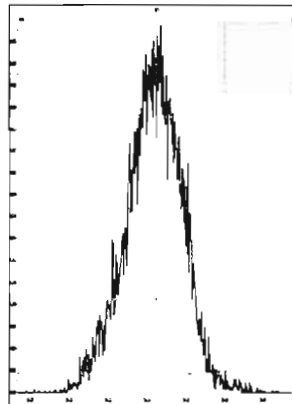
M 330.9792 R 10545



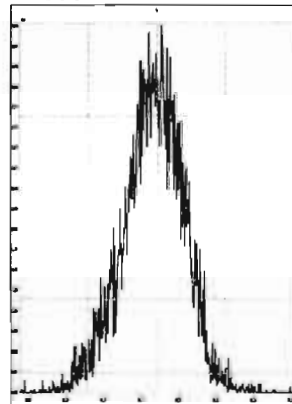
M 342.9792 R 10552



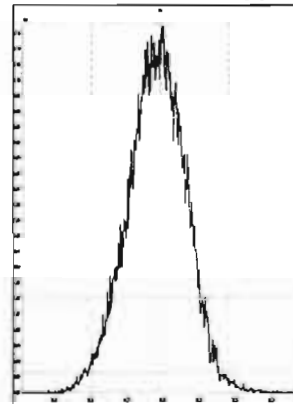
M 354.9792 R 11062



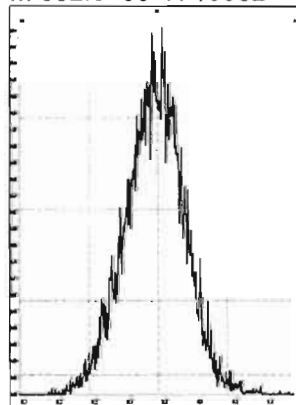
M 366.9792 R 10591



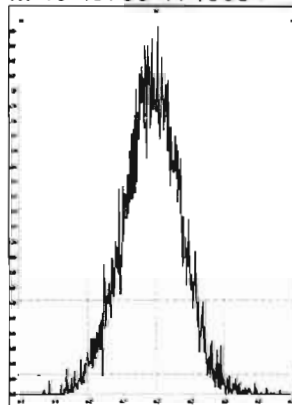
M 380.9760 R 10456



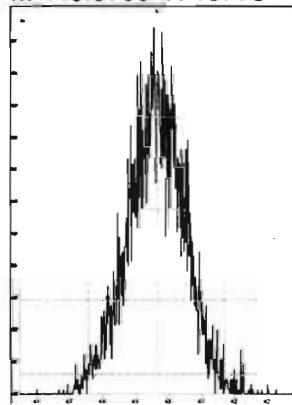
M 392.9760 R 10682



M 404.9760 R 10684



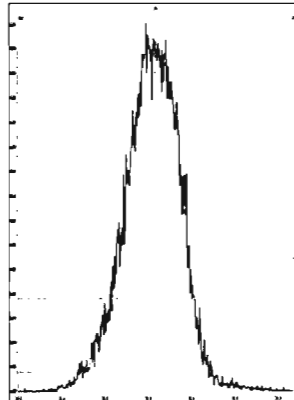
M 416.9760 R 10778



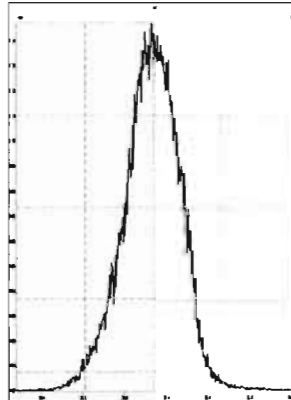
File: Experiment: OCDD_DB5_2.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Thursday, November 12, 2020 06:59:54 Pacific Standard Time

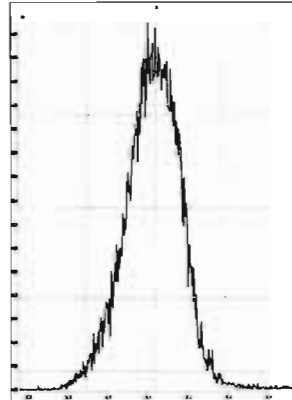
M 318.9792 R 10965



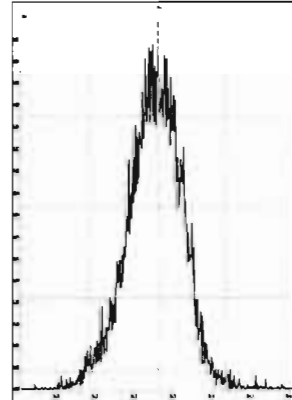
M 330.9792 R 10506



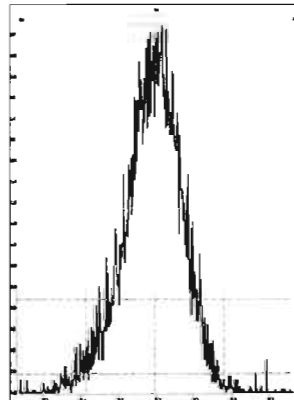
M 342.9792 R 10775



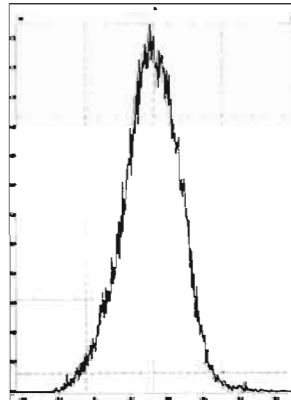
M 354.9792 R 10635



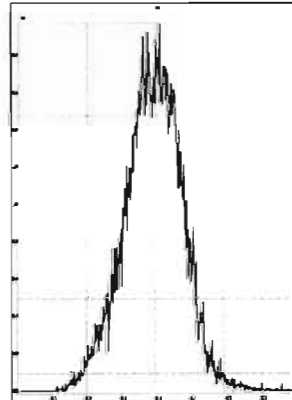
M 366.9792 R 10416



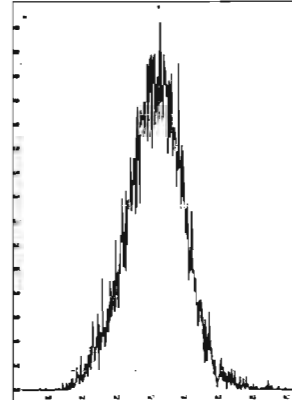
M 380.9760 R 10418



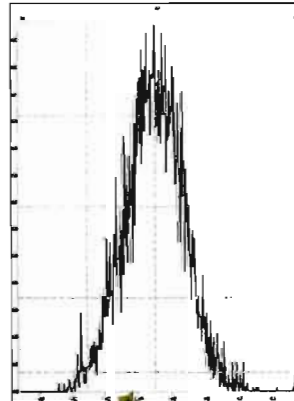
M 392.9760 R 10203



M 404.9760 R 10727



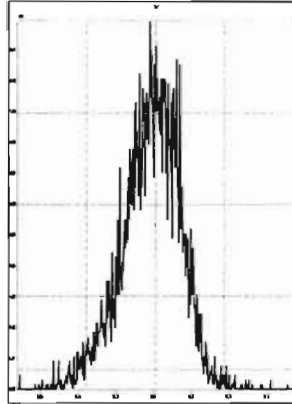
M 416.9760 R 11904



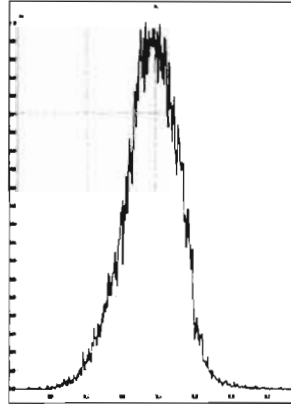
File: Experiment: OCDD_DB5_2.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Thursday, November 12, 2020 07:00:17 Pacific Standard Time

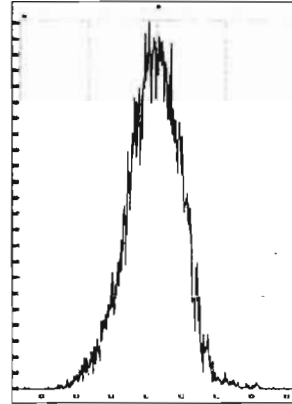
M 366.9792 R 10460



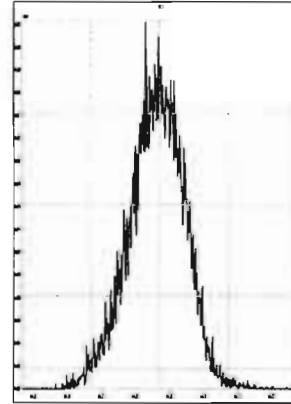
M 380.9760 R 10727



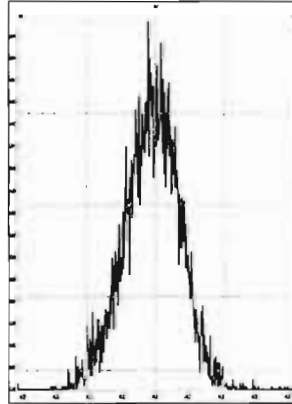
M 392.9760 R 11210



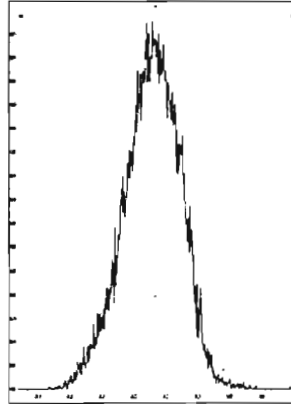
M 404.9760 R 10820



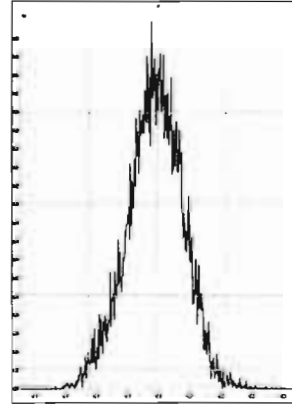
M 416.9760 R 11574



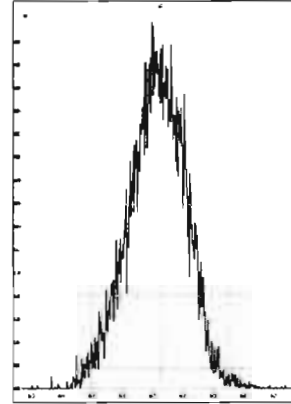
M 430.9728 R 10506



M 442.9728 R 11061



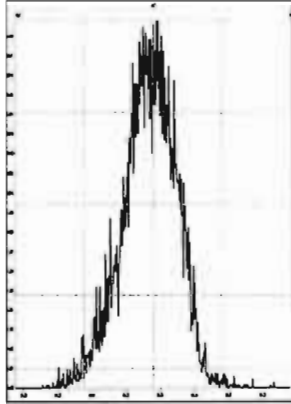
M 454.9728 R 11063



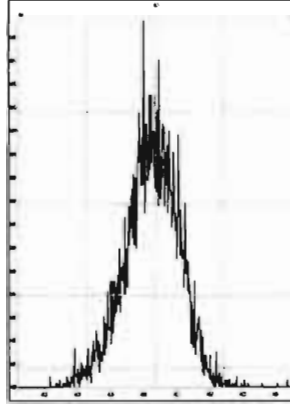
File: Experiment: OCDD_DB5_2.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Thursday, November 12, 2020 07:00:38 Pacific Standard Time

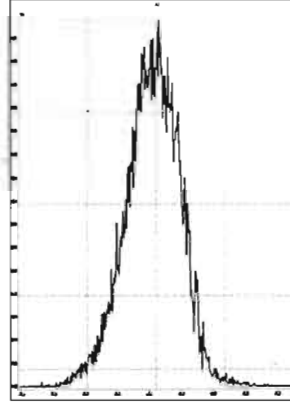
M 404.9760 R 11315



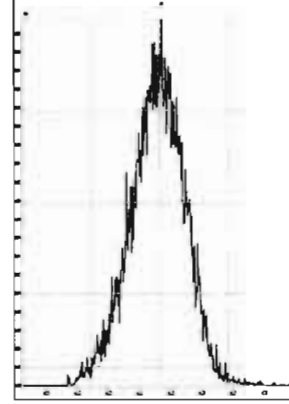
M 416.9760 R 11683



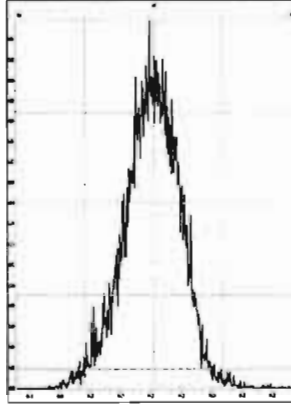
M 430.9728 R 11210



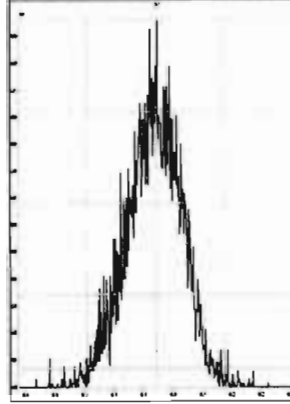
M 442.9728 R 11469



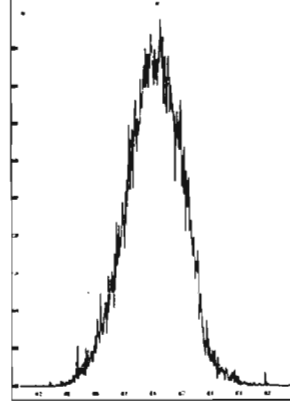
M 454.9728 R 10964



M 466.9728 R 11059



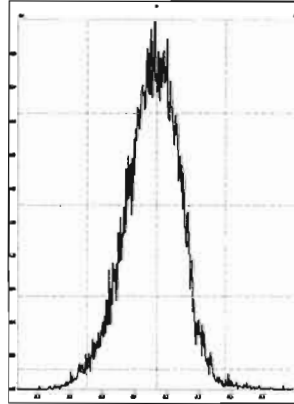
M 480.9696 R 10459



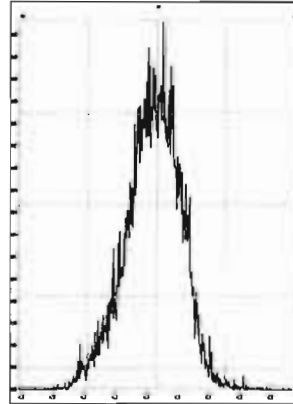
File: Experiment: OCDD_DB5_2.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Thursday, November 12, 2020 07:01:03 Pacific Standard Time

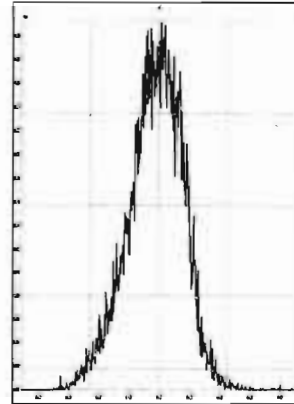
M 430.9728 R 11364



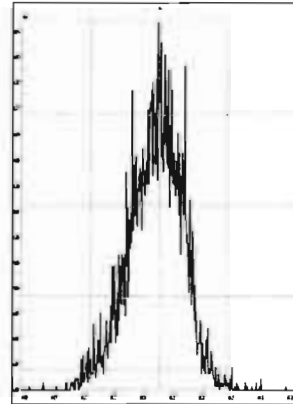
M 442.9728 R 11310



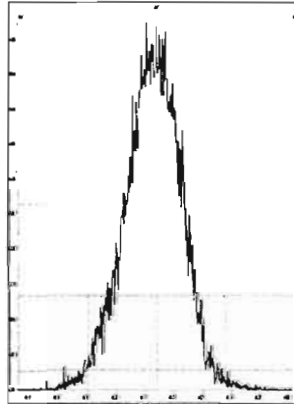
M 454.9728 R 10822



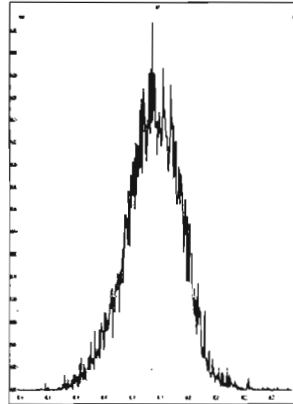
M 466.9728 R 10868



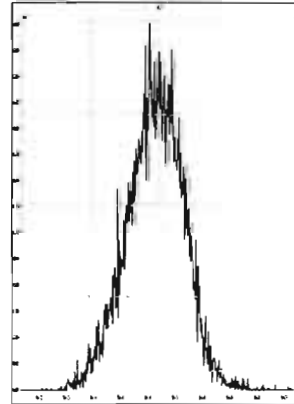
M 480.9696 R 10548



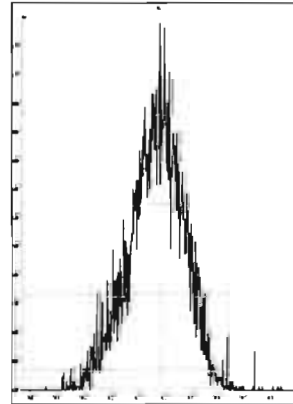
M 492.9696 R 11109



M 504.9696 R 10917



M 516.9697 R 11469



Dataset: Untitled

Last Altered: Friday, November 13, 2020 7:01:01 AM Pacific Standard Time

Printed: Friday, November 13, 2020 7:01:15 AM Pacific Standard Time

Method: U:\VG12.PRO\MethDB\CPSM.mdb 10 Nov 2020 10:04:22

Calibration: U:\VG12.PRO\CurveDB\ldbDIOXIN_1613vg12-10-20-20.cdb 20 Oct 2020 13:36:10

Name: 201112R1_1, Date: 12-Nov-2020, Time: 07:05:09, ID: ST201112R1_1 1613 CS3 20F1105, Description: 1613 CS3 20F1105

#	Name	RT
1	1,3,6,8-TCDD (First)	22.33
2	1,2,8,9-TCDD (Last)	27.04
3	1,2,4,7,9-PeCDD (First)	28.58
4	1,2,3,8,9-PeCDD (Last)	31.22
5	1,2,4,6,7,9-HxCDD (First)	32.53
6	1,2,3,7,8,9-HxCDD (Last)	34.56
7	1,2,3,4,6,7,9-HpCDD (First)	37.03
8	1,2,3,4,6,7,8-HpCDD (Last)	38.05
9	1,3,6,8-TCDF (First)	20.10
10	1,2,8,9-TCDF (Last)	27.35
11	1,3,4,6,8-PeCDF (First)	26.93
12	1,2,3,8,9-PeCDF (Last)	31.58
13	1,2,3,4,6,8-HxCDF (First)	31.99
14	1,2,3,7,8,9-HxCDF (Last)	35.07
15	1,2,3,4,6,7,8-HpCDF (First)	36.63
16	1,2,3,4,7,8,9-HpCDF (Last)	38.67

Dataset: Untitled

Last Altered: Friday, November 13, 2020 7:01:01 AM Pacific Standard Time

Printed: Friday, November 13, 2020 7:01:15 AM Pacific Standard Time

GRS 11/13/2020
chy 11/13/2020

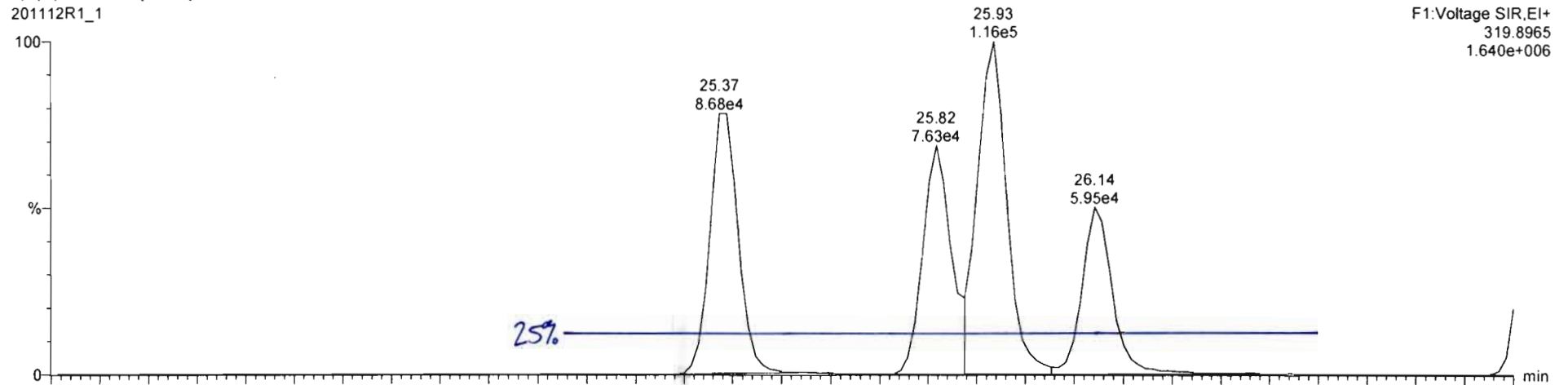
Method: U:\VG12.PRO\MethDB\CPSM.mdb 10 Nov 2020 10:04:22

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-10-20-20.cdb 20 Oct 2020 13:36:10

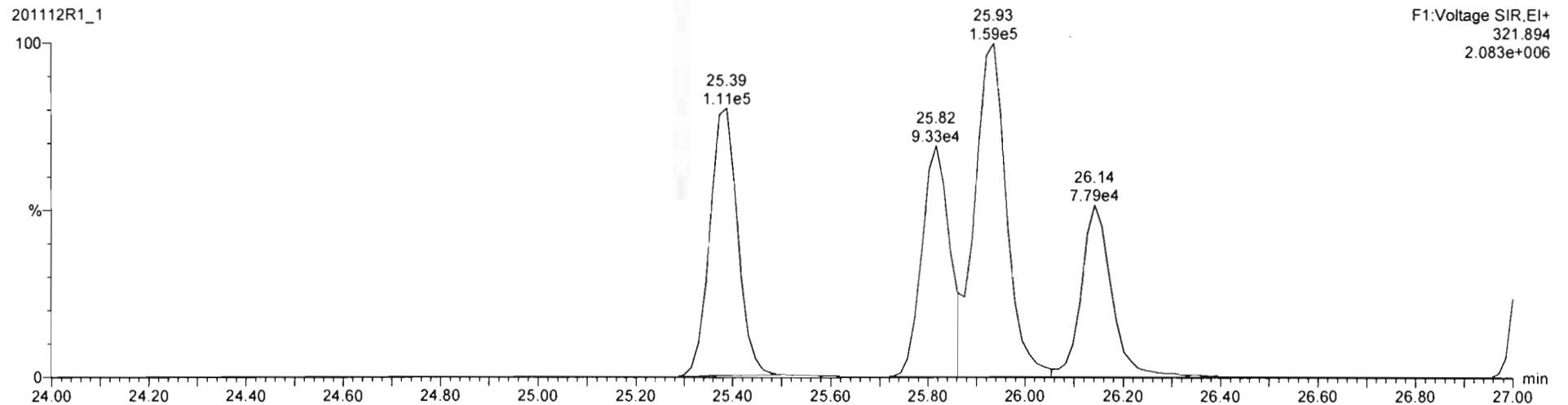
Name: 201112R1_1, Date: 12-Nov-2020, Time: 07:05:09, ID: ST201112R1_1 1613 CS3 20F1105, Description: 1613 CS3 20F1105

1,3,6,8-TCDD (First)

201112R1_1



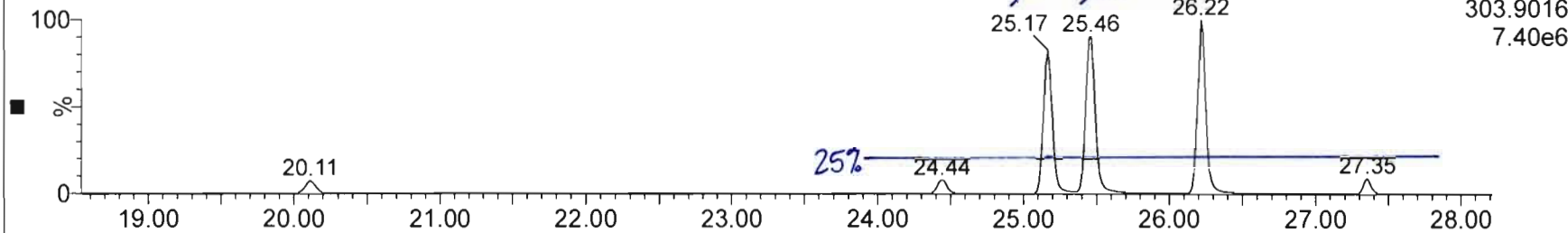
201112R1_1



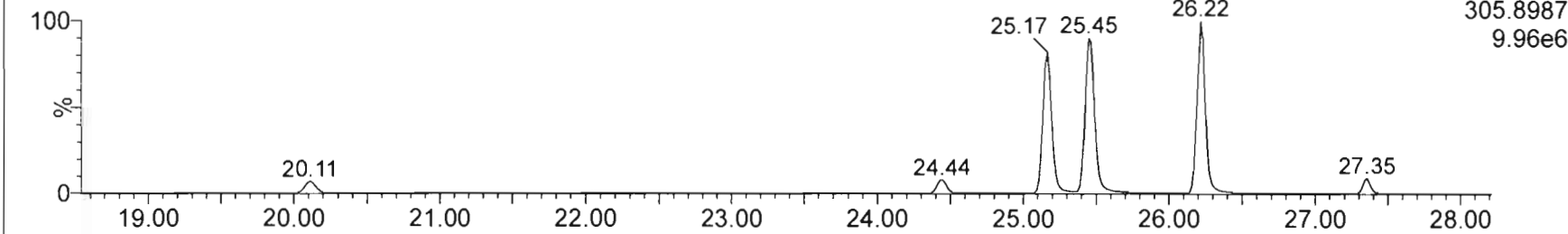
GRB 11/13/2020
dy 11/13/2020

TCDF CPSM QC

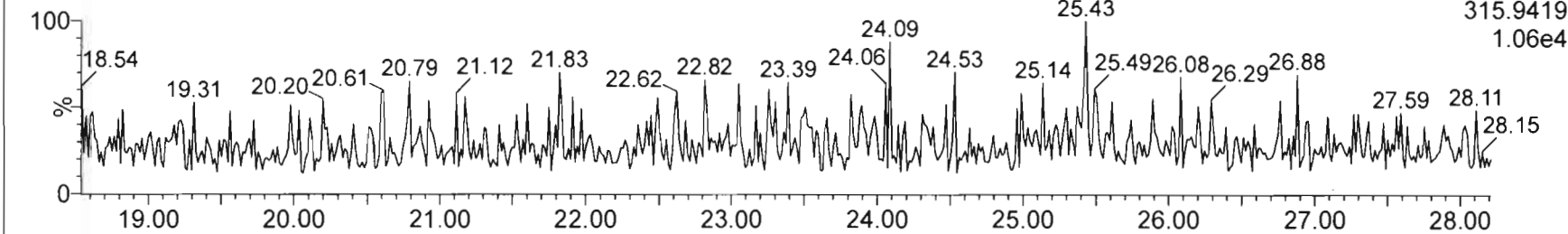
201112R1_2



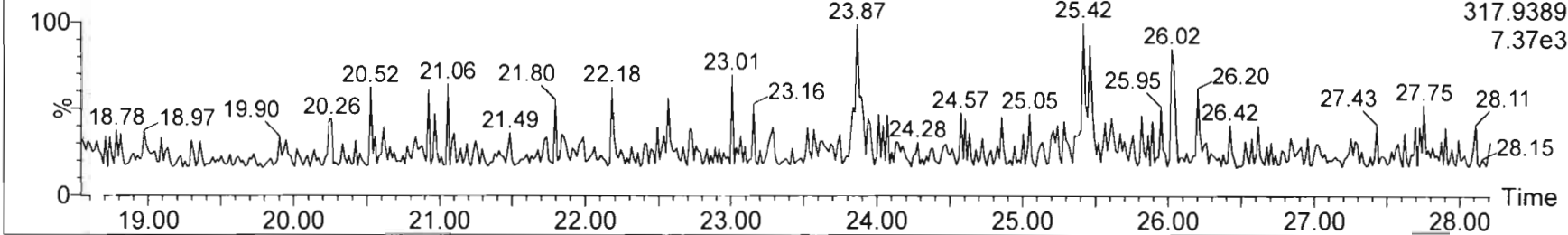
201112R1_2



201112R1_2



201112R1_2



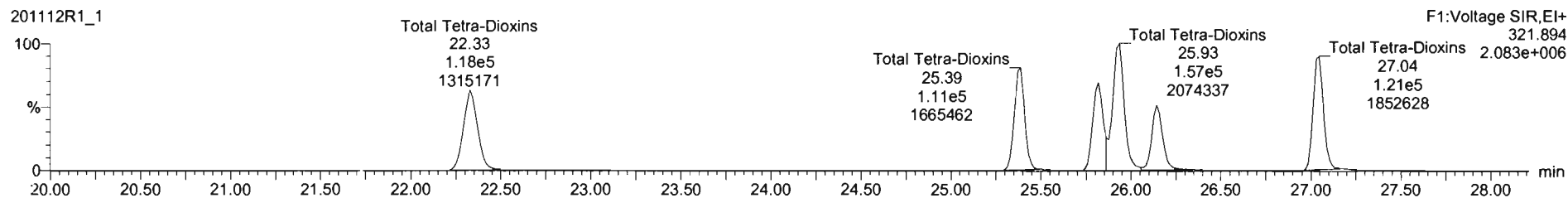
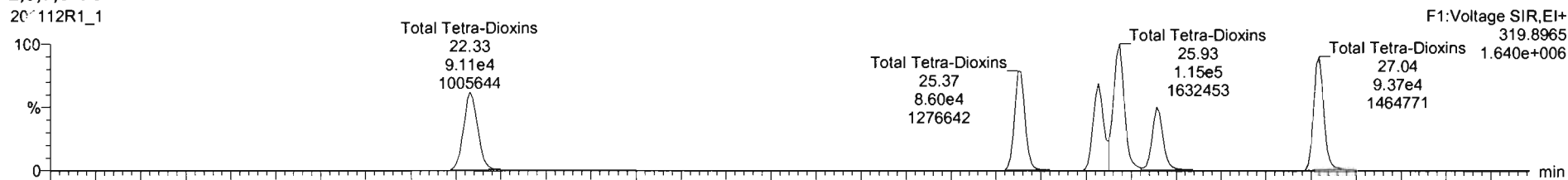
Dataset: Untitled

Last Altered: Friday, November 13, 2020 6:56:58 AM Pacific Standard Time
Printed: Friday, November 13, 2020 6:57:47 AM Pacific Standard Time

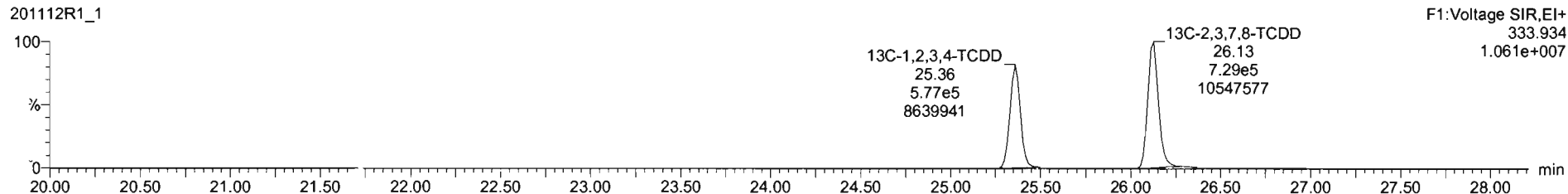
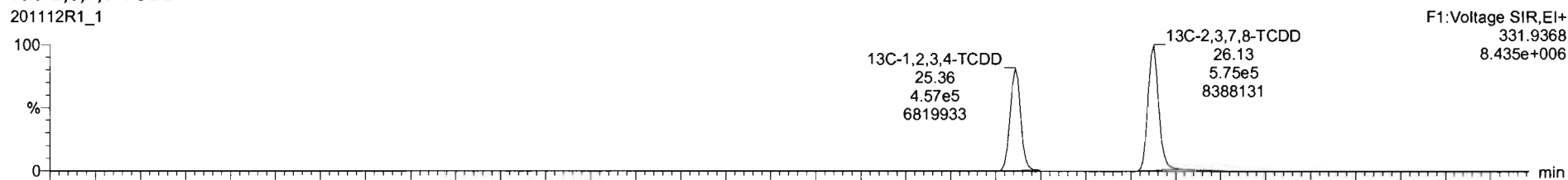
Method: U:\VG12.PRO\MethDB\1613rrt-11-11-20.mdb 12 Nov 2020 07:51:39
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-10-20-20.cdb 20 Oct 2020 13:36:10

Name: 201112R1_1, Date: 12-Nov-20:0, Time: 07:05:09, ID: ST201112R1_1 1613 CS3 20F1105, Description: 1613 CS3 20F1105

2,3,7,8-TCDD



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



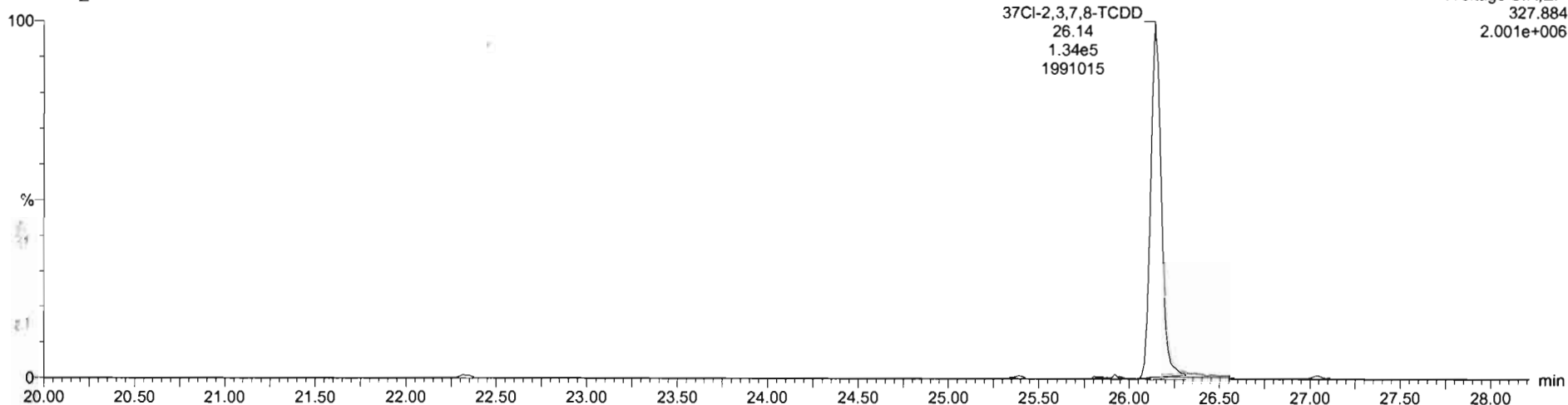
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Last Altered: Friday, November 13, 2020 6:56:58 AM Pacific Standard Time
Printed: Friday, November 13, 2020 6:57:47 AM Pacific Standard Time

Name: 201112R1_1, Date: 12-Nov-2020, Time: 07:05:09, ID: ST201112R1_1 1613 CS3 20F1105, Description: 1613 CS3 20F1105

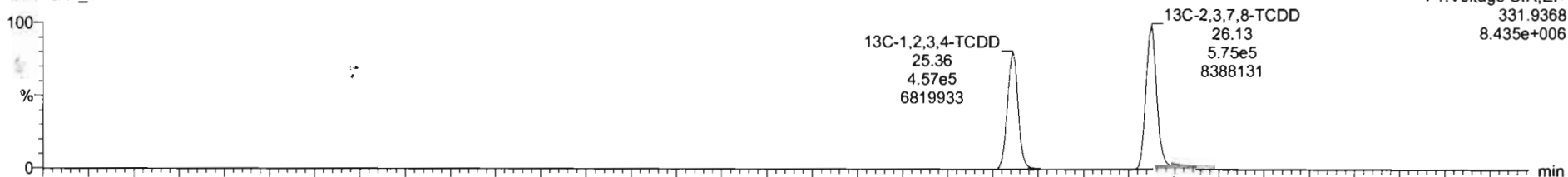
37Cl-2,3,7,8-TCDD

201112R1_1

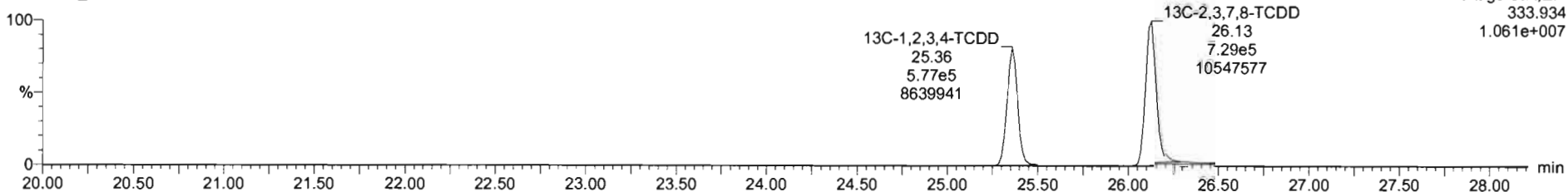


13C-1,2,3,4-TCDD

201112R1_1



201112R1_1

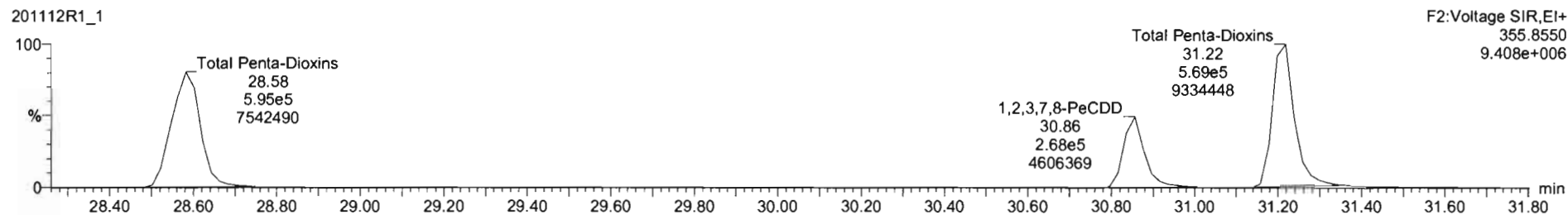
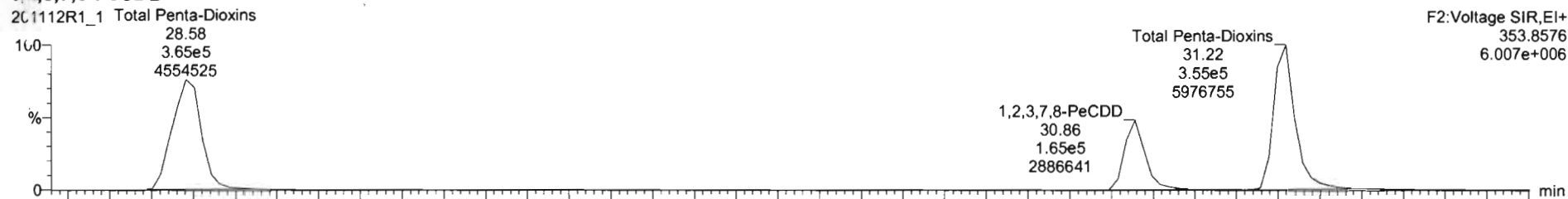


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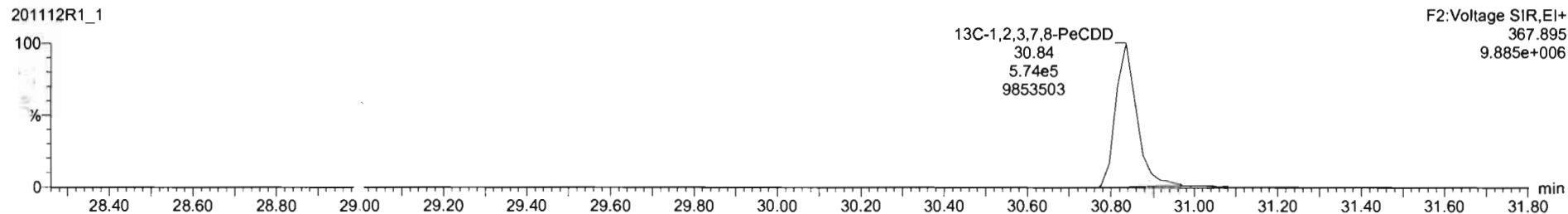
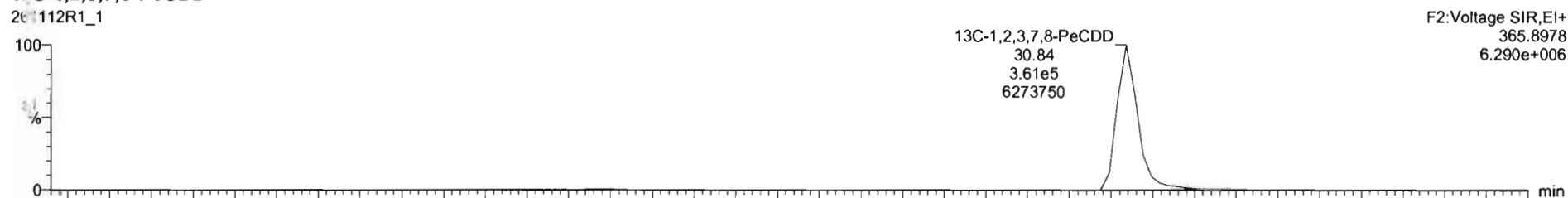
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Name: 201112R1_1, Date: 12-Nov-2020, Time: 07:05:09, ID: ST201112R1_1 1613 CS3 20F1105, Description: 1613 CS3 20F1105

1,2,3,7,8-PeCDD



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



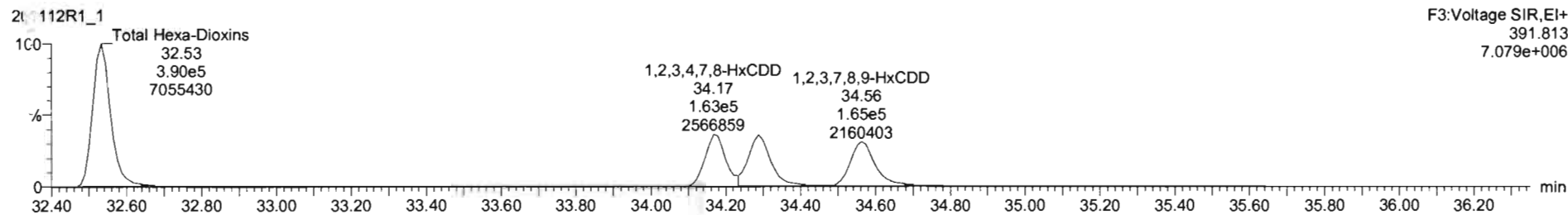
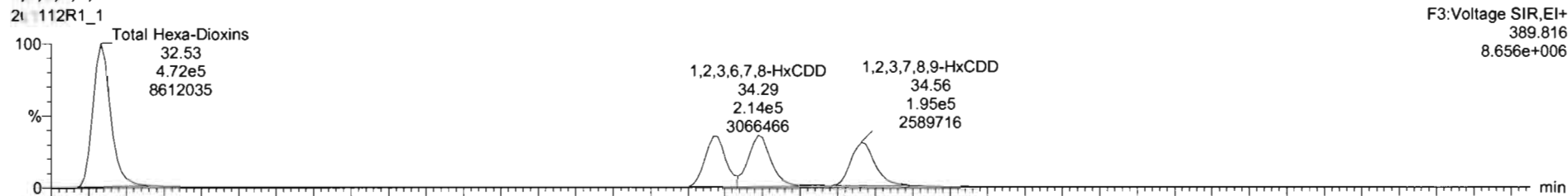
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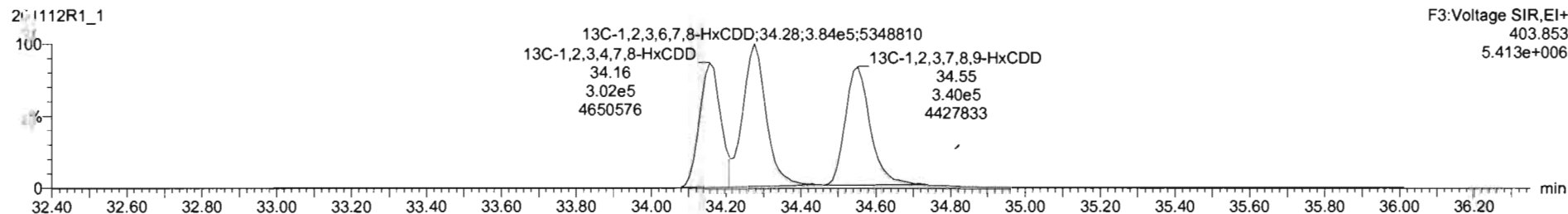
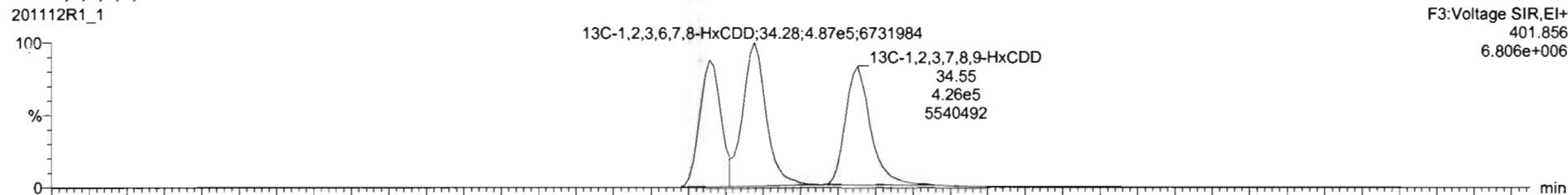
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1,2,3,4,7,8-HxCDD



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



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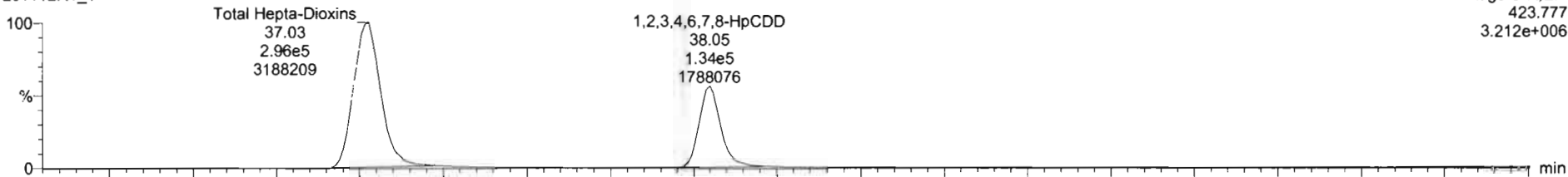
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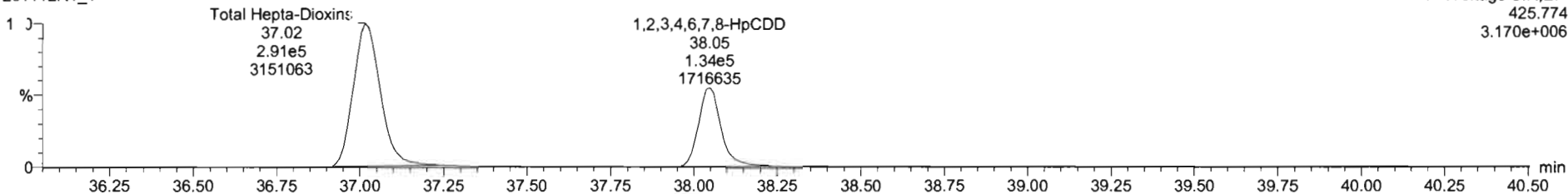
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1,2,3,4,6,7,8-HpCDD

201112R1_1

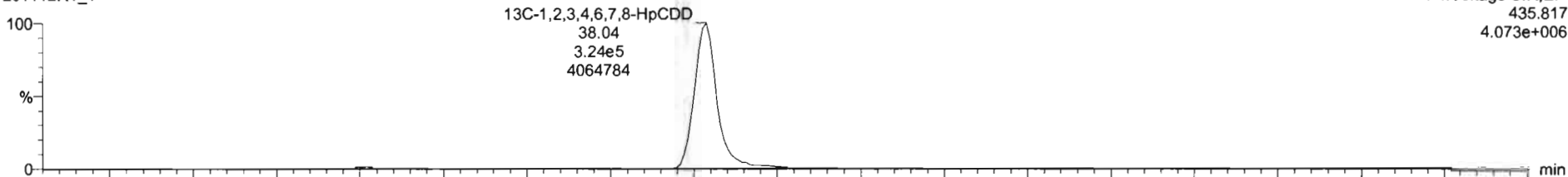


201112R1_1

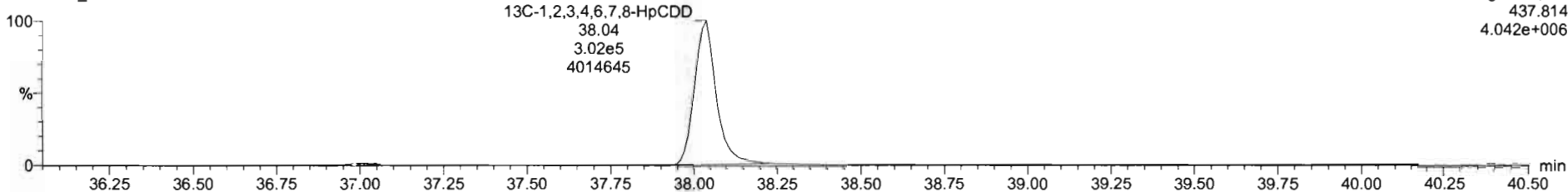


1. C-1,2,3,4,6,7,8-HpCDD

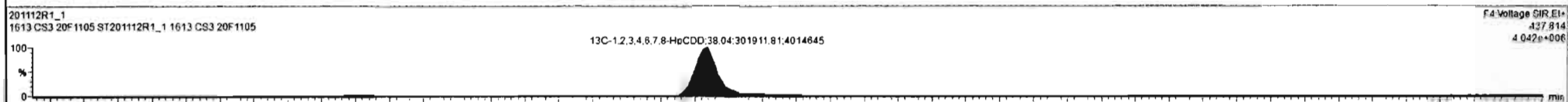
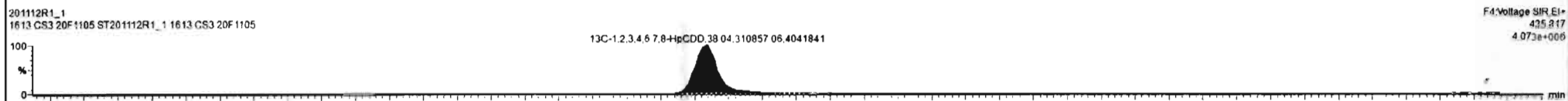
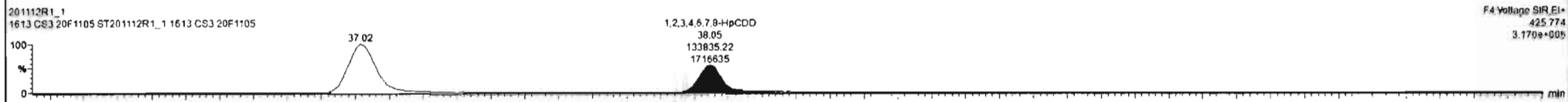
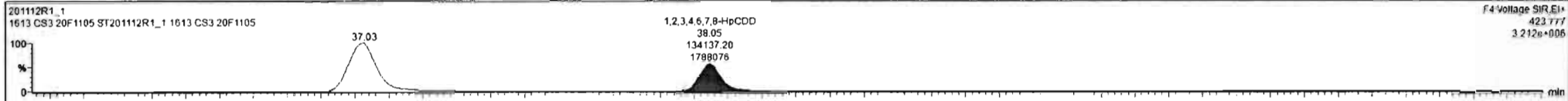
201112R1_1



201112R1_1



#	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	1.30e5	1.30e6	0.77	0.77	NO	0.9501	26.16	26.14	NO	1.001	1.001	10.5	105	NO
2	1,2,3,7,8-PeCDD	4.33e5	9.34e5	0.63	0.62	NO	0.8855	30.84	30.86	NO	1.000	1.001	52.3	105	NO
3	1,2,3,4,7,8-HxCDD	3.61e5	6.85e5	1.24	1.22	NO	1.0176	34.17	34.17	NO	1.000	1.000	51.7	103	NO
4	1,2,3,6,7,8-HxCDD	3.93e5	8.72e5	1.24	1.20	NO	0.9145	34.29	34.29	NO	1.000	1.000	49.3	98.6	NO
5	1,2,3,7,8,9-HxCDD	3.69e5	7.66e5	1.24	1.18	NO	0.9345	34.56	34.56	NO	1.000	1.000	50.2	100	NO
6	1,2,3,4,6,7,8-HpCDD	2.88e5	8.13e5	1.04	1.00	NO	0.8997	38.04	38.05	NO	1.000	1.000	50.3	101	NO
7	OCDD	4.51e5	1.02e6	0.89	0.87	NO	0.8717	40.98	40.98	NO	1.000	1.000	101	101	NO
8	2,3,7,8-TCDF	1.17e5	1.52e6	0.77	0.75	NO	0.8243	25.44	25.46	NO	1.000	1.001	9.35	93.5	NO
9	1,2,3,7,8-PeCDF	6.52e5	1.36e6	1.55	1.56	NO	0.9626	29.60	29.59	NO	1.000	1.000	49.8	99.6	NO
10	2,3,4,7,8-PeCDF	6.74e5	1.29e6	1.55	1.54	NO	1.0684	30.64	30.66	NO	1.000	1.001	49.1	98.2	NO
11	1,2,3,4,7,8-HxCDF	4.04e5	8.77e5	1.24	1.21	NO	0.9535	33.26	33.27	NO	1.000	1.000	48.4	98.7	NO
12	1,2,3,6,7,8-HxCDF	4.58e5	9.90e5	1.24	1.20	NO	1.0080	33.38	33.40	NO	1.000	1.001	48.9	97.8	NO
13	2,3,4,6,7,8-HxCDF	4.09e5	8.53e5	1.24	1.20	NO	0.8907	34.05	34.07	NO	1.000	1.001	48.4	96.7	NO
14	1,2,3,7,8,9-HxCDF	3.20e5	8.94e5	1.24	1.20	NO	0.9506	35.04	35.07	NO	1.000	1.001	48.5	97.1	NO
15	1,2,3,4,6,7,8-HpCDF	3.17e5	6.40e5	1.04	1.00	NO	0.9988	36.82	36.83	NO	1.000	1.000	49.8	99.3	NO
16	1,2,3,4,7,8,9-HpCDF	2.60e5	4.54e5	1.04	1.02	NO	1.1238	38.88	38.87	NO	1.000	1.000	51.0	102	NO
17	OCDF	4.74e5	1.11e6	0.89	0.88	NO	0.8682	41.28	41.28	NO	1.000	1.000	98.6	98.6	NO
18	13C-2,3,7,8-TCDD	1.30e6	1.03e6	0.77	0.79	NO	1.1089	26.12	26.13	NO	1.030	1.030	114	114	NO
19	13C-1,2,3,7,8-PeCDD	9.34e5	1.03e6	0.63	0.63	NO	0.8585	30.85	30.84	NO	1.216	1.216	105	105	NO
20	13C-1,2,3,4,7,8-HxCDD	8.65e5	9.21e5	1.24	1.27	NO	0.8997	34.16	34.16	NO	1.014	1.014	106	106	NO
21	13C-1,2,3,6,7,8-HxCDD	6.72e5	9.21e5	1.24	1.27	NO	0.8327	34.30	34.28	NO	1.018	1.017	114	114	NO



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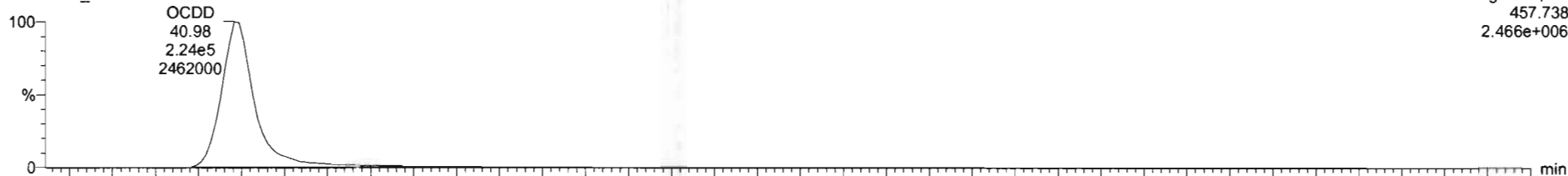
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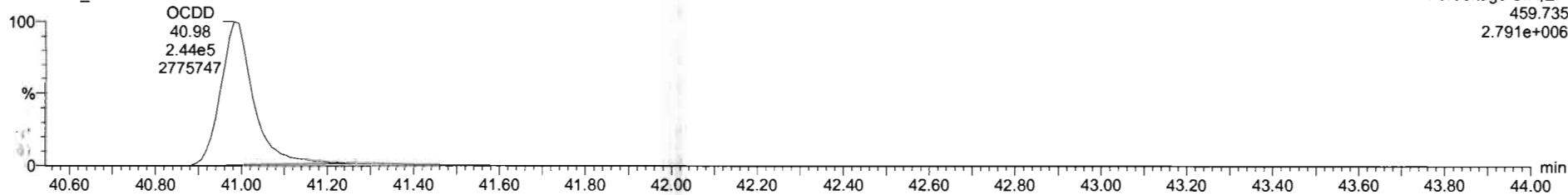
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OCDD

201112R1_1



201112R1_1

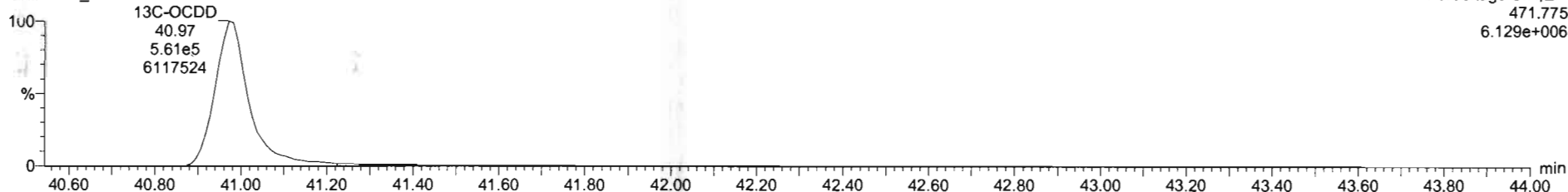


¹³C-OCDD

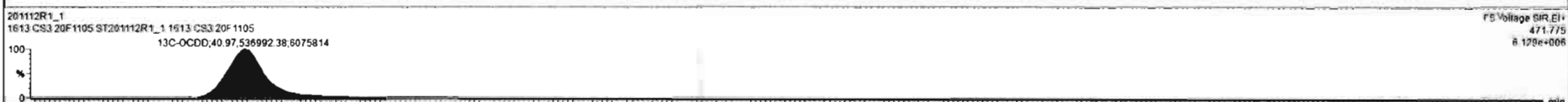
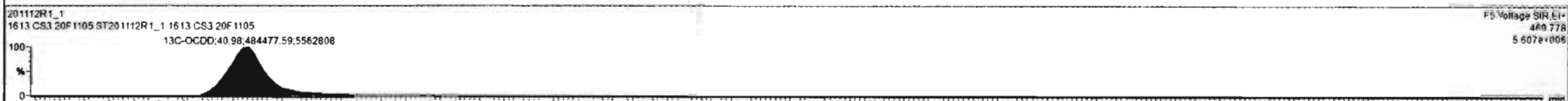
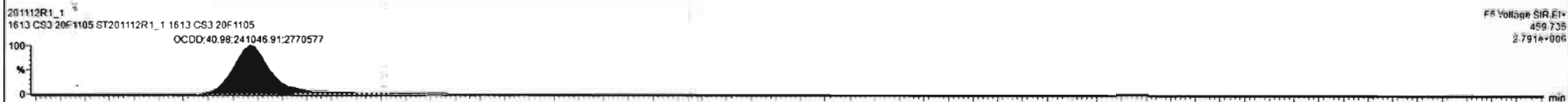
201112R1_1



201112R1_1



#	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	1.30e5	1.30e5	0.77	0.77	NO	0.9501	28.18	26.14	NO	1.001	1.001	10.5	105	NO
2	1,2,3,7,8-PeCDD	4.33e5	9.34e5	0.63	0.62	NO	0.8855	30.84	30.86	NO	1.000	1.001	52.3	105	NO
3	1,2,3,4,7,8-HxCDD	3.61e5	6.85e5	1.24	1.22	NO	1.0178	34.17	34.17	NO	1.000	1.000	51.7	103	NO
4	1,2,3,6,7,8-HxCDD	3.93e5	6.72e5	1.24	1.20	NO	0.9145	34.29	34.29	NO	1.000	1.000	49.3	96.6	NO
5	1,2,3,7,8,9-HxCDD	3.60e5	7.66e5	1.24	1.18	NO	0.9345	34.55	34.56	NO	1.000	1.000	50.2	100	NO
6	1,2,3,4,6,7,8-HpCDD	2.68e5	6.13e5	1.04	1.00	NO	0.8697	38.04	38.05	NO	1.000	1.000	50.3	101	NO
7	OCDD	4.51e5	1.02e6	0.89	0.87	NO	0.8717	40.96	40.98	NO	1.000	1.000	101	101	NO
8	2,3,7,8-TCDF	1.17e5	1.52e6	0.77	0.75	NO	0.8243	25.44	25.46	NO	1.000	1.001	9.35	93.5	NO
9	1,2,3,7,8-PeCDF	6.52e5	1.36e6	1.55	1.56	NO	0.9626	29.60	29.59	NO	1.000	1.000	49.8	99.6	NO
10	1,2,3,4,7,8-PeCDF	6.74e5	1.29e6	1.55	1.54	NO	1.0684	30.64	30.66	NO	1.000	1.001	49.1	98.2	NO
11	1,2,3,4,7,8-HxCDF	4.04e5	8.77e5	1.24	1.21	NO	0.9535	33.26	33.27	NO	1.000	1.000	48.4	96.7	NO
12	1,2,3,6,7,8-HxCDF	4.58e5	9.30e5	1.24	1.20	NO	1.0080	33.38	33.40	NO	1.000	1.001	48.9	97.8	NO
13	2,3,4,6,7,8-HxCDF	4.09e5	8.53e5	1.24	1.20	NO	0.9907	34.05	34.07	NO	1.000	1.001	48.4	96.7	NO
14	1,2,3,7,8,9-HxCDF	3.20e5	6.94e5	1.24	1.20	NO	0.9508	35.04	35.07	NO	1.000	1.001	48.5	97.1	NO
15	1,2,3,4,6,7,8-HpCDF	3.17e5	6.40e5	1.04	1.00	NO	0.9986	36.62	36.63	NO	1.000	1.000	49.6	99.3	NO
16	1,2,3,4,7,8,9-HpCDF	2.60e5	4.54e5	1.04	1.02	NO	1.1238	38.66	38.67	NO	1.000	1.000	51.0	102	NO
17	OCDF	4.74e5	1.11e6	0.89	0.88	NO	0.8682	41.28	41.28	NO	1.000	1.000	96.6	96.6	NO
18	13C-2,3,7,8-TCDD	1.30e6	1.03e6	0.77	0.79	NO	1.1089	28.12	26.13	NO	1.020	1.030	114	114	NO
19	13C-1,2,3,7,8-PeCDD	9.34e5	1.03e6	0.63	0.63	NO	0.8585	30.85	30.84	NO	1.216	1.216	105	105	NO
20	13C-1,2,3,4,7,8-HxCDD	6.85e5	9.21e5	1.24	1.27	NO	0.8997	34.18	34.16	NO	1.014	1.014	106	106	NO
21	13C-1,2,3,6,7,8-HxCDD	6.72e5	9.21e5	1.24	1.27	NO	0.8327	34.30	34.28	NO	1.018	1.017	114	114	NO



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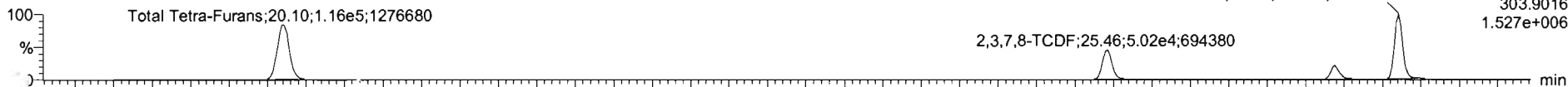
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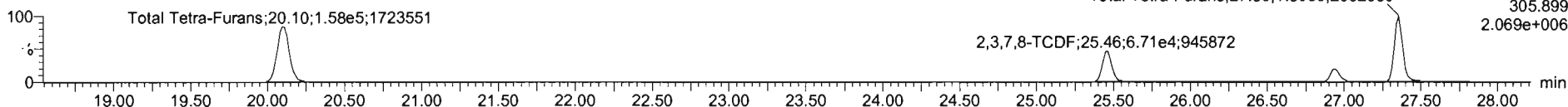
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2,3,7,8-TCDF

201112R1_1

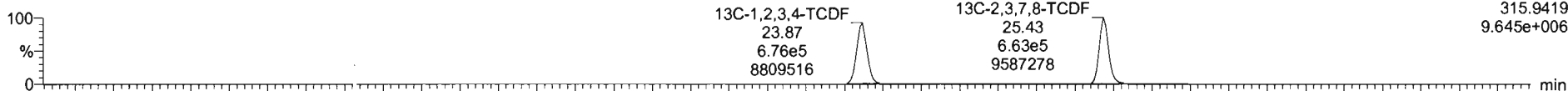


201112R1_1

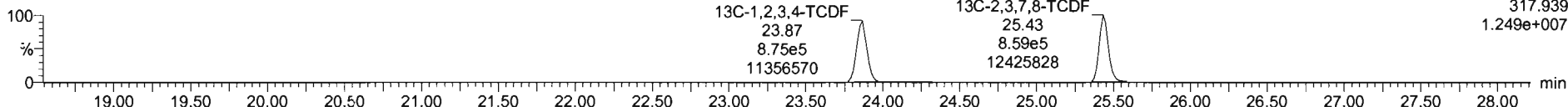


13C-2,3,7,8-TCDF

201112R1_1

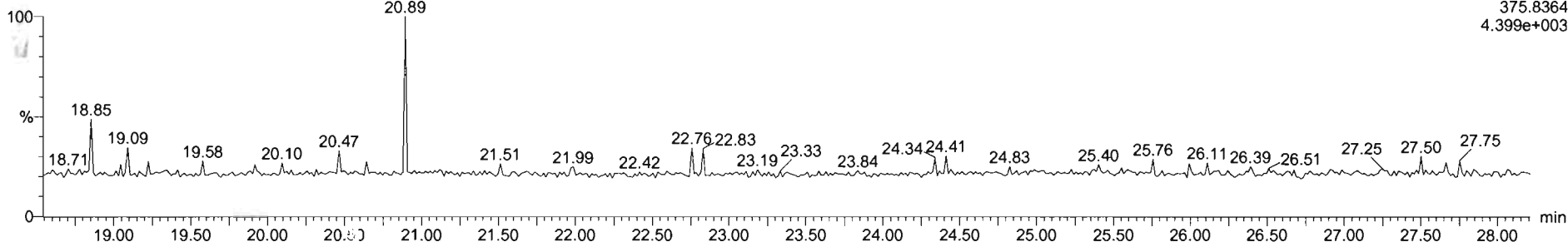


201112R1_1



D, E1

201112R1_1



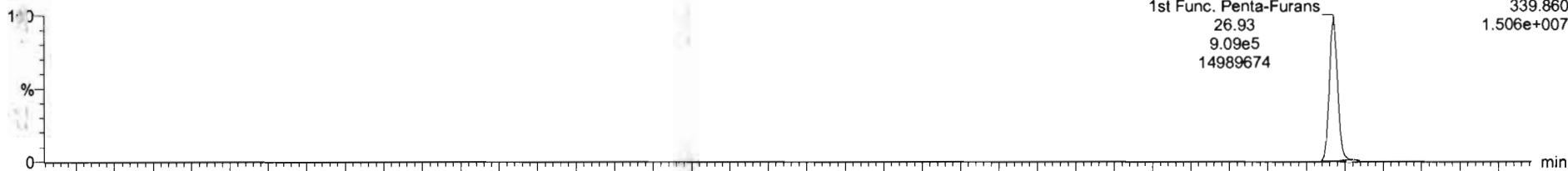
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Printed: Friday, November 13, 2020 6:57:47 AM Pacific Standard Time

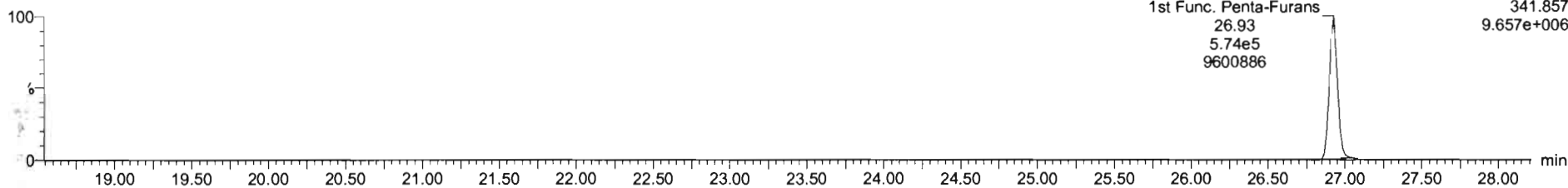
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1st Func. Penta-Furans

201112R1_1

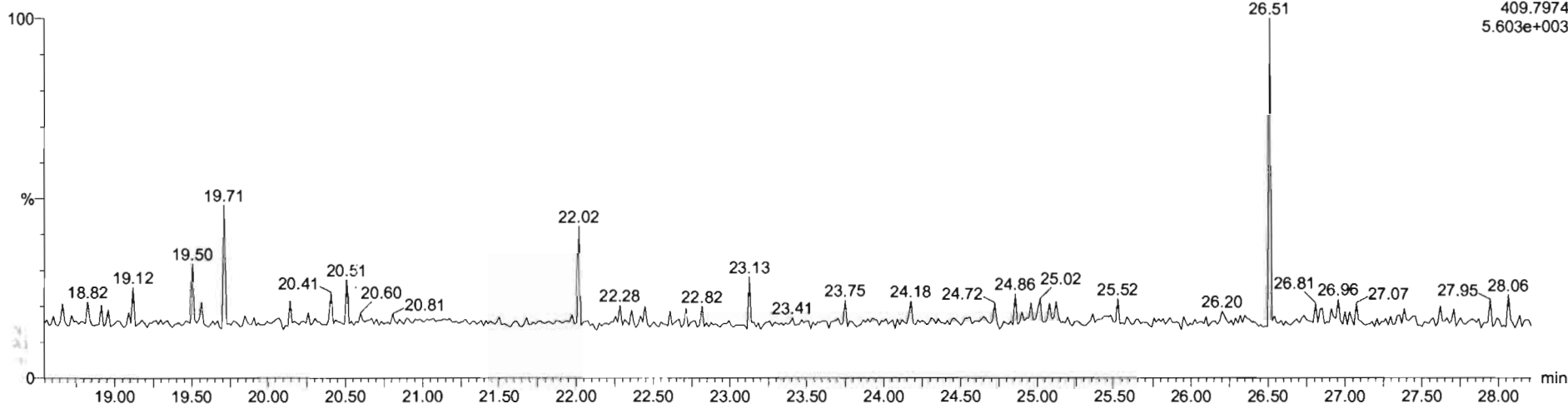


201112R1_1



DPE6

201112R1_1



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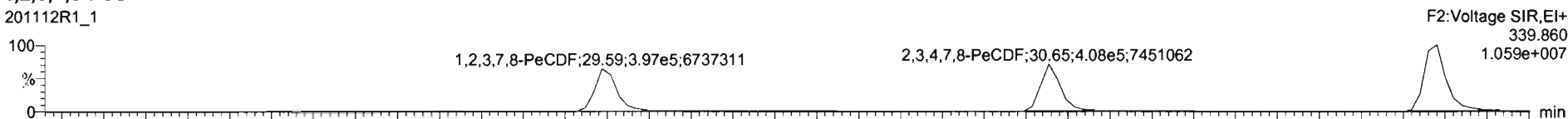
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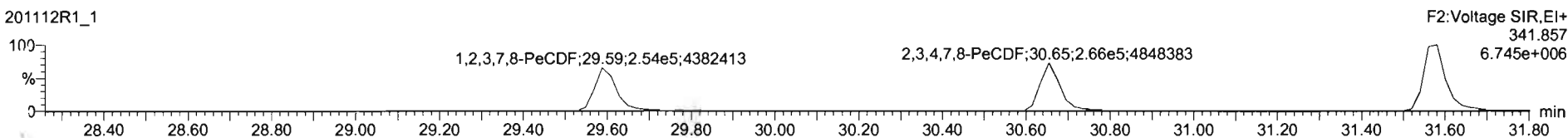
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1,2,3,7,8-PeCDF

201112R1_1

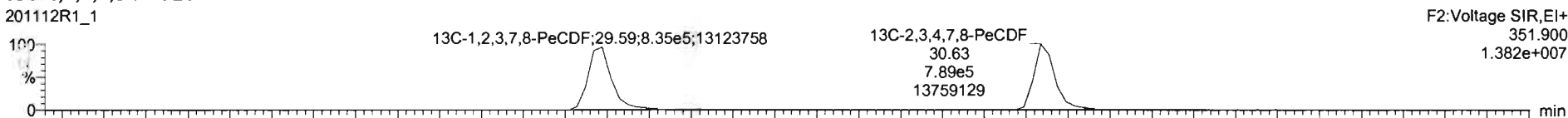


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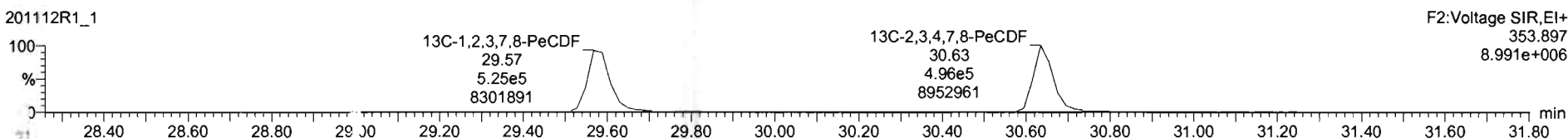


13C-1,2,3,7,8-PeCDF

201112R1_1

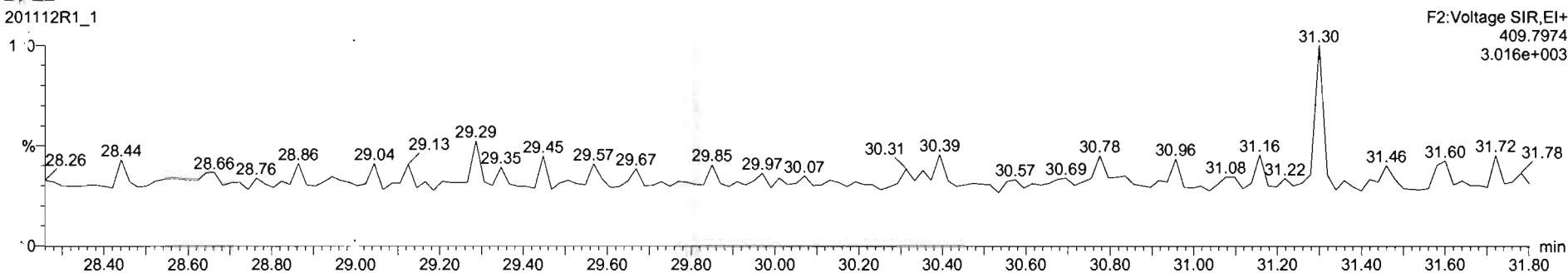


201112R1_1



DPE2

201112R1_1



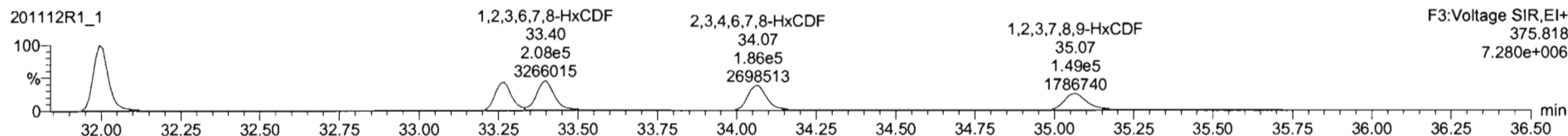
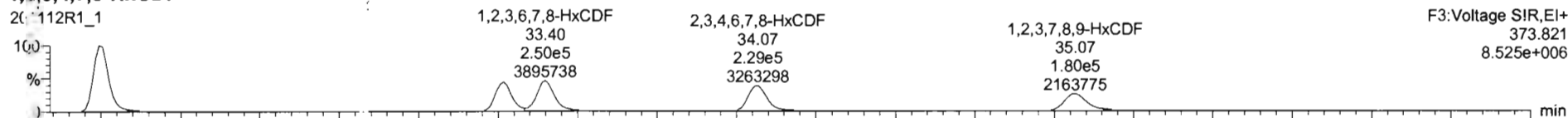
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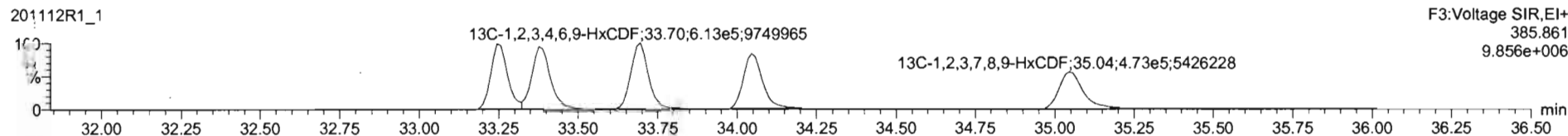
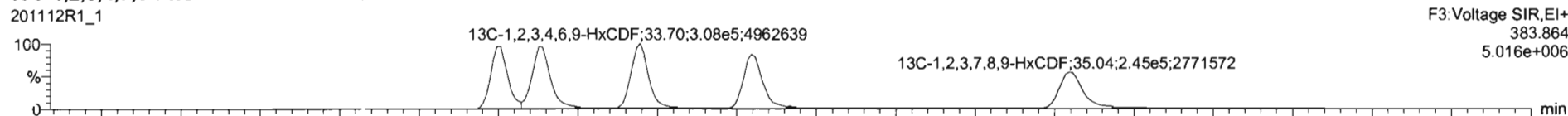
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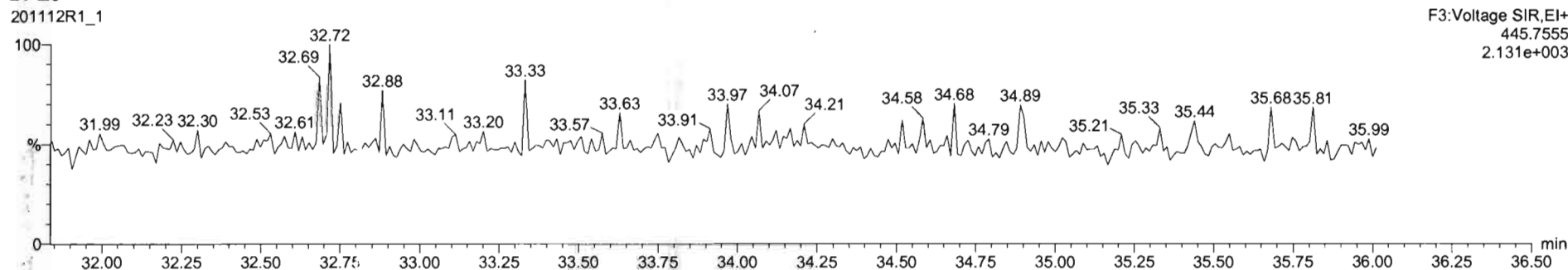
1,2,3,4,7,8-HxCDF



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



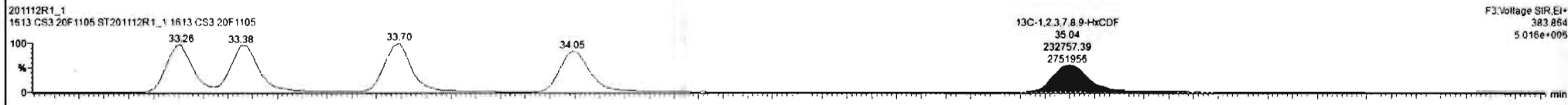
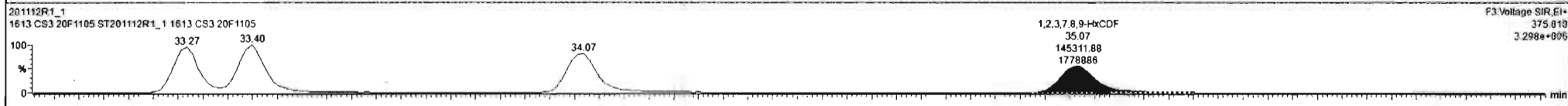
DPE3



#	Name	Resp	IS Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	1,2,3,7,8-TCDD	1.30e5	1.30e6	0.77	0.77	NO	0.9501	26.16	26.14	NO	1.001	1.001	10.5	105	NO
2	1,2,3,7,8-PeCDD	4.33e5	9.34e5	0.63	0.62	NO	0.8855	30.84	30.86	NO	1.000	1.001	52.3	105	NO
3	1,2,3,4,7,8-HxCDD	3.61e5	8.85e5	1.24	1.22	NO	1.0176	34.17	34.17	NO	1.000	1.000	51.7	103	NO
4	1,2,3,6,7,8-HxCDD	3.93e5	8.72e5	1.24	1.20	NO	0.9145	34.29	34.29	NO	1.000	1.000	49.3	98.8	NO
5	1,2,3,7,8,9-HxCDD	3.60e5	7.66e5	1.24	1.18	NO	0.9345	34.56	34.56	NO	1.000	1.000	50.2	100	NO
6	1,2,3,4,6,7,8-HpCDD	2.68e5	6.13e5	1.04	1.00	NO	0.8897	38.04	38.05	NO	1.000	1.000	50.3	101	NO
7	OCDD	4.51e5	1.02e6	0.89	0.87	NO	0.8717	40.88	40.98	NO	1.000	1.000	101	101	NO
8	2,3,7,8-TCDF	1.17e5	1.52e6	0.77	0.75	NO	0.8243	25.44	25.46	NO	1.000	1.001	9.35	93.5	NO
9	1,2,3,7,8-PeCDF	6.52e5	1.36e6	1.55	1.56	NO	0.9626	29.60	29.59	NO	1.000	1.000	49.8	99.6	NO
10	1,2,3,4,7,8-PeCDF	6.74e5	1.29e6	1.55	1.54	NO	1.0684	30.64	30.66	NO	1.000	1.001	49.1	98.2	NO
11	1,2,3,4,7,8-HxCDF	4.04e5	8.77e5	1.24	1.21	NO	0.9535	33.26	33.27	NO	1.000	1.000	48.4	96.7	NO
12	1,2,3,6,7,8-HxCDF	4.58e5	9.30e5	1.24	1.20	NO	1.0080	33.38	33.40	NO	1.000	1.001	48.9	97.8	NO
13	1,2,3,4,6,7,8-HpCDF	4.09e5	8.53e5	1.24	1.20	NO	0.9807	34.05	34.07	NO	1.000	1.001	40.4	95.7	NO
14	1,2,3,7,8,9-HxCDF	3.20e5	6.94e5	1.24	1.20	NO	0.9506	35.04	35.07	NO	1.000	1.001	48.5	97.1	NO
15	1,2,3,4,6,7,8-HpCDF	3.17e5	6.40e5	1.04	1.00	NO	0.9986	36.62	36.63	NO	1.000	1.000	49.6	99.3	NO
16	1,2,3,4,7,8,9-HpCDF	2.60e5	4.54e5	1.04	1.02	NO	1.1238	36.66	36.67	NO	1.000	1.000	51.0	102	NO
17	OCDF	4.74e5	1.11e6	0.89	0.88	NO	0.8682	41.28	41.28	NO	1.000	1.000	96.6	96.6	NO
18	13C-2,3,7,8-TCDD	1.30e6	1.03e6	0.77	0.79	NO	1.1089	26.12	26.13	HO	1.030	1.030	114	114	NO
19	13C-1,2,3,7,8-PeCDD	9.34e5	1.03e6	0.63	0.63	NO	0.8585	30.85	30.84	HO	1.216	1.216	105	105	NO
20	13C-1,2,3,4,7,8-HxCDD	8.85e5	9.21e5	1.24	1.27	NO	0.8997	34.18	34.15	HO	1.014	1.014	106	106	NO
21	13C-1,2,3,6,7,8-HxCDD	8.72e5	9.21e5	1.24	1.27	NO	0.8327	34.30	34.28	HO	1.015	1.017	114	114	NO



#	Name	Resp	IS Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	1,2,3,7,8-TCDD	1.30e5	1.30e6	0.77	0.77	NO	0.9501	26.18	26.14	NO	1.001	1.001	10.5	105	NO
2	1,2,3,7,8-PeCDD	4.33e5	9.34e5	0.63	0.62	NO	0.8855	30.84	30.86	NO	1.000	1.001	52.3	105	NO
3	1,2,3,4,7,8-HxCDD	3.61e5	6.85e5	1.24	1.22	NO	1.0176	34.17	34.17	NO	1.000	1.000	51.7	103	NO
4	1,2,3,6,7,8-HxCDD	3.93e5	8.72e5	1.24	1.20	NO	0.9145	34.29	34.29	NO	1.000	1.000	49.3	98.6	NO
5	1,2,3,7,8,9-HxCDD	3.80e5	7.86e5	1.24	1.18	NO	0.9345	34.56	34.56	NO	1.000	1.000	50.2	100	NO
6	1,2,3,4,6,7,8-HpCDD	2.88e5	6.13e5	1.04	1.00	NO	0.8987	38.04	38.05	NO	1.000	1.000	50.3	101	NO
7	OCDD	4.51e5	1.02e6	0.89	0.87	NO	0.8717	40.98	40.98	NO	1.000	1.000	101	101	NO
8	2,3,7,8-TCDF	1.17e5	1.52e6	0.77	0.75	NO	0.8243	25.44	25.46	NO	1.000	1.001	9.35	93.5	NO
9	1,2,3,7,8-PeCDF	6.52e5	1.36e6	1.55	1.56	NO	0.9626	29.60	29.59	NO	1.000	1.000	49.8	99.6	NO
10	2,3,4,7,8-PeCDF	6.74e5	1.29e6	1.55	1.54	NO	1.0984	30.84	30.66	NO	1.000	1.001	49.1	98.2	NO
11	1,2,3,4,7,8-HxCDF	4.04e5	8.77e5	1.24	1.21	NO	0.9535	33.26	33.27	NO	1.000	1.000	48.4	96.7	NO
12	1,2,3,6,7,8-HxCDF	4.58e5	9.30e5	1.24	1.20	NO	1.0080	33.38	33.40	NO	1.000	1.001	48.9	97.8	NO
13	2,3,4,6,7,8-HxCDF	4.09e5	8.53e5	1.24	1.20	NO	0.9907	34.05	34.07	NO	1.000	1.001	48.4	96.7	NO
14	1,2,3,7,8,9-HxCDF	3.20e5	8.94e5	1.24	1.20	NO	0.9506	33.84	33.87	NO	1.000	1.001	48.5	97.1	NO
15	1,2,3,4,6,7,8-HpCDF	3.17e5	6.40e5	1.04	1.00	NO	0.9906	36.82	36.83	NO	1.000	1.000	49.6	99.3	NO
16	1,2,3,4,7,8,9-HpCDF	2.60e5	4.54e5	1.04	1.02	NO	1.1238	38.68	38.67	NO	1.000	1.000	51.0	102	NO
17	OCDF	4.74e5	1.11e6	0.89	0.88	NO	0.8682	41.28	41.28	NO	1.000	1.000	98.6	98.6	NO
18	13C-2,3,7,8-TCDD	1.30e6	1.03e6	0.77	0.79	NO	1.1089	28.12	28.13	NO	1.030	1.030	114	114	NO
19	13C-1,2,3,7,8-PeCDD	9.34e5	1.03e6	0.63	0.63	NO	0.8585	30.85	30.84	NO	1.216	1.216	105	105	NO
20	13C-1,2,3,4,7,8-HxCDD	8.85e5	9.21e5	1.24	1.27	NO	0.6997	34.18	34.16	NO	1.014	1.014	106	108	NO
21	13C-1,2,3,6,7,8-HxCDD	8.72e5	9.21e5	1.24	1.27	NO	0.8327	34.30	34.26	NO	1.018	1.017	114	114	NO

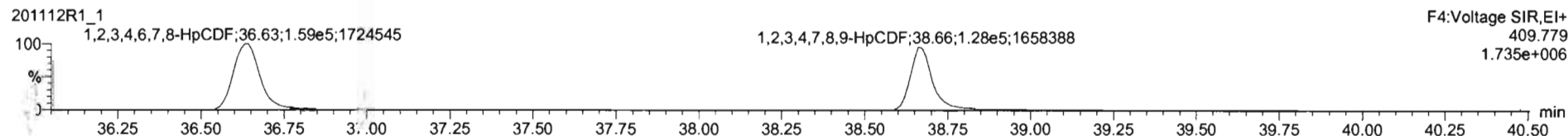
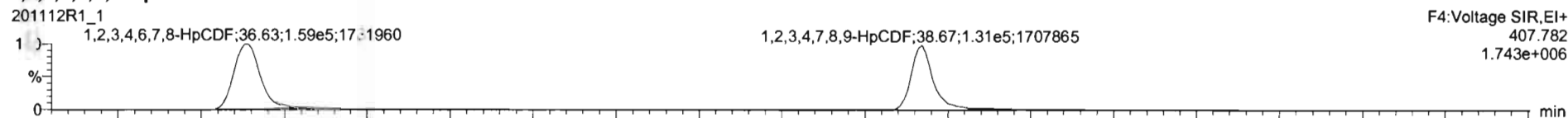


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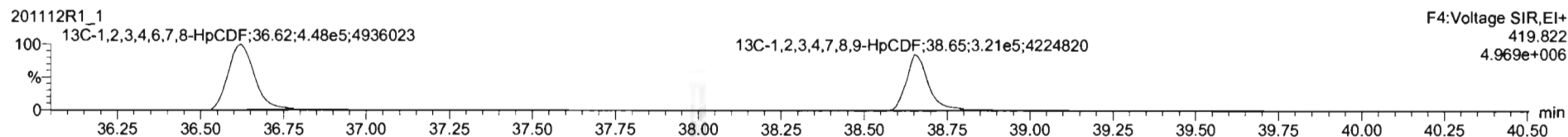
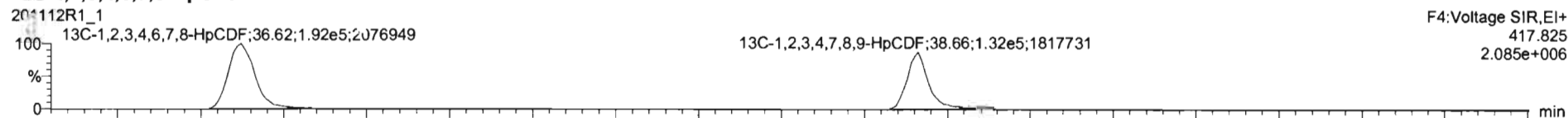
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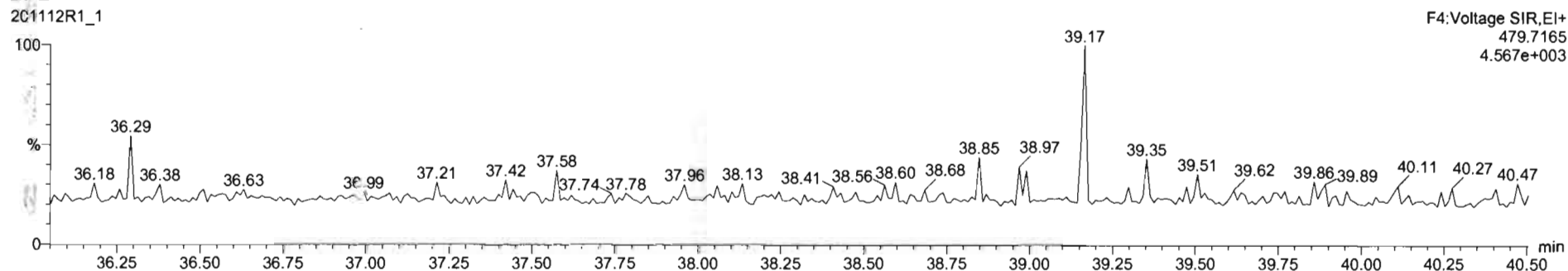
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13C-1,2,3,4,6,7,8-HpCDF



DPE4



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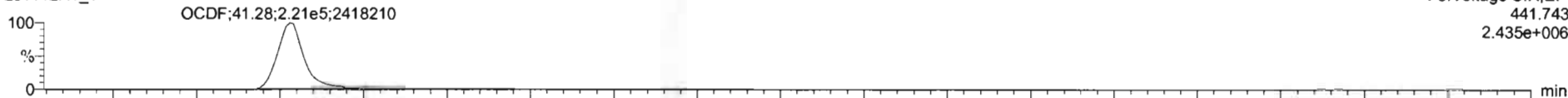
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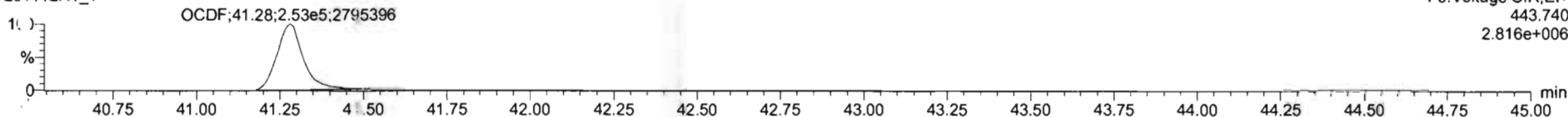
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OCDF

201112R1_1

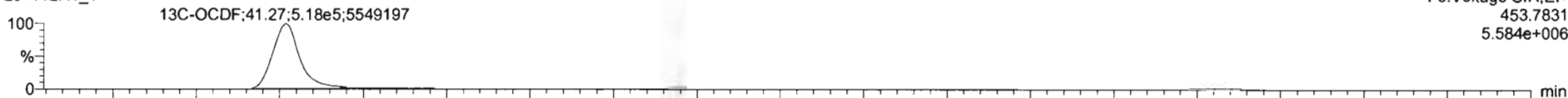


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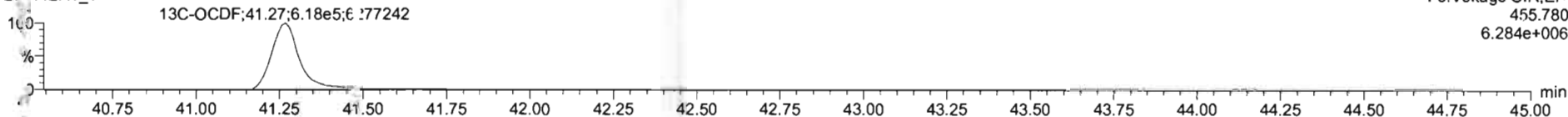


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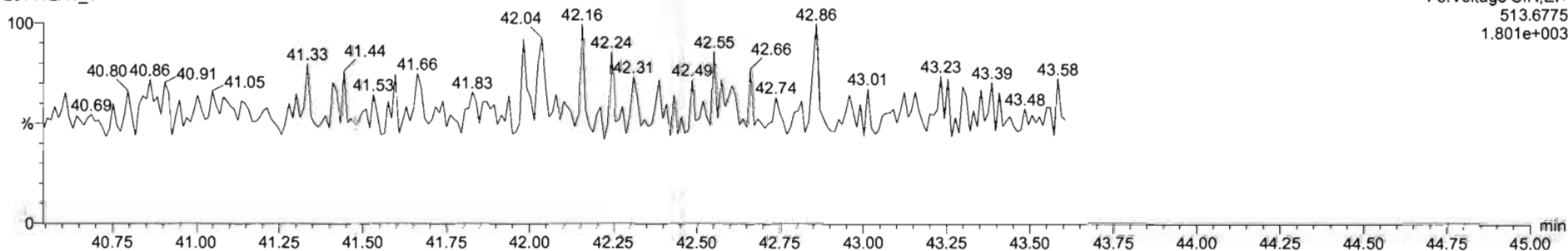


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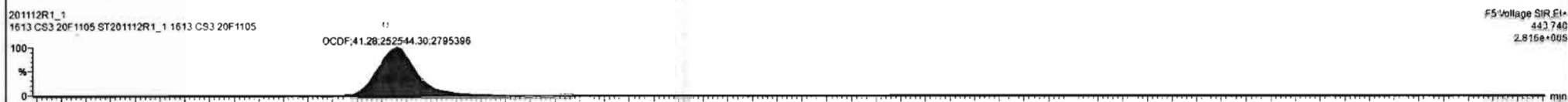


DPE5

201112R1_1



#	Name	Resp	IS Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc.	%Rec	STD out
1	1,2,3,7,8-TCDD	1.30e5	1.30e5	0.77	0.77	NO	0.9501	28.18	28.14	NO	1.001	1.001	10.6	105	NO
2	1,2,3,7,8-PeCDD	4.33e5	9.34e5	0.63	0.62	NO	0.8855	30.84	30.86	NO	1.000	1.001	52.3	105	NO
3	1,2,3,4,7,8-HxCDD	3.61e5	6.85e5	1.24	1.22	NO	1.0178	34.17	34.17	NO	1.000	1.000	51.7	103	NO
4	1,2,3,6,7,8-HxCDD	3.93e5	8.72e5	1.24	1.20	NO	0.9145	34.29	34.29	NO	1.000	1.000	49.3	98.6	NO
5	1,2,3,7,8,9-HxCDD	3.60e5	7.66e5	1.24	1.18	NO	0.9345	34.56	34.56	NO	1.000	1.000	50.2	100	NO
6	1,2,3,4,6,7,8-HpCDD	2.68e5	6.13e5	1.04	1.00	NO	0.8897	38.04	38.05	NO	1.000	1.000	50.3	101	NO
7	OCDF	4.51e5	1.02e6	0.89	0.87	NO	0.8717	40.98	40.98	NO	1.000	1.000	101	101	NO
8	2,3,7,8-TCDF	1.17e5	1.52e6	0.77	0.75	NO	0.8243	25.44	25.46	NO	1.000	1.001	9.35	93.5	NO
9	1,2,3,7,8-PeCDF	6.52e5	1.36e6	1.55	1.56	NO	0.9626	29.60	29.59	NO	1.000	1.000	49.8	99.8	NO
10	2,3,4,7,8-PeCDF	6.74e5	1.29e6	1.55	1.54	NO	1.0684	30.64	30.66	NO	1.000	1.001	49.1	98.2	NO
11	1,2,3,4,7,8-HxCDF	4.04e5	8.77e5	1.24	1.21	NO	0.9535	33.28	33.27	NO	1.000	1.000	48.4	96.7	NO
12	1,2,3,6,7,8-HxCDF	4.58e5	9.30e5	1.24	1.20	NO	1.0080	33.38	33.40	NO	1.000	1.001	48.9	97.8	NO
13	2,3,4,6,7,8-HxCDF	4.09e5	8.53e5	1.24	1.20	NO	0.9907	34.05	34.07	NO	1.000	1.001	48.4	96.7	NO
14	1,2,3,7,8,9-HxCDF	3.20e5	6.94e5	1.24	1.20	NO	0.9506	35.04	35.07	NO	1.000	1.001	48.5	97.1	NO
15	1,2,3,4,6,7,8-HpCDF	3.17e5	6.40e5	1.04	1.00	NO	0.9908	36.62	36.63	NO	1.000	1.000	49.6	99.3	NO
16	1,2,3,4,7,8,9-HpCDF	2.60e5	4.54e5	1.04	1.02	NO	1.1238	38.66	38.67	NO	1.000	1.000	51.0	102	NO
17	OCDF	4.74e5	1.11e6	0.89	0.88	NO	0.8682	41.29	41.28	NO	1.000	1.000	98.6	98.6	NO
18	13C-2,3,7,8-TCDD	1.30e6	1.03e6	0.77	0.79	NO	1.1089	26.12	26.13	NO	1.030	1.030	114	114	NO
19	13C-1,2,3,7,8-PeCDD	9.34e5	1.03e6	0.63	0.63	NO	0.8585	30.85	30.84	NO	1.216	1.216	195	195	NO
20	13C-1,2,3,4,7,8-HxCDD	8.85e5	9.21e5	1.24	1.27	NO	0.8997	34.16	34.16	NO	1.014	1.014	106	106	NO
21	13C-1,2,3,6,7,8-HxCDD	8.72e5	9.21e5	1.24	1.27	NO	0.8327	34.30	34.28	NO	1.018	1.017	114	114	NO



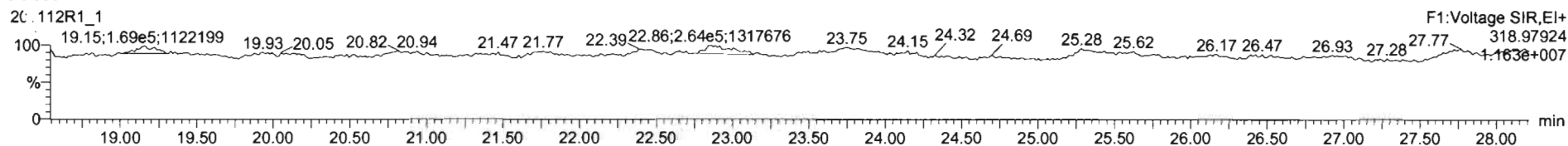
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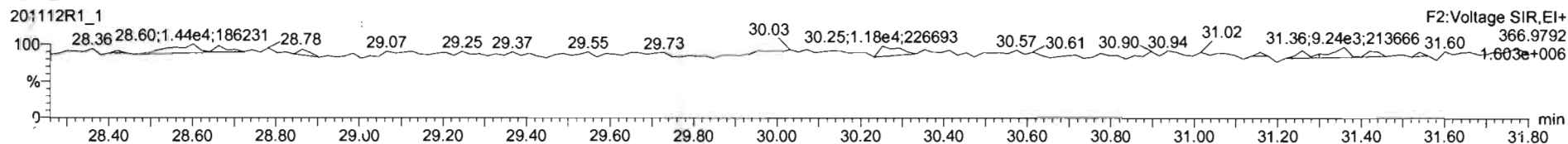
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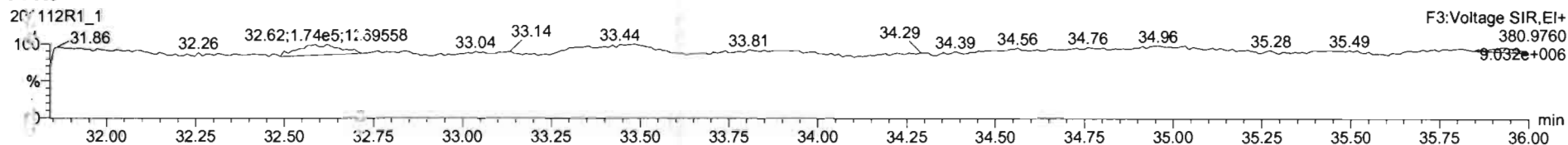
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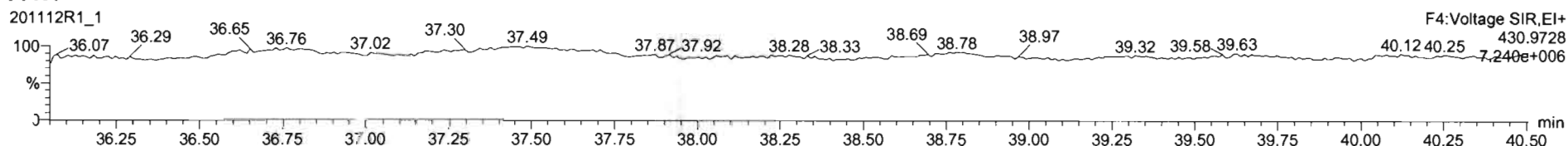
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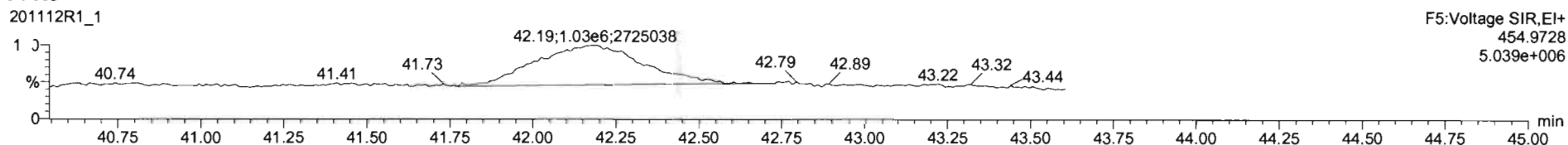
PFK3



PFK4

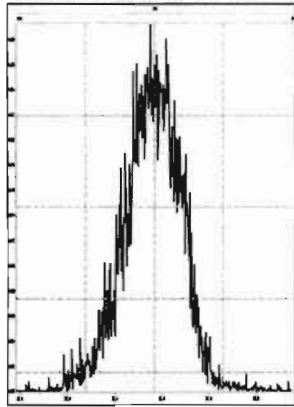


PFK5

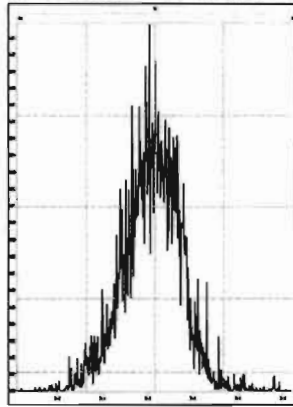


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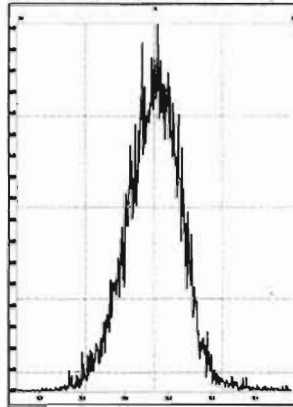
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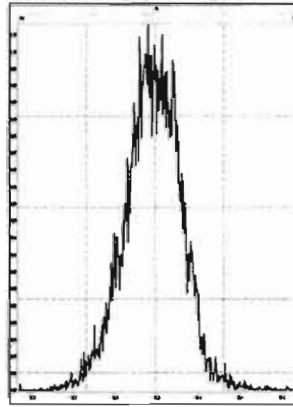
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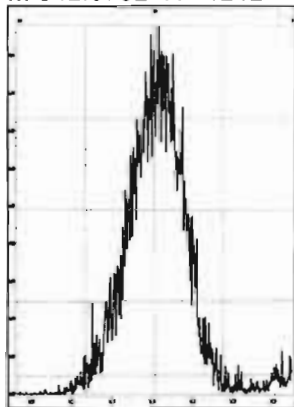
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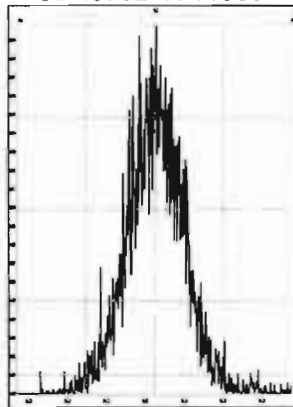
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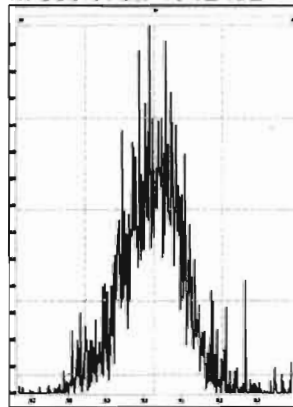
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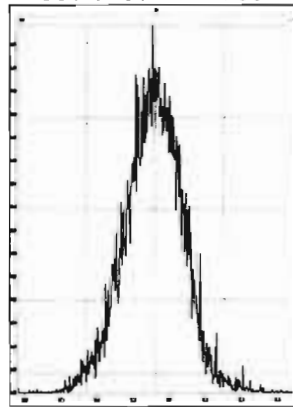
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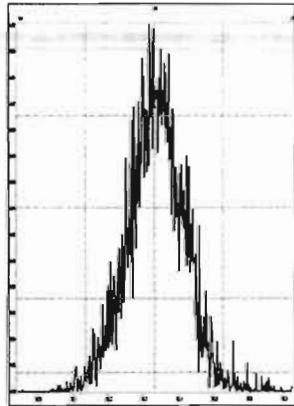
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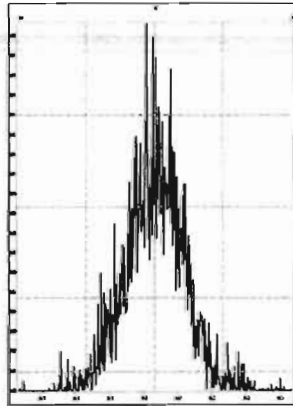
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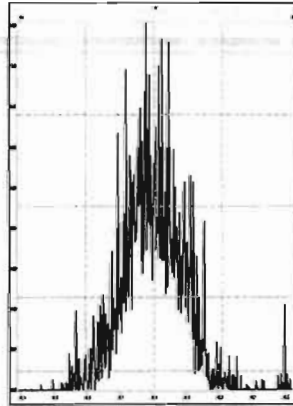
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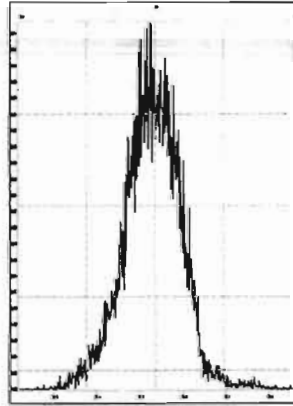
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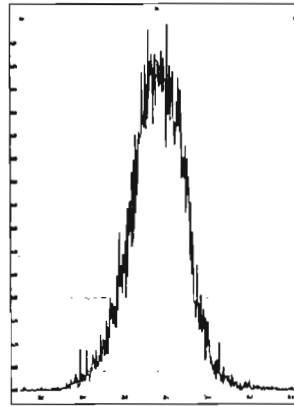
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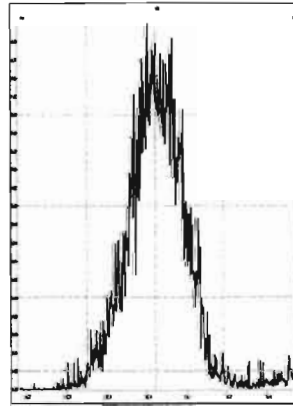
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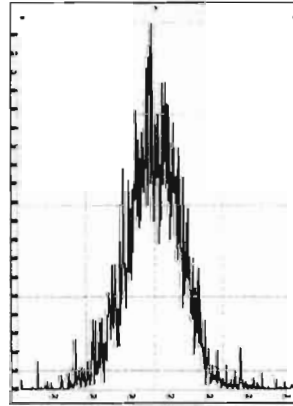
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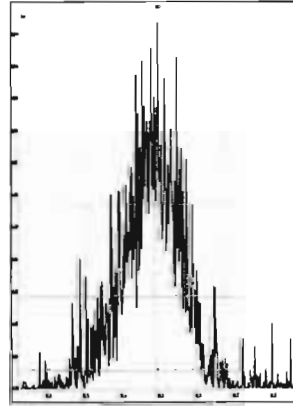
M 342.9792 R 11805



M 354.9792 R 13303

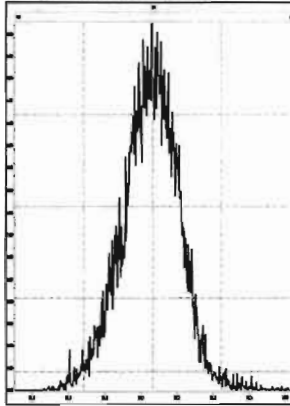


M 366.9792 R 12631

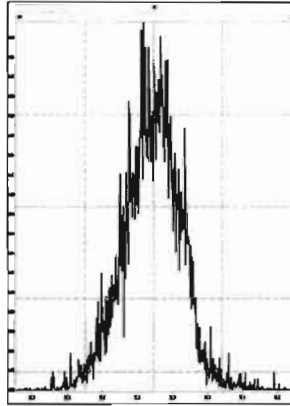


Printed: Thursday, November 12, 2020 18:30:15 Pacific Standard Time

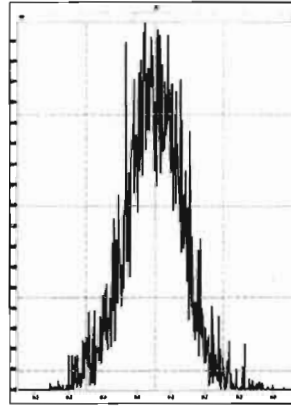
M 380.9760 R 11224



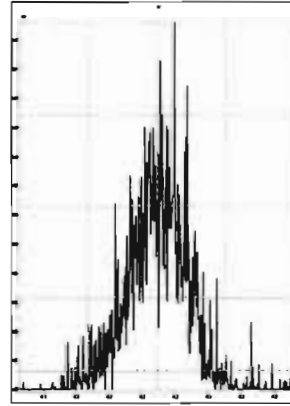
M 392.9760 R 11857



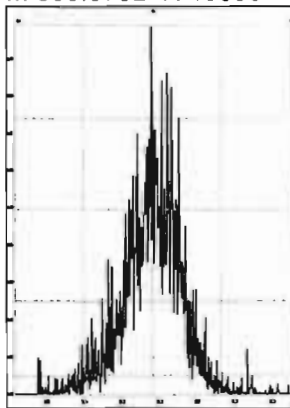
M 404.9760 R 12380



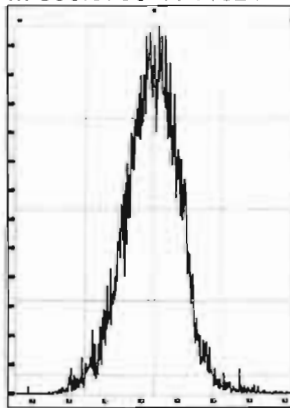
M 416.9760 R 14546



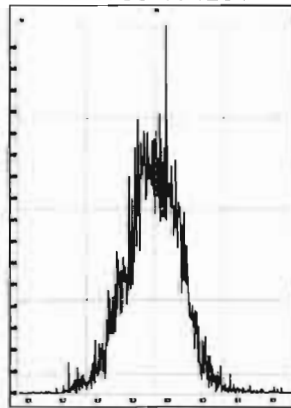
M 366.9792 R 13090



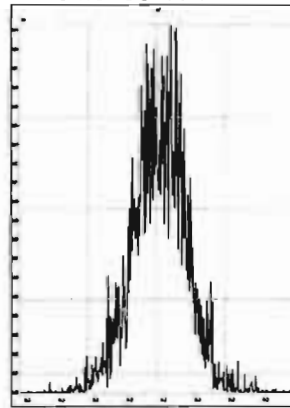
M 380.9760 R 11821



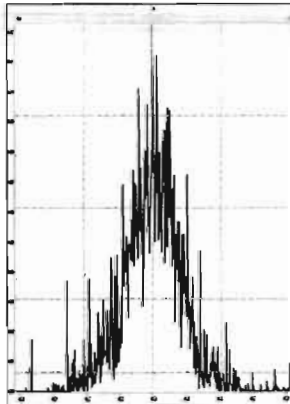
M 392.9760 R 12617



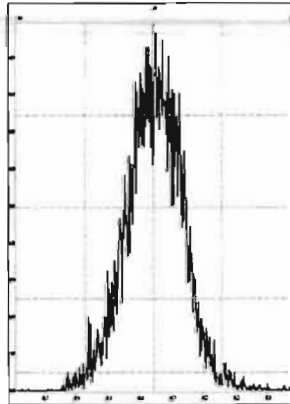
M 404.9760 R 12791



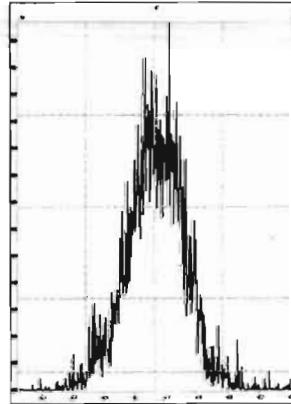
M 416.9760 R 15022



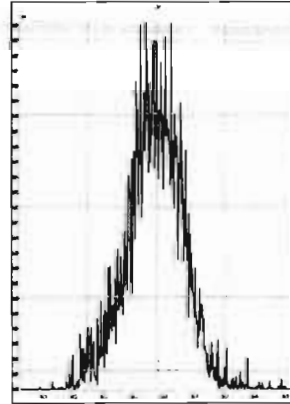
M 430.9728 R 11162



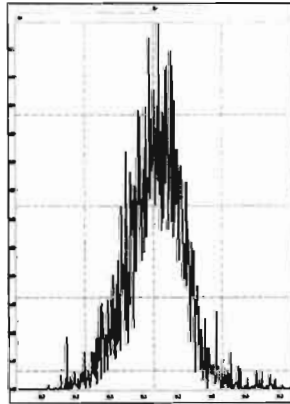
M 442.9728 R 12124



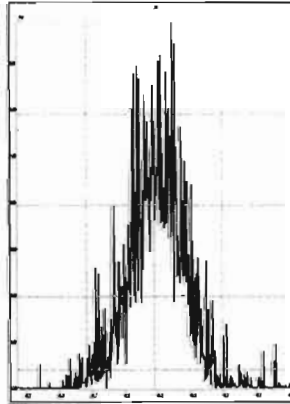
M 454.9728 R 12056



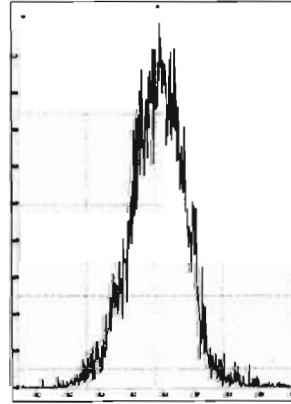
M 404.9760 R 14023



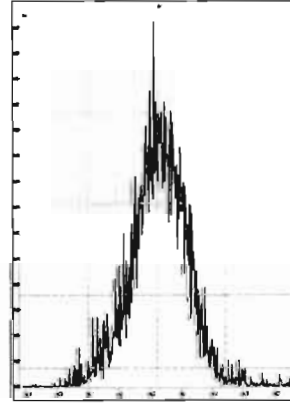
M 416.9760 R 15322



M 430.9728 R 12345

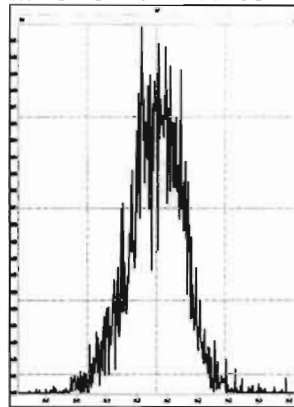


M 442.9728 R 12664

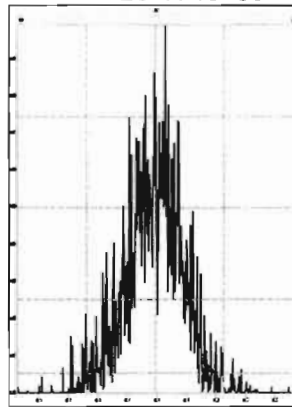


Printed: Thursday, November 12, 2020 18:30:15 Pacific Standard Time

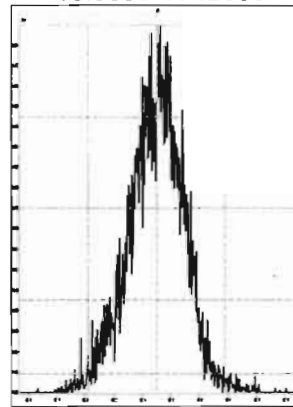
M 454.9728 R 11709



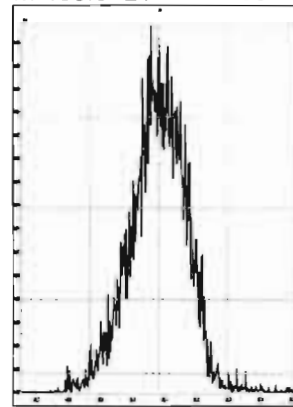
M 466.9728 R 15186



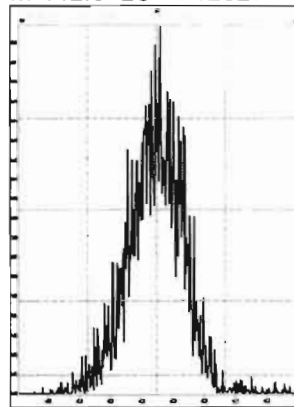
M 480.9696 R 12306



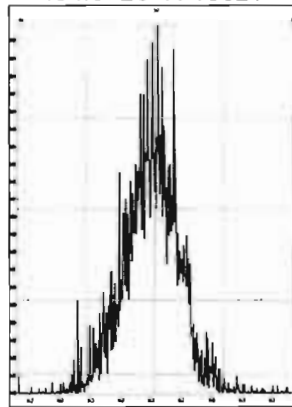
M 430.9728 R 11600



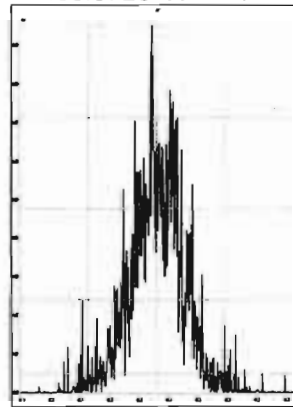
M 442.9728 R 12627



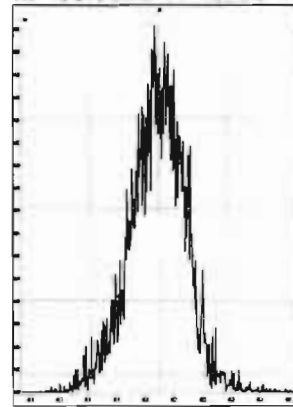
M 454.9728 R 13628



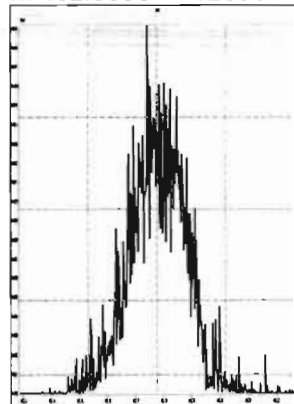
M 466.9728 R 14785



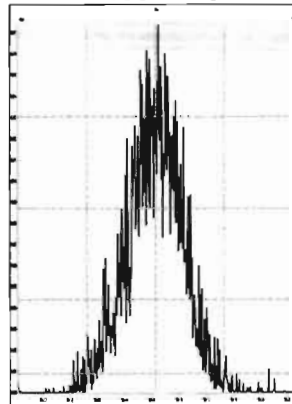
M 480.9696 R 12293



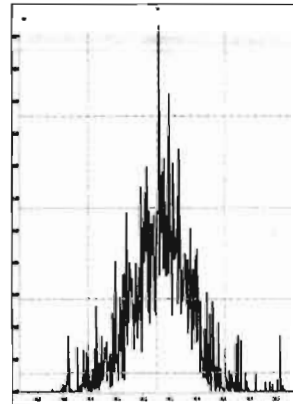
M 492.9696 R 12658



M 504.9696 R 13251



M 516.9697 R 14818



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST201113R1-1

Reviewed By: HN 11/16/2020

Initials & Date

End Calibration ID: ST201113R2-1

	<u>Beg.</u>	<u>End</u>
Ion abundance within QC limits?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Concentrations within criteria?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
TCDD/TCDF Valleys <25%	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
First and last eluters present?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Retention Times within criteria?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Verification Std. named correctly? (ST-Year-Month-Day-VG ID)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Forms signed and dated?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Correct ICAL referenced?	<u>GRB</u>	<u>GRB</u>
<u>Run Log:</u>		
- Correct instrument listed?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
- Samples within 12 hour clock?	(Y)	N
- Bottle position verified?	<u>GRB</u>	

Mass resolution \geq

5k 6-8K 8K 10K
1614 1699 429 1613/1668/8280

Intergrated peaks display correctly?

GC Break <20%

NA

8280 CS1 End Standard:

- Ratios within limits, S/N <2.5:1, CS1 within 12 hours

NA

Comments:

Dataset: U:\VG12.PRO\Results\201113R1\201113R1-1.qld

Last Altered: Friday, November 13, 2020 11:42:09 AM Pacific Standard Time

Printed: Friday, November 13, 2020 3:23:53 PM Pacific Standard Time

GRB 11/13/2020
HN 11/16/2020

Method: U:\VG12.PRO\MethDB\1613rrt-11-11-20.mdb 12 Nov 2020 07:51:39

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-10-20-20.cdb 20 Oct 2020 13:36:10

Name: 201113R1_1, Date: 13-Nov-2020, Time: 07:21:03, ID: ST201113R1_1 1613 CS3 20F1105, Description: 1613 CS3 20F1105

#	Name	Resp	IS Resp	RA	n/y	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
1	1 2,3,7,8-TCDD	9.49e4	9.66e5	0.79	NO	0.950	26.16	26.16	NO	1.001	1.001	10.350	104	NO
2	2 1,2,3,7,8-PeCDD	3.40e5	7.18e5	0.61	NO	0.885	30.86	30.88	NO	1.000	1.001	53.460	107	NO
3	3 1,2,3,4,7,8-HxCDD	2.82e5	5.34e5	1.22	NO	1.02	34.18	34.19	NO	1.000	1.001	51.874	104	NO
4	4 1,2,3,6,7,8-HxCDD	3.05e5	6.83e5	1.24	NO	0.915	34.30	34.30	NO	1.000	1.000	48.921	97.8	NO
5	5 1,2,3,7,8,9-HxCDD	2.77e5	5.92e5	1.24	NO	0.934	34.57	34.57	NO	1.000	1.000	50.191	100	NO
6	6 1,2,3,4,6,7,8-HpCDD	2.06e5	4.76e5	1.02	NO	0.870	38.04	38.06	NO	1.000	1.001	49.669	99.3	NO
7	7 OCDD	3.55e5	7.93e5	0.87	NO	0.872	40.99	41.01	NO	1.000	1.000	102.63	103	NO
8	8 2,3,7,8-TCDF	1.02e5	1.30e6	0.76	NO	0.824	25.45	25.46	NO	1.000	1.001	9.4910	94.9	NO
9	9 1,2,3,7,8-PeCDF	5.11e5	1.05e6	1.57	NO	0.963	29.60	29.61	NO	1.000	1.001	50.446	101	NO
10	10 2,3,4,7,8-PeCDF	5.57e5	1.03e6	1.55	NO	1.07	30.66	30.67	NO	1.000	1.001	50.614	101	NO
11	11 1,2,3,4,7,8-HxCDF	3.32e5	6.92e5	1.20	NO	0.953	33.26	33.28	NO	1.000	1.001	50.282	101	NO
12	12 1,2,3,6,7,8-HxCDF	3.82e5	7.48e5	1.21	NO	1.01	33.40	33.41	NO	1.000	1.000	50.732	101	NO
13	13 2,3,4,6,7,8-HxCDF	3.36e5	6.78e5	1.23	NO	0.991	34.06	34.08	NO	1.000	1.001	50.061	100	NO
14	14 1,2,3,7,8,9-HxCDF	2.70e5	5.64e5	1.25	NO	0.951	35.06	35.08	NO	1.000	1.001	50.332	101	NO
15	15 1,2,3,4,6,7,8-HpCDF	2.58e5	5.13e5	1.01	NO	0.999	36.64	36.65	NO	1.000	1.001	50.277	101	NO
16	16 1,2,3,4,7,8,9-HpCDF	2.11e5	3.71e5	1.01	NO	1.12	38.67	38.68	NO	1.000	1.000	50.611	101	NO
17	17 OCDF	3.82e5	8.88e5	0.87	NO	0.868	41.29	41.29	NO	1.000	1.000	99.138	99.1	NO
18	18 13C-2,3,7,8-TCDD	9.66e5	8.79e5	0.79	NO	1.11	26.13	26.13	NO	1.030	1.030	99.082	99.1	NO
19	19 13C-1,2,3,7,8-PeCDD	7.18e5	8.79e5	0.63	NO	0.859	30.86	30.86	NO	1.216	1.216	95.190	95.2	NO
20	20 13C-1,2,3,4,7,8-HxCDD	5.34e5	7.47e5	1.26	NO	0.700	34.18	34.17	NO	1.014	1.014	102.26	102	NO
21	21 13C-1,2,3,6,7,8-HxCDD	6.83e5	7.47e5	1.25	NO	0.833	34.31	34.29	NO	1.018	1.017	109.77	110	NO
22	22 13C-1,2,3,7,8,9-HxCDD	5.92e5	7.47e5	1.26	NO	0.762	34.56	34.56	NO	1.025	1.025	103.98	104	NO
23	23 13C-1,2,3,4,6,7,8-HpCDD	4.76e5	7.47e5	1.07	NO	0.650	38.04	38.04	NO	1.129	1.128	98.179	98.2	NO
24	24 13C-OCDD	7.93e5	7.47e5	0.89	NO	0.539	41.01	40.99	NO	1.217	1.216	196.98	98.5	NO
25	25 13C-2,3,7,8-TCDF	1.30e6	1.30e6	0.77	NO	0.981	25.45	25.45	NO	1.003	1.003	102.12	102	NO
26	26 13C-1,2,3,7,8-PeCDF	1.05e6	1.30e6	1.57	NO	0.792	29.59	29.59	NO	1.166	1.166	102.35	102	NO
27	27 13C-2,3,4,7,8-PeCDF	1.03e6	1.30e6	1.59	NO	0.778	30.65	30.66	NO	1.208	1.208	101.87	102	NO
28	28 13C-1,2,3,4,7,8-HxCDF	6.92e5	7.47e5	0.50	NO	0.954	33.26	33.26	NO	0.987	0.987	97.143	97.1	NO
29	29 13C-1,2,3,6,7,8-HxCDF	7.48e5	7.47e5	0.51	NO	1.01	33.40	33.40	NO	0.991	0.991	99.518	99.5	NO
30	30 13C-2,3,4,6,7,8-HxCDF	6.78e5	7.47e5	0.50	NO	0.921	34.07	34.06	NO	1.011	1.010	98.514	98.5	NO
31	31 13C-1,2,3,7,8,9-HxCDF	5.64e5	7.47e5	0.52	NO	0.803	35.06	35.06	NO	1.040	1.040	94.061	94.1	NO

Dataset: U:\VG12.PRO\Results\201113R1\201113R1-1.qld

Last Altered: Friday, November 13, 2020 11:42:09 AM Pacific Standard Time

Printed: Friday, November 13, 2020 3:23:53 PM Pacific Standard Time

Name: 201113R1_1, Date: 13-Nov-2020, Time: 07:21:03, ID: ST201113R1_1 1613 CS3 20F1105, Description: 1613 CS3 20F1105

#	Name	Resp	IS Resp	RA	n/y	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
32	13C-1,2,3,4,6,7,8-HpCDF	5.13e5	7.47e5	0.43	NO	0.735	36.64	36.63	NO	1.087	1.087	93.457	93.5	NO
33	13C-1,2,3,4,7,8,9-HpCDF	3.71e5	7.47e5	0.43	NO	0.568	38.67	38.67	NO	1.147	1.147	87.412	87.4	NO
34	13C-OCDF	8.88e5	7.47e5	0.87	NO	0.629	41.30	41.28	NO	1.225	1.225	188.93	94.5	NO
35	37Cl-2,3,7,8-TCDD	9.96e4	8.79e5			1.09	26.13	26.16	NO	1.030	1.031	10.419	104	NO
36	13C-1,2,3,4-TCDD	8.79e5	8.79e5	0.80	NO	1.00	25.37	25.37	NO	1.000	1.000	100.00	100	NO
37	13C-1,2,3,4-TCDF	1.30e6	1.30e6	0.79	NO	1.00	23.87	23.86	NO	1.000	1.000	100.00	100	NO
38	13C-1,2,3,4,6,9-HxCDF	7.47e5	7.47e5	0.51	NO	1.00	33.71	33.71	NO	1.000	1.000	100.00	100	YES <i>OK</i>

Dataset: Untitled

Last Altered: Sunday, November 15, 2020 09:28:16 Pacific Standard Time
Printed: Sunday, November 15, 2020 09:28:31 Pacific Standard Time

Method: U:\VG12.PRO\MethDB\1613rrt-11-11-20.mdb 12 Nov 2020 07:51:39
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-10-20-20.cdb 20 Oct 2020 13:36:10

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

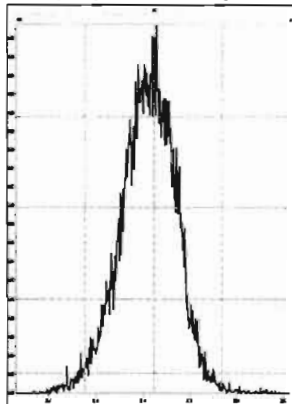
	Name	ID	Acq.Date	Acq.Time
1	201113R1_1	ST201113R1_1 1613 CS3 20F1105	13-Nov-20	07:21:03
2	201113R1_2 ^(A)			
3	201113R1_3	TCDF CPSM	13-Nov-20	08:40:16
4	201113R1_4	B0K0041-BS1 OPR 10	13-Nov-20	09:25:04
5	201113R1_5	SOLVENT BLANK	13-Nov-20	10:10:11
6	201113R1_6	B0K0041-BLK1 Method Blank 10	13-Nov-20	10:55:28
7	201113R1_7	2002285-01 #2 IAF (Grab) 1	13-Nov-20	11:40:22
8	201113R1_8	2002293-01 Williams Rd 10 1	13-Nov-20	12:25:16
9	201113R1_9	2002294-01 McLaughlin Ave 2 1	13-Nov-20	13:10:09
10	201113R1_10	2002295-01 Gish Rd 4 1	13-Nov-20	13:55:03
11	201113R1_11	2002298-01 SC-FB-2010261145 1	13-Nov-20	14:39:57
12	201113R1_12	2002298-02 SC-RB-2010261130 1	13-Nov-20	15:24:49
13	201113R1_13	2002299-01 SC-RB-2010261000 1	13-Nov-20	16:09:44
14	201113R1_14	2002300-01 003 OUTFALL 1	13-Nov-20	16:54:34
15	201113R1_15	2002339-01 WC-S9068 1	13-Nov-20	17:39:25
16	201113R1_16	2002243-01 Sept 2020 Injection 1	13-Nov-20	18:24:18
17	201113R2_1	SOLVENT BLANK	13-Nov-20	19:18:14
18	201113R2_2	ST201113R2_1 1613 CS3 20F1105	13-Nov-20	20:03:07
19	201113R2_3	TCDF CPSM	13-Nov-20	20:48:01

^(A) INST. PAUSED, RI 'TCDF CPSM' AGAIN IMMEDIATELY AFTER. GRB 11/15/2020

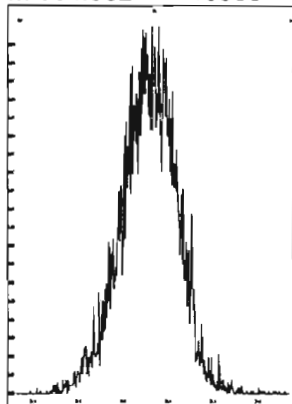
File: Experiment: OCDD_DB5_2.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Friday, November 13, 2020 07:16:02 Pacific Standard Time

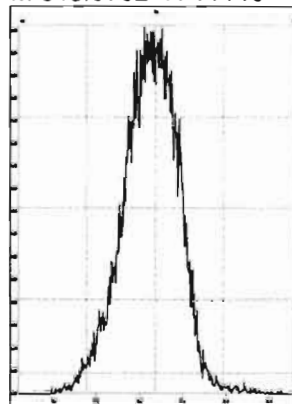
M 292.9824 R 11311



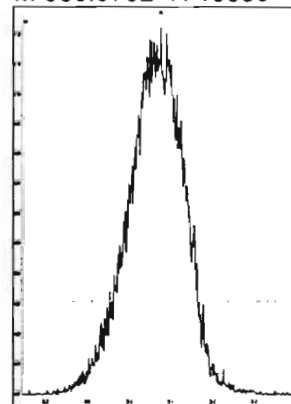
M 304.9824 R 10966



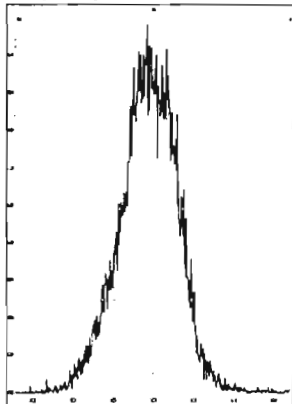
M 318.9792 R 11110



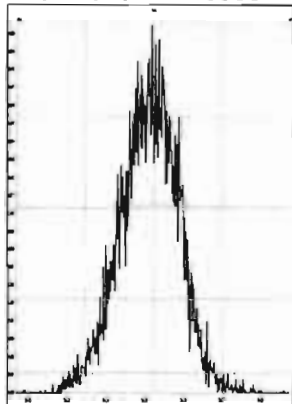
M 330.9792 R 10685



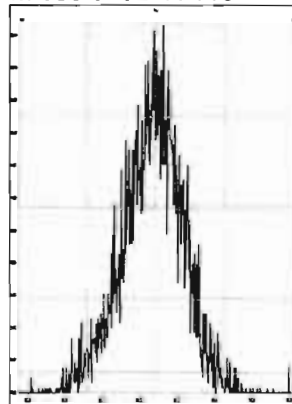
M 342.9792 R 10916



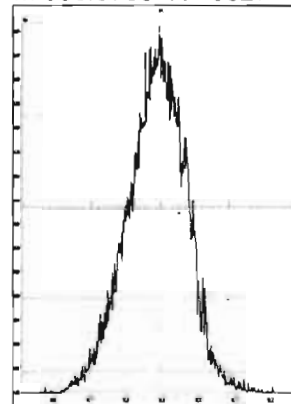
M 354.9792 R 10966



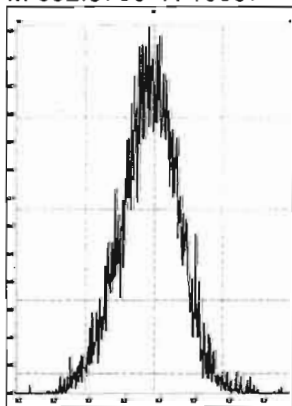
M 366.9792 R 11367



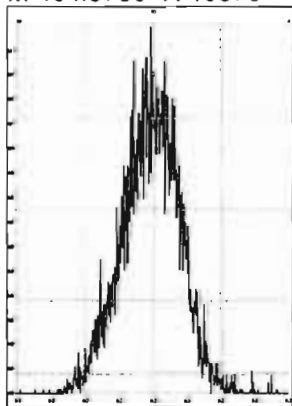
M 380.9760 R 10327



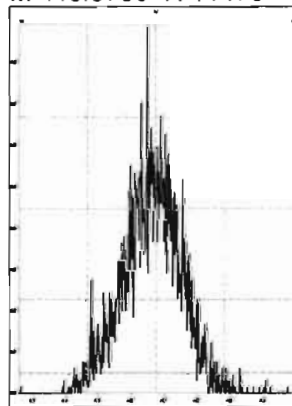
M 392.9760 R 10637



M 404.9760 R 10870



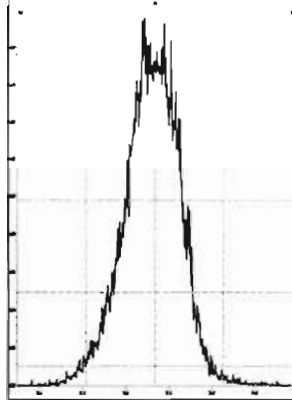
M 416.9760 R 11470



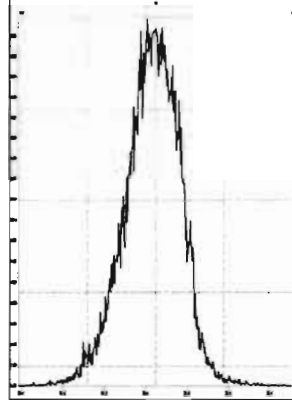
File: Experiment: OCDD_DB5_2.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Friday, November 13, 2020 07:17:08 Pacific Standard Time

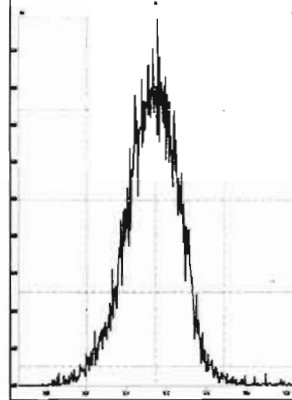
M 318.9792 R 10917



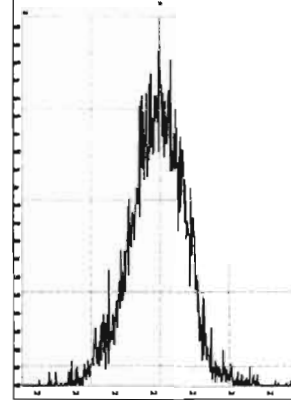
M 330.9792 R 10506



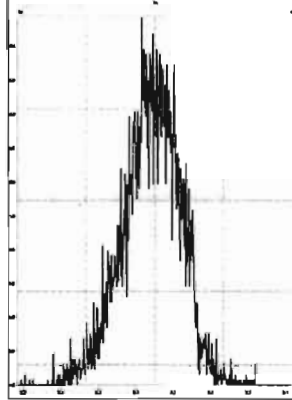
M 342.9792 R 10822



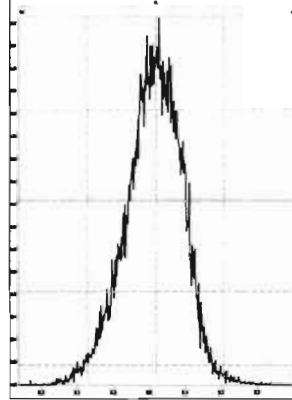
M 354.9792 R 11361



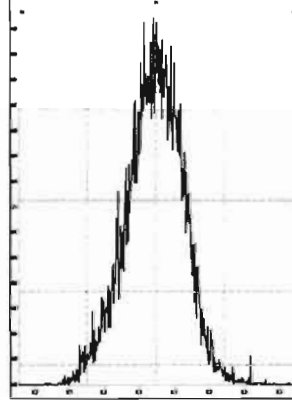
M 366.9792 R 10330



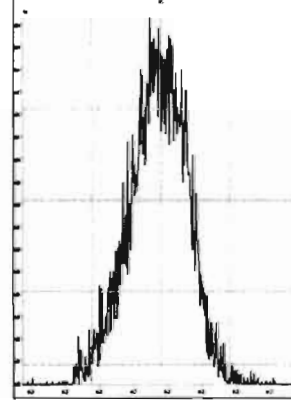
M 380.9760 R 10686



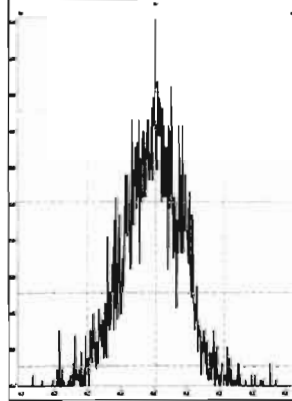
M 392.9760 R 10822



M 404.9760 R 10867



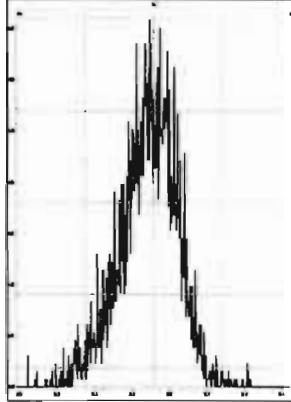
M 416.9760 R 11736



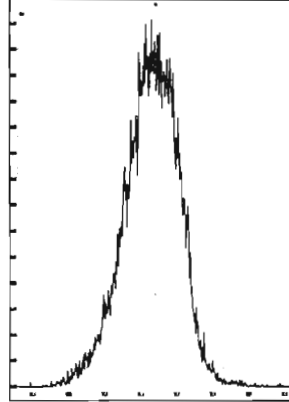
File: Experiment: OCDD_DB5_2.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Friday, November 13, 2020 07:17:32 Pacific Standard Time

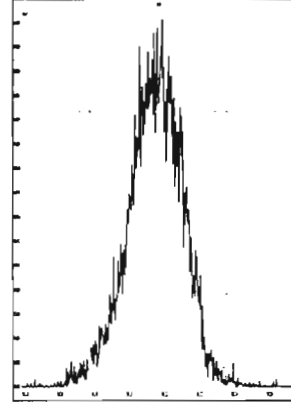
M 366.9792 R 11737



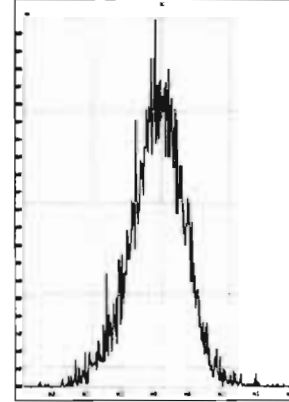
M 380.9760 R 10595



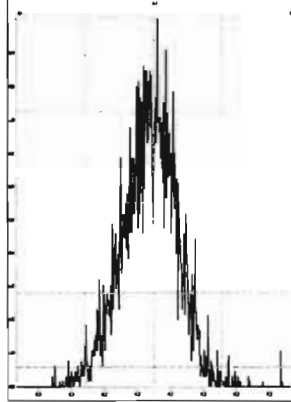
M 392.9760 R 11574



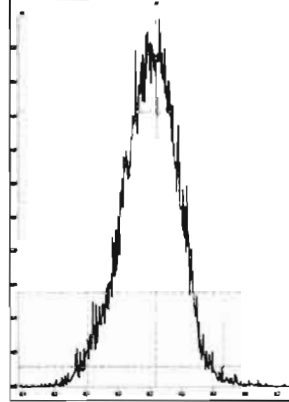
M 404.9760 R 11060



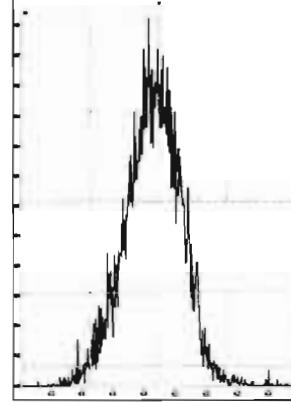
M 416.9760 R 12254



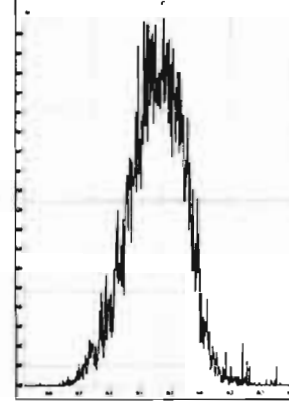
M 430.9728 R 10774



M 442.9728 R 10729



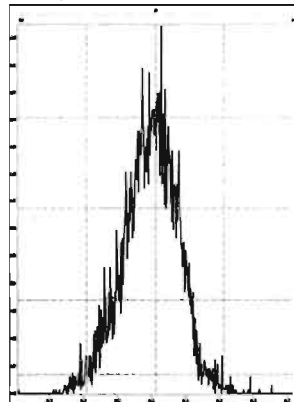
M 454.9728 R 10685



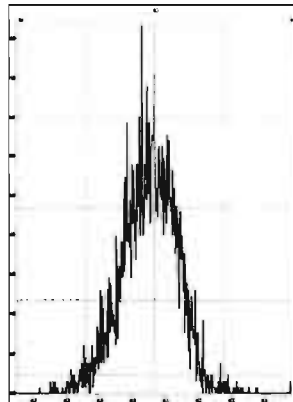
File: Experiment: OCDD_DB5_2.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Friday, November 13, 2020 07:17:52 Pacific Standard Time

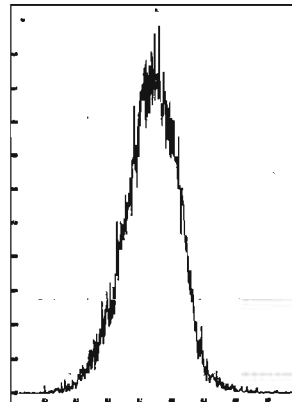
M 404.9760 R 12561



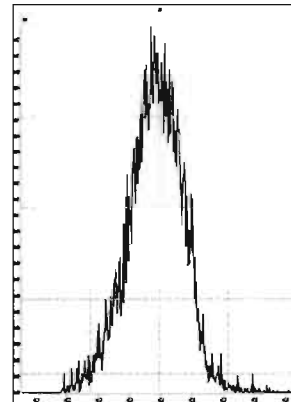
M 416.9760 R 12691



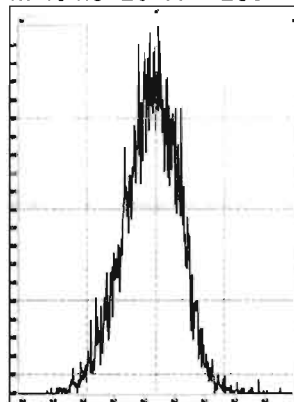
M 430.9728 R 11362



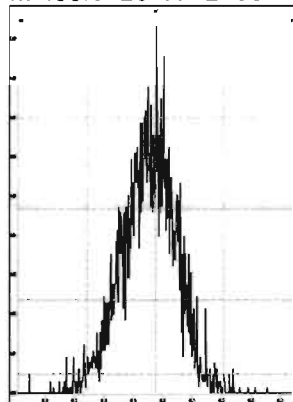
M 442.9728 R 11849



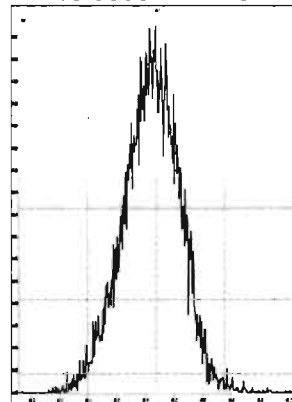
M 454.9728 R 11260



M 466.9728 R 12136



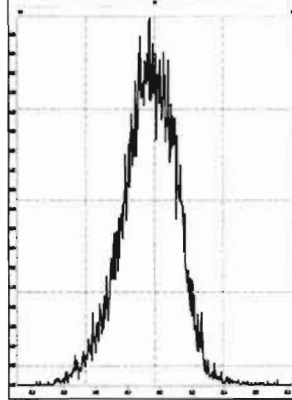
M 480.9696 R 11362



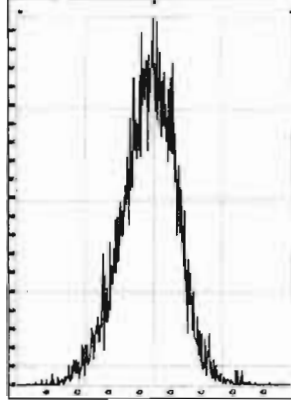
File: Experiment: OCDD_DB5_2.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Friday, November 13, 2020 07:18:15 Pacific Standard Time

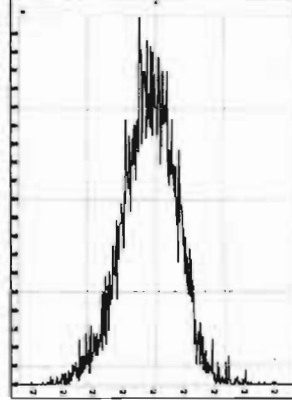
M 430.9728 R 11261



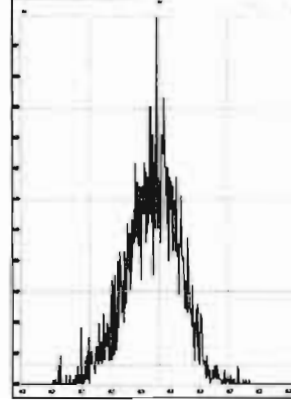
M 442.9728 R 11314



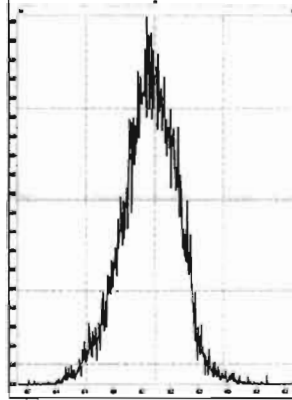
M 454.9728 R 11905



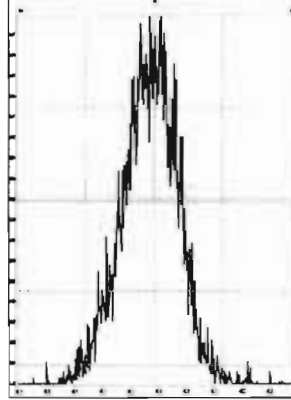
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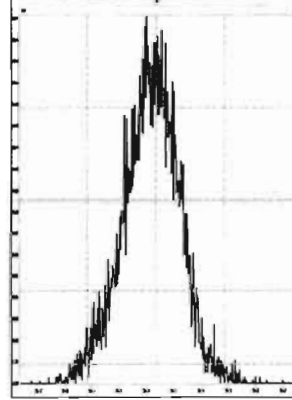
M 480.9696 R 11161



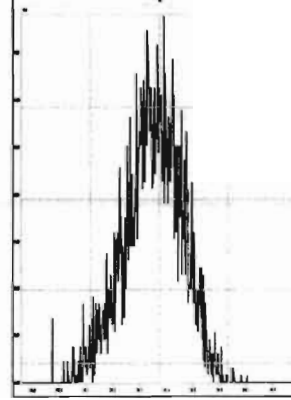
M 492.9696 R 11466



M 504.9696 R 11901



M 516.9697 R 11684



Dataset: Untitled

Last Altered: Friday, November 13, 2020 11:15:47 AM Pacific Standard Time

Printed: Friday, November 13, 2020 11:16:01 AM Pacific Standard Time

Method: U:\VG12.PRO\MethDB\CPSM.mdb 10 Nov 2020 10:04:22

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-10-20-20.cdb 20 Oct 2020 13:36:10

Name: 201113R1_1, Date: 13-Nov-2020, Time: 07:21:03, ID: ST201113R1_1 1613 CS3 20F1105, Description: 1613 CS3 20F1105

#	Name	RT
1	1,3,6,8-TCDD (First)	22.33
2	1,2,8,9-TCDD (Last)	27.04
3	1,2,4,7,9-PeCDD (First)	28.60
4	1,2,3,8,9-PeCDD (Last)	31.22
5	1,2,4,6,7,9-HxCDD (First)	32.54
6	1,2,3,7,8,9-HxCDD (Last)	34.57
7	1,2,3,4,6,7,9-HpCDD (First)	37.03
8	1,2,3,4,6,7,8-HpCDD (Last)	38.06
9	1,3,6,8-TCDF (First)	20.11
10	1,2,8,9-TCDF (Last)	27.37
11	1,3,4,6,8-PeCDF (First)	26.94
12	1,2,3,8,9-PeCDF (Last)	31.58
13	1,2,3,4,6,8-HxCDF (First)	32.01
14	1,2,3,7,8,9-HxCDF (Last)	35.08
15	1,2,3,4,6,7,8-HpCDF (First)	36.65
16	1,2,3,4,7,8,9-HpCDF (Last)	38.68

Dataset: Untitled

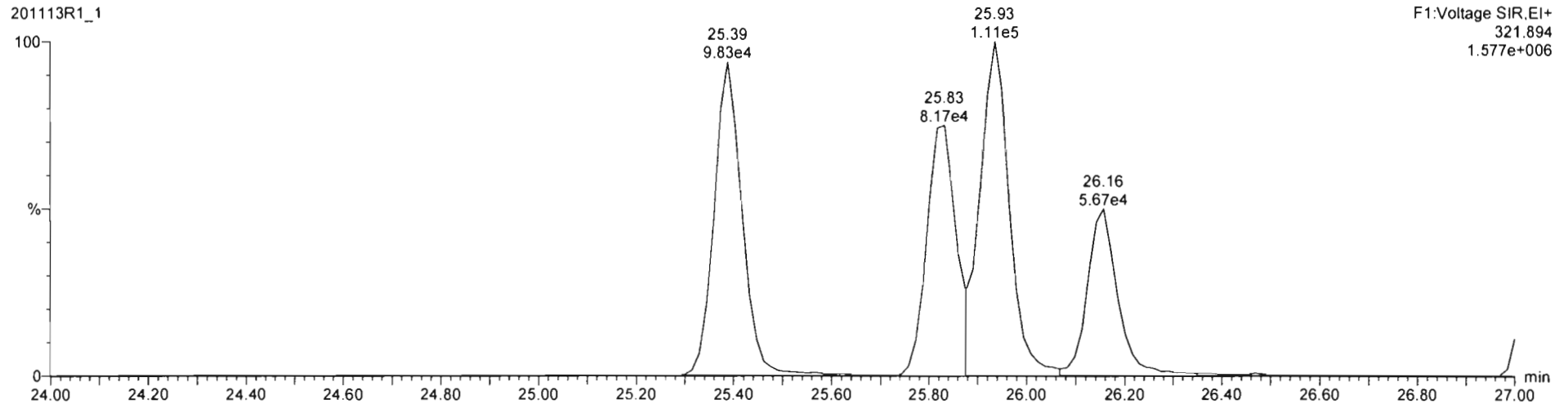
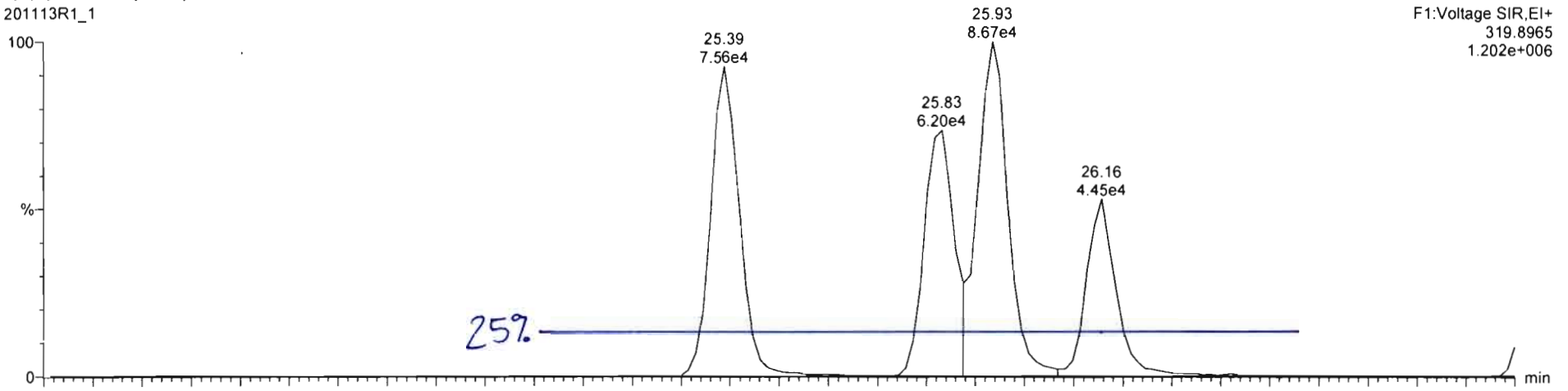
Last Altered: Friday, November 13, 2020 11:15:47 AM Pacific Standard Time
Printed: Friday, November 13, 2020 11:16:01 AM Pacific Standard Time

GRB 11/13/2020
HN 11/14/2020

Method: U:\VG12.PRO\MethDB\CPSM.mdb 10 Nov 2020 10:04:22
Calibration: U:\VG12.PRO\CurveDB\ldbDIOXIN_1613vg12-10-20-20.cdb 20 Oct 2020 13:36:10

Name: 201113R1_1, Date: 13-Nov-2020, Time: 07:21:03, ID: ST201113R1_1 1613 CS3 20F1105, Description: 1613 CS3 20F1105

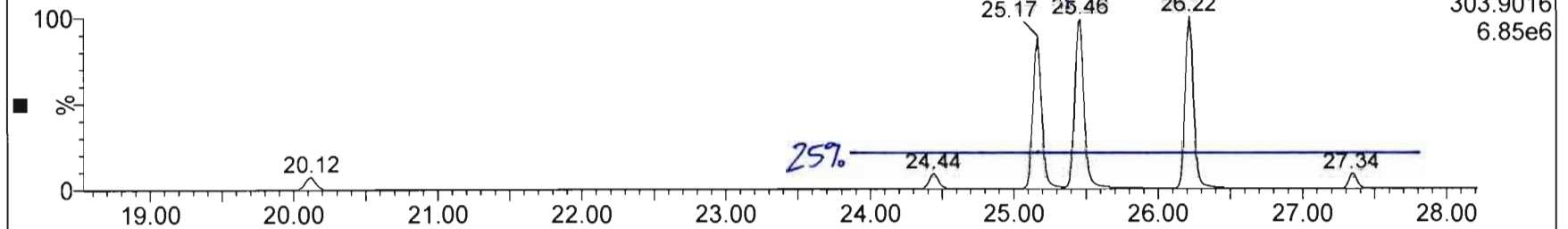
1,3,6,8-TCDD (First)
201113R1_1



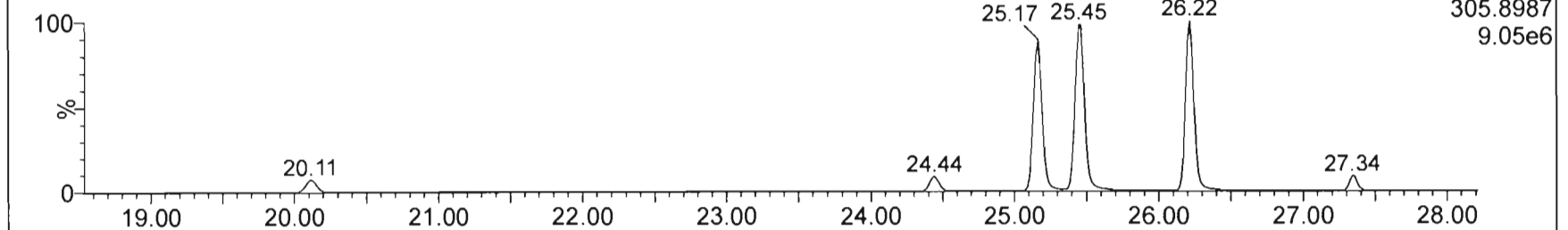
HIN 11/16/2020
GPB 11/13/2020

TCDF CPSM QC

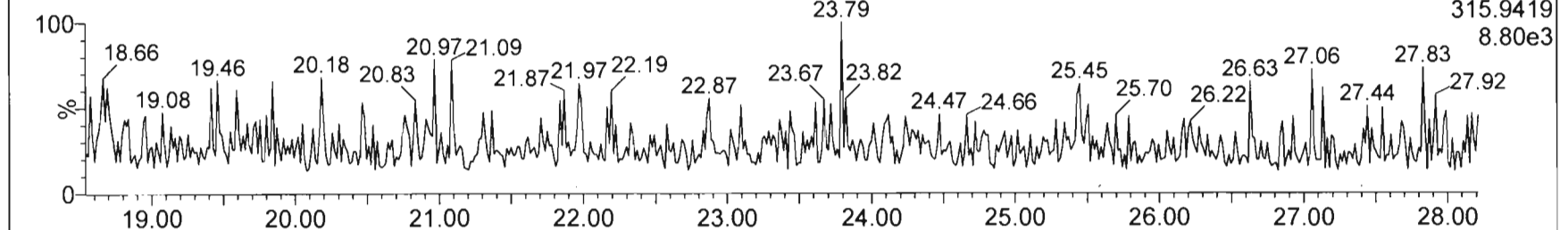
201113R1_3



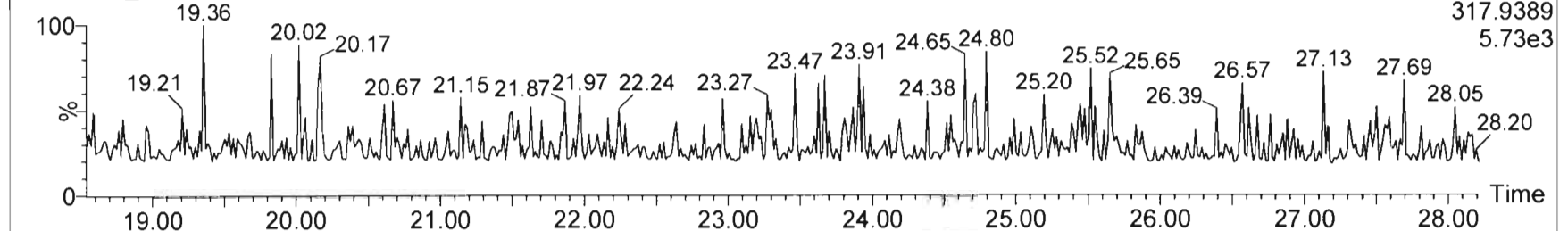
201113R1_3



201113R1_3



201113R1_3



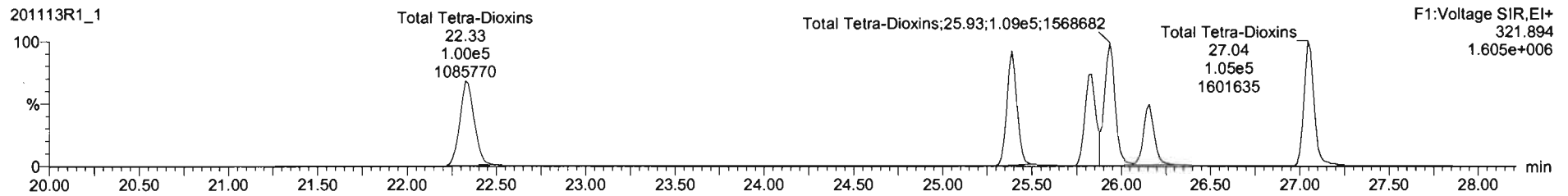
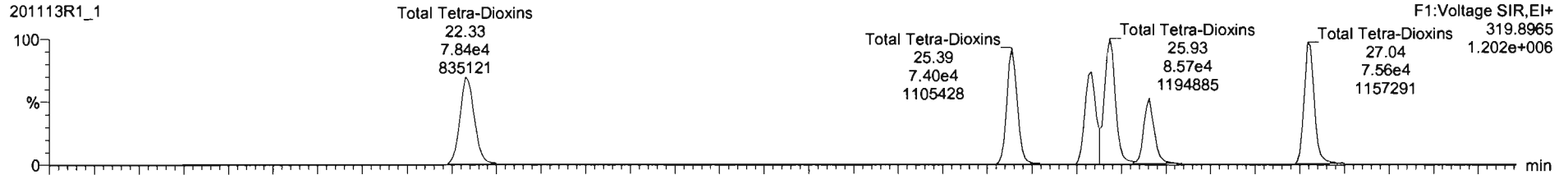
Dataset: Untitled

Last Altered: Friday, November 13, 2020 3:20:42 PM Pacific Standard Time
Printed: Friday, November 13, 2020 3:21:00 PM Pacific Standard Time

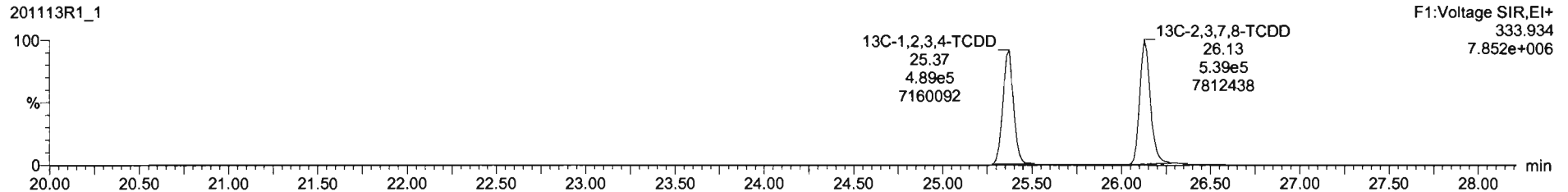
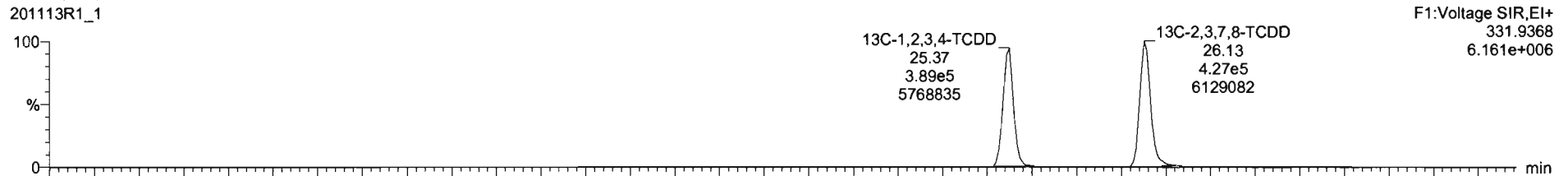
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Name: 201113R1_1, Date: 13-Nov-2020, Time: 07:21:03, ID: ST201113R1_1 1613 CS3 20F1105, Description: 1613 CS3 20F1105

2,3,7,8-TCDD



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



Dataset: Untitled

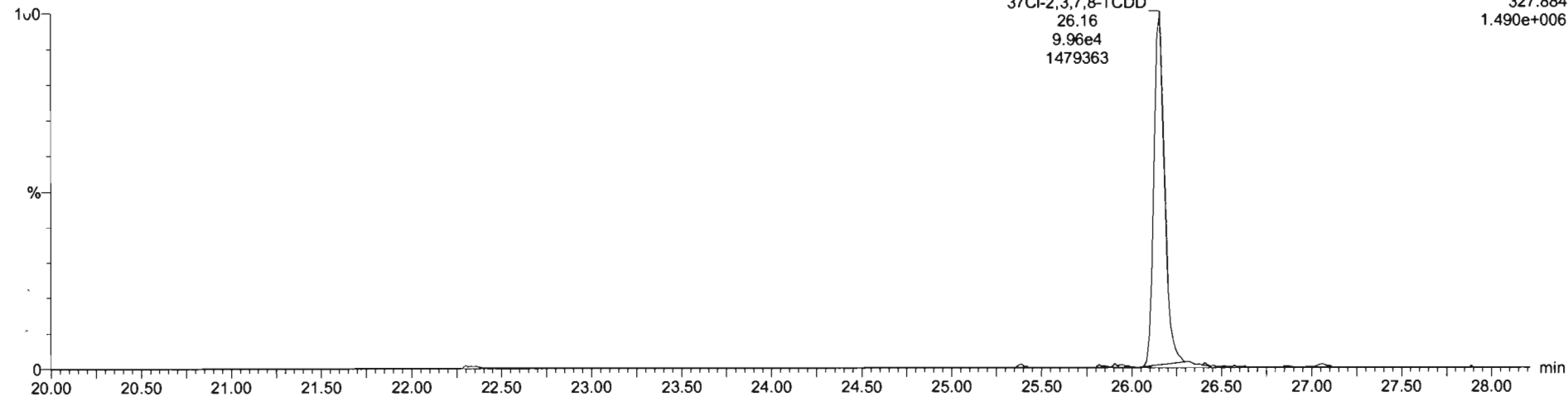
Last Altered: Friday, November 13, 2020 3:20:42 PM Pacific Standard Time

Printed: Friday, November 13, 2020 3:21:00 PM Pacific Standard Time

Name: 201113R1_1, Date: 13-Nov-2020, Time: 07:21:03, ID: ST201113R1_1 1613 CS3 20F1105, Description: 1613 CS3 20F1105

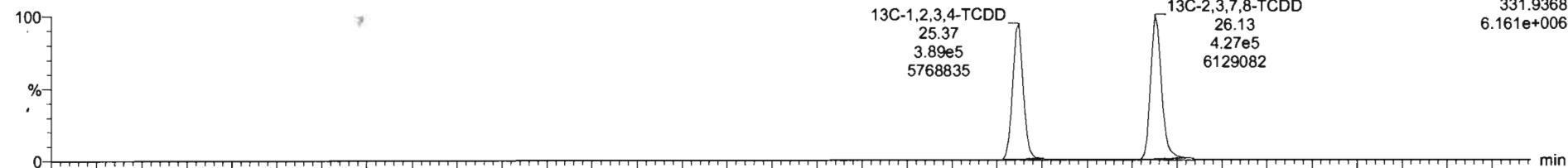
37Cl-2,3,7,8-TCDD

201113R1_1

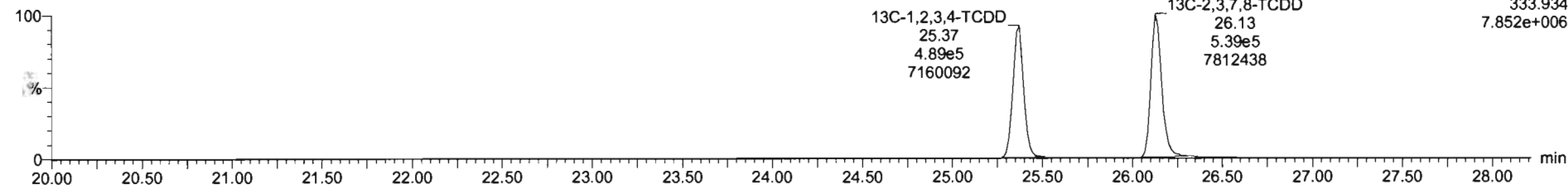


13C-1,2,3,4-TCDD

201113R1_1



201113R1_1



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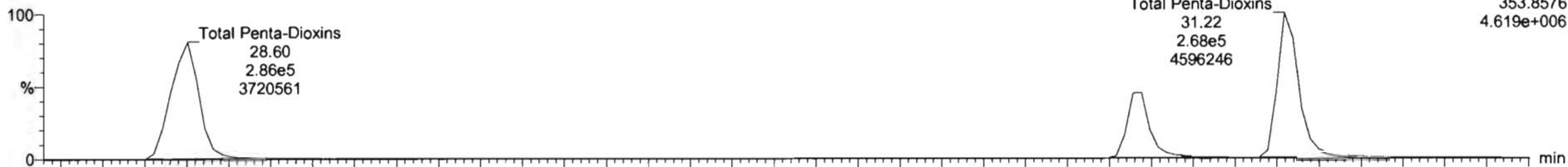
Last Altered: Friday, November 13, 2020 3:20:42 PM Pacific Standard Time

Printed: Friday, November 13, 2020 3:21:00 PM Pacific Standard Time

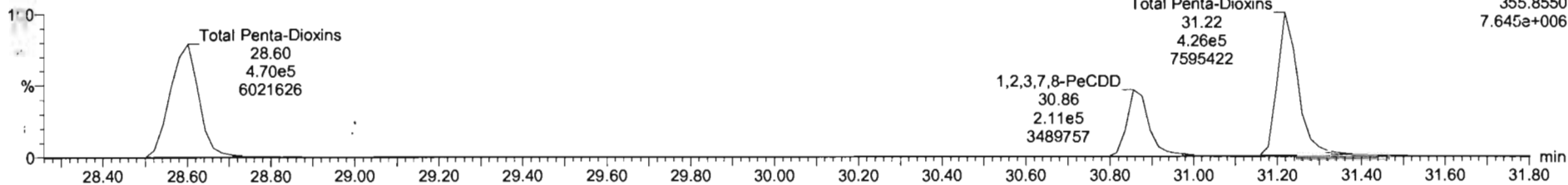
Name: 201113R1_1, Date: 13-Nov-2020, Time: 07:21:03, ID: ST201113R1_1 1613 CS3 20F1105, Description: 1613 CS3 20F1105

1,2,3,7,8-PeCDD

201113R1_1

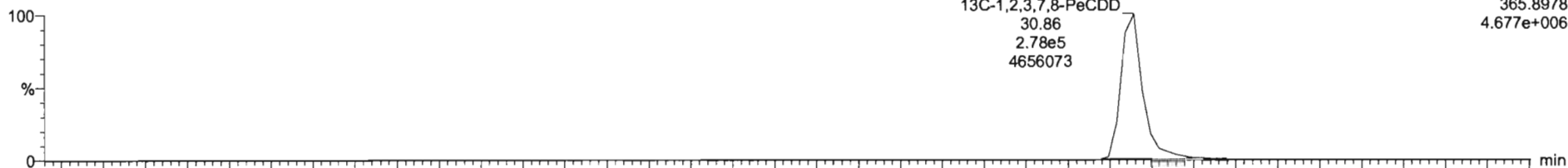


201113R1_1

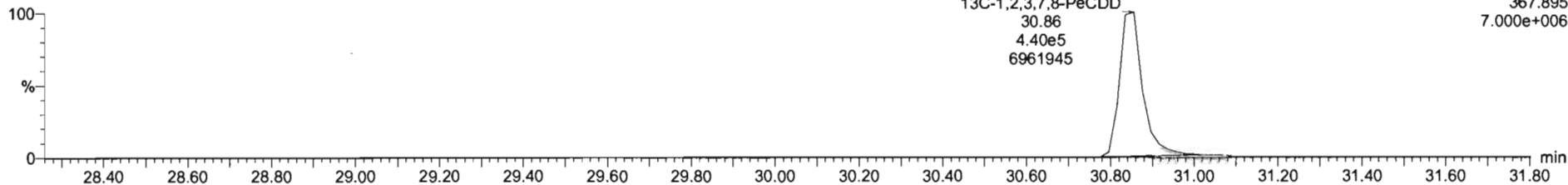


13C-1,2,3,7,8-PeCDD

201113R1_1



201113R1_1



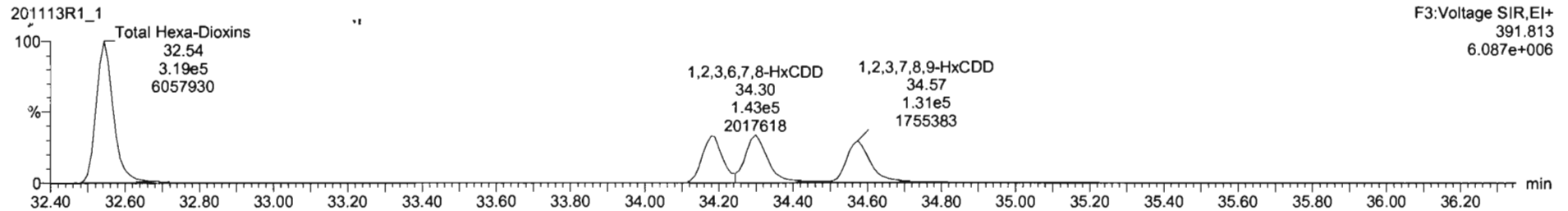
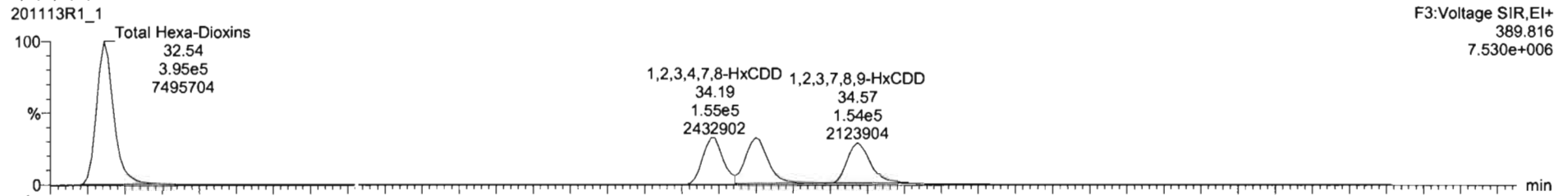
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Last Altered: Friday, November 13, 2020 3:20:42 PM Pacific Standard Time

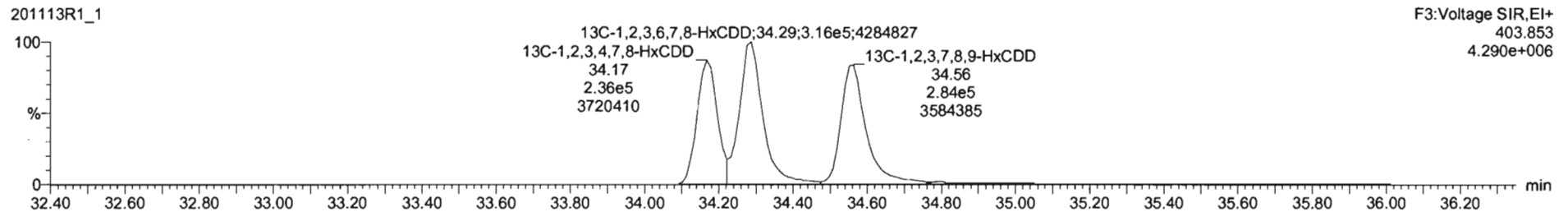
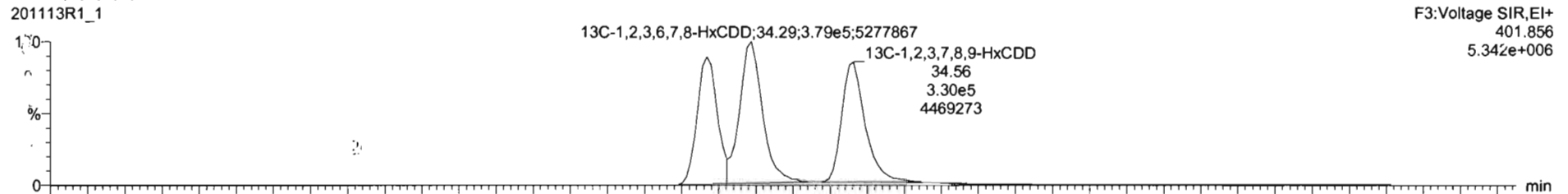
Printed: Friday, November 13, 2020 3:21:00 PM Pacific Standard Time

Name: 201113R1_1, Date: 13-Nov-2020, Time: 07:21:03, ID: ST201113R1_1 1613 CS3 20F1105, Description: 1613 CS3 20F1105

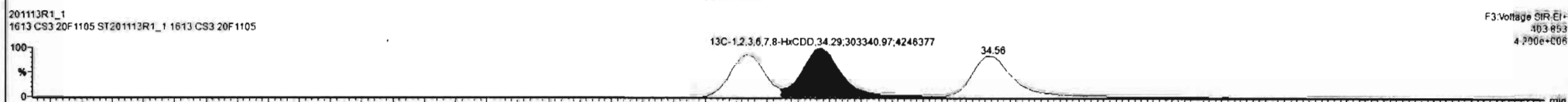
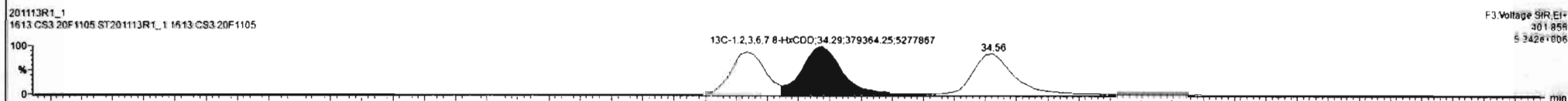
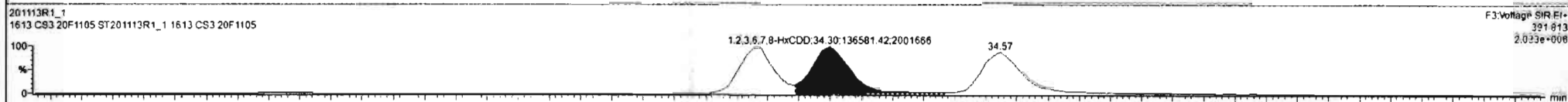
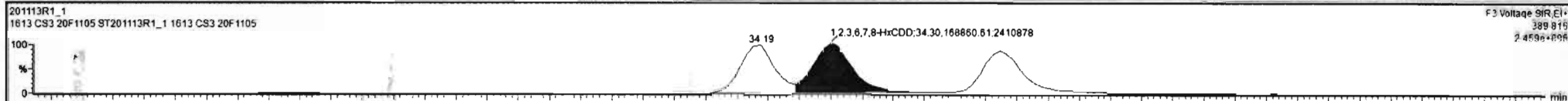
1,2,3,4,7,8-HxCDD



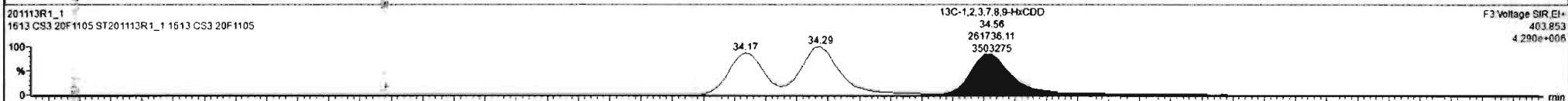
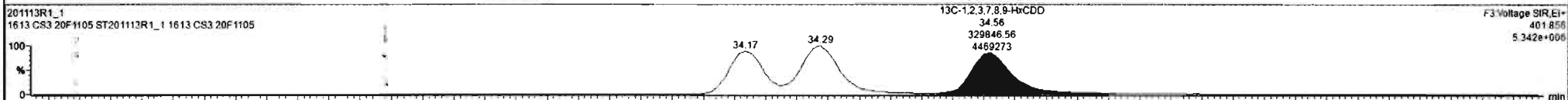
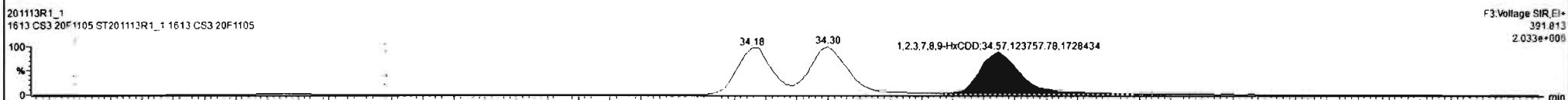
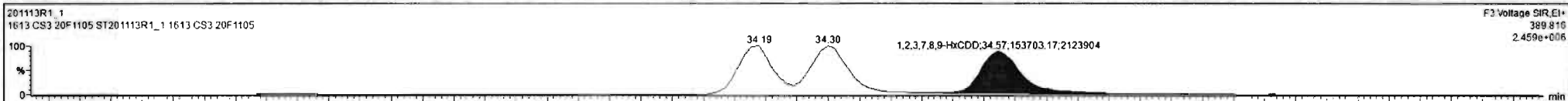
13C-1,2,3,4,7,8-HxCDD



#	Name	Resp	IS Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Cyc%	%RRC	STD dev
1	1,2,3,7,8-TCDD	9.49e4	9.66e5	0.77	0.79	NO	0.9501	26.15	26.15	NO	1.001	1.001	10.4	10.4	NO
2	1,2,3,7,8-PeCDD	3.40e5	7.18e5	0.63	0.61	NO	0.6855	30.86	30.88	NO	1.000	1.001	53.5	107	NO
3	1,2,3,4,7,8-HxCDD	2.82e5	5.34e5	1.24	1.22	NO	1.0176	34.18	34.19	NO	1.000	1.001	51.9	104	NO
4	1,2,3,6,7,8-HxCDD	3.05e5	6.83e5	1.24	1.24	NO	0.9145	34.30	34.30	NO	1.000	1.000	45.9	97.5	NO
5	1,2,3,7,8,9-HxCDD	2.77e5	5.92e5	1.24	1.24	NO	0.9345	34.57	34.57	NO	1.000	1.000	50.2	100	NO
6	1,2,3,4,6,7,8-HpCDD	2.06e5	4.78e5	1.04	1.02	NO	0.8697	38.04	38.06	NO	1.000	1.001	49.7	99.3	NO
7	OCDD	3.55e5	7.93e5	0.89	0.87	NO	0.8717	40.99	41.01	NO	1.000	1.000	103	103	NO
8	2,3,7,8-TCDF	1.02e5	1.30e6	0.77	0.76	NO	0.8243	25.45	25.46	NO	1.000	1.001	9.49	94.9	NO
9	1,2,3,7,8-PeCDF	5.11e5	1.05e6	1.55	1.57	NO	0.9926	29.60	29.61	NO	1.000	1.001	50.4	101	NO
10	2,3,4,7,8-PeCDF	5.57e5	1.03e6	1.55	1.55	NO	1.0684	30.66	30.67	NO	1.000	1.001	50.6	101	NO
11	1,2,3,4,7,8-HxCDF	3.32e5	6.92e5	1.24	1.20	NO	0.9535	33.26	33.28	NO	1.000	1.001	50.3	101	NO
12	1,2,3,6,7,8-HxCDF	3.82e5	7.48e5	1.24	1.21	NO	1.0080	33.40	33.41	NO	1.000	1.000	50.7	101	NO
13	2,3,4,6,7,8-HxCDF	3.36e5	6.78e5	1.24	1.23	NO	0.9907	34.06	34.08	NO	1.000	1.001	50.1	100	NO
14	1,2,3,7,8,9-HxCDF	2.70e5	5.64e5	1.24	1.25	NO	0.9506	35.08	35.08	NO	1.000	1.001	50.3	101	NO
15	1,2,3,4,6,7,8-HpCDF	2.58e5	5.13e5	1.04	1.01	NO	0.9986	36.84	36.85	NO	1.000	1.001	50.3	101	NO
16	1,2,3,4,7,8,9-HpCDF	2.11e5	3.71e5	1.04	1.01	NO	1.1238	38.67	38.68	NO	1.000	1.000	50.6	101	NO
17	OCDF	3.82e5	8.88e5	0.89	0.87	NO	0.8682	41.29	41.29	NO	1.000	1.000	99.1	99.1	NO
18	13C-2,3,7,8-TCDD	9.66e5	8.79e5	0.77	0.79	NO	1.1089	26.13	26.13	NO	1.030	1.030	99.1	99.1	NO
19	13C-1,2,3,7,8-PeCDD	7.18e5	8.79e5	0.63	0.63	NO	0.8585	30.88	30.88	NO	1.216	1.216	95.2	95.2	NO
20	13C-1,2,3,4,7,8-HxCDD	5.34e5	7.47e5	1.24	1.28	NO	0.8997	34.18	34.17	NO	1.014	1.014	102	102	NO
21	13C-1,2,3,6,7,8-HxCDD	6.83e5	7.47e5	1.24	1.25	NO	0.8327	34.31	34.29	NO	1.018	1.017	110	110	NO



#	Name	Resp	IS Resp	Pred RA	RA	nly	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc.	%Rec	STD out
1	1,2,3,7,8-TCDD	9.49e4	9.66e5	0.77	0.79	NO	0.9501	26.16	26.16	NO	1.001	1.001	10.4	104	NO
2	1,2,3,7,8-PeCDD	3.40e5	7.18e5	0.63	0.61	NO	0.8855	30.86	30.88	NO	1.000	1.001	53.5	107	NO
3	1,2,3,4,7,8-HxCDD	2.82e5	5.34e5	1.24	1.22	NO	1.0176	34.18	34.19	NO	1.000	1.001	51.9	104	NO
4	1,2,3,6,7,8-HxCDD	3.05e5	6.83e5	1.24	1.24	NO	0.9145	34.30	34.30	NO	1.000	1.000	48.9	97.8	NO
5	1,2,3,7,8,9-HxCDD	2.77e5	3.92e5	1.24	1.24	NO	0.9346	34.57	34.57	NO	1.000	1.000	50.2	100	NO
6	1,2,3,4,6,7,8-HpCDD	2.06e5	4.76e5	1.04	1.02	NO	0.8697	38.04	38.06	NO	1.000	1.001	49.7	99.3	NO
7	OCDD	3.55e5	7.93e5	0.89	0.87	NO	0.8717	40.99	41.01	NO	1.000	1.000	103	103	NO
8	2,3,7,8-TCDF	1.02e5	1.30e6	0.77	0.76	NO	0.8243	25.45	25.46	NO	1.000	1.001	9.49	94.9	NO
9	1,2,3,7,8-PeCDF	5.11e5	1.05e6	1.55	1.57	NO	0.9626	29.80	29.61	NO	1.000	1.001	50.4	101	NO
10	2,3,4,7,8-PeCDF	5.57e5	1.03e6	1.55	1.55	NO	1.0684	30.66	30.67	NO	1.000	1.001	50.6	101	NO
11	1,2,3,4,7,8-HxCDF	3.32e5	6.92e5	1.24	1.20	NO	0.9535	33.26	33.28	NO	1.000	1.001	50.3	101	NO
12	1,2,3,6,7,8-HxCDF	3.82e5	7.48e5	1.24	1.21	NO	1.0080	33.40	33.41	NO	1.000	1.000	50.7	101	NO
13	2,3,4,6,7,8-HxCDF	3.36e5	6.78e5	1.24	1.23	NO	0.9907	34.06	34.08	NO	1.000	1.001	50.1	100	NO
14	1,2,3,7,8,9-HxCDF	2.70e5	5.64e5	1.24	1.25	NO	0.9506	35.06	35.08	NO	1.000	1.001	50.3	101	NO
15	1,2,3,4,6,7,8-HpCDF	2.58e5	5.13e5	1.04	1.01	NO	0.9906	36.64	36.65	NO	1.000	1.001	50.3	101	NO
16	1,2,3,4,7,8,9-HpCDF	2.11e5	3.71e5	1.04	1.01	NO	1.1238	38.67	38.68	NO	1.000	1.000	50.6	101	NO
17	OCDF	3.82e5	8.88e5	0.89	0.87	NO	0.8682	41.29	41.29	NO	1.000	1.000	99.1	99.1	NO
18	13C-1,2,3,7,8-TCDD	9.66e5	8.79e5	0.77	0.79	NO	1.1089	26.13	26.13	NO	1.030	1.030	99.1	99.1	NO
19	13C-1,2,3,7,8-PeCDD	7.18e5	6.79e5	0.63	0.63	NO	0.8585	30.86	30.86	NO	1.216	1.216	95.2	95.2	NO
20	13C-1,2,3,4,7,8-HxCDD	5.34e5	7.47e5	1.24	1.26	NO	0.8997	34.18	34.17	NO	1.014	1.014	102	102	NO
21	13C-1,2,3,6,7,8-HxCDD	6.83e5	7.47e5	1.24	1.25	NO	0.8327	34.31	34.29	NO	1.016	1.017	110	110	NO



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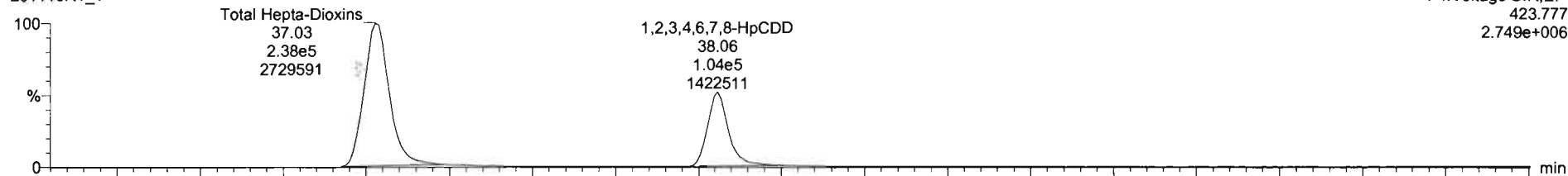
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Printed: Friday, November 13, 2020 3:21:00 PM Pacific Standard Time

Name: 201113R1_1, Date: 13-Nov-2020, Time: 07:21:03, ID: ST201113R1_1 1613 CS3 20F1105, Description: 1613 CS3 20F1105

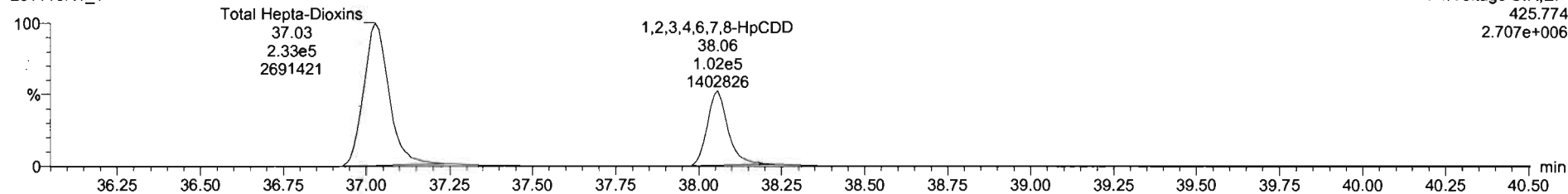
1,2,3,4,6,7,8-HpCDD

201113R1_1



F4:Voltage SIR,EI+
423.777
2.749e+006

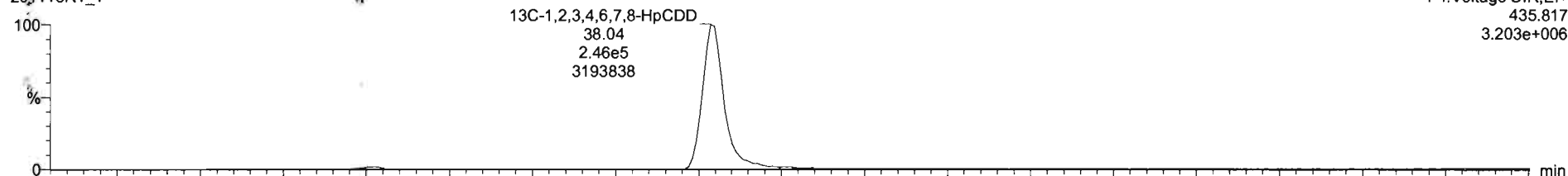
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F4:Voltage SIR,EI+
425.774
2.707e+006

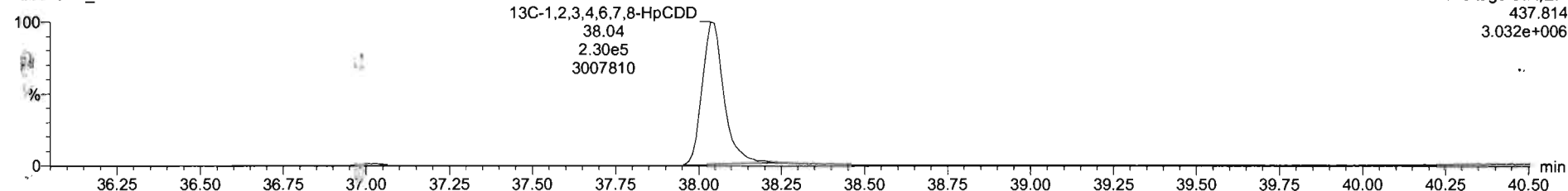
13C-1,2,3,4,6,7,8-HpCDD

201113R1_1



F4:Voltage SIR,EI+
435.817
3.203e+006

201113R1_1



F4:Voltage SIR,EI+
437.814
3.032e+006

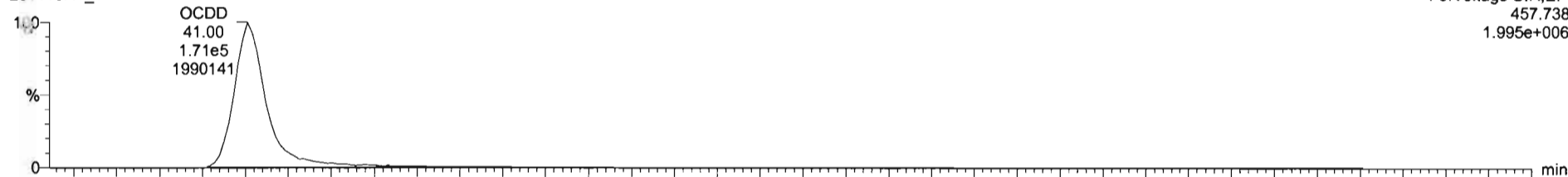
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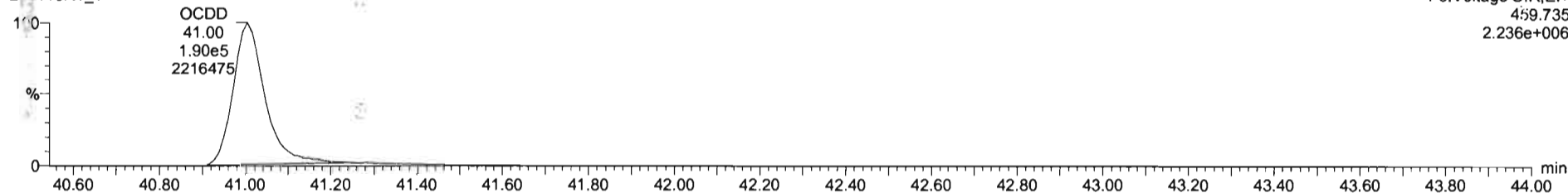
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OCDD

201113R1_1

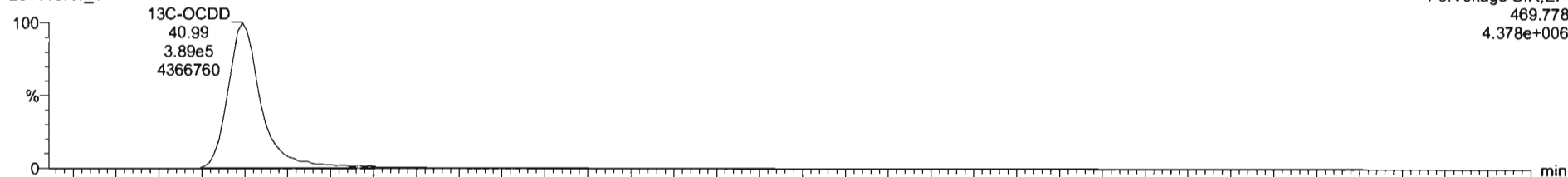


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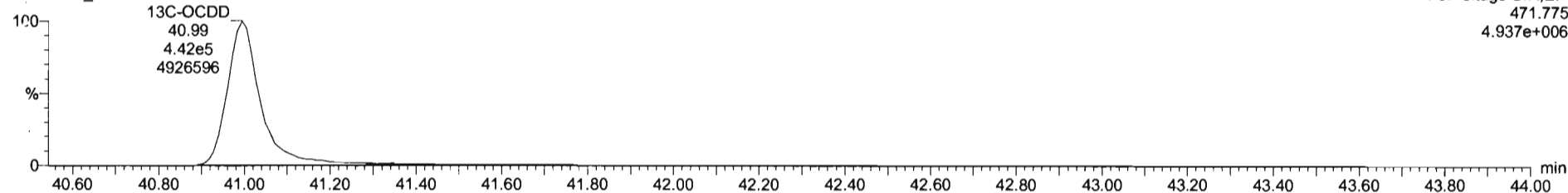


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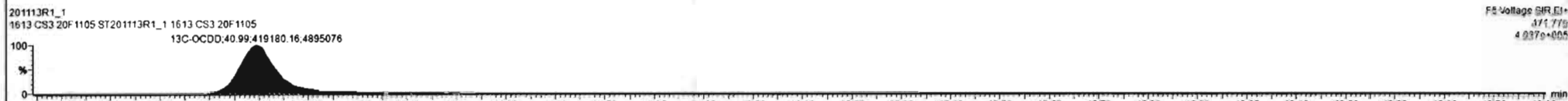
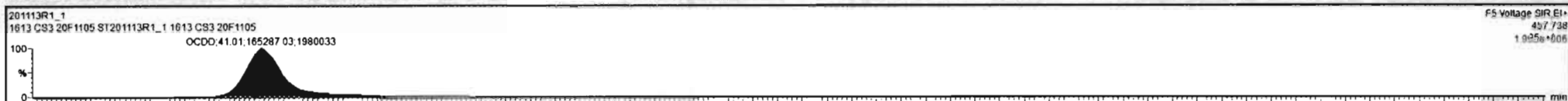
201113R1_1



201113R1_1



#	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	9.49e4	9.66e5	0.77	0.79	NI	0.9501	26.16	26.16	NO	1.001	1.001	10.4	104	NO
2	1,2,3,7,8-PeCDD	3.40e5	7.18e5	0.63	0.61	NO	0.8855	30.86	30.88	NO	1.000	1.001	53.5	107	NO
3	1,2,3,4,7,8-HxCDD	2.82e5	5.34e5	1.24	1.22	NI	1.0176	34.18	34.19	NO	1.000	1.001	51.9	104	NO
4	1,2,3,6,7,8-HxCDD	3.05e5	6.83e5	1.24	1.24	NO	0.9145	34.30	34.30	NO	1.000	1.000	48.9	97.8	NO
5	1,2,3,7,8,9-HxCDD	2.77e5	5.92e5	1.24	1.24	NO	0.9345	34.57	34.57	NO	1.000	1.000	50.2	100	NO
6	1,2,3,4,6,7,8-HpCDD	2.06e5	4.76e5	1.04	1.02	NO	0.8697	38.04	38.06	NO	1.000	1.001	49.7	99.3	NO
7	OCDD	3.55e5	7.93e5	0.89	0.87	NI	0.8717	40.99	41.01	NO	1.000	1.000	105	103	NO
8	2,3,7,8-TCDF	1.02e5	1.30e6	0.77	0.76	NI	0.8243	25.45	25.46	NO	1.000	1.001	9.49	94.9	NO
9	1,2,3,7,8-PeCDF	5.11e5	1.05e6	1.55	1.57	NO	0.9626	29.60	29.61	NO	1.000	1.001	50.4	101	NO
10	2,3,4,7,8-PeCDF	5.57e5	1.03e6	1.55	1.55	NO	1.0684	30.66	30.67	NO	1.000	1.001	50.6	101	NO
11	1,2,3,4,7,8-HxCDF	3.32e5	6.92e5	1.24	1.20	NI	0.9535	33.26	33.28	NO	1.000	1.001	50.3	101	NO
12	1,2,3,6,7,8-HxCDF	3.62e5	7.48e5	1.24	1.21	NO	1.0080	33.40	33.41	NO	1.000	1.000	50.7	101	NO
13	2,3,4,6,7,8-HxCDF	3.36e5	6.78e5	1.24	1.23	NO	0.9907	34.06	34.08	NO	1.000	1.001	50.1	100	NO
14	1,2,3,7,8,9-HxCDF	2.70e5	5.84e5	1.24	1.25	NO	0.9506	35.06	35.08	NO	1.000	1.001	50.3	101	NO
15	1,2,3,4,6,7,8-HpCDF	2.58e5	5.13e5	1.04	1.01	NO	0.9986	36.64	36.65	NO	1.000	1.001	50.3	101	NO
16	1,2,3,4,7,8,9-HpCDF	2.11e5	3.71e5	1.04	1.01	NO	1.1238	38.67	38.68	NO	1.000	1.000	50.6	101	NO
17	OCDF	3.82e5	6.88e5	0.89	0.87	NO	0.8682	41.29	41.29	NO	1.000	1.000	99.1	99.1	NO
18	13C-2,3,7,8-TCDD	9.66e5	8.79e5	0.77	0.79	NI	1.1089	26.13	26.13	NO	1.030	1.030	99.1	99.1	NO
19	1,2,3,7,8-PeCDD	7.18e5	6.79e5	0.63	0.63	NI	0.8585	30.86	30.86	NO	1.216	1.216	95.2	95.2	NO
20	1,2,3,4,7,8-HxCDD	5.34e5	7.47e5	1.24	1.26	NI	0.6997	34.18	34.17	NO	1.014	1.014	102	102	NO
21	13C-1,2,3,6,7,8-HxCDD	6.83e5	7.47e5	1.24	1.25	NO	0.8327	34.31	34.29	NO	1.018	1.017	110	110	NO



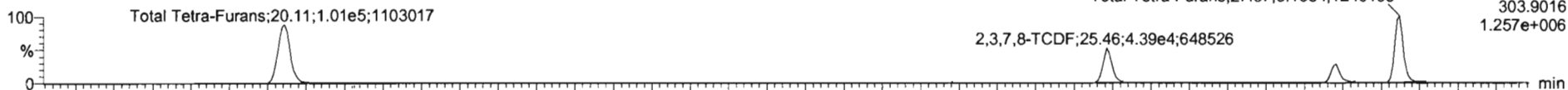
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Printed: Friday, November 13, 2020 3:21:00 PM Pacific Standard Time

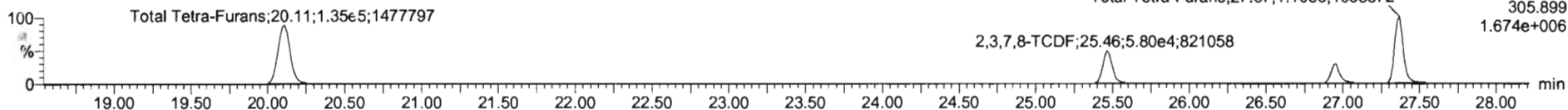
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2,3,7,8-TCDF

201113R1_1

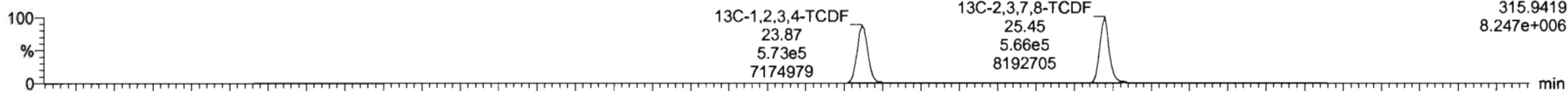


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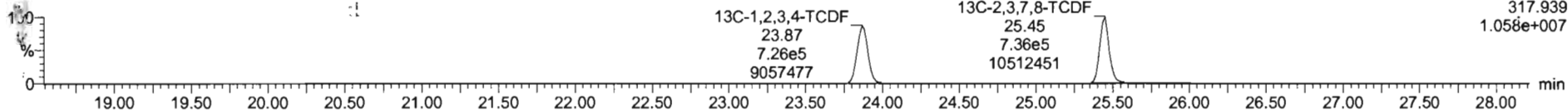


13C-2,3,7,8-TCDF

201113R1_1

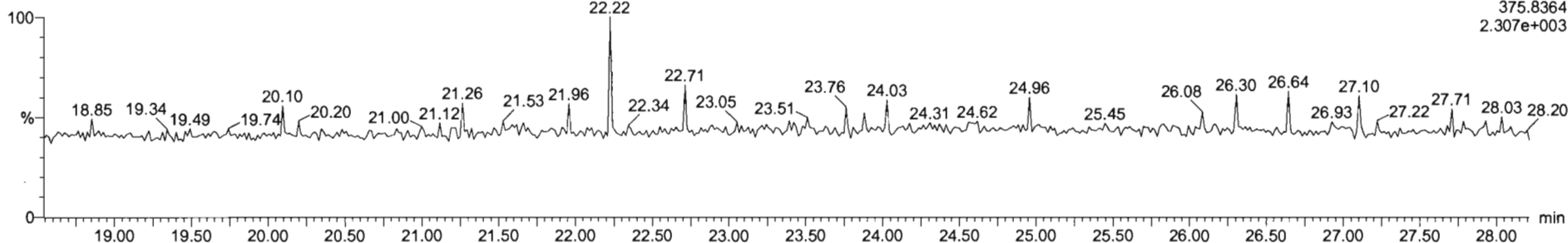


201113R1_1



DPE1

201113R1_1



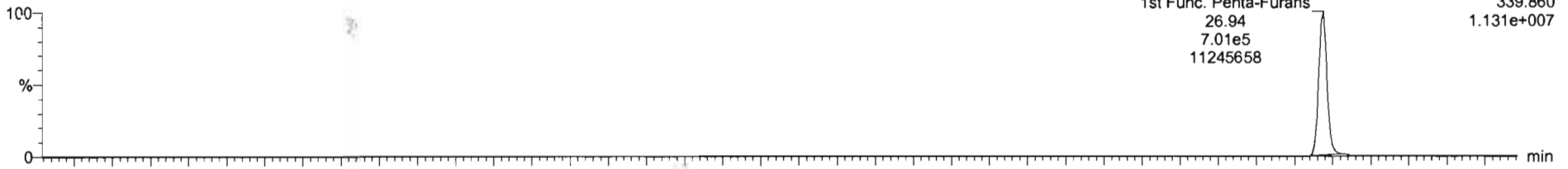
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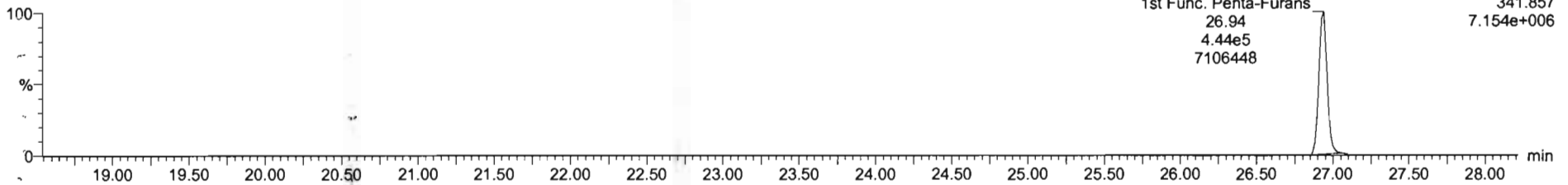
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1st Func. Penta-Furans

201113R1_1

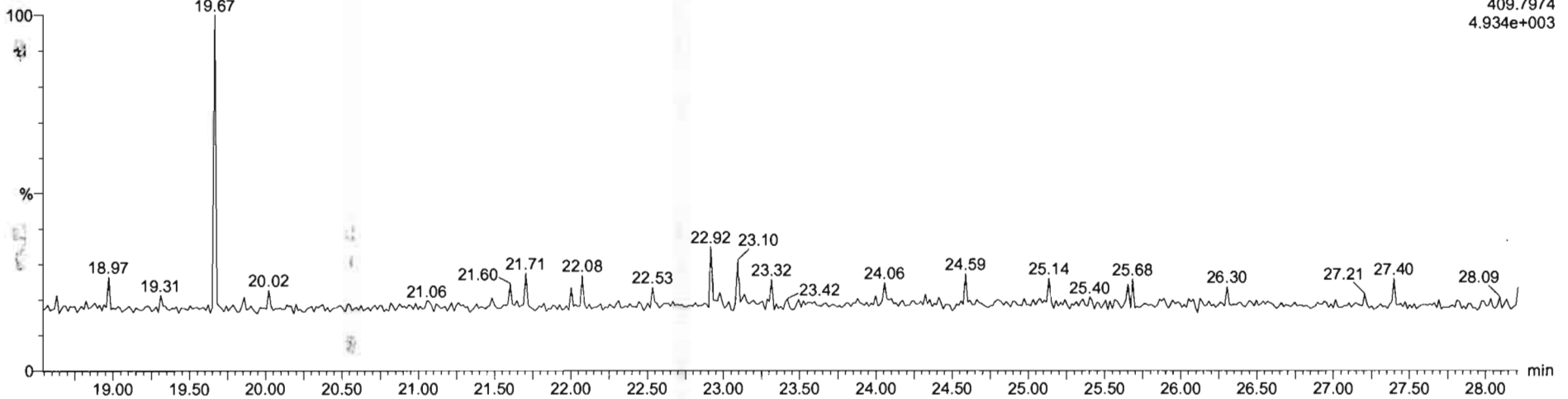


201113R1_1



DPE6

201113R1_1



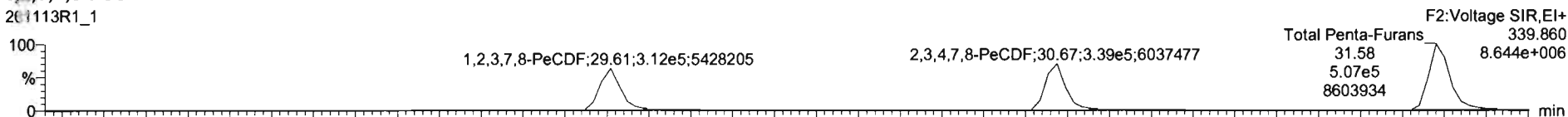
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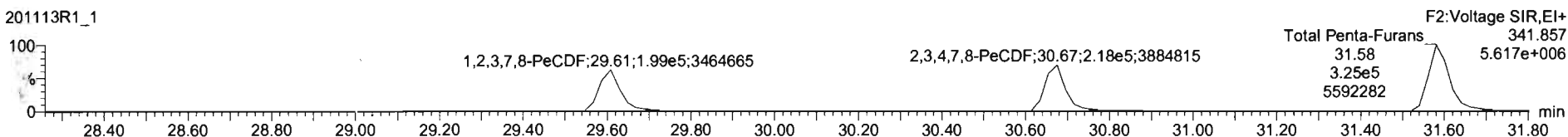
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1,2,3,7,8-PeCDF

201113R1_1

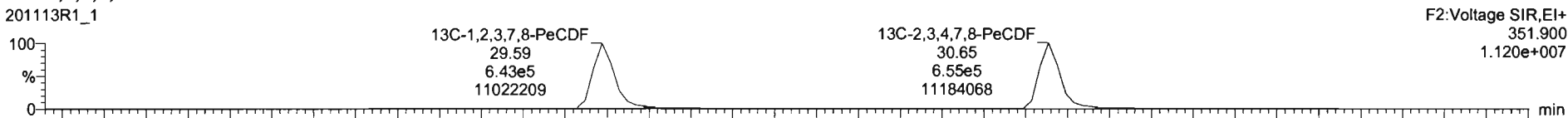


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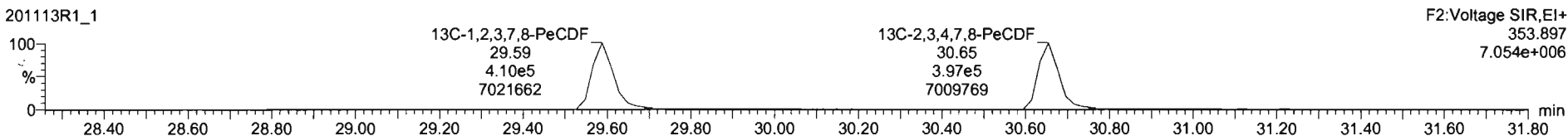


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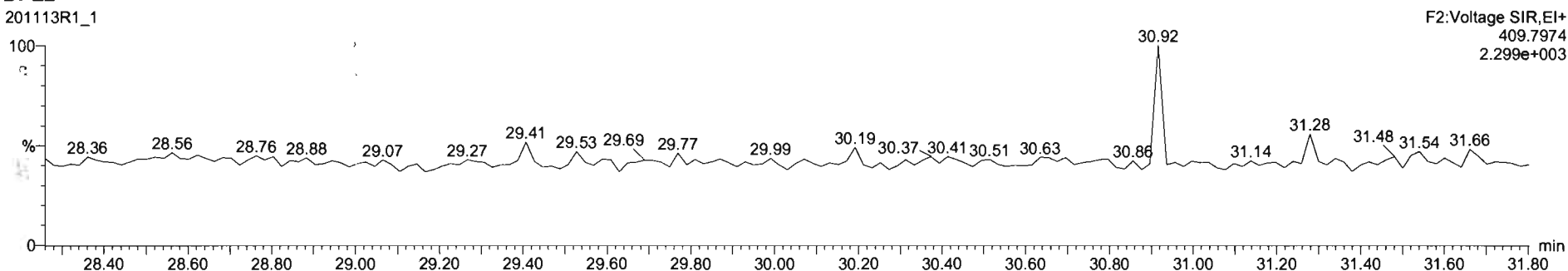


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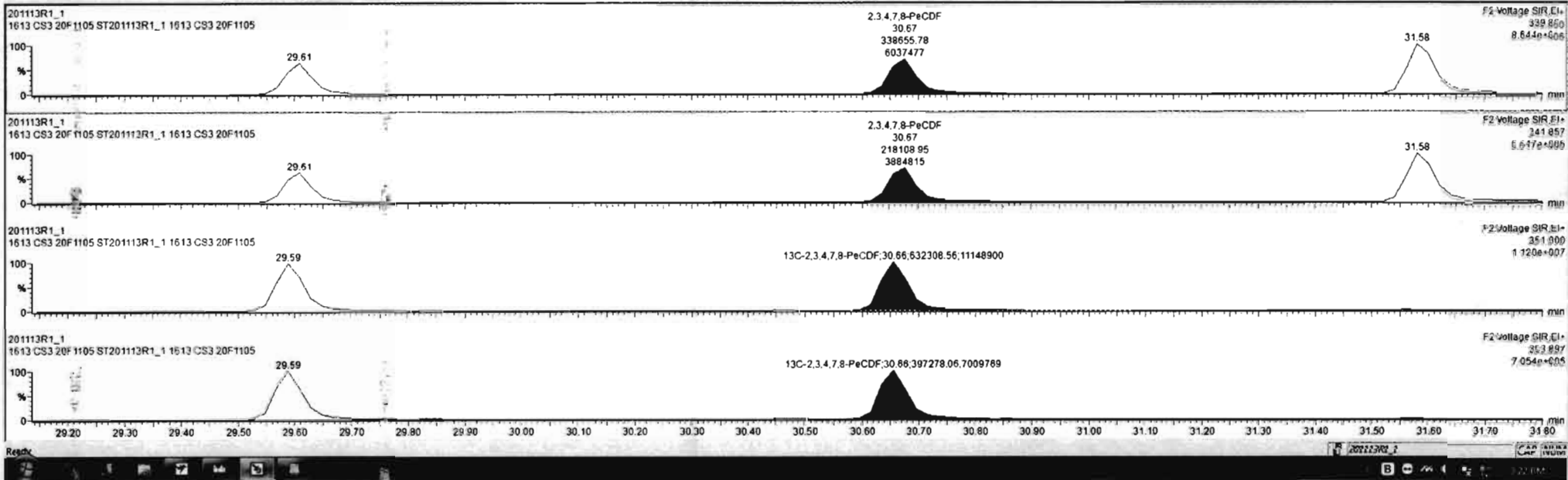


DPE2

201113R1_1



#	Name	Reso	IS Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	1,2,3,7,8-TCDD	9.49e4	9.66e5	0.77	0.79	NO	0.9501	28.16	28.16	NO	1.001	1.001	10.4	104	NO
2	1,2,3,7,8-PeCDD	3.40e5	7.18e5	0.63	0.61	NO	0.6655	30.86	30.88	NO	1.000	1.001	53.5	107	NO
3	1,2,3,4,7,8-HxCDD	2.82e5	5.34e5	1.24	1.22	NO	1.0178	34.18	34.19	NO	1.000	1.001	51.9	104	NO
4	1,2,3,6,7,8-HxCDD	3.05e5	6.83e5	1.24	1.24	NO	0.9145	34.30	34.30	NO	1.000	1.000	48.9	97.8	NO
5	1,2,3,7,8,9-HxCDD	2.77e5	5.92e5	1.24	1.24	NO	0.9345	34.57	34.57	NO	1.000	1.000	50.2	100	NO
6	1,2,3,4,6,7,8-HpCDD	2.06e5	4.76e5	1.04	1.02	NO	0.8697	38.04	38.06	NO	1.000	1.001	49.7	99.3	NO
7	OCDD	3.55e5	7.93e5	0.89	0.87	NO	0.8717	40.99	41.01	NO	1.000	1.000	103	103	NO
8	2,3,7,8-TCDF	1.02e5	1.30e6	0.77	0.76	NO	0.8243	25.45	25.46	NO	1.000	1.001	9.49	94.9	NO
9	1,2,3,7,8-PeCDF	5.11e5	1.05e6	1.55	1.57	NO	0.9626	29.60	29.61	NO	1.000	1.001	58.4	101	NO
10	2,3,4,7,8-PeCDF	5.57e5	1.03e6	1.55	1.55	NO	1.0064	30.66	30.67	NO	1.000	1.001	50.8	101	NO
11	1,2,3,4,7,8-HxCDF	3.32e5	6.92e5	1.24	1.20	NO	0.9535	32.26	32.28	NO	1.000	1.001	50.3	101	NO
12	1,2,3,6,7,8-HxCDF	3.62e5	7.48e5	1.24	1.21	NO	1.0080	33.40	33.41	NO	1.000	1.000	50.7	101	NO
13	2,3,4,6,7,8-HxCDF	3.36e5	6.78e5	1.24	1.23	NO	0.9907	34.06	34.08	NO	1.000	1.001	50.1	100	NO
14	1,2,3,7,8,9-HxCDF	2.70e5	5.64e5	1.24	1.25	NO	0.9506	35.06	35.08	NO	1.000	1.001	50.3	101	NO
15	1,2,3,4,6,7,8-HpCDF	2.58e5	5.13e5	1.04	1.01	NO	0.8986	36.64	36.65	NO	1.000	1.001	50.3	101	NO
16	1,2,3,4,7,8,9-HpCDF	2.11e5	3.71e5	1.04	1.01	NO	1.1238	38.87	38.88	NO	1.000	1.000	50.6	101	NO
17	OCDF	3.62e5	6.88e5	0.89	0.87	NO	0.8662	41.29	41.29	NO	1.000	1.000	99.1	99.1	NO
18	13C-2,3,7,8-TCDD	8.66e5	8.79e5	0.77	0.79	NO	1.1089	26.13	26.13	NO	1.030	1.030	96.1	99.1	NO
19	13C-1,2,3,7,8-PeCDD	7.16e5	8.79e5	0.63	0.63	NO	0.8585	30.86	30.86	NO	1.216	1.216	95.2	95.2	NO
20	13C-1,2,3,4,7,8-HxCDD	5.34e5	7.47e5	1.24	1.26	NO	0.6997	34.18	34.17	NO	1.014	1.014	102	102	NO
21	13C-1,2,3,6,7,8-HxCDD	6.63e5	7.47e5	1.24	1.25	NO	0.6327	34.31	34.29	NO	1.018	1.017	110	110	NO

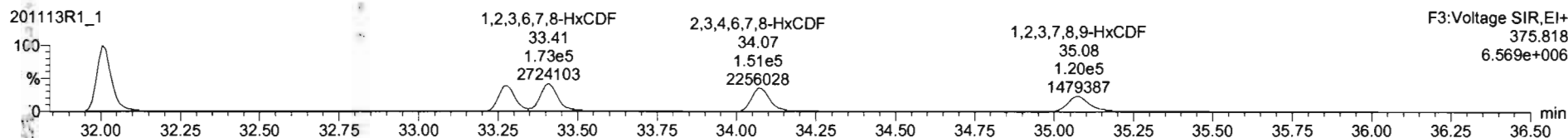
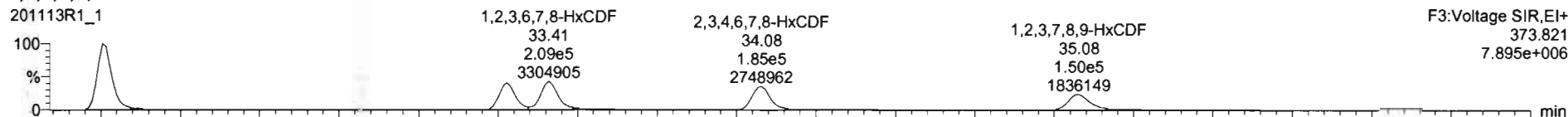


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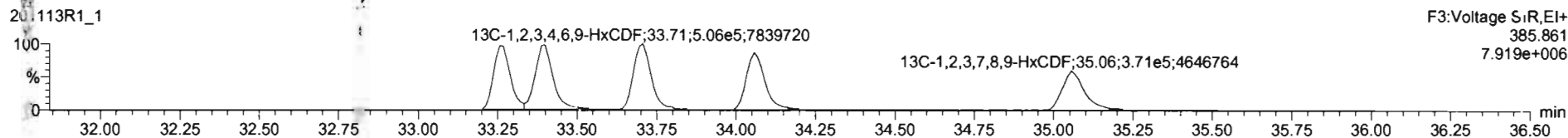
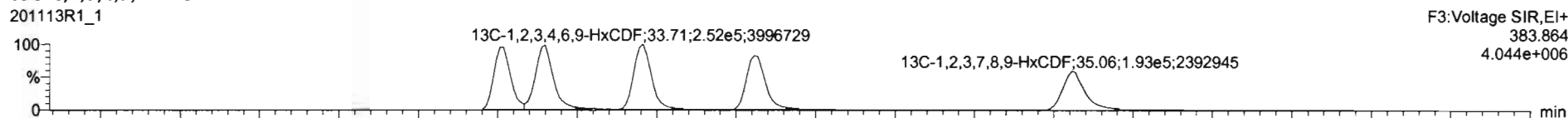
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Name: 201113R1_1, Date: 13-Nov-2020, Time: 07:21:03, ID: ST201113R1_1 1613 CS3 20F1105, Description: 1613 CS3 20F1105

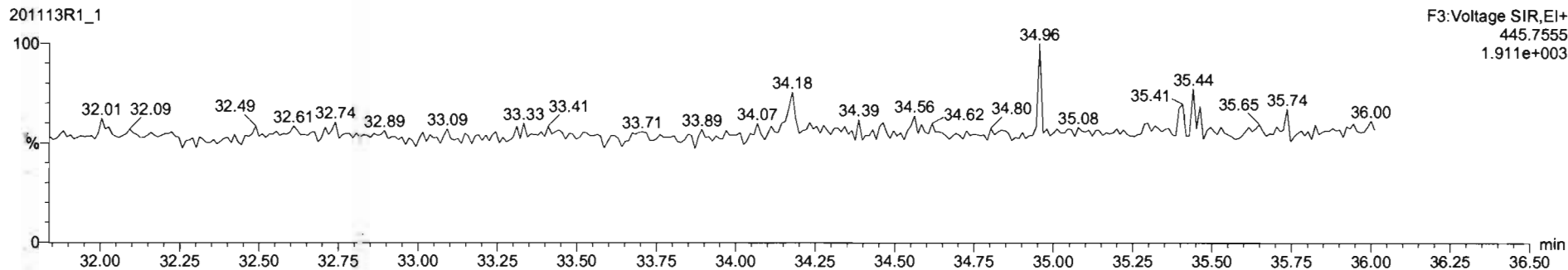
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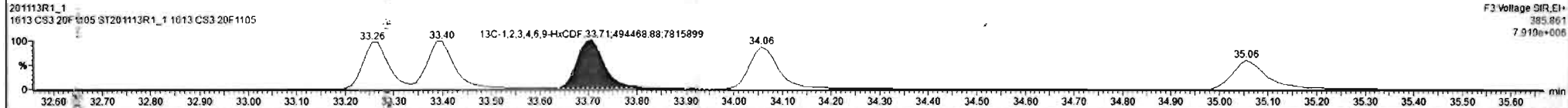
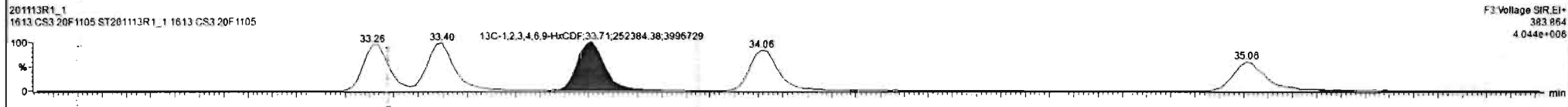
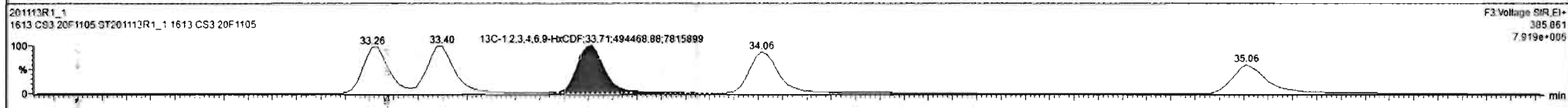
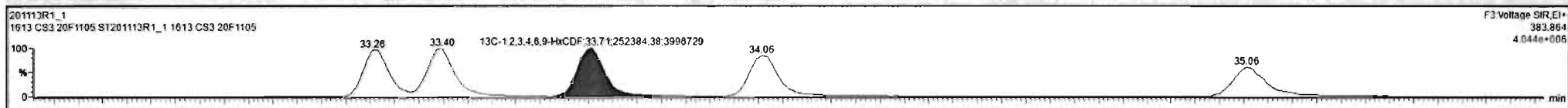
13C-1,2,3,4,7,8-HxCDF



DPE3



#	Name	Resp	IS Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
23	13C-1,2,3,4,6,7,8-HpCDD	4.76e5	7.47e5	1.04	1.07	NO	0.5498	33.04	33.04	NO	1.129	1.126	93.2	96.2	NO
24	13C-OCDD	7.93e5	7.47e5	0.89	0.89	NO	0.5394	41.01	40.99	NO	1.217	1.216	197	98.5	NO
25	13C-2,3,7,8-TCDF	1.30e6	1.30e6	0.77	0.77	NO	0.9814	25.45	25.45	NO	1.003	1.003	102	102	NO
26	13C-1,2,3,7,8-PeCDF	1.05e6	1.30e6	1.55	1.57	NO	0.7917	29.59	29.59	NO	1.166	1.166	102	102	NO
27	13C-2,3,4,7,8-PeCDF	1.03e6	1.30e6	1.55	1.59	NO	0.7777	30.65	30.66	NO	1.206	1.208	102	102	NO
28	13C-1,2,3,4,7,8-HxCDF	6.92e5	7.47e5	0.51	0.50	NO	0.9537	33.28	33.28	NO	0.987	0.987	97.1	97.1	NO
29	13C-1,2,3,6,7,8-HxCDF	7.48e5	7.47e5	0.51	0.51	NO	1.0059	33.40	33.40	NO	0.991	0.991	99.5	99.5	NO
30	13C-2,3,4,6,7,8-HxCDF	6.78e5	7.47e5	0.51	0.50	NO	0.9210	34.07	34.06	NO	1.011	1.010	98.5	98.5	NO
31	13C-1,2,3,7,8,9-HxCDF	5.64e5	7.47e5	0.51	0.52	NO	0.8034	35.06	35.06	NO	1.040	1.040	94.1	94.1	NO
32	13C-1,2,3,4,6,7,8-HpCDF	5.13e5	7.47e5	0.44	0.43	NO	0.7355	36.64	36.63	NO	1.087	1.087	93.5	93.5	NO
33	13C-1,2,3,4,7,8,9-HpCDF	3.71e5	7.47e5	0.44	0.43	NO	0.5876	38.67	38.67	NO	1.147	1.147	87.4	87.4	NO
34	13C-OCDF	8.88e5	7.47e5	0.89	0.87	NO	0.6292	41.30	41.28	NO	1.225	1.225	199	94.5	NO
35	2,3,7,8-TCDD	9.96e4	8.79e5				1.0878	26.13	26.16	NO	1.020	1.031	10.4	104	NO
36	1,2,3,4-TCDD	8.79e5	8.79e5	0.77	0.80	NO	1.0000	25.37	25.37	NO	1.000	1.000	100	100	NO
37	1,2,3,4-TCDF	1.30e5	1.30e5	0.77	0.79	NO	1.0000	23.87	23.86	NO	1.000	1.000	100	100	NO
38	13C-1,2,3,4,6,9-HxCDF	7.47e5	7.47e5	0.51	0.51	NO	1.0000	33.71	33.71	NO	1.000	1.000	100	100	YES
39	Total Tetra-Dioxins		9.66e5				0.9501	24.62		NO	0.900		105		NO
40	Total Penta-Dioxins		7.18e5				0.8855	29.86		NO	0.000		282		NO
41	Total Hexa-Dioxins		0.00e0				0.9145	33.83		NO	0.000		282		NO
42	Total Hepta-Dioxins		4.76e5				0.8697	37.84		NO	0.000		164		NO
43	Total Tetra-Furans		1.30e5				0.8243	23.61		NO	0.000		54.9		NO

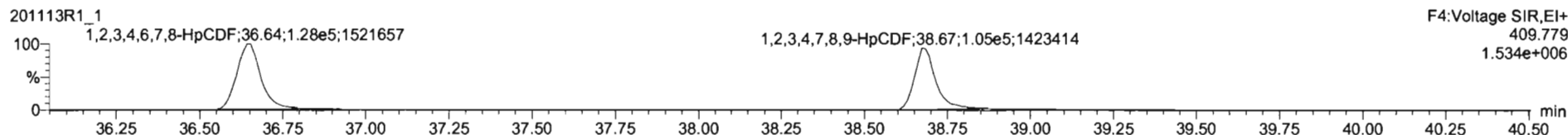
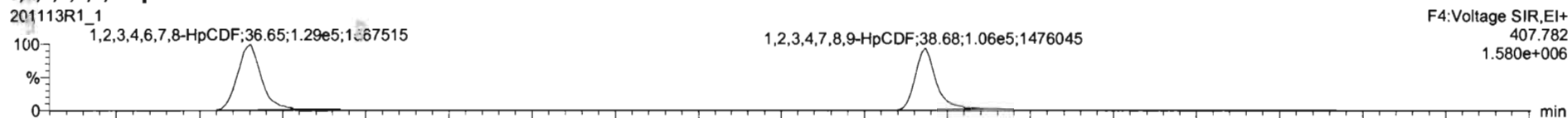


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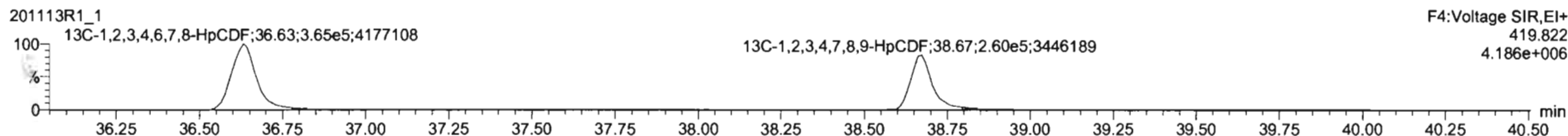
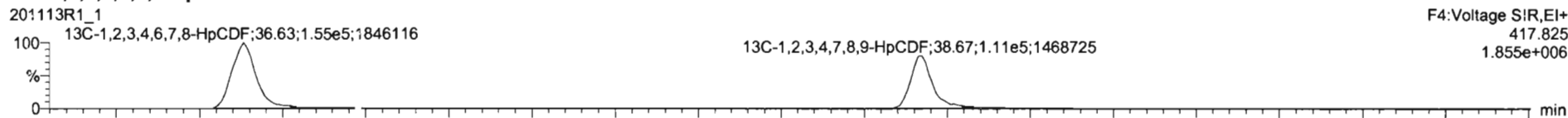
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Printed: Friday, November 13, 2020 3:21:00 PM Pacific Standard Time

Name: 201113R1_1, Date: 13-Nov-2020, Time: 07:21:03, ID: ST201113R1_1 1613 CS3 20F1105, Description: 1613 CS3 20F1105

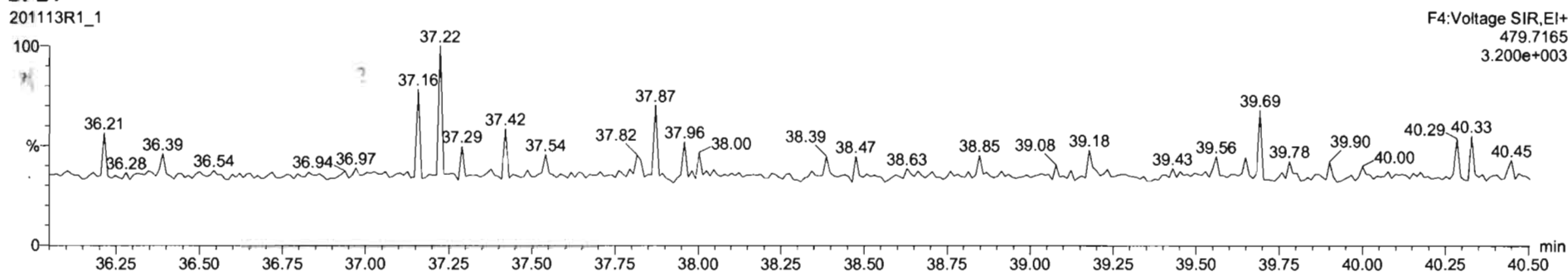
1,2,3,4,6,7,8-HpCDF



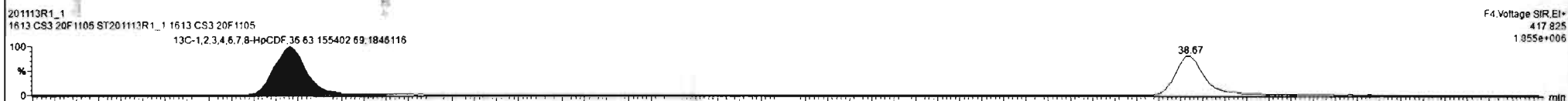
13C-1,2,3,4,6,7,8-HpCDF



DPE4



#	Name	Resp	IS Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	2,3,7,8-TCDD	9.49e4	9.66e5	0.77	0.79	NO	0.9501	26.16	26.16	NO	1.001	1.001	10.4	104	NO
2	1,2,3,7,8-PeCDD	3.40e5	7.18e5	0.63	0.61	NO	0.8855	30.86	30.88	NO	1.000	1.001	53.5	107	NO
3	1,2,3,4,6,7,8-HxCDD	2.62e5	5.34e5	1.24	1.22	NO	1.0176	34.18	34.19	NO	1.000	1.001	51.9	104	NO
4	1,2,3,6,7,8-HxCDD	3.05e5	6.83e5	1.24	1.24	NO	0.9145	34.30	34.30	NO	1.000	1.000	48.9	97.8	NO
5	1,2,3,7,8,9-HxCDD	2.77e5	5.92e5	1.24	1.24	NO	0.9345	34.57	34.57	NO	1.000	1.000	50.2	100	NO
6	1,2,3,4,6,7,8-HpCDD	2.06e5	4.76e5	1.04	1.02	NO	0.8997	38.04	38.06	NO	1.000	1.001	49.7	99.3	NO
7	OCDD	3.55e5	7.93e5	0.89	0.87	NO	0.8717	40.99	41.01	NO	1.000	1.000	103	103	NO
8	2,3,7,8-TCDF	1.02e5	1.30e5	0.77	0.76	NO	0.8243	25.45	25.46	NO	1.000	1.001	9.49	94.9	NO
9	1,2,3,7,8-PeCDF	5.11e5	1.05e6	1.55	1.57	NO	0.9626	29.60	29.61	NO	1.000	1.001	50.4	101	NO
10	2,3,4,7,8-PeCDF	5.57e5	1.03e6	1.55	1.55	NO	1.0684	30.66	30.67	NO	1.000	1.001	50.6	101	NO
11	1,2,3,4,7,8-HxCDF	3.32e5	6.92e5	1.24	1.20	NO	0.9535	33.26	33.28	NO	1.000	1.001	50.3	101	NO
12	1,2,3,6,7,8-HxCDF	3.62e5	7.48e5	1.24	1.21	NO	1.0080	33.40	33.41	NO	1.000	1.000	50.7	101	NO
13	2,3,4,6,7,8-HxCDF	3.36e5	6.76e5	1.24	1.23	NO	0.9907	34.06	34.08	NO	1.000	1.001	50.1	100	NO
14	1,2,3,7,8,9-HxCDF	2.70e5	5.84e5	1.24	1.25	NO	0.9508	35.06	35.08	NO	1.000	1.001	50.3	101	NO
15	1,2,3,4,6,7,8-HpCDF	2.58e5	5.13e5	1.04	1.01	NO	0.9906	36.64	36.65	NO	1.000	1.001	50.3	101	NO
16	1,2,3,4,7,8,9-HpCDF	2.11e5	3.71e5	1.04	1.01	NO	1.1238	38.67	38.68	NO	1.000	1.000	50.6	101	NO
17	OCDF	3.62e5	8.89e5	0.89	0.87	NO	0.8682	41.29	41.29	NO	1.000	1.000	99.1	99.1	NO
18	1,2,3,7,8-TCDD	9.66e5	8.79e5	0.77	0.79	NO	1.1089	26.13	26.13	NO	1.030	1.030	99.1	99.1	NO
19	13C-1,2,3,7,8-PeCDD	7.18e5	8.79e5	0.63	0.63	NO	0.8565	30.86	30.86	NO	1.216	1.216	95.2	95.2	NO
20	13C-1,2,3,4,7,8-HxCDD	5.34e5	7.47e5	1.24	1.28	NO	0.9997	34.18	34.17	NO	1.014	1.014	102	102	NO
21	13C-1,2,3,6,7,8-HxCDD	6.83e5	7.47e5	1.24	1.25	NO	0.8327	34.31	34.29	NO	1.018	1.017	110	110	NO

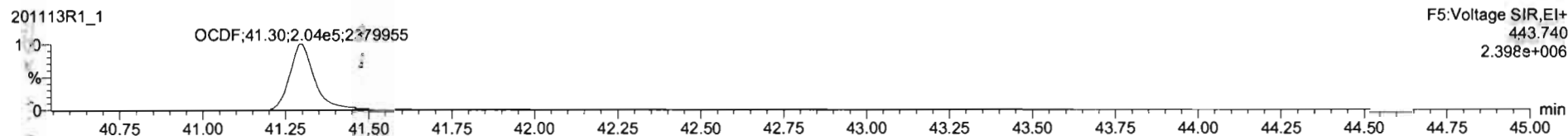
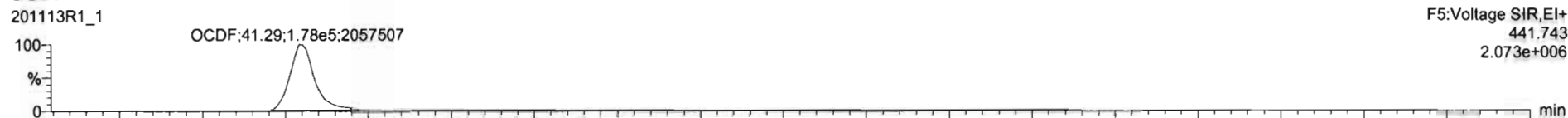


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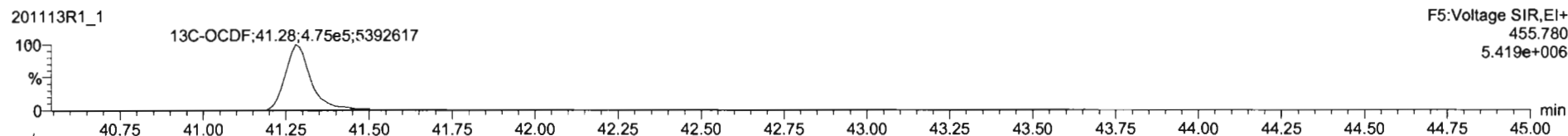
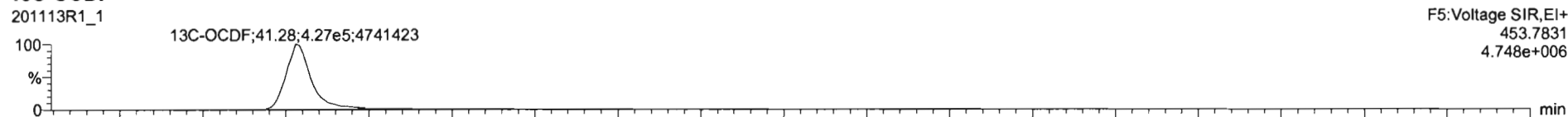
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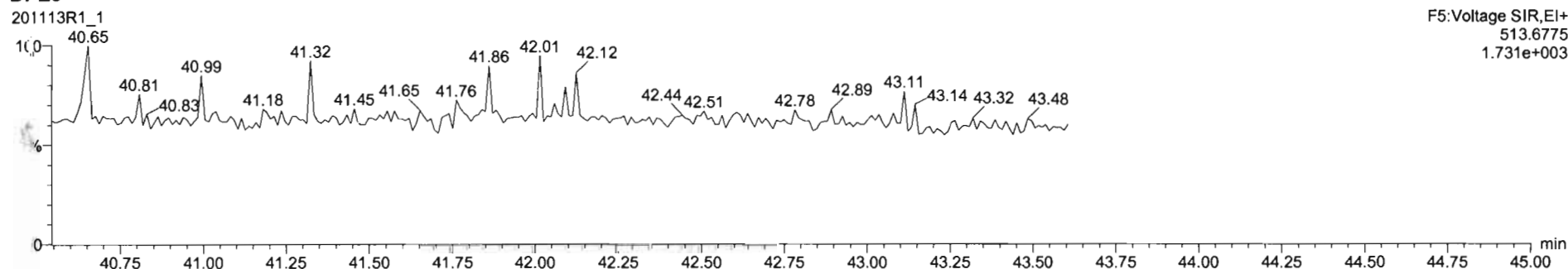
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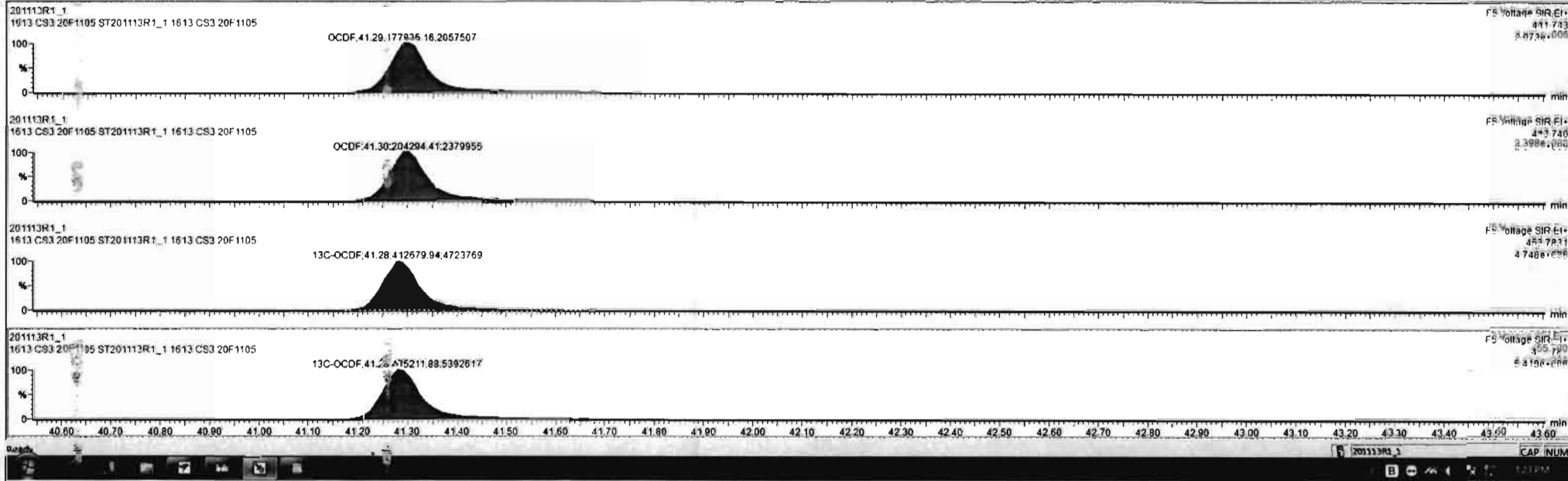
13C-OCDF



DPE5



#	Name	Resp	IS Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred RRT	IRRT	Conc	%Rec	STD out
1	1,2,3,7,8-TCDD	9.49e4	9.66e5	0.77	0.79	NO	0.9501	26.16	26.16	NO	1.001	1.001	10.4	104	NO
2	1,2,3,7,8-PeCDD	3.40e5	7.18e5	0.63	0.61	NO	0.8855	30.86	30.86	NO	1.000	1.001	53.5	107	NO
3	1,2,3,4,7,8-HxCDD	2.82e5	5.34e5	1.24	1.22	NO	1.0176	34.16	34.19	NO	1.000	1.001	51.9	104	NO
4	1,2,3,6,7,8-HxCDD	3.05e5	6.83e5	1.24	1.24	NO	0.9145	34.30	34.30	NO	1.000	1.000	48.9	97.8	NO
5	1,2,3,7,8,9-HxCDD	2.77e5	5.92e5	1.24	1.24	NO	0.9345	34.57	34.57	NO	1.000	1.000	50.2	100	NO
6	1,2,3,4,6,7,8-HpCDD	2.06e5	4.78e5	1.04	1.02	NO	0.8697	35.04	35.06	NO	1.000	1.001	49.7	99.3	NO
7	OCDF	3.55e5	7.93e5	0.89	0.87	NO	0.8717	40.99	41.01	NO	1.000	1.000	103	103	NO
8	2,3,7,8-TCDF	1.02e5	1.30e6	0.77	0.76	NO	0.8243	25.45	25.46	NO	1.000	1.001	9.49	94.9	NO
9	1,2,3,7,8-PeCDF	5.11e5	1.05e6	1.55	1.57	NO	0.9626	29.60	29.61	NO	1.000	1.001	50.4	101	NO
10	1,2,3,4,7,8-PeCDF	5.57e5	1.03e6	1.55	1.55	NO	1.0684	30.66	30.67	NO	1.000	1.001	50.6	101	NO
11	1,2,3,4,7,8-HxCDF	3.32e5	6.92e5	1.24	1.20	NO	0.9535	33.26	33.26	NO	1.000	1.001	50.3	101	NO
12	1,2,3,6,7,8-HxCDF	3.82e5	7.48e5	1.24	1.21	NO	1.0080	33.40	33.41	NO	1.000	1.000	50.7	101	NO
13	2,3,4,6,7,8-HxCDF	3.36e5	6.78e5	1.24	1.23	NO	0.9907	34.06	34.06	NO	1.000	1.001	50.1	100	NO
14	1,2,3,7,8,9-HxCDF	2.70e5	5.64e5	1.24	1.25	NO	0.9508	35.08	35.08	NO	1.000	1.001	50.3	101	NO
15	1,2,3,4,6,7,8-HpCDF	2.58e5	5.13e5	1.04	1.01	NO	0.9886	36.84	36.65	NO	1.000	1.001	50.3	101	NO
16	1,2,3,4,7,8,9-HpCDF	2.11e5	3.71e5	1.04	1.01	NO	1.1236	35.87	35.85	NO	1.000	1.000	50.6	101	NO
17	OCDF	3.52e5	6.86e5	0.89	0.87	NO	0.8682	41.29	41.29	NO	1.000	1.000	99.1	99.1	NO
18	13C-2,3,7,8-TCDD	9.66e5	8.79e5	0.77	0.79	NO	1.1089	26.13	26.13	NO	1.030	1.030	99.1	99.1	NO
19	13C-1,2,3,7,8-PeCDD	7.18e5	8.79e5	0.63	0.63	NO	0.8585	30.86	30.86	NO	1.216	1.216	95.2	95.2	NO
20	13C-1,2,3,4,7,8-HxCDD	5.34e5	7.47e5	1.24	1.28	NO	0.6997	34.18	34.17	NO	1.014	1.014	102	102	NO
21	13C-1,2,3,6,7,8-HxCDD	6.83e5	7.47e5	1.24	1.25	NO	0.8327	34.31	34.29	NO	1.018	1.017	110	110	NO

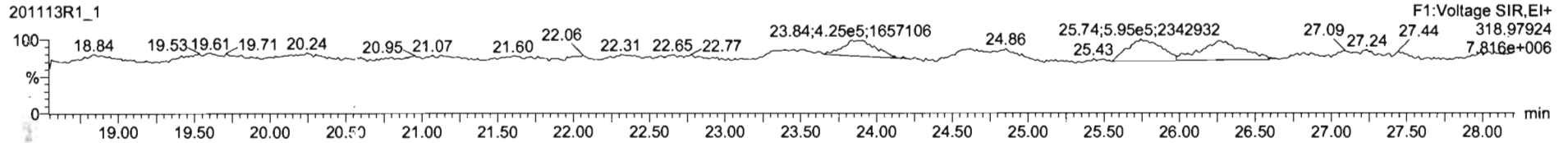


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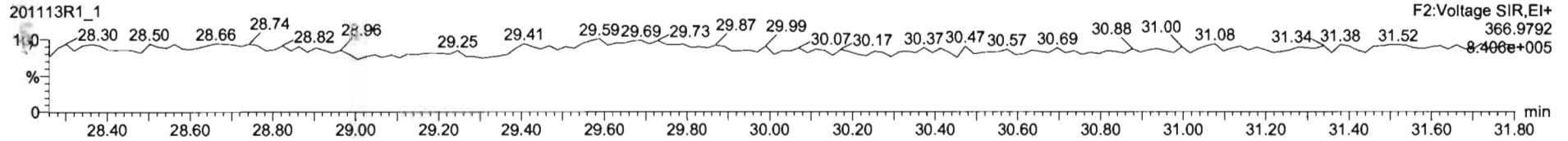
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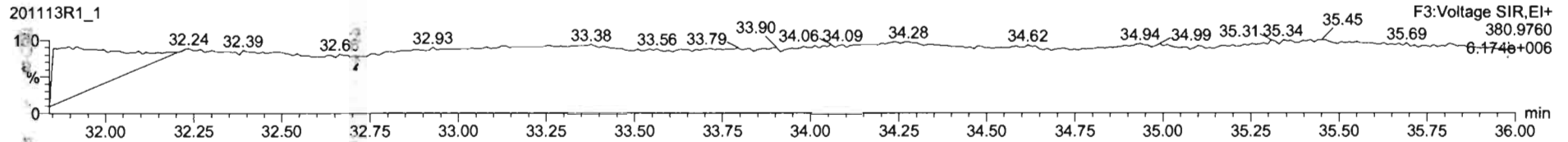
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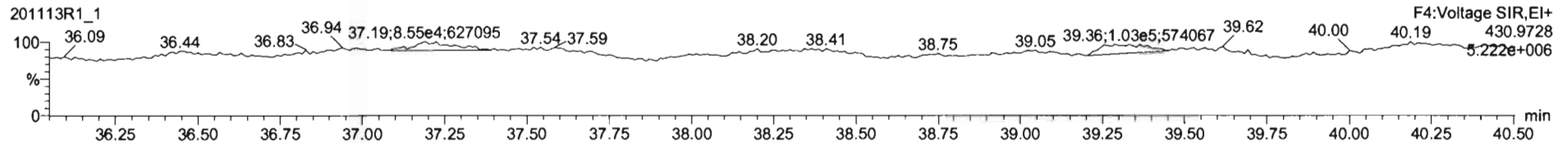
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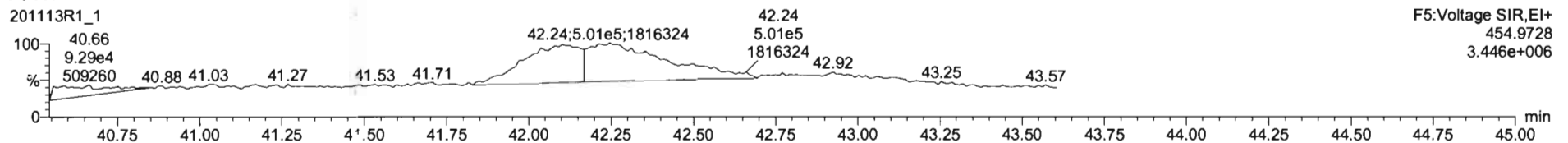
PFK3



PFK4

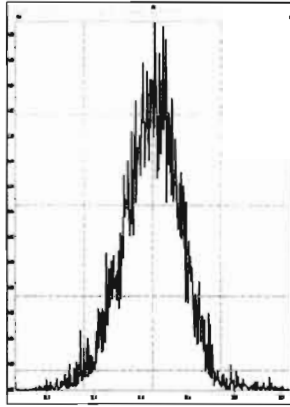


PFK5

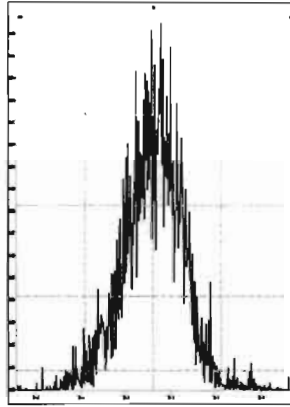


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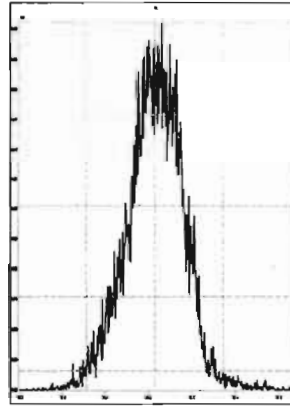
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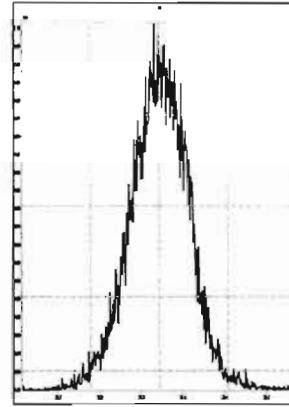
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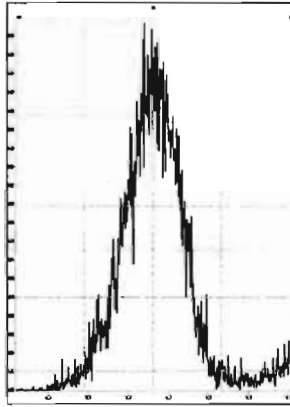
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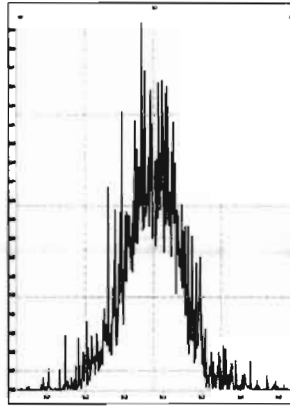
M 330.9792 R 10712



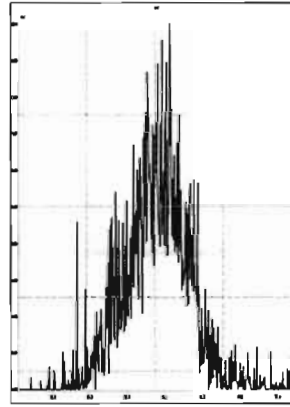
M 342.9792 R 11656



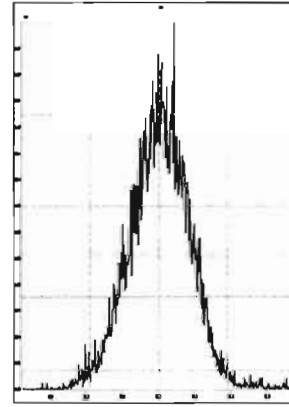
M 354.9792 R 12001



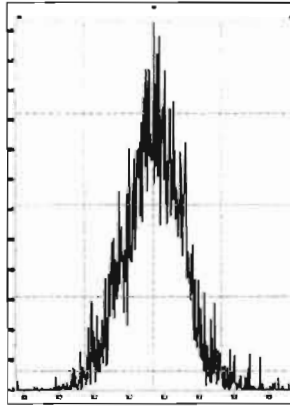
M 366.9792 R 11757



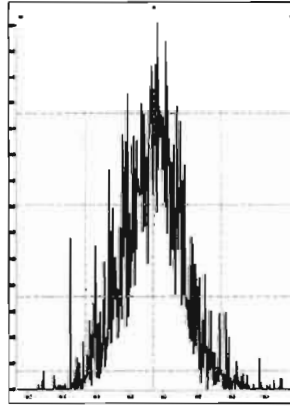
M 380.9760 R 10827



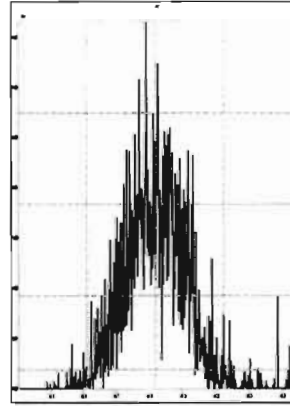
M 392.9760 R 12228



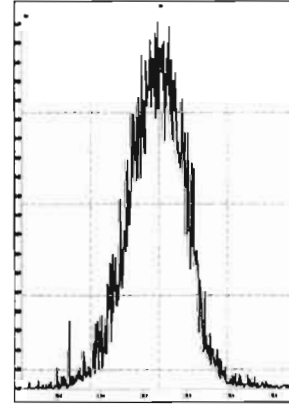
M 404.9760 R 13193



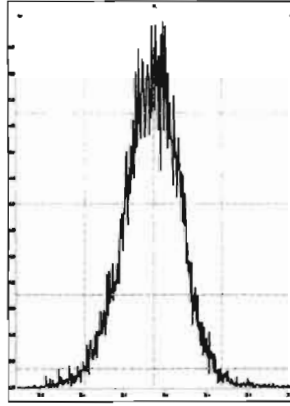
M 416.9760 R 14278



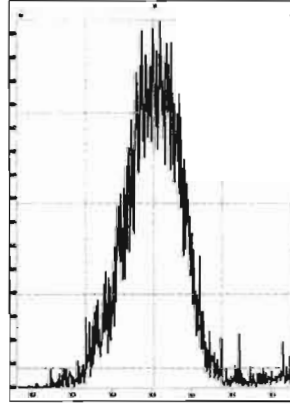
M 318.9792 R 11765



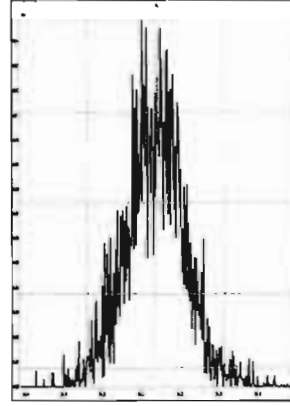
M 330.9792 R 11520



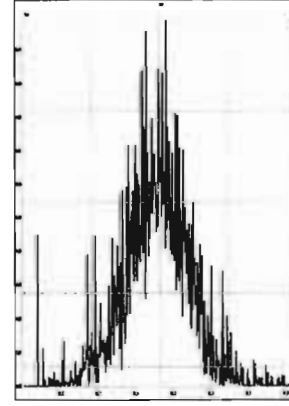
M 342.9792 R 11215



M 354.9792 R 12445

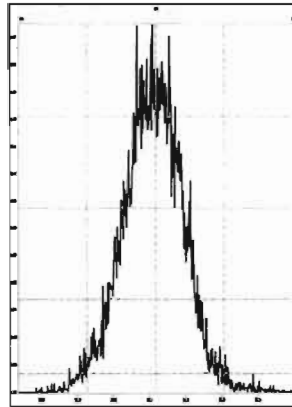


M 366.9792 R 12319

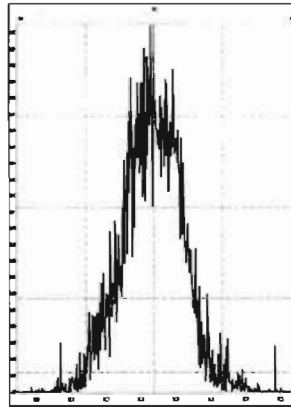


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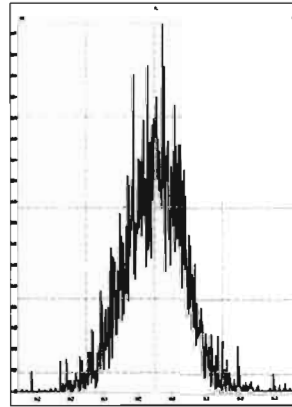
M 380.9760 R 10334



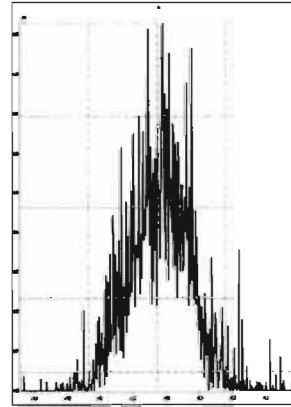
M 392.9760 R 13482



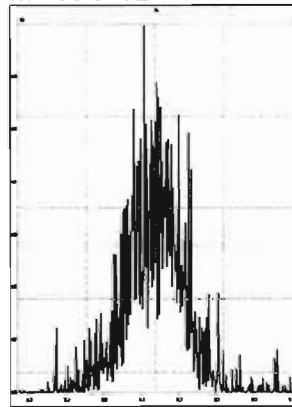
M 404.9760 R 12716



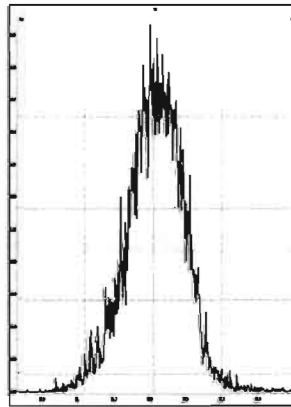
M 416.9760 R 14235



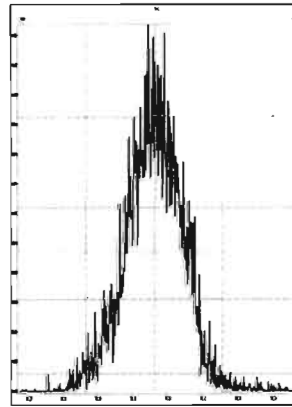
M 366.9792 R 14713



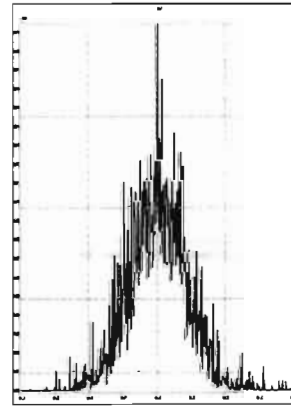
M 380.9760 R 10893



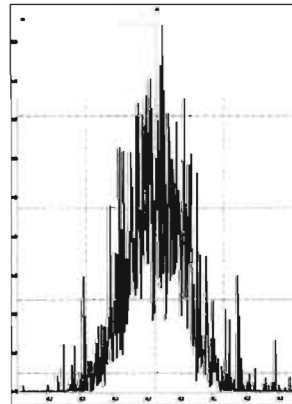
M 392.9760 R 12122



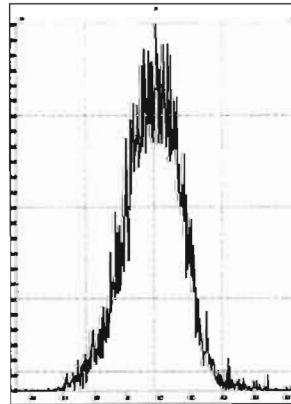
M 404.9760 R 13606



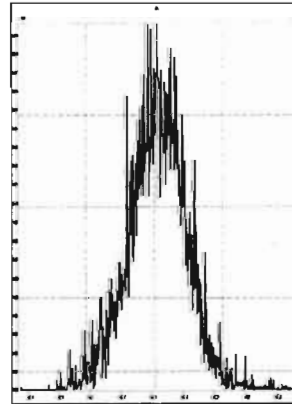
M 416.9760 R 15015



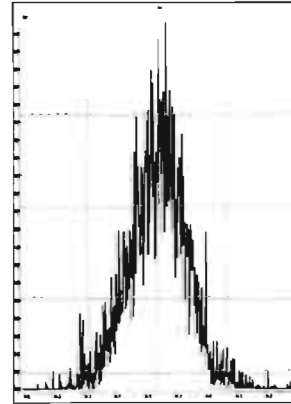
M 430.9728 R 11311



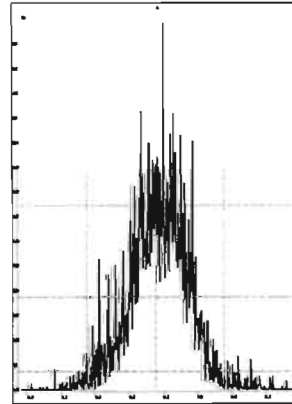
M 442.9728 R 12100



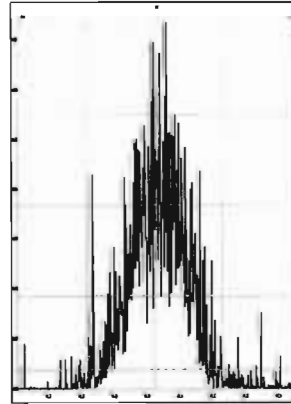
M 454.9728 R 13633



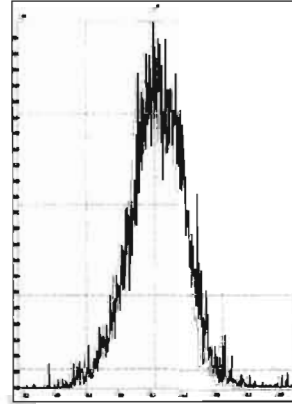
M 404.9760 R 11798



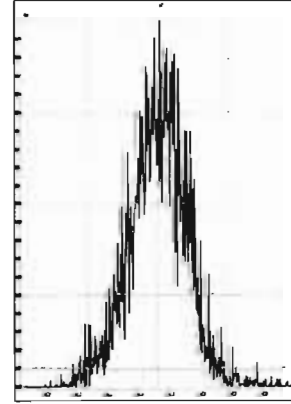
M 416.9760 R 14769



M 430.9728 R 11557

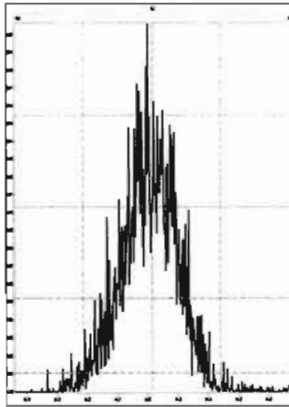


M 442.9728 R 13527

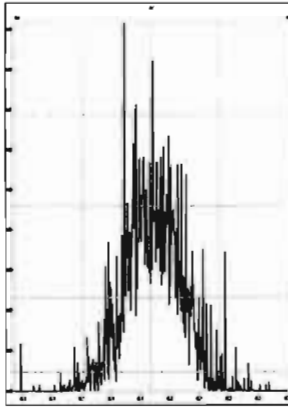


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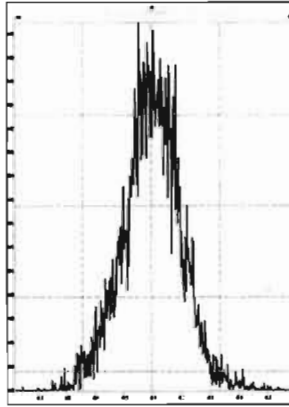
M 454.9728 R 12186



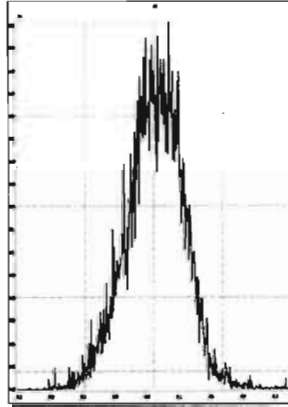
M 466.9728 R 15351



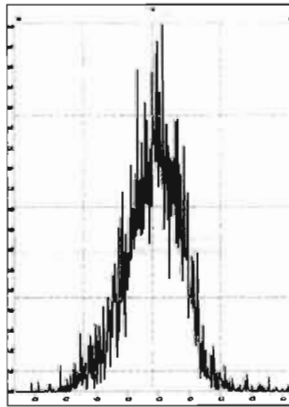
M 480.9696 R 10862



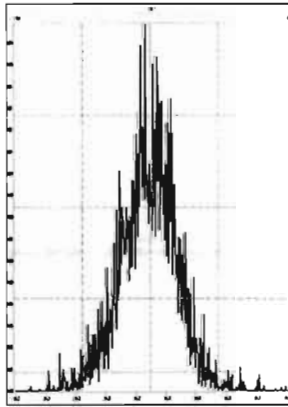
M 430.9728 R 11818



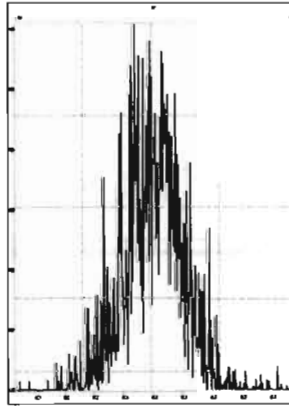
M 442.9728 R 13903



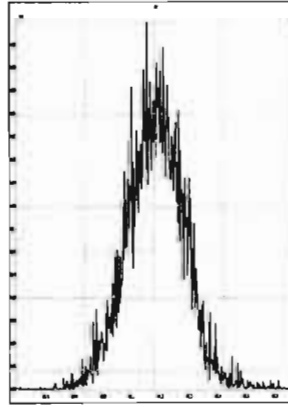
M 454.9728 R 12988



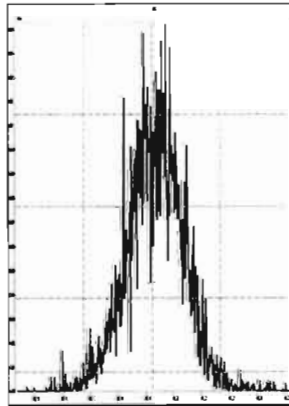
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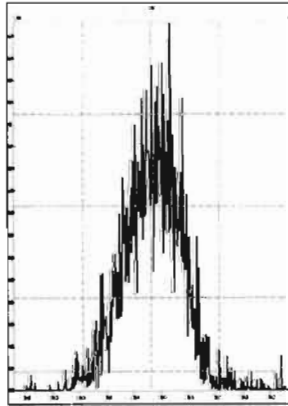
M 480.9696 R 11820



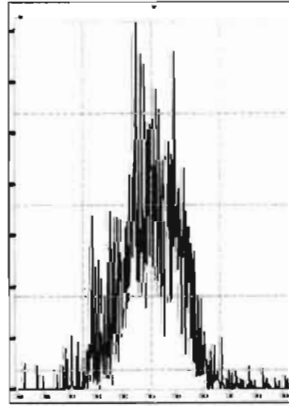
M 492.9696 R 12026



M 504.9696 R 12728



M 516.9697 R 16259



INITIAL CALIBRATION

Dataset: U:\VG12.PRO\Results\201020R1\201020R1-CRV.qld

Last Altered: Tuesday, October 20, 2020 14:36:10 Pacific Daylight Time

Printed: Tuesday, October 20, 2020 15:22:41 Pacific Daylight Time

GRB 10/20/20
HW 10/20/2020

Method: U:\VG12.PRO\MethDB\1613rrt-10-20-20.mdb 20 Oct 2020 10:47:39

Calibration: U:\VG12.PRO\CurveDB\ldbDIOXIN_1613vg12-10-20-20.cdb 20 Oct 2020 14:36:10

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

Response Factor: 0.950098

RRF SD: 0.10465, Relative SD: 11.0146

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	201020R1_1	0.250	0.81	NO	26.29	1.001	2.37e3	1.11e6	0.224	-10.3	0.852	MM
2	201020R1_2	0.500	0.75	NO	26.31	1.001	5.59e3	1.28e6	0.460	-8.0	0.874	bb
3	201020R1_3	2.00	0.75	NO	26.29	1.001	2.28e4	1.32e6	1.82	-8.9	0.866	bb
4	201020R1_4	40.0	0.77	NO	26.32	1.000	3.56e5	8.62e5	43.4	8.6	1.03	bb
5	201020R1_5	300	0.78	NO	26.29	1.001	4.63e6	1.39e6	350	16.7	1.11	bb
6	201020R1_6	10.0	0.76	NO	26.29	1.001	1.18e5	1.22e6	10.2	1.9	0.969	MM

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

Response Factor: 0.885499

RRF SD: 0.0848416, Relative SD: 9.58122

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	201020R1_1	1.25	0.59	NO	30.96	1.001	8.54e3	8.68e5	1.11	-11.0	0.788	bb
2	201020R1_2	2.50	0.63	NO	30.96	1.000	1.82e4	9.11e5	2.25	-9.8	0.798	bb
3	201020R1_3	10.0	0.61	NO	30.96	1.001	8.73e4	1.03e6	9.59	-4.1	0.849	bb
4	201020R1_4	200	0.62	NO	30.98	1.001	1.24e6	6.47e5	217	8.5	0.961	MM
5	201020R1_5	1500	0.62	NO	30.98	1.001	1.71e7	1.16e6	1670	11.0	0.983	bb
6	201020R1_6	50.0	0.62	NO	30.96	1.001	4.46e5	9.55e5	52.7	5.5	0.934	bb

Dataset: U:\VG12.PRO\Results\201020R1\201020R1-CRV.qld

Last Altered: Tuesday, October 20, 2020 14:36:10 Pacific Daylight Time
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Compound name: 1,2,3,4,7,8-HxCDD

Response Factor: 1.01755

RRF SD: 0.10207, Relative SD: 10.0309

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	201020R1_1	1.25	1.20	NO	34.28	1.000	6.99e3	6.21e5	1.11	-11.5	0.901	bd
2	201020R1_2	2.50	1.26	NO	34.27	1.000	1.48e4	6.65e5	2.19	-12.3	0.892	bd
3	201020R1_3	10.0	1.25	NO	34.28	1.001	7.13e4	7.07e5	9.91	-0.9	1.01	bd
4	201020R1_4	200	1.24	NO	34.29	1.000	1.04e6	4.71e5	218	8.9	1.11	bd
5	201020R1_5	1500	1.23	NO	34.28	1.000	1.49e7	8.81e5	1660	10.7	1.13	bd
6	201020R1_6	50.0	1.27	NO	34.28	1.000	3.59e5	6.72e5	52.5	5.0	1.07	bd

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

Response Factor: 0.914527

RRF SD: 0.0845585, Relative SD: 9.24614

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	201020R1_1	1.25	1.17	NO	34.41	1.001	7.95e3	7.36e5	1.18	-5.5	0.864	db
2	201020R1_2	2.50	1.28	NO	34.40	1.001	1.57e4	7.73e5	2.22	-11.1	0.813	db
3	201020R1_3	10.0	1.29	NO	34.40	1.001	7.37e4	8.70e5	9.27	-7.3	0.847	db
4	201020R1_4	200	1.25	NO	34.41	1.001	1.17e6	5.87e5	218	8.9	0.996	db
5	201020R1_5	1500	1.24	NO	34.40	1.000	1.55e7	1.02e6	1670	11.1	1.02	db
6	201020R1_6	50.0	1.26	NO	34.41	1.001	3.73e5	7.84e5	52.0	4.0	0.951	db

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

Response Factor: 0.934452

RRF SD: 0.104124, Relative SD: 11.1428

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	201020R1_1	1.25	1.17	NO	34.67	1.000	6.89e3	6.69e5	1.10	-11.8	0.824	bb
2	201020R1_2	2.50	1.24	NO	34.67	1.000	1.48e4	7.19e5	2.21	-11.8	0.825	bb

Dataset: U:\VG12.PRO\Results\201020R1\201020R1-CRV.qld

Last Altered: Tuesday, October 20, 2020 14:36:10 Pacific Daylight Time
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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	201020R1_3	10.0	1.25	NO	34.66	1.000	7.04e4	8.01e5	9.42	-5.8	0.880	bb
4	201020R1_4	200	1.24	NO	34.69	1.000	1.07e6	5.18e5	222	10.9	1.04	bb
5	201020R1_5	1500	1.24	NO	34.67	1.000	1.48e7	9.42e5	1680	12.3	1.05	bb
6	201020R1_6	50.0	1.24	NO	34.67	1.000	3.59e5	7.24e5	53.1	6.2	0.992	bb

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

Response Factor: 0.869732
 RRF SD: 0.101922, Relative SD: 11.7188
 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	201020R1_1	1.25	1.01	NO	38.16	1.001	5.19e3	5.60e5	1.07	-14.6	0.742	bb
2	201020R1_2	2.50	1.00	NO	38.14	1.000	1.26e4	6.39e5	2.27	-9.4	0.788	bb
3	201020R1_3	10.0	1.06	NO	38.15	1.000	5.46e4	6.69e5	9.38	-6.2	0.816	bd
4	201020R1_4	200	1.03	NO	38.16	1.000	8.51e5	4.44e5	221	10.3	0.960	bb
5	201020R1_5	1500	1.03	NO	38.16	1.001	1.20e7	8.00e5	1720	14.6	0.997	bb
6	201020R1_6	50.0	1.01	NO	38.16	1.000	2.81e5	6.15e5	52.6	5.2	0.915	bb

Compound name: OCDD

Response Factor: 0.871682
 RRF SD: 0.0918681, Relative SD: 10.5392
 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	201020R1_1	2.50	0.91	NO	41.11	1.000	8.88e3	8.86e5	2.30	-8.0	0.802	MM
2	201020R1_2	5.00	0.83	NO	41.10	1.000	2.03e4	1.06e6	4.38	-12.3	0.764	bd
3	201020R1_3	20.0	0.91	NO	41.12	1.000	9.08e4	1.12e6	18.6	-7.0	0.811	bd
4	201020R1_4	400	0.89	NO	41.10	1.000	1.42e6	7.38e5	442	10.4	0.963	bb
5	201020R1_5	3000	0.87	NO	41.13	1.000	2.01e7	1.36e6	3380	12.8	0.983	bb
6	201020R1_6	100	0.88	NO	41.12	1.000	4.65e5	1.02e6	104	4.1	0.907	MM

Dataset: U:\VG12.PRO\Results\201020R1\201020R1-CRV.qld

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

Response Factor: 0.824288
 RRF SD: 0.0905517, Relative SD: 10.9854
 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	201020R1_1	0.250	0.75	NO	25.61	1.001	2.81e3	1.53e6	0.223	-11.0	0.734	MM
2	201020R1_2	0.500	0.74	NO	25.61	1.001	6.37e3	1.70e6	0.454	-9.1	0.749	MM
3	201020R1_3	2.00	0.77	NO	25.61	1.001	2.79e4	1.82e6	1.86	-7.2	0.765	bb
4	201020R1_4	40.0	0.75	NO	25.64	1.000	4.26e5	1.19e6	43.4	8.5	0.895	bb
5	201020R1_5	300	0.76	NO	25.61	1.001	5.36e6	1.86e6	349	16.4	0.959	bb
6	201020R1_6	10.0	0.75	NO	25.61	1.001	1.42e5	1.69e6	10.2	2.4	0.844	bb

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

Response Factor: 0.962587
 RRF SD: 0.0802385, Relative SD: 8.33572
 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	201020R1_1	1.25	1.60	NO	29.71	1.001	1.34e4	1.22e6	1.14	-8.9	0.877	bb
2	201020R1_2	2.50	1.55	NO	29.71	1.001	2.85e4	1.30e6	2.27	-9.4	0.872	bb
3	201020R1_3	10.0	1.60	NO	29.71	1.001	1.32e5	1.42e6	9.68	-3.2	0.932	bb
4	201020R1_4	200	1.56	NO	29.73	1.001	1.94e6	9.55e5	211	5.6	1.02	bd
5	201020R1_5	1500	1.55	NO	29.71	1.000	2.60e7	1.63e6	1660	10.5	1.06	bb
6	201020R1_6	50.0	1.57	NO	29.71	1.001	7.00e5	1.38e6	52.7	5.4	1.01	bb

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

Response Factor: 1.06841
 RRF SD: 0.0935936, Relative SD: 8.76011
 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	201020R1_1	1.25	1.58	NO	30.76	1.000	1.39e4	1.16e6	1.13	-9.8	0.964	bb
2	201020R1_2	2.50	1.59	NO	30.77	1.001	3.11e4	1.29e6	2.26	-9.6	0.966	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	201020R1_3	10.0	1.62	NO	30.75	1.000	1.51e5	1.45e6	9.71	-2.9	1.04	bb
4	201020R1_4	200	1.56	NO	30.77	1.000	2.12e6	9.27e5	214	7.1	1.14	bd
5	201020R1_5	1500	1.55	NO	30.77	1.001	2.83e7	1.59e6	1660	10.9	1.18	bb
6	201020R1_6	50.0	1.55	NO	30.76	1.000	7.58e5	1.36e6	52.1	4.2	1.11	bb

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

Response Factor: 0.953478
 RRF SD: 0.113056, Relative SD: 11.8572
 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	201020R1_1	1.25	1.21	NO	33.37	1.000	8.75e3	8.65e5	1.06	-15.1	0.809	bd
2	201020R1_2	2.50	1.22	NO	33.37	1.000	1.91e4	9.23e5	2.17	-13.2	0.828	bd
3	201020R1_3	10.0	1.23	NO	33.37	1.001	9.24e4	9.76e5	9.93	-0.7	0.947	bd
4	201020R1_4	200	1.22	NO	33.38	1.000	1.33e6	6.36e5	219	9.6	1.05	bd
5	201020R1_5	1500	1.22	NO	33.37	1.000	1.86e7	1.15e6	1690	12.9	1.08	bd
6	201020R1_6	50.0	1.23	NO	33.37	1.000	4.69e5	9.24e5	53.2	6.4	1.01	bd

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

Response Factor: 1.00798
 RRF SD: 0.112388, Relative SD: 11.1498
 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	201020R1_1	1.25	1.18	NO	33.50	1.000	1.00e4	9.15e5	1.08	-13.2	0.875	db
2	201020R1_2	2.50	1.29	NO	33.50	1.000	2.13e4	9.59e5	2.20	-11.9	0.888	db
3	201020R1_3	10.0	1.23	NO	33.50	1.001	1.00e5	1.03e6	9.63	-3.7	0.971	db
4	201020R1_4	200	1.22	NO	33.51	1.000	1.55e6	6.96e5	221	10.5	1.11	db
5	201020R1_5	1500	1.22	NO	33.50	1.000	2.04e7	1.21e6	1680	11.7	1.13	db
6	201020R1_6	50.0	1.23	NO	33.50	1.000	5.13e5	9.53e5	53.3	6.7	1.08	db

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

Response Factor: 0.990683

RRF SD: 0.116635, Relative SD: 11.7732

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	201020R1_1	1.25	1.19	NO	34.18	1.001	8.93e3	8.28e5	1.09	-12.9	0.863	bb
2	201020R1_2	2.50	1.24	NO	34.17	1.000	1.87e4	8.79e5	2.15	-13.9	0.853	bb
3	201020R1_3	10.0	1.27	NO	34.17	1.001	9.17e4	9.58e5	9.66	-3.4	0.957	bb
4	201020R1_4	200	1.23	NO	34.18	1.000	1.37e6	6.32e5	219	9.6	1.09	bb
5	201020R1_5	1500	1.22	NO	34.17	1.000	1.87e7	1.11e6	1700	13.3	1.12	bb
6	201020R1_6	50.0	1.22	NO	34.18	1.001	4.65e5	8.75e5	53.6	7.3	1.06	bb

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

Response Factor: 0.950625

RRF SD: 0.11684, Relative SD: 12.2908

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	201020R1_1	1.25	1.23	NO	35.18	1.001	7.16e3	6.87e5	1.10	-12.3	0.834	bb
2	201020R1_2	2.50	1.20	NO	35.18	1.001	1.62e4	7.96e5	2.14	-14.5	0.813	bb
3	201020R1_3	10.0	1.19	NO	35.17	1.001	7.41e4	8.23e5	9.48	-5.2	0.901	bb
4	201020R1_4	200	1.23	NO	35.19	1.001	1.15e6	5.57e5	217	8.6	1.03	bb
5	201020R1_5	1500	1.23	NO	35.18	1.001	1.60e7	9.75e5	1720	14.8	1.09	bb
6	201020R1_6	50.0	1.25	NO	35.18	1.000	3.95e5	7.65e5	54.3	8.6	1.03	bb

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

Response Factor: 0.998573

RRF SD: 0.149251, Relative SD: 14.9464

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	201020R1_1	1.25	0.94	NO	36.74	1.000	6.80e3	6.49e5	1.05	-16.2	0.837	bb
2	201020R1_2	2.50	0.96	NO	36.73	1.000	1.54e4	7.21e5	2.13	-14.7	0.852	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	201020R1_3	10.0	0.99	NO	36.74	1.000	7.28e4	8.00e5	9.11	-8.9	0.909	bb
4	201020R1_4	200	1.01	NO	36.76	1.000	1.11e6	4.85e5	230	14.9	1.15	bb
5	201020R1_5	1500	1.01	NO	36.76	1.001	1.52e7	8.73e5	1750	16.3	1.16	bb
6	201020R1_6	50.0	1.01	NO	36.76	1.000	3.78e5	6.97e5	54.2	8.5	1.08	bb

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

Response Factor: 1.12384
 RRF SD: 0.136934, Relative SD: 12.1845
 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	201020R1_1	1.25	1.02	NO	38.77	1.000	5.83e3	4.78e5	1.08	-13.2	0.975	MM
2	201020R1_2	2.50	1.00	NO	38.77	1.000	1.44e4	5.79e5	2.21	-11.4	0.995	MM
3	201020R1_3	10.0	1.02	NO	38.77	1.000	5.99e4	5.77e5	9.23	-7.7	1.04	bb
4	201020R1_4	200	1.01	NO	38.77	1.000	9.50e5	3.83e5	220	10.2	1.24	bb
5	201020R1_5	1500	1.00	NO	38.78	1.000	1.36e7	7.02e5	1720	14.8	1.29	bb
6	201020R1_6	50.0	1.01	NO	38.78	1.000	3.25e5	5.39e5	53.7	7.4	1.21	bb

Compound name: OCDF

Response Factor: 0.868237
 RRF SD: 0.10594, Relative SD: 12.2017
 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	201020R1_1	2.50	0.84	NO	41.38	1.000	9.82e3	1.05e6	2.16	-13.7	0.749	MM
2	201020R1_2	5.00	0.90	NO	41.39	1.000	2.31e4	1.24e6	4.32	-13.7	0.750	MM
3	201020R1_3	20.0	0.88	NO	41.40	1.000	1.08e5	1.29e6	19.3	-3.6	0.837	bb
4	201020R1_4	400	0.89	NO	41.39	1.000	1.66e6	8.74e5	439	9.7	0.952	bb
5	201020R1_5	3000	0.89	NO	41.41	1.000	2.39e7	1.60e6	3450	14.9	0.998	bb
6	201020R1_6	100	0.87	NO	41.41	1.000	5.43e5	1.18e6	106	6.4	0.924	bb

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

Response Factor: 1.10889

RRF SD: 0.0354221, Relative SD: 3.19438

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	201020R1_1	100	0.79	NO	26.27	1.030	1.11e6	1.05e6	95.9	-4.1	1.06	bb
2	201020R1_2	100	0.79	NO	26.27	1.030	1.28e6	1.12e6	103	2.6	1.14	bd
3	201020R1_3	100	0.79	NO	26.27	1.030	1.32e6	1.18e6	100	0.5	1.11	bb
4	201020R1_4	100	0.78	NO	26.31	1.030	8.62e5	7.98e5	97.4	-2.6	1.08	bb
5	201020R1_5	100	0.79	NO	26.27	1.030	1.39e6	1.20e6	104	4.4	1.16	bb
6	201020R1_6	100	0.78	NO	26.27	1.030	1.22e6	1.11e6	99.1	-0.9	1.10	bb

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

Response Factor: 0.858504

RRF SD: 0.0583655, Relative SD: 6.79851

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	201020R1_1	100	0.62	NO	30.94	1.212	8.68e5	1.05e6	96.7	-3.3	0.830	bb
2	201020R1_2	100	0.63	NO	30.96	1.213	9.11e5	1.12e6	94.4	-5.6	0.811	bb
3	201020R1_3	100	0.63	NO	30.94	1.212	1.03e6	1.18e6	101	1.4	0.871	bb
4	201020R1_4	100	0.62	NO	30.96	1.212	6.47e5	7.98e5	94.5	-5.5	0.811	MM
5	201020R1_5	100	0.63	NO	30.96	1.213	1.16e6	1.20e6	112	12.5	0.966	bb
6	201020R1_6	100	0.63	NO	30.94	1.212	9.55e5	1.11e6	100	0.5	0.863	bb

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

Response Factor: 0.699736

RRF SD: 0.0536682, Relative SD: 7.66977

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	201020R1_1	100	1.28	NO	34.27	1.014	6.21e5	9.36e5	94.9	-5.1	0.664	bd
2	201020R1_2	100	1.27	NO	34.27	1.014	6.65e5	9.80e5	97.0	-3.0	0.679	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	201020R1_3	100	1.29	NO	34.26	1.014	7.07e5	1.05e6	96.3	-3.7	0.674	bd
4	201020R1_4	100	1.27	NO	34.28	1.014	4.71e5	6.87e5	98.1	-1.9	0.686	bd
5	201020R1_5	100	1.28	NO	34.27	1.014	8.81e5	1.09e6	115	15.4	0.808	bd
6	201020R1_6	100	1.28	NO	34.27	1.014	6.72e5	9.76e5	98.4	-1.6	0.688	bd

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

Response Factor: 0.832718
 RRF SD: 0.0561256, Relative SD: 6.74005
 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	201020R1_1	100	1.27	NO	34.38	1.017	7.36e5	9.36e5	94.5	-5.5	0.787	db
2	201020R1_2	100	1.27	NO	34.38	1.017	7.73e5	9.80e5	94.7	-5.3	0.789	db
3	201020R1_3	100	1.29	NO	34.38	1.017	8.70e5	1.05e6	99.5	-0.5	0.829	db
4	201020R1_4	100	1.28	NO	34.39	1.017	5.87e5	6.87e5	103	2.5	0.854	db
5	201020R1_5	100	1.26	NO	34.39	1.018	1.02e6	1.09e6	112	12.2	0.935	db
6	201020R1_6	100	1.27	NO	34.39	1.018	7.84e5	9.76e5	96.5	-3.5	0.803	db

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

Response Factor: 0.761805
 RRF SD: 0.0524899, Relative SD: 6.8902
 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	201020R1_1	100	1.24	NO	34.66	1.026	6.69e5	9.36e5	93.9	-6.1	0.715	bb
2	201020R1_2	100	1.21	NO	34.66	1.026	7.19e5	9.80e5	96.3	-3.7	0.733	bb
3	201020R1_3	100	1.23	NO	34.65	1.025	8.01e5	1.05e6	100	0.1	0.763	bb
4	201020R1_4	100	1.27	NO	34.67	1.026	5.18e5	6.87e5	99.1	-0.9	0.755	MM
5	201020R1_5	100	1.24	NO	34.66	1.026	9.42e5	1.09e6	113	13.3	0.863	MM
6	201020R1_6	100	1.25	NO	34.66	1.026	7.24e5	9.76e5	97.4	-2.6	0.742	bb

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

Response Factor: 0.649564
 RRF SD: 0.0451664, Relative SD: 6.95334
 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	201020R1_1	100	1.05	NO	38.14	1.128	5.60e5	9.36e5	92.1	-7.9	0.598	bb
2	201020R1_2	100	1.09	NO	38.14	1.128	6.39e5	9.80e5	100	0.4	0.652	MM
3	201020R1_3	100	1.04	NO	38.14	1.128	6.69e5	1.05e6	98.2	-1.8	0.638	bb
4	201020R1_4	100	1.07	NO	38.15	1.128	4.44e5	6.87e5	99.4	-0.6	0.646	MM
5	201020R1_5	100	1.07	NO	38.14	1.128	8.00e5	1.09e6	113	12.9	0.733	MM
6	201020R1_6	100	1.04	NO	38.15	1.129	6.15e5	9.76e5	97.0	-3.0	0.630	MM

Compound name: 13C-OCDD

Response Factor: 0.539367
 RRF SD: 0.0489023, Relative SD: 9.06662
 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	201020R1_1	200	0.92	NO	41.10	1.216	8.86e5	9.36e5	175	-12.3	0.473	bb
2	201020R1_2	200	0.90	NO	41.08	1.216	1.06e6	9.80e5	201	0.4	0.542	bb
3	201020R1_3	200	0.89	NO	41.11	1.216	1.12e6	1.05e6	198	-1.0	0.534	bb
4	201020R1_4	200	0.88	NO	41.08	1.215	7.38e5	6.87e5	199	-0.4	0.537	bb
5	201020R1_5	200	0.89	NO	41.10	1.216	1.36e6	1.09e6	232	15.9	0.625	bb
6	201020R1_6	200	0.89	NO	41.10	1.216	1.02e6	9.76e5	195	-2.6	0.525	bb

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

Response Factor: 0.981384
 RRF SD: 0.0297957, Relative SD: 3.03609
 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	201020R1_1	100	0.78	NO	25.59	1.003	1.53e6	1.65e6	94.6	-5.4	0.928	bb
2	201020R1_2	100	0.77	NO	25.59	1.003	1.70e6	1.75e6	99.3	-0.7	0.974	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	201020R1_3	100	0.77	NO	25.59	1.003	1.82e6	1.83e6	101	1.3	0.994	bb
4	201020R1_4	100	0.77	NO	25.63	1.003	1.19e6	1.22e6	99.5	-0.5	0.976	bb
5	201020R1_5	100	0.78	NO	25.59	1.003	1.86e6	1.84e6	103	3.0	1.01	bb
6	201020R1_6	100	0.78	NO	25.59	1.003	1.69e6	1.68e6	102	2.3	1.00	bb

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

Response Factor: 0.791688

RRF SD: 0.0545703, Relative SD: 6.89291

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	201020R1_1	100	1.58	NO	29.69	1.163	1.22e6	1.65e6	93.5	-6.5	0.740	bb
2	201020R1_2	100	1.58	NO	29.69	1.163	1.30e6	1.75e6	94.3	-5.7	0.747	bb
3	201020R1_3	100	1.61	NO	29.69	1.163	1.42e6	1.83e6	97.5	-2.5	0.772	bb
4	201020R1_4	100	1.61	NO	29.71	1.163	9.55e5	1.22e6	99.0	-1.0	0.784	bd
5	201020R1_5	100	1.58	NO	29.71	1.164	1.63e6	1.84e6	112	11.9	0.886	bb
6	201020R1_6	100	1.59	NO	29.69	1.163	1.38e6	1.68e6	104	3.7	0.821	bb

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

Response Factor: 0.777714

RRF SD: 0.0578231, Relative SD: 7.435

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	201020R1_1	100	1.59	NO	30.76	1.205	1.15e6	1.65e6	90.1	-9.9	0.701	bb
2	201020R1_2	100	1.61	NO	30.75	1.205	1.29e6	1.75e6	94.8	-5.2	0.737	bb
3	201020R1_3	100	1.62	NO	30.75	1.205	1.45e6	1.83e6	102	1.9	0.793	bb
4	201020R1_4	100	1.60	NO	30.77	1.205	9.27e5	1.22e6	97.8	-2.2	0.761	dd
5	201020R1_5	100	1.60	NO	30.75	1.205	1.59e6	1.84e6	111	11.2	0.865	bb
6	201020R1_6	100	1.60	NO	30.76	1.205	1.36e6	1.68e6	104	4.1	0.810	bb

Dataset: U:\VG12.PRO\Results\201020R1\201020R1-CRV.qld

Last Altered: Tuesday, October 20, 2020 14:36:10 Pacific Daylight Time
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Compound name: 13C-1,2,3,4,7,8-HxCDF

Response Factor: 0.953706
 RRF SD: 0.0497892, Relative SD: 5.22061
 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	201020R1_1	100	0.51	NO	33.36	0.987	8.65e5	9.36e5	96.9	-3.1	0.924	bd
2	201020R1_2	100	0.51	NO	33.36	0.987	9.23e5	9.80e5	98.8	-1.2	0.942	bd
3	201020R1_3	100	0.51	NO	33.35	0.987	9.76e5	1.05e6	97.5	-2.5	0.930	bd
4	201020R1_4	100	0.51	NO	33.37	0.987	6.36e5	6.87e5	97.1	-2.9	0.926	bd
5	201020R1_5	100	0.51	NO	33.36	0.987	1.15e6	1.09e6	110	10.5	1.05	bd
6	201020R1_6	100	0.51	NO	33.36	0.987	9.24e5	9.76e5	99.3	-0.7	0.947	bd

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

Response Factor: 1.00595
 RRF SD: 0.0507361, Relative SD: 5.04362
 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	201020R1_1	100	0.50	NO	33.49	0.991	9.15e5	9.36e5	97.2	-2.8	0.978	db
2	201020R1_2	100	0.52	NO	33.49	0.991	9.59e5	9.80e5	97.3	-2.7	0.979	db
3	201020R1_3	100	0.52	NO	33.48	0.991	1.03e6	1.05e6	97.7	-2.3	0.982	db
4	201020R1_4	100	0.51	NO	33.50	0.991	6.96e5	6.87e5	101	0.8	1.01	db
5	201020R1_5	100	0.51	NO	33.49	0.991	1.21e6	1.09e6	110	9.9	1.11	db
6	201020R1_6	100	0.51	NO	33.49	0.991	9.53e5	9.76e5	97.1	-2.9	0.977	db

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

Response Factor: 0.921049
 RRF SD: 0.0481045, Relative SD: 5.2228
 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	201020R1_1	100	0.52	NO	34.16	1.011	8.28e5	9.36e5	96.1	-3.9	0.885	bd
2	201020R1_2	100	0.51	NO	34.16	1.011	8.79e5	9.80e5	97.4	-2.6	0.897	bb

Dataset: U:\VG12.PRO\Results\201020R1\201020R1-CRV.qld

Last Altered: Tuesday, October 20, 2020 14:36:10 Pacific Daylight Time
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Compound name: 13C-2,3,4,6,7,8-HxCDF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201020R1_3	100	0.51	NO	34.15	1.010	9.58e5	1.05e6	99.1	-0.9	0.913	bb
4	201020R1_4	100	0.51	NO	34.17	1.011	6.32e5	6.87e5	99.8	-0.2	0.919	bb
5	201020R1_5	100	0.51	NO	34.16	1.011	1.11e6	1.09e6	110	10.3	1.02	bb
6	201020R1_6	100	0.50	NO	34.16	1.011	8.75e5	9.76e5	97.3	-2.7	0.897	bb

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

Response Factor: 0.803358
 RRF SD: 0.0529087, Relative SD: 6.58594
 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	201020R1_1	100	0.51	NO	35.16	1.040	6.87e5	9.36e5	91.4	-8.6	0.734	MM
2	201020R1_2	100	0.50	NO	35.16	1.040	7.96e5	9.80e5	101	1.1	0.813	bb
3	201020R1_3	100	0.52	NO	35.15	1.040	8.23e5	1.05e6	97.6	-2.4	0.784	bd
4	201020R1_4	100	0.50	NO	35.17	1.040	5.57e5	6.87e5	101	1.0	0.811	bd
5	201020R1_5	100	0.51	NO	35.16	1.040	9.75e5	1.09e6	111	11.3	0.894	bb
6	201020R1_6	100	0.51	NO	35.17	1.041	7.65e5	9.76e5	97.6	-2.4	0.784	bb

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

Response Factor: 0.735455
 RRF SD: 0.0398884, Relative SD: 5.42364
 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	201020R1_1	100	0.42	NO	36.73	1.087	6.49e5	9.36e5	94.3	-5.7	0.694	bb
2	201020R1_2	100	0.44	NO	36.73	1.087	7.21e5	9.80e5	100	0.0	0.736	bd
3	201020R1_3	100	0.41	NO	36.73	1.087	8.00e5	1.05e6	104	3.6	0.762	bb
4	201020R1_4	100	0.43	NO	36.75	1.087	4.85e5	6.87e5	96.0	-4.0	0.706	bb
5	201020R1_5	100	0.44	NO	36.74	1.087	8.73e5	1.09e6	109	8.8	0.800	bb
6	201020R1_6	100	0.43	NO	36.75	1.087	6.97e5	9.76e5	97.2	-2.8	0.715	bb

Dataset: U:\VG12.PRO\Results\201020R1\201020R1-CRV.qld

Last Altered: Tuesday, October 20, 2020 14:36:10 Pacific Daylight Time
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Compound name: 13C-1,2,3,4,7,8,9-HpCDF

Response Factor: 0.567644
 RRF SD: 0.0450507, Relative SD: 7.93644
 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	201020R1_1	100	0.44	NO	38.76	1.147	4.78e5	9.36e5	90.0	-10.0	0.511	bd
2	201020R1_2	100	0.43	NO	38.76	1.147	5.79e5	9.80e5	104	4.1	0.591	bb
3	201020R1_3	100	0.44	NO	38.76	1.147	5.77e5	1.05e6	96.9	-3.1	0.550	bd
4	201020R1_4	100	0.43	NO	38.76	1.147	3.83e5	6.87e5	98.3	-1.7	0.558	bd
5	201020R1_5	100	0.43	NO	38.77	1.147	7.02e5	1.09e6	113	13.4	0.644	bb
6	201020R1_6	100	0.45	NO	38.77	1.147	5.39e5	9.76e5	97.3	-2.7	0.552	bd

Compound name: 13C-OCDF

Response Factor: 0.629245
 RRF SD: 0.0574861, Relative SD: 9.13572
 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	201020R1_1	200	0.91	NO	41.38	1.224	1.05e6	9.36e5	178	-11.0	0.560	MM
2	201020R1_2	200	0.87	NO	41.38	1.224	1.24e6	9.80e5	200	0.2	0.630	MM
3	201020R1_3	200	0.90	NO	41.40	1.225	1.29e6	1.05e6	195	-2.5	0.614	bd
4	201020R1_4	200	0.86	NO	41.38	1.224	8.74e5	6.87e5	202	1.1	0.636	bb
5	201020R1_5	200	0.88	NO	41.40	1.225	1.60e6	1.09e6	233	16.5	0.733	bb
6	201020R1_6	200	0.90	NO	41.39	1.225	1.18e6	9.76e5	191	-4.3	0.602	bd

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

Response Factor: 1.08781
 RRF SD: 0.174332, Relative SD: 16.0259
 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	201020R1_1	0.250			26.29	1.030	2.24e3	1.05e6	0.197	-21.1	0.858	bb
2	201020R1_2	0.500			26.29	1.030	5.14e3	1.12e6	0.420	-15.9	0.915	bb

Dataset: U:\VG12.PRO\Results\201020R1\201020R1-CRV.qld

Last Altered: Tuesday, October 20, 2020 14:36:10 Pacific Daylight Time
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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	201020R1_3	2.00			26.29	1.030	2.59e4	1.18e6	2.02	0.8	1.10	bb
4	201020R1_4	40.0			26.32	1.031	3.82e5	7.98e5	44.0	10.0	1.20	bb
5	201020R1_5	200			26.29	1.030	3.17e6	1.20e6	243	21.4	1.32	bb
6	201020R1_6	10.0			26.29	1.030	1.26e5	1.11e6	10.5	4.8	1.14	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	201020R1_1	100	0.78	NO	25.52	1.000	1.05e6	1.05e6	100	0.0	1.00	bb
2	201020R1_2	100	0.79	NO	25.52	1.000	1.12e6	1.12e6	100	0.0	1.00	bb
3	201020R1_3	100	0.78	NO	25.52	1.000	1.18e6	1.18e6	100	0.0	1.00	bb
4	201020R1_4	100	0.77	NO	25.54	1.000	7.98e5	7.98e5	100	0.0	1.00	bb
5	201020R1_5	100	0.78	NO	25.52	1.000	1.20e6	1.20e6	100	0.0	1.00	bb
6	201020R1_6	100	0.79	NO	25.52	1.000	1.11e6	1.11e6	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	201020R1_1	100	0.80	NO	24.04	1.000	1.65e6	1.65e6	100	0.0	1.00	bb
2	201020R1_2	100	0.79	NO	24.06	1.000	1.75e6	1.75e6	100	0.0	1.00	bb
3	201020R1_3	100	0.79	NO	24.04	1.000	1.83e6	1.83e6	100	0.0	1.00	bb
4	201020R1_4	100	0.79	NO	24.07	1.000	1.22e6	1.22e6	100	0.0	1.00	bb
5	201020R1_5	100	0.79	NO	24.04	1.000	1.84e6	1.84e6	100	0.0	1.00	bb
6	201020R1_6	100	0.79	NO	24.04	1.000	1.68e6	1.68e6	100	0.0	1.00	bb

Dataset: U:\VG12.PRO\Results\201020R1\201020R1-CRV.qld

Last Altered: Tuesday, October 20, 2020 14:36:10 Pacific Daylight Time

Printed: Tuesday, October 20, 2020 15:22:41 Pacific Daylight Time

Compound name: 13C-1,2,3,4,6,9-HxCDF

Response Factor: 1

RRF SD: 0, Relative SD: 0

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

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201020R1_1	100	0.51	NO	33.80	1.000	9.36e5	9.36e5	100	0.0	1.00	bb
2	201020R1_2	100	0.52	NO	33.80	1.000	9.80e5	9.80e5	100	0.0	1.00	bb
3	201020R1_3	100	0.51	NO	33.80	1.000	1.05e6	1.05e6	100	0.0	1.00	bb
4	201020R1_4	100	0.51	NO	33.81	1.000	6.87e5	6.87e5	100	0.0	1.00	bb
5	201020R1_5	100	0.51	NO	33.80	1.000	1.09e6	1.09e6	100	0.0	1.00	bb
6	201020R1_6	100	0.52	NO	33.80	1.000	9.76e5	9.76e5	100	0.0	1.00	bd

Dataset: Untitled

Last Altered: Wednesday, October 21, 2020 06:53:54 Pacific Daylight Time

Printed: Wednesday, October 21, 2020 06:54:05 Pacific Daylight Time

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Calibration: U:\VG12.PRO\CurveDB\ldbDIOXIN_1613vg12-10-10-20.cdb 12 Oct 2020 14:50:48

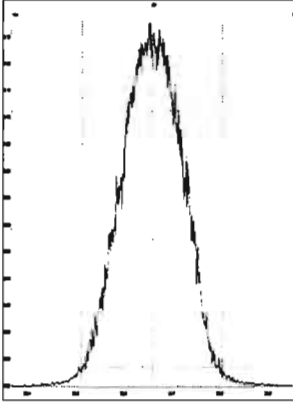
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3	201020R1_3	ST201020R1_3 1613 CS2 20F1104	20-Oct-20	10:48:17
4	201020R1_4	ST201020R1_4 1613 CS4 20F1106	20-Oct-20	11:32:31
5	201020R1_5	ST201020R1_5 1613 CS5 20F1107	20-Oct-20	12:16:56
6	201020R1_6	ST201020R1_6 1613 CS3 20F1105	20-Oct-20	13:01:38
7	201020R1_7	SOLVENT BLANK	20-Oct-20	13:45:46
8	201020R1_8	SS201020R1_1 1613 SSS 20F1108	20-Oct-20	14:29:33
9	201020R1_9	TCDF CPSM	20-Oct-20	15:13:50

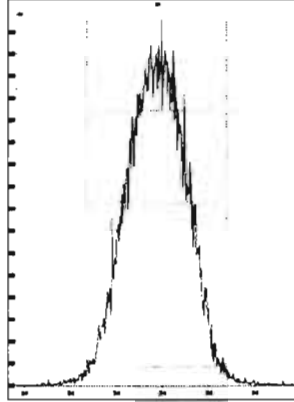
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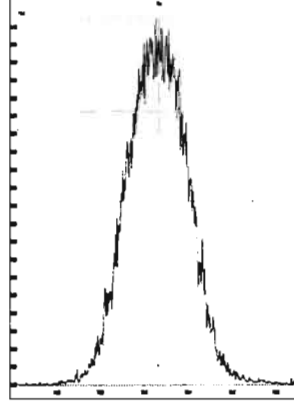
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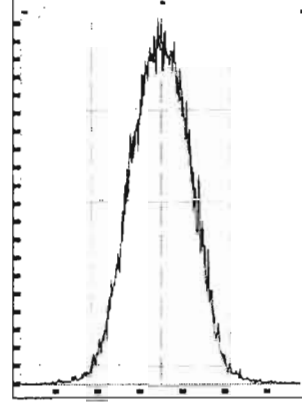
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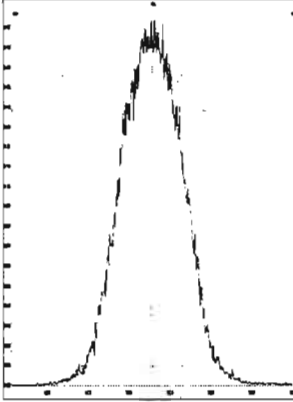
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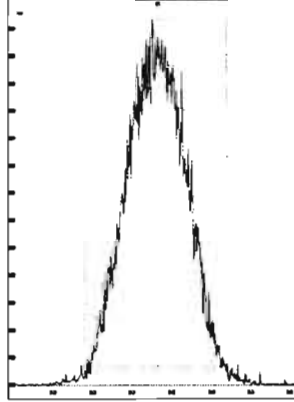
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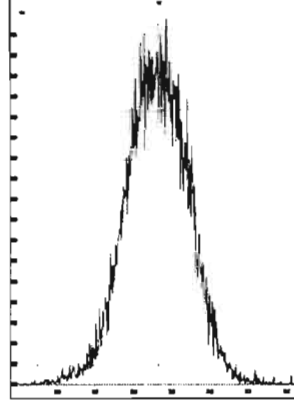
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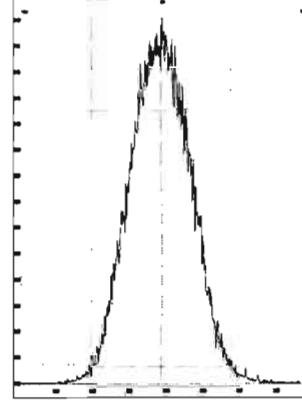
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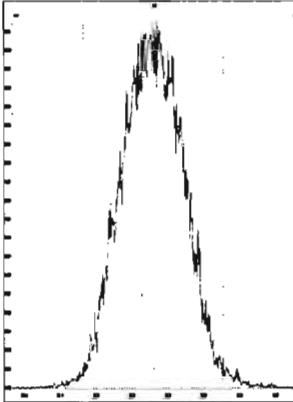
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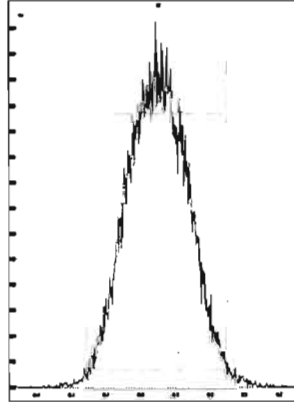
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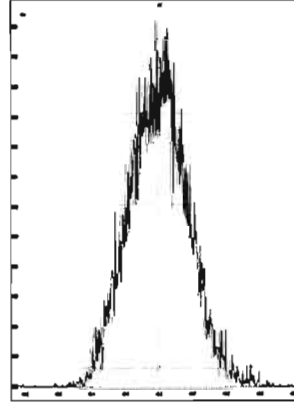
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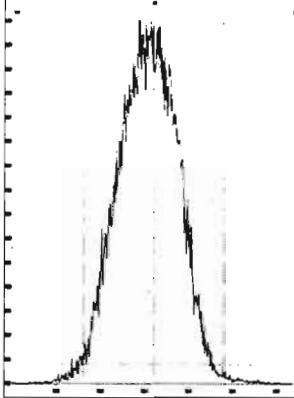
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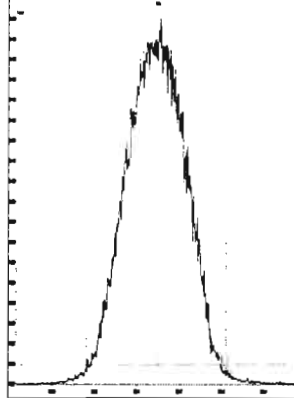
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Printed: Tuesday, October 20, 2020 09:01:23 Pacific Daylight Time

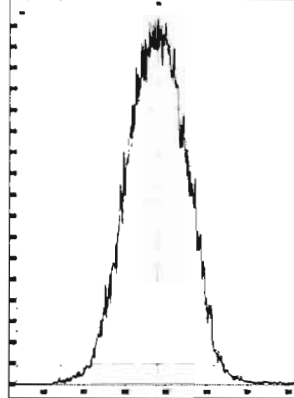
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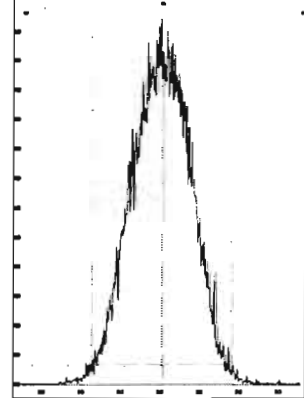
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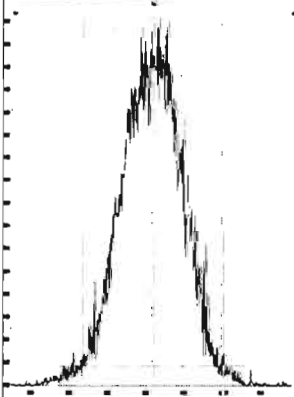
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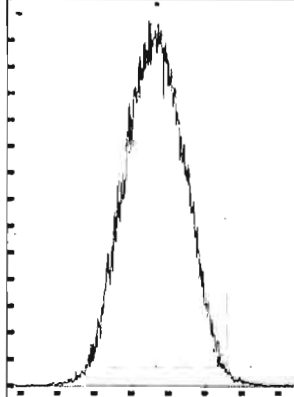
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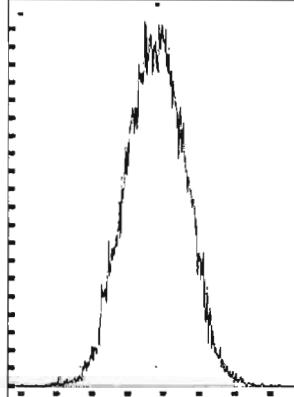
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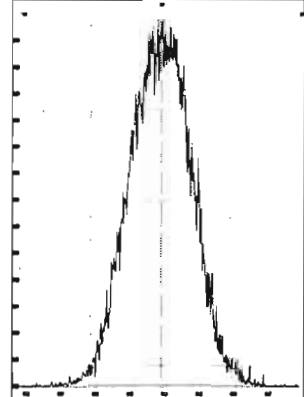
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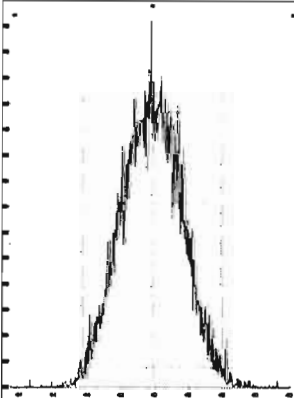
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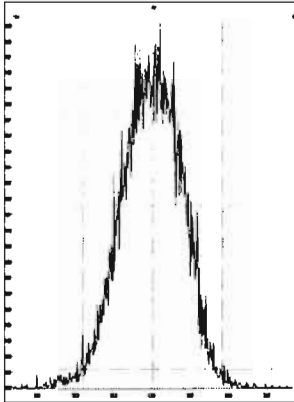
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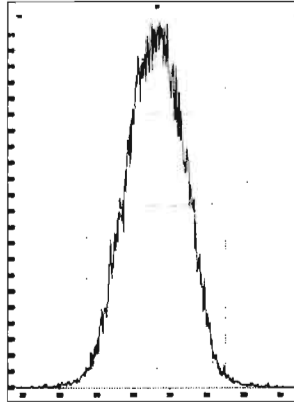
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Printed: Tuesday, October 20, 2020 09:02:28 Pacific Daylight Time

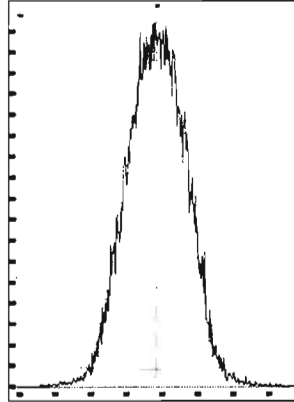
M 366.9792 R 10592



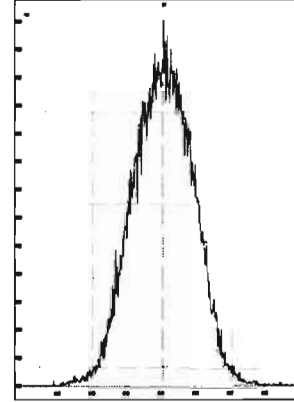
M 380.9760 R 10962



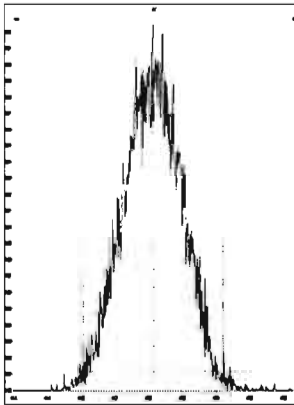
M 392.9760 R 11012



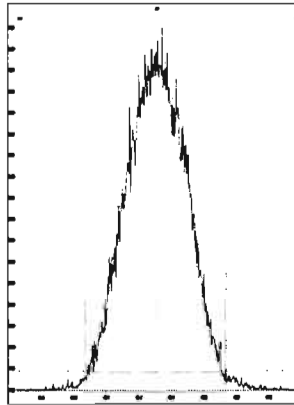
M 404.9760 R 10549



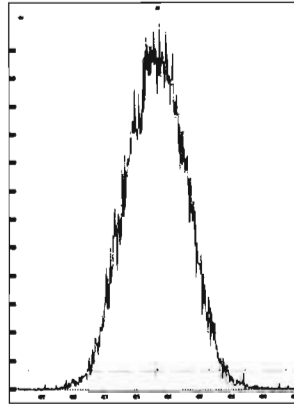
M 416.9760 R 11213



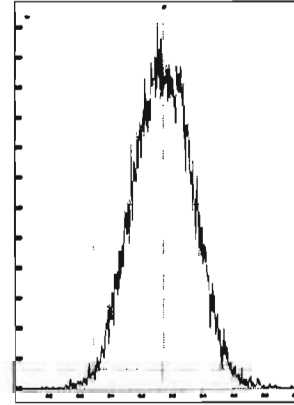
M 430.9728 R 10549



M 442.9728 R 10640



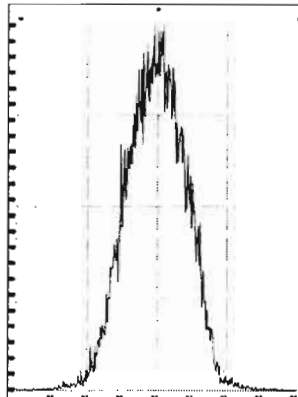
M 454.9728 R 10246



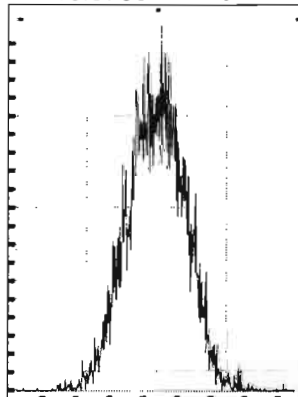
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Printed: Tuesday, October 20, 2020 09:03:26 Pacific Daylight Time

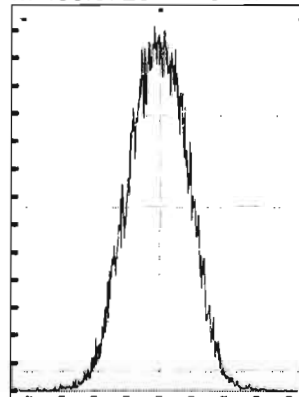
M 404.9760 R 10871



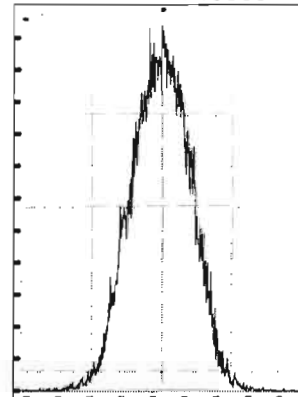
M 416.9760 R 11520



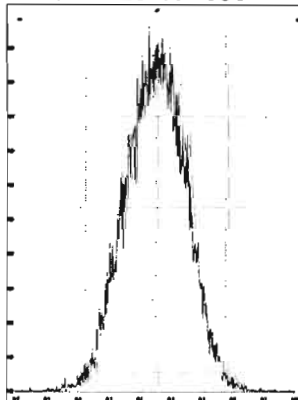
M 430.9728 R 10727



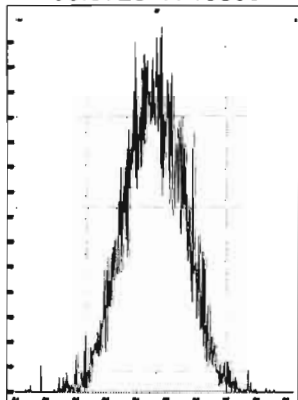
M 442.9728 R 10869



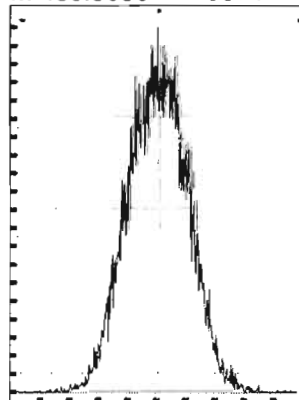
M 454.9728 R 10591



M 466.9728 R 10869



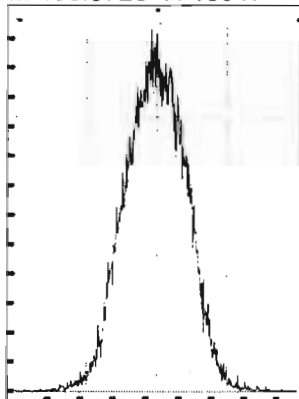
M 480.9696 R 10371



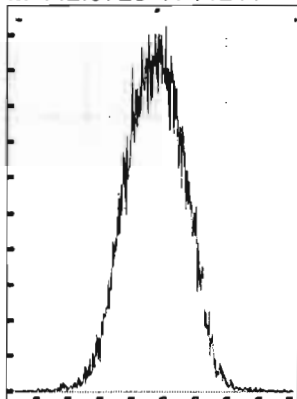
File: Experiment: OCDD_DB5_2.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Tuesday, October 20, 2020 09:04:30 Pacific Daylight Time

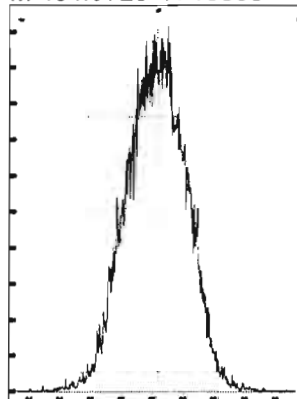
M 430.9728 R 10547



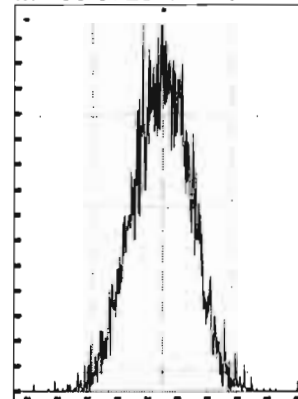
M 442.9728 R 11211



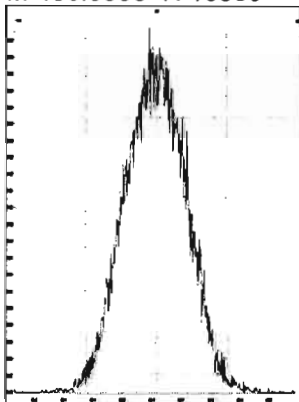
M 454.9728 R 10868



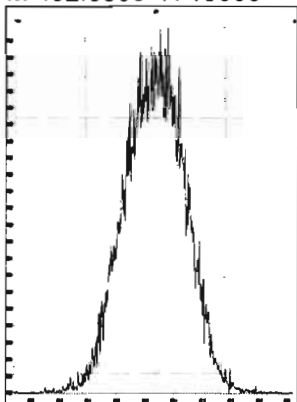
M 466.9728 R 11849



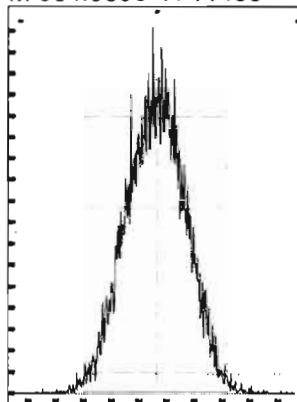
M 480.9696 R 10683



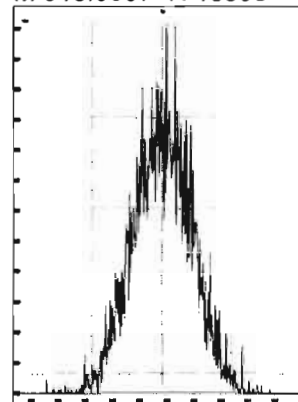
M 492.9696 R 10505



M 504.9696 R 11466



M 516.9697 R 10638



Dataset: Untitled

Last Altered: Tuesday, October 20, 2020 14:59:30 Pacific Daylight Time
Printed: Tuesday, October 20, 2020 14:59:49 Pacific Daylight Time

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Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-10-10-20.cdb 12 Oct 2020 14:50:48

Name: 201020R1_6, Date: 20-Oct-2020, Time: 13:01:38, ID: ST201020R1_6 1613 CS3 20F1105, Description: 1613 CS3 20F1105

	# Name	RT
1	1 1,3,6,8-TCDD (First)	22.55
2	2 1,2,8,9-TCDD (Last)	27.18
3	3 1,2,4,7,9-PeCDD (First)	28.70
4	4 1,2,3,8,9-PeCDD (Last)	31.32
5	5 1,2,4,6,7,9-HxCDD (First)	32.63
6	6 1,2,3,7,8,9-HxCDD (Last)	34.67
7	7 1,2,3,4,6,7,9-HpCDD (First)	37.15
8	8 1,2,3,4,6,7,8-HpCDD (Last)	38.16
9	9 1,3,6,8-TCDF (First)	20.32
10	10 1,2,8,9-TCDF (Last)	27.49
11	11 1,3,4,6,8-PeCDF (First)	27.06
12	12 1,2,3,8,9-PeCDF (Last)	31.68
13	13 1,2,3,4,6,8-HxCDF (First)	32.10
14	14 1,2,3,7,8,9-HxCDF (Last)	35.18
15	15 1,2,3,4,6,7,8-HpCDF (First)	36.76
16	16 1,2,3,4,7,8,9-HpCDF (Last)	38.78

Dataset: Untitled

Last Altered: Tuesday, October 20, 2020 14:59:30 Pacific Daylight Time
Printed: Tuesday, October 20, 2020 14:59:49 Pacific Daylight Time

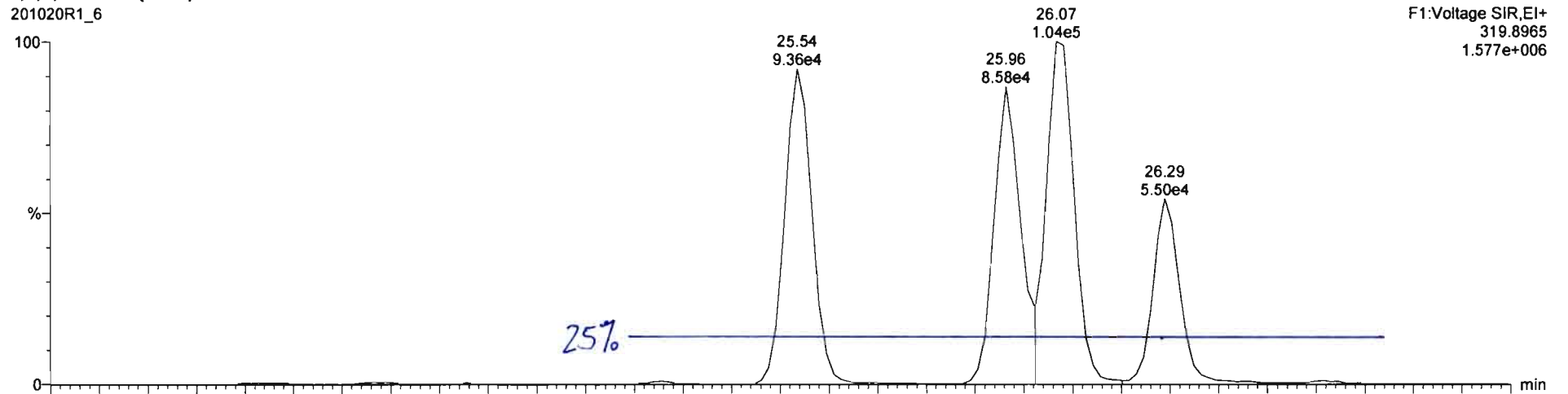
GRS 10/20/20
HN 10/22/2020

Method: U:\VG12.PRO\MethDB\CPSM.mdb 20 Sep 2020 10:23:28
Calibration: U:\VG12.PRO\CurveDB\IbDIOXIN_1613vg12-10-10-20.cdb 12 Oct 2020 14:50:48

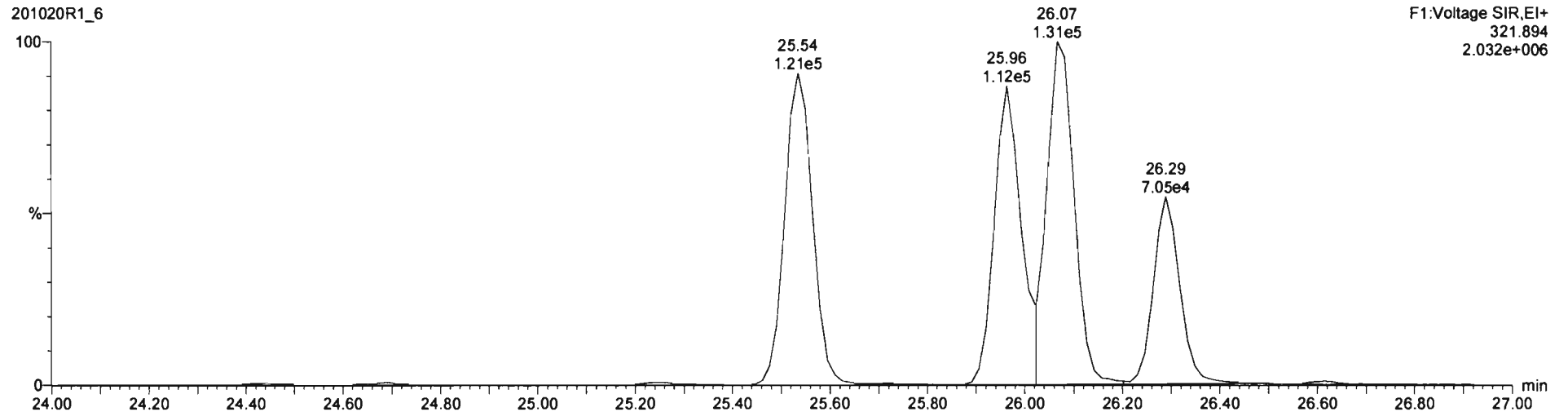
Name: 201020R1_6, Date: 20-Oct-2020, Time: 13:01:38, ID: ST201020R1_6 1613 CS3 20F1105, Description: 1613 CS3 20F1105

1,3,6,8-TCDD (First)

201020R1_6



201020R1_6

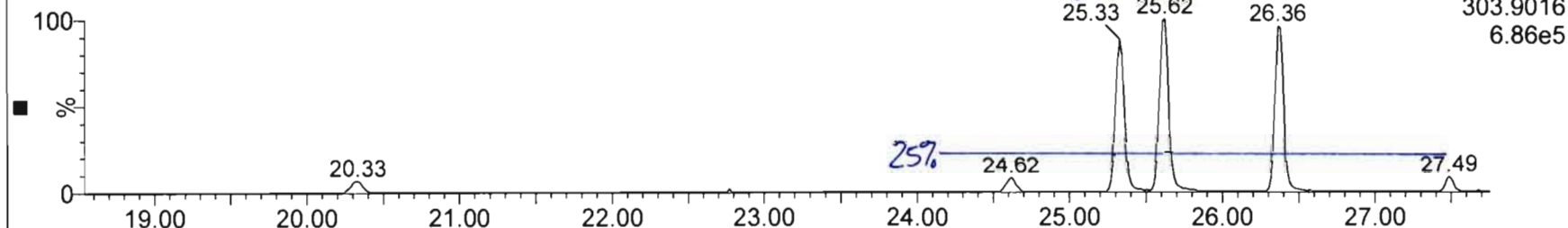


HN 10/22/2020

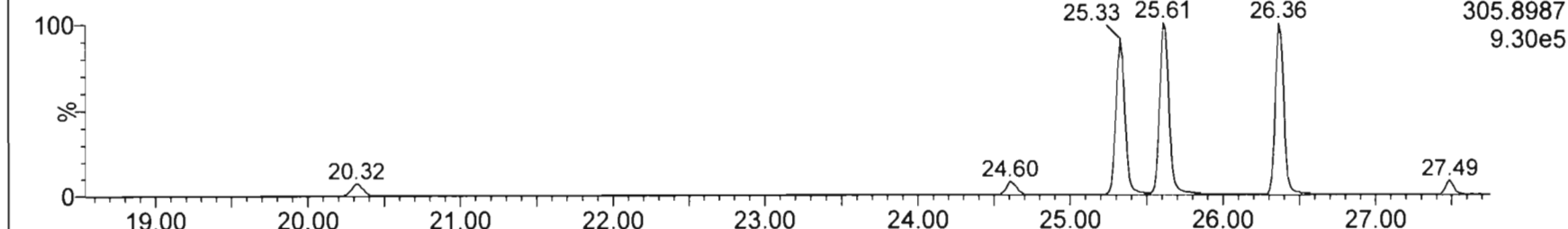
GRB 10/22/2020

TCDF CPSM QC

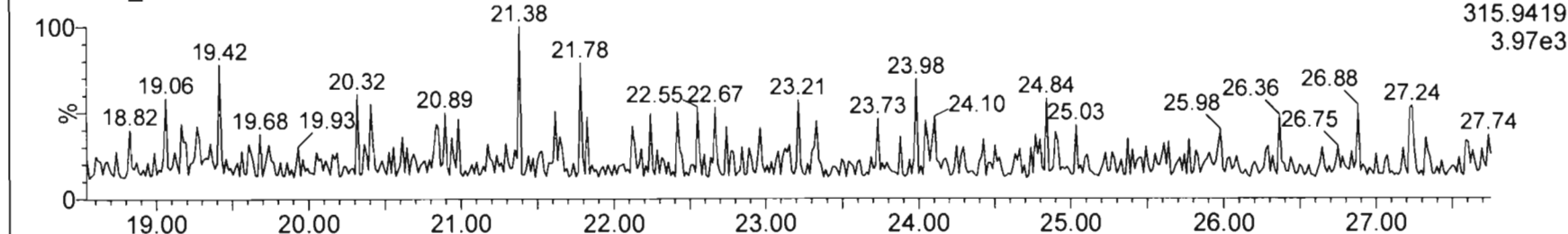
201020R1_9



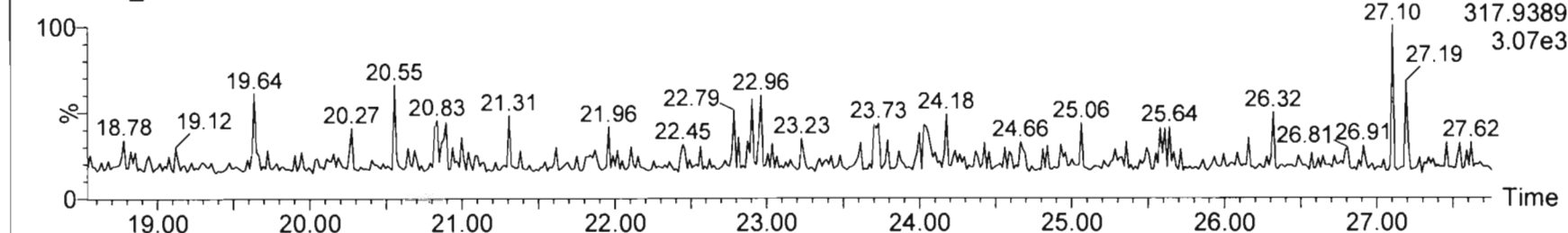
201020R1_9



201020R1_9



201020R1_9



Dataset: Untitled

Last Altered: Tuesday, October 20, 2020 15:17:40 Pacific Daylight Time

Printed: Tuesday, October 20, 2020 15:18:47 Pacific Daylight Time

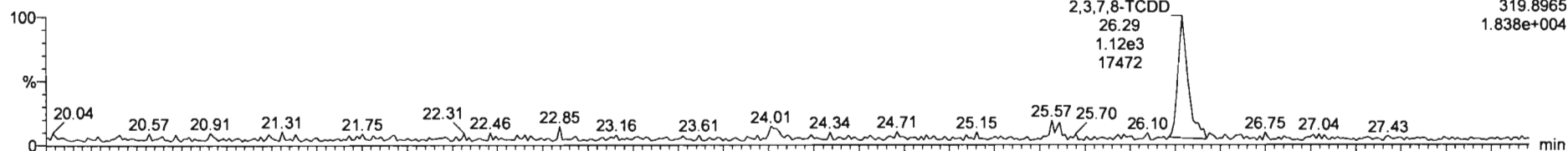
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Calibration: 20 Oct 2020 15:17:40

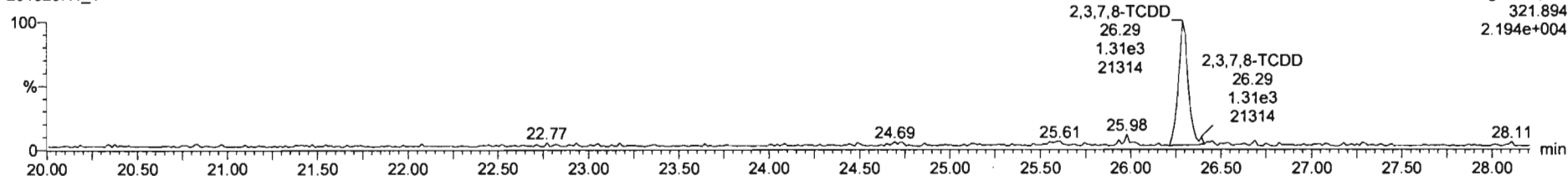
Name: 201020R1_1, Date: 20-Oct-2020, Time: 09:17:10, ID: ST201020R1_1 1613 CS0 20F1102, Description: 1613 CS0 20F1102

2,3,7,8-TCDD

201020R1_1



201020R1_1

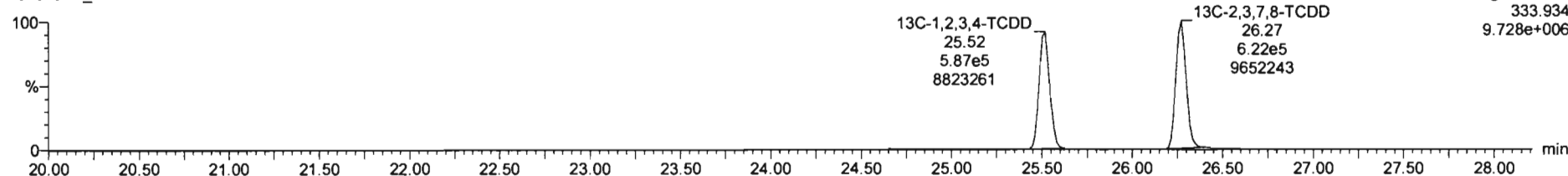


13C-2,3,7,8-TCDD

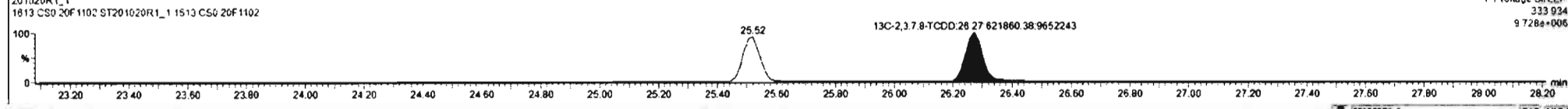
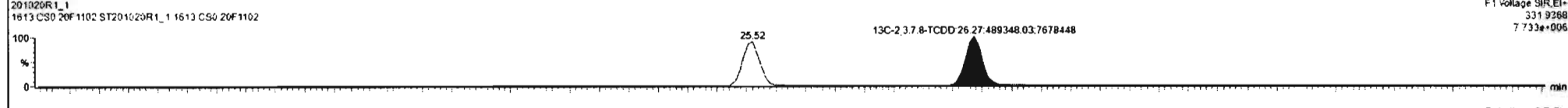
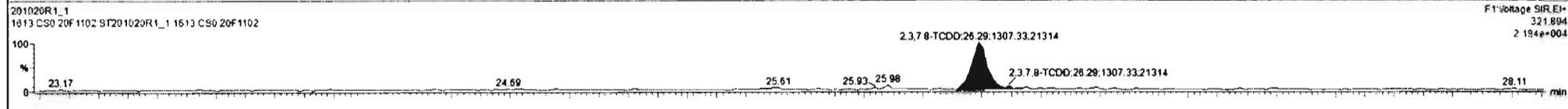
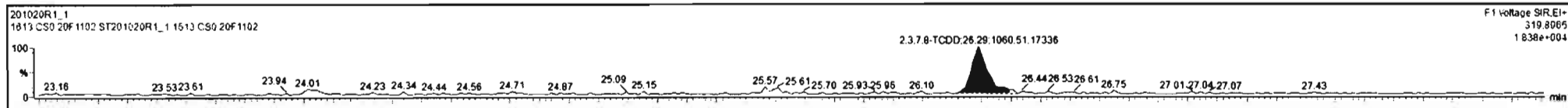
201020R1_1



201020R1_1



#	Name	RT	RA	Yth	Area	IS Area	Std Conc	%Dev	%RSD	RRF M...	RRF SD
1	2,3,7,8-TCDD	26.29	0.811	NO	2.3678e3	1.1112e6	0.250	-10.3	11.0	0.950	0.105
2	1,2,3,7,8-PeCDD	30.96	0.590	NO	8.5438e3	8.6783e5	1.250	-11.0	9.58	0.885	0.0848
3	1,2,3,4,7,8-HxCDD	34.28	1.201	NO	6.9948e3	6.2109e5	1.250	-11.5	10.0	1.02	0.102
4	1,2,3,6,7,8-HxCDD	34.41	1.167	NO	7.9514e3	7.3628e5	1.250	-5.5	9.25	0.915	0.0846
5	1,2,3,7,8,9-HxCDD	34.67	1.172	NO	6.8931e3	6.6908e5	1.250	-11.8	11.1	0.934	0.104
6	1,2,3,4,6,7,8-HpCDD	38.16	1.007	NO	5.1934e3	5.5958e5	1.250	-14.6	11.7	0.870	0.102
7	OCDD	41.11	0.907	NO	8.8776e3	8.8555e5	2.500	-8.0	10.5	0.872	0.0919
8	2,3,7,8-TCDF	25.61	0.746	NO	2.8093e3	1.5316e6	0.250	-11.0	11.0	0.824	0.0906
9	1,2,3,7,8-PeCDF	29.71	1.684	NO	1.3382e4	1.2209e6	1.250	-8.9	8.34	0.963	0.0602
10	2,3,4,7,8-PeCDF	30.76	1.584	NO	1.3929e4	1.1562e6	1.250	-9.8	8.76	1.07	0.0936
11	1,2,3,4,7,8-HxCDF	33.37	1.212	NO	8.7459e3	8.6452e5	1.250	-15.1	11.9	0.953	0.113
12	1,2,3,6,7,8-HxCDF	33.50	1.161	NO	1.0004e4	9.1504e5	1.250	-13.2	11.1	1.01	0.112
13	2,3,4,6,7,8-HxCDF	34.18	1.193	NO	8.8325e3	8.2819e5	1.250	-12.9	11.6	0.991	0.117
14	1,2,3,7,8,9-HxCDF	35.18	1.232	NO	7.1604e3	6.8684e5	1.250	-12.3	12.3	0.951	0.117
15	1,2,3,4,6,7,8-HpCDF	36.74	0.945	NO	6.7951e3	6.4927e5	1.250	-16.2	14.9	0.998	0.149
16	1,2,3,4,7,8,9-HpCDF	38.77	1.017	NO	5.8287e3	4.7816e5	1.250	-13.2	12.2	1.12	0.137
17	OCDF	41.38	0.842	NO	9.8181e3	1.0480e6	2.500	-13.7	12.2	0.868	0.106
18	13C-2,3,7,8-TCDD	26.27	0.787	NO	1.1112e6	1.0450e6	100.000	-4.1	3.19	1.11	0.0354
19	13C-1,2,3,7,8-PeCDD	30.94	0.620	NO	6.6763e5	1.0450e6	100.000	-3.3	6.80	0.859	0.0584
20	13C-1,2,3,4,7,8-HxCDD	34.27	1.276	NO	6.2109e5	9.3577e5	100.000	-5.1	7.67	0.700	0.0537
21	13C-1,2,3,6,7,8-HxCDD	34.38	1.276	NO	7.3628e5	9.3577e5	100.000	-5.5	6.74	0.833	0.0561



Dataset: Untitled

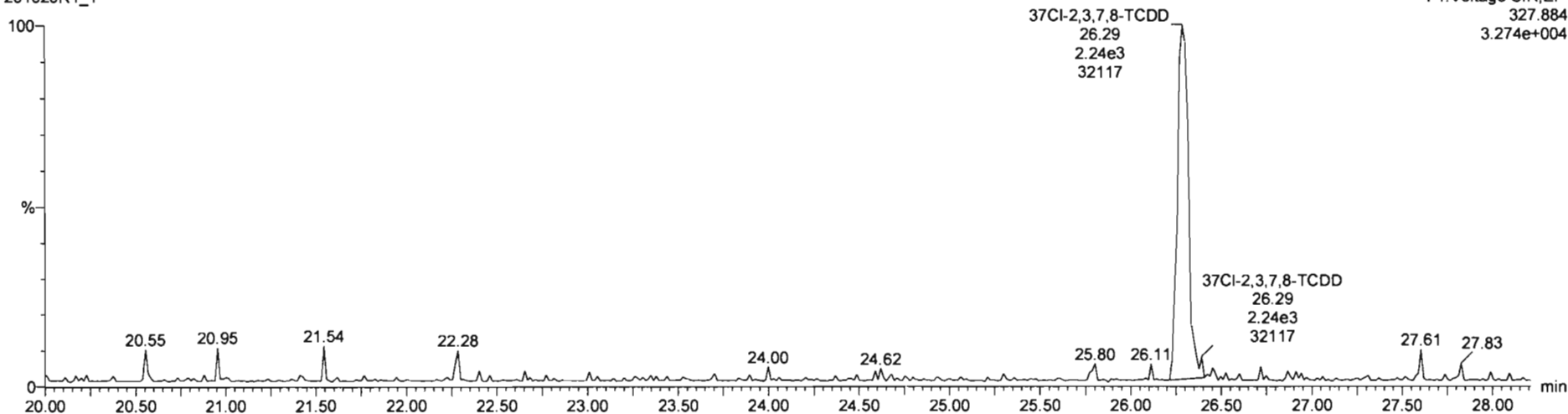
Last Altered: Tuesday, October 20, 2020 15:17:40 Pacific Daylight Time

Printed: Tuesday, October 20, 2020 15:18:47 Pacific Daylight Time

Name: 201020R1_1, Date: 20-Oct-2020, Time: 09:17:10, ID: ST201020R1_1 1613 CS0 20F1102, Description: 1613 CS0 20F1102

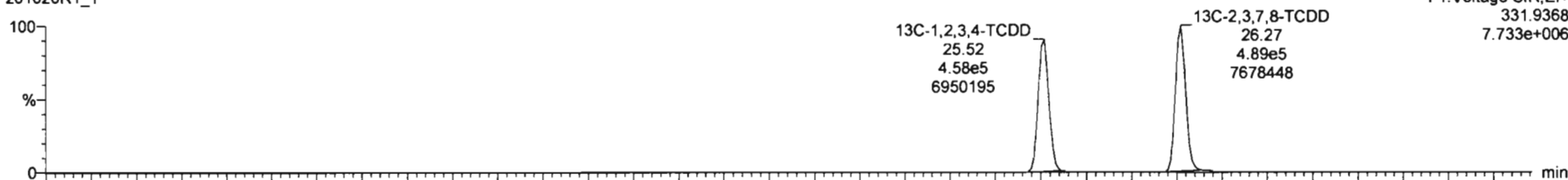
37Cl-2,3,7,8-TCDD

201020R1_1

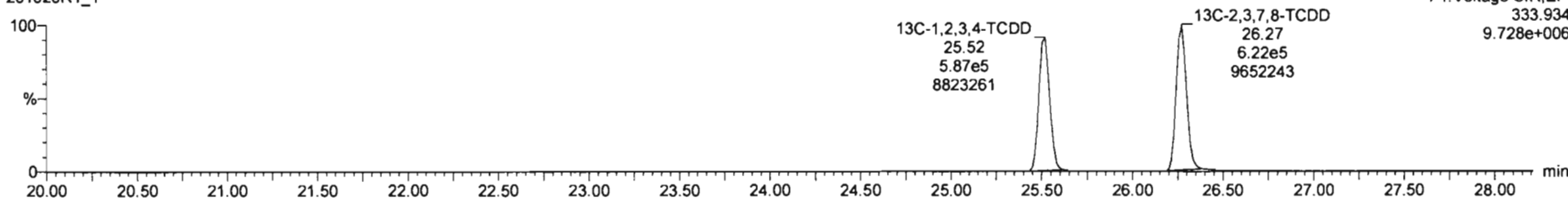


13C-1,2,3,4-TCDD

201020R1_1



201020R1_1



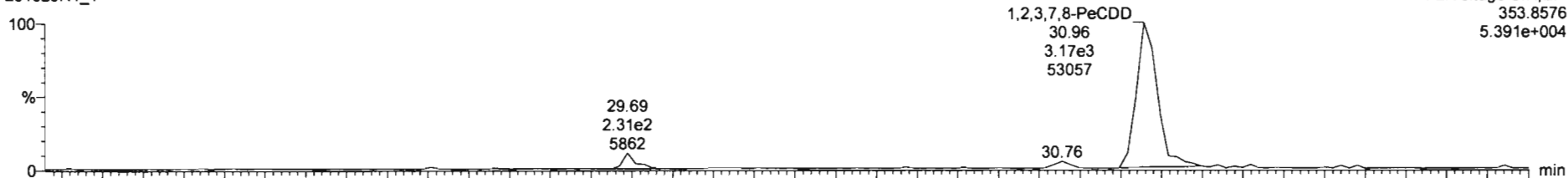
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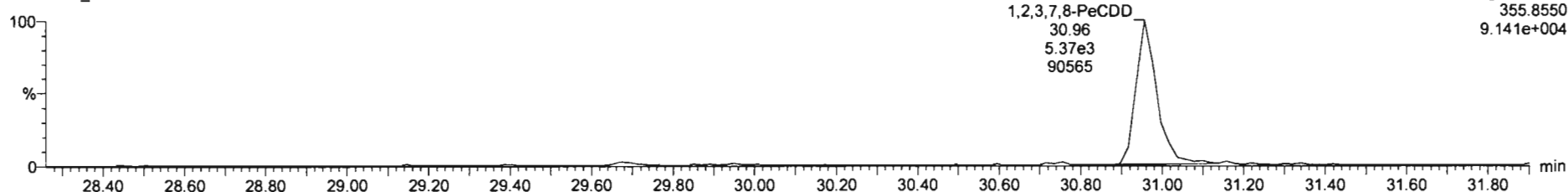
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1,2,3,7,8-PeCDD

201020R1_1

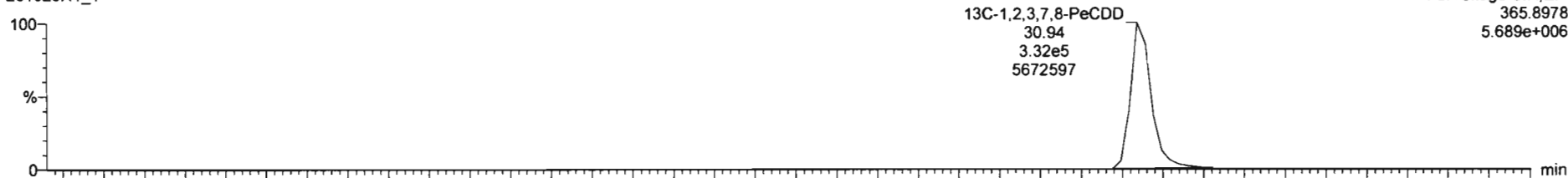


201020R1_1

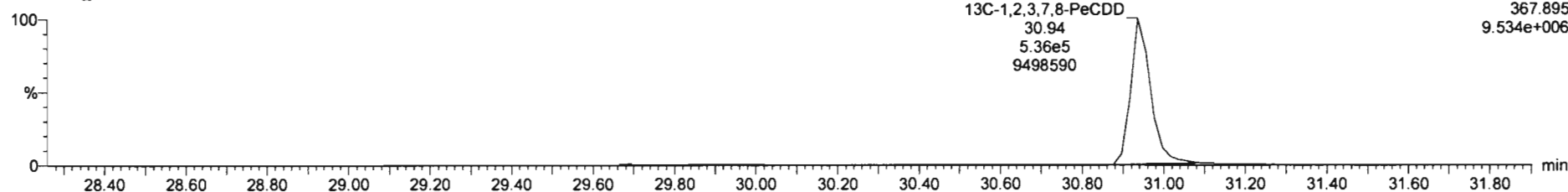


13C-1,2,3,7,8-PeCDD

201020R1_1



201020R1_1



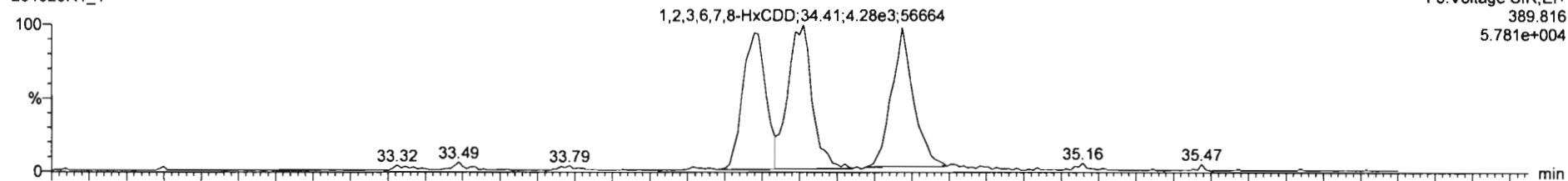
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Printed: Tuesday, October 20, 2020 15:18:47 Pacific Daylight Time

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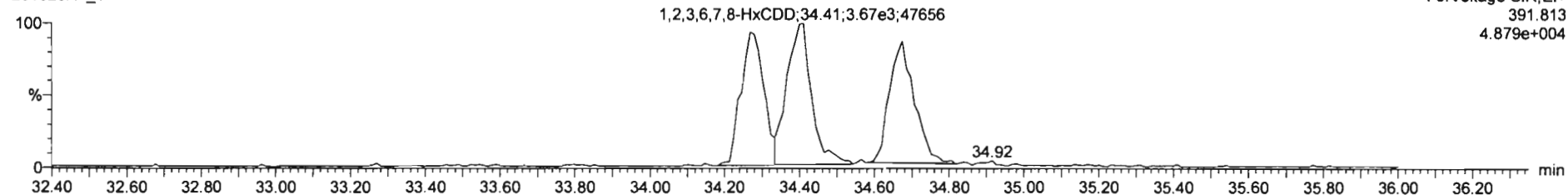
1,2,3,4,7,8-HxCDD

201020R1_1



F3: Voltage SIR, EI+
389.816
5.781e+004

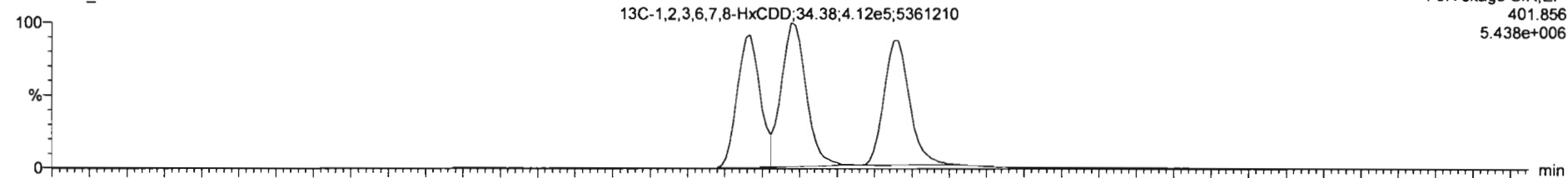
201020R1_1



F3: Voltage SIR, EI+
391.813
4.879e+004

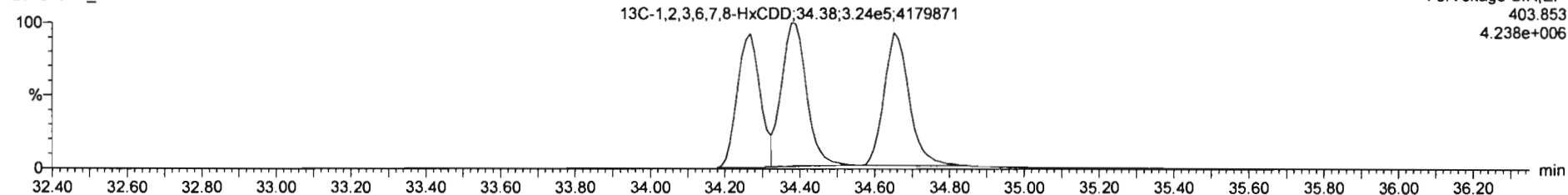
13C-1,2,3,4,7,8-HxCDD

201020R1_1



F3: Voltage SIR, EI+
401.856
5.438e+006

201020R1_1



F3: Voltage SIR, EI+
403.853
4.238e+006

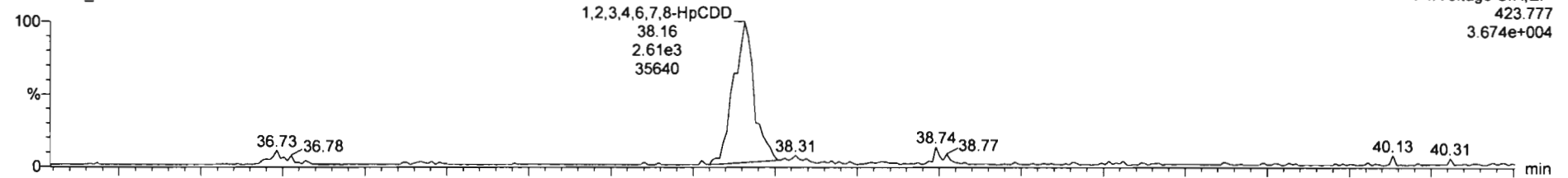
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Printed: Tuesday, October 20, 2020 15:18:47 Pacific Daylight Time

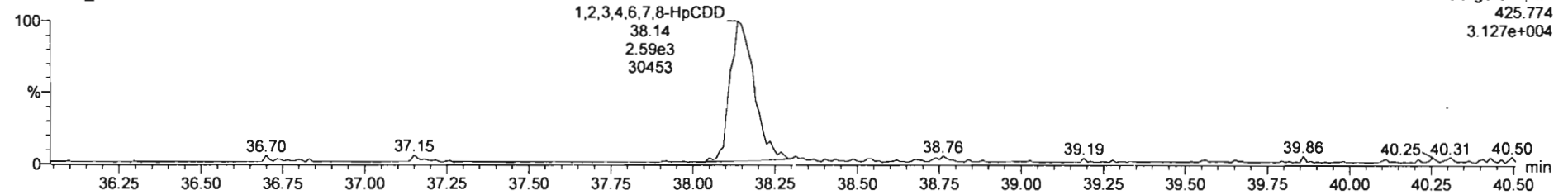
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1,2,3,4,6,7,8-HpCDD

201020R1_1

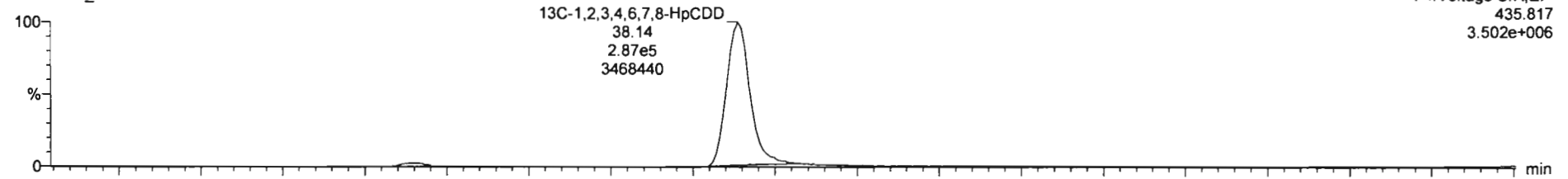


201020R1_1

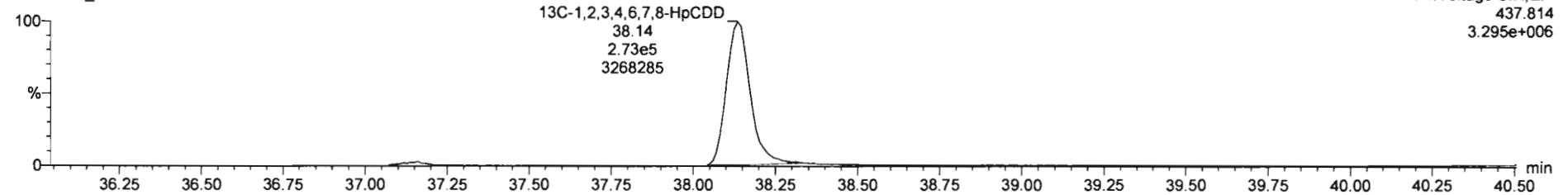


13C-1,2,3,4,6,7,8-HpCDD

201020R1_1



201020R1_1



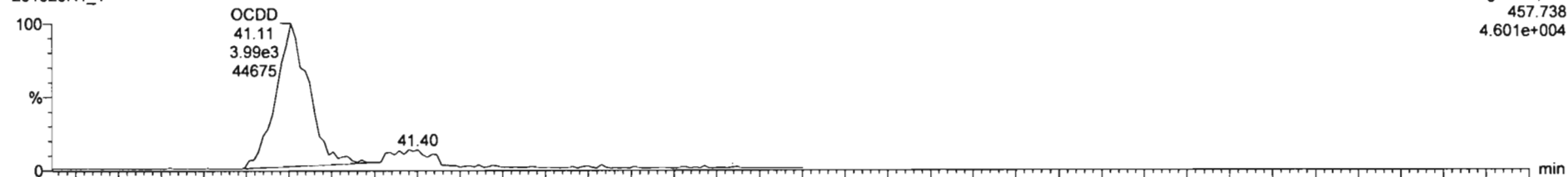
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Last Altered: Tuesday, October 20, 2020 15:17:40 Pacific Daylight Time
Printed: Tuesday, October 20, 2020 15:18:47 Pacific Daylight Time

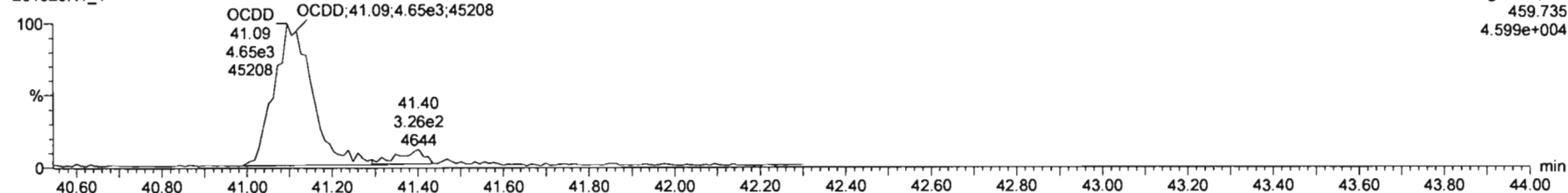
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OCDD

201020R1_1



201020R1_1

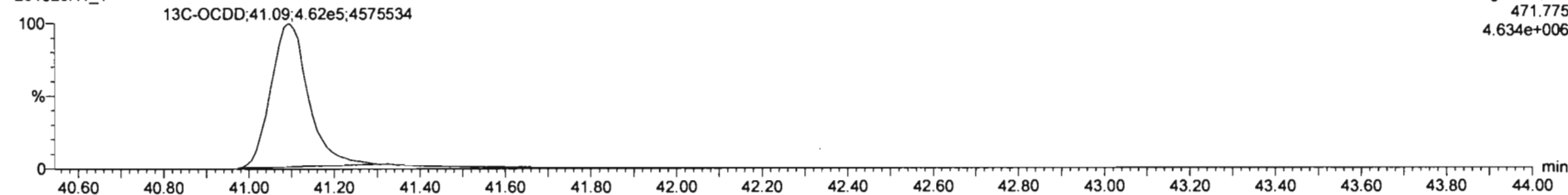


13C-OCDD

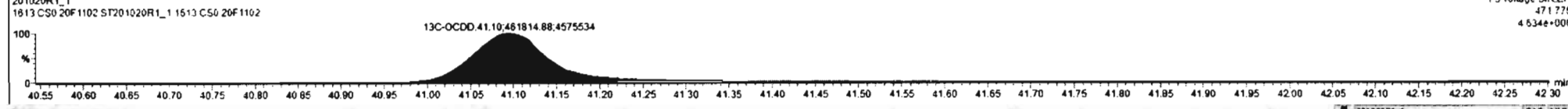
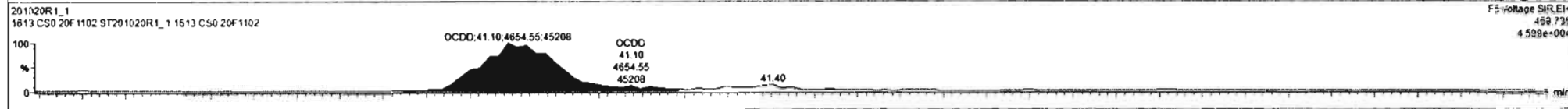
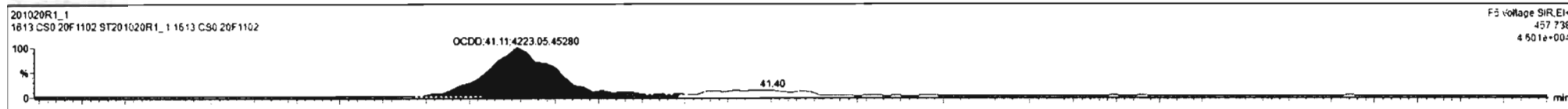
201020R1_1



201020R1_1



ID	Name	RT	RA	yth	Area	ISArea	Std Conc	%Dev	MUSD	RRF M...	RRF SD
1	2,3,7,8-TCDD	26.29	0.811	NO	2.3678e3	1.1112e6	0.250	-10.3	11.0	0.950	0.105
2	1,2,3,7,8-PeCDD	30.96	0.590	NO	8.5438e3	8.6783e5	1.250	-11.0	9.58	0.885	0.0848
3	1,2,3,4,7,8-HxCDD	34.28	1.201	NO	6.9948e3	6.2109e5	1.250	-11.5	10.0	1.02	0.102
4	1,2,3,6,7,8-HxCDD	34.41	1.167	NO	7.9514e3	7.3828e5	1.250	-5.5	9.25	0.915	0.0846
5	1,2,3,7,8,9-HxCDD	34.67	1.172	NO	6.8531e3	6.6908e5	1.250	-11.8	11.1	0.934	0.104
6	1,2,3,4,6,7,8-HpCDD	38.18	1.007	NO	5.1934e3	5.5958e5	1.250	-14.8	11.7	0.870	0.102
7	OCDD	41.11	0.907	NO	8.6776e3	8.8555e5	2.500	-8.9	10.3	0.872	0.0919
8	2,3,7,8-TCDF	25.61	0.746	NO	2.6093e3	1.6318e6	0.250	-11.0	11.0	0.824	0.0906
9	1,2,3,7,8-PeCDF	29.71	1.604	NO	1.3382e4	1.2209e6	1.250	-8.9	8.34	0.963	0.0802
10	2,3,4,7,8-PeCDF	30.76	1.584	NO	1.3928e4	1.1562e6	1.250	-9.8	8.76	1.07	0.0936
11	1,2,3,4,7,8-HxCDF	33.37	1.212	NO	8.7459e3	8.6452e5	1.250	-15.1	11.9	0.953	0.113
12	1,2,3,6,7,8-HxCDF	33.50	1.181	NO	1.0004e4	9.1504e5	1.250	-13.2	11.1	1.01	0.112
13	2,3,4,6,7,8-HxCDF	34.18	1.193	NO	8.9325e3	8.2819e5	1.250	-12.9	11.8	0.991	0.117
14	1,2,3,7,8,9-HxCDF	35.18	1.232	NO	7.1694e3	6.8684e5	1.250	-12.3	12.3	0.951	0.117
15	1,2,3,4,6,7,8-HpCDF	36.74	0.945	NO	6.7951e3	6.4927e5	1.250	-16.2	14.9	0.998	0.149
16	1,2,3,4,7,8,9-HpCDF	38.77	1.017	NO	5.8287e3	4.7816e5	1.250	-13.2	12.2	1.12	0.137
17	OCDF	41.38	0.842	NO	9.8161e3	1.0480e6	2.500	-13.7	12.2	0.868	0.106
18	13C-2,3,7,8-TCDD	28.27	0.787	NO	1.1112e6	1.0450e6	100.000	-4.1	3.19	1.11	0.0354
19	13C-1,2,3,7,8-PeCDD	30.94	0.620	NO	8.6763e5	1.0450e6	100.000	-3.3	6.80	0.859	0.0584
20	13C-1,2,3,4,7,8-HxCDD	34.27	1.276	NO	6.2109e5	9.3577e5	100.000	-5.1	7.67	0.700	0.0537
21	13C-1,2,3,6,7,8-HxCDD	34.38	1.270	NO	7.3828e5	9.3577e5	100.000	-5.5	6.74	0.833	0.0581



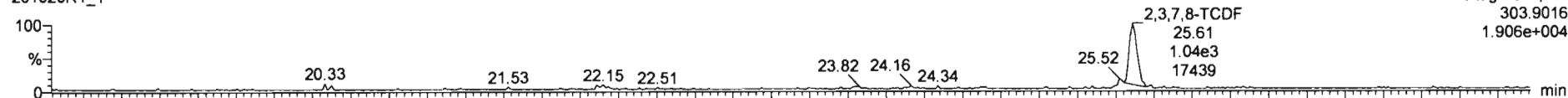
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Printed: Tuesday, October 20, 2020 15:18:47 Pacific Daylight Time

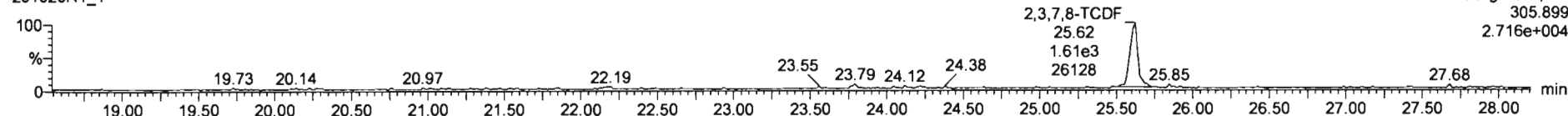
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2,3,7,8-TCDF

201020R1_1

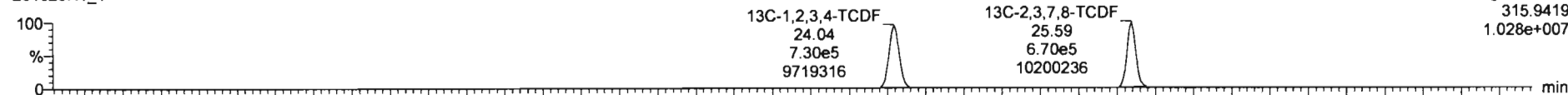


201020R1_1

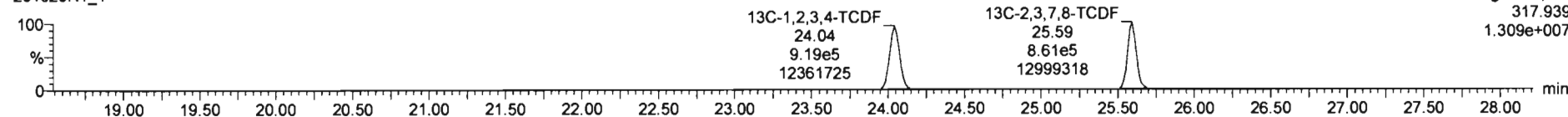


13C-2,3,7,8-TCDF

201020R1_1

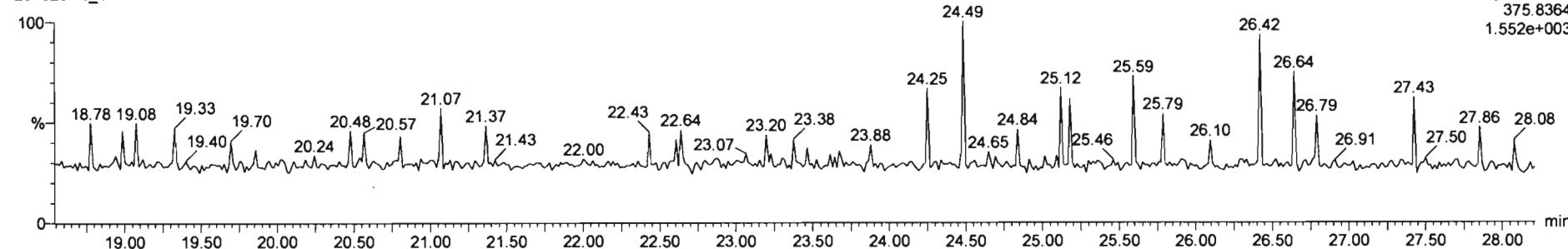


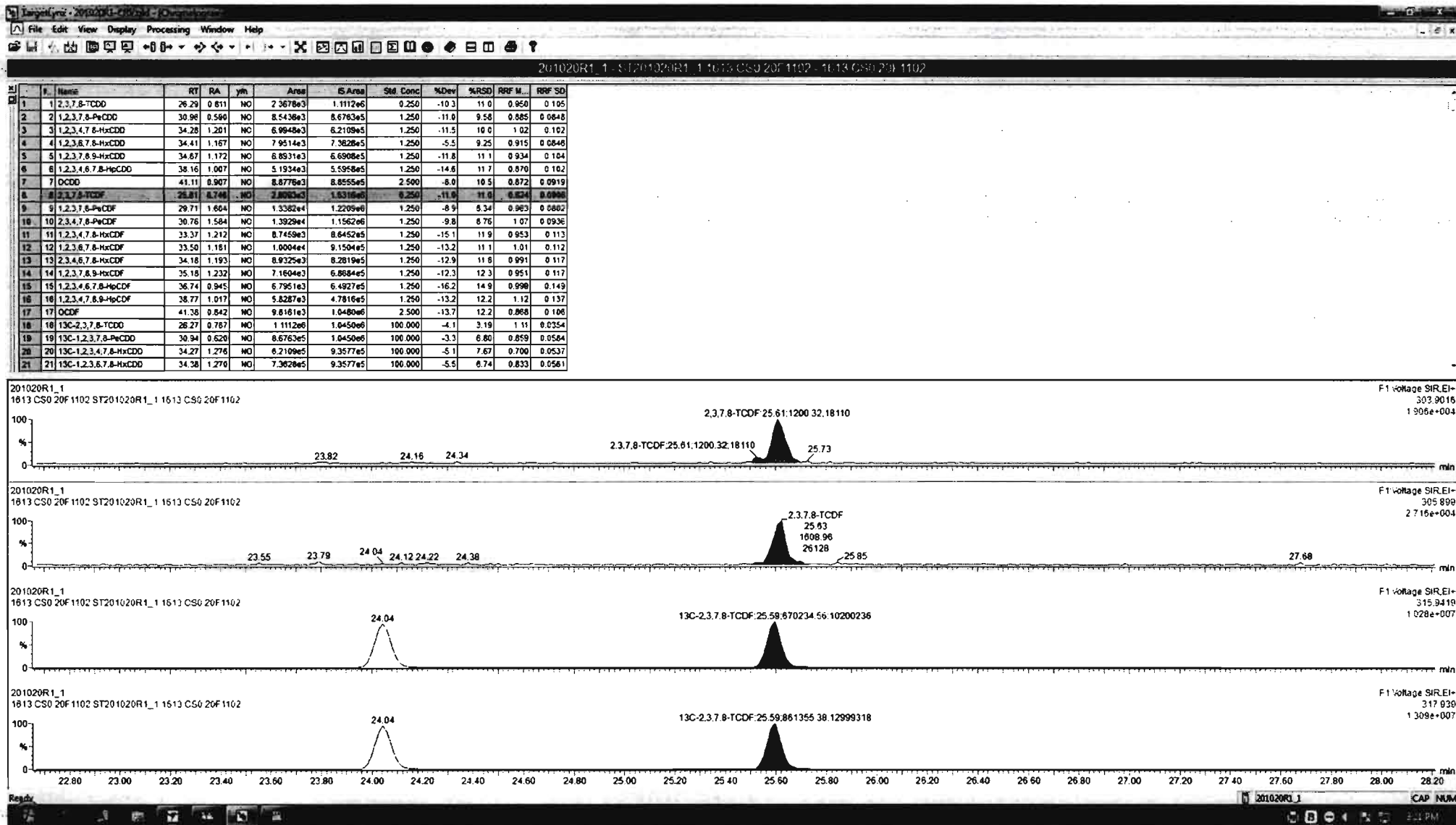
201020R1_1



DPE1

201020R1_1





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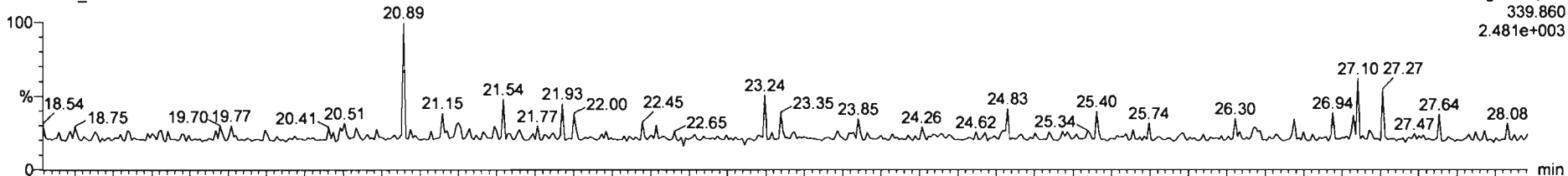
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Name: 201020R1_1, Date: 20-Oct-2020, Time: 09:17:10, ID: ST201020R1_1 1613 CS0 20F1102, Description: 1613 CS0 20F1102

1st Func. Penta-Furans

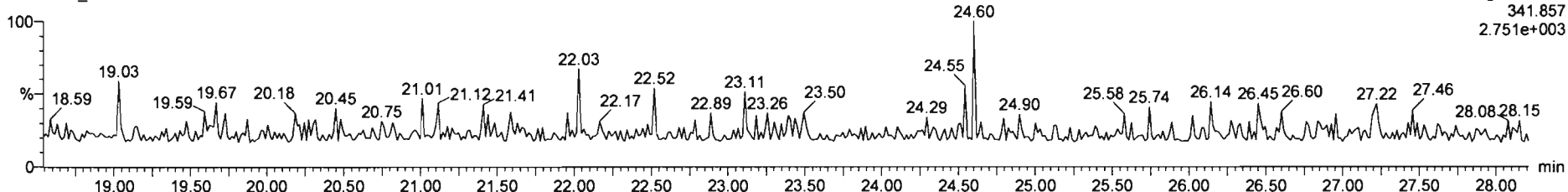
201020R1_1

F1:Voltage SIR,EI+
339.860
2.481e+003



201020R1_1

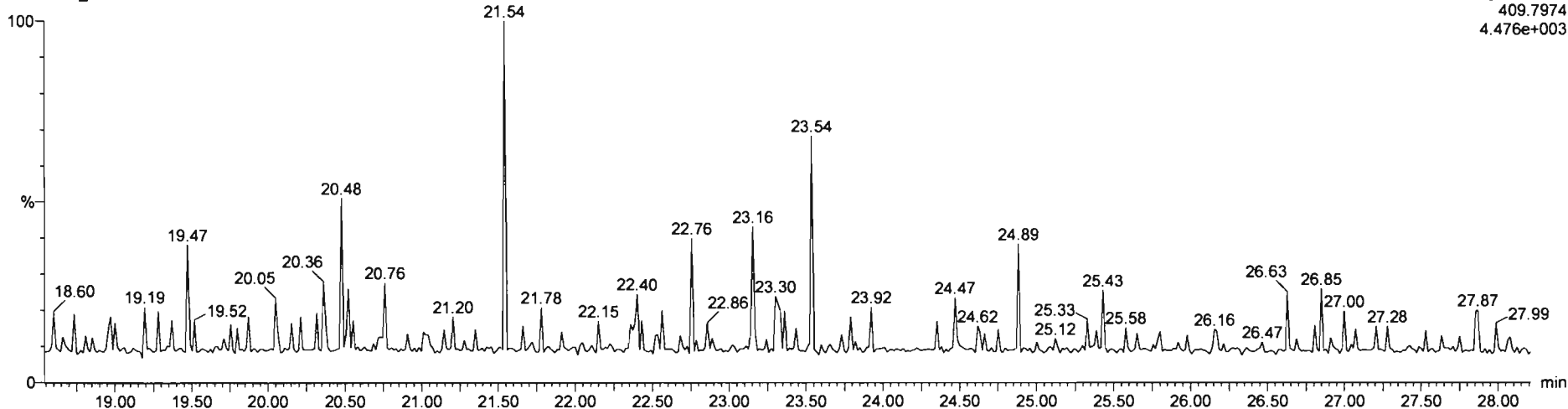
F1:Voltage SIR,EI+
341.857
2.751e+003



DPE6

201020R1_1

F1:Voltage SIR,EI+
409.7974
4.476e+003



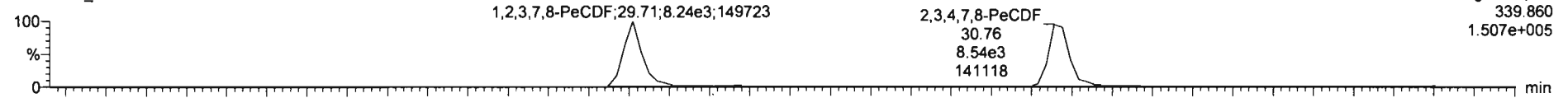
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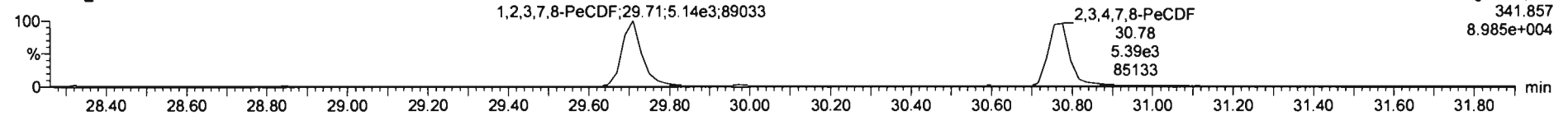
1,2,3,7,8-PeCDF

201020R1_1



F2: Voltage SIR, EI+
339.860
1.507e+005

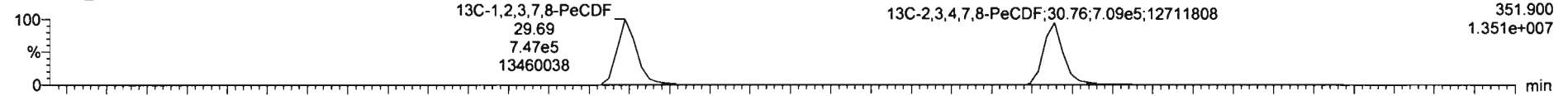
201020R1_1



F2: Voltage SIR, EI+
341.857
8.985e+004

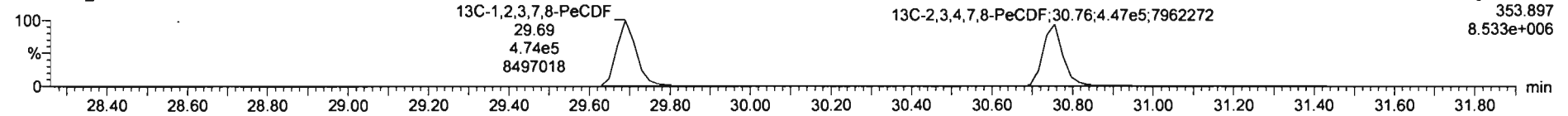
13C-1,2,3,7,8-PeCDF

201020R1_1



F2: Voltage SIR, EI+
351.900
1.351e+007

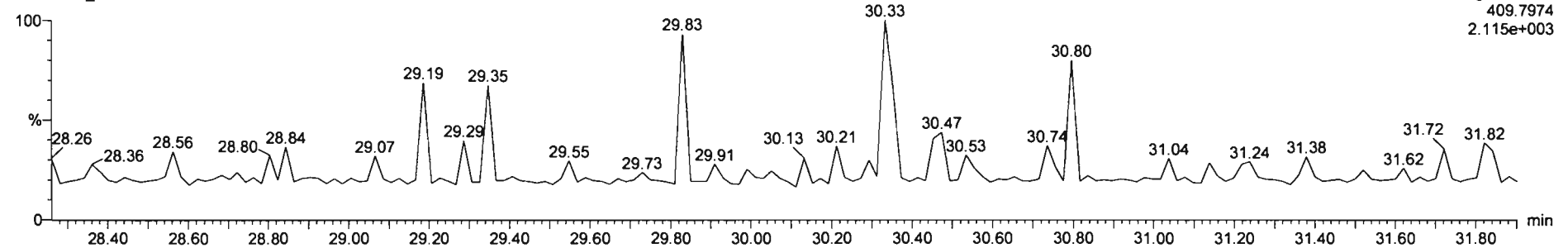
201020R1_1



F2: Voltage SIR, EI+
353.897
8.533e+006

DPE2

201020R1_1



F2: Voltage SIR, EI+
409.7974
2.115e+003

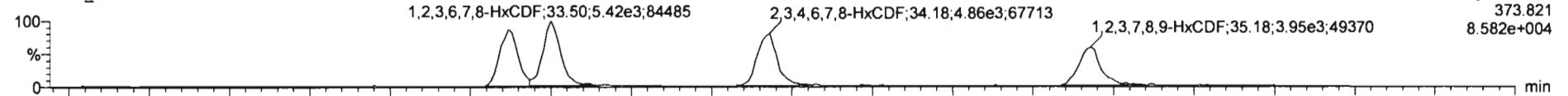
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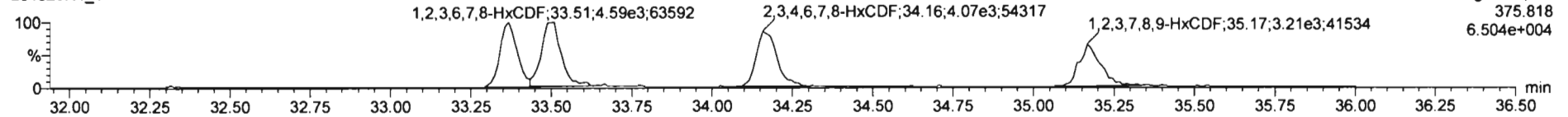
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1,2,3,4,7,8-HxCDF

201020R1_1

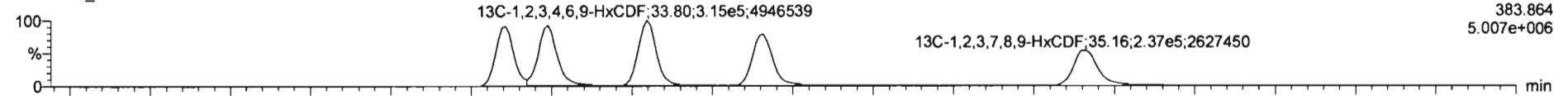


201020R1_1

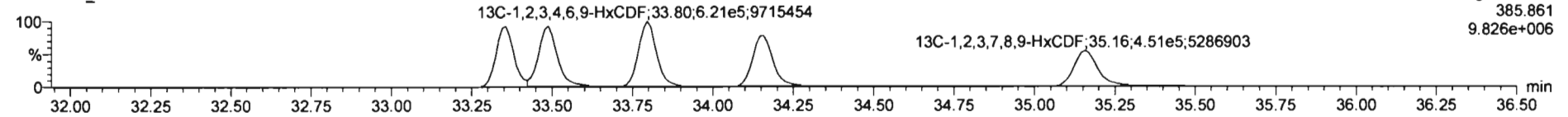


13C-1,2,3,4,7,8-HxCDF

201020R1_1

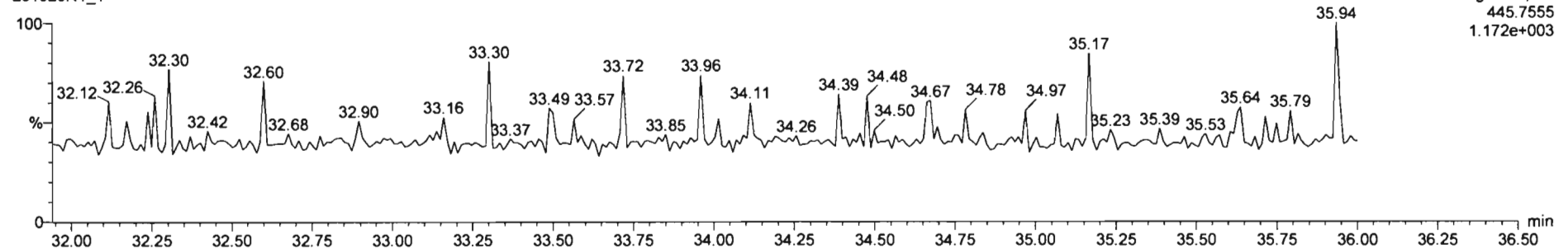


201020R1_1

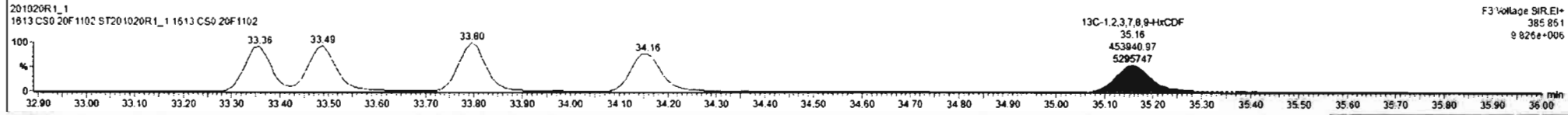
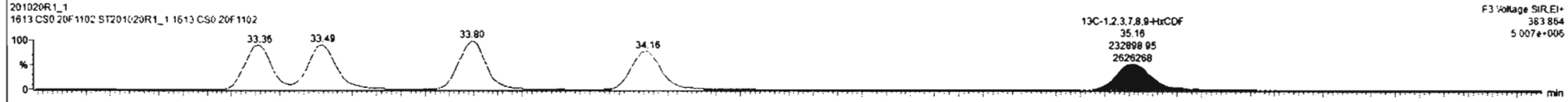
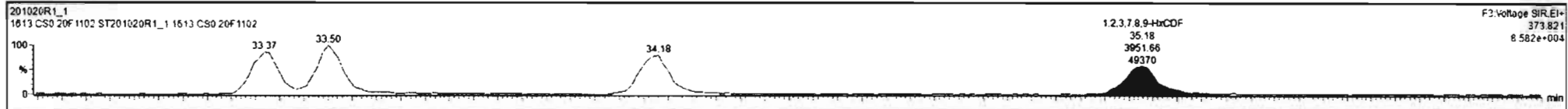


DPE3

201020R1_1



#	Name	RT	RA	yth	Area	IS Area	Std. Conc.	%Dev.	%RSD	RFM M.	RFM SD
1	1,2,3,7,8-TCDD	26.29	0.811	NO	2.3678e3	1.1112e6	0.250	-10.3	11.0	0.950	0.105
2	1,2,3,7,8-PeCDD	30.96	0.590	NO	8.5436e3	8.6783e5	1.250	-11.0	9.58	0.885	0.0848
3	1,2,3,4,7,8-HxCDD	34.28	1.201	NO	6.9648e3	6.2109e5	1.250	-11.5	10.0	1.02	0.102
4	1,2,3,6,7,8-HxCDD	34.41	1.167	NO	7.9514e3	7.3828e5	1.250	-5.5	9.25	0.915	0.0848
5	1,2,3,7,8,9-HxCDD	34.67	1.172	NO	6.8931e3	6.6908e5	1.250	-11.8	11.1	0.934	0.104
6	1,2,3,4,6,7,8-HpCDD	38.16	1.007	NO	5.1934e3	5.5958e5	1.250	-14.8	11.7	0.870	0.102
7	OCDD	41.11	0.907	NO	8.8778e3	8.8559e5	2.500	-8.0	10.5	0.872	0.0919
8	2,3,7,8-TCDF	25.81	0.746	NO	2.8090e3	1.5318e6	0.250	-11.0	11.0	0.824	0.0908
9	1,2,3,7,8-PeCDF	29.71	1.604	NO	1.3382e4	1.2205e6	1.250	-8.9	8.34	0.983	0.0802
10	2,3,4,7,8-PeCDF	30.76	1.584	NO	1.3929e4	1.1562e6	1.250	-9.8	8.76	1.07	0.0936
11	1,2,3,4,7,8-HxCDF	33.37	1.212	NO	8.7459e3	8.6452e5	1.250	-15.1	11.9	0.953	0.113
12	1,2,3,6,7,8-HxCDF	33.50	1.181	NO	1.0094e4	9.1504e5	1.250	-13.2	11.1	1.01	0.112
13	2,3,4,6,7,8-HxCDF	34.18	1.193	NO	8.9325e3	8.2819e5	1.250	-12.9	11.8	0.991	0.117
14	1,2,3,7,8,9-HxCDF	35.18	1.232	NO	7.1864e3	8.8884e5	1.250	-12.3	12.3	0.951	0.117
15	1,2,3,4,6,7,8-HpCDF	36.74	0.945	NO	6.7951e3	6.4927e5	1.250	-16.2	14.9	0.998	0.149
16	1,2,3,4,7,8,9-HpCDF	38.77	1.017	NO	5.8287e3	4.7816e5	1.250	-13.2	12.2	1.12	0.137
17	OCDF	41.38	0.842	NO	9.8161e3	1.0480e6	2.500	-13.7	12.2	0.868	0.106
18	13C-2,3,7,8-TCDD	26.27	0.787	NO	1.1112e6	1.0450e6	100.000	-4.1	3.19	1.11	0.0354
19	13C-1,2,3,7,8-PeCDD	30.94	0.620	NO	8.6763e3	1.0450e6	100.000	-3.3	6.80	0.859	0.0584
20	13C-1,2,3,4,7,8-HxCDD	34.27	1.278	NO	6.2109e5	9.3577e5	100.000	-5.1	7.67	0.700	0.0537
21	13C-1,2,3,6,7,8-HxCDD	34.38	1.278	NO	7.3628e5	9.3577e5	100.000	-5.5	6.74	0.833	0.0581

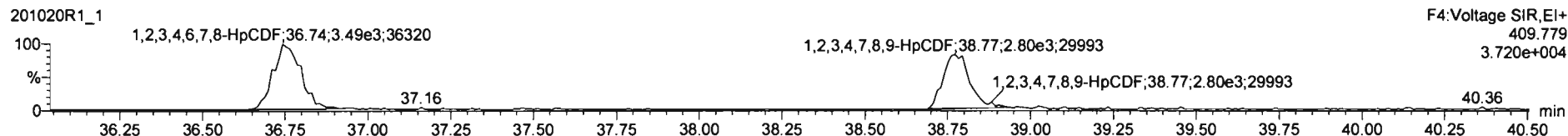
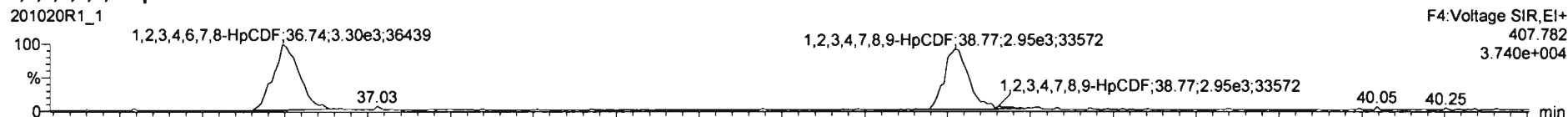


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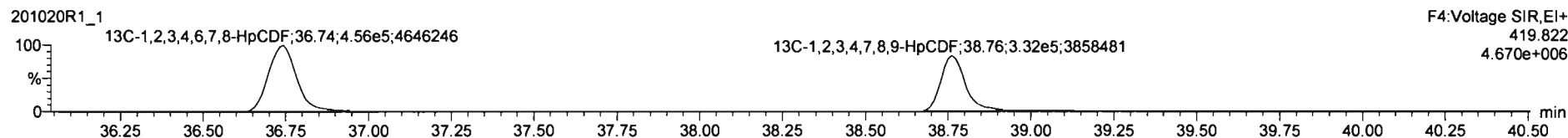
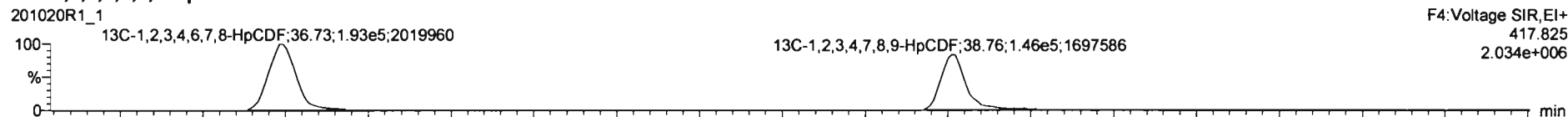
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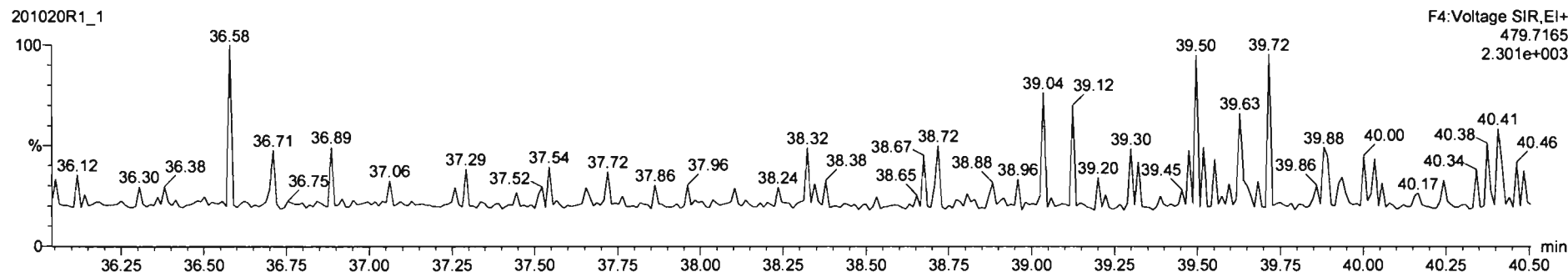
1,2,3,4,6,7,8-HpCDF



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

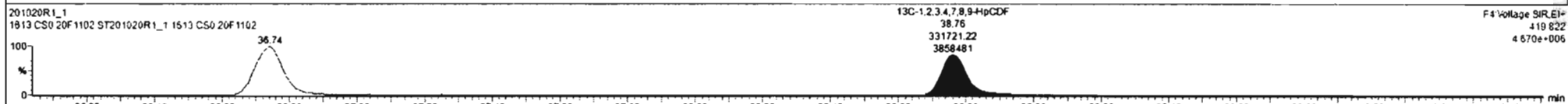
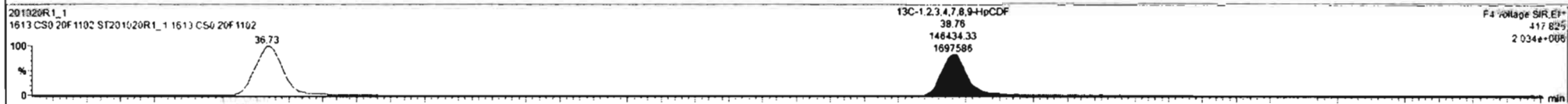
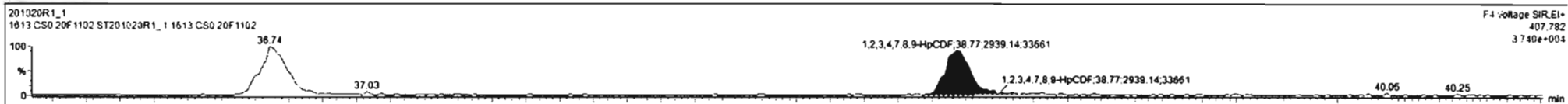


DPE4



201020R1_1 - ST201020R1_1 1613 CS0 20F 1102 - 1613 CS0 20F 1102

#	Name	RT	RA	Yth	Area	IS Area	Std. Conc	N.Dev.	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.29	0.811	NO	2.3678e3	1.1112e6	0.250	-10.3	11.0	0.950	0.105
2	1,2,3,7,8-PeCDD	30.96	0.590	NO	8.5436e3	8.6763e5	1.250	-11.0	9.58	0.885	0.0848
3	1,2,3,4,7,8-HxCDD	34.28	1.201	NO	8.9948e3	6.2109e5	1.250	-11.5	10.0	1.02	0.102
4	1,2,3,6,7,8-HxCDD	34.41	1.167	NO	7.9514e3	7.3828e5	1.250	-5.5	9.25	0.915	0.0848
5	1,2,3,7,8,9-HxCDD	34.67	1.172	NO	6.8531e3	6.6908e5	1.250	-11.8	11.1	0.934	0.104
6	1,2,3,4,6,7,8-HpCDD	38.16	1.007	NO	5.1934e3	5.5958e5	1.250	-14.8	11.7	0.970	0.102
7	OCDD	41.11	0.907	NO	8.6778e3	8.8555e5	2.500	-8.0	10.5	0.872	0.0919
8	2,3,7,8-TCDF	25.61	0.746	NO	2.6093e3	1.5316e6	0.250	-11.0	11.0	0.824	0.0906
9	1,2,3,7,8-PeCDF	29.71	1.604	NO	1.3382e4	1.2205e6	1.250	-8.9	8.34	0.963	0.0802
10	2,3,4,7,8-PeCDF	30.76	1.584	NO	1.3929e4	1.1562e6	1.250	-9.8	8.76	1.07	0.0936
11	1,2,3,4,7,8-HxCDF	33.37	1.212	NO	8.7459e3	8.6452e5	1.250	-15.1	11.9	0.953	0.113
12	1,2,3,6,7,8-HxCDF	33.50	1.181	NO	1.0004e4	9.1504e5	1.250	-13.2	11.1	1.01	0.112
13	2,3,4,6,7,8-HxCDF	34.18	1.193	NO	8.9325e3	8.2819e5	1.250	-12.9	11.8	0.991	0.117
14	1,2,3,7,8,9-HxCDF	35.18	1.232	NO	7.1604e3	6.8684e5	1.250	-12.3	12.3	0.951	0.117
15	1,2,3,4,6,7,8-HpCDF	36.74	0.945	NO	6.7951e3	6.4927e5	1.250	-16.2	14.9	0.998	0.149
16	1,2,3,4,7,8,9-HpCDF	38.77	1.817	NO	5.8077e3	4.7818e5	1.250	-13.2	12.2	1.12	0.137
17	OCDF	41.38	0.842	NO	9.8181e3	1.0480e6	2.500	-13.7	12.2	0.866	0.106
18	13C-2,3,7,8-TCDD	26.27	0.787	NO	1.1112e6	1.0450e6	100.000	-4.1	3.19	1.11	0.0354
19	13C-1,2,3,7,8-PeCDD	30.94	0.620	NO	8.6763e5	1.0450e6	100.000	-3.3	6.80	0.859	0.0584
20	13C-1,2,3,4,7,8-HxCDD	34.27	1.276	NO	6.2109e5	9.3577e5	100.000	-5.1	7.67	0.706	0.0537
21	13C-1,2,3,6,7,8-HxCDD	34.38	1.270	NO	7.3828e5	9.3577e5	100.000	-5.5	6.74	0.833	0.0561

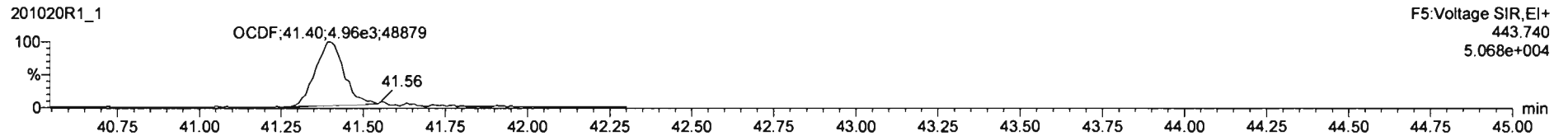
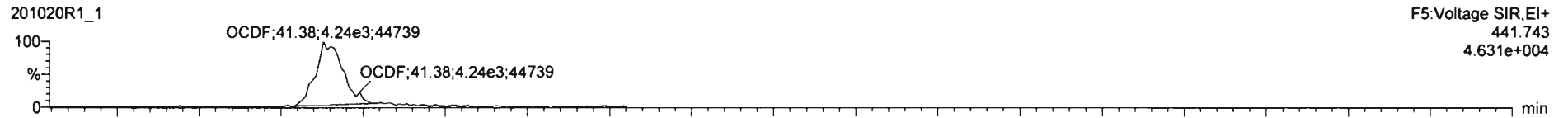


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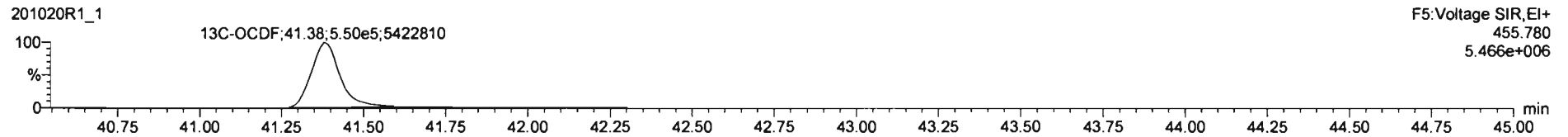
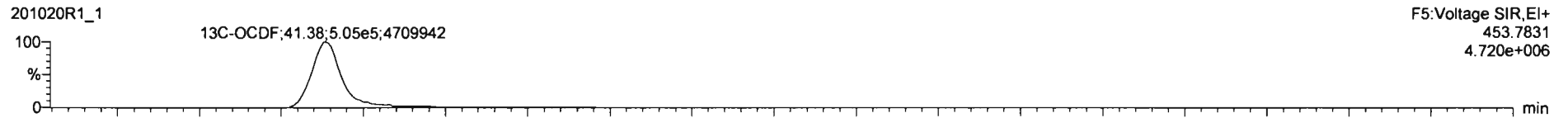
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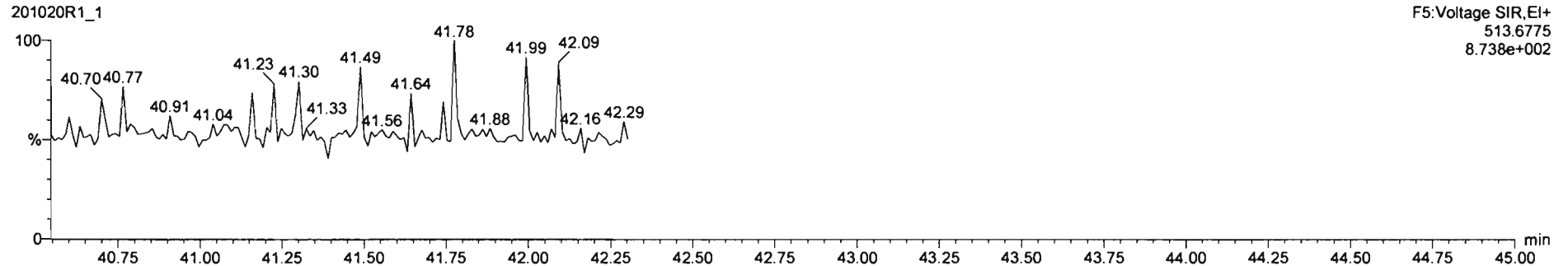
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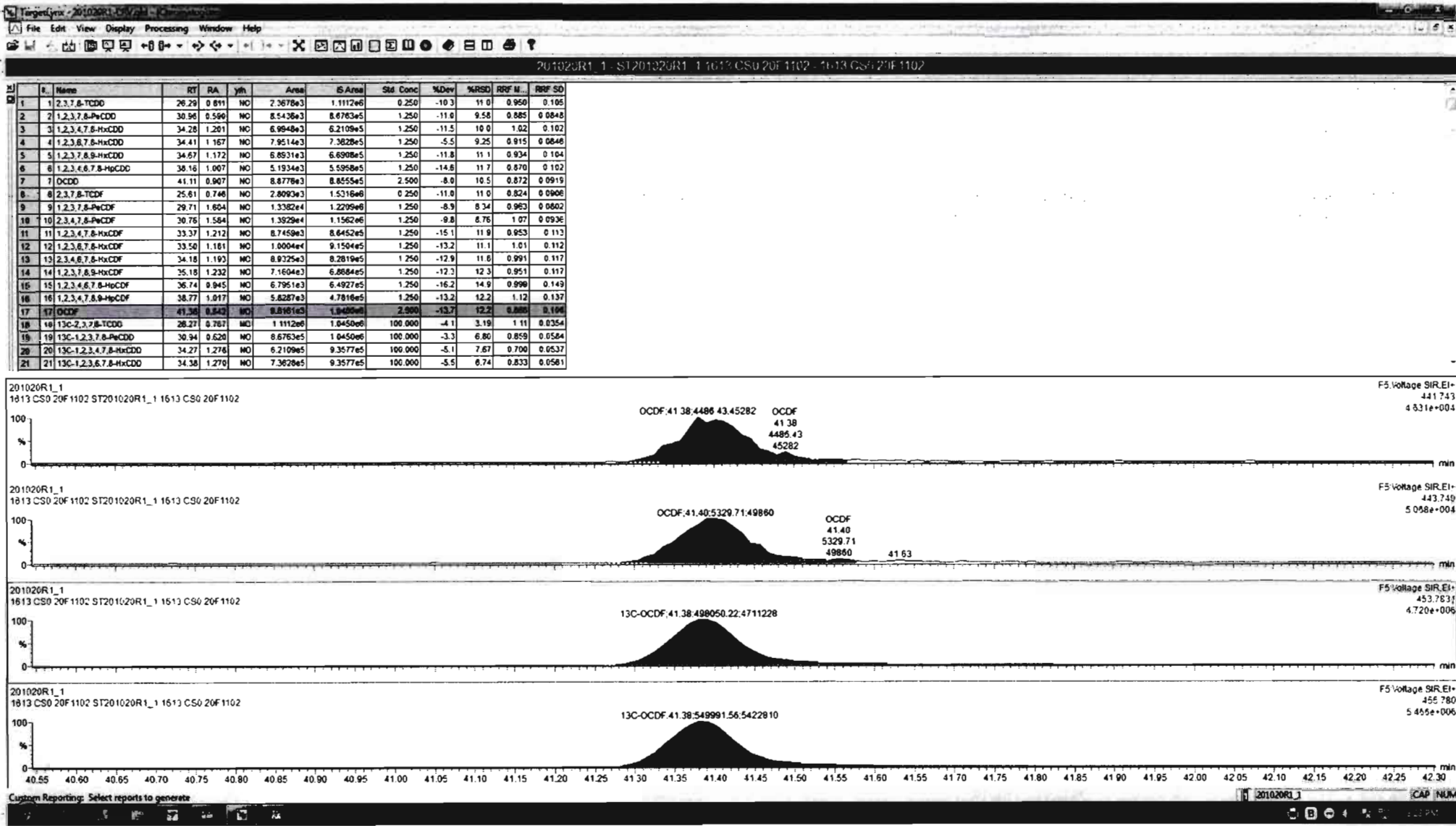


13C-OCDF



DPE5

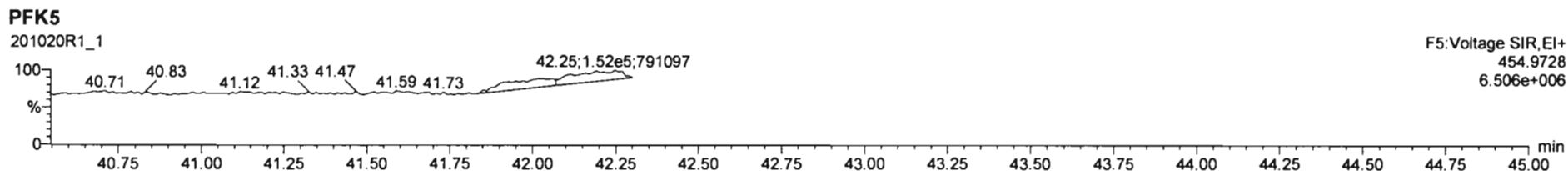
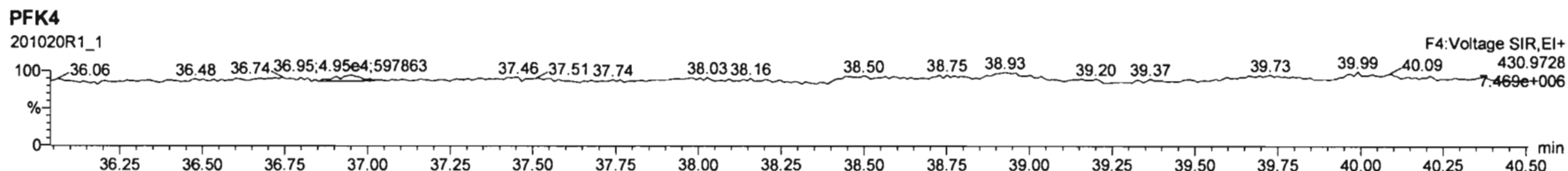
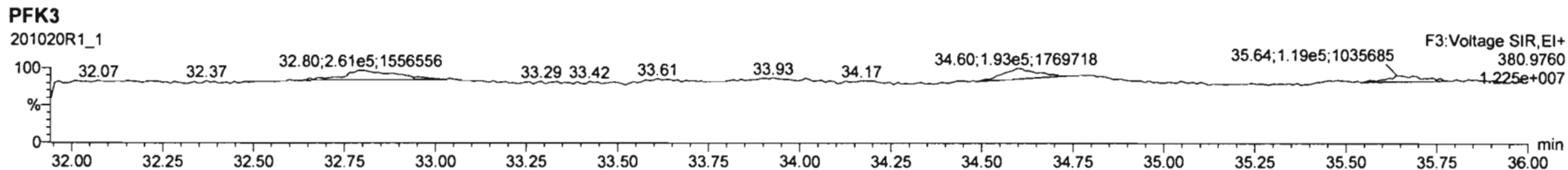
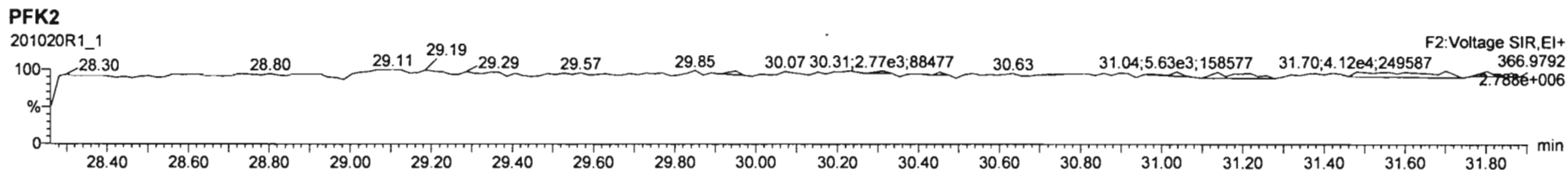
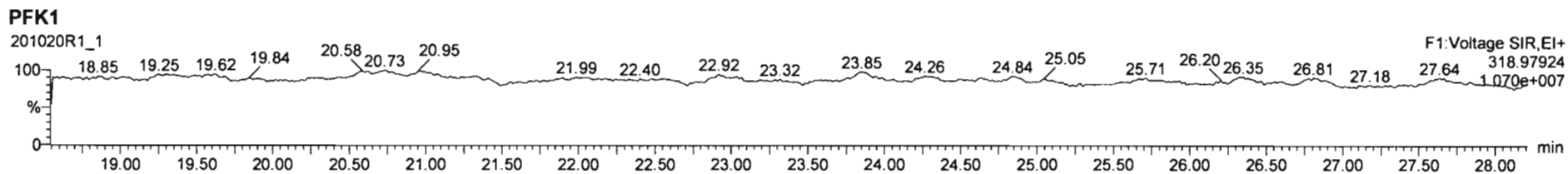




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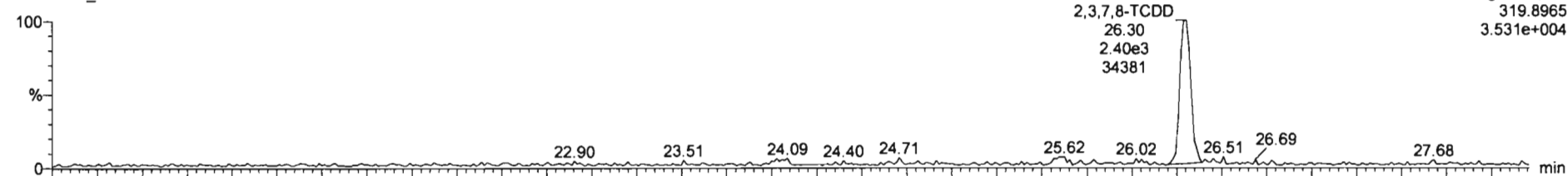
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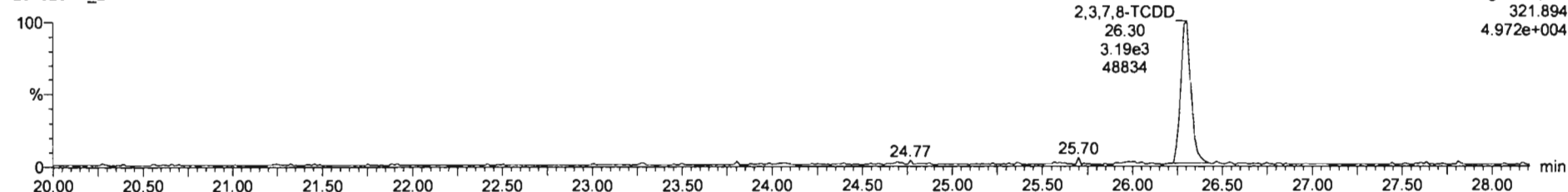
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2,3,7,8-TCDD

201020R1_2



201020R1_2

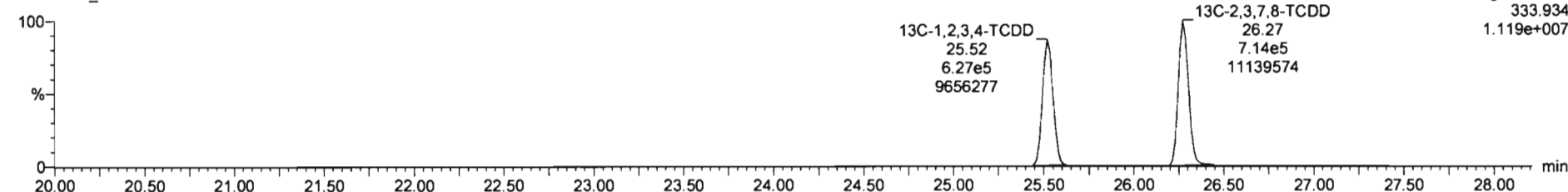


13C-2,3,7,8-TCDD

201020R1_2



201020R1_2



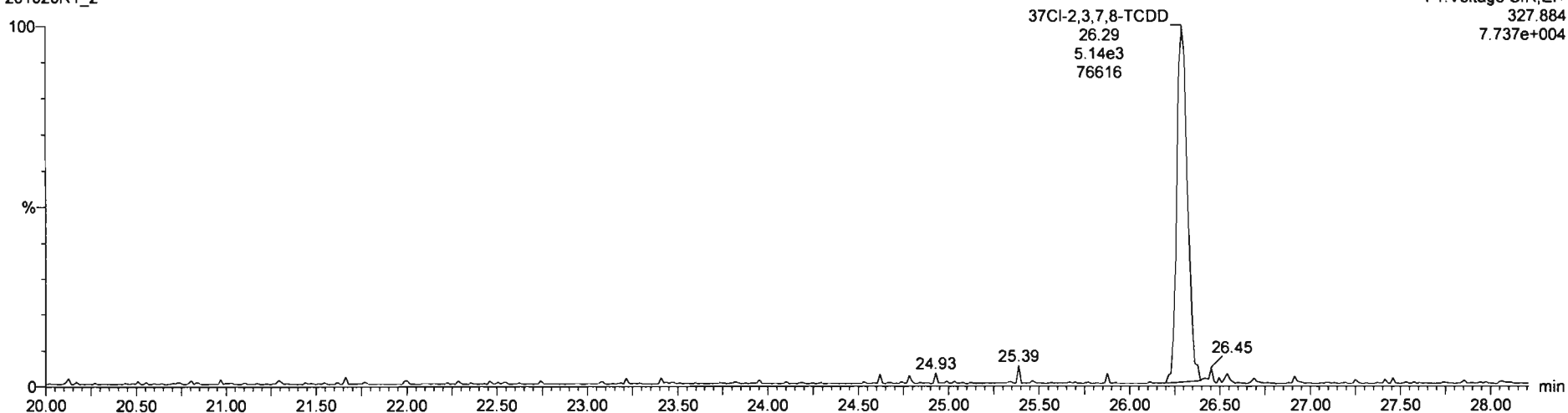
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37Cl-2,3,7,8-TCDD

201020R1_2

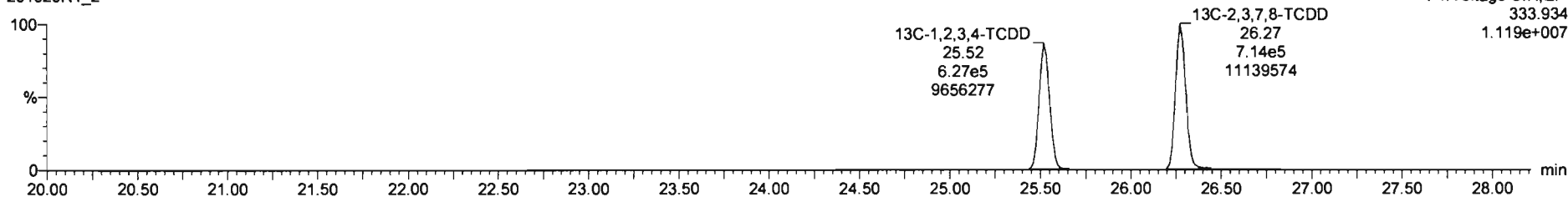


13C-1,2,3,4-TCDD

201020R1_2



201020R1_2



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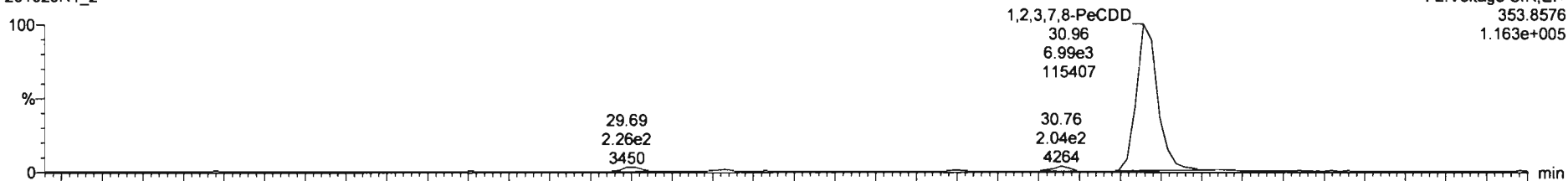
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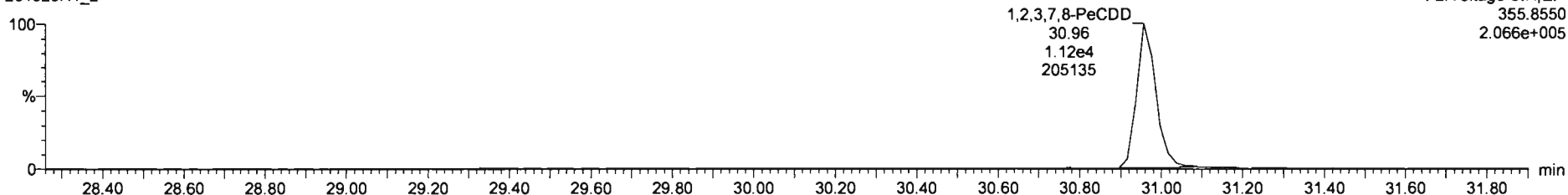
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1,2,3,7,8-PeCDD

201020R1_2

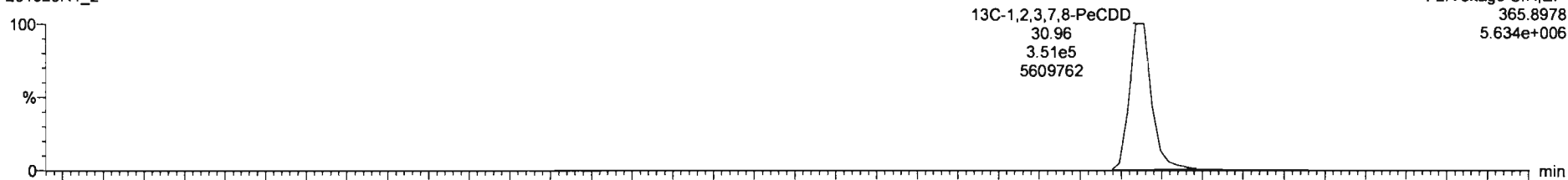


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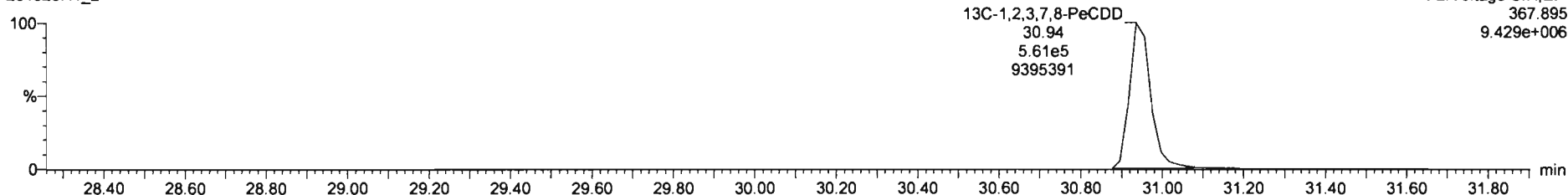


13C-1,2,3,7,8-PeCDD

201020R1_2



201020R1_2



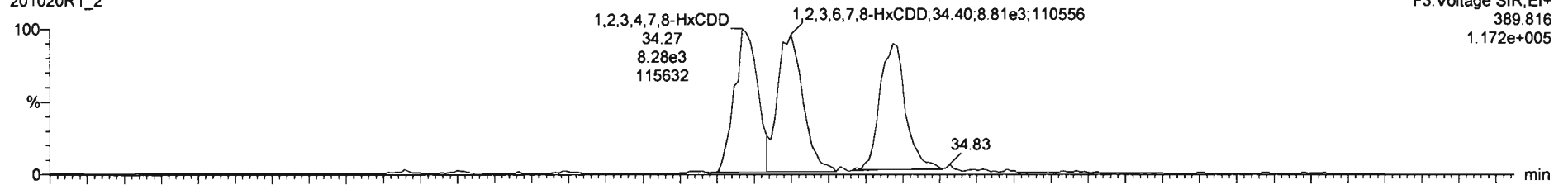
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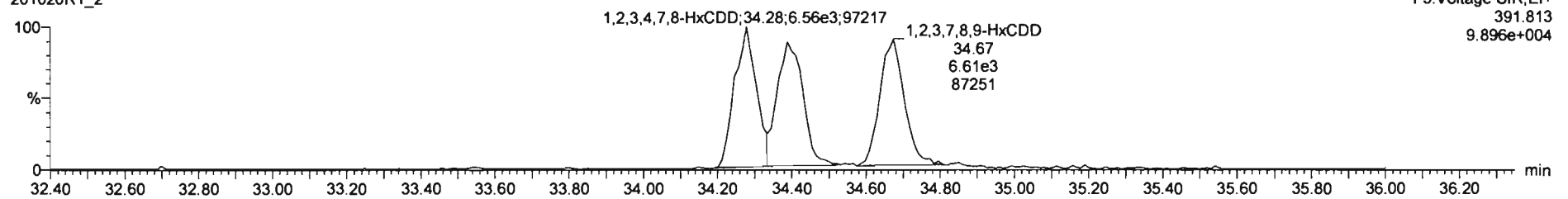
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1,2,3,4,7,8-HxCDD

201020R1_2

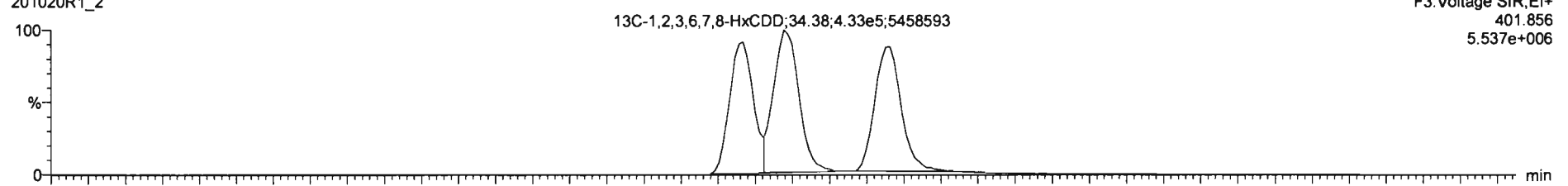


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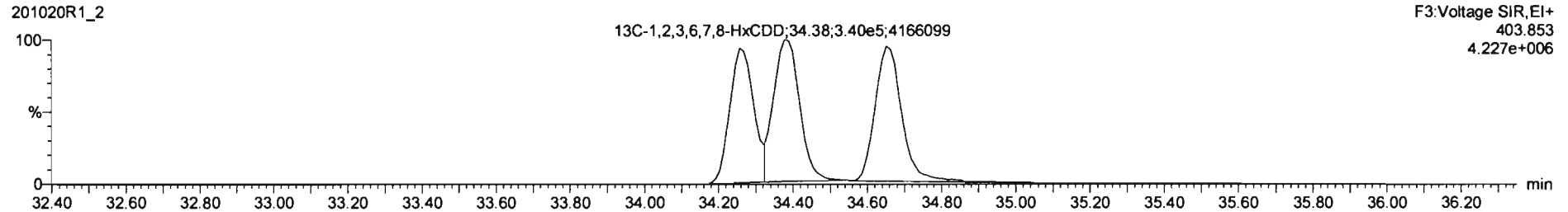


13C-1,2,3,4,7,8-HxCDD

201020R1_2



201020R1_2



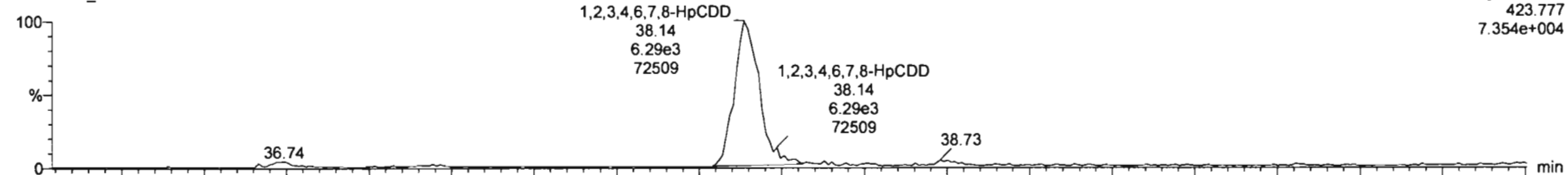
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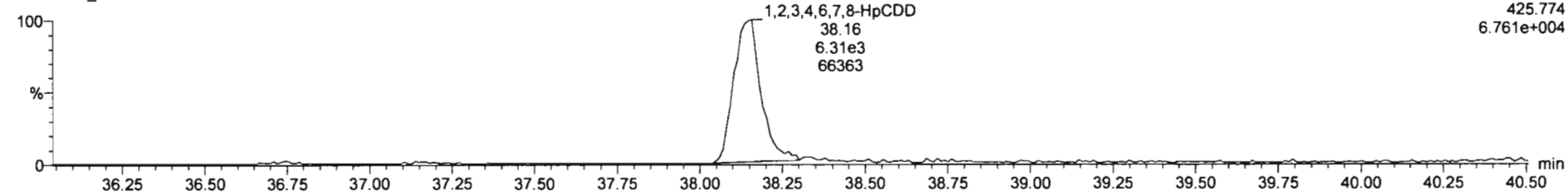
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1,2,3,4,6,7,8-HpCDD

201020R1_2

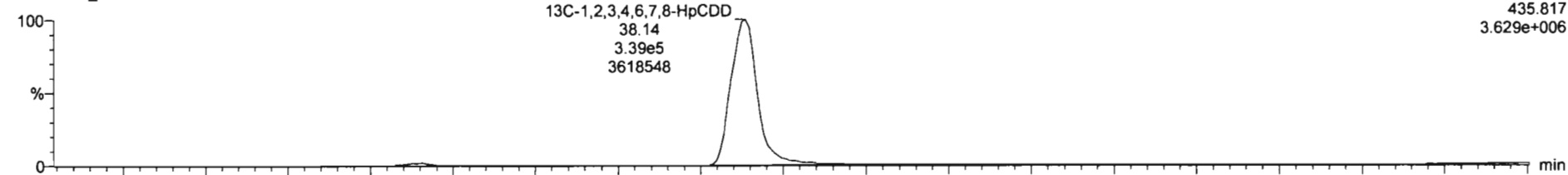


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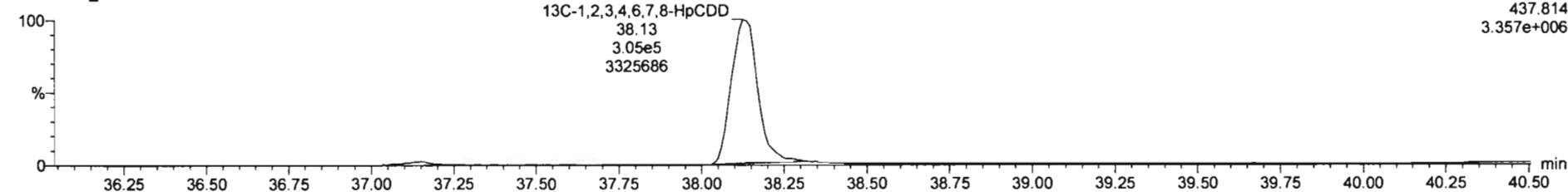


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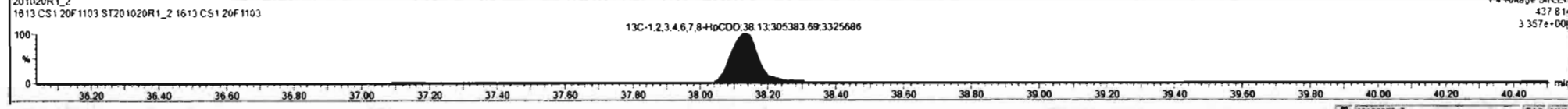
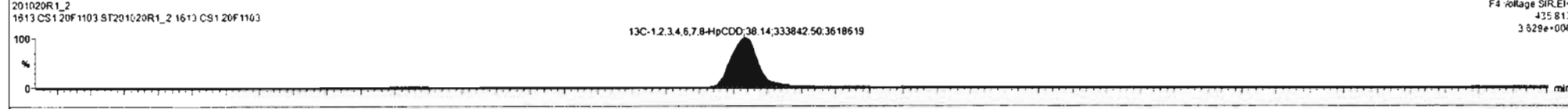
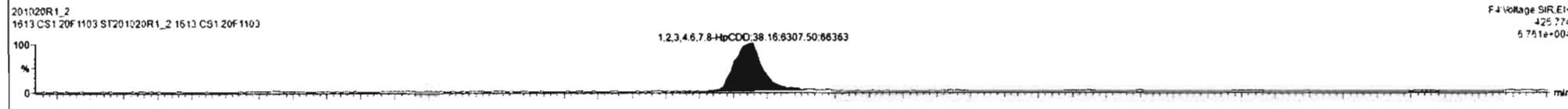
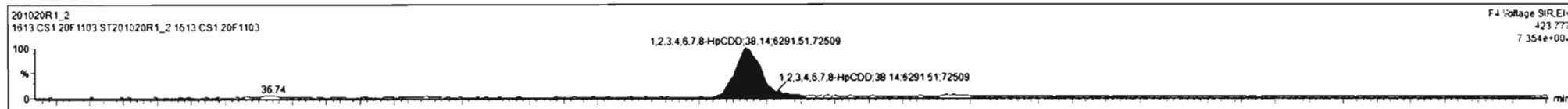
201020R1_2



201020R1_2



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1	1,2,3,7,8-TCDD	26.31	0.754	NO	5.5896e3	1.2795e6	0.500	-8.0	11.0	0.950	0.105
2	1,2,3,7,8-PeCDD	30.96	0.625	NO	1.8194e4	9.1149e5	2.500	-9.8	9.58	0.885	0.0848
3	1,2,3,4,7,8-HxCDD	34.27	1.263	NO	1.4835e4	6.6505e5	2.500	-12.3	10.0	1.02	0.102
4	1,2,3,6,7,8-HxCDD	34.40	1.278	NO	1.5703e4	7.7295e5	2.500	-11.1	9.25	0.915	0.0848
5	1,2,3,7,8,9-HxCDD	34.87	1.239	NO	1.4811e4	7.1852e5	2.500	-11.8	11.1	0.934	0.104
6	1,2,3,4,6,7,8-HpCDD	36.14	0.897	NO	1.2548e4	6.3822e5	2.600	-8.0	11.7	0.876	0.182
7	OCDD	41.10	0.829	NO	2.8278e4	1.0815e6	5.000	-12.3	10.5	0.872	0.0919
8	2,3,7,8-TCDF	25.81	0.741	NO	8.3743e3	1.7020e6	0.500	-9.1	11.0	0.824	0.0906
9	1,2,3,7,8-PeCDF	29.71	1.553	NO	2.8451e4	1.3045e6	2.500	-9.4	8.34	0.983	0.0802
10	2,3,4,7,8-PeCDF	30.77	1.585	NO	3.1092e4	1.2877e6	2.500	-9.6	8.76	1.07	0.0936
11	1,2,3,4,7,8-HxCDF	33.37	1.216	NO	1.8105e4	9.2311e5	2.500	-13.2	11.9	0.853	0.113
12	1,2,3,6,7,8-HxCDF	33.50	1.289	NO	2.1295e4	9.5922e5	2.500	-11.9	11.1	1.01	0.112
13	2,3,4,6,7,8-HxCDF	34.17	1.242	NO	1.8735e4	8.7858e5	2.500	-13.9	11.6	0.991	0.117
14	1,2,3,7,8,9-HxCDF	35.18	1.196	NO	1.6178e4	7.8609e5	2.500	-14.5	12.3	0.951	0.117
15	1,2,3,4,6,7,8-HpCDF	36.73	0.858	NO	1.5353e4	7.2071e5	2.500	-14.7	14.0	0.998	0.149
16	1,2,3,4,7,8,9-HpCDF	38.77	1.063	NO	1.4403e4	5.7884e5	2.500	-11.4	12.2	1.12	0.137
17	OCDF	41.38	0.900	NO	2.3146e4	1.2351e6	5.000	-13.7	12.2	0.888	0.106
18	13C-2,3,7,8-TCDD	28.27	0.793	NO	1.2795e6	1.1246e6	100.000	2.6	3.19	1.11	0.0354
19	13C-1,2,3,7,8-PeCDD	30.96	0.626	NO	9.1149e5	1.1246e6	100.000	-5.6	6.80	0.859	0.0584
20	13C-1,2,3,4,7,8-HxCDD	34.27	1.273	NO	6.6505e5	9.7972e5	100.000	-3.0	7.67	0.700	0.0537
21	13C-1,2,3,6,7,8-HxCDD	34.38	1.275	NO	7.7295e5	9.7972e5	100.000	-5.3	6.74	0.833	0.0561



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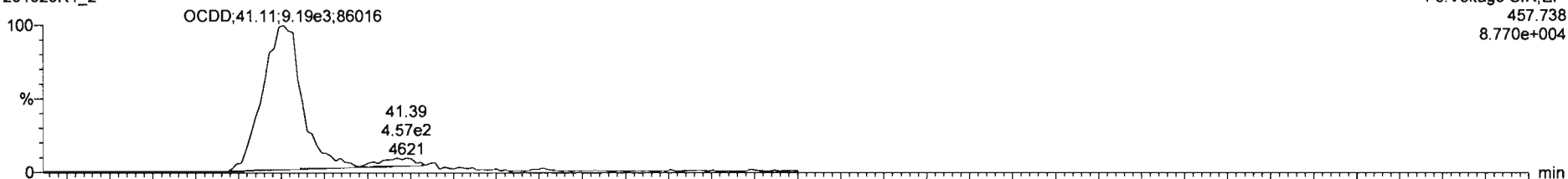
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OCDD

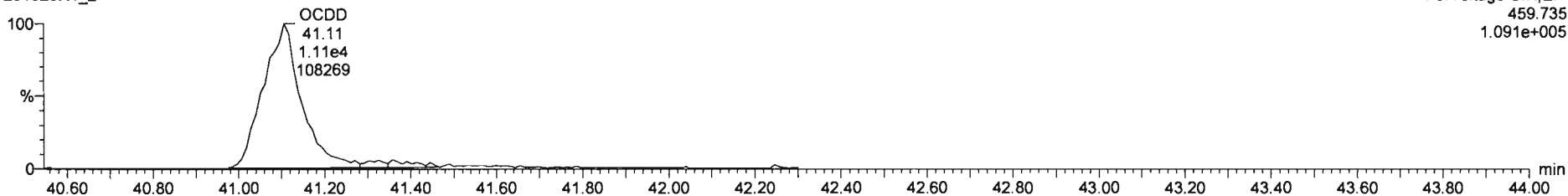
201020R1_2

F5:Voltage SIR,EI+
457.738
8.770e+004



201020R1_2

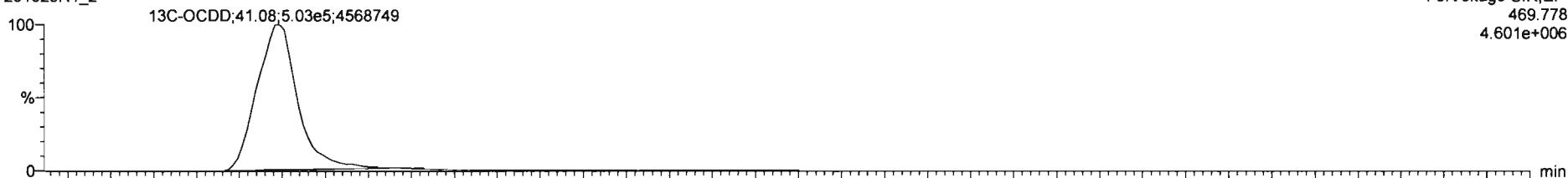
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1.091e+005



13C-OCDD

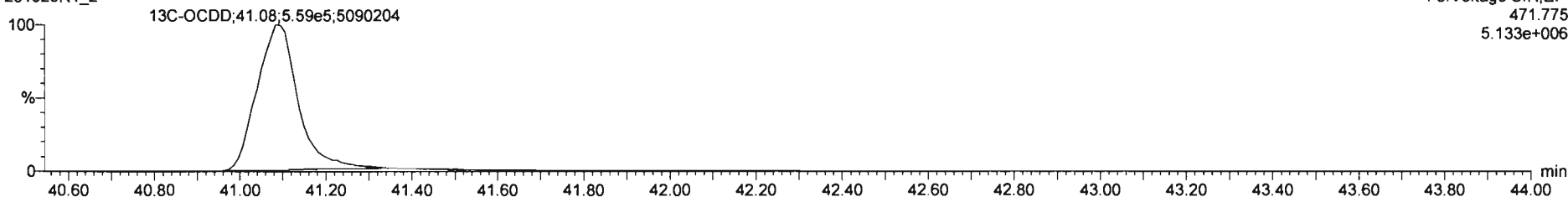
201020R1_2

F5:Voltage SIR,EI+
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201020R1_2

F5:Voltage SIR,EI+
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Dataset: Untitled

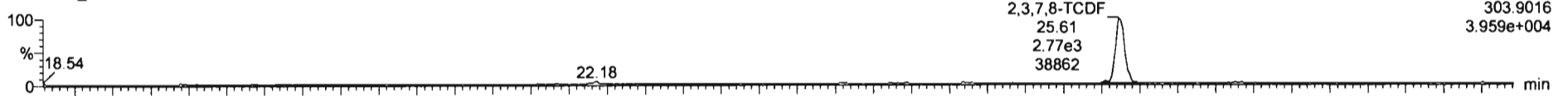
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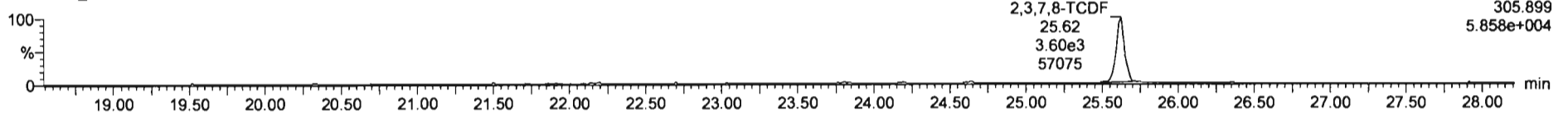
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2,3,7,8-TCDF

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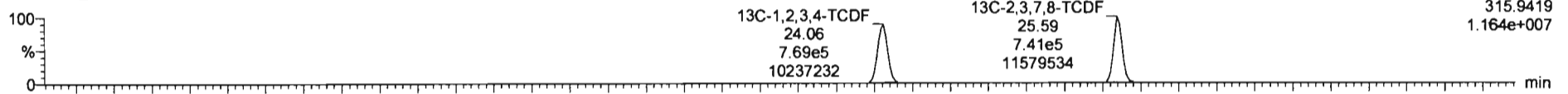


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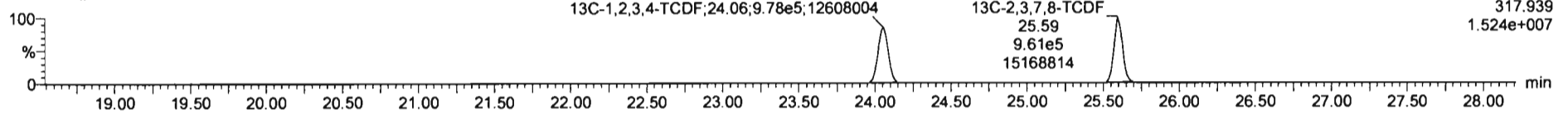


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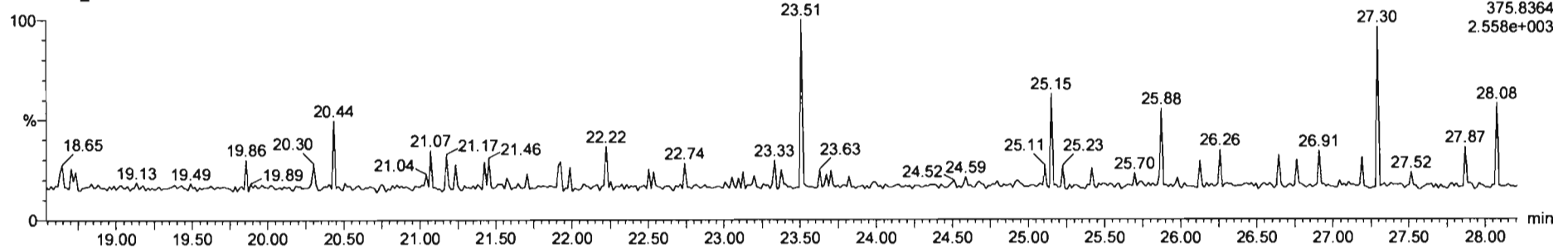


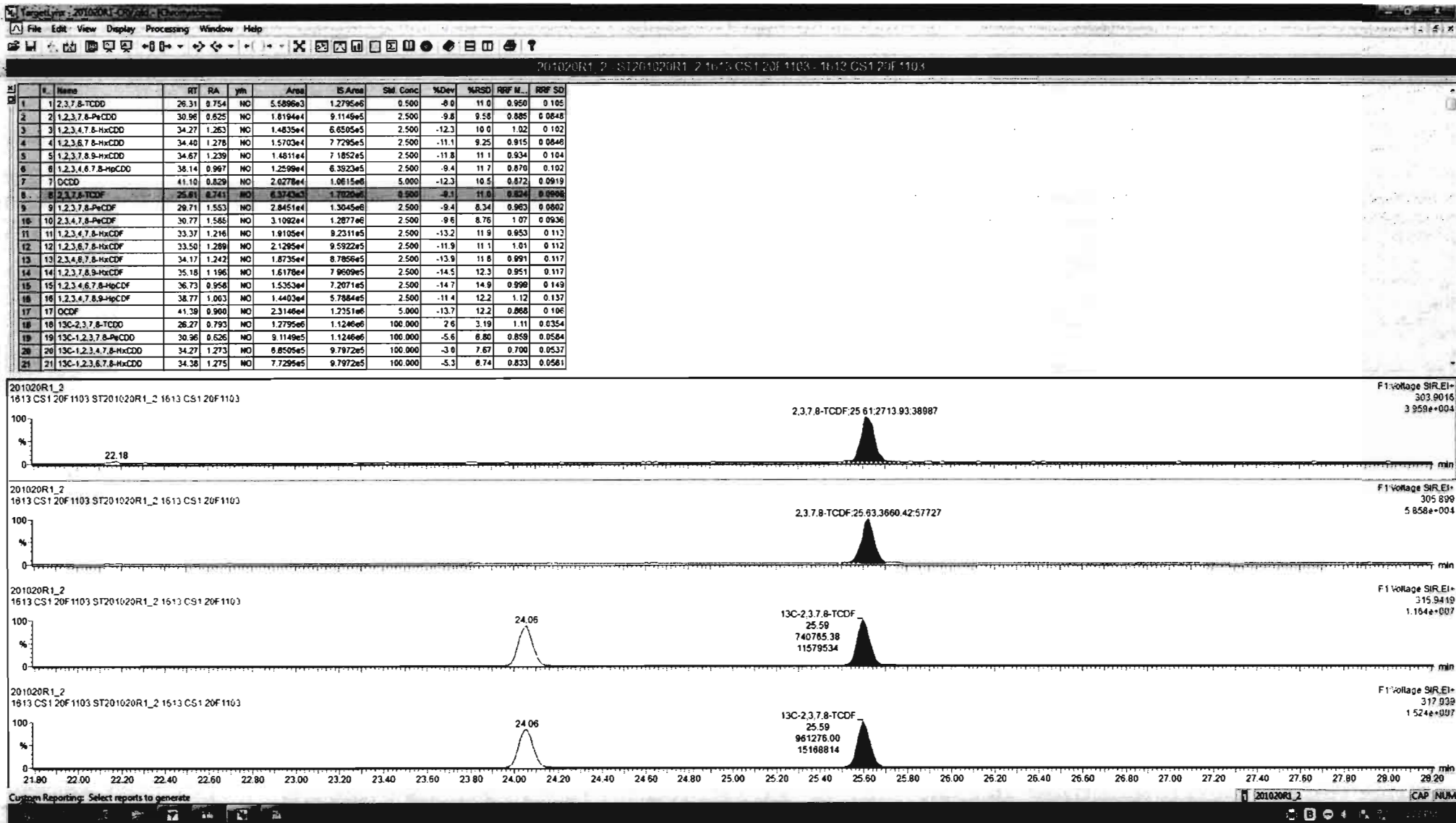
201020R1_2



DPE1

201020R1_2





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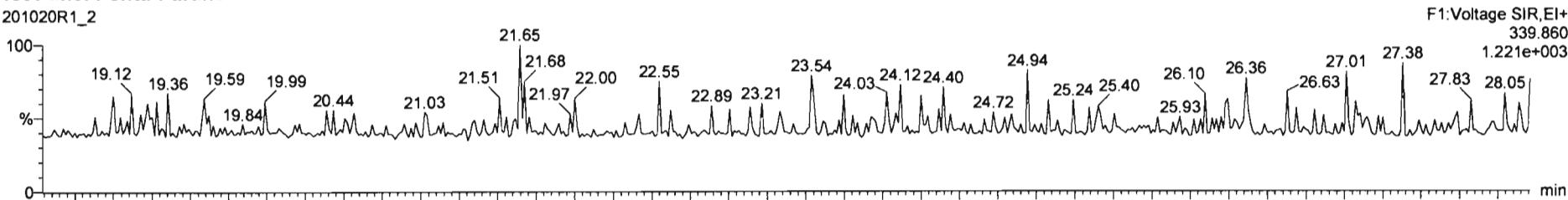
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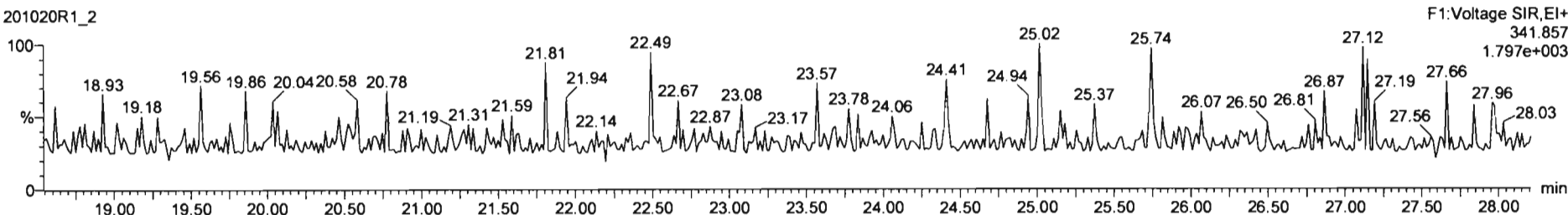
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1st Func. Penta-Furans

201020R1_2

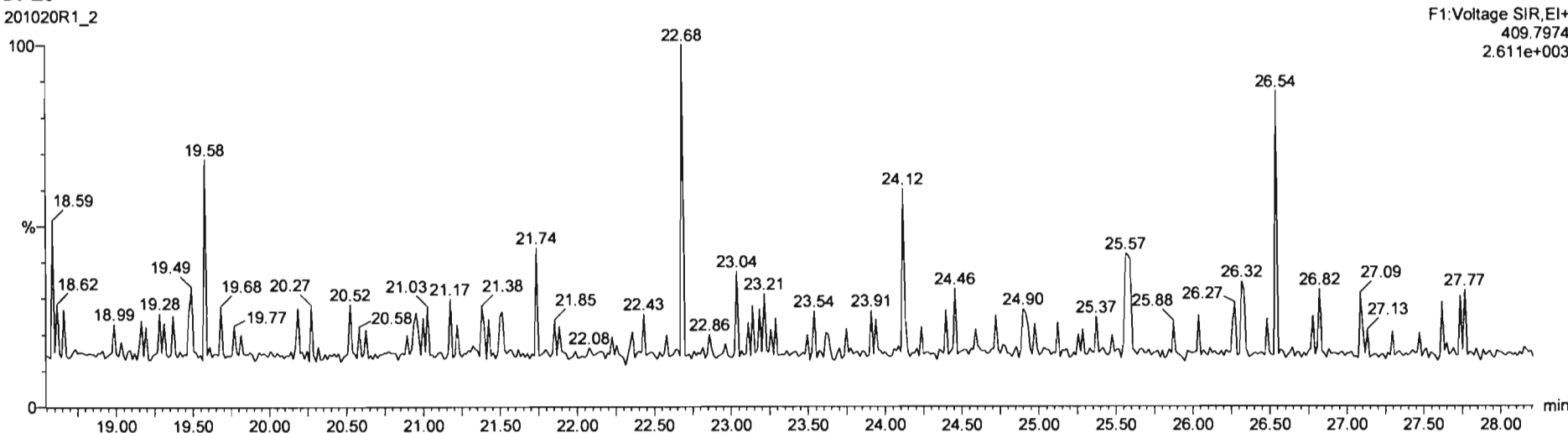


201020R1_2



DPE6

201020R1_2



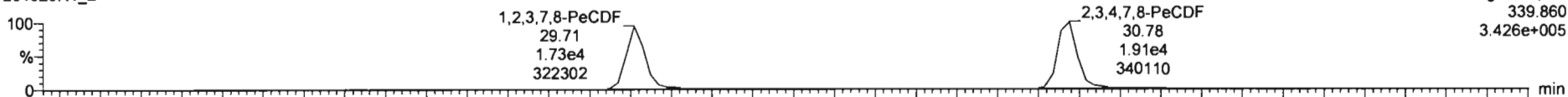
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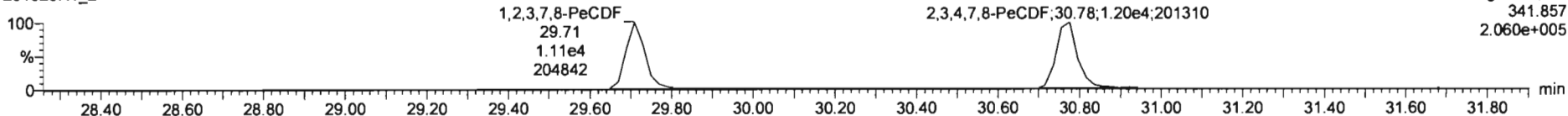
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1,2,3,7,8-PeCDF

201020R1_2

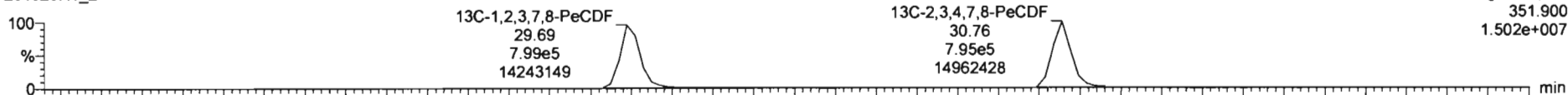


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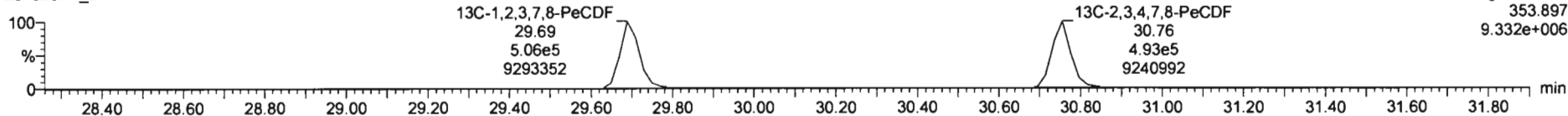


13C-1,2,3,7,8-PeCDF

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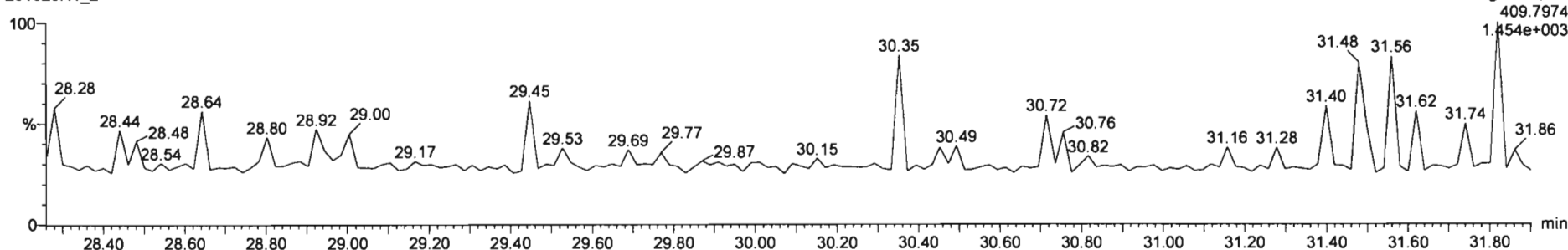


201020R1_2



DPE2

201020R1_2



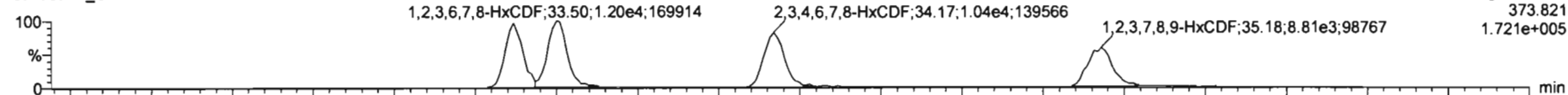
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Printed: Tuesday, October 20, 2020 15:18:47 Pacific Daylight Time

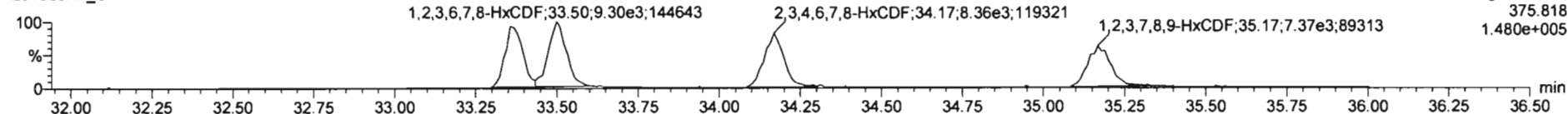
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1,2,3,4,7,8-HxCDF

201020R1_2

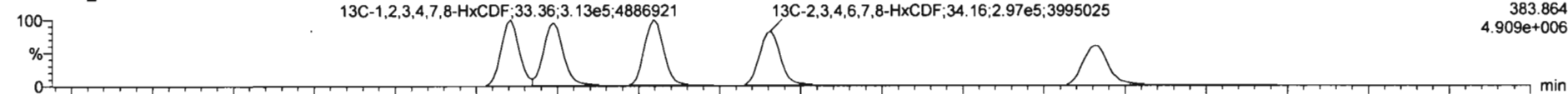


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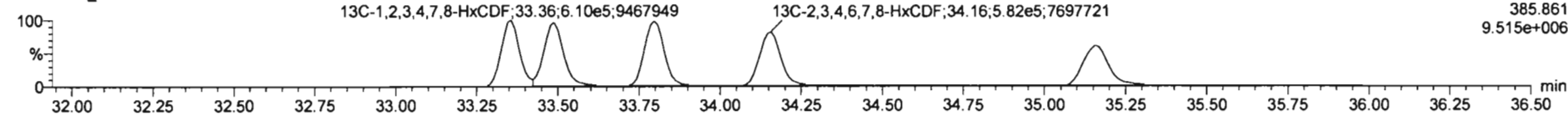


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201020R1_2

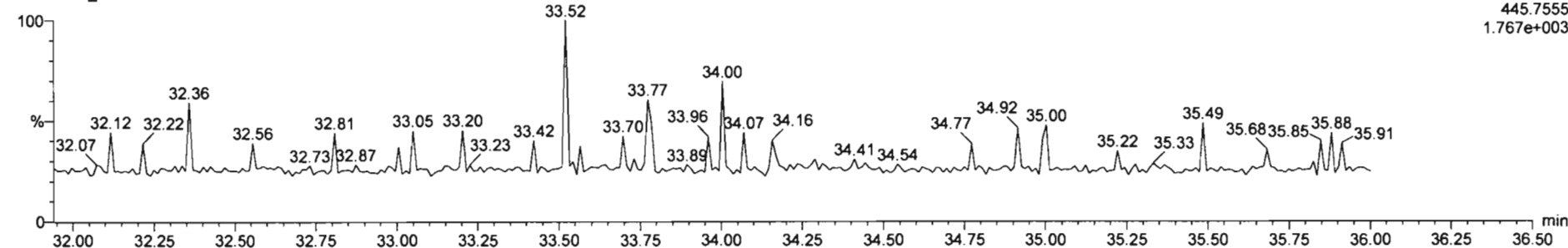


201020R1_2



DPE3

201020R1_2



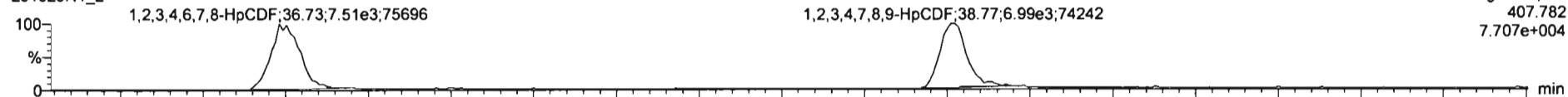
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Printed: Tuesday, October 20, 2020 15:18:47 Pacific Daylight Time

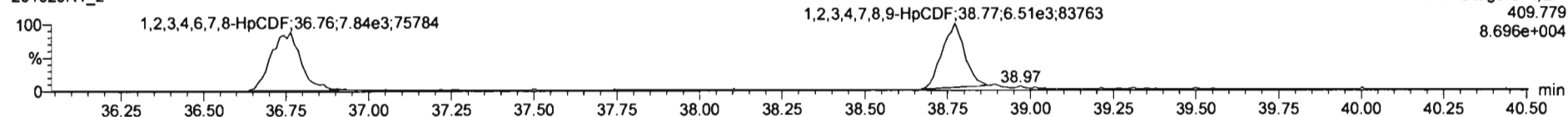
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1,2,3,4,6,7,8-HpCDF

201020R1_2

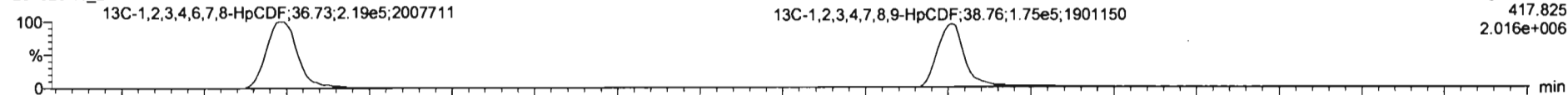


201020R1_2

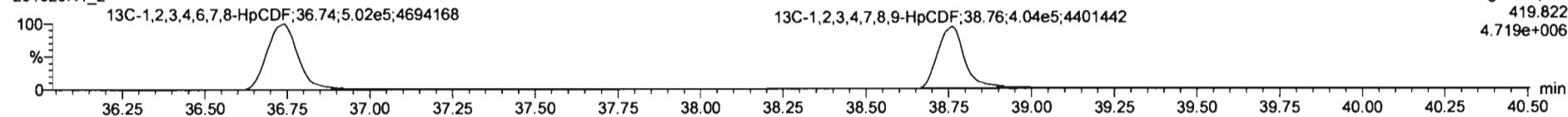


13C-1,2,3,4,6,7,8-HpCDF

201020R1_2

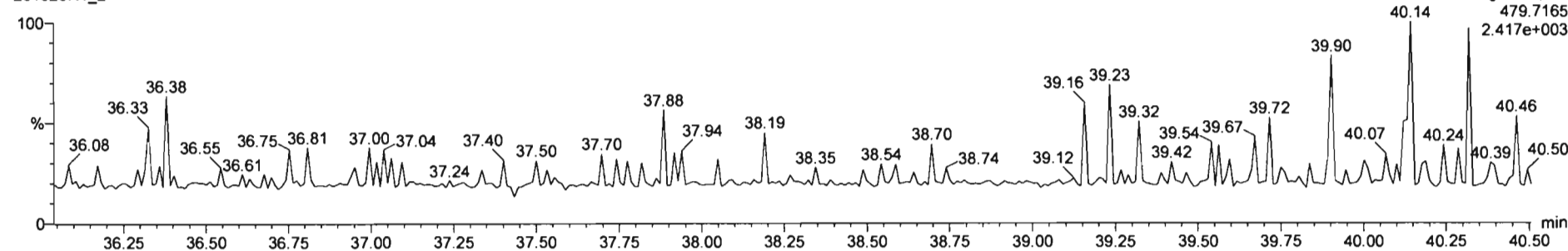


201020R1_2

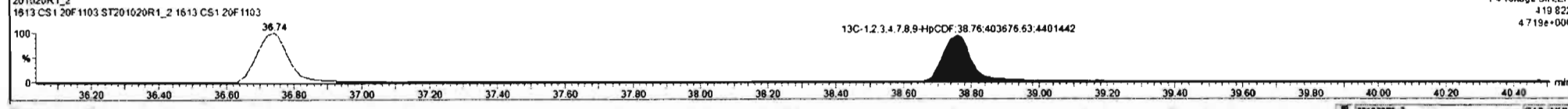
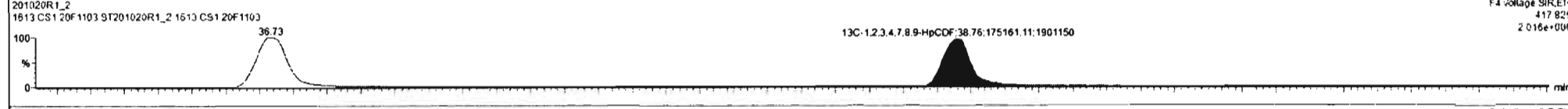
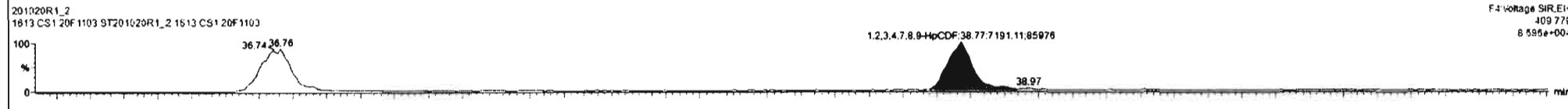
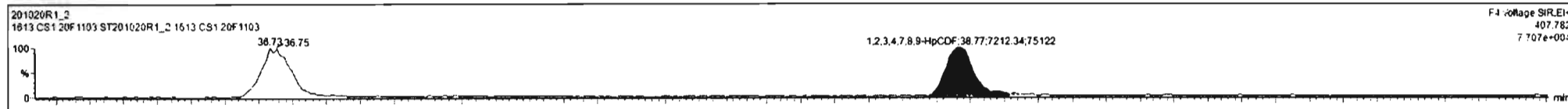


DPE4

201020R1_2



RT	Name	RT	RA	Yn	Area	IS Area	Std Conc	%Dev	%RSD	RRF N...	RRF SD
1	2,3,7,8-TCDD	26.31	0.754	NO	5.5896e3	1.2795e6	0.500	-8.0	11.0	0.950	0.105
2	1,2,3,7,8-PeCDD	30.96	0.625	NO	1.8194e4	9.1149e5	2.500	-9.8	9.58	0.885	0.0848
3	1,2,3,4,7,8-HxCDD	34.27	1.263	NO	1.4835e4	6.6505e5	2.500	-12.3	10.0	1.02	0.102
4	1,2,3,6,7,8-HxCDD	34.40	1.278	NO	1.5703e4	7.7295e5	2.500	-11.1	9.25	0.915	0.0846
5	1,2,3,7,8,9-HxCDD	34.67	1.239	NO	1.4811e4	7.1852e5	2.500	-11.8	11.1	0.934	0.104
6	1,2,3,4,6,7,8-HpCDD	38.14	0.997	NO	1.2599e4	6.3923e5	2.500	9.4	11.7	0.870	0.102
7	OCDD	41.10	0.829	NO	2.0278e4	1.0615e6	5.000	-12.3	10.5	0.872	0.0919
8	2,3,7,8-TCDF	25.81	0.741	NO	6.3743e3	1.7020e6	0.500	-9.1	11.0	0.824	0.0906
9	1,2,3,7,8-PeCDF	29.71	1.553	NO	2.8451e4	1.3045e6	2.500	-9.4	8.34	0.963	0.0802
10	2,3,4,7,8-PeCDF	30.77	1.585	NO	3.1092e4	1.2877e6	2.500	-9.6	8.76	1.07	0.0936
11	1,2,3,4,7,8-HxCDF	33.37	1.216	NO	1.8105e4	9.2311e5	2.500	-13.2	11.9	0.853	0.113
12	1,2,3,6,7,8-HxCDF	33.50	1.289	NO	2.1295e4	9.5922e5	2.500	-11.9	11.1	1.01	0.112
13	2,3,4,6,7,8-HxCDF	34.17	1.242	NO	1.8735e4	8.7856e5	2.500	-13.9	11.6	0.991	0.117
14	1,2,3,7,8,9-HxCDF	35.18	1.196	NO	1.6178e4	7.9609e5	2.500	-14.5	12.3	0.951	0.117
15	1,2,3,4,6,7,8-HpCDF	36.73	0.958	NO	1.5353e4	7.2071e5	2.500	-14.7	14.9	0.990	0.149
16	1,2,3,4,7,8,9-HpCDF	38.77	1.903	NO	1.4402e4	5.7884e5	2.500	-11.4	12.2	1.12	0.137
17	OCDF	41.38	0.900	NO	2.3148e4	1.2351e6	5.000	-13.7	12.2	0.868	0.106
18	13C-2,3,7,8-TCDD	26.27	0.793	NO	1.2795e6	1.1246e6	100.000	2.6	3.19	1.11	0.0354
19	13C-1,2,3,7,8-PeCDD	30.96	0.626	NO	9.1149e5	1.1246e6	100.000	-5.6	6.80	0.859	0.0584
20	13C-1,2,3,4,7,8-HxCDD	34.27	1.273	NO	6.6505e5	9.7972e5	100.000	-3.0	7.67	0.700	0.0537
21	13C-1,2,3,6,7,8-HxCDD	34.38	1.275	NO	7.7295e5	9.7972e5	100.000	-5.3	6.74	0.833	0.0561



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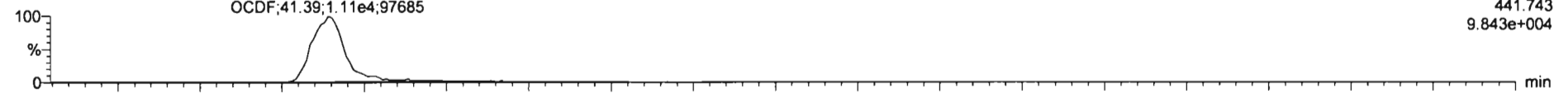
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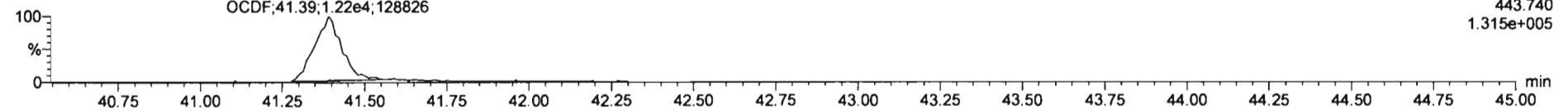
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OCDF

201020R1_2

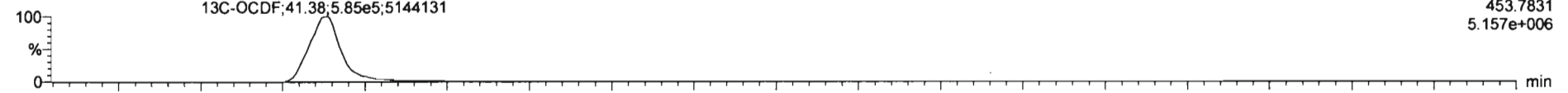


201020R1_2

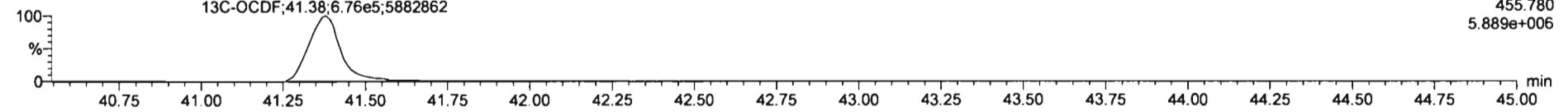


13C-OCDF

201020R1_2

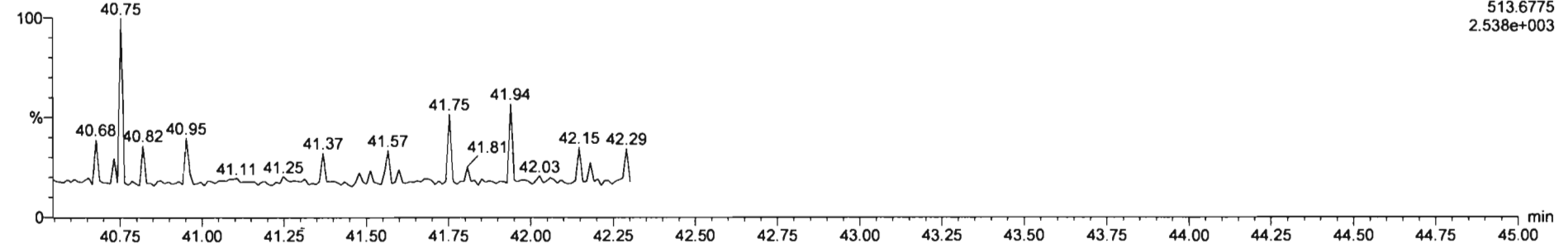


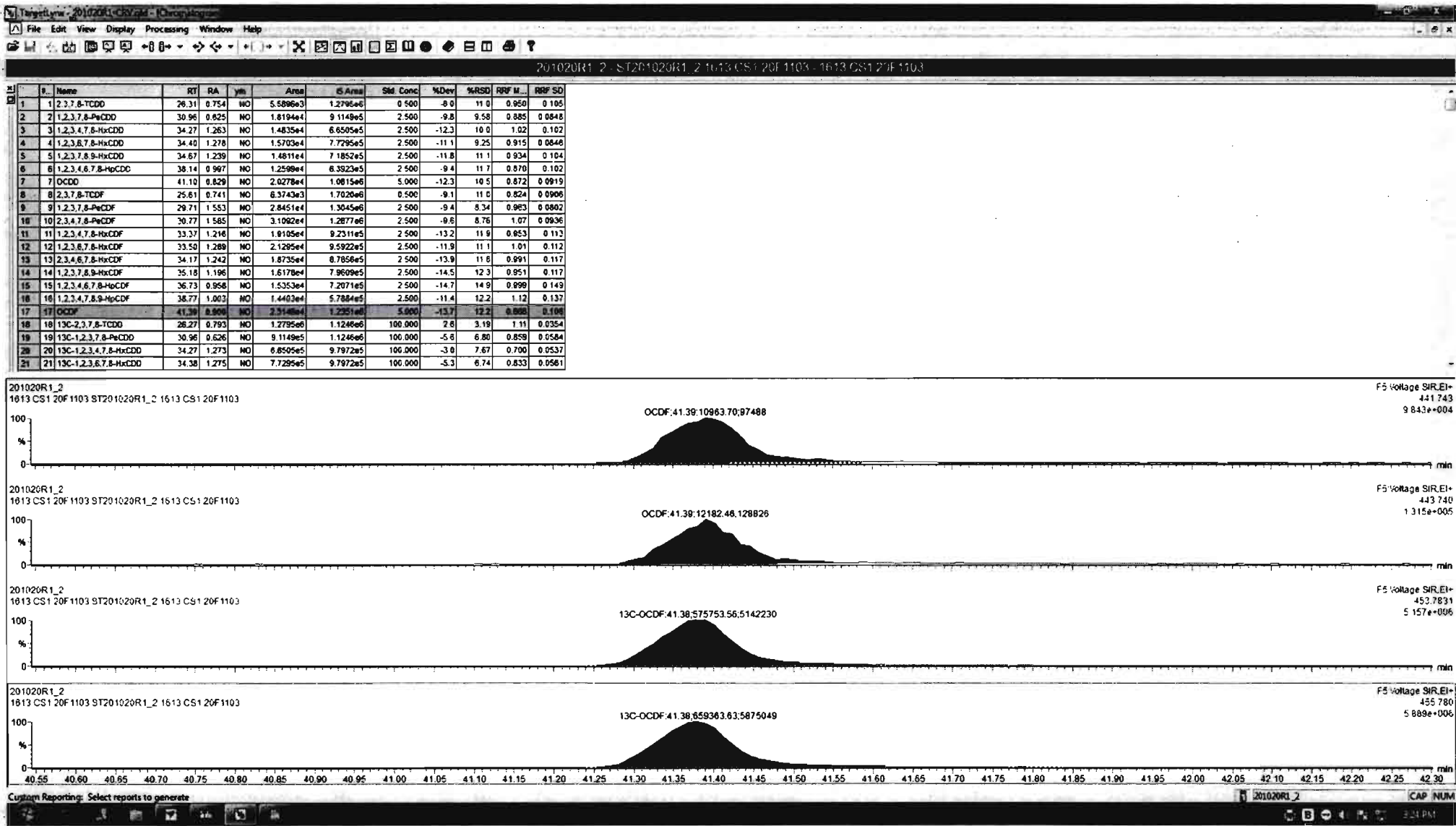
201020R1_2



DPE5

201020R1_2



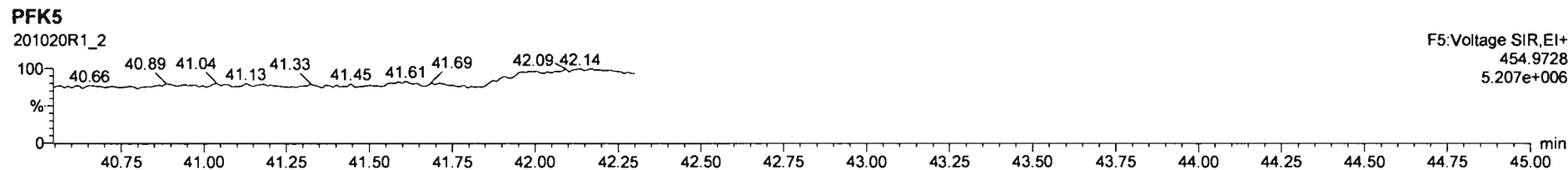
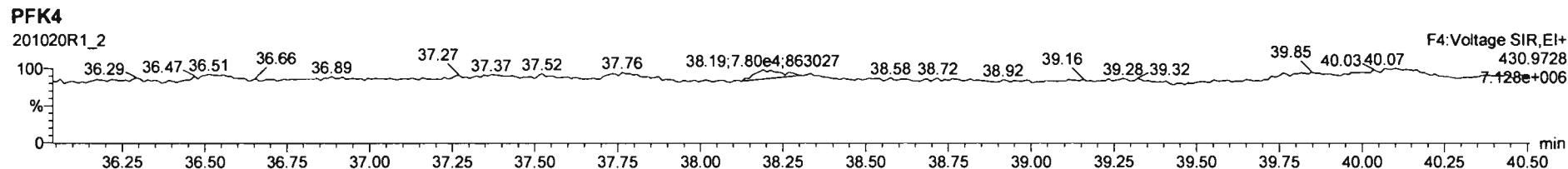
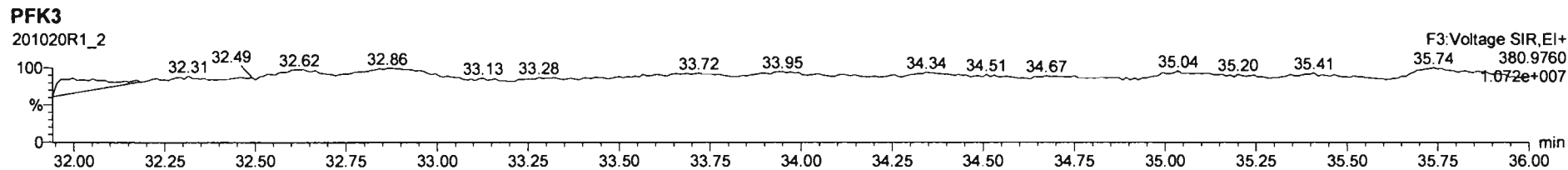
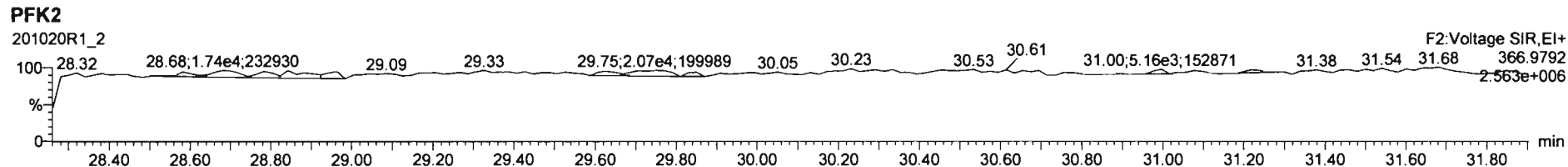
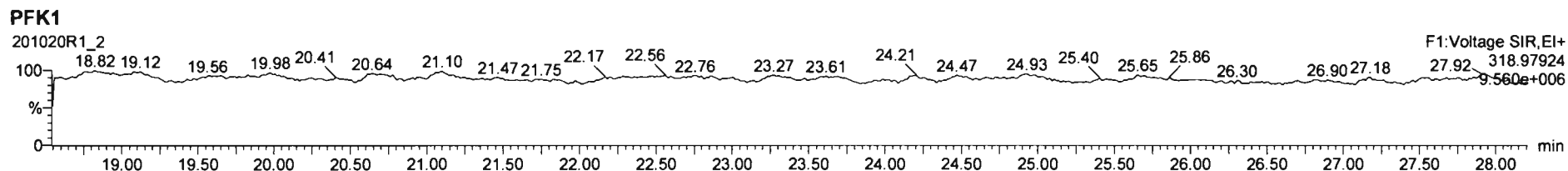


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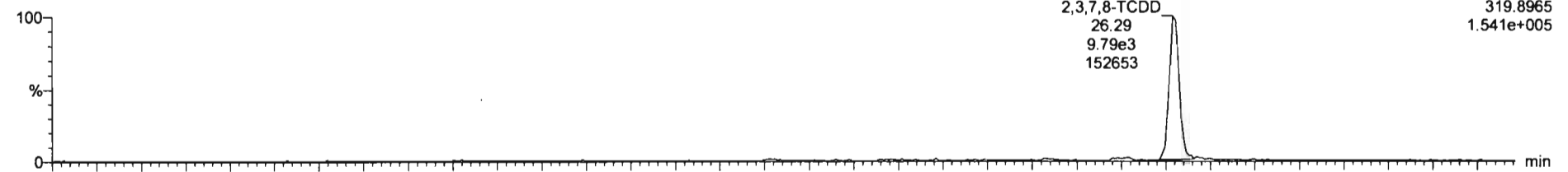
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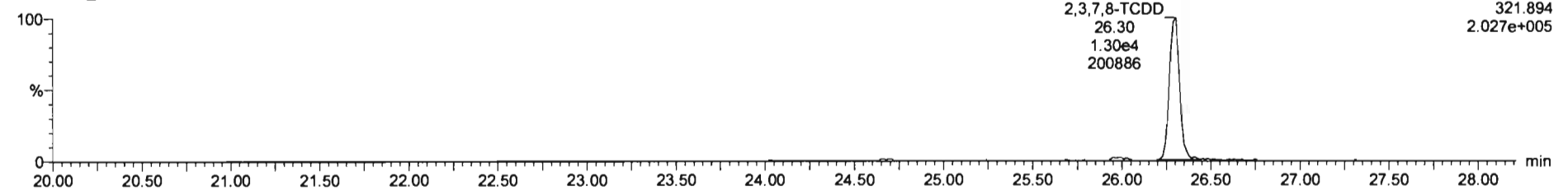
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2,3,7,8-TCDD

201020R1_3

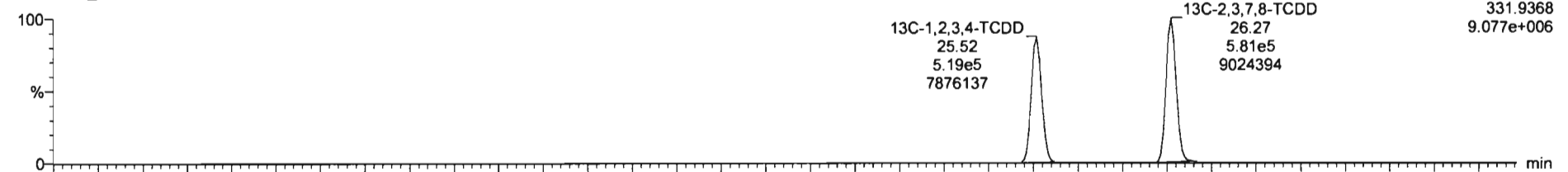


201020R1_3

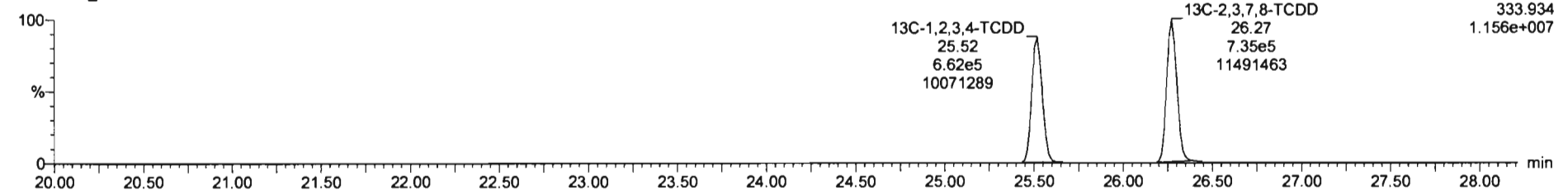


13C-2,3,7,8-TCDD

201020R1_3



201020R1_3



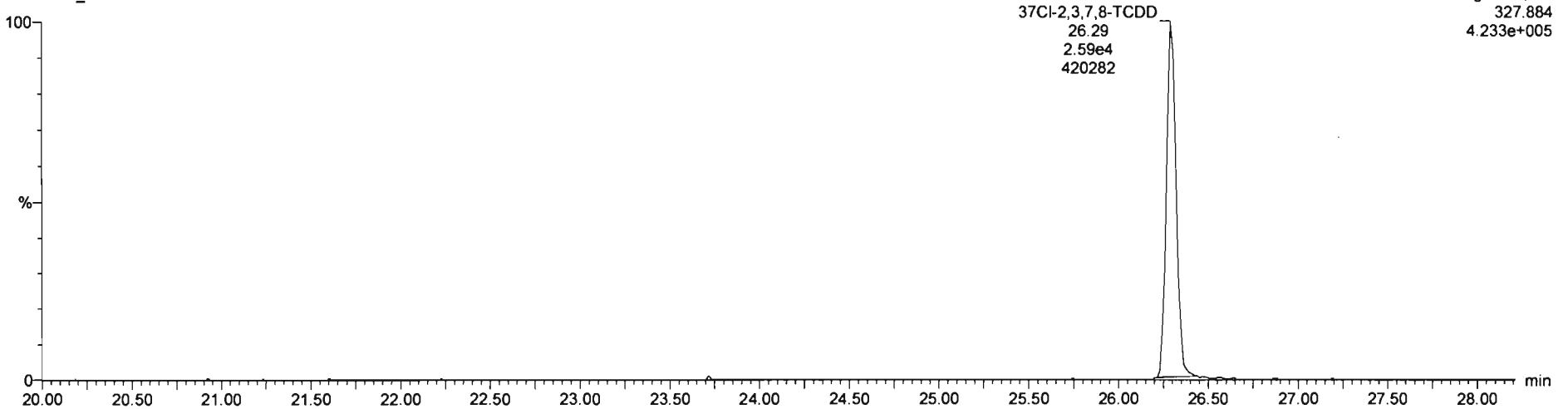
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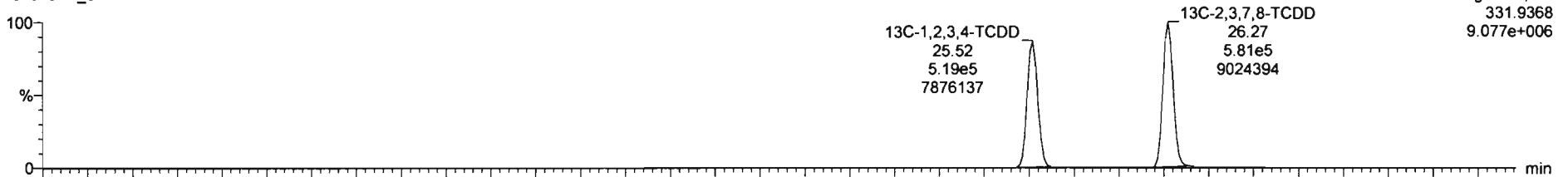
37Cl-2,3,7,8-TCDD

201020R1_3

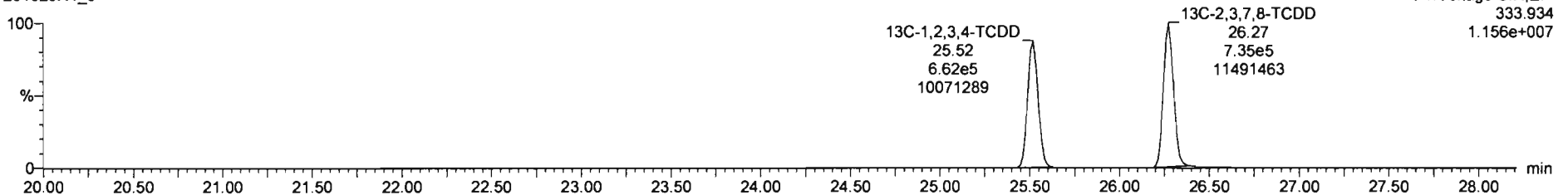


13C-1,2,3,4-TCDD

201020R1_3



201020R1_3



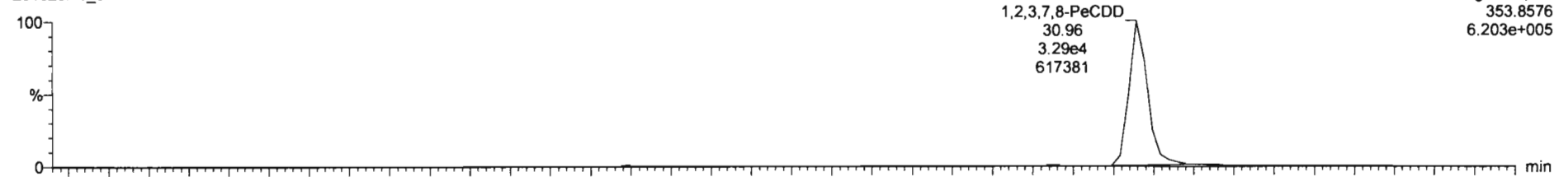
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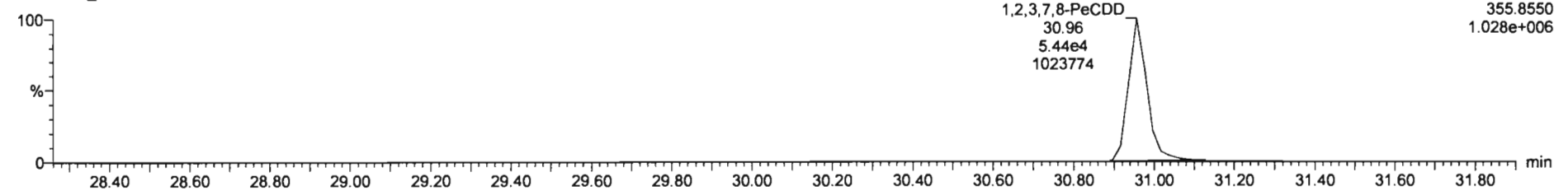
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1,2,3,7,8-PeCDD

201020R1_3

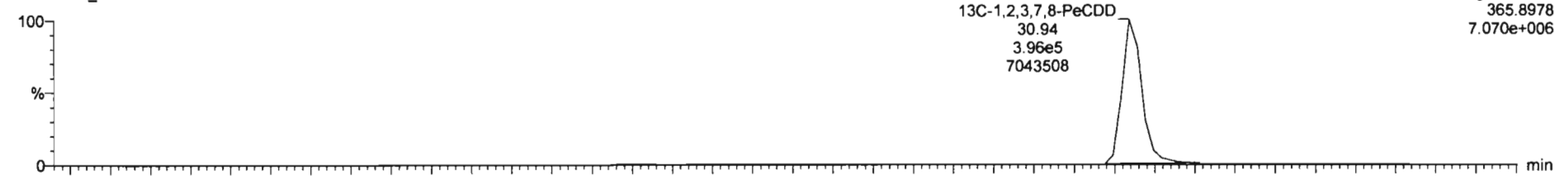


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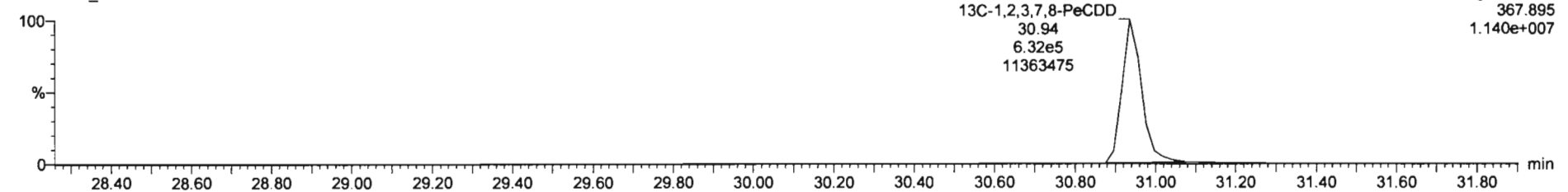


13C-1,2,3,7,8-PeCDD

201020R1_3



201020R1_3



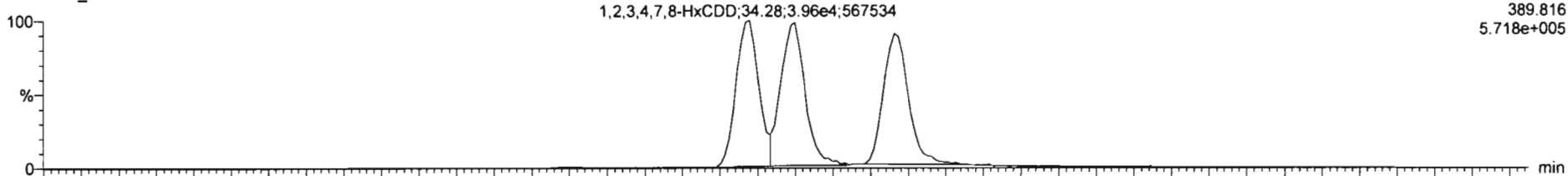
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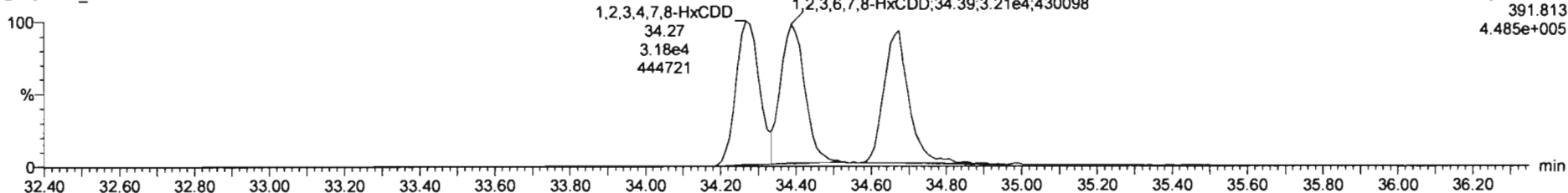
1,2,3,4,7,8-HxCDD

201020R1_3



F3:Voltage SIR,EI+
389.816
5.718e+005

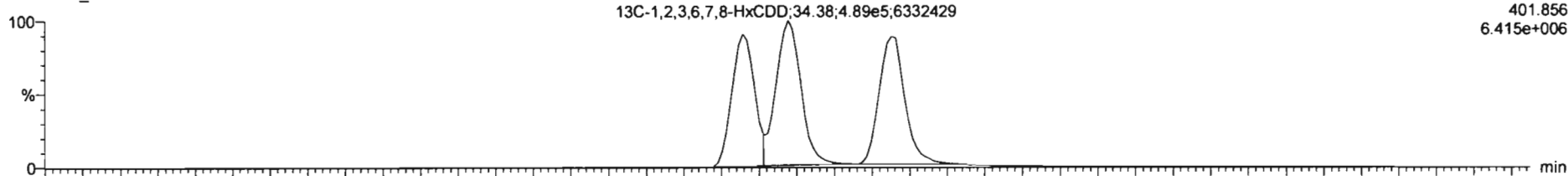
201020R1_3



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391.813
4.485e+005

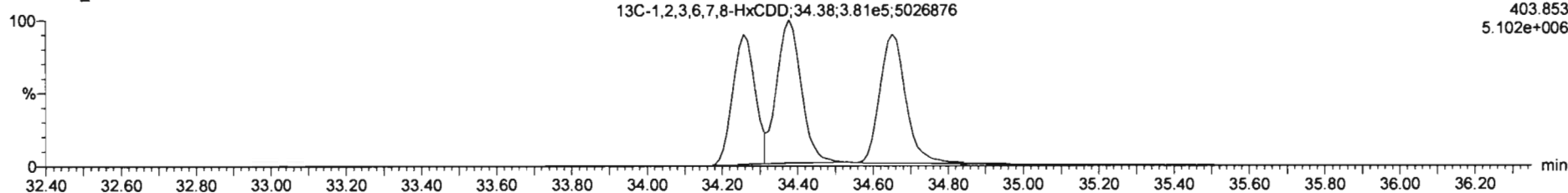
13C-1,2,3,4,7,8-HxCDD

201020R1_3



F3:Voltage SIR,EI+
401.856
6.415e+006

201020R1_3



F3:Voltage SIR,EI+
403.853
5.102e+006

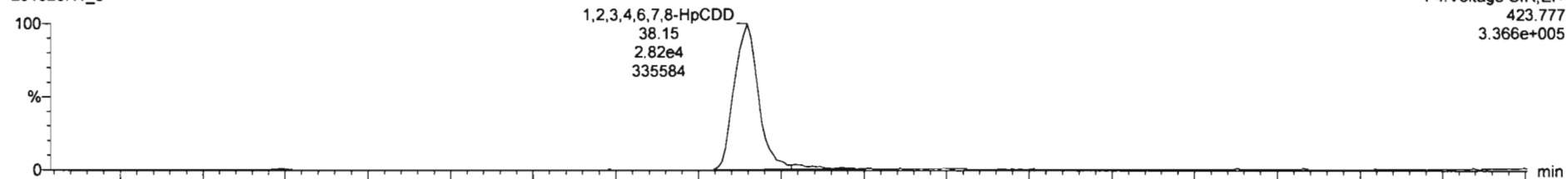
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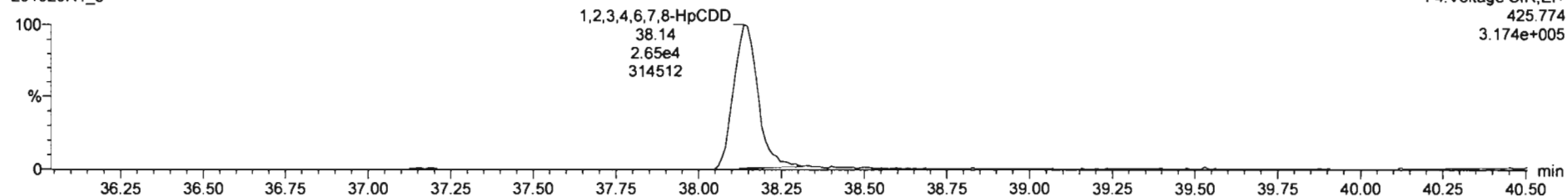
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1,2,3,4,6,7,8-HpCDD

201020R1_3

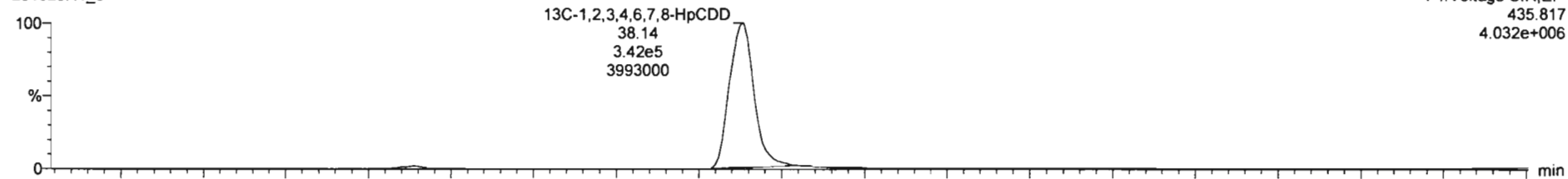


201020R1_3

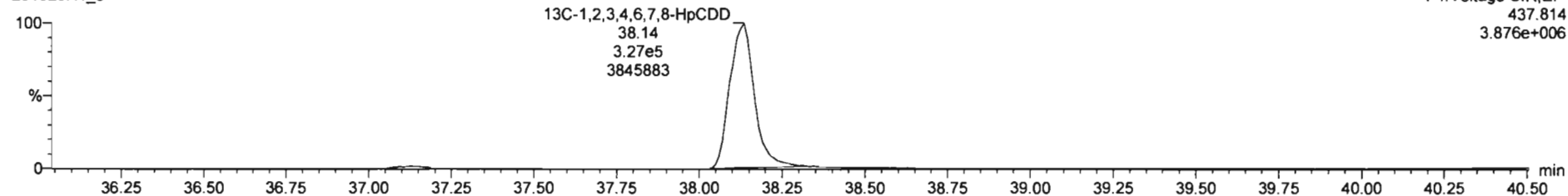


13C-1,2,3,4,6,7,8-HpCDD

201020R1_3



201020R1_3



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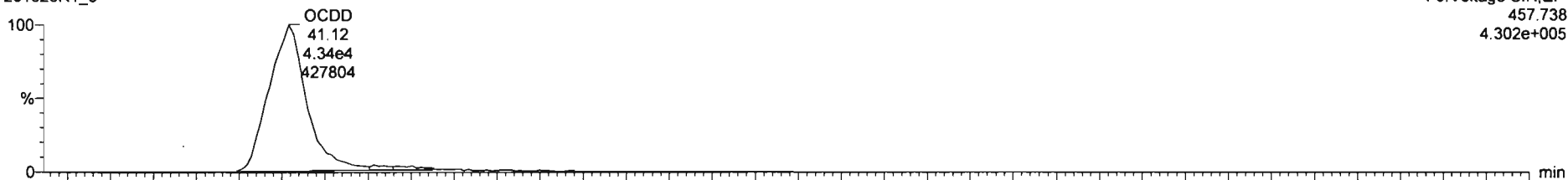
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OCDD

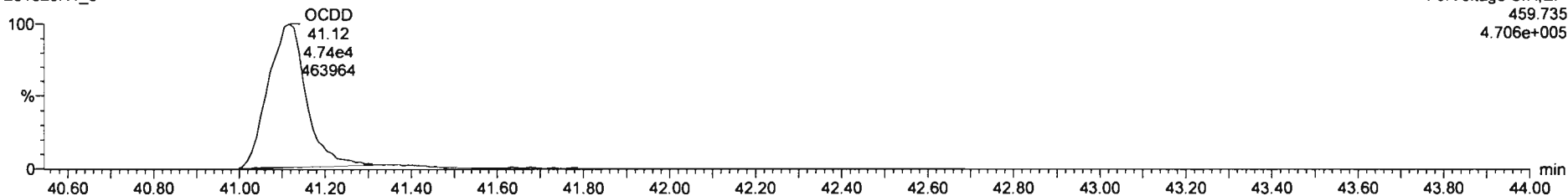
201020R1_3

F5:Voltage SIR, EI+
457.738
4.302e+005



201020R1_3

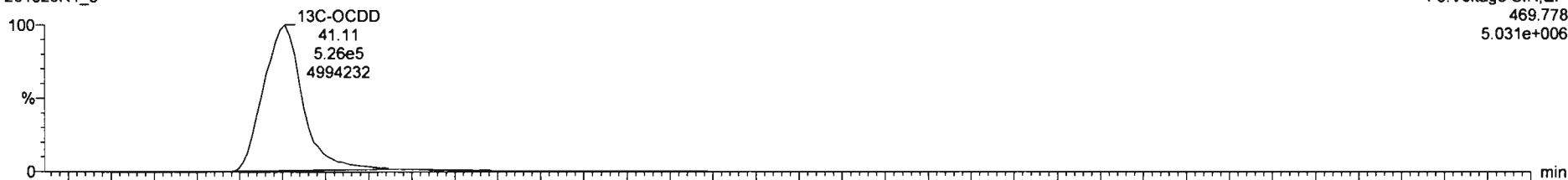
F5:Voltage SIR, EI+
459.735
4.706e+005



13C-OCDD

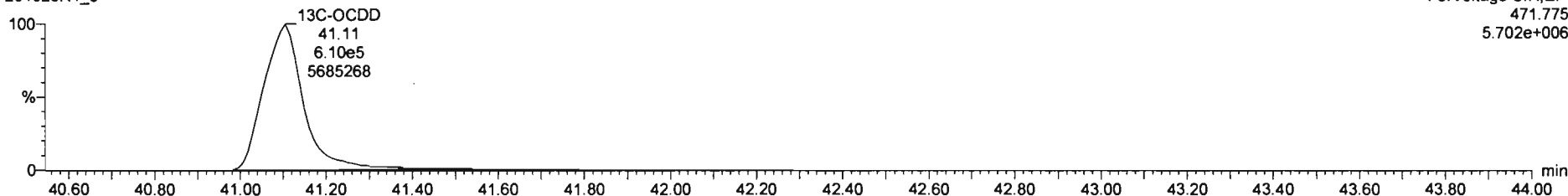
201020R1_3

F5:Voltage SIR, EI+
469.778
5.031e+006



201020R1_3

F5:Voltage SIR, EI+
471.775
5.702e+006



201020R1_3 - S1201020R1_3 1613 CS2 20F 1104 - 1613 CS2 20F 1104

#	Name	RT	RA	Yth	Area	S Area	Std Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.29	0.754	NO	2.2771e4	1.3154e6	2.000	-8.9	11.0	0.950	0.105
2	1,2,3,7,8-PeCDD	30.96	0.606	NO	8.7271e4	1.0279e6	10.000	-4.1	9.50	0.885	0.0848
3	1,2,3,4,7,8-HxCDD	34.28	1.245	NO	7.1328e4	7.0709e5	10.000	-0.9	10.0	1.02	0.102
4	1,2,3,6,7,8-HxCDD	34.40	1.293	NO	7.3710e4	8.6983e5	10.000	-7.3	9.25	0.915	0.0848
5	1,2,3,7,8,9-HxCDD	34.66	1.247	NO	7.8437e4	8.0052e5	10.000	-5.8	11.1	0.934	0.104
6	1,2,3,4,6,7,8-HpCDD	38.15	1.064	NO	5.4834e4	6.6949e5	10.000	-6.2	11.7	0.870	0.102
7	OCDD	41.12	8.814	NO	9.8812e4	1.1294e6	20.000	-7.8	10.5	0.872	0.0919
8	2,3,7,8-TCDF	25.61	0.769	NO	2.7891e4	1.8231e6	2.000	-7.2	11.0	0.824	0.0906
9	1,2,3,7,8-PeCDF	29.71	1.596	NO	1.3197e5	1.4163e6	10.000	-3.2	8.34	0.963	0.0802
10	2,3,4,7,8-PeCDF	30.75	1.621	NO	1.5088e5	1.4537e6	10.000	-2.9	6.76	1.07	0.0936
11	1,2,3,4,7,8-HxCDF	33.37	1.227	NO	9.2409e4	9.7566e5	10.000	-0.7	11.9	0.953	0.113
12	1,2,3,6,7,8-HxCDF	33.50	1.228	NO	1.0008e5	1.0311e6	10.000	-3.7	11.1	1.01	0.112
13	2,3,4,6,7,8-HxCDF	34.17	1.274	NO	9.1698e4	9.5781e5	10.000	-3.4	11.8	0.991	0.117
14	1,2,3,7,8,9-HxCDF	35.17	1.191	NO	7.4121e4	8.2291e5	10.000	-5.2	12.3	0.951	0.117
15	1,2,3,4,6,7,8-HpCDF	36.74	0.994	NO	7.2756e4	7.9997e5	10.000	-8.9	14.9	0.998	0.149
16	1,2,3,4,7,8,9-HpCDF	38.77	1.022	NO	5.9875e4	5.7733e5	10.000	-7.7	12.2	1.12	0.137
17	OCDF	41.40	0.875	NO	1.0781e5	1.2683e6	20.000	-3.6	12.2	0.868	0.106
18	13C-2,3,7,8-TCDD	26.27	0.790	NO	1.3154e6	1.1805e6	100.000	0.5	3.19	1.11	0.0354
19	13C-1,2,3,7,8-PeCDD	30.94	0.627	NO	1.0279e6	1.1805e6	100.000	1.4	6.80	0.859	0.0584
20	13C-1,2,3,4,7,8-HxCDD	34.28	1.291	NO	7.0709e5	1.0495e6	100.000	-3.7	7.67	0.700	0.0537
21	13C-1,2,3,6,7,8-HxCDD	34.38	1.266	NO	8.6983e5	1.0495e6	100.000	-0.5	8.74	0.833	0.0561



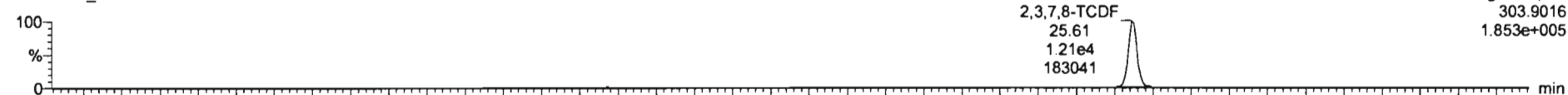
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Printed: Tuesday, October 20, 2020 15:18:47 Pacific Daylight Time

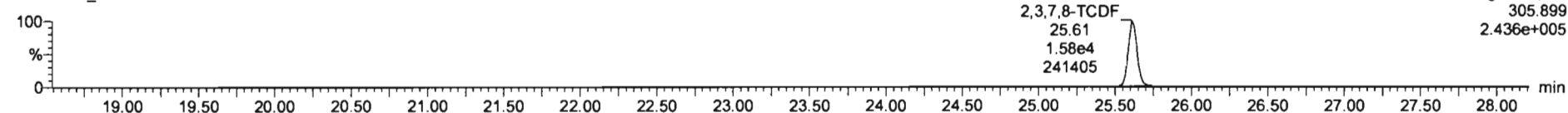
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2,3,7,8-TCDF

201020R1_3

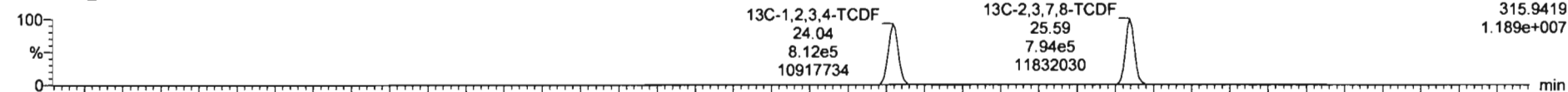


201020R1_3

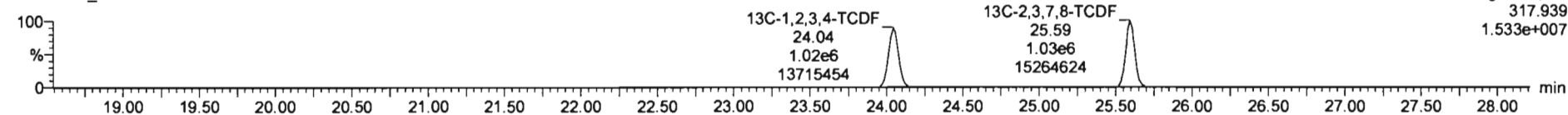


13C-2,3,7,8-TCDF

201020R1_3

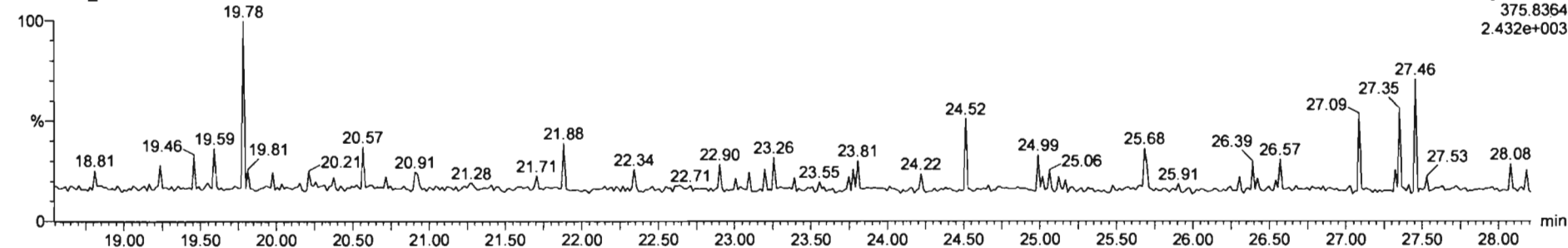


201020R1_3



DPE1

201020R1_3



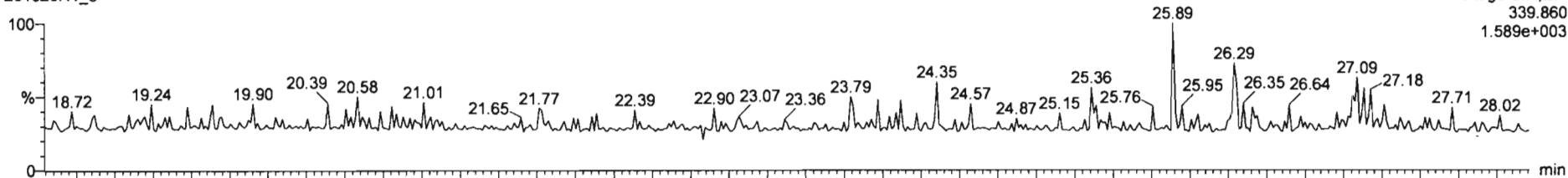
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Printed: Tuesday, October 20, 2020 15:18:47 Pacific Daylight Time

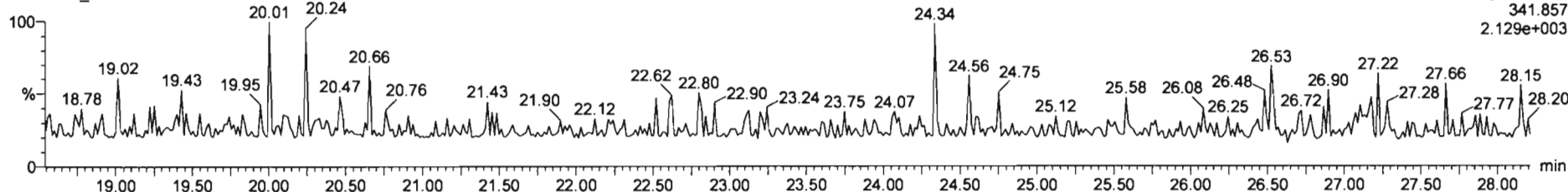
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201020R1_3

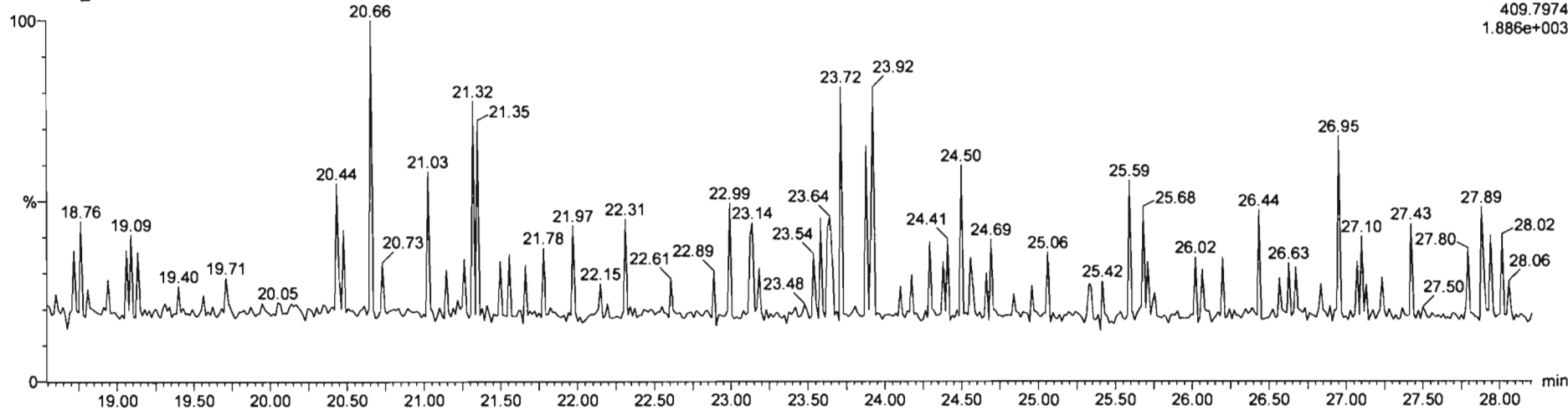


201020R1_3



DPE6

201020R1_3



Dataset: Untitled

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Printed: Tuesday, October 20, 2020 15:18:47 Pacific Daylight Time

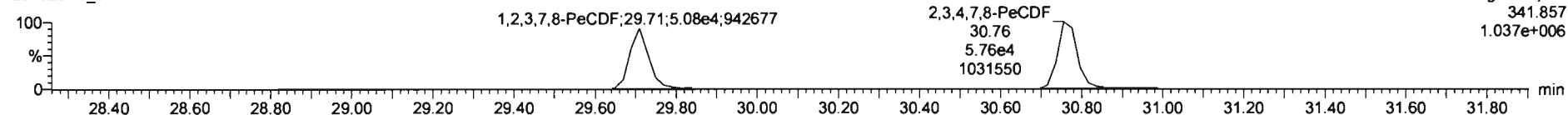
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1,2,3,7,8-PeCDF

201020R1_3

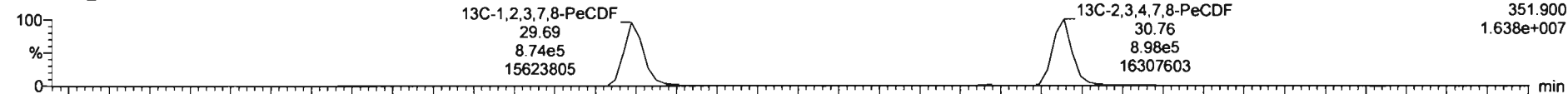


201020R1_3

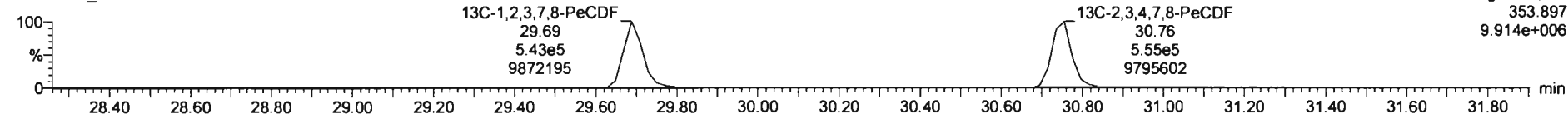


13C-1,2,3,7,8-PeCDF

201020R1_3

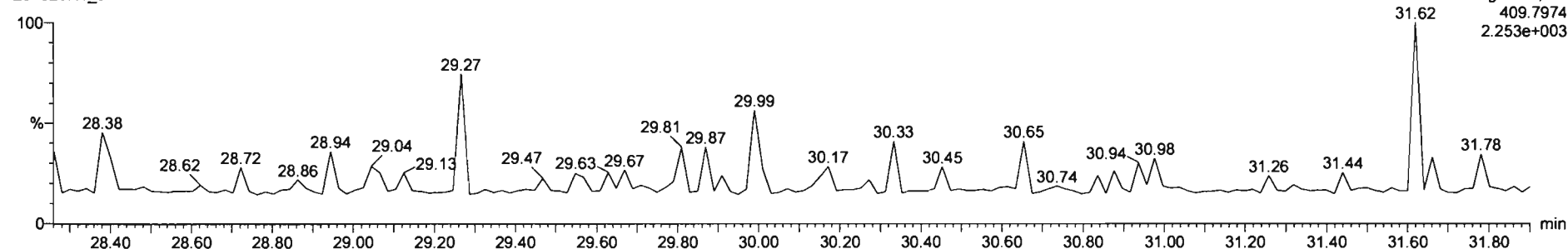


201020R1_3



DPE2

201020R1_3



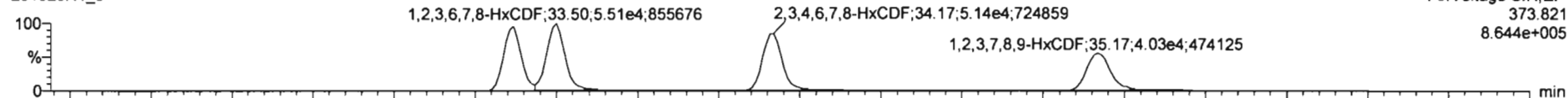
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Printed: Tuesday, October 20, 2020 15:18:47 Pacific Daylight Time

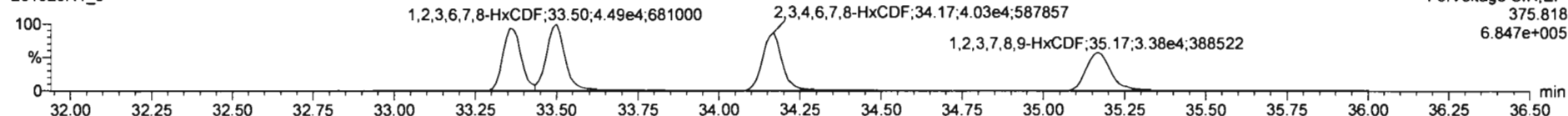
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1,2,3,4,7,8-HxCDF

201020R1_3

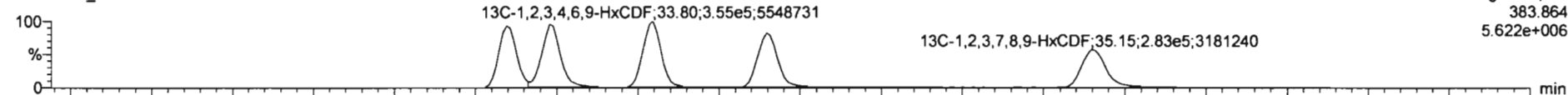


201020R1_3

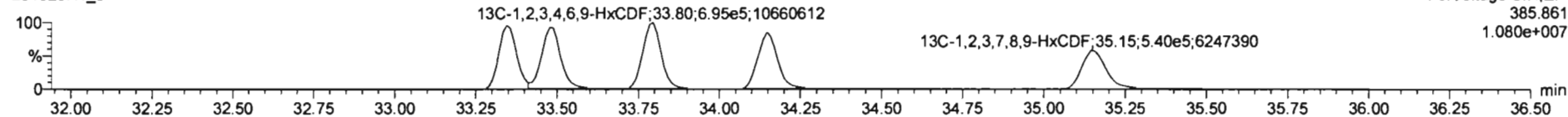


13C-1,2,3,4,7,8-HxCDF

201020R1_3

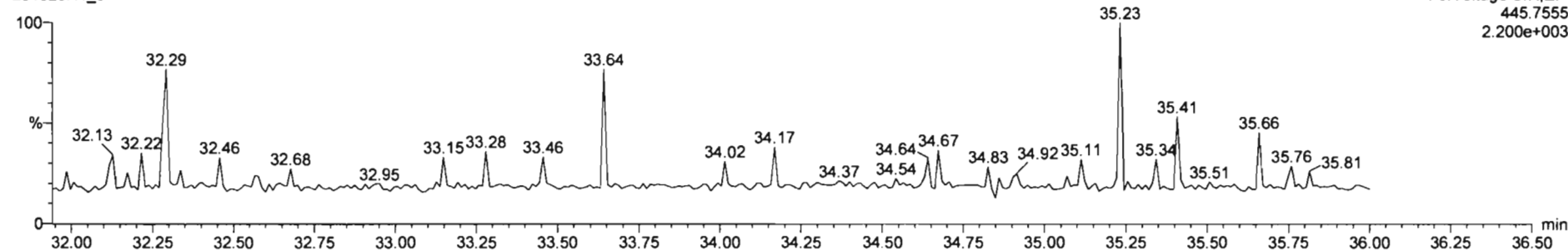


201020R1_3



DPE3

201020R1_3



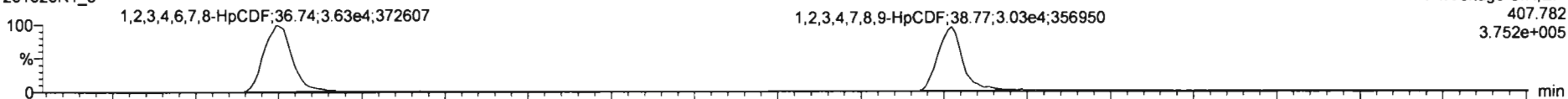
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Printed: Tuesday, October 20, 2020 15:18:47 Pacific Daylight Time

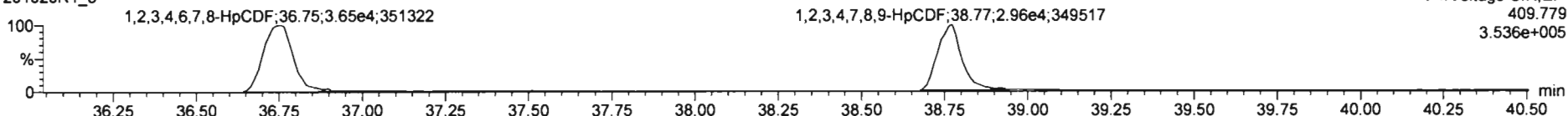
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1,2,3,4,6,7,8-HpCDF

201020R1_3

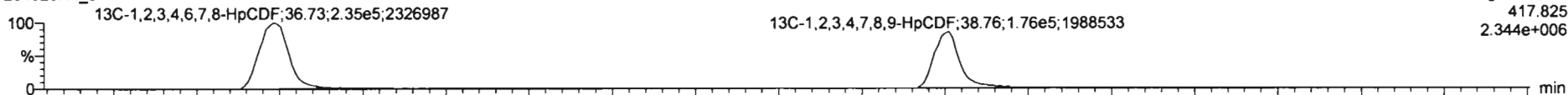


201020R1_3

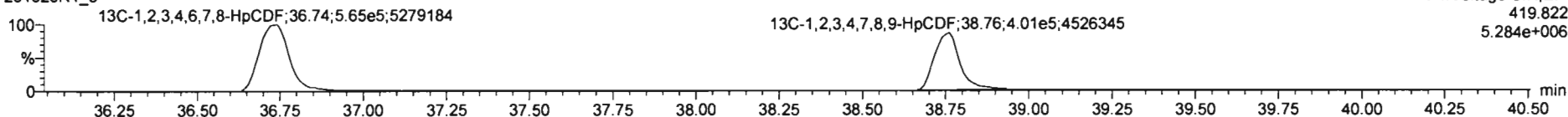


13C-1,2,3,4,6,7,8-HpCDF

201020R1_3

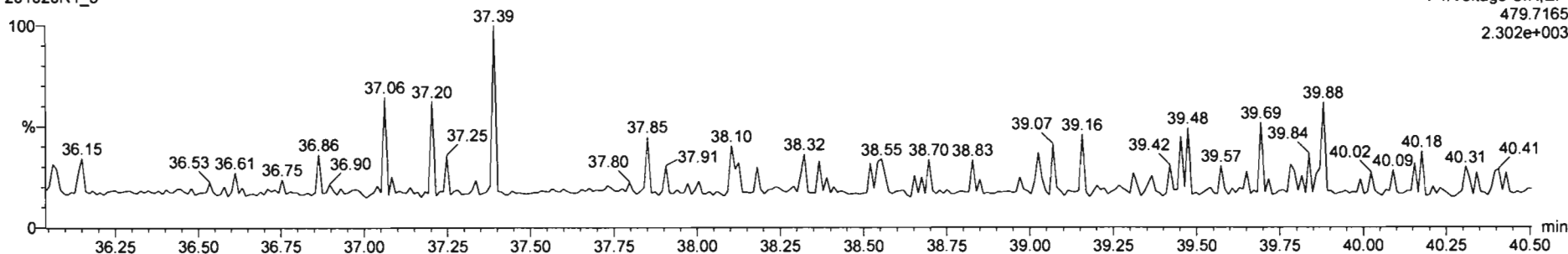


201020R1_3



DPE4

201020R1_3



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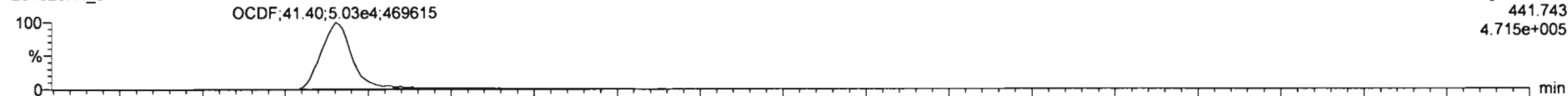
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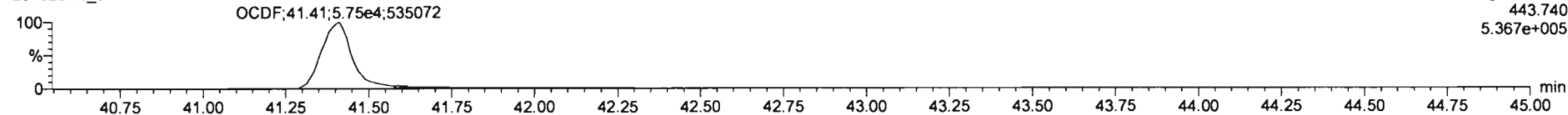
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OCDF

201020R1_3

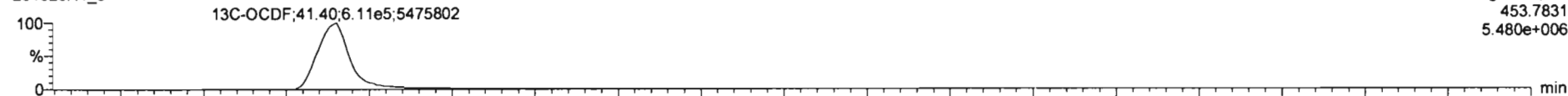


201020R1_3

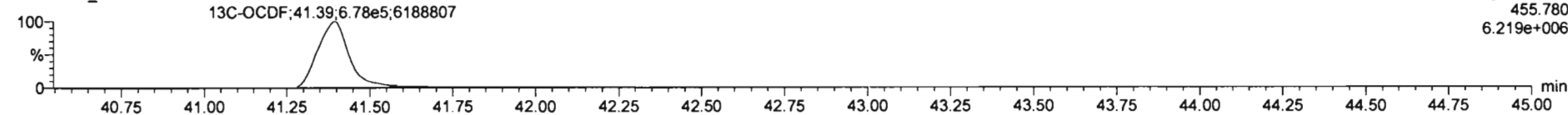


13C-OCDF

201020R1_3

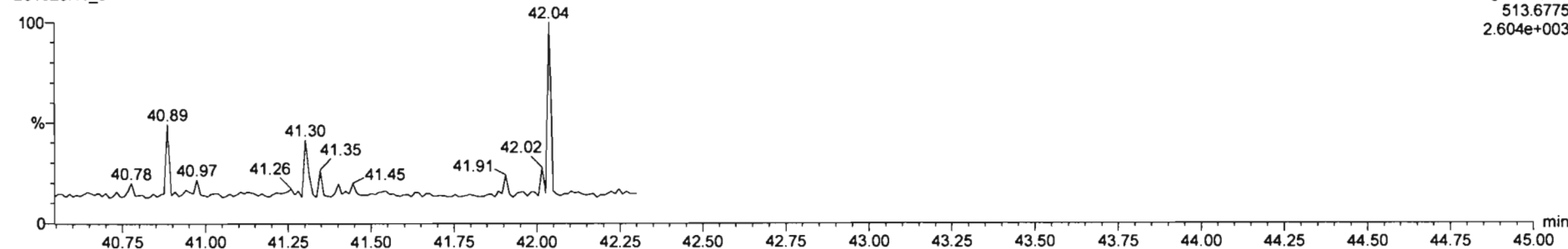


201020R1_3



DPE5

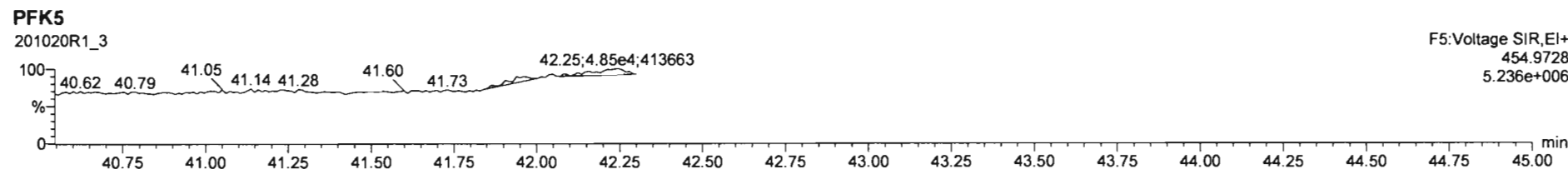
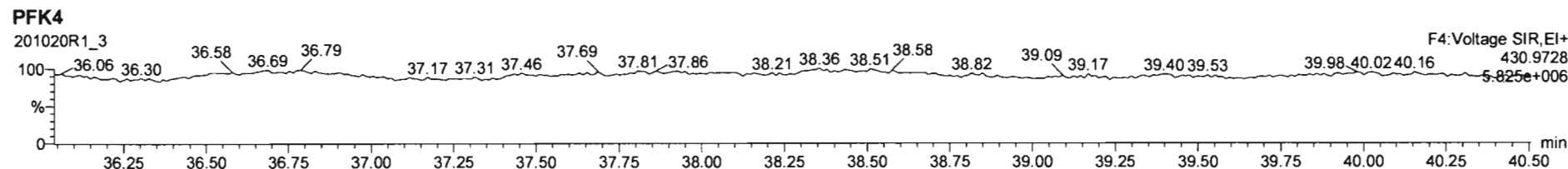
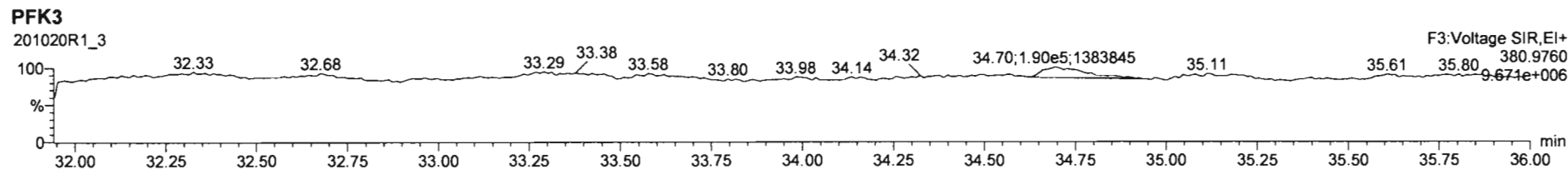
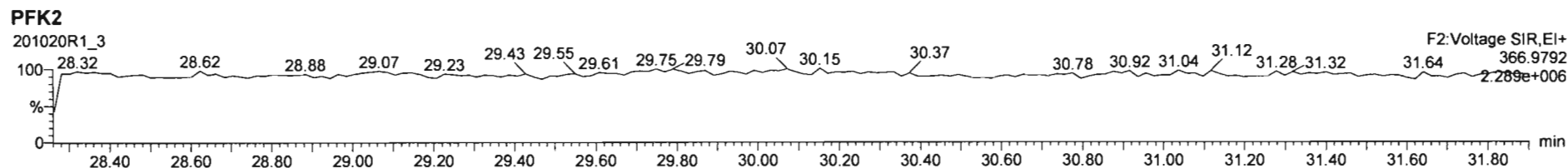
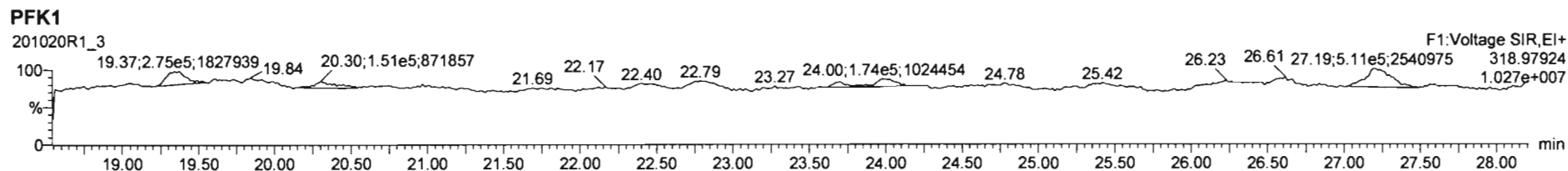
201020R1_3



Dataset: Untitled

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Printed: Tuesday, October 20, 2020 15:18:47 Pacific Daylight Time

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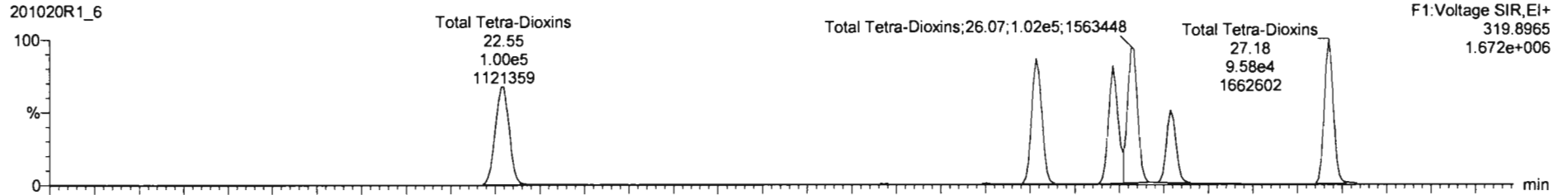
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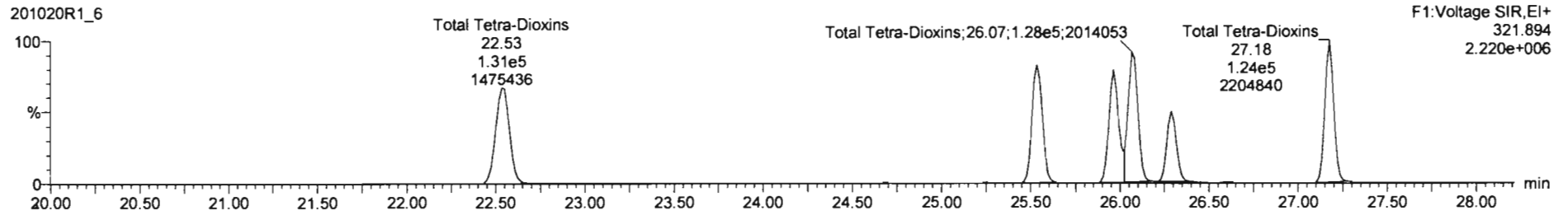
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2,3,7,8-TCDD

201020R1_6

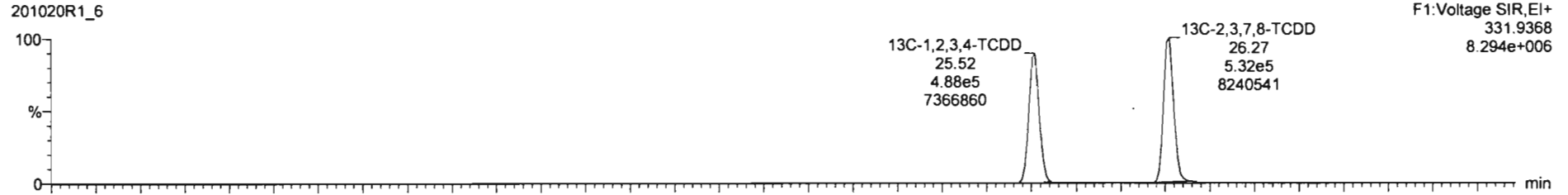


201020R1_6

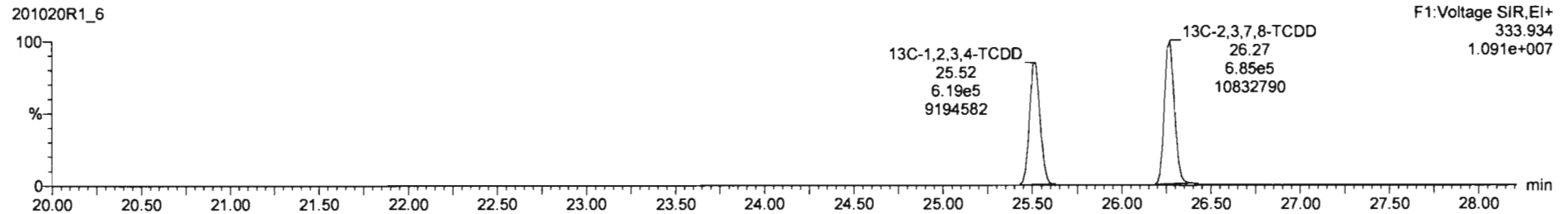


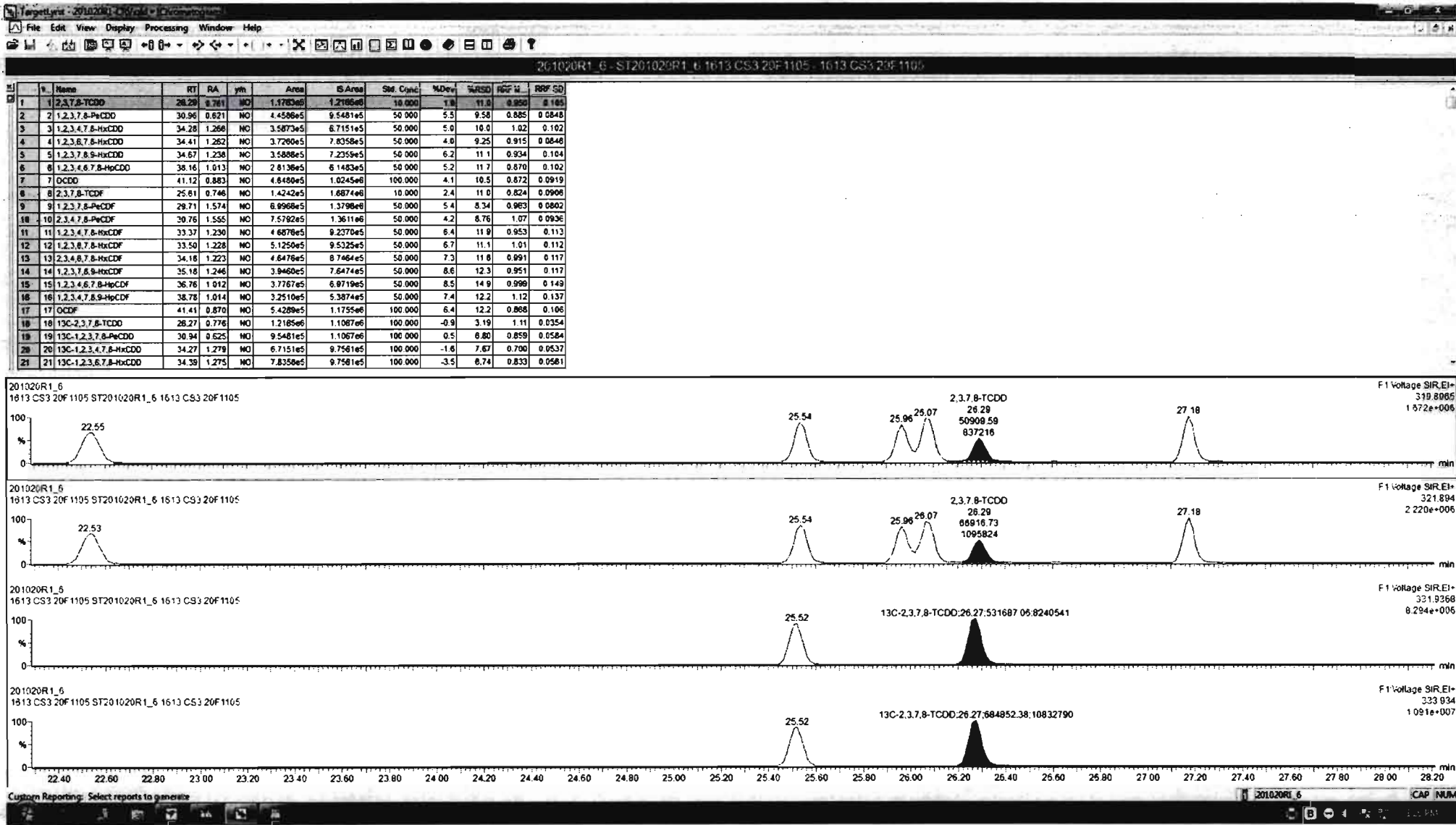
13C-2,3,7,8-TCDD

201020R1_6



201020R1_6





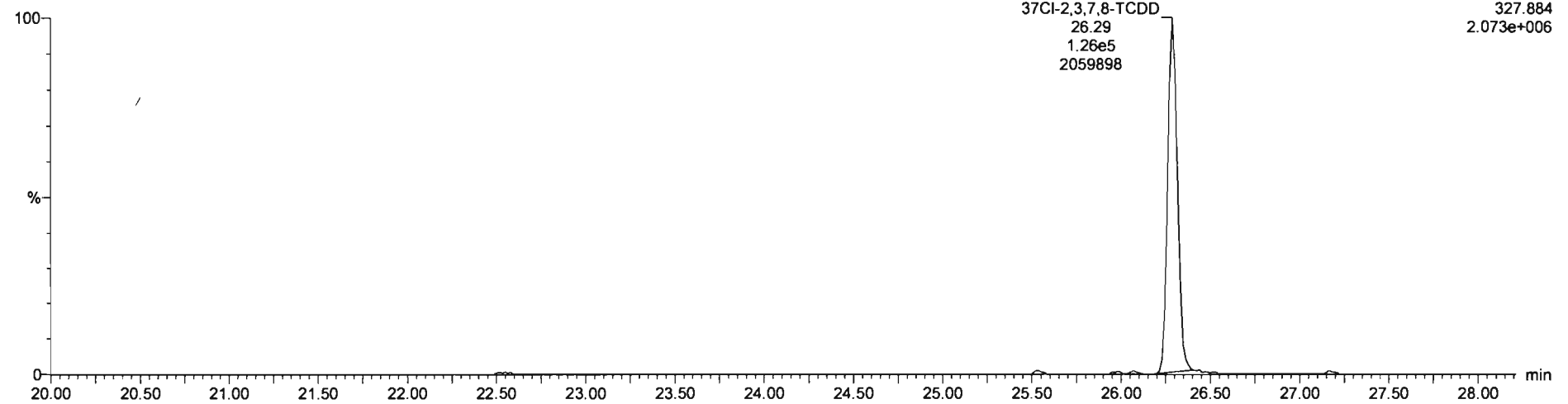
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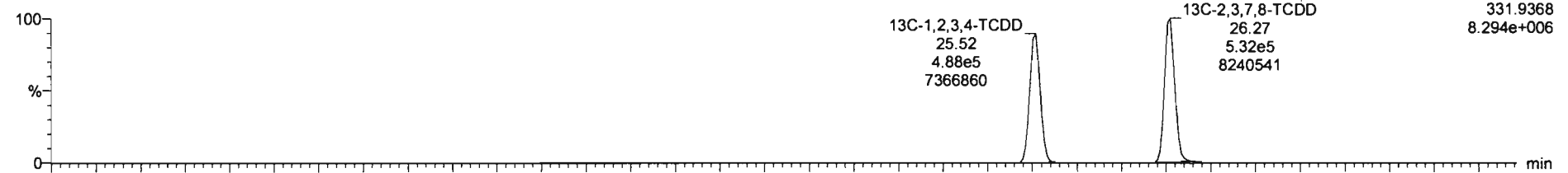
37Cl-2,3,7,8-TCDD

201020R1_6

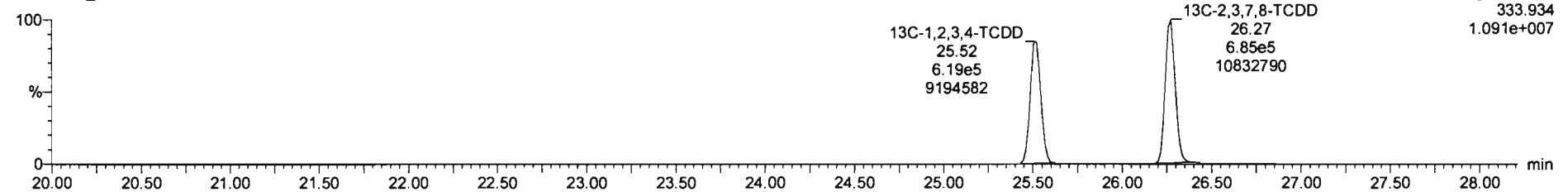


13C-1,2,3,4-TCDD

201020R1_6



201020R1_6



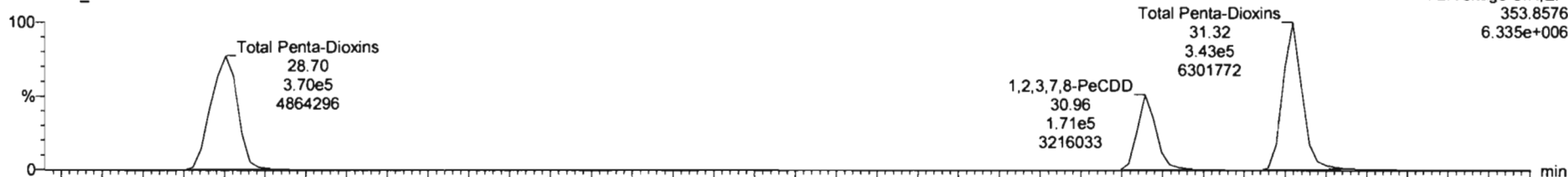
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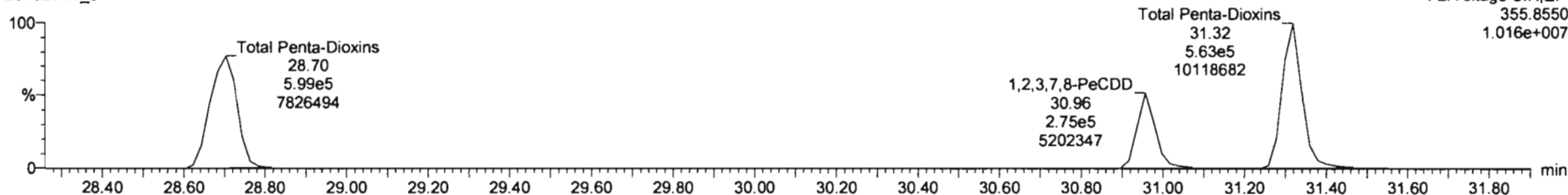
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1,2,3,7,8-PeCDD

201020R1_6

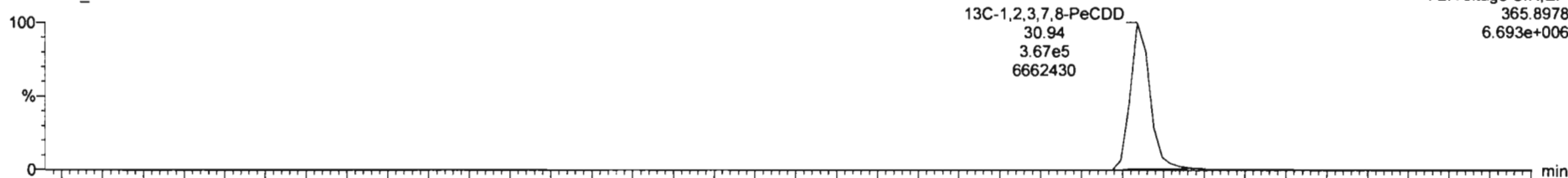


201020R1_6

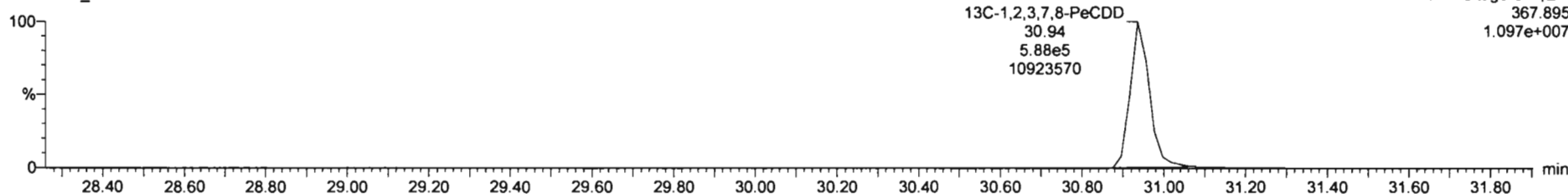


13C-1,2,3,7,8-PeCDD

201020R1_6



201020R1_6



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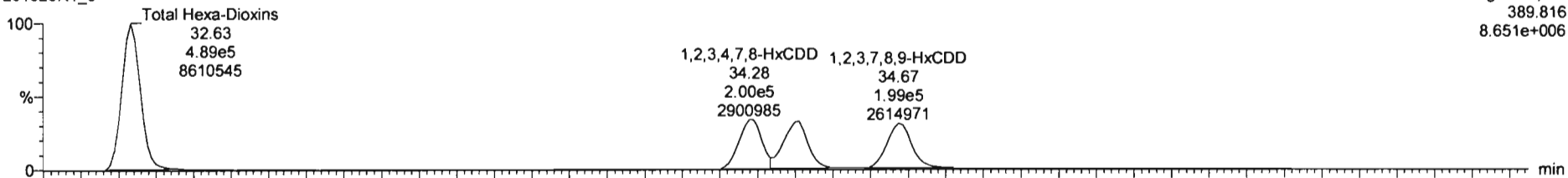
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1,2,3,4,7,8-HxCDD

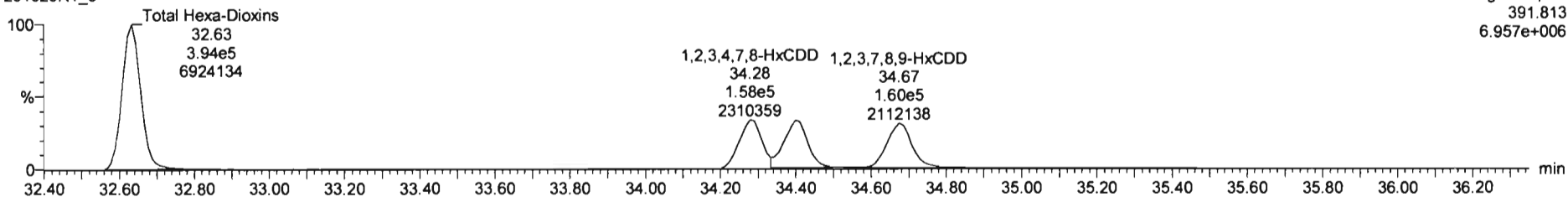
201020R1_6

F3:Voltage SIR,EI+
389.816
8.651e+006



201020R1_6

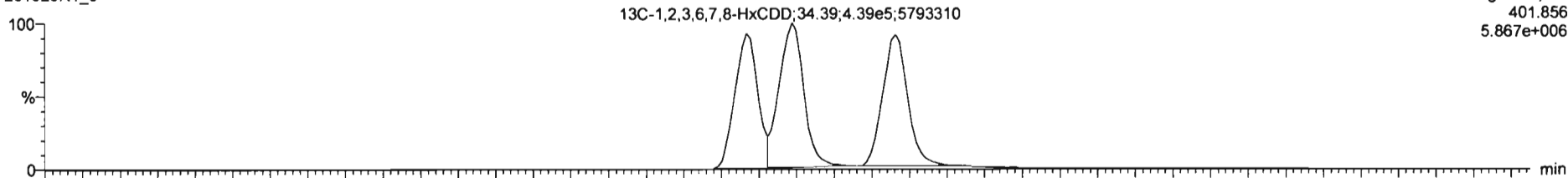
F3:Voltage SIR,EI+
391.813
6.957e+006



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

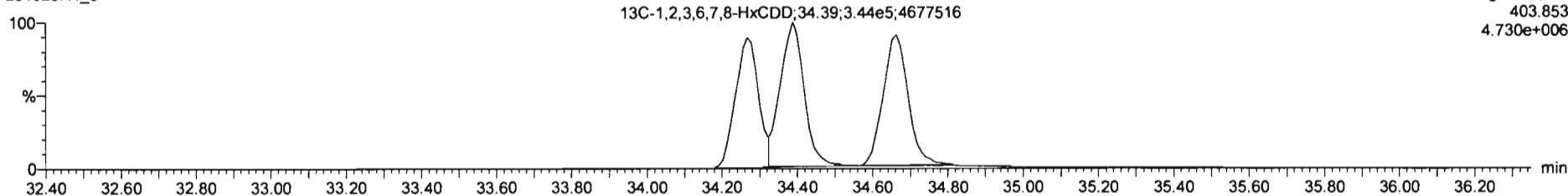
201020R1_6

F3:Voltage SIR,EI+
401.856
5.867e+006



201020R1_6

F3:Voltage SIR,EI+
403.853
4.730e+006



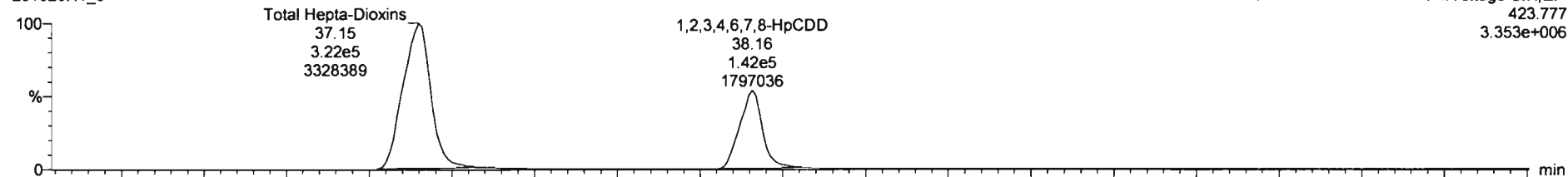
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Printed: Tuesday, October 20, 2020 15:18:47 Pacific Daylight Time

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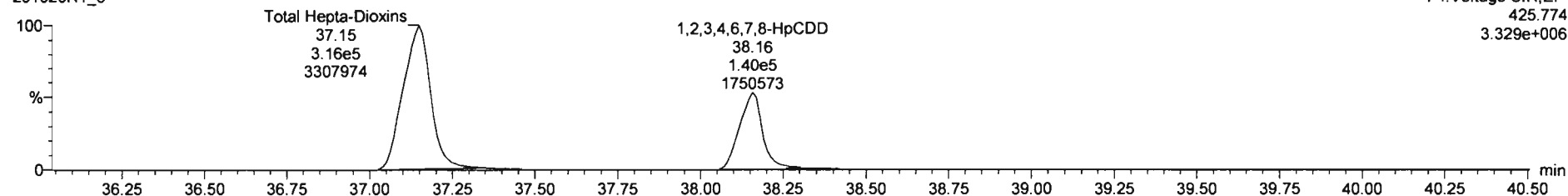
1,2,3,4,6,7,8-HpCDD

201020R1_6



F4: Voltage SIR, EI+
423.777
3.353e+006

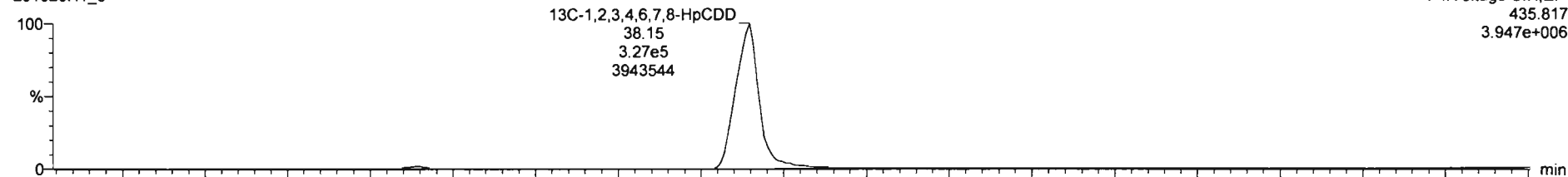
201020R1_6



F4: Voltage SIR, EI+
425.774
3.329e+006

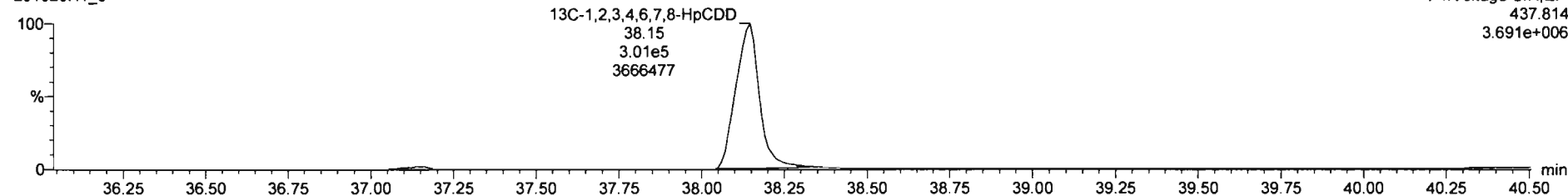
13C-1,2,3,4,6,7,8-HpCDD

201020R1_6



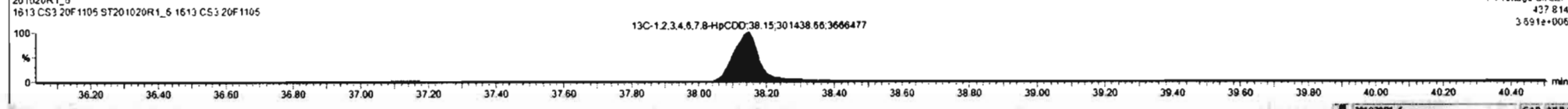
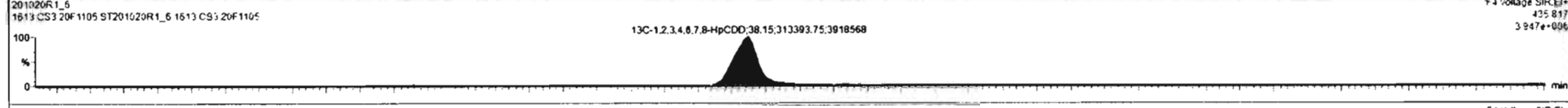
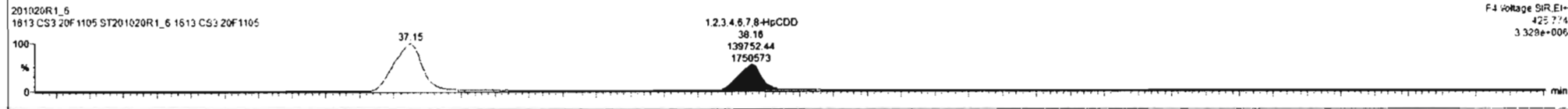
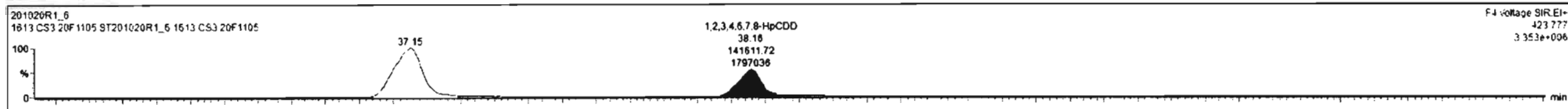
F4: Voltage SIR, EI+
435.817
3.947e+006

201020R1_6



F4: Voltage SIR, EI+
437.814
3.691e+006

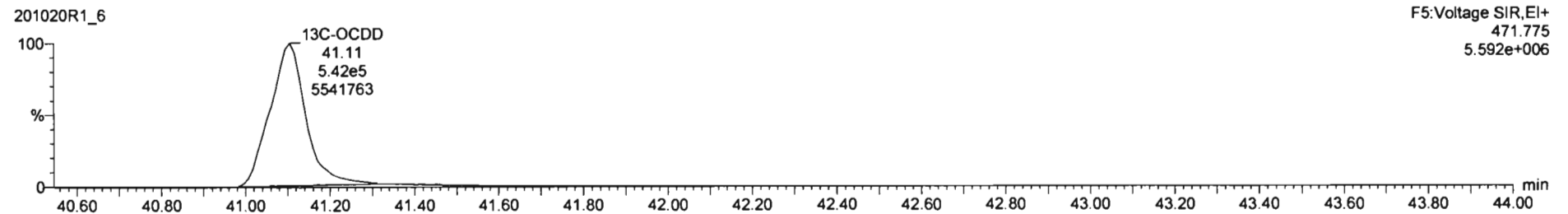
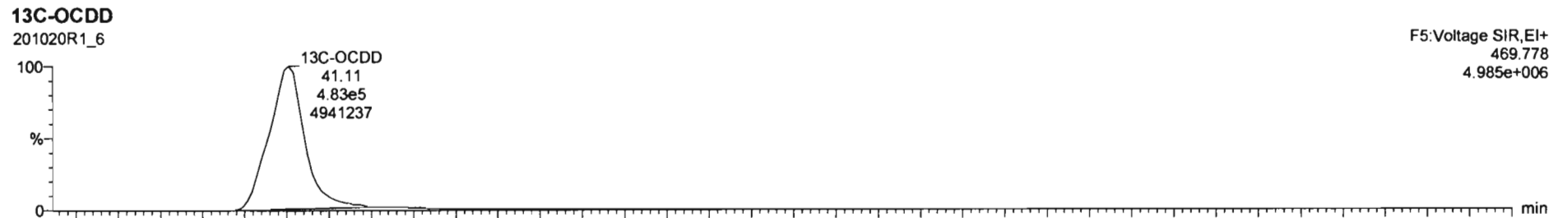
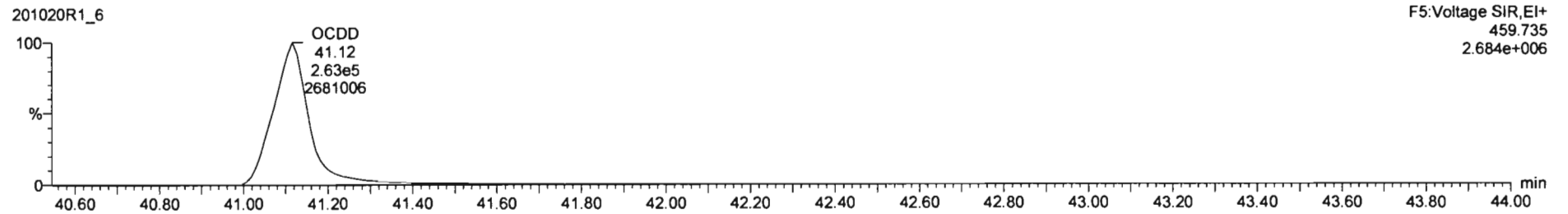
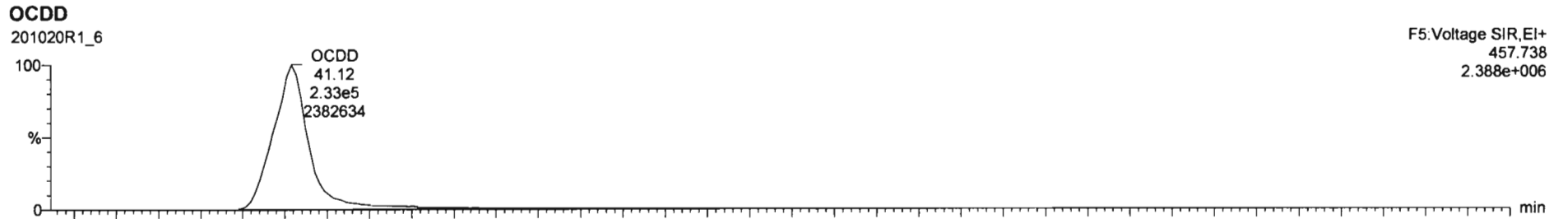
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2	1,2,3,7,8-PeCDD	30.96	0.621	NO	4.4586e5	9.5481e5	50.000	5.5	9.58	0.885	0.0848
3	1,2,3,4,7,8-HxCDD	34.28	1.266	NO	3.5873e5	6.7151e5	50.000	5.0	10.0	1.02	0.102
4	1,2,3,6,7,8-HxCDD	34.41	1.262	NO	3.7260e5	7.8358e5	50.000	4.0	9.25	0.915	0.0848
5	1,2,3,7,8,9-HxCDD	34.67	1.238	NO	3.5888e5	7.2759e5	50.000	6.2	11.1	0.934	0.104
6	1,2,3,4,6,7,8-HpCDD	38.16	1.613	NO	2.8136e5	6.1853e5	50.000	5.2	11.7	0.878	0.182
7	OCDD	41.12	0.883	NO	4.8480e5	1.0245e6	100.000	4.1	10.5	0.872	0.0919
8	2,3,7,8-TCDF	25.61	0.746	NO	1.4242e5	1.6874e6	10.000	2.4	11.0	0.824	0.0906
9	1,2,3,7,8-PeCDF	29.71	1.574	NO	8.9598e5	1.3798e6	50.000	5.4	8.34	0.963	0.0802
10	2,3,4,7,8-PeCDF	30.76	1.555	NO	7.5782e5	1.3611e6	50.000	4.2	8.76	1.07	0.0936
11	1,2,3,4,7,8-HxCDF	33.37	1.230	NO	4.6878e5	9.2370e5	50.000	6.4	11.9	0.853	0.112
12	1,2,3,6,7,8-HxCDF	33.50	1.228	NO	5.1250e5	9.5325e5	50.000	6.7	11.1	1.01	0.112
13	2,3,4,6,7,8-HxCDF	34.18	1.223	NO	4.6476e5	8.7464e5	50.000	7.3	11.6	0.991	0.117
14	1,2,3,7,8,9-HxCDF	35.18	1.246	NO	3.9460e5	7.6474e5	50.000	8.6	12.3	0.951	0.117
15	1,2,3,4,6,7,8-HpCDF	36.76	1.012	NO	3.7767e5	6.9719e5	50.000	8.5	14.9	0.908	0.149
16	1,2,3,4,7,8,9-HpCDF	38.78	1.014	NO	3.2510e5	5.3874e5	50.000	7.4	12.2	1.12	0.137
17	OCDF	41.41	0.870	NO	5.4289e5	1.1755e6	100.000	6.4	12.2	0.868	0.106
18	13C-2,3,7,8-TCDD	26.27	0.776	NO	1.2185e6	1.1067e6	100.000	-0.9	3.19	1.11	0.0354
19	13C-1,2,3,7,8-PeCDD	30.94	0.625	NO	9.5481e5	1.1067e6	100.000	0.5	6.80	0.859	0.0584
20	13C-1,2,3,4,7,8-HxCDD	34.27	1.279	NO	6.7151e5	9.7561e5	100.000	-1.6	7.67	0.700	0.0537
21	13C-1,2,3,6,7,8-HxCDD	34.39	1.275	NO	7.8358e5	9.7561e5	100.000	-3.5	8.74	0.833	0.0561

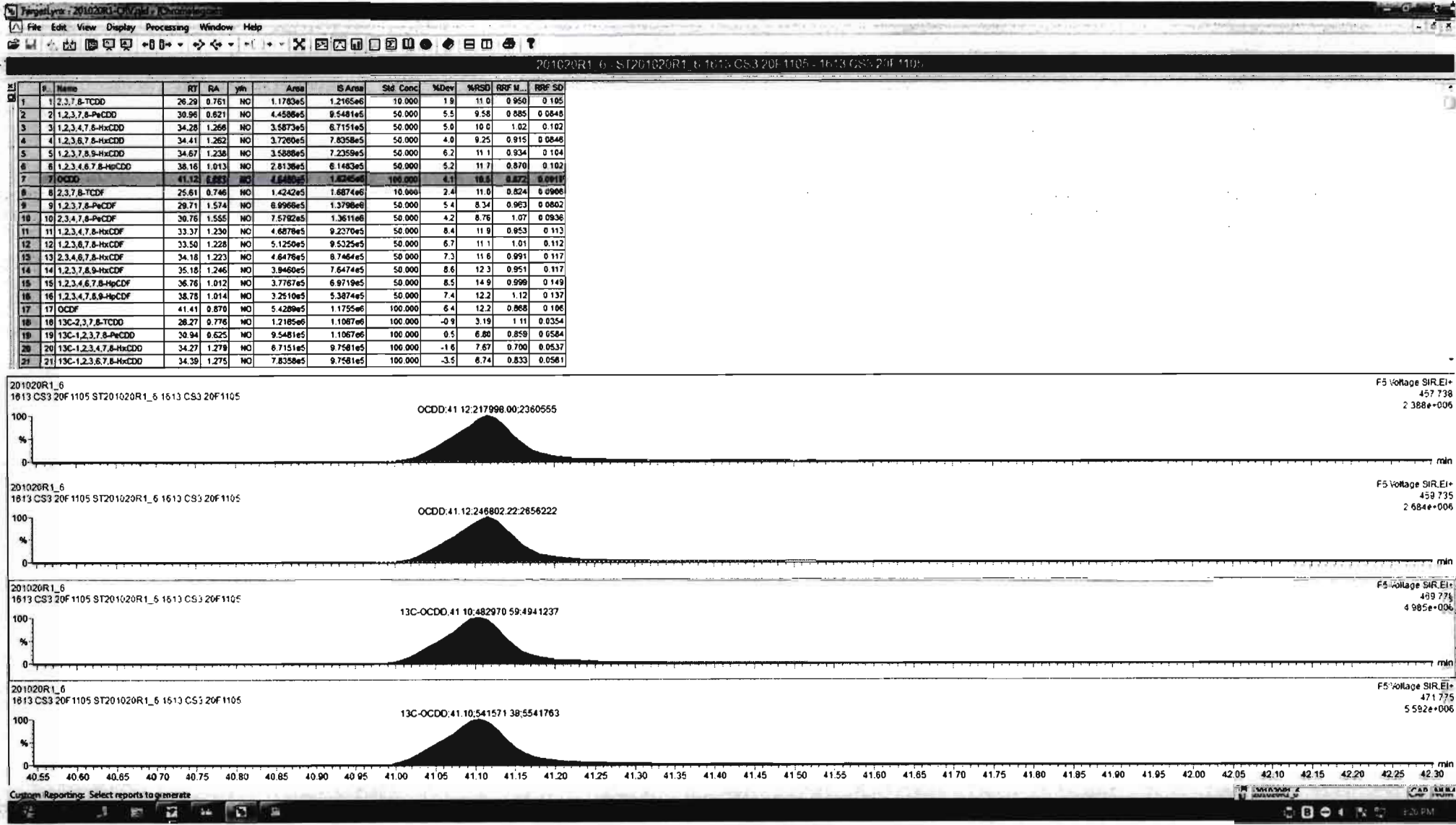


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Printed: Tuesday, October 20, 2020 15:18:47 Pacific Daylight Time

Name: 201020R1_6, Date: 20-Oct-2020, Time: 13:01:38, ID: ST201020R1_6 1613 CS3 20F1105, Description: 1613 CS3 20F1105





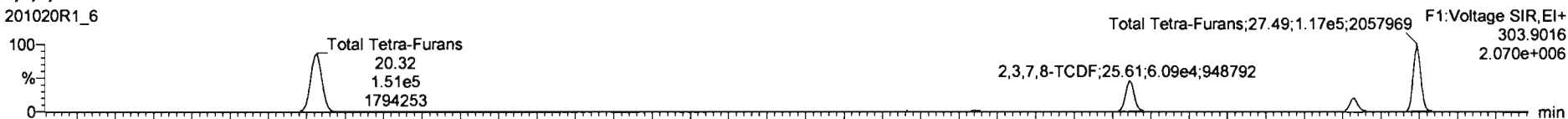
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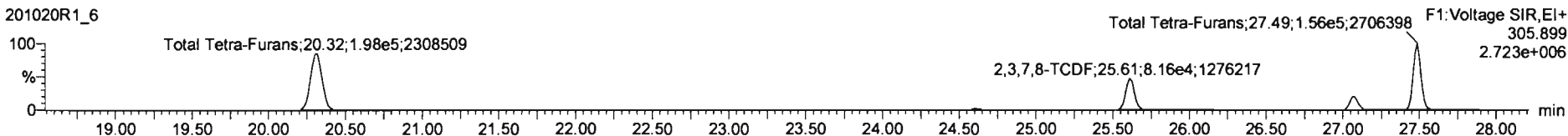
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2,3,7,8-TCDF

201020R1_6

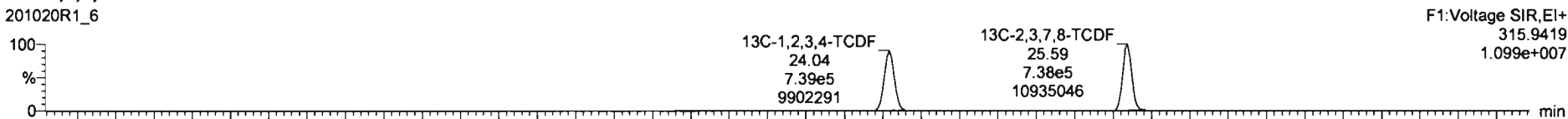


201020R1_6

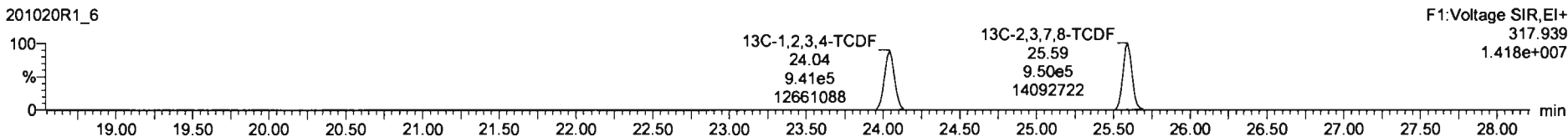


13C-2,3,7,8-TCDF

201020R1_6

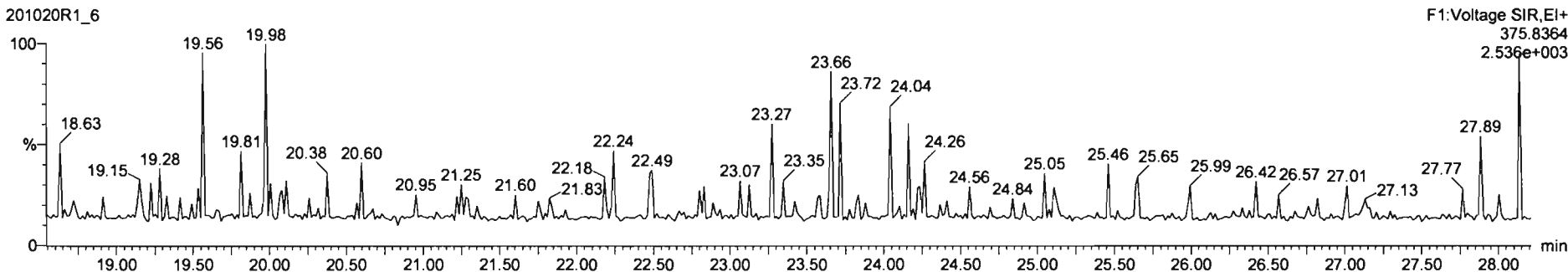


201020R1_6



DPE1

201020R1_6



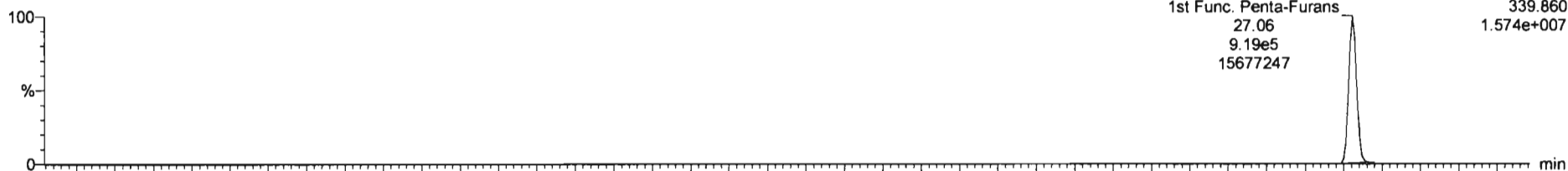
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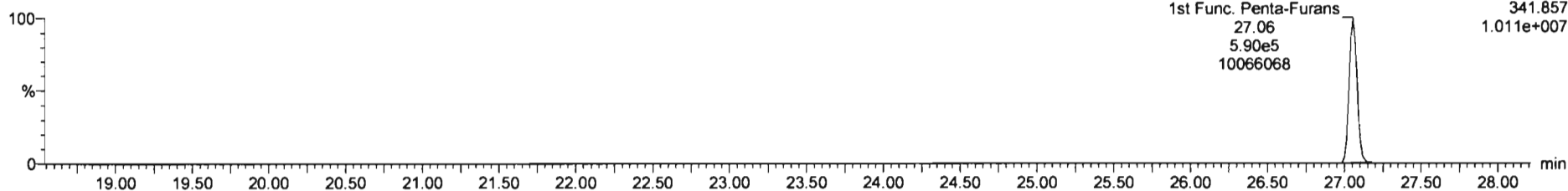
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1st Func. Penta-Furans

201020R1_6

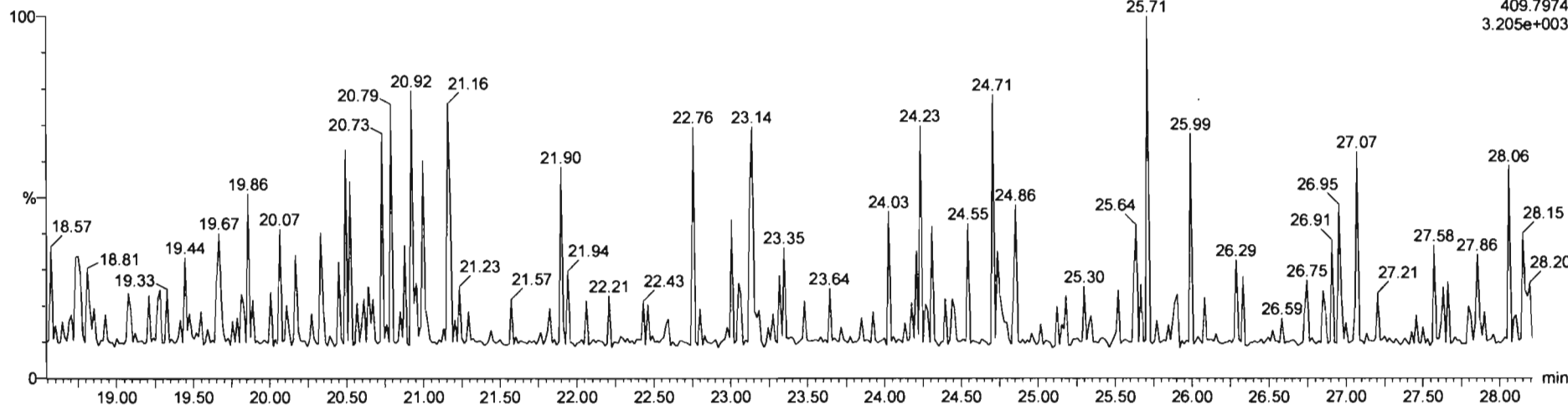


201020R1_6



DPE6

201020R1_6



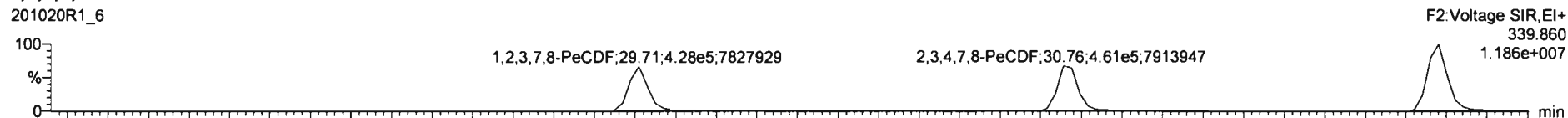
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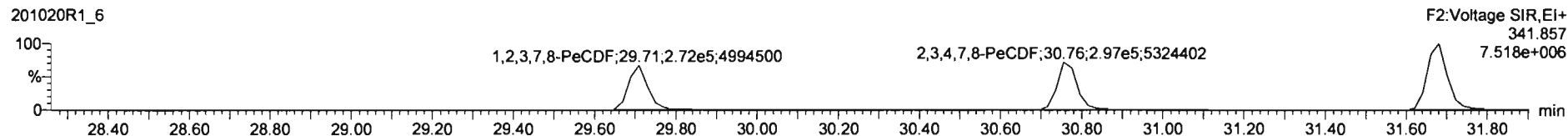
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1,2,3,7,8-PeCDF

201020R1_6

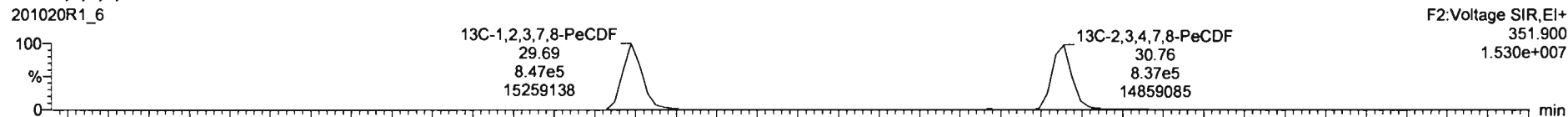


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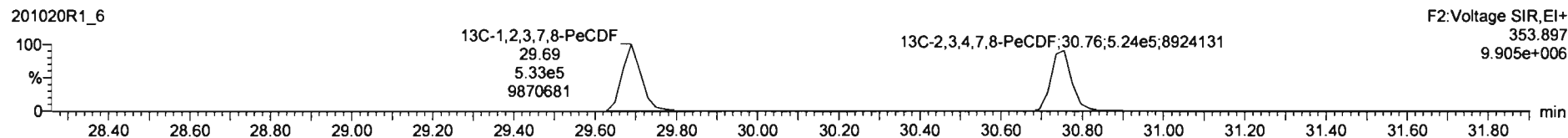


13C-1,2,3,7,8-PeCDF

201020R1_6

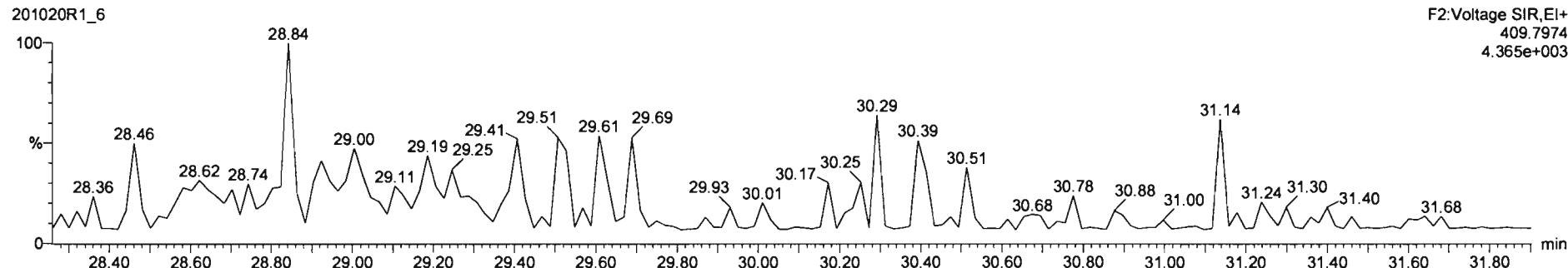


201020R1_6



DPE2

201020R1_6

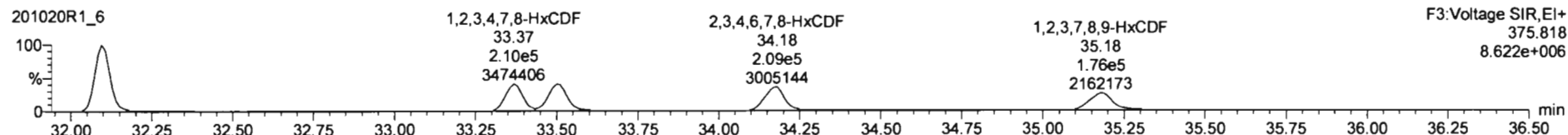
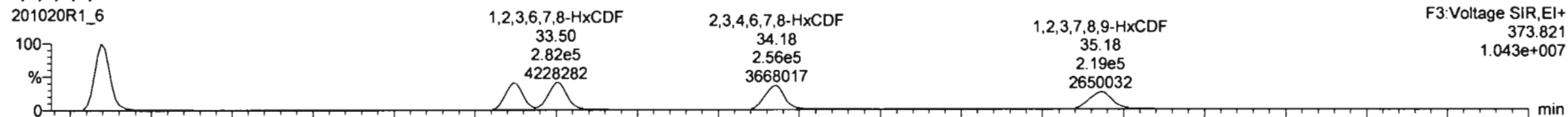


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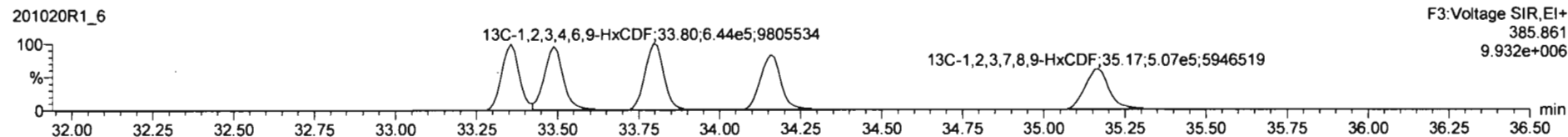
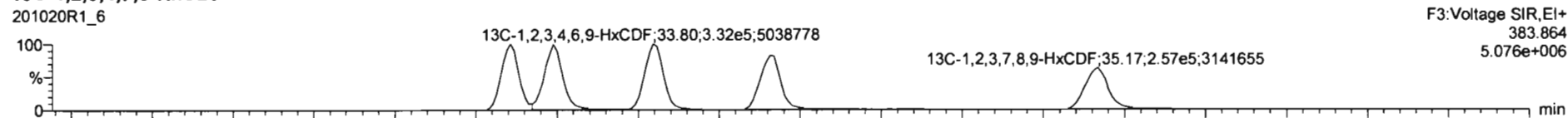
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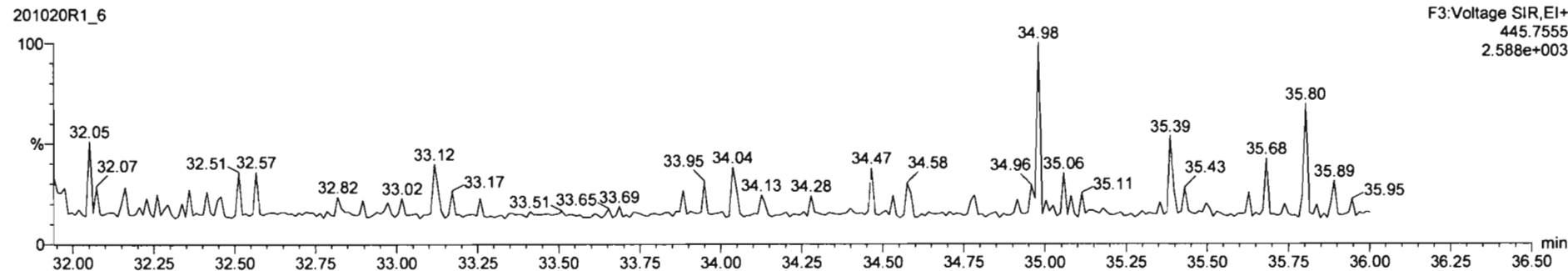
1,2,3,4,7,8-HxCDF



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



DPE3



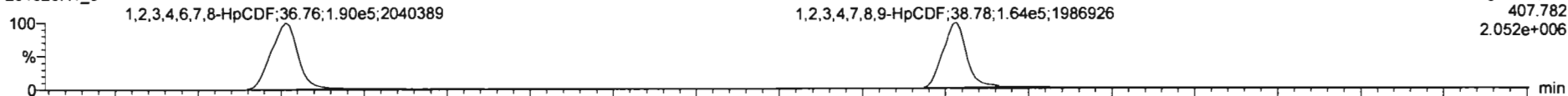
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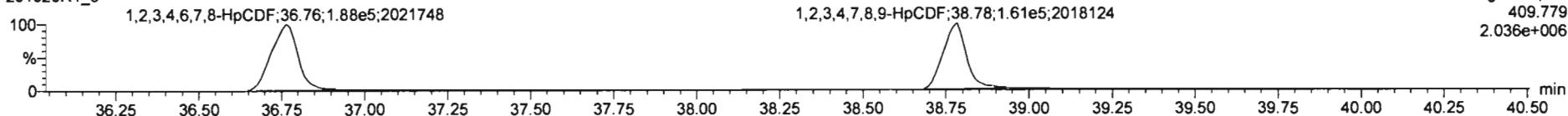
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1,2,3,4,6,7,8-HpCDF

201020R1_6

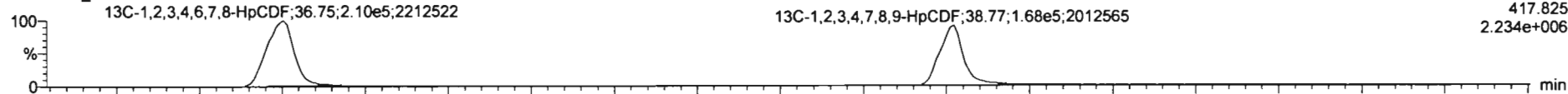


201020R1_6

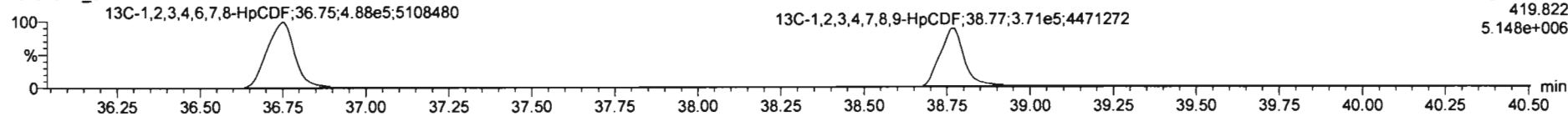


13C-1,2,3,4,6,7,8-HpCDF

201020R1_6

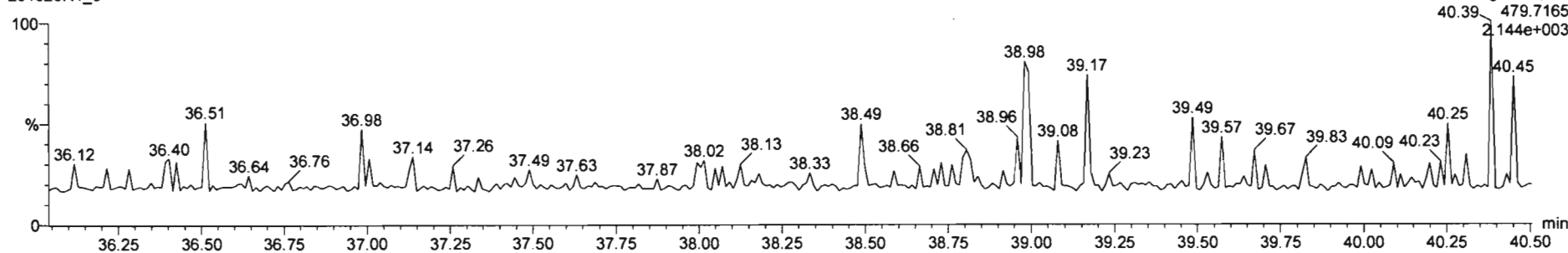


201020R1_6



DPE4

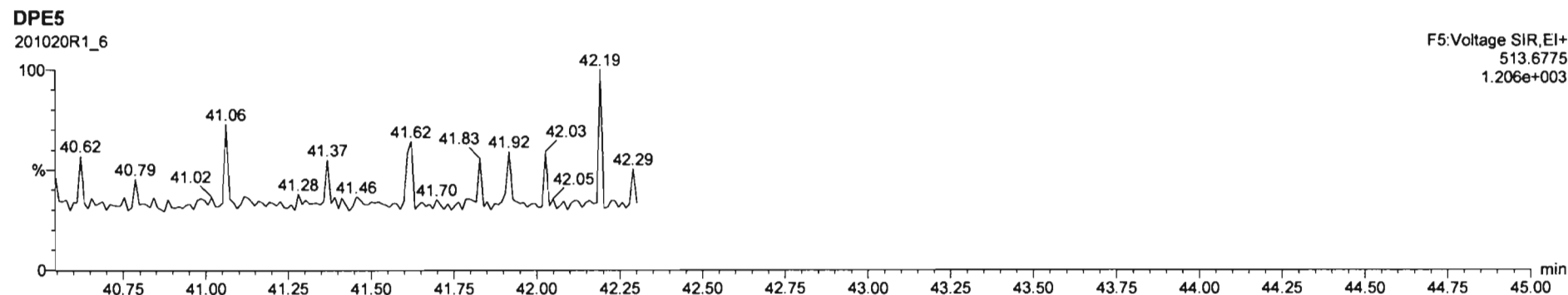
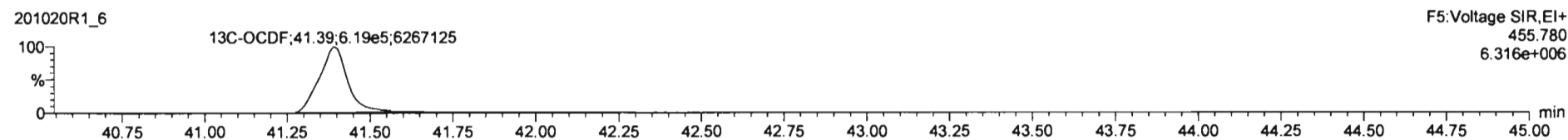
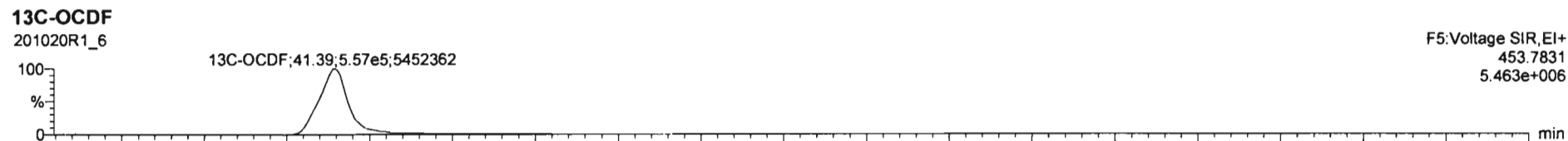
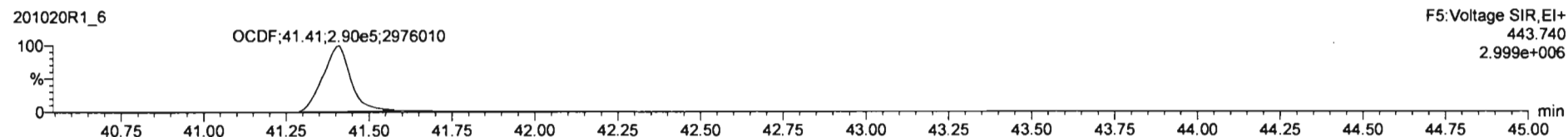
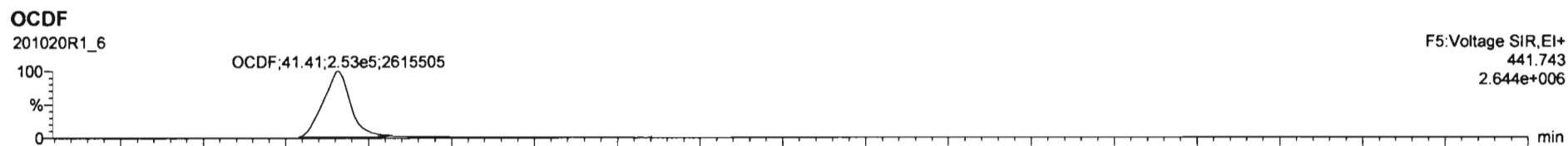
201020R1_6



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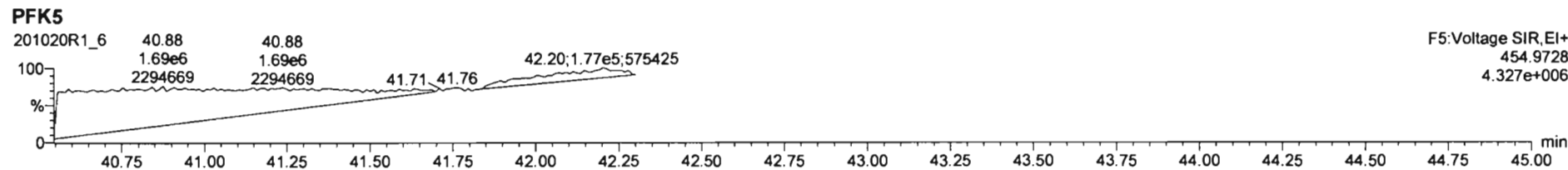
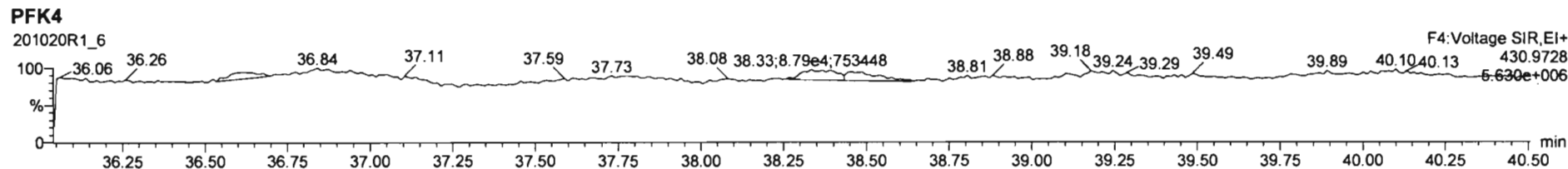
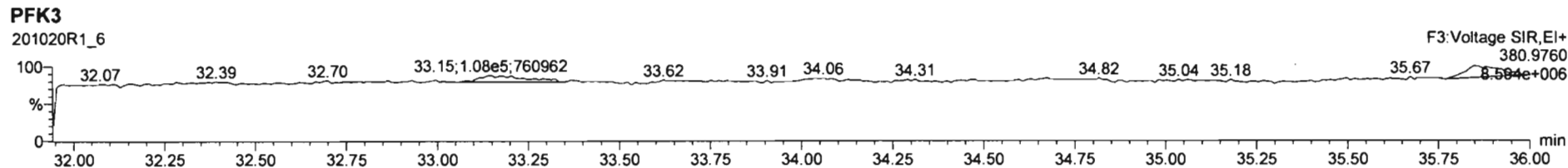
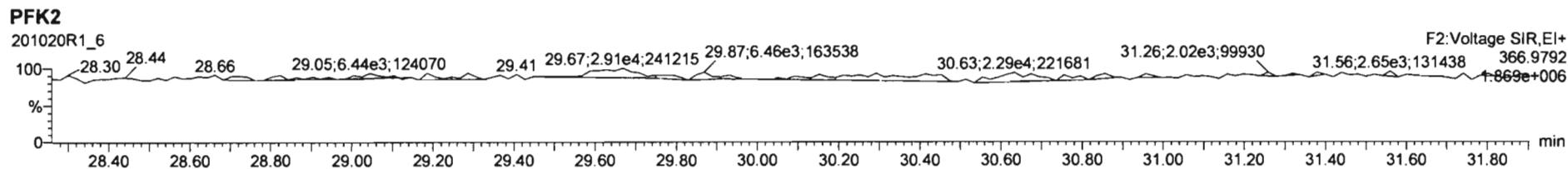
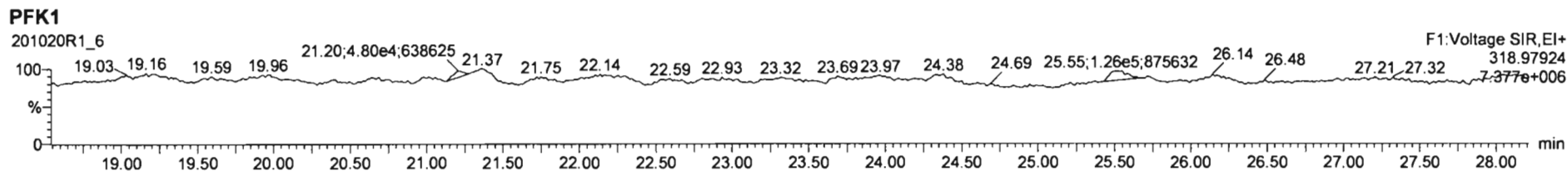
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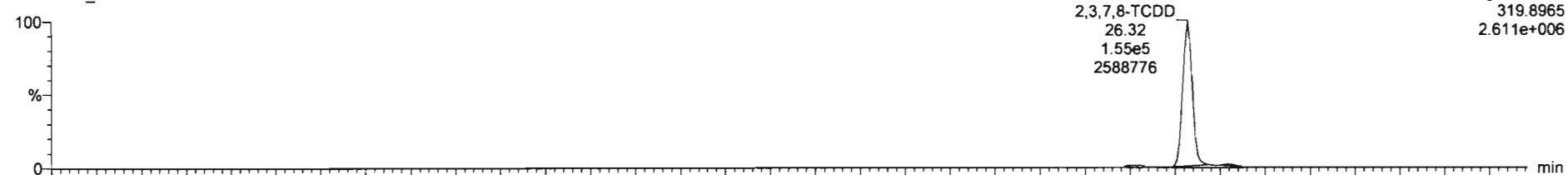
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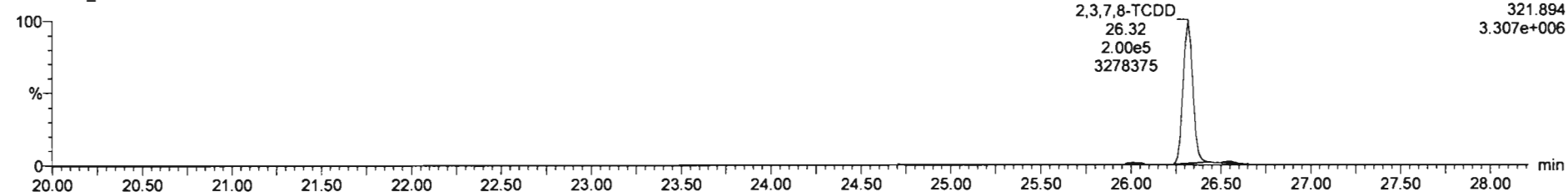
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2,3,7,8-TCDD

201020R1_4

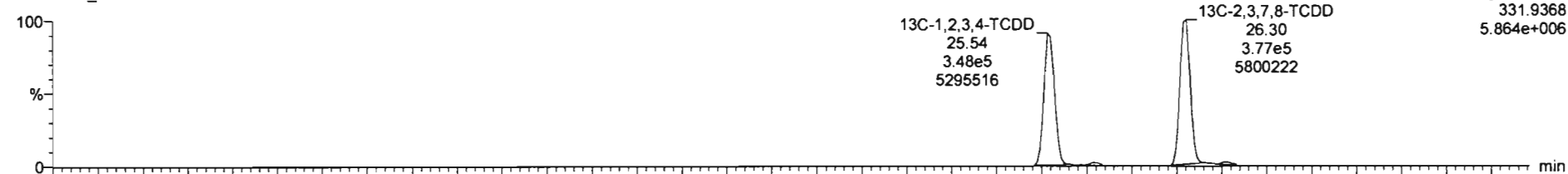


201020R1_4

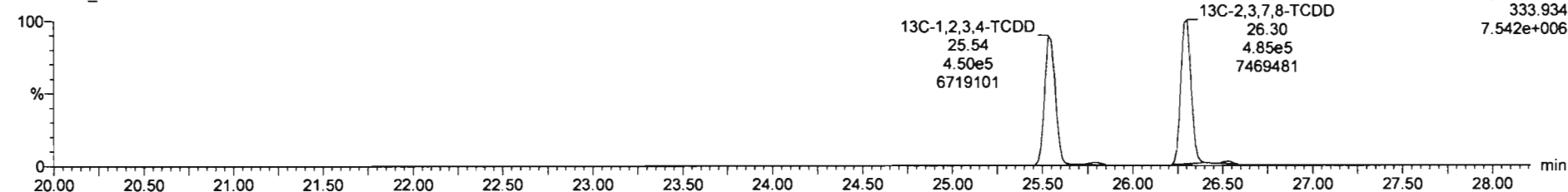


13C-2,3,7,8-TCDD

201020R1_4



201020R1_4



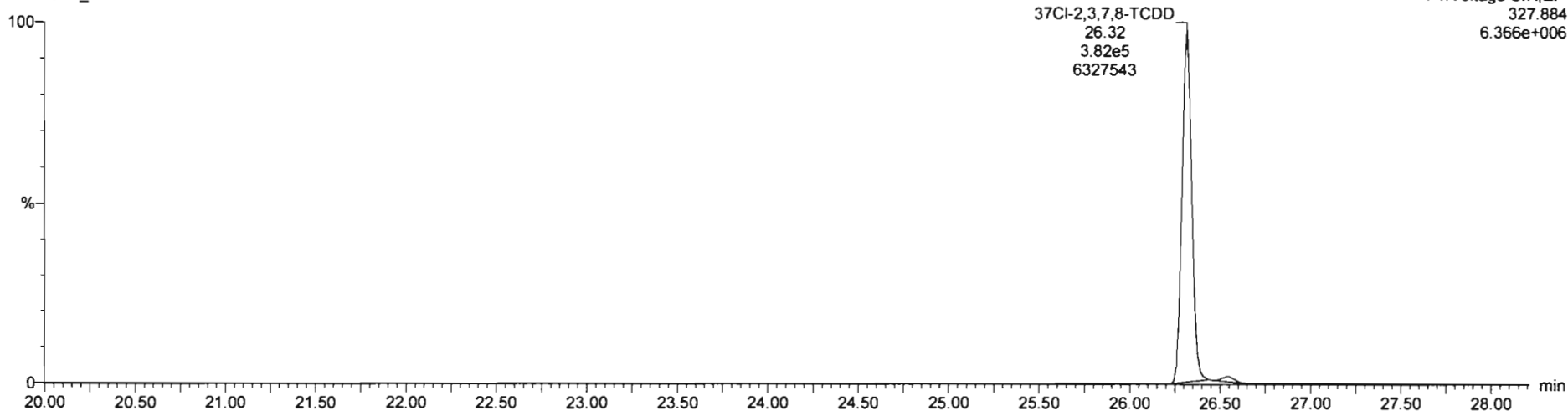
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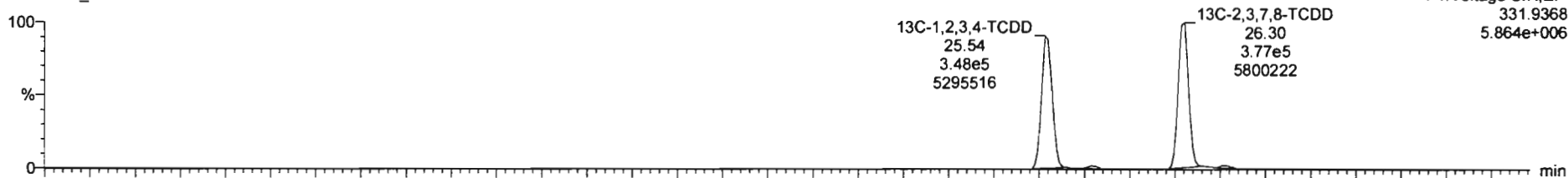
37Cl-2,3,7,8-TCDD

201020R1_4

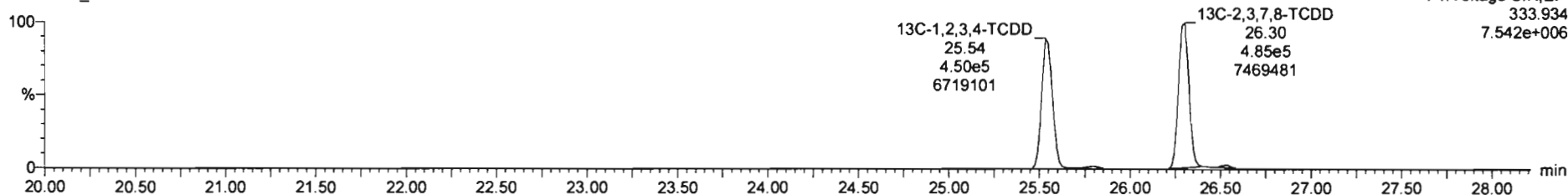


13C-1,2,3,4-TCDD

201020R1_4



201020R1_4



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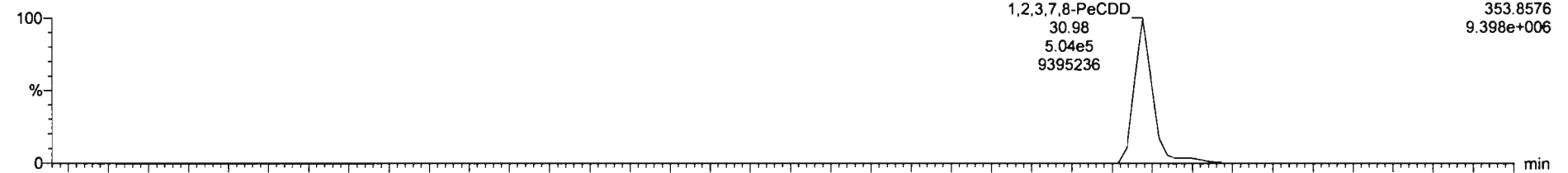
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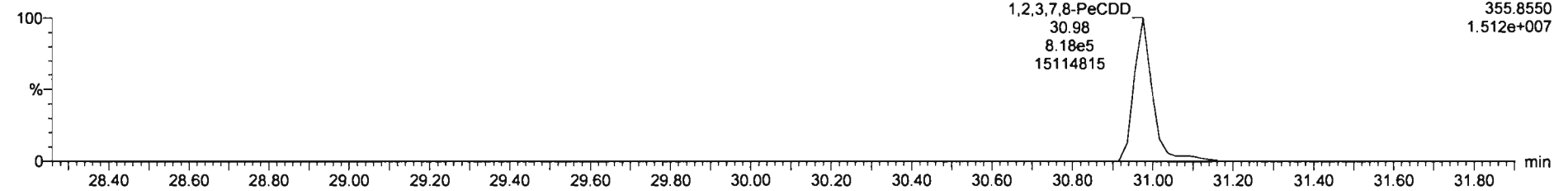
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1,2,3,7,8-PeCDD

201020R1_4

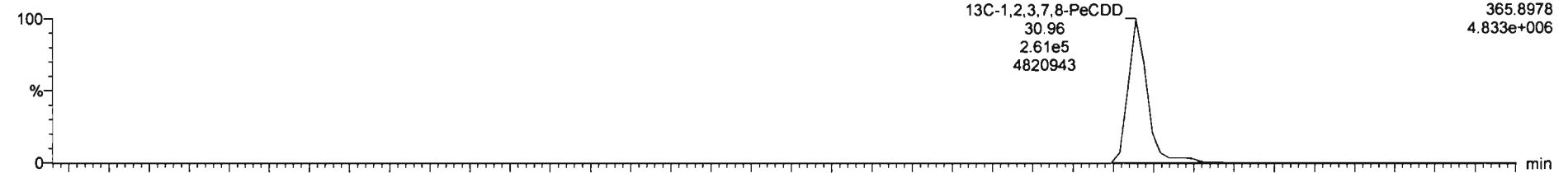


201020R1_4

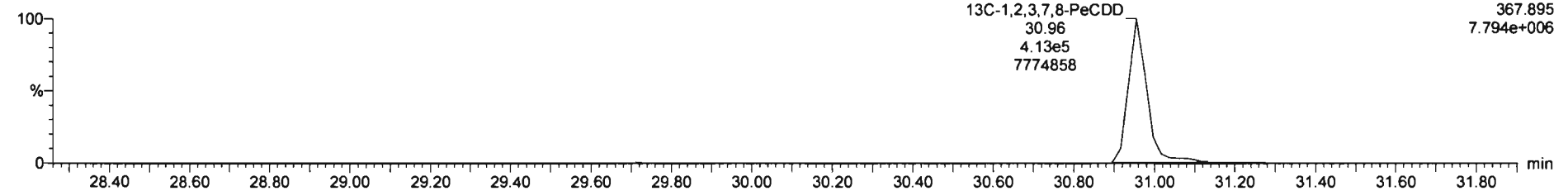


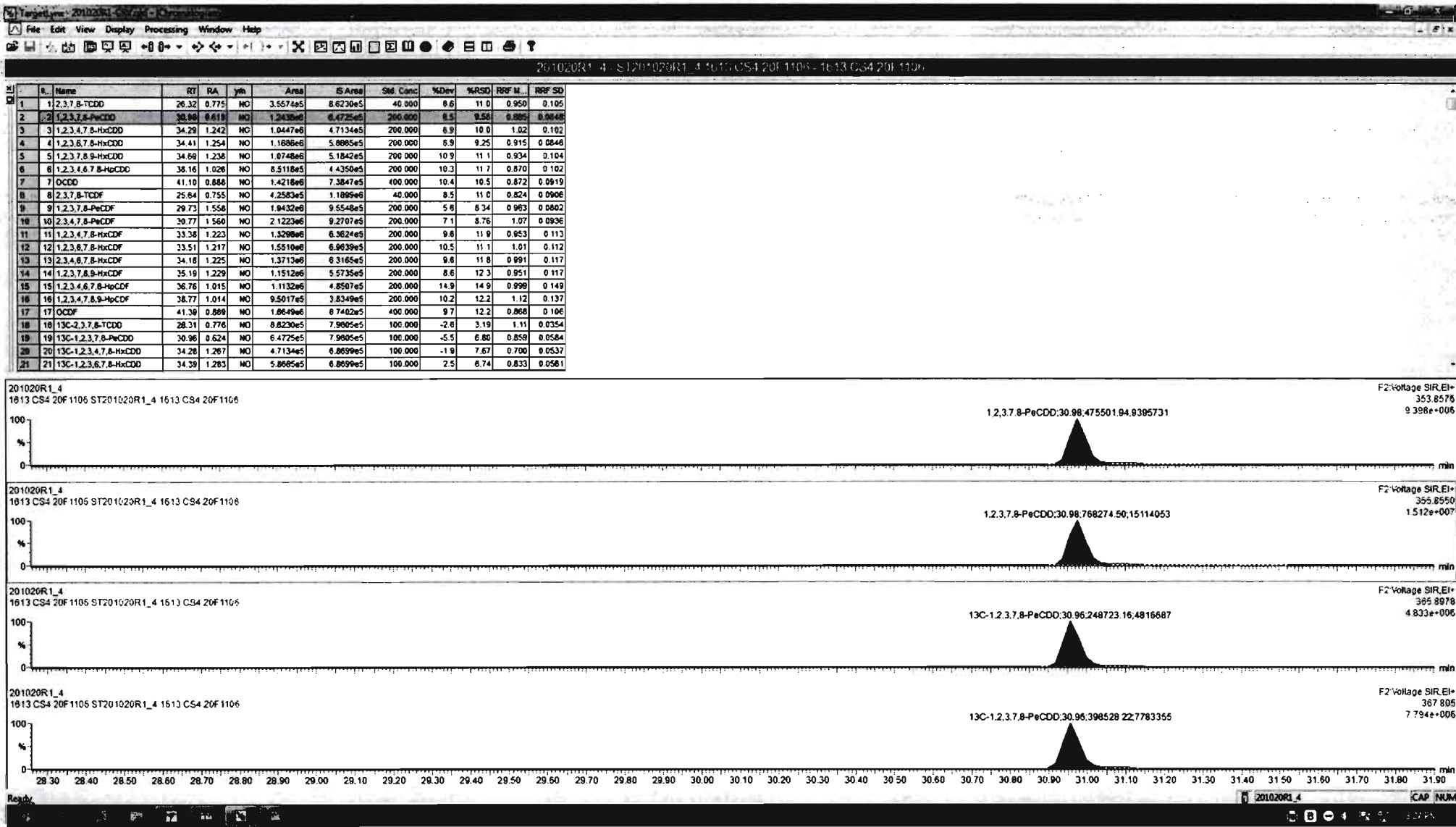
13C-1,2,3,7,8-PeCDD

201020R1_4



201020R1_4





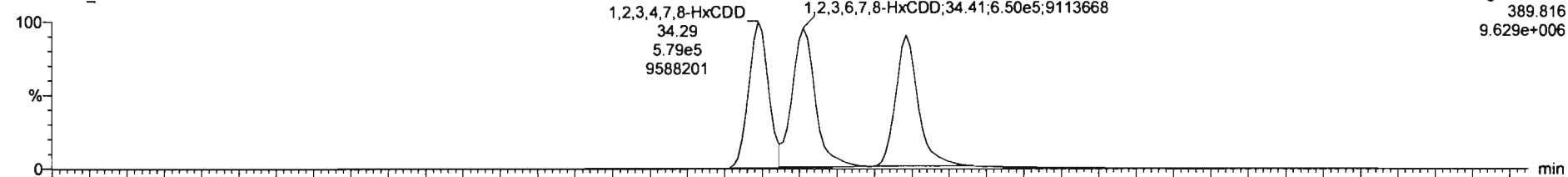
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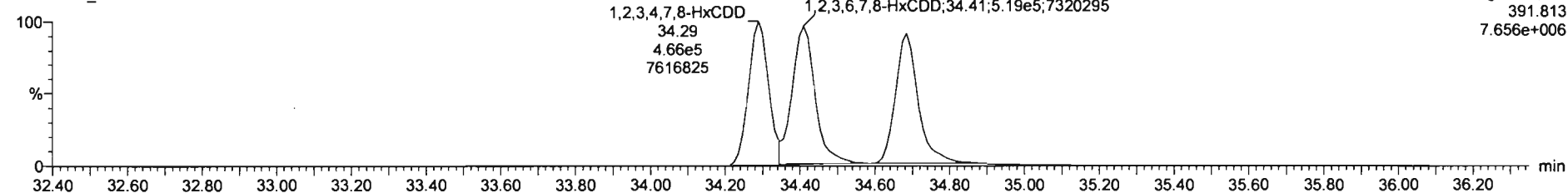
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1,2,3,4,7,8-HxCDD

201020R1_4

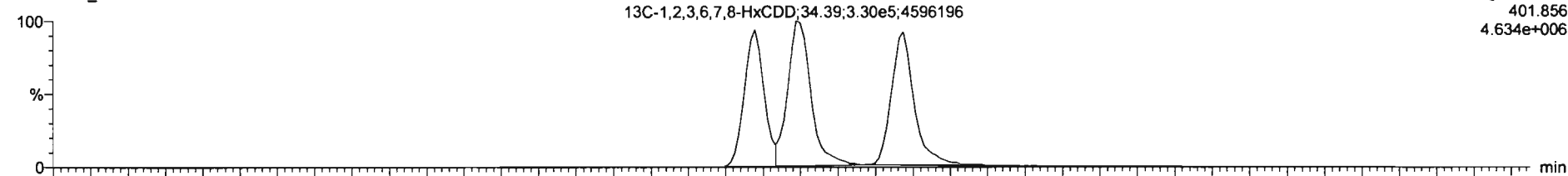


201020R1_4

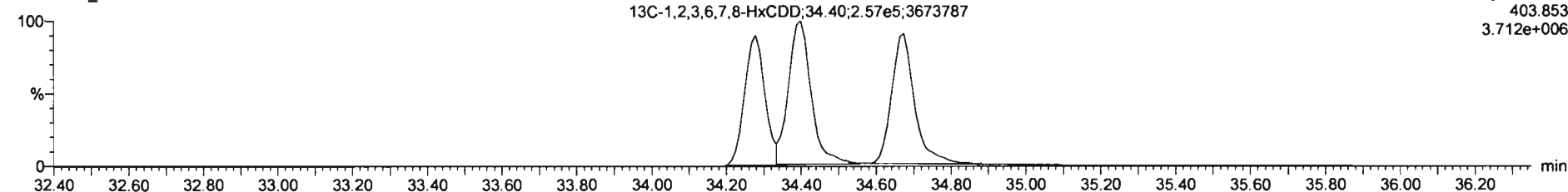


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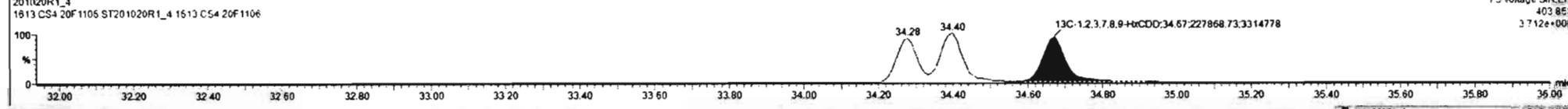
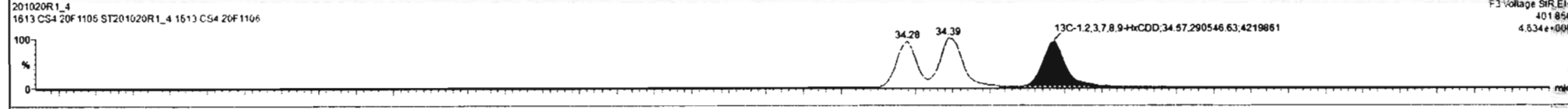
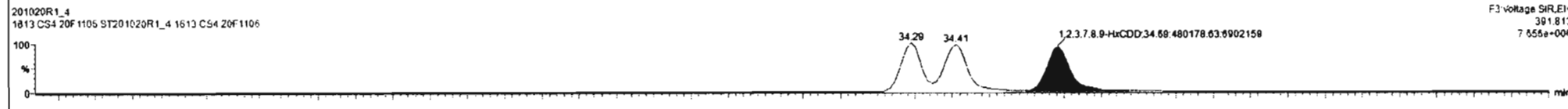
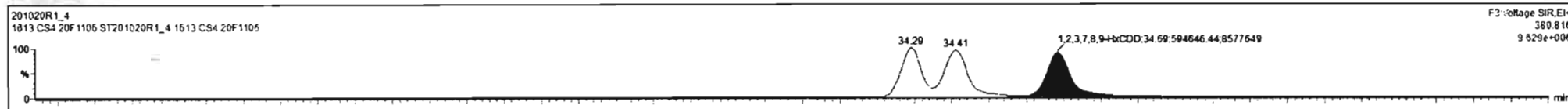
201020R1_4



201020R1_4



#	Name	RT	RA	yth	Ams	SAms	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.32	0.775	NO	3.5574e5	8.6230e5	40.000	8.6	11.0	0.950	0.105
2	1,2,3,7,8-PeCDD	30.98	0.619	NO	1.2438e6	6.4725e5	200.000	8.5	9.58	0.885	0.0848
3	1,2,3,4,7,8-HxCDD	34.29	1.242	NO	1.0447e6	4.7134e5	200.000	8.9	10.0	1.02	0.102
4	1,2,3,6,7,8-HxCDD	34.41	1.254	NO	1.1698e6	5.8985e5	200.000	8.9	9.25	0.915	0.0848
5	1,2,3,7,8,9-HxCDD	34.89	1.229	NO	1.8748e6	5.1924e5	200.000	10.8	11.1	0.934	0.184
6	1,2,3,4,6,7,8-HpCDD	38.16	1.026	NO	8.5118e5	4.4350e5	200.000	10.3	11.7	0.870	0.102
7	OCDD	41.10	0.888	NO	1.4218e6	7.3847e5	400.000	10.4	10.5	0.872	0.0919
8	2,3,7,8-TCDF	25.84	0.755	NO	4.2583e5	1.1869e6	40.000	8.5	11.0	0.824	0.0908
9	1,2,3,7,8-PeCDF	29.73	1.556	NO	1.9432e6	9.5548e5	200.000	5.6	8.34	0.963	0.0802
10	2,3,4,7,8-PeCDF	30.77	1.560	NO	2.1223e6	9.2707e5	200.000	7.1	8.76	1.07	0.0936
11	1,2,3,4,7,8-HxCDF	33.38	1.223	NO	1.3298e6	6.3624e5	200.000	9.8	11.9	0.953	0.112
12	1,2,3,6,7,8-HxCDF	33.51	1.217	NO	1.5510e6	6.9639e5	200.000	10.5	11.1	1.01	0.112
13	2,3,4,6,7,8-HxCDF	34.18	1.225	NO	1.3713e6	6.3165e5	200.000	9.6	11.8	0.991	0.117
14	1,2,3,7,8,9-HxCDF	35.19	1.229	NO	1.1512e6	5.5735e5	200.000	8.6	12.3	0.951	0.117
15	1,2,3,4,6,7,8-HpCDF	36.76	1.015	NO	1.1132e6	4.8507e5	200.000	14.9	14.9	0.998	0.149
16	1,2,3,4,7,8,9-HpCDF	38.77	1.014	NO	9.5017e5	3.8349e5	200.000	10.2	12.2	1.12	0.137
17	OCDF	41.39	0.889	NO	1.8649e6	8.7402e5	400.000	9.7	12.2	0.868	0.106
18	13C-2,3,7,8-TCDD	28.31	0.776	NO	8.8230e5	7.9905e5	100.000	-2.6	3.19	1.11	0.0354
19	13C-1,2,3,7,8-PeCDD	30.98	0.624	NO	6.4725e5	7.9905e5	100.000	-5.5	6.80	0.859	0.0584
20	13C-1,2,3,4,7,8-HxCDD	34.28	1.267	NO	4.7134e5	6.8699e5	100.000	-1.9	7.87	0.700	0.0537
21	13C-1,2,3,6,7,8-HxCDD	34.39	1.283	NO	5.8985e5	6.8699e5	100.000	2.5	8.74	0.833	0.0561



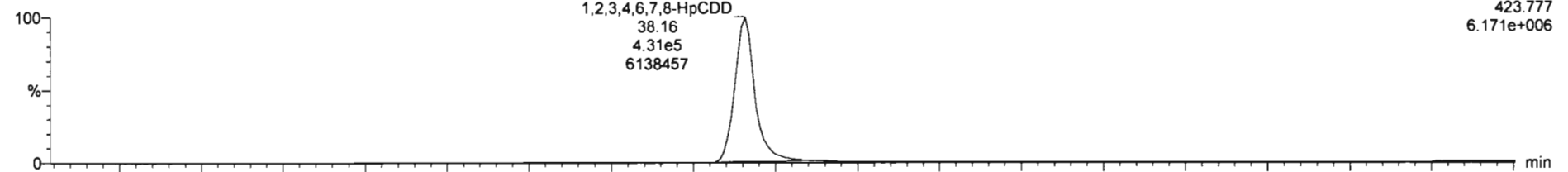
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Printed: Tuesday, October 20, 2020 15:18:47 Pacific Daylight Time

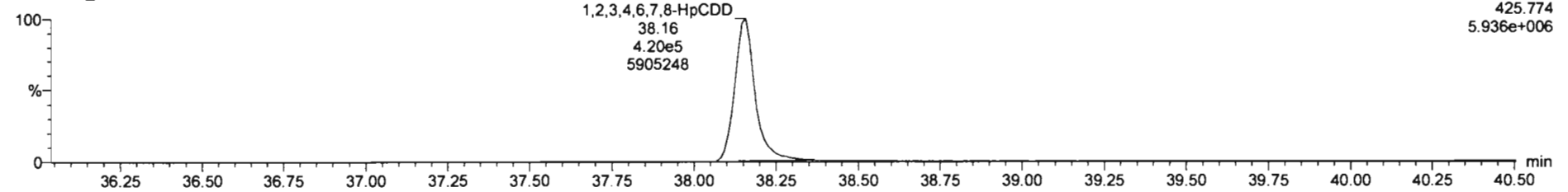
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1,2,3,4,6,7,8-HpCDD

201020R1_4

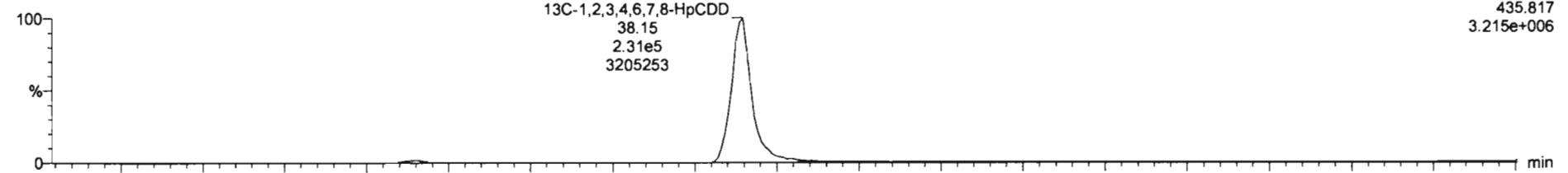


201020R1_4

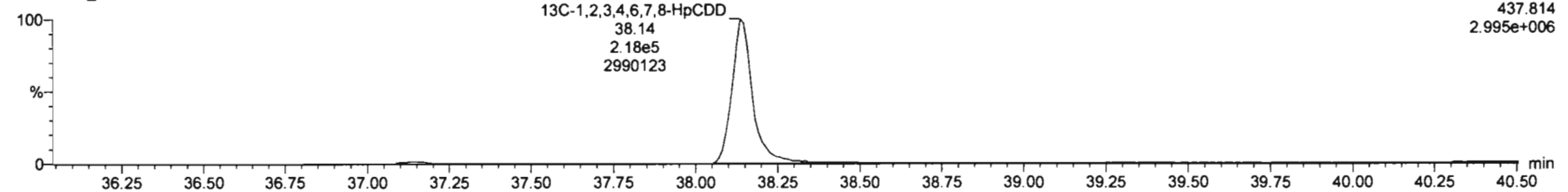


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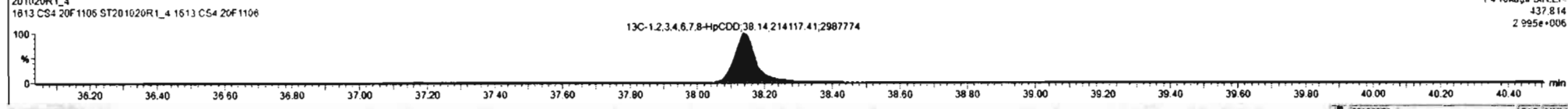
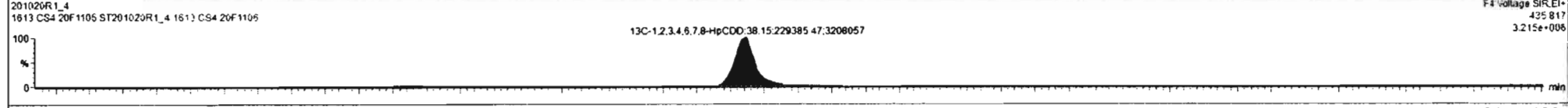
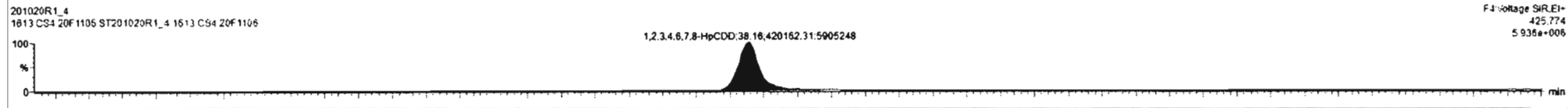
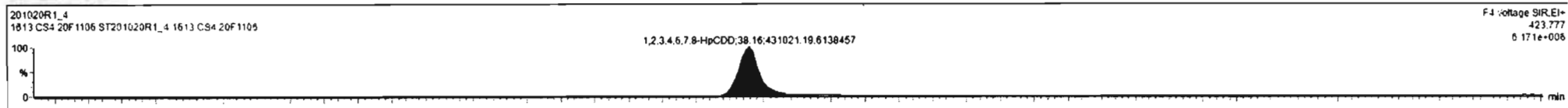
201020R1_4



201020R1_4



#	Name	RT	RA	Yth	Area	IS Area	Std Conc	%Dev	%RSD	RRF M.	RRF SD
1	1,2,3,7,8-TCDD	26.32	0.775	NO	3.5574e5	8.6230e5	40.000	8.8	11.0	0.950	0.185
2	1,2,3,7,8-PeCDD	30.98	0.619	NO	1.2438e6	6.4725e5	200.000	8.5	9.58	0.585	0.0648
3	1,2,3,4,7,8-HxCDD	34.29	1.242	NO	1.0447e6	4.7134e5	200.000	8.9	10.0	1.02	0.102
4	1,2,3,6,7,8-HxCDD	34.41	1.254	NO	1.1898e6	5.8685e5	200.000	8.9	9.25	0.915	0.0846
5	1,2,3,7,8,9-HxCDD	34.63	1.238	NO	1.0748e6	5.1842e5	200.000	10.9	11.1	0.934	0.164
6	1,2,3,4,6,7,8-HpCDD	38.18	1.628	NO	8.5118e5	4.4390e5	200.000	10.3	11.7	0.878	0.182
7	OCDD	41.10	8.888	NO	1.4218e6	7.3847e5	400.000	10.4	10.5	0.872	0.0919
8	2,3,7,8-TCDF	25.84	0.755	NO	4.2583e5	1.1899e6	40.000	8.5	11.0	0.824	0.0906
9	1,2,3,7,8-PeCDF	29.73	1.556	NO	1.9432e6	9.5548e5	200.000	5.8	8.34	0.983	0.0802
10	2,3,4,7,8-PeCDF	30.77	1.560	NO	2.1223e6	9.2707e5	200.000	7.1	8.76	1.07	0.0936
11	1,2,3,4,7,8-HxCDF	33.38	1.223	NO	1.3298e6	6.3824e5	200.000	9.8	11.9	0.953	0.113
12	1,2,3,6,7,8-HxCDF	33.51	1.217	NO	1.5510e6	8.9639e5	200.000	10.5	11.1	1.01	0.112
13	2,3,4,6,7,8-HxCDF	34.18	1.225	NO	1.3713e6	6.3165e5	200.000	9.8	11.8	0.991	0.117
14	1,2,3,7,8,9-HxCDF	35.19	1.229	NO	1.1512e6	5.5735e5	200.000	8.6	12.3	0.951	0.117
15	1,2,3,4,6,7,8-HpCDF	36.76	1.015	NO	1.1132e6	4.8507e5	200.000	14.9	14.9	0.998	0.149
16	1,2,3,4,7,8,9-HpCDF	38.77	1.014	NO	9.5017e5	3.6349e5	200.000	10.2	12.2	1.12	0.137
17	OCDF	41.39	8.889	NO	1.8649e6	8.7402e5	400.000	9.7	12.2	0.868	0.106
18	13C-2,3,7,8-TCDD	26.31	0.776	NO	8.6230e5	7.9605e5	100.000	-2.6	3.19	1.11	0.0354
19	13C-1,2,3,7,8-PeCDD	30.96	0.624	NO	6.4725e5	7.9605e5	100.000	-5.5	6.80	0.859	0.0584
20	13C-1,2,3,4,7,8-HxCDD	34.28	1.267	NO	4.7134e5	6.8899e5	100.000	-1.9	7.67	0.700	0.0537
21	13C-1,2,3,6,7,8-HxCDD	34.39	1.283	NO	5.8685e5	6.8899e5	100.000	2.5	6.74	0.833	0.0581



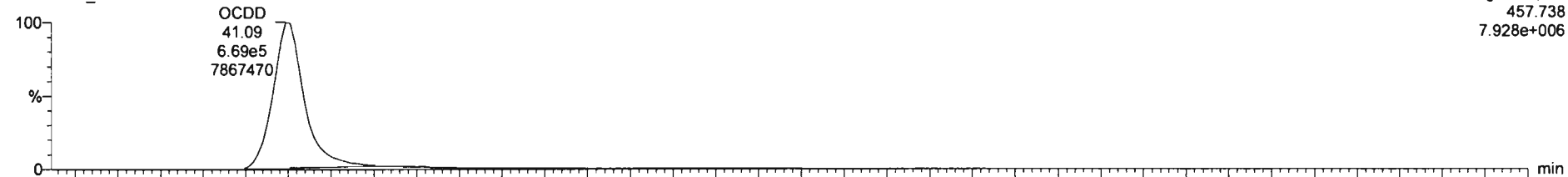
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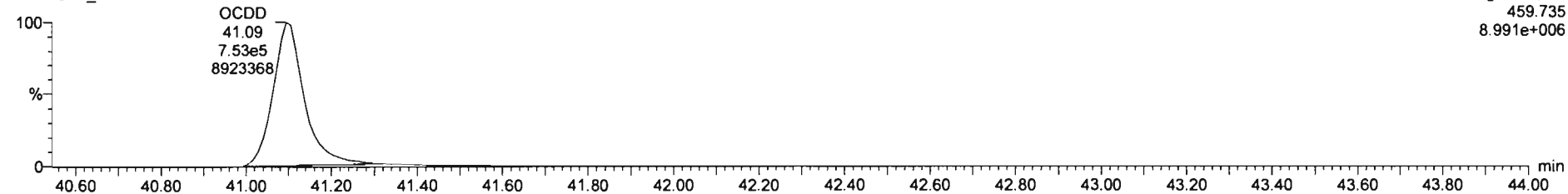
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OCDD

201020R1_4

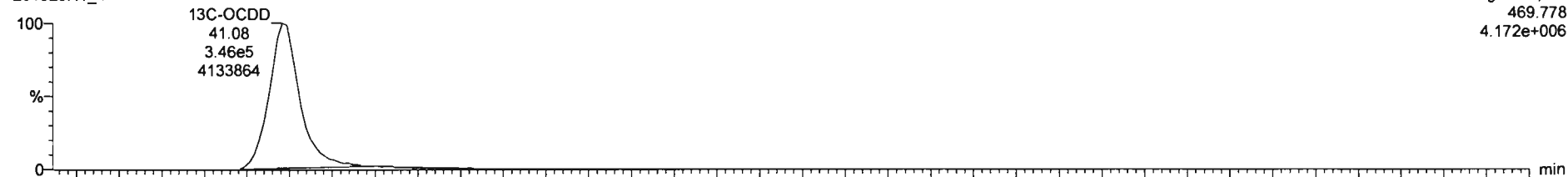


201020R1_4

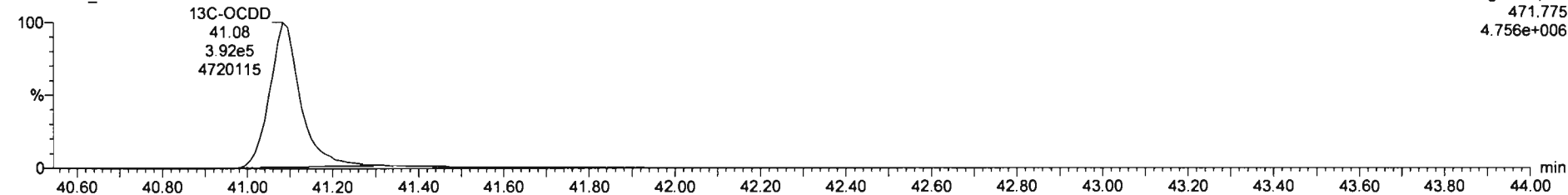


13C-OCDD

201020R1_4



201020R1_4



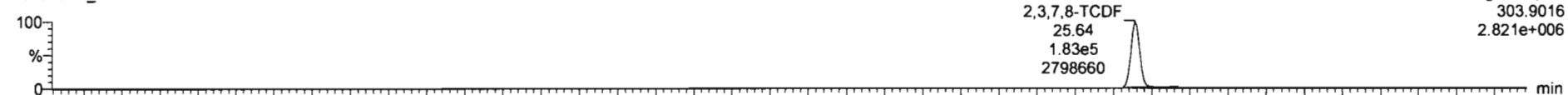
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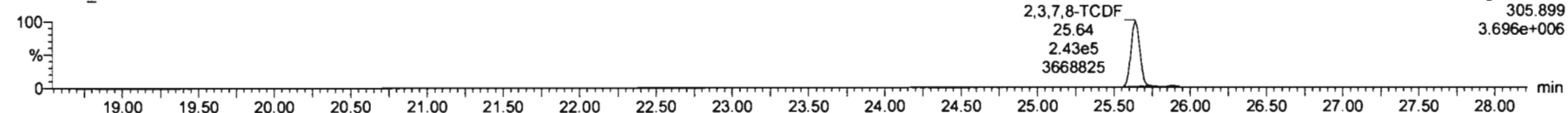
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2,3,7,8-TCDF

201020R1_4

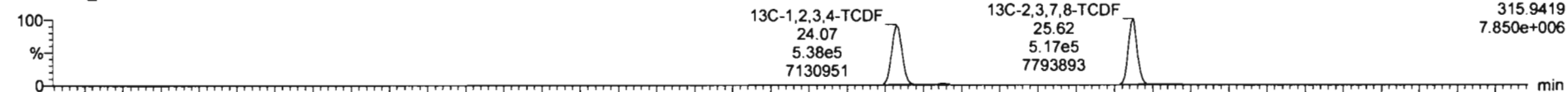


201020R1_4

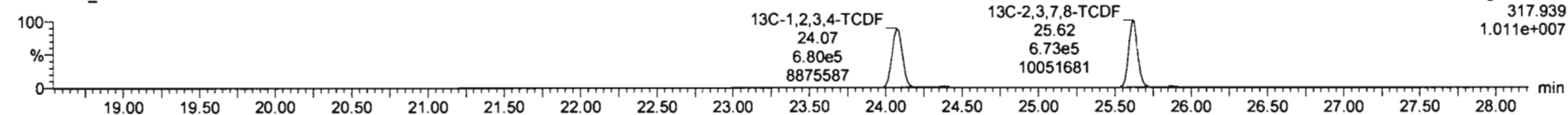


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201020R1_4

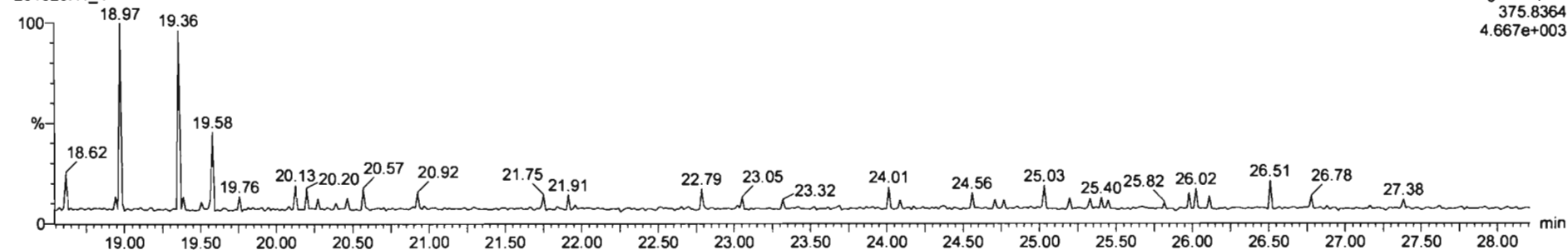


201020R1_4



DPE1

201020R1_4



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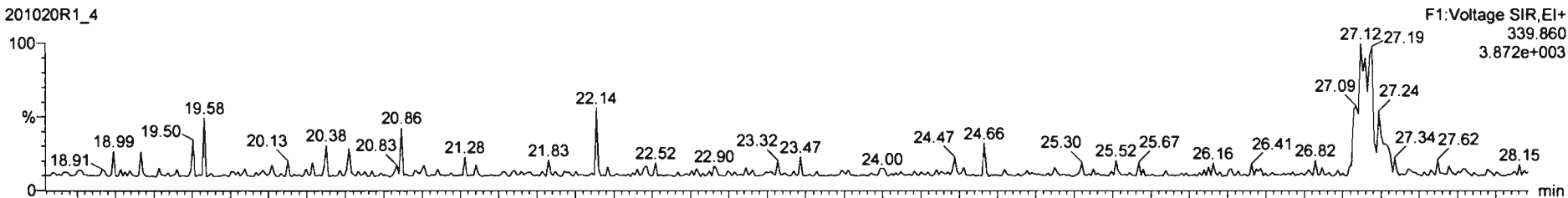
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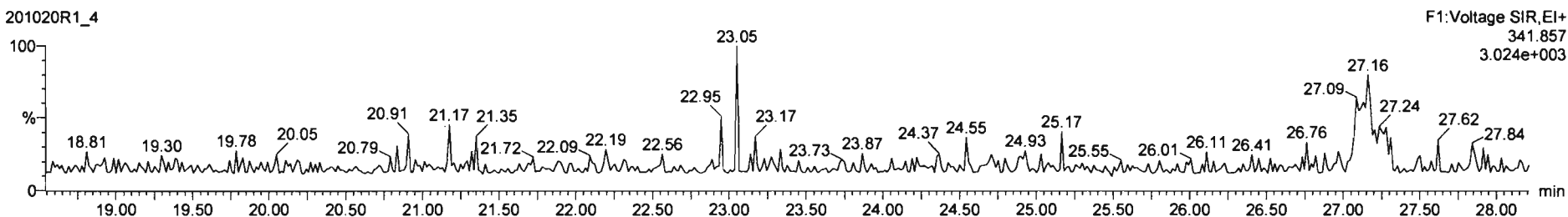
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201020R1_4

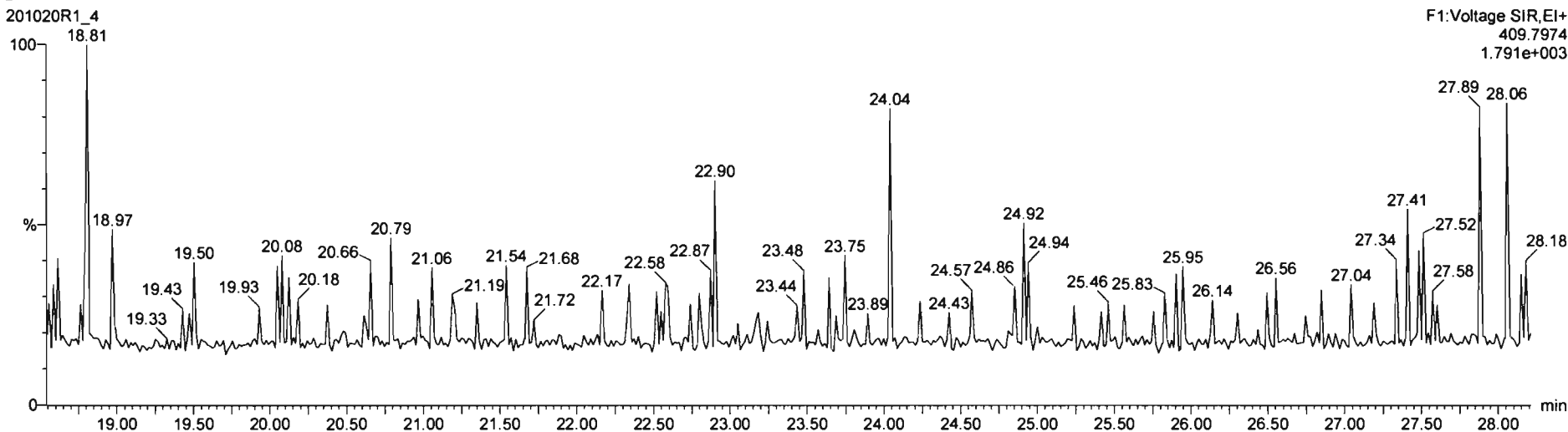


201020R1_4



DPE6

201020R1_4



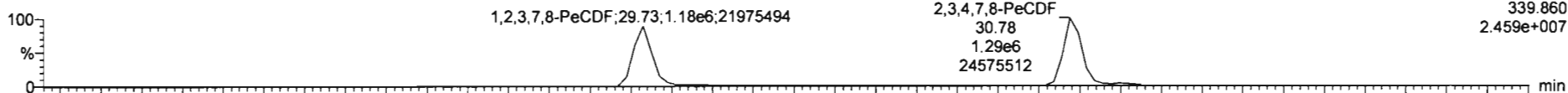
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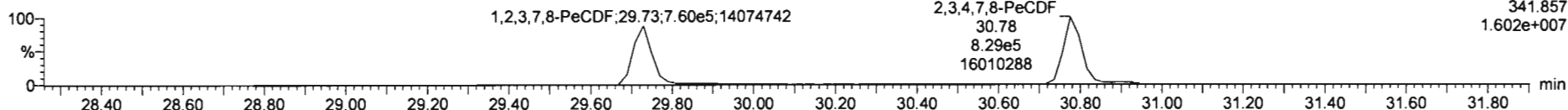
1,2,3,7,8-PeCDF

201020R1_4



F2:Voltage SIR, EI+
339.860
2.459e+007

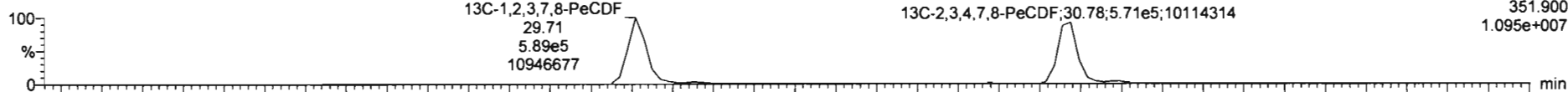
201020R1_4



F2:Voltage SIR, EI+
341.857
1.602e+007

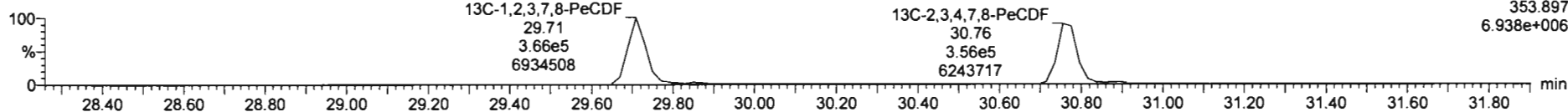
13C-1,2,3,7,8-PeCDF

201020R1_4



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1.095e+007

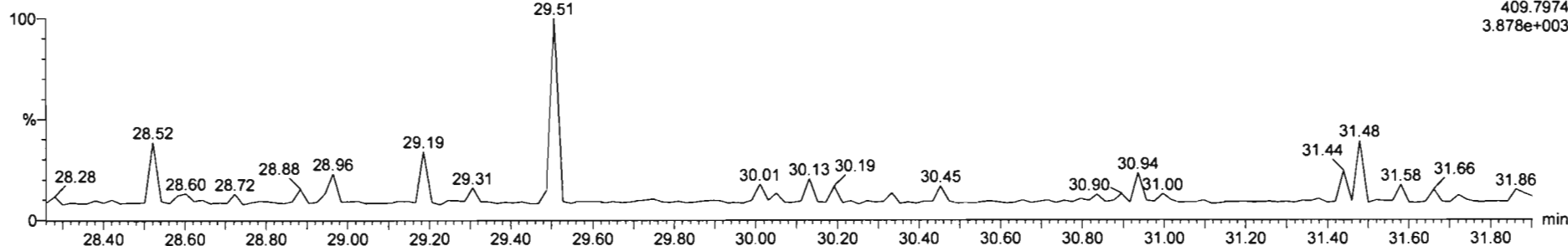
201020R1_4



F2:Voltage SIR, EI+
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6.938e+006

DPE2

201020R1_4



F2:Voltage SIR, EI+
409.7974
3.878e+003

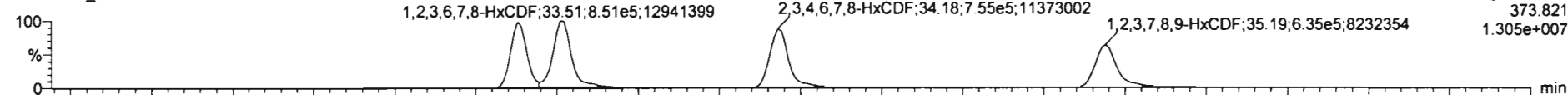
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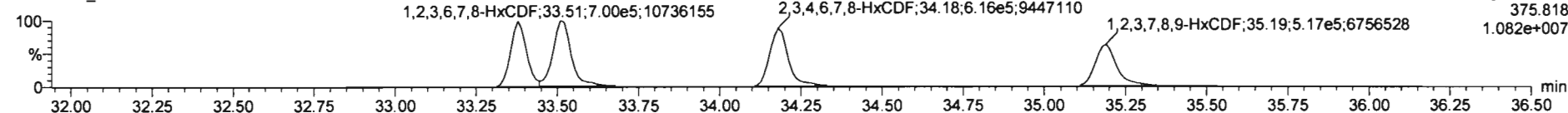
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1,2,3,4,7,8-HxCDF

201020R1_4

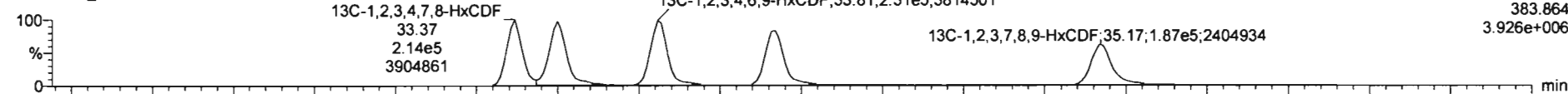


201020R1_4

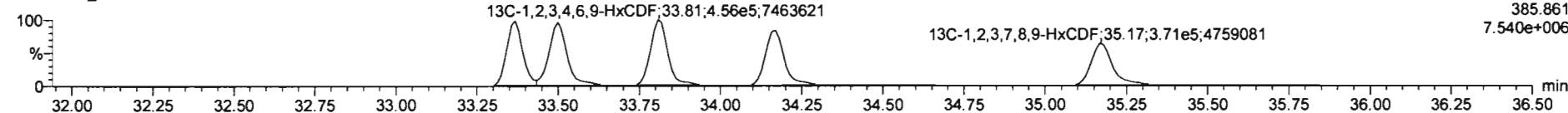


13C-1,2,3,4,7,8-HxCDF

201020R1_4

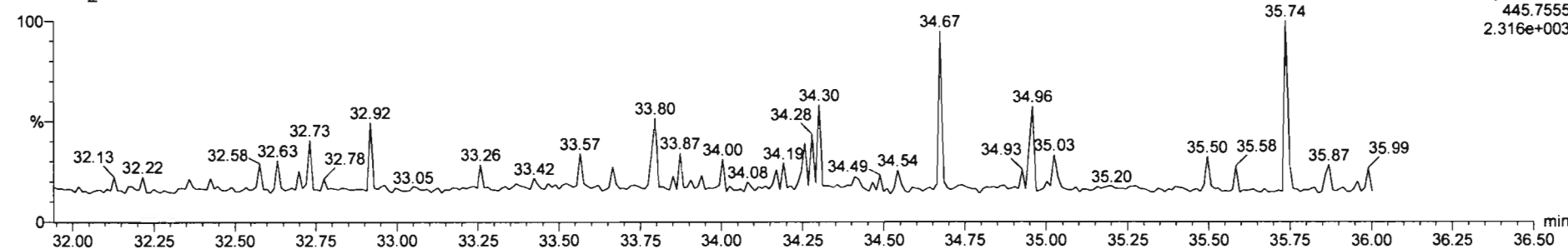


201020R1_4



DPE3

201020R1_4



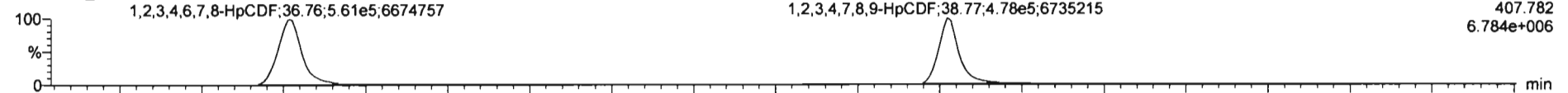
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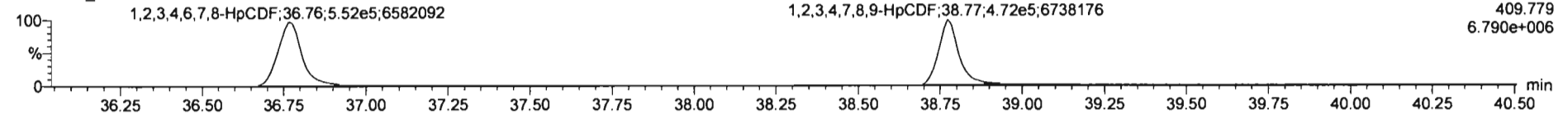
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1,2,3,4,6,7,8-HpCDF

201020R1_4

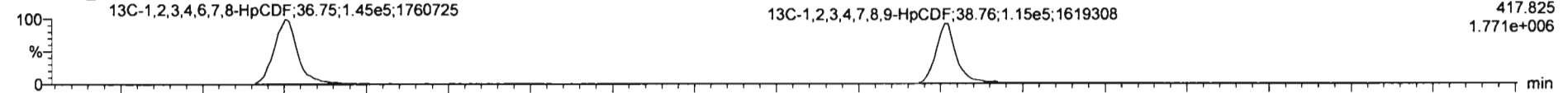


201020R1_4

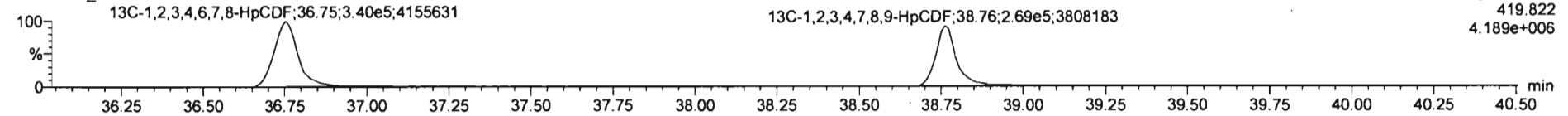


13C-1,2,3,4,6,7,8-HpCDF

201020R1_4

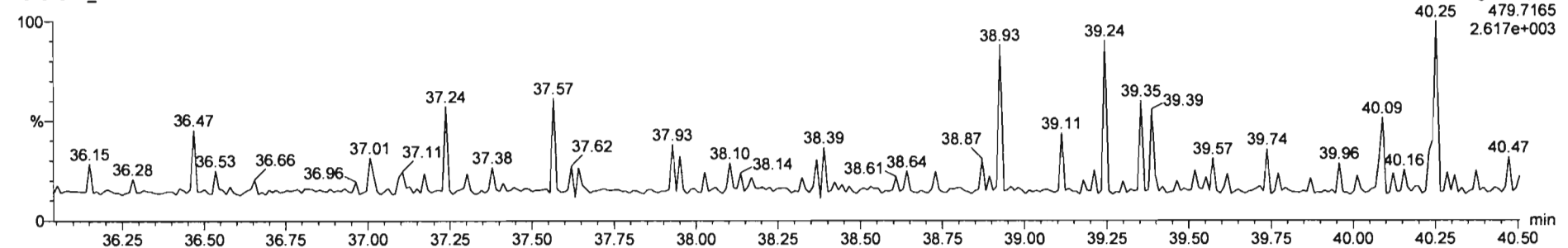


201020R1_4



DPE4

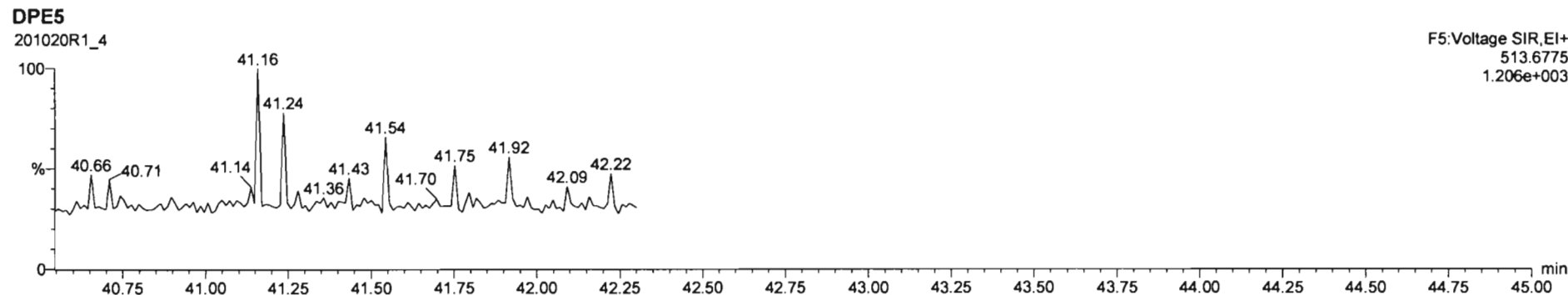
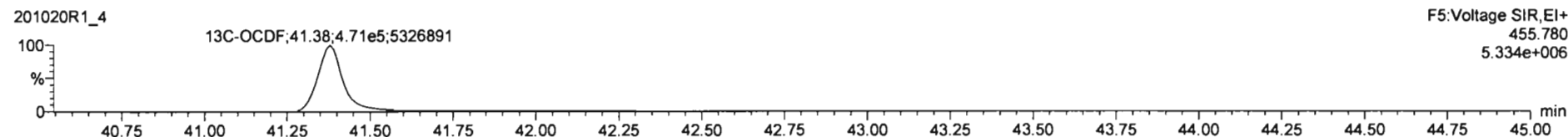
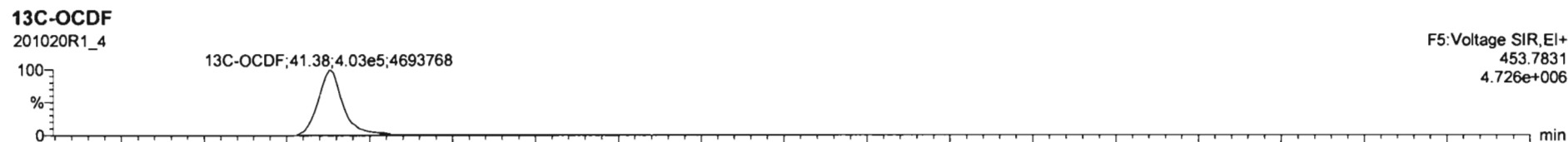
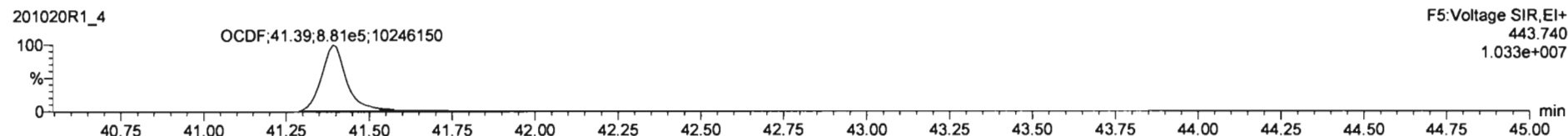
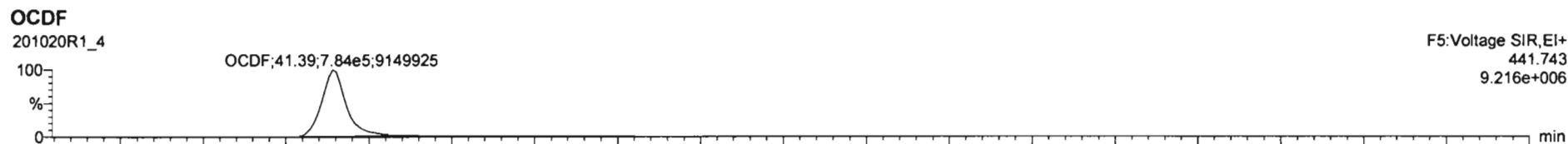
201020R1_4



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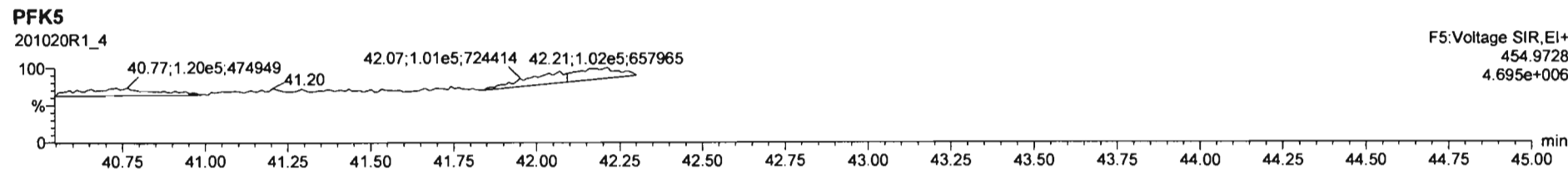
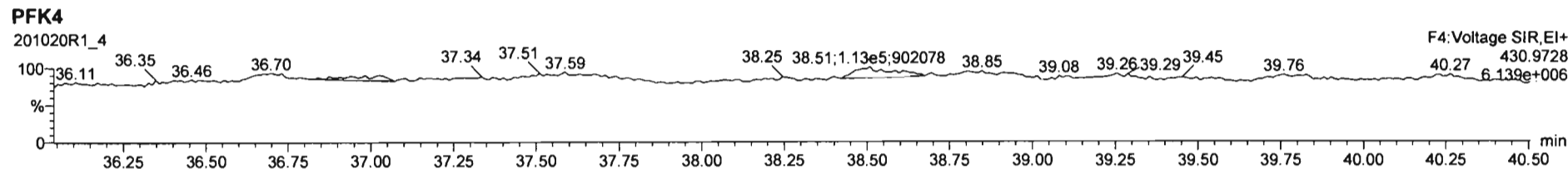
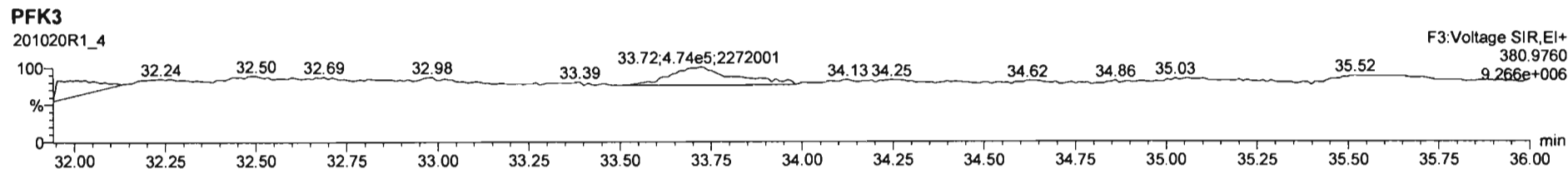
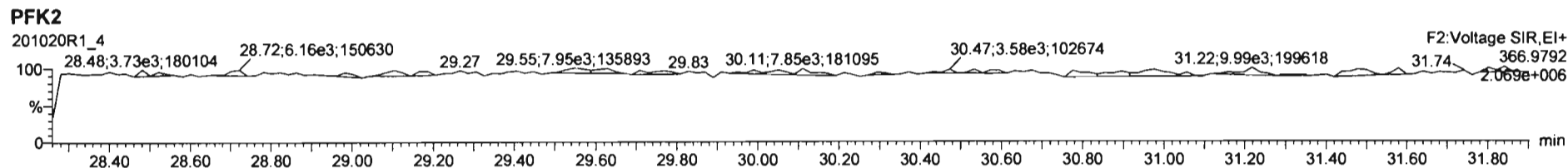
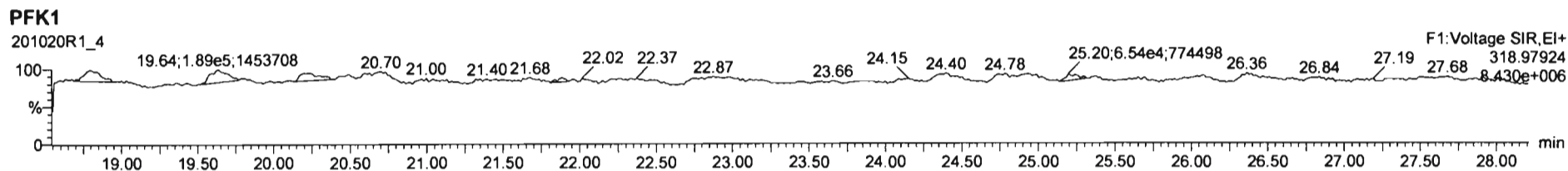


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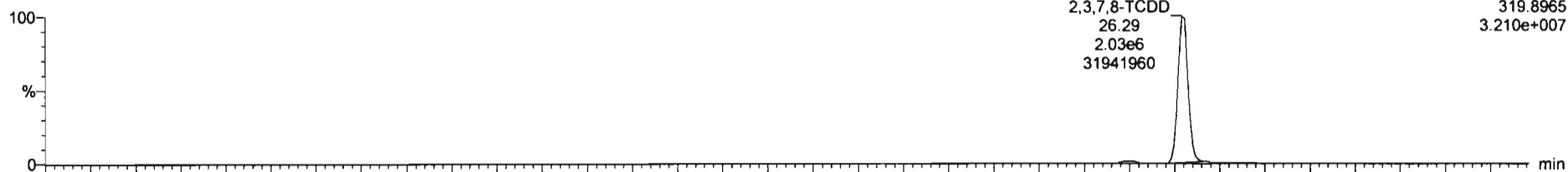
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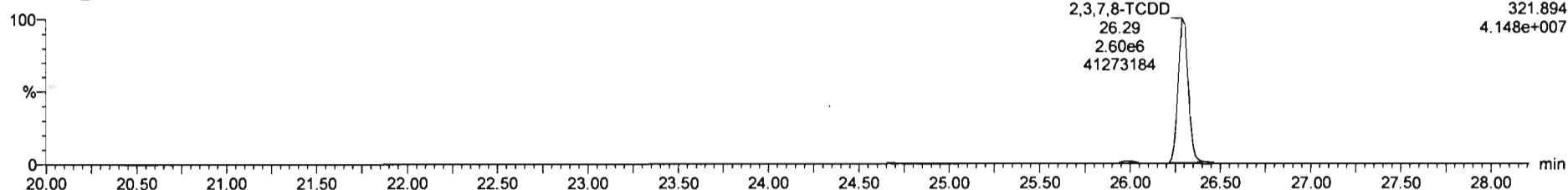
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2,3,7,8-TCDD

201020R1_5

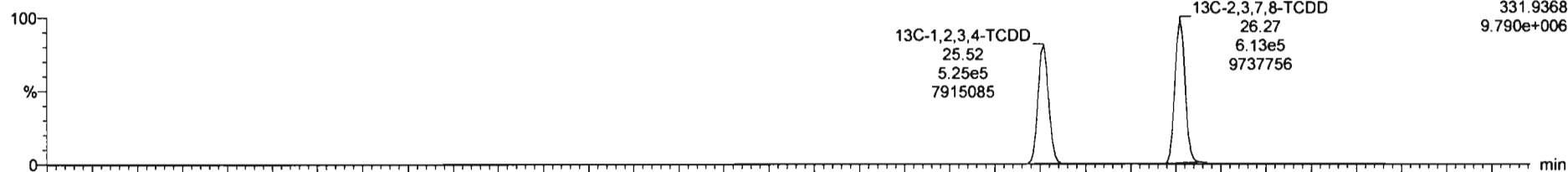


201020R1_5

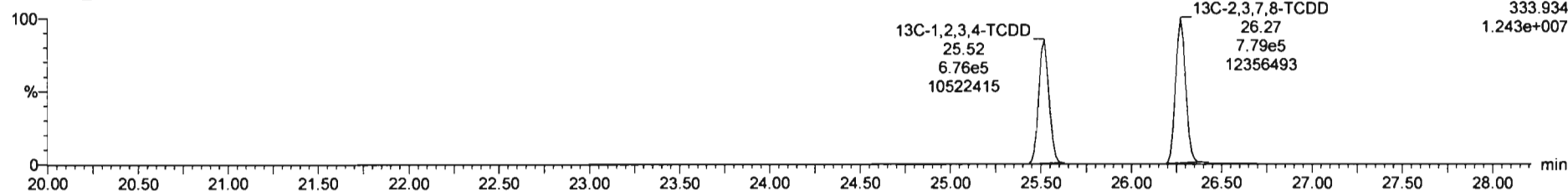


¹³C-2,3,7,8-TCDD

201020R1_5



201020R1_5



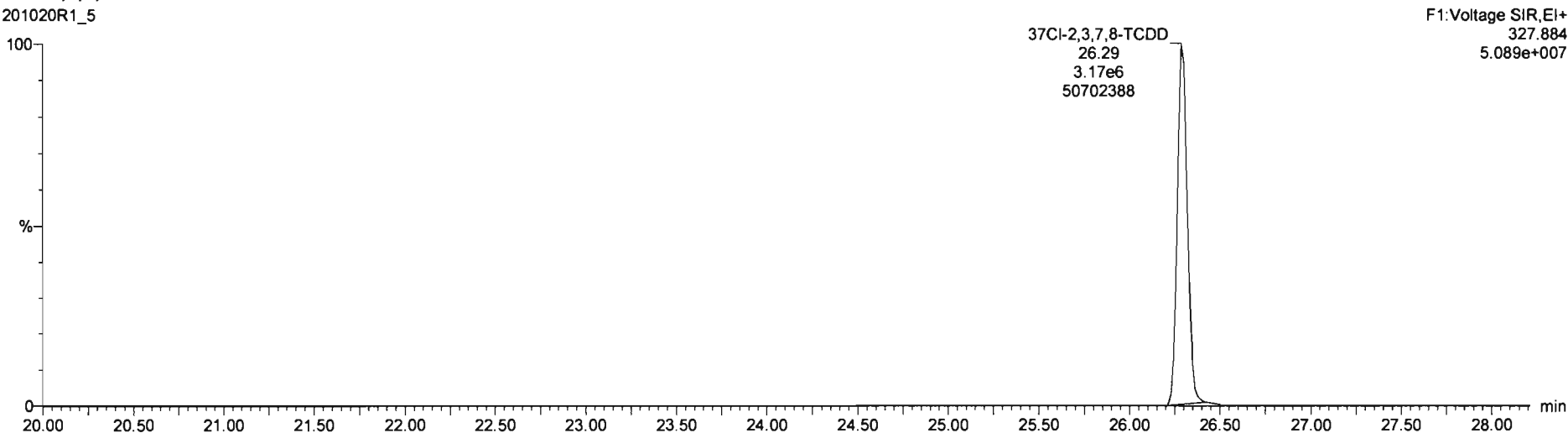
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37Cl-2,3,7,8-TCDD

201020R1_5

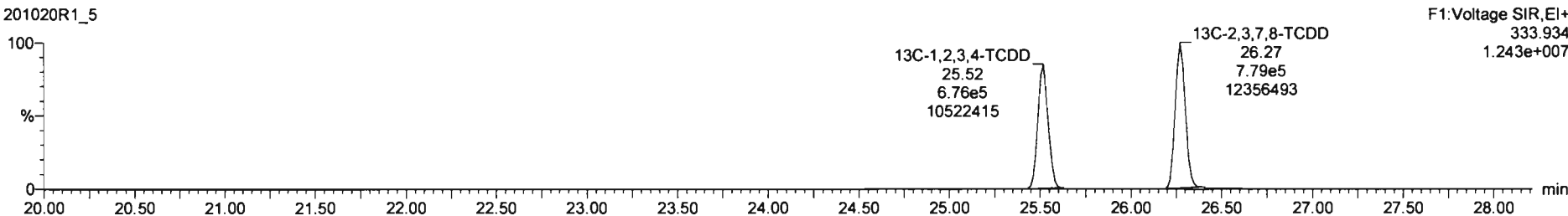


13C-1,2,3,4-TCDD

201020R1_5



201020R1_5



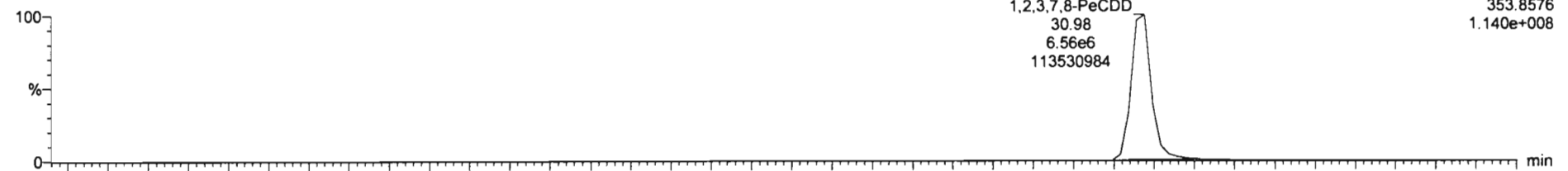
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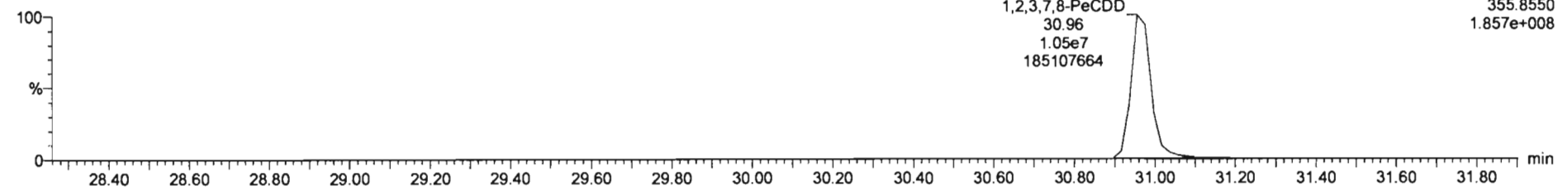
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1,2,3,7,8-PeCDD

201020R1_5

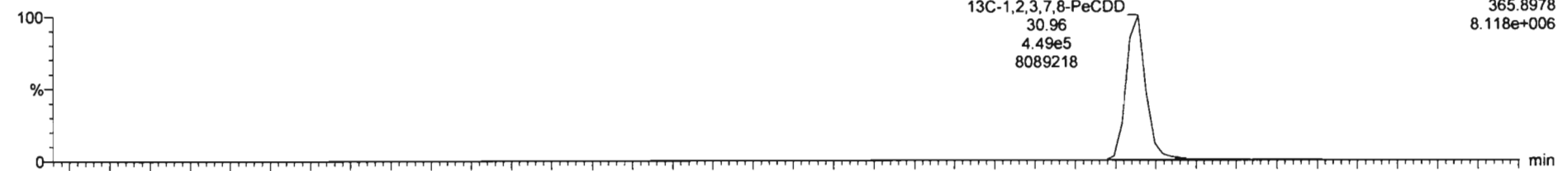


201020R1_5

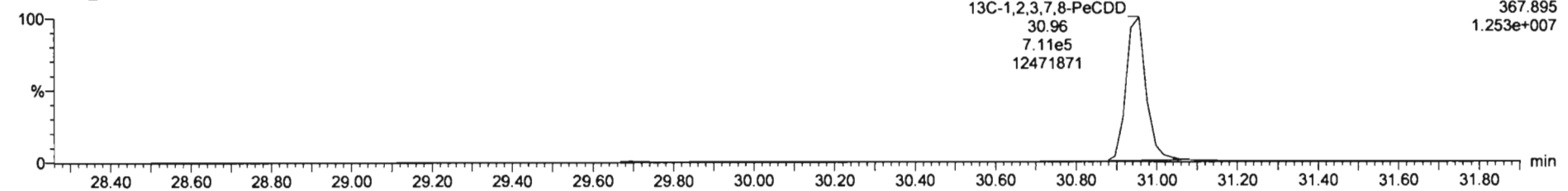


13C-1,2,3,7,8-PeCDD

201020R1_5



201020R1_5



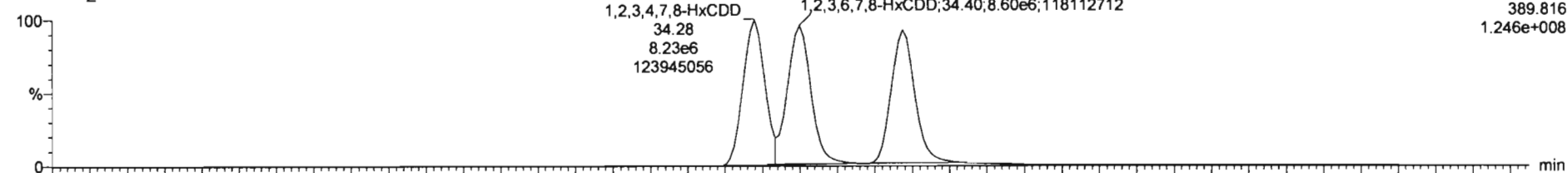
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Last Altered: Tuesday, October 20, 2020 15:17:40 Pacific Daylight Time
Printed: Tuesday, October 20, 2020 15:18:47 Pacific Daylight Time

Name: 201020R1_5, Date: 20-Oct-2020, Time: 12:16:56, ID: ST201020R1_5 1613 CS5 20F1107, Description: 1613 CS5 20F1107

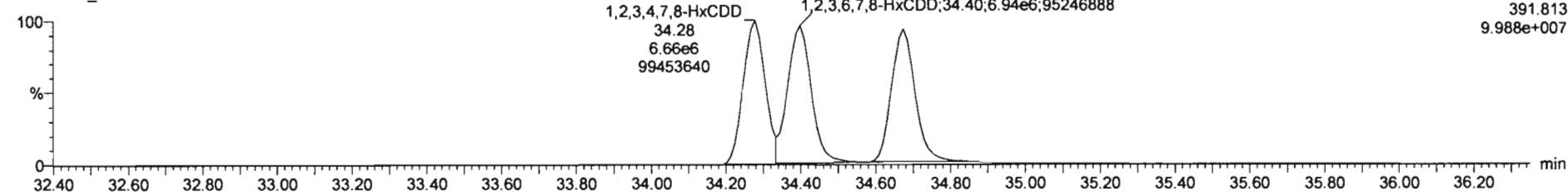
1,2,3,4,7,8-HxCDD

201020R1_5



F3:Voltage SIR,EI+
389.816
1.246e+008

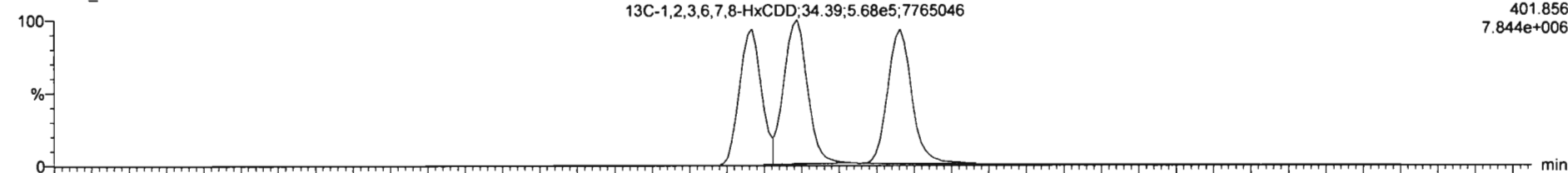
201020R1_5



F3:Voltage SIR,EI+
391.813
9.988e+007

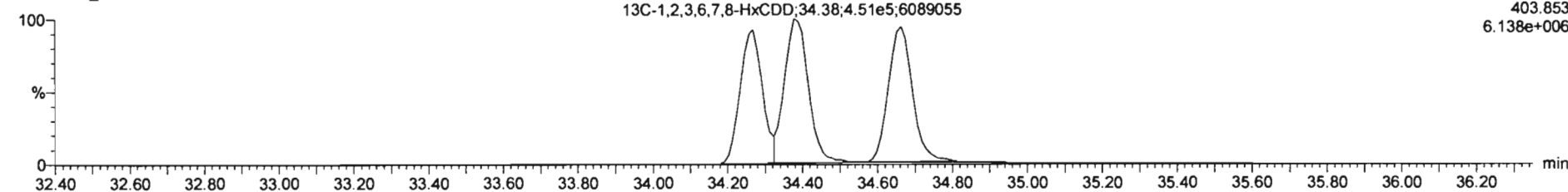
13C-1,2,3,4,7,8-HxCDD

201020R1_5

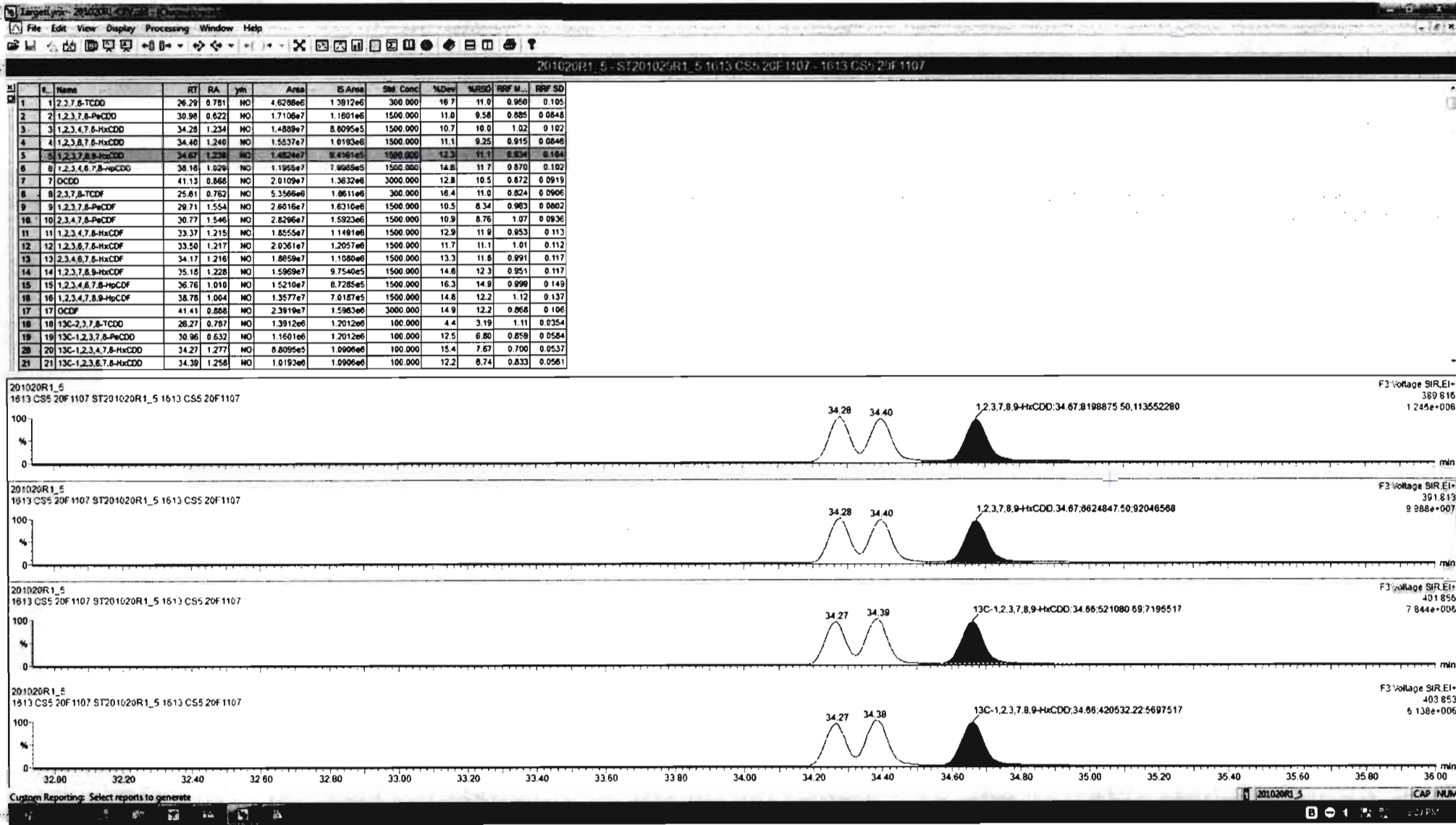


F3:Voltage SIR,EI+
401.856
7.844e+006

201020R1_5



F3:Voltage SIR,EI+
403.853
6.138e+006



Dataset: Untitled

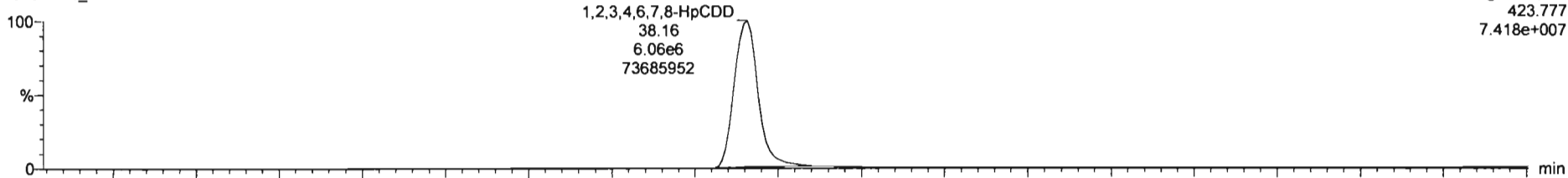
Last Altered: Tuesday, October 20, 2020 15:17:40 Pacific Daylight Time

Printed: Tuesday, October 20, 2020 15:18:47 Pacific Daylight Time

Name: 201020R1_5, Date: 20-Oct-2020, Time: 12:16:56, ID: ST201020R1_5 1613 CS5 20F1107, Description: 1613 CS5 20F1107

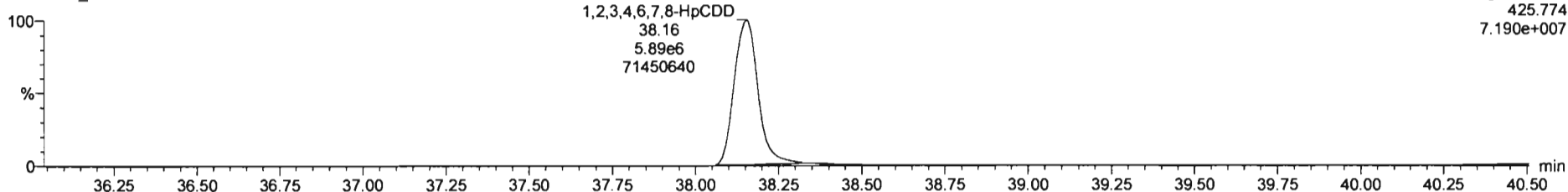
1,2,3,4,6,7,8-HpCDD

201020R1_5



F4: Voltage SIR, EI+
423.777
7.418e+007

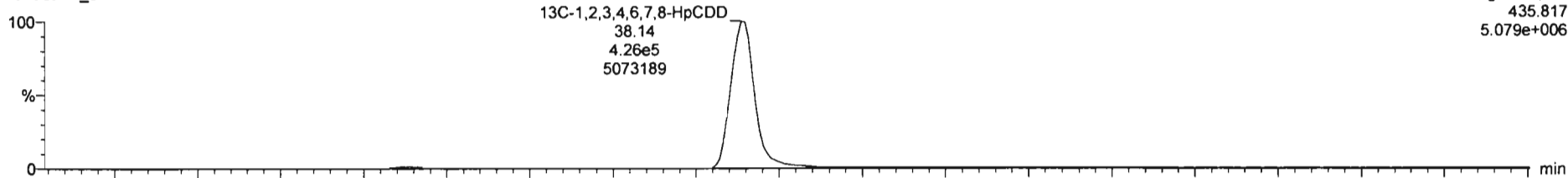
201020R1_5



F4: Voltage SIR, EI+
425.774
7.190e+007

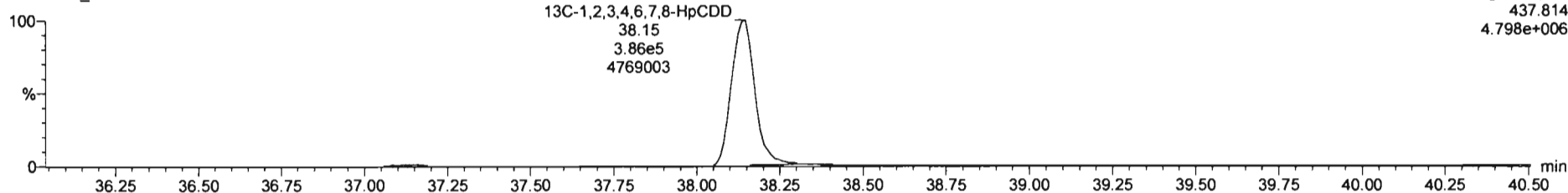
13C-1,2,3,4,6,7,8-HpCDD

201020R1_5



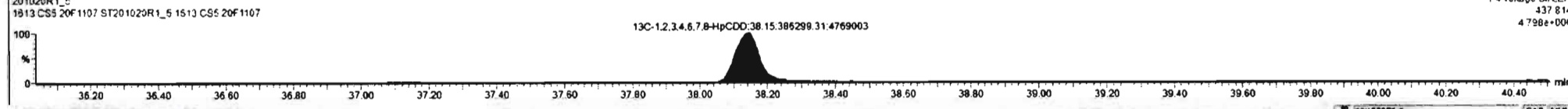
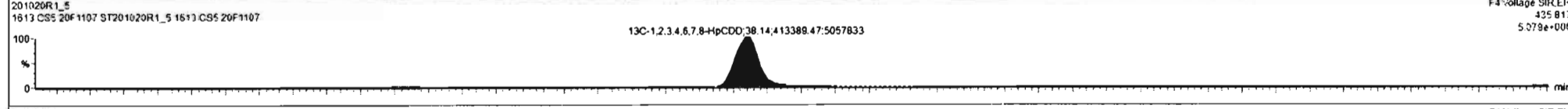
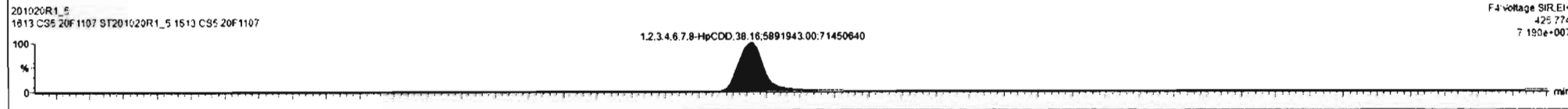
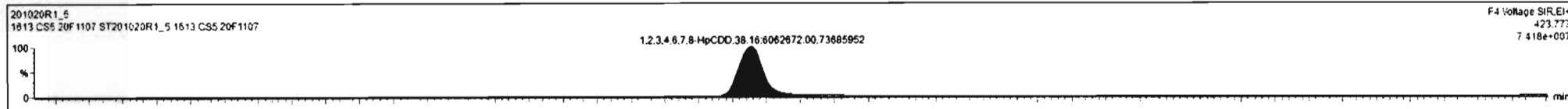
F4: Voltage SIR, EI+
435.817
5.079e+006

201020R1_5



F4: Voltage SIR, EI+
437.814
4.798e+006

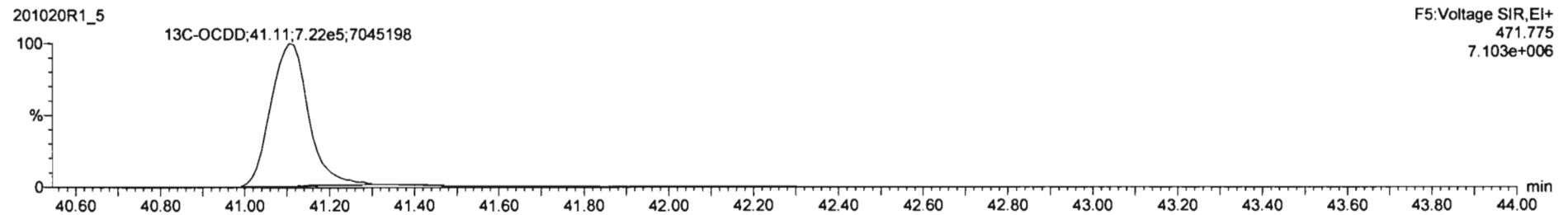
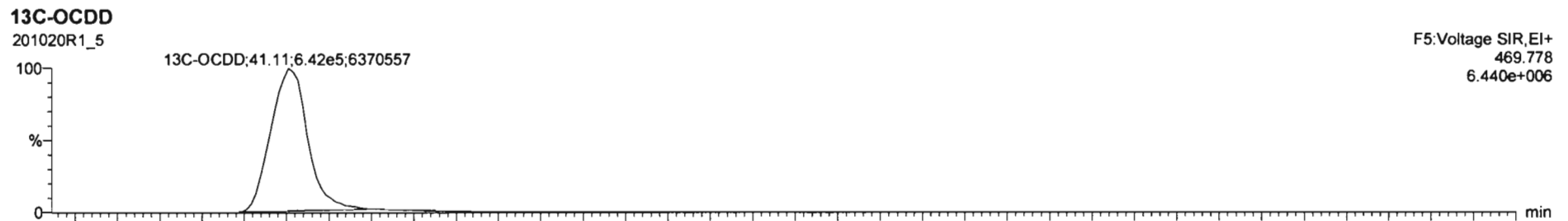
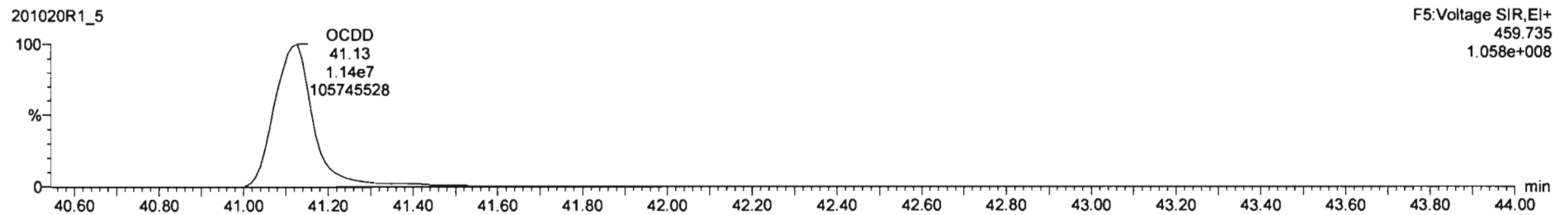
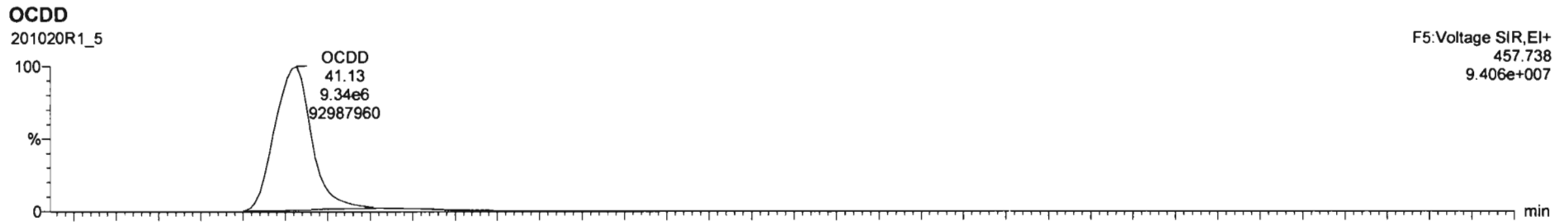
#	Name	RT	RA	y/n	Area	IS Area	Std. Conc	%Dev	%RSD	RRF W.	RRF SD
1	1,2,3,7,8-TCDD	26.29	0.781	NO	4.6288e6	1.3912e6	300.000	16.7	11.0	0.950	0.105
2	1,2,3,7,8-PeCDD	30.98	0.622	NO	1.7108e7	1.1801e6	1500.000	11.0	9.58	0.885	0.0848
3	1,2,3,4,7,8-HxCDD	34.28	1.234	NO	1.4888e7	8.8095e5	1500.000	10.7	10.0	1.02	0.102
4	1,2,3,6,7,8-HxCDD	34.40	1.240	NO	1.5537e7	1.0193e6	1500.000	11.1	9.25	0.915	0.0846
5	1,2,3,7,8,9-HxCDD	34.67	1.238	NO	1.4824e7	9.4161e5	1500.000	12.3	11.1	0.934	0.104
6	1,2,3,4,6,7,8-HpCDD	38.18	1.029	NO	1.1925e7	7.8998e5	1500.000	14.8	11.7	0.870	0.102
7	OCDD	41.13	0.888	NO	2.0109e7	1.3832e6	3000.000	12.8	10.5	0.872	0.0919
8	2,3,7,8-TCDF	25.61	0.762	NO	5.3566e6	1.8611e6	300.000	16.4	11.0	0.824	0.0906
9	1,2,3,7,8-PeCDF	29.71	1.554	NO	2.6018e7	1.8310e6	1500.000	10.5	8.34	0.963	0.0802
10	2,3,4,7,8-PeCDF	30.77	1.546	NO	2.8206e7	1.5923e6	1500.000	10.9	8.76	1.07	0.0936
11	1,2,3,4,7,8-HxCDF	33.37	1.215	NO	1.8555e7	1.1491e6	1500.000	12.9	11.9	0.953	0.113
12	1,2,3,6,7,8-HxCDF	33.50	1.217	NO	2.0361e7	1.2057e6	1500.000	11.7	11.1	1.01	0.112
13	2,3,4,6,7,8-HxCDF	34.17	1.216	NO	1.8659e7	1.1080e6	1500.000	13.3	11.8	0.991	0.117
14	1,2,3,7,8,9-HxCDF	35.18	1.228	NO	1.5969e7	9.7540e5	1500.000	14.8	12.3	0.951	0.117
15	1,2,3,4,6,7,8-HpCDF	36.76	1.010	NO	1.5210e7	8.7285e5	1500.000	16.3	14.9	0.998	0.149
16	1,2,3,4,7,8,9-HpCDF	38.78	1.004	NO	1.3577e7	7.0187e5	1500.000	14.8	12.2	1.12	0.137
17	OCDF	41.41	0.888	NO	2.3919e7	1.5983e6	3000.000	14.9	12.2	0.868	0.106
18	13C-2,3,7,8-TCDD	26.27	0.787	NO	1.3912e6	1.2012e6	100.000	4.4	3.19	1.11	0.0354
19	13C-1,2,3,7,8-PeCDD	30.96	0.632	NO	1.1601e6	1.2012e6	100.000	12.5	6.80	0.859	0.0584
20	13C-1,2,3,4,7,8-HxCDD	34.27	1.277	NO	8.8095e5	1.0908e6	100.000	15.4	7.67	0.700	0.0537
21	13C-1,2,3,6,7,8-HxCDD	34.39	1.258	NO	1.0193e6	1.0908e6	100.000	12.2	6.74	0.833	0.0561

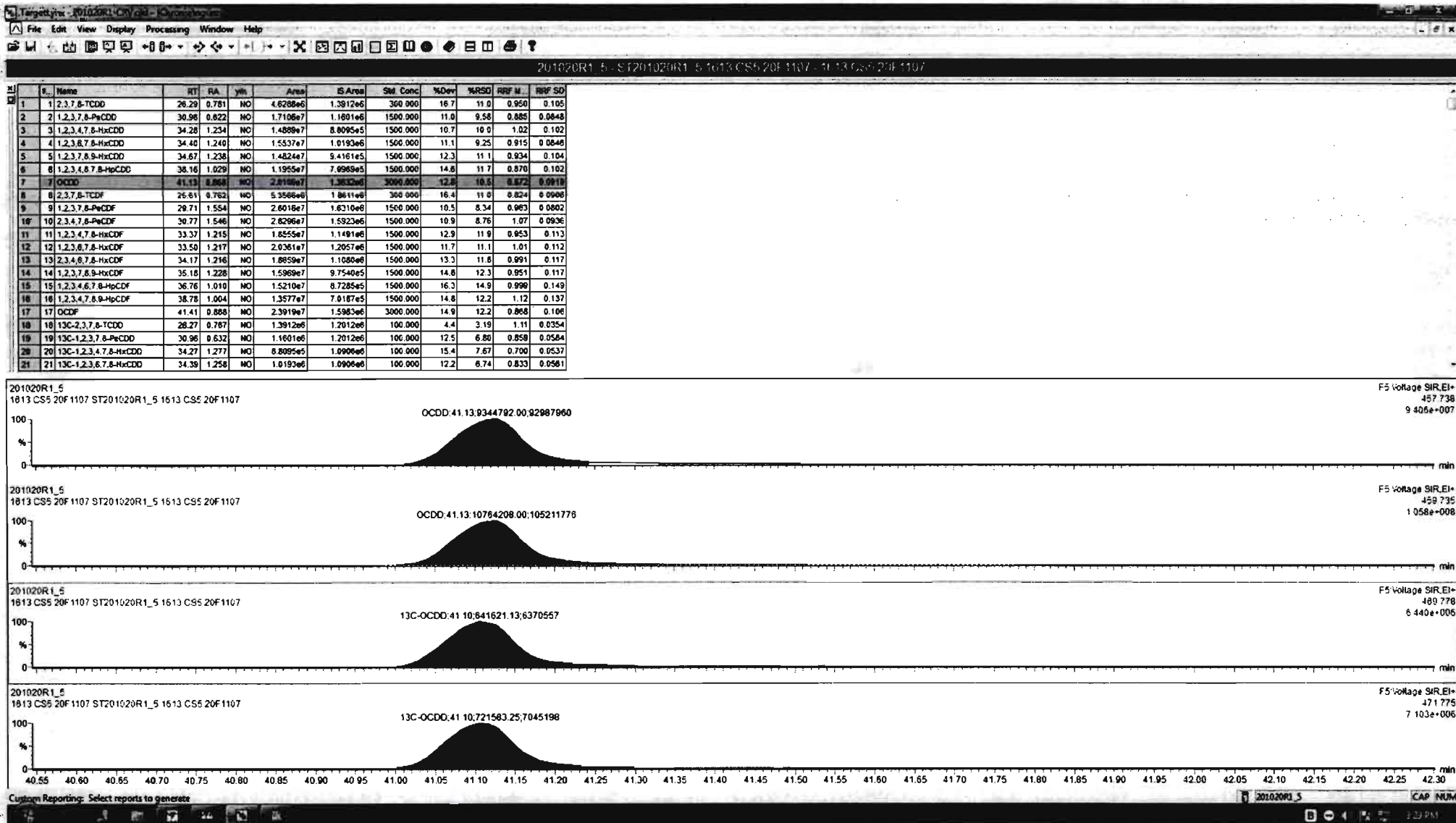


Dataset: Untitled

Last Altered: Tuesday, October 20, 2020 15:17:40 Pacific Daylight Time
Printed: Tuesday, October 20, 2020 15:18:47 Pacific Daylight Time

Name: 201020R1_5, Date: 20-Oct-2020, Time: 12:16:56, ID: ST201020R1_5 1613 CS5 20F1107, Description: 1613 CS5 20F1107





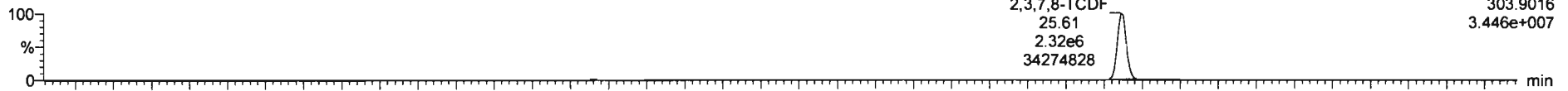
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Printed: Tuesday, October 20, 2020 15:18:47 Pacific Daylight Time

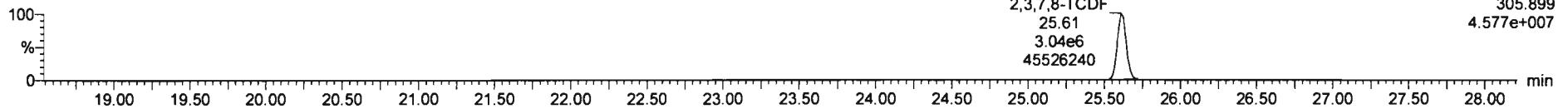
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2,3,7,8-TCDF

201020R1_5

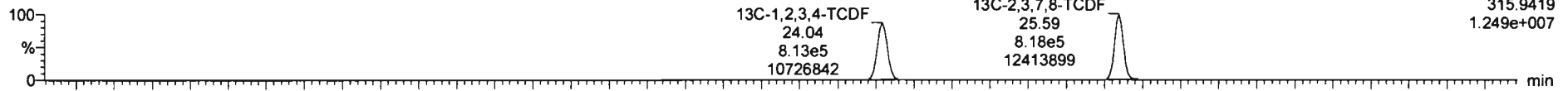


201020R1_5

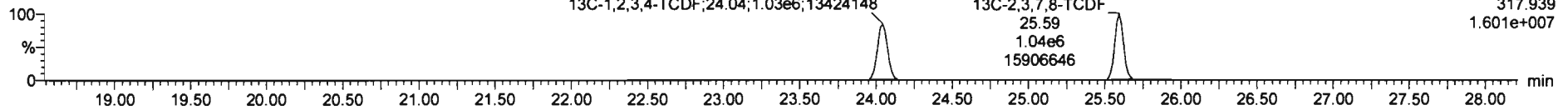


13C-2,3,7,8-TCDF

201020R1_5

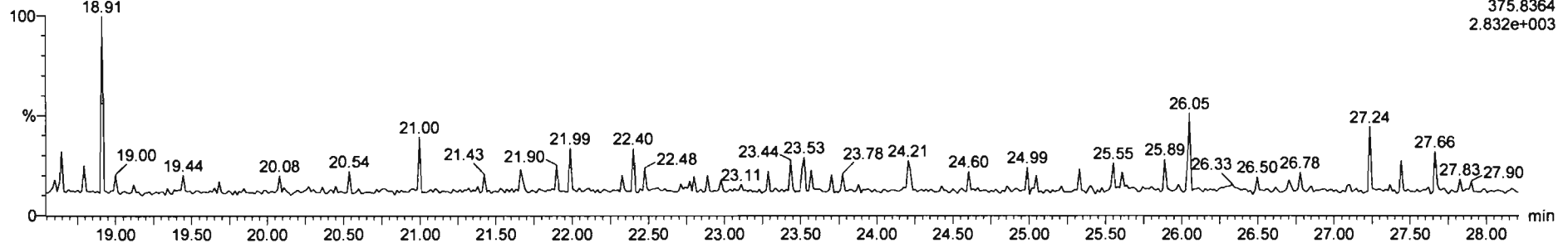


201020R1_5



DPE1

201020R1_5



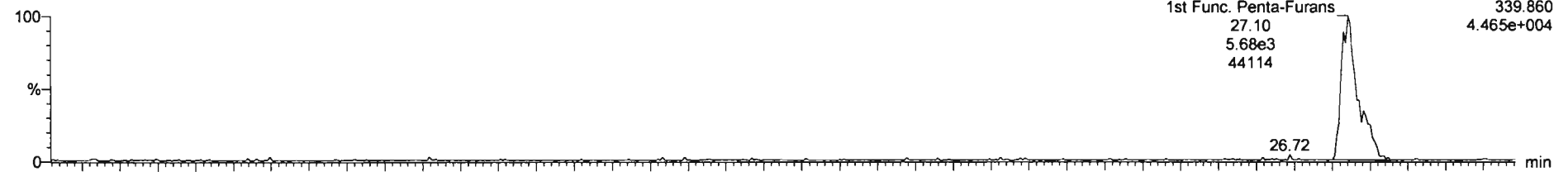
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Printed: Tuesday, October 20, 2020 15:18:47 Pacific Daylight Time

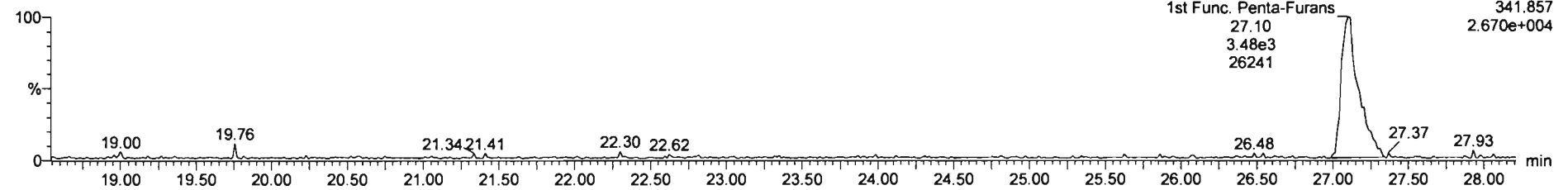
Name: 201020R1_5, Date: 20-Oct-2020, Time: 12:16:56, ID: ST201020R1_5 1613 CS5 20F1107, Description: 1613 CS5 20F1107

1st Func. Penta-Furans

201020R1_5

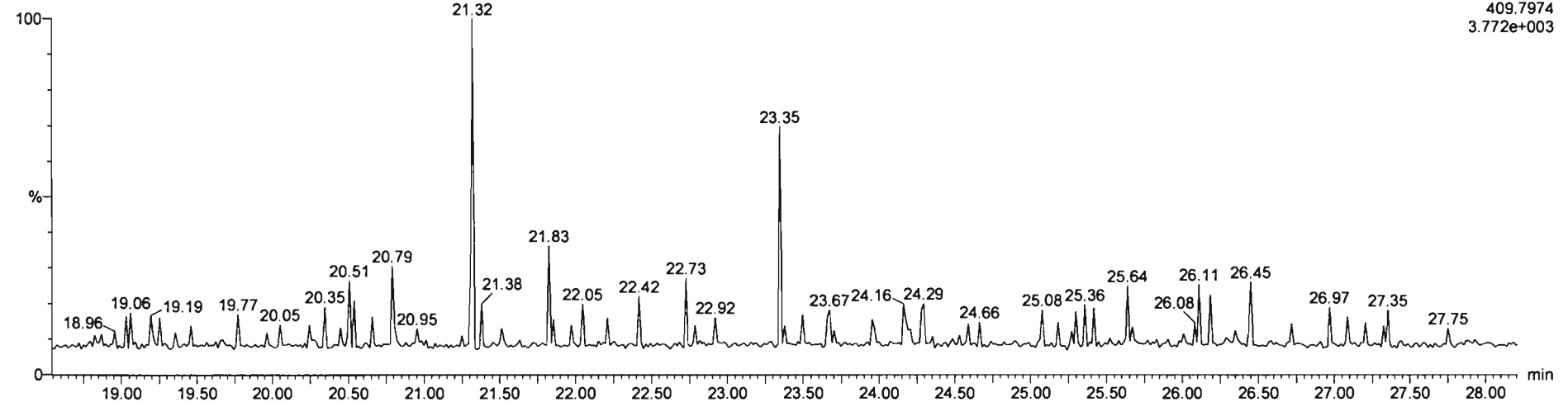


201020R1_5



DPE6

201020R1_5



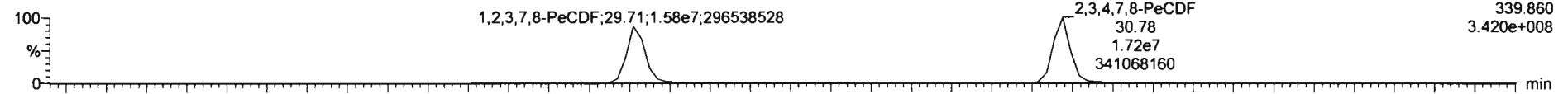
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Printed: Tuesday, October 20, 2020 15:18:47 Pacific Daylight Time

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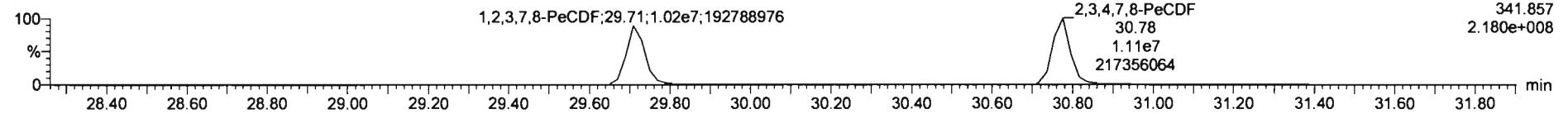
1,2,3,7,8-PeCDF

201020R1_5



F2:Voltage SIR,EI+
339.860
3.420e+008

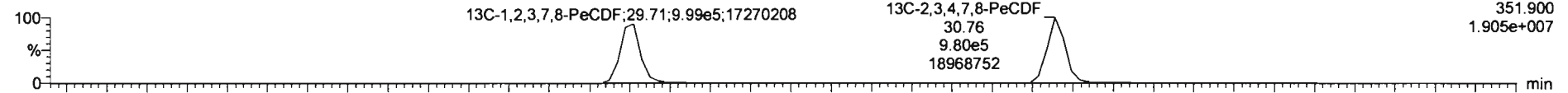
201020R1_5



F2:Voltage SIR,EI+
341.857
2.180e+008

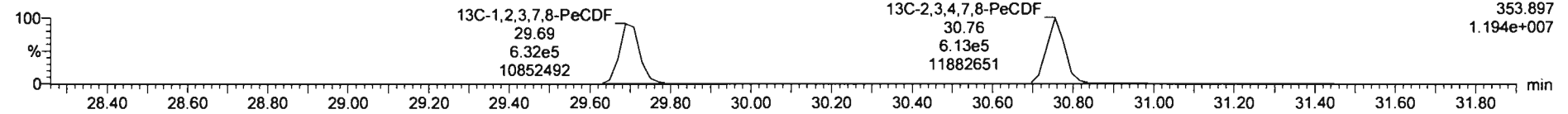
13C-1,2,3,7,8-PeCDF

201020R1_5



F2:Voltage SIR,EI+
351.900
1.905e+007

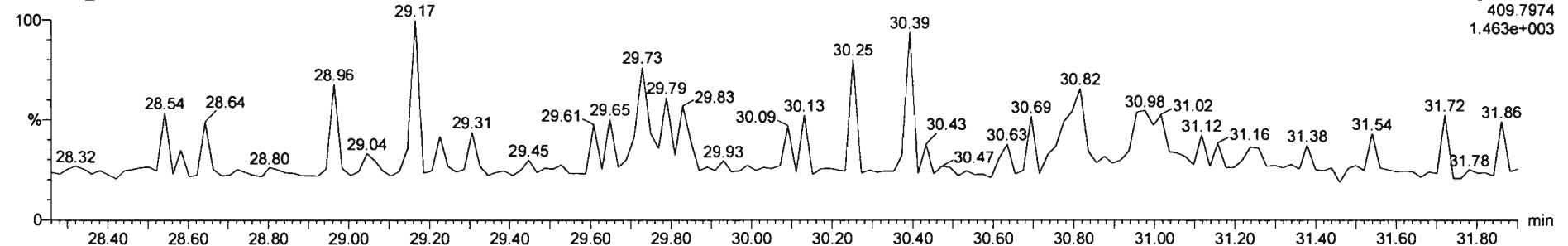
201020R1_5



F2:Voltage SIR,EI+
353.897
1.194e+007

DPE2

201020R1_5



F2:Voltage SIR,EI+
409.7974
1.463e+003

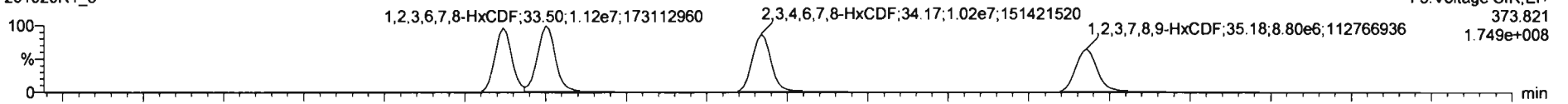
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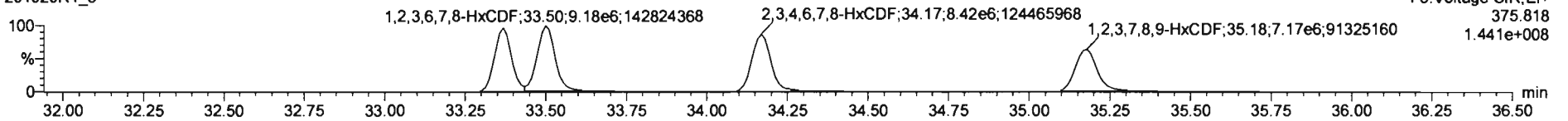
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1,2,3,4,7,8-HxCDF

201020R1_5

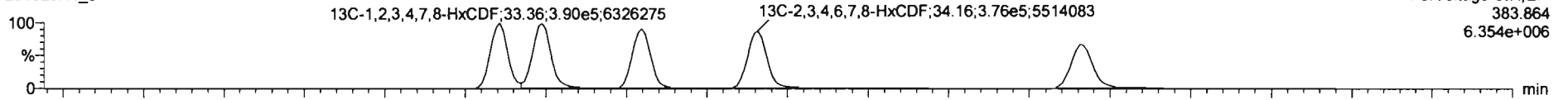


201020R1_5

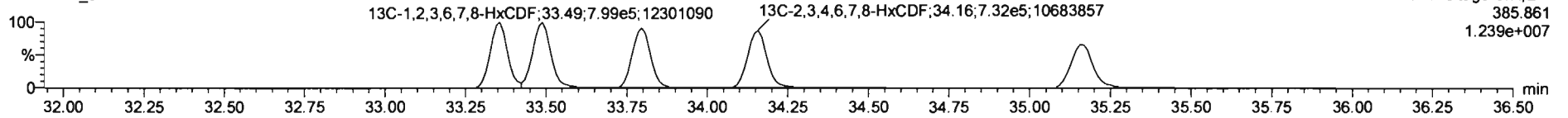


13C-1,2,3,4,7,8-HxCDF

201020R1_5

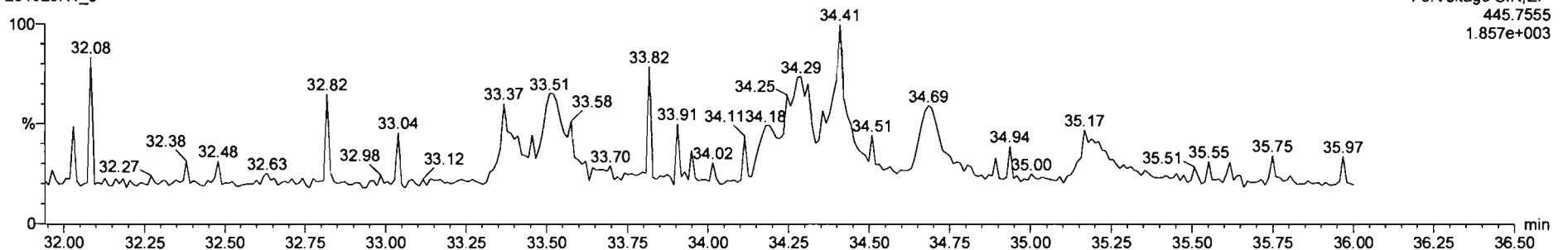


201020R1_5



DPE3

201020R1_5



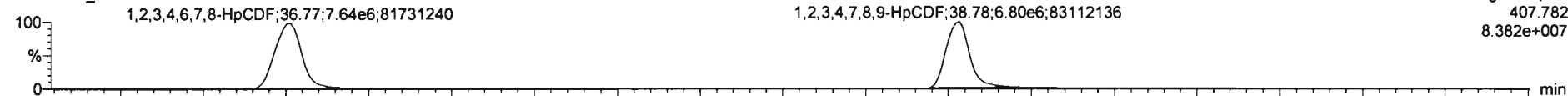
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Printed: Tuesday, October 20, 2020 15:18:47 Pacific Daylight Time

Name: 201020R1_5, Date: 20-Oct-2020, Time: 12:16:56, ID: ST201020R1_5 1613 CS5 20F1107, Description: 1613 CS5 20F1107

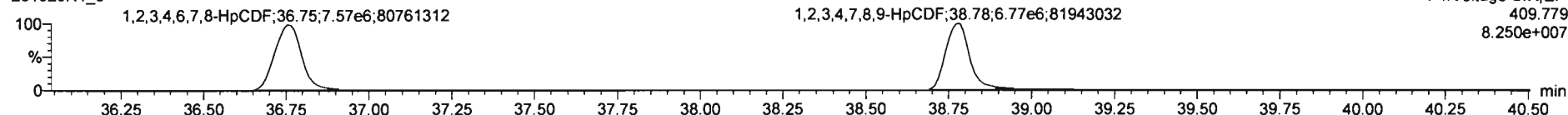
1,2,3,4,6,7,8-HpCDF

201020R1_5



F4:Voltage SIR,EI+
407.782
8.382e+007

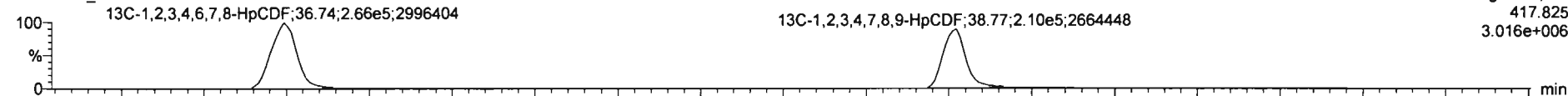
201020R1_5



F4:Voltage SIR,EI+
409.779
8.250e+007

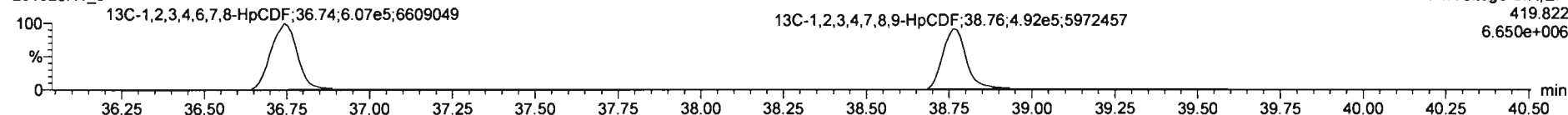
13C-1,2,3,4,6,7,8-HpCDF

201020R1_5



F4:Voltage SIR,EI+
417.825
3.016e+006

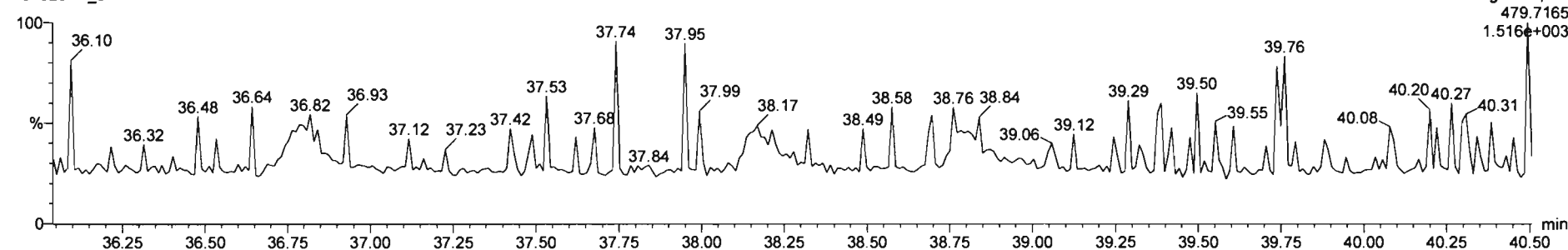
201020R1_5



F4:Voltage SIR,EI+
419.822
6.650e+006

DPE4

201020R1_5



F4:Voltage SIR,EI+
479.7165
1.516e+003

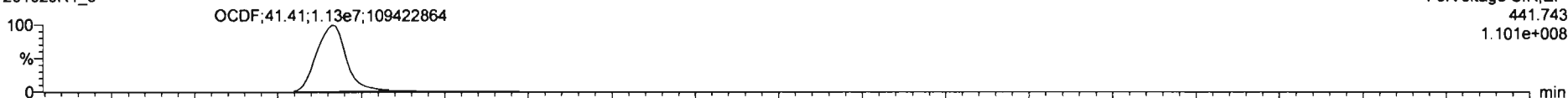
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Printed: Tuesday, October 20, 2020 15:18:47 Pacific Daylight Time

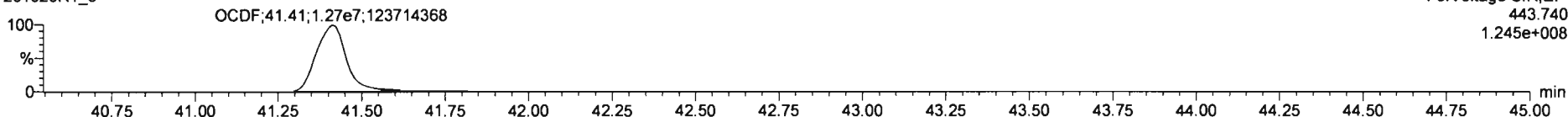
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OCDF

201020R1_5

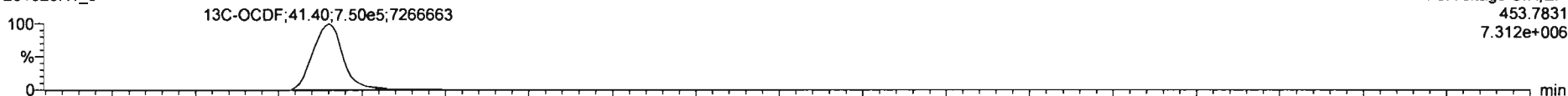


201020R1_5

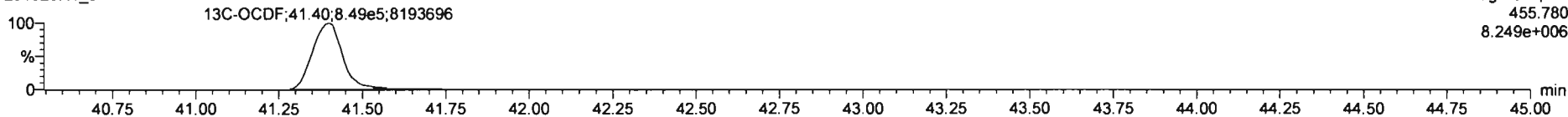


13C-OCDF

201020R1_5

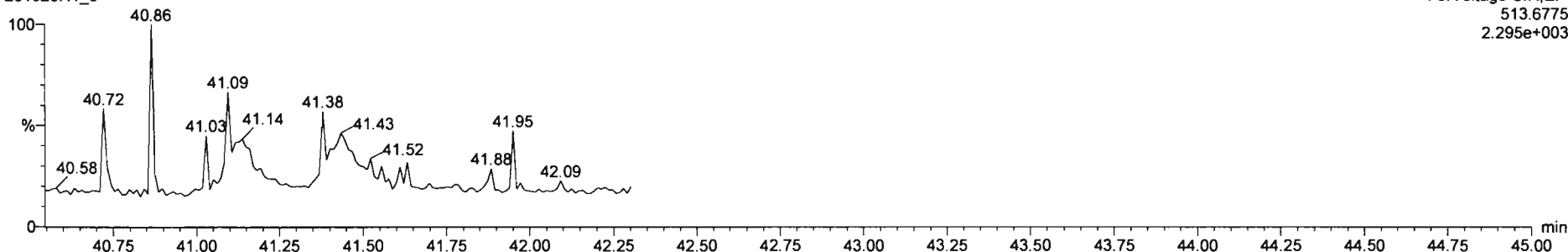


201020R1_5



DPE5

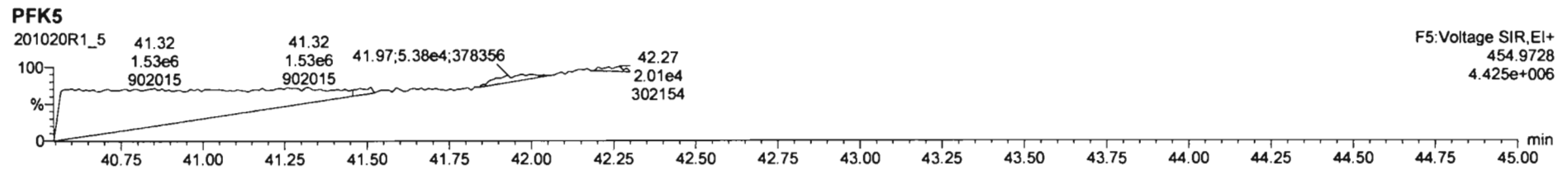
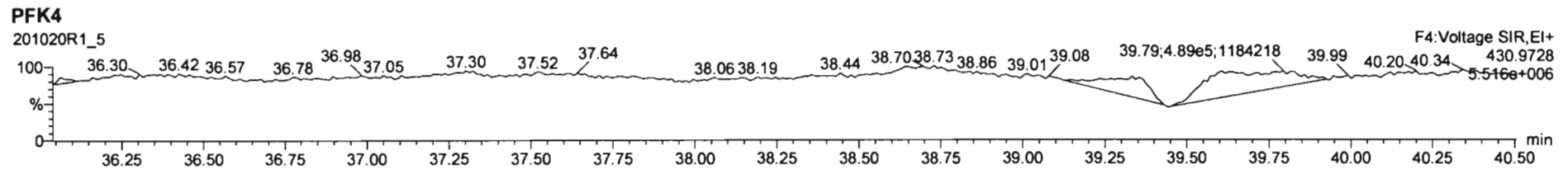
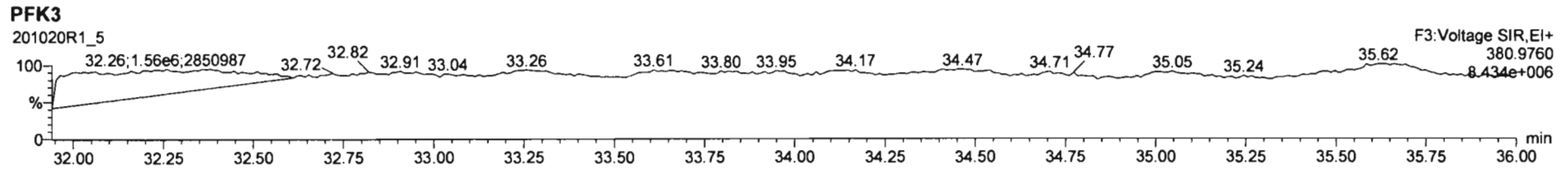
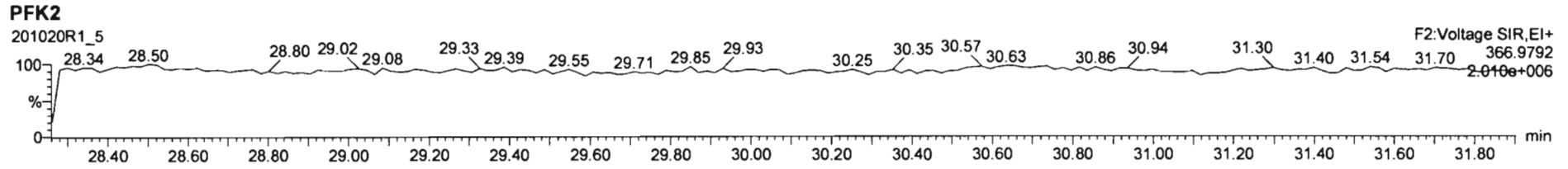
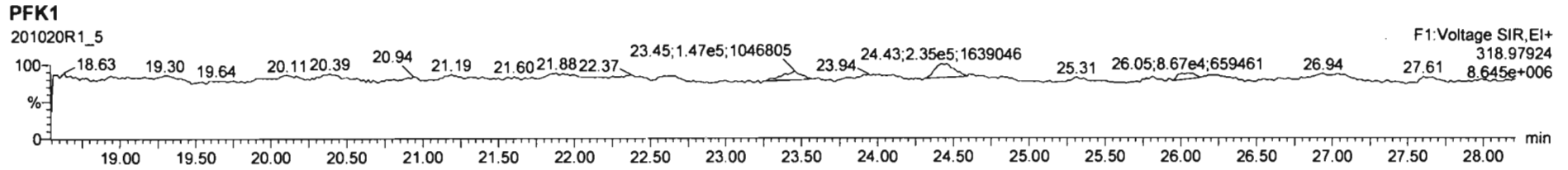
201020R1_5



Dataset: Untitled

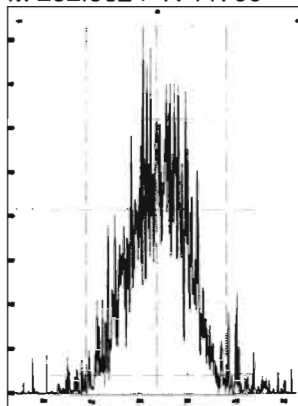
Last Altered: Tuesday, October 20, 2020 15:17:40 Pacific Daylight Time
Printed: Tuesday, October 20, 2020 15:18:47 Pacific Daylight Time

Name: 201020R1_5, Date: 20-Oct-2020, Time: 12:16:56, ID: ST201020R1_5 1613 CS5 20F1107, Description: 1613 CS5 20F1107

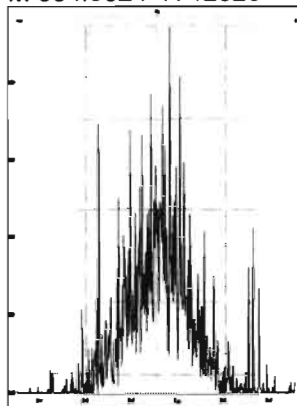


Printed: Tuesday, October 20, 2020 16:06:25 Pacific Daylight Time

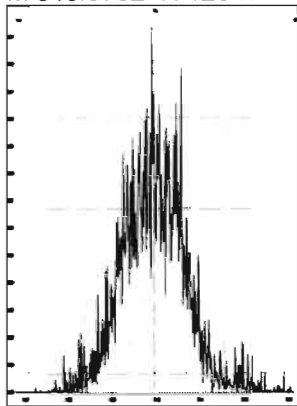
M 292.9824 R 11788



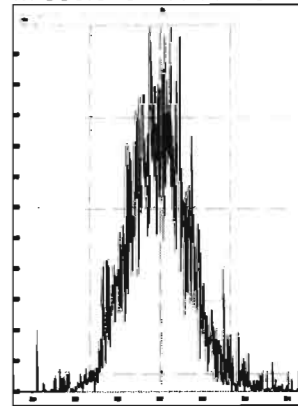
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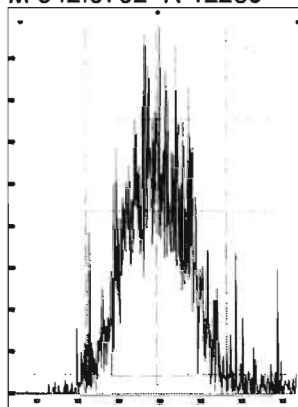
M 318.9792 R 12347



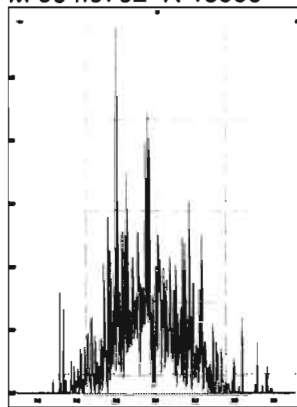
M 330.9792 R 11993



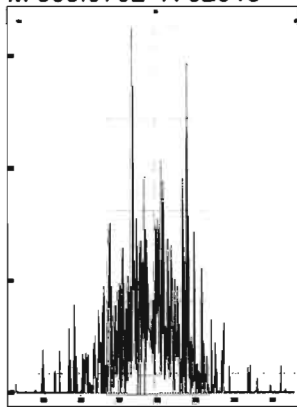
M 342.9792 R 12285



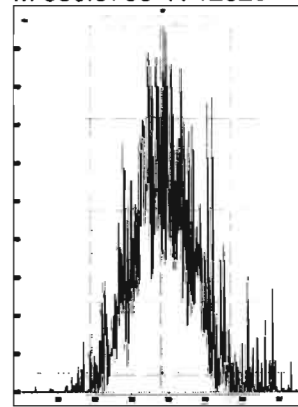
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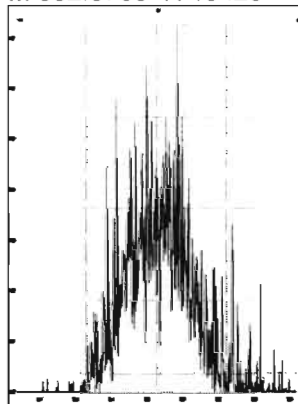
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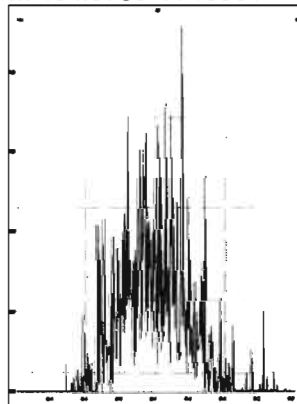
M 380.9760 R 12823



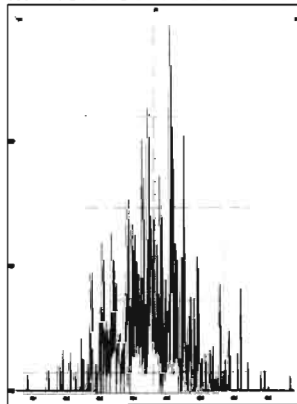
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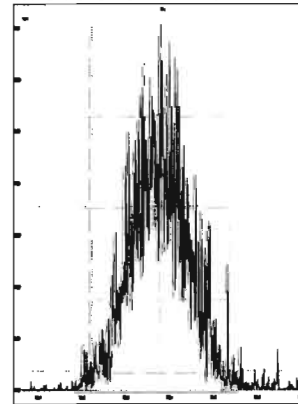
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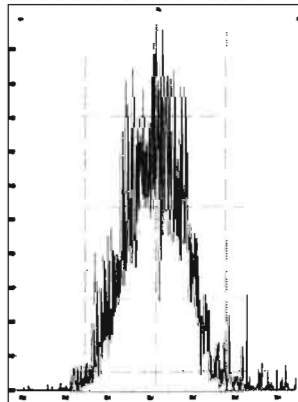
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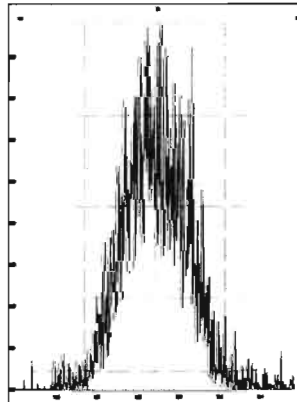
M 318.9792 R 13263



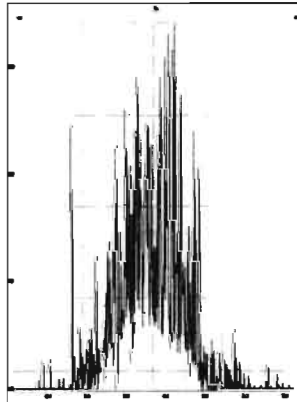
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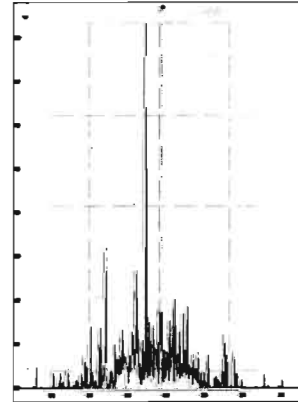
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M 354.9792 R 18370

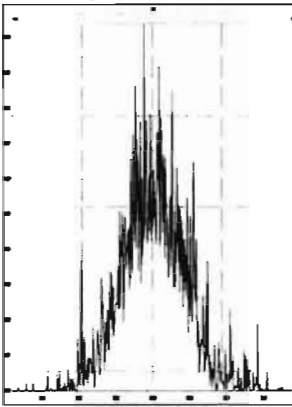


M 366.9792 R 28277

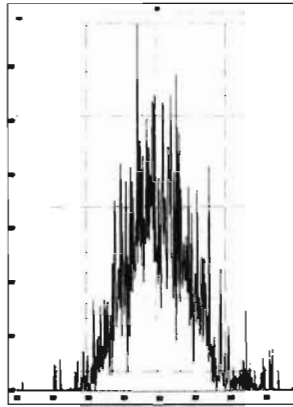


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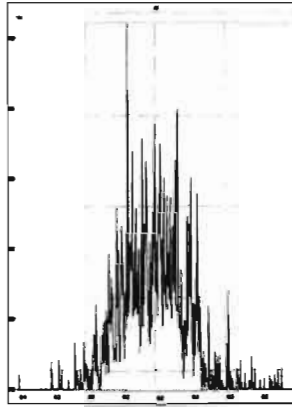
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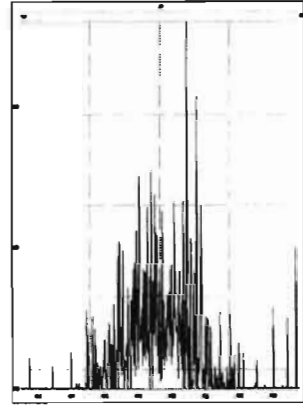
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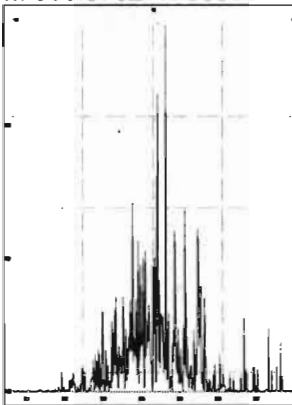
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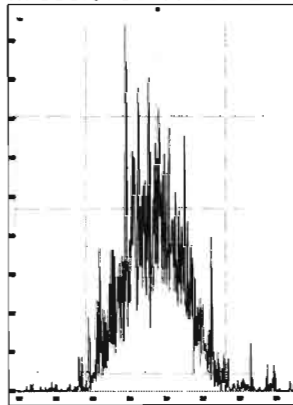
M 416.9760 R 201718



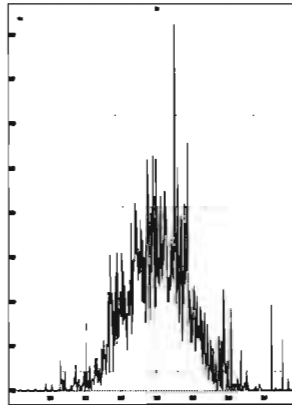
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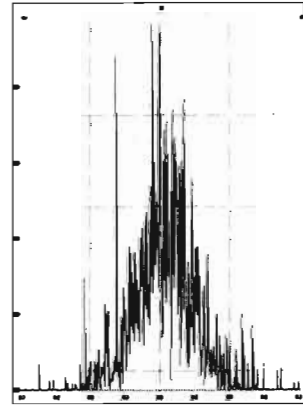
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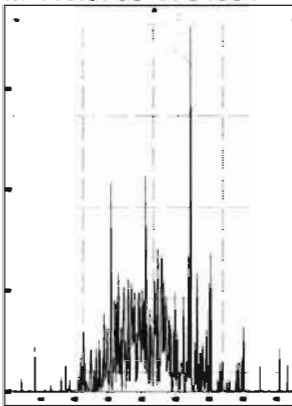
M 392.9760 R 12902



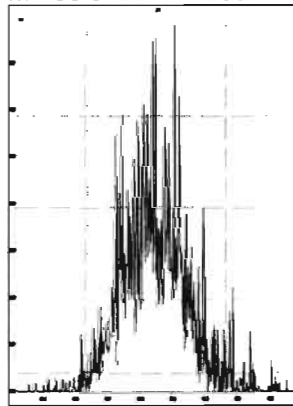
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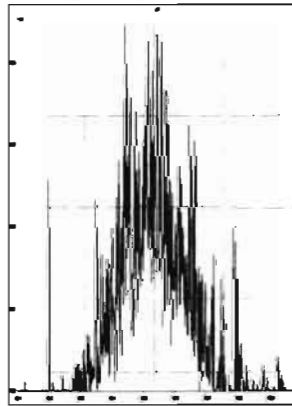
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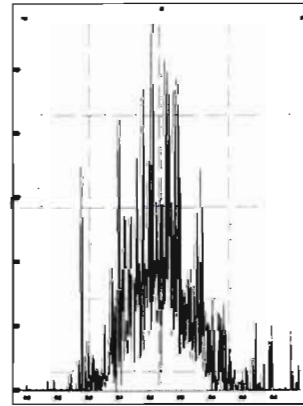
M 430.9728 R 12830



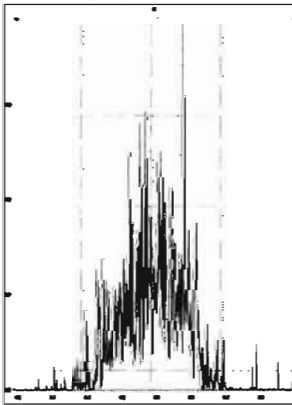
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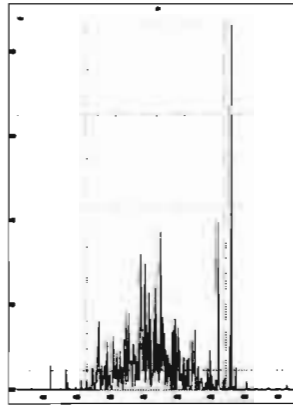
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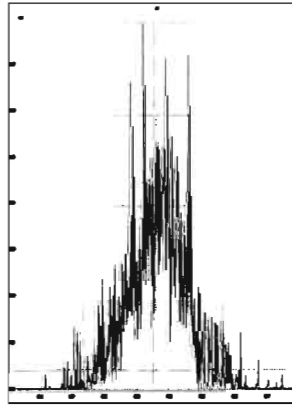
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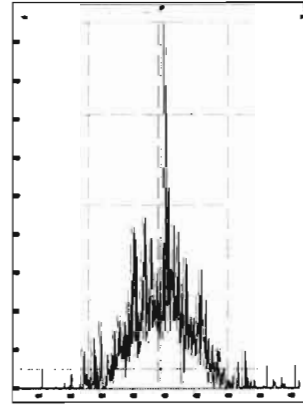
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M 430.9728 R 14329

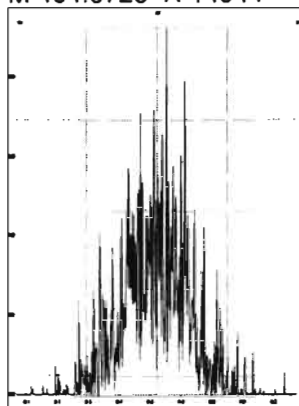


M 442.9728 R 18144

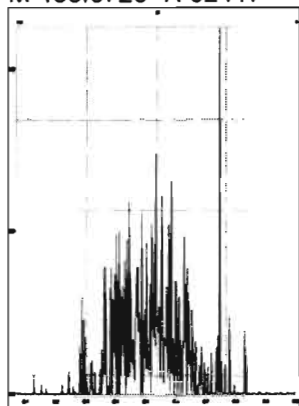


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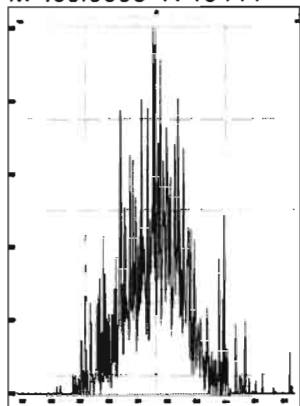
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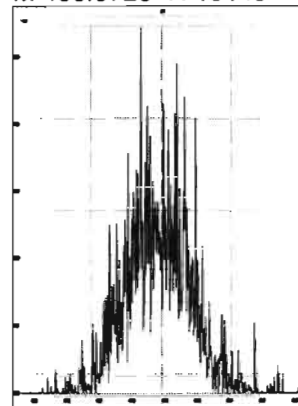
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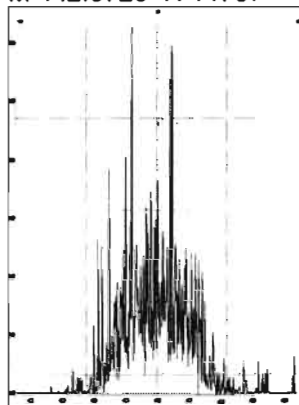
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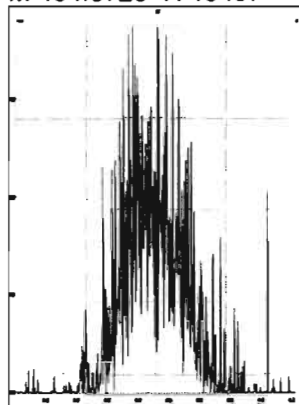
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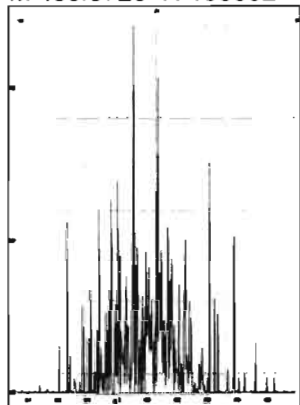
M 442.9728 R 14707



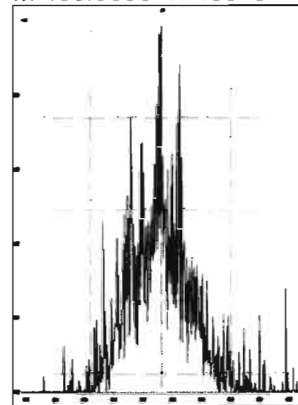
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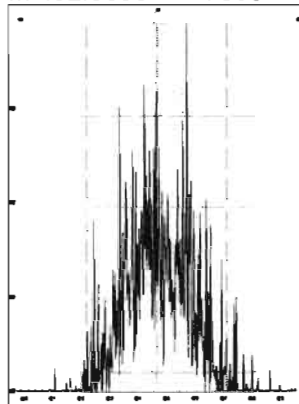
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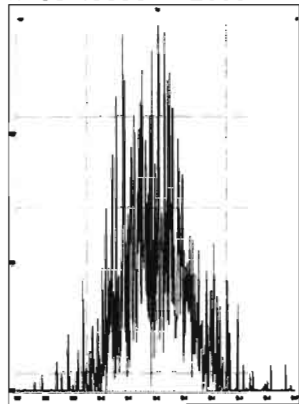
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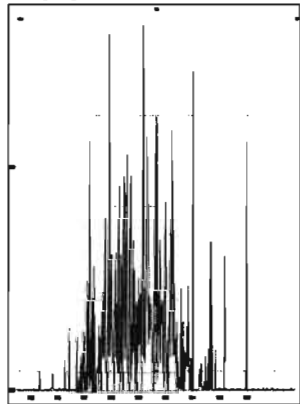
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Dataset: U:\VG12.PRO\Results\201020R1\201020R1-8.qld

Last Altered: Tuesday, October 20, 2020 15:15:37 Pacific Daylight Time
Printed: Tuesday, October 20, 2020 15:16:22 Pacific Daylight Time

GRB 10/20/2020
HN 10/20/2020

Method: U:\VG12.PRO\MethDB\1613rrt-10-20-20.mdb 20 Oct 2020 10:47:39
Calibration: U:\VG12.PRO\CurveDB\vbDIOXIN_1613vg12-10-20-20.cdb 20 Oct 2020 14:36:10

Name: 201020R1_8, Date: 20-Oct-2020, Time: 14:29:33, ID: SS201020R1_1 1613 SSS 20F1108, Description: 1613 SSS 20F1108

#	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	1.37e5	1.40e6	0.74	NO	0.950	26.30	26.30	NO	1.001	1.001	10.363	104	NO
2	2 1,2,3,7,8-PeCDD	4.97e5	1.07e6	0.62	NO	0.885	30.97	30.96	NO	1.000	1.000	52.349	105	NO
3	3 1,2,3,4,7,8-HxCDD	4.14e5	7.58e5	1.30	NO	1.02	34.31	34.29	NO	1.001	1.000	53.693	107	NO
4	4 1,2,3,6,7,8-HxCDD	4.51e5	8.90e5	1.21	NO	0.915	34.40	34.41	NO	1.000	1.001	55.421	111	NO
5	5 1,2,3,7,8,9-HxCDD	4.02e5	8.09e5	1.25	NO	0.934	34.67	34.69	NO	1.000	1.001	53.130	106	NO
6	6 1,2,3,4,6,7,8-HpCDD	3.08e5	6.75e5	1.02	NO	0.870	38.15	38.17	NO	1.000	1.001	52.362	105	NO
7	7 OCDD	5.24e5	1.11e6	0.87	NO	0.872	41.11	41.12	NO	1.000	1.000	108.80	109	NO
8	8 2,3,7,8-TCDF	1.63e5	1.90e6	0.75	NO	0.824	25.60	25.62	NO	1.000	1.001	10.438	104	NO
9	9 1,2,3,7,8-PeCDF	7.63e5	1.57e6	1.57	NO	0.963	29.70	29.71	NO	1.000	1.001	50.613	101	NO
10	10 2,3,4,7,8-PeCDF	8.90e5	1.52e6	1.58	NO	1.07	30.76	30.78	NO	1.000	1.001	54.945	110	NO
11	11 1,2,3,4,7,8-HxCDF	5.48e5	1.04e6	1.22	NO	0.953	33.36	33.38	NO	1.000	1.001	55.545	111	NO
12	12 1,2,3,6,7,8-HxCDF	6.04e5	1.08e6	1.22	NO	1.01	33.50	33.51	NO	1.000	1.000	55.330	111	NO
13	13 2,3,4,6,7,8-HxCDF	5.48e5	1.01e6	1.23	NO	0.991	34.16	34.18	NO	1.000	1.001	54.856	110	NO
14	14 1,2,3,7,8,9-HxCDF	4.44e5	8.60e5	1.23	NO	0.951	35.17	35.18	NO	1.000	1.000	54.262	109	NO
15	15 1,2,3,4,6,7,8-HpCDF	4.29e5	7.84e5	1.01	NO	0.999	36.76	36.77	NO	1.000	1.000	54.767	110	NO
16	16 1,2,3,4,7,8,9-HpCDF	3.47e5	6.01e5	1.01	NO	1.12	38.77	38.78	NO	1.000	1.000	51.464	103	NO
17	17 OCDF	6.03e5	1.28e6	0.88	NO	0.868	41.41	41.41	NO	1.000	1.000	108.21	108	NO
18	18 13C-2,3,7,8-TCDD	1.40e6	1.26e6	0.78	NO	1.11	26.27	26.27	NO	1.029	1.030	100.10	100	NO
19	19 13C-1,2,3,7,8-PeCDD	1.07e6	1.26e6	0.62	NO	0.859	30.91	30.96	NO	1.211	1.213	99.348	99.3	NO
20	20 13C-1,2,3,4,7,8-HxCDD	7.58e5	1.11e6	1.28	NO	0.700	34.26	34.28	NO	1.013	1.014	97.536	97.5	NO
21	21 13C-1,2,3,6,7,8-HxCDD	8.90e5	1.11e6	1.26	NO	0.833	34.39	34.39	NO	1.017	1.017	96.285	96.3	NO
22	22 13C-1,2,3,7,8,9-HxCDD	8.09e5	1.11e6	1.26	NO	0.762	34.66	34.66	NO	1.025	1.025	95.612	95.6	NO
23	23 13C-1,2,3,4,6,7,8-HpCDD	6.75e5	1.11e6	1.05	NO	0.650	38.10	38.15	NO	1.127	1.128	93.625	93.6	NO
24	24 13C-OCDD	1.11e6	1.11e6	0.89	NO	0.539	41.04	41.11	NO	1.214	1.216	184.54	92.3	NO
25	25 13C-2,3,7,8-TCDF	1.90e6	1.96e6	0.78	NO	0.981	25.60	25.59	NO	1.003	1.003	98.983	99.0	NO
26	26 13C-1,2,3,7,8-PeCDF	1.57e6	1.96e6	1.60	NO	0.792	29.66	29.69	NO	1.162	1.163	101.15	101	NO
27	27 13C-2,3,4,7,8-PeCDF	1.52e6	1.96e6	1.59	NO	0.778	30.72	30.76	NO	1.204	1.205	99.698	99.7	NO
28	28 13C-1,2,3,4,7,8-HxCDF	1.04e6	1.11e6	0.50	NO	0.954	33.36	33.36	NO	0.987	0.987	97.788	97.8	NO
29	29 13C-1,2,3,6,7,8-HxCDF	1.08e6	1.11e6	0.50	NO	1.01	33.50	33.50	NO	0.991	0.991	96.967	97.0	NO
30	30 13C-2,3,4,6,7,8-HxCDF	1.01e6	1.11e6	0.52	NO	0.921	34.16	34.16	NO	1.010	1.010	98.529	98.5	NO
31	31 13C-1,2,3,7,8,9-HxCDF	8.60e5	1.11e6	0.51	NO	0.803	35.16	35.17	NO	1.040	1.040	96.452	96.5	NO

Dataset: U:\VG12.PRO\Results\201020R1\201020R1-8.qld

Last Altered: Tuesday, October 20, 2020 15:15:37 Pacific Daylight Time

Printed: Tuesday, October 20, 2020 15:16:22 Pacific Daylight Time

Name: 201020R1_8, Date: 20-Oct-2020, Time: 14:29:33, ID: SS201020R1_1 1613 SSS 20F1108, Description: 1613 SSS 20F1108

#	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	7.84e5	1.11e6	0.44	NO	0.735	36.72	36.75	NO	1.086	1.087	96.055	96.1	NO
33	33 13C-1,2,3,4,7,8,9-HpCDF	6.01e5	1.11e6	0.42	NO	0.568	38.71	38.77	NO	1.145	1.147	95.309	95.3	NO
34	34 13C-OCDF	1.28e6	1.11e6	0.89	NO	0.629	41.33	41.40	NO	1.222	1.225	183.63	91.8	NO
35	35 37Cl-2,3,7,8-TCDD	1.45e5	1.26e6			1.09	26.29	26.29	NO	1.030	1.030	10.596	106	NO
36	36 13C-1,2,3,4-TCDD	1.26e6	1.26e6	0.79	NO	1.00	25.59	25.52	NO	1.000	1.000	100.00	100	NO
37	37 13C-1,2,3,4-TCDF	1.96e6	1.96e6	0.80	NO	1.00	24.13	24.06	NO	1.000	1.000	100.00	100	NO
38	38 13C-1,2,3,4,6,9-HxCDF	1.11e6	1.11e6	0.51	NO	1.00	33.84	33.81	NO	1.000	1.000	100.00	100	YES st

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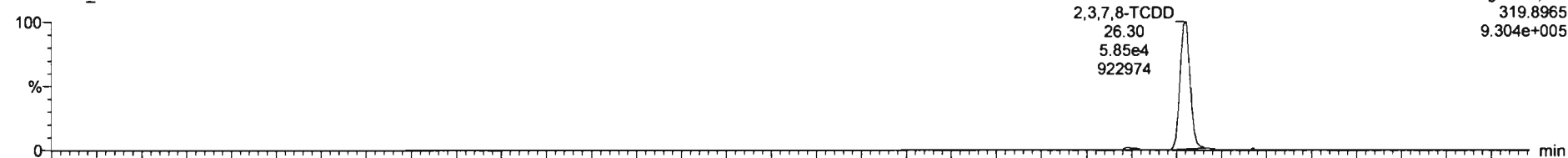
Last Altered: Tuesday, October 20, 2020 15:17:24 Pacific Daylight Time
Printed: Tuesday, October 20, 2020 15:17:27 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-10-20-20.mdb 20 Oct 2020 10:47:39
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-10-20-20.cdb 20 Oct 2020 14:36:10

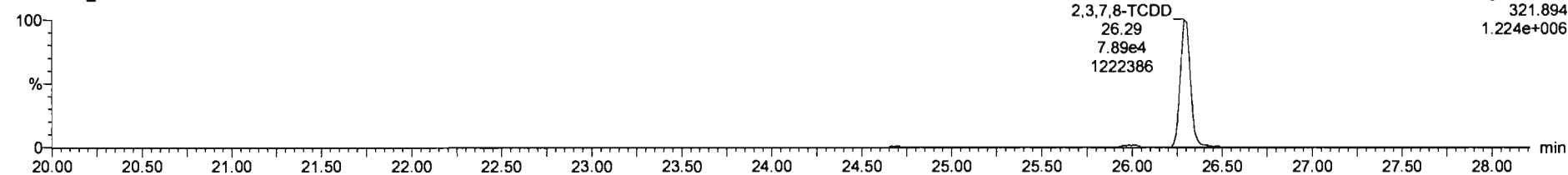
Name: 201020R1_8, Date: 20-Oct-2020, Time: 14:29:33, ID: SS201020R1_1 1613 SSS 20F1108, Description: 1613 SSS 20F1108

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201020R1_8

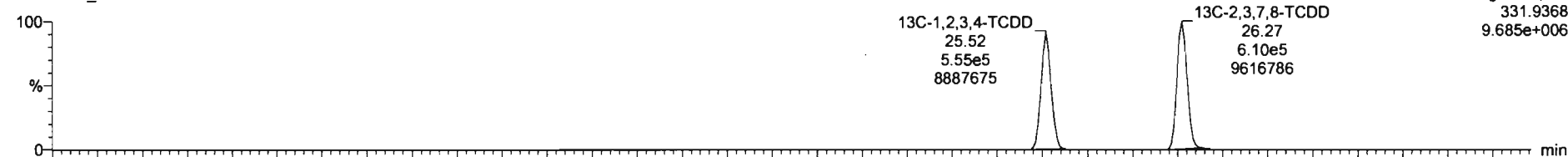


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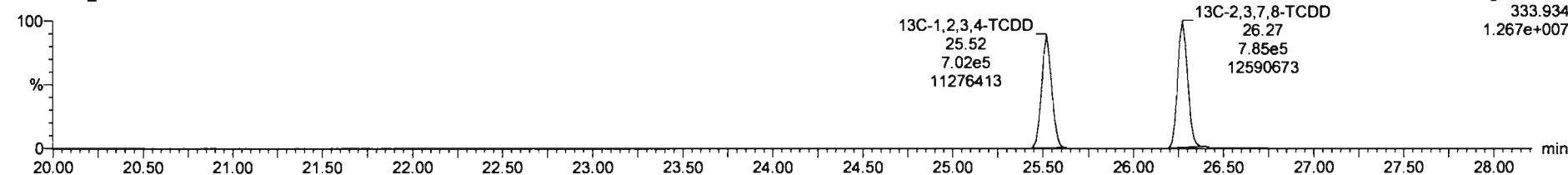


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201020R1_8



201020R1_8



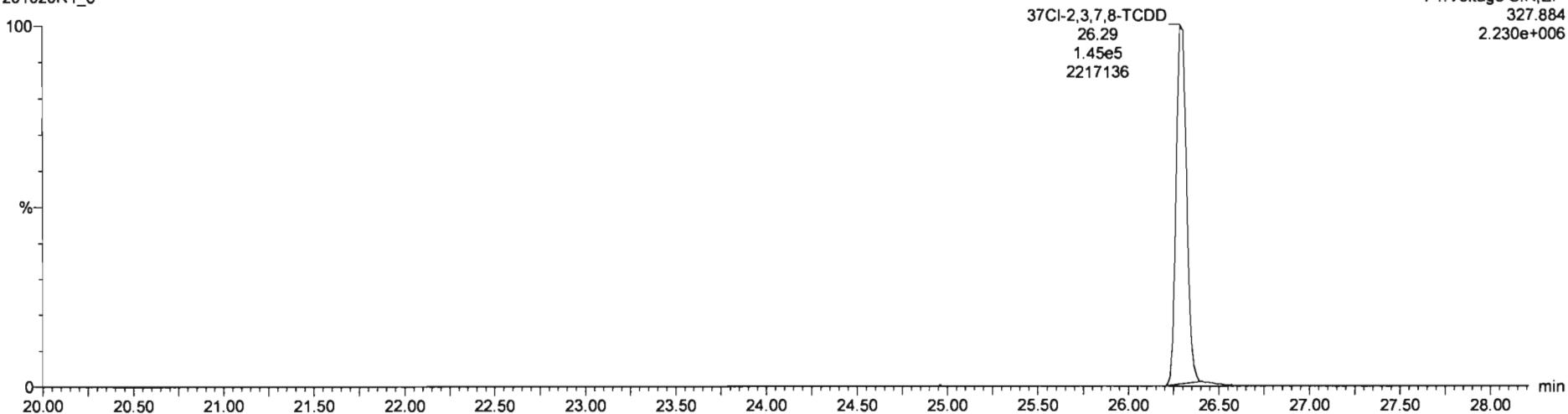
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Name: 201020R1_8, Date: 20-Oct-2020, Time: 14:29:33, ID: SS201020R1_1 1613 SSS 20F1108, Description: 1613 SSS 20F1108

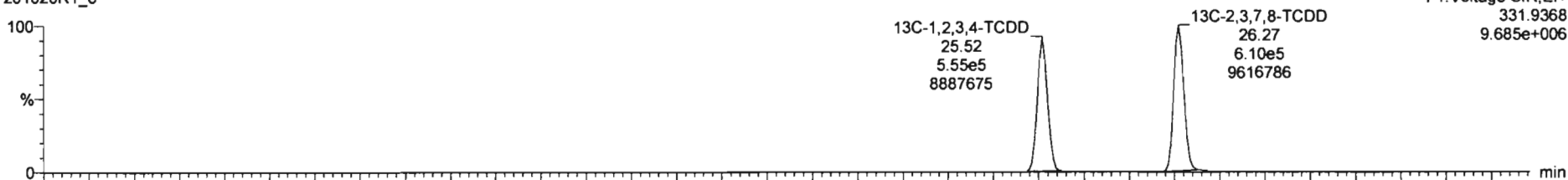
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201020R1_8

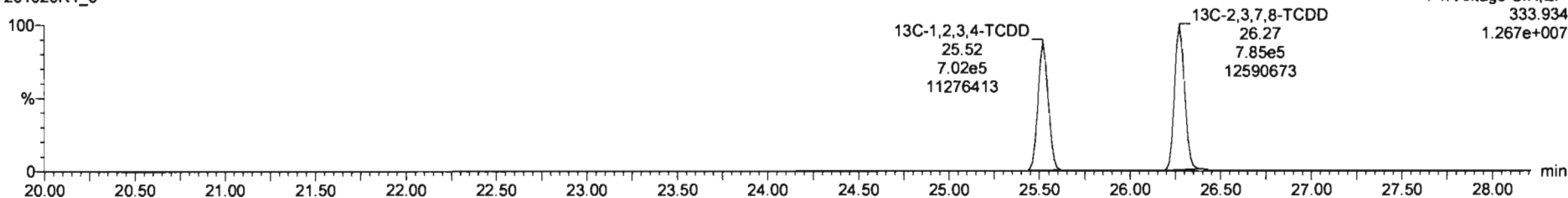


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201020R1_8



201020R1_8



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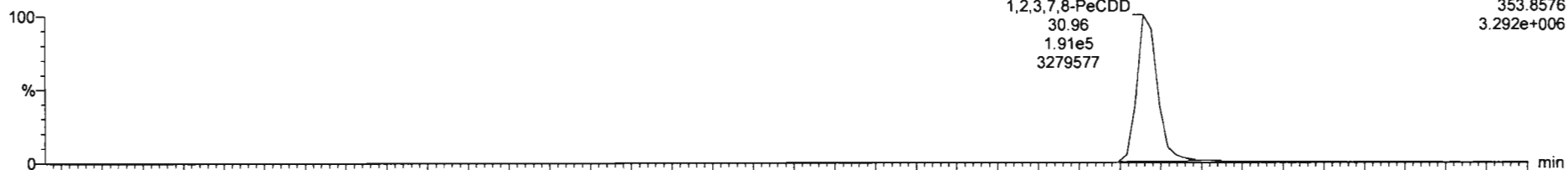
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Printed: Tuesday, October 20, 2020 15:17:27 Pacific Daylight Time

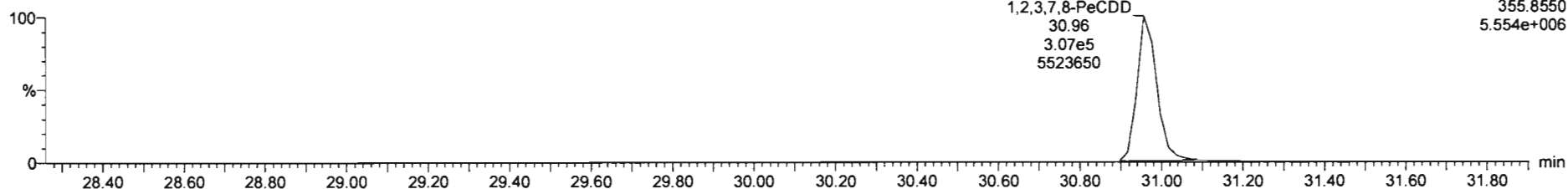
Name: 201020R1_8, Date: 20-Oct-2020, Time: 14:29:33, ID: SS201020R1_1 1613 SSS 20F1108, Description: 1613 SSS 20F1108

1,2,3,7,8-PeCDD

201020R1_8

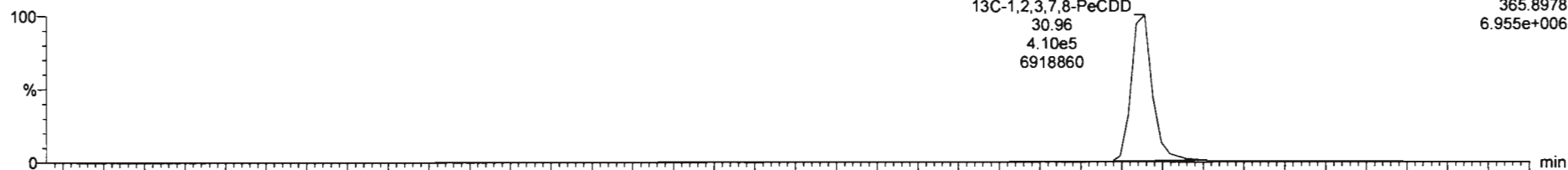


201020R1_8

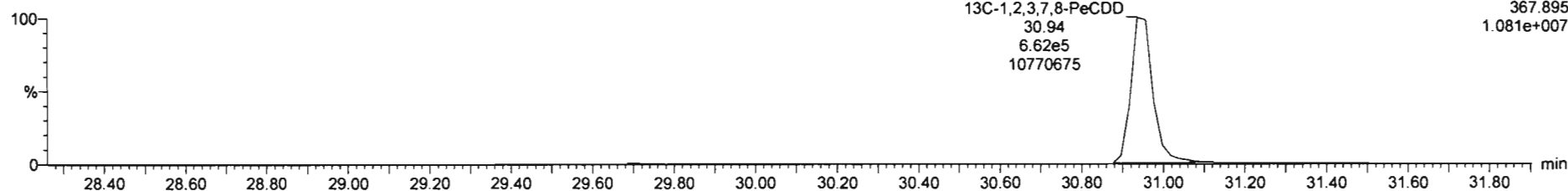


13C-1,2,3,7,8-PeCDD

201020R1_8



201020R1_8



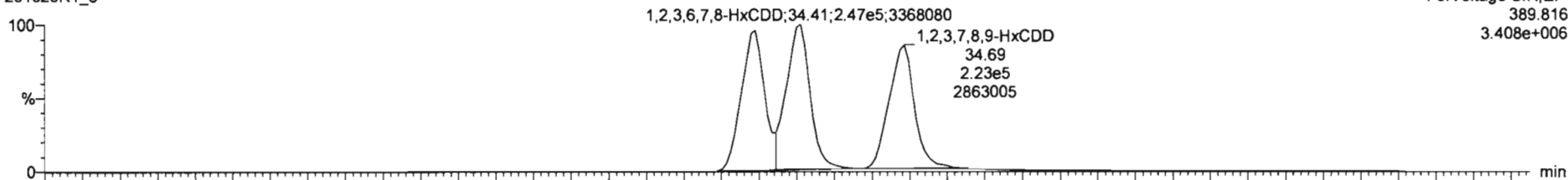
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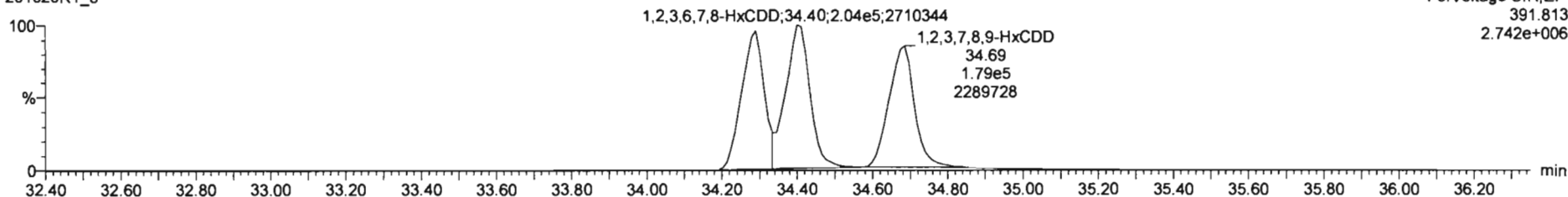
1,2,3,4,7,8-HxCDD

201020R1_8



F3:Voltage SIR, EI+
389.816
3.408e+006

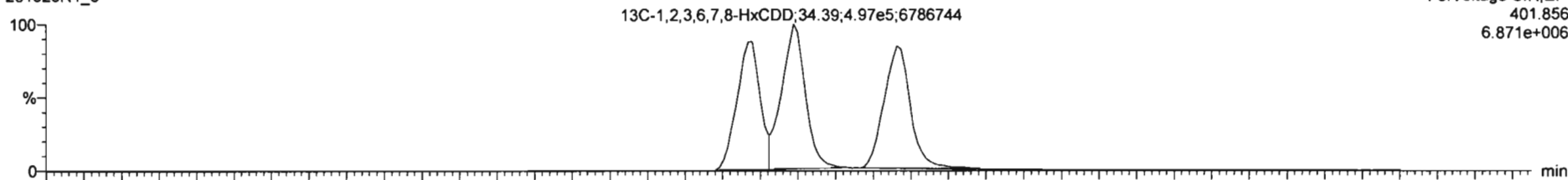
201020R1_8



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2.742e+006

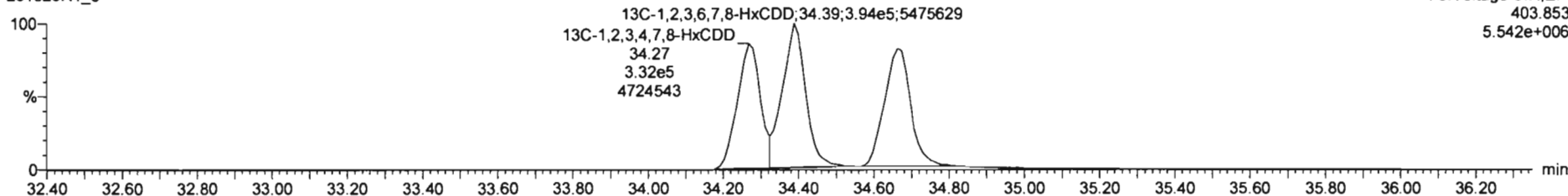
13C-1,2,3,4,7,8-HxCDD

201020R1_8



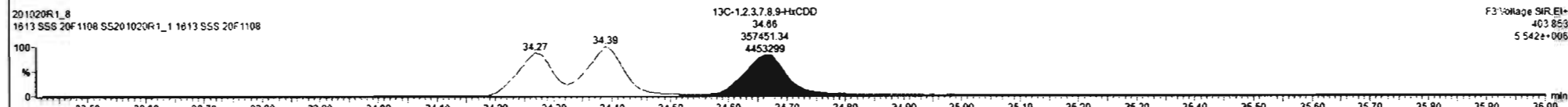
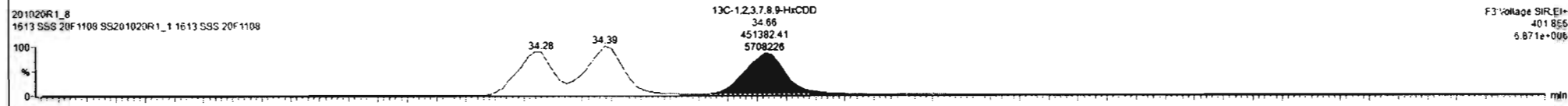
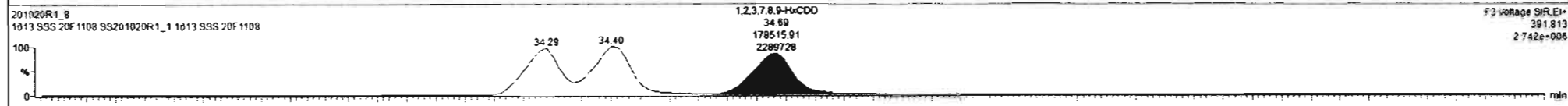
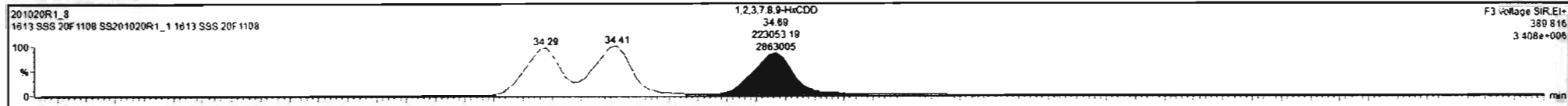
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401.856
6.871e+006

201020R1_8



F3:Voltage SIR, EI+
403.853
5.542e+006

#	Name	Resp	IS Resp	Pred RA	RA	s/y	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc.	%Rec	STD out
1	1,2,3,7,8-TCDD	1.37e5	1.49e6	0.77	0.74	NO	0.9501	26.30	26.36	NO	1.001	1.001	16.4	104	NO
2	1,2,3,7,8-PeCDD	4.87e5	1.07e6	0.63	0.62	NO	0.8855	30.97	30.96	NO	1.000	1.000	52.3	105	NO
3	1,2,3,4,7,8-HxCDD	4.14e5	7.58e5	1.24	1.30	NO	1.0178	34.31	34.29	NO	1.001	1.000	53.7	107	NO
4	1,2,3,6,7,8-HxCDD	4.51e5	8.90e5	1.24	1.21	NO	0.9145	34.40	34.41	NO	1.000	1.001	55.4	111	NO
5	1,2,3,7,8,9-HxCDD	4.62e5	8.89e5	1.24	1.25	NO	0.9345	34.67	34.69	NO	1.000	1.001	53.1	108	NO
6	1,2,3,4,6,7,8-HpCDD	3.08e5	8.75e5	1.04	1.02	NO	0.8897	38.15	38.17	NO	1.000	1.001	52.4	105	NO
7	OCDD	5.24e5	1.11e6	0.89	0.87	NO	0.8717	41.11	41.12	NO	1.000	1.000	109	109	NO
8	2,3,7,8-TCDF	1.63e5	1.90e6	0.77	0.75	NO	0.8243	25.60	25.62	NO	1.000	1.001	10.4	104	NO
9	1,2,3,7,8-PeCDF	7.63e5	1.57e6	1.55	1.57	NO	0.9626	29.70	29.71	NO	1.000	1.001	50.6	101	NO
10	2,3,4,7,8-PeCDF	8.90e5	1.52e6	1.55	1.58	NO	1.0684	30.76	30.78	NO	1.000	1.001	54.9	110	NO
11	1,2,3,4,7,8-HxCDF	5.49e5	1.04e6	1.24	1.22	NO	0.9535	33.36	33.38	NO	1.000	1.001	55.5	111	NO
12	1,2,3,6,7,8-HxCDF	6.04e5	1.08e6	1.24	1.22	NO	1.0080	33.50	33.51	NO	1.000	1.000	55.3	111	NO
13	2,3,4,6,7,8-HxCDF	5.49e5	1.01e6	1.24	1.23	NO	0.9907	34.16	34.18	NO	1.000	1.001	54.9	110	NO
14	1,2,3,7,8,9-HxCDF	4.44e5	8.60e5	1.24	1.23	NO	0.9506	35.17	35.18	NO	1.000	1.000	54.3	109	NO
15	1,2,3,4,6,7,8-HpCDF	4.29e5	7.84e5	1.04	1.01	NO	0.9986	36.76	36.77	NO	1.000	1.000	54.8	110	NO
16	1,2,3,4,7,8,9-HpCDF	3.47e5	6.01e5	1.04	1.01	NO	1.1238	38.77	38.78	NO	1.000	1.000	51.5	103	NO
17	OCDF	6.03e5	1.28e6	0.88	0.88	NO	0.8682	41.41	41.41	NO	1.000	1.000	108	108	NO
18	13C-2,3,7,8-TCDD	1.40e6	1.26e6	0.77	0.78	NO	1.1089	26.27	26.27	NO	1.029	1.030	100	100	NO
19	13C-1,2,3,7,8-PeCDD	1.07e6	1.26e6	0.63	0.62	NO	0.6585	30.91	30.96	NO	1.211	1.213	99.3	99.3	NO
20	13C-1,2,3,4,7,8-HxCDD	7.58e5	1.11e6	1.24	1.26	NO	0.6997	34.28	34.28	NO	1.013	1.014	97.5	97.5	NO
21	13C-1,2,3,6,7,8-HxCDD	8.90e5	1.11e6	1.24	1.26	NO	0.6327	34.39	34.39	NO	1.017	1.017	96.3	96.3	NO



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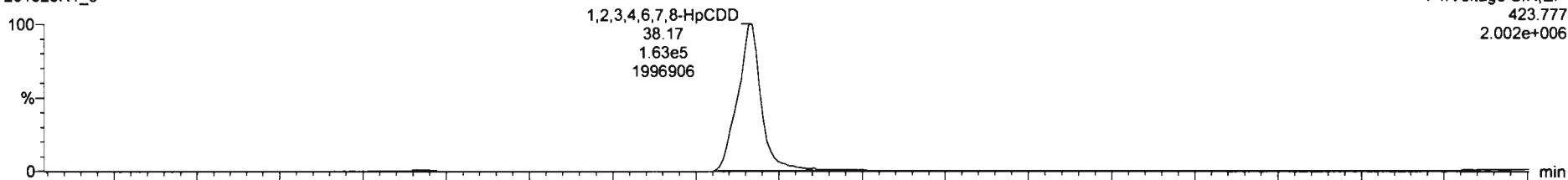
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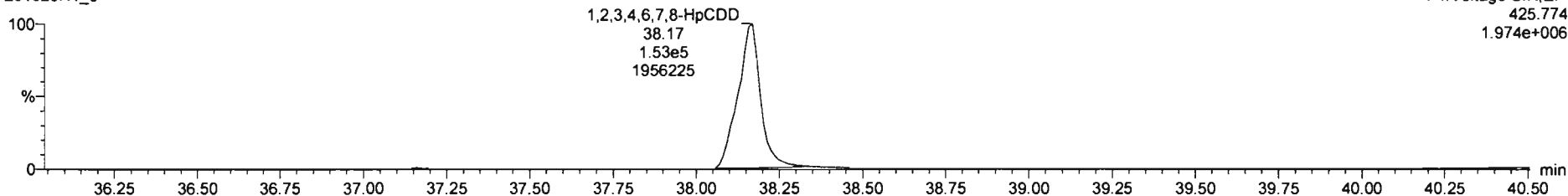
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1,2,3,4,6,7,8-HpCDD

201020R1_8

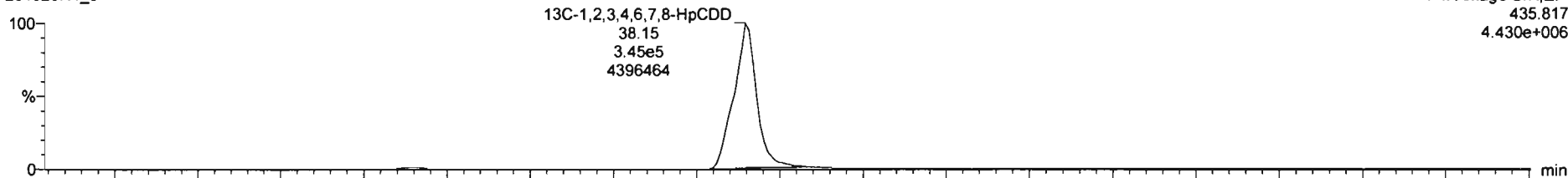


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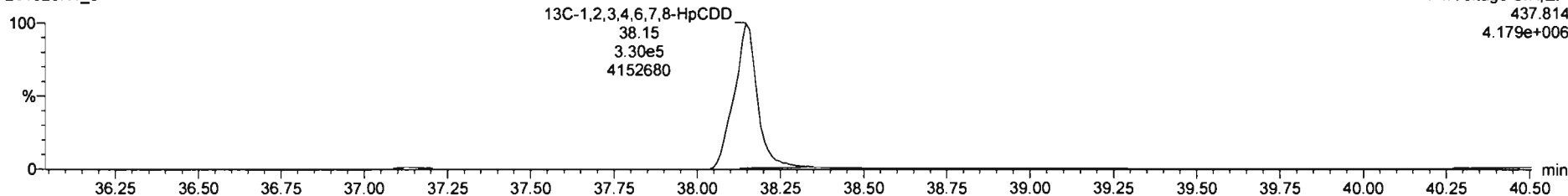


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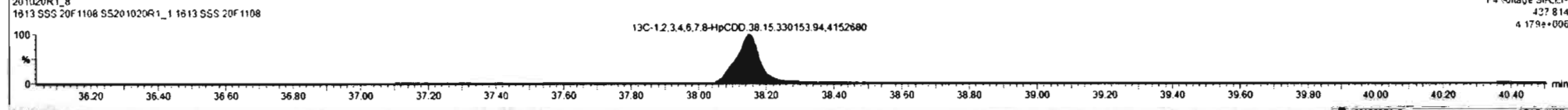
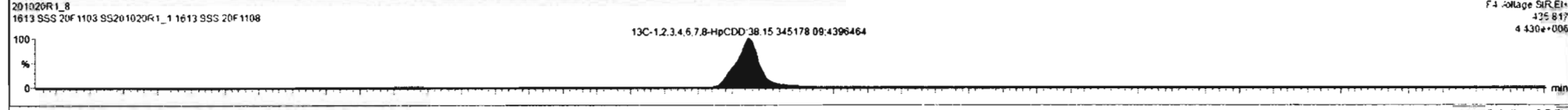
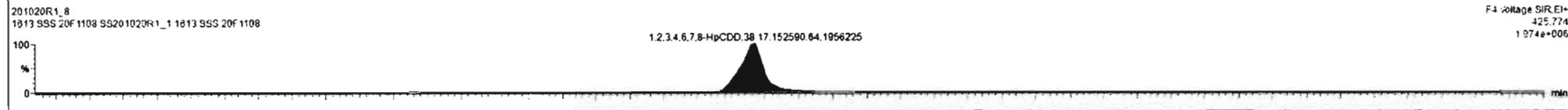
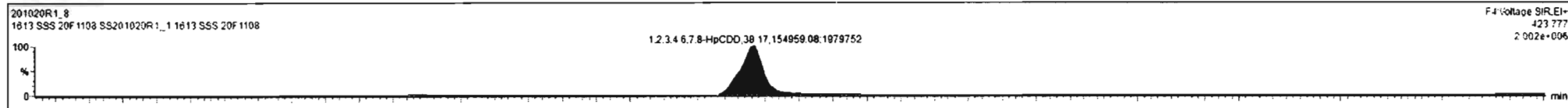
201020R1_8



201020R1_8



#	Name	Resp	IS Resp	Pred RA	RA	afy	RRF	Pred RT	RT	RT Flag	Pred IRT	IRT	Conc	%Rec	STD dev
1	1,2,3,7,8-TCDD	1.37e5	1.49e6	0.77	0.74	NO	0.9581	26.30	26.36	NO	1.001	1.001	16.4	104	NO
2	1,2,3,7,8-PeCDD	4.97e5	1.07e6	0.83	0.62	NO	0.8855	30.97	30.96	NO	1.006	1.000	52.3	105	NO
3	1,2,3,4,7,8-HxCDD	4.14e5	7.58e5	1.24	1.30	NO	1.0178	34.31	34.29	NO	1.001	1.000	53.7	107	NO
4	1,2,3,6,7,8-HxCDD	4.51e5	8.90e5	1.24	1.21	NO	0.9145	34.40	34.41	NO	1.000	1.001	55.4	111	NO
5	1,2,3,7,8,9-HxCDD	4.82e5	8.09e5	1.24	1.25	NO	0.9345	34.67	34.69	NO	1.000	1.001	53.1	106	NO
6	1,2,3,4,6,7,8-HpCDD	3.66e5	6.75e5	1.64	1.62	NO	0.6687	38.15	38.17	NO	1.009	1.001	52.4	105	NO
7	OCDD	5.24e5	1.11e6	0.89	0.87	NO	0.8717	41.11	41.12	NO	1.000	1.000	109	109	NO
8	2,3,7,8-TCDF	1.63e5	1.90e6	0.77	0.75	NO	0.8243	25.80	25.82	NO	1.000	1.001	16.4	104	NO
9	1,2,3,7,8-PeCDF	7.83e5	1.57e6	1.55	1.57	NO	0.9626	29.70	29.71	NO	1.000	1.001	50.6	101	NO
10	1,2,3,4,7,8-HxCDF	8.90e5	1.52e6	1.55	1.58	NO	1.0684	30.76	30.78	NO	1.000	1.001	54.9	110	NO
11	1,2,3,4,7,8-HxCDF	5.48e5	1.04e6	1.24	1.22	NO	0.9535	33.36	33.38	NO	1.000	1.001	55.5	111	NO
12	1,2,3,6,7,8-HxCDF	6.04e5	1.08e6	1.24	1.22	NO	1.0080	33.50	33.51	NO	1.000	1.000	55.3	111	NO
13	1,2,3,4,6,7,8-HxCDF	5.48e5	1.01e6	1.24	1.23	NO	0.9907	34.16	34.18	NO	1.000	1.001	54.9	110	NO
14	1,2,3,7,8,9-HxCDF	4.44e5	8.60e5	1.24	1.23	NO	0.9505	35.17	35.18	NO	1.000	1.000	54.3	109	NO
15	1,2,3,4,6,7,8-HpCDF	4.29e5	7.84e5	1.04	1.01	NO	0.9966	36.76	36.77	NO	1.000	1.000	54.8	110	NO
16	1,2,3,4,7,8,9-HpCDF	3.47e5	6.01e5	1.04	1.01	NO	1.1258	38.77	38.78	NO	1.000	1.000	51.5	103	NO
17	OCDF	6.03e5	1.28e6	0.89	0.88	NO	0.8682	41.41	41.41	NO	1.000	1.000	108	108	NO
18	13C-2,3,7,8-TCDD	1.40e6	1.26e6	0.77	0.78	NO	1.1089	26.27	26.27	NO	1.029	1.030	100	100	NO
19	13C-1,2,3,7,8-PeCDD	1.07e6	1.26e6	0.63	0.62	NO	0.6585	30.91	30.96	NO	1.211	1.213	99.3	99.3	NO
20	13C-1,2,3,4,7,8-HxCDD	7.58e5	1.11e6	1.24	1.28	NO	0.6997	34.28	34.28	NO	1.013	1.014	97.5	97.5	NO
21	13C-1,2,3,6,7,8-HxCDD	6.90e5	1.11e6	1.24	1.26	NO	0.8327	34.39	34.39	NO	1.017	1.017	96.3	96.3	NO



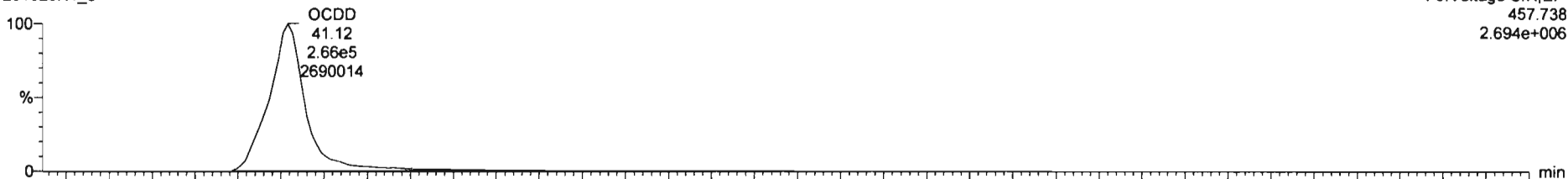
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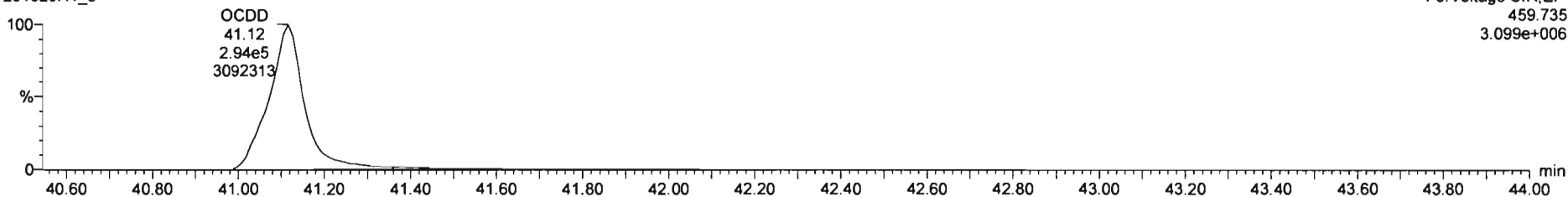
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OCDD

201020R1_8

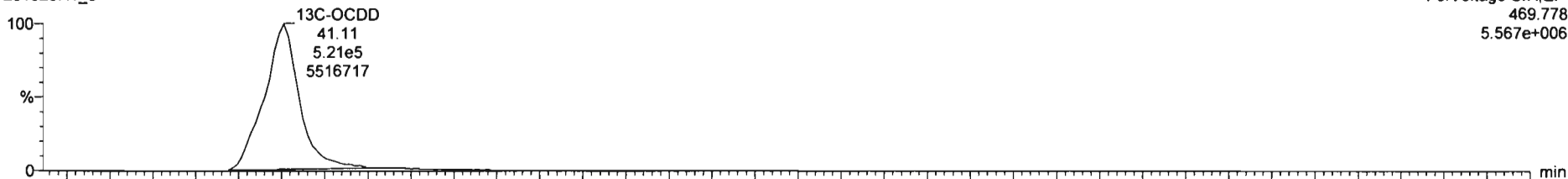


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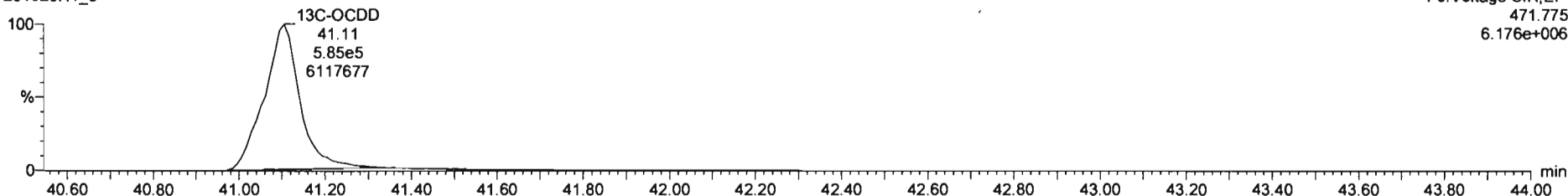


13C-OCDD

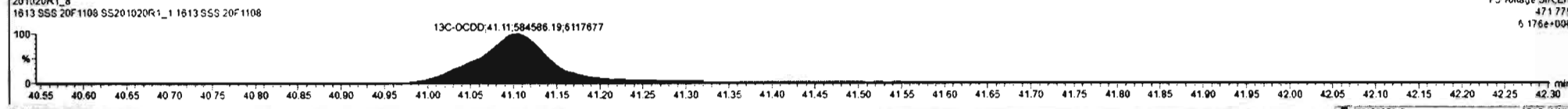
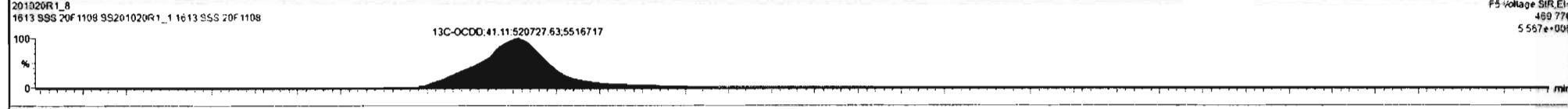
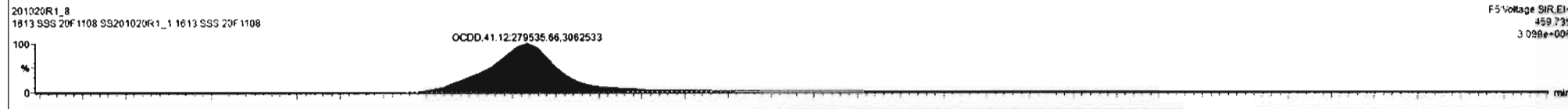
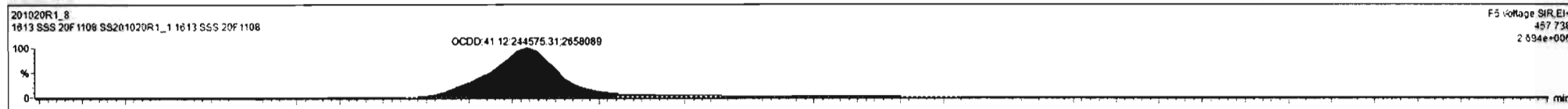
201020R1_8



201020R1_8



#	Name	Resp	IS Resp	Pred RA	RA	sfy	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc.	%Rec	STD out
1	2,3,7,8-TCDD	1.37e5	1.48e6	0.77	0.74	NO	0.9501	26.36	26.36	NO	1.001	1.001	10.4	104	NO
2	1,2,3,7,8-PeCDD	4.97e5	1.07e6	0.63	0.62	NO	0.8855	30.97	30.96	NO	1.000	1.000	52.3	105	NO
3	1,2,3,4,7,8-HxCDD	4.14e5	7.58e5	1.24	1.30	NO	1.0178	34.31	34.29	NO	1.001	1.000	53.7	107	NO
4	1,2,3,6,7,8-HxCDD	4.51e5	8.90e5	1.24	1.21	NO	0.9145	34.48	34.41	NO	1.000	1.001	55.4	111	NO
5	1,2,3,7,8,9-HxCDD	4.02e5	8.09e5	1.24	1.25	NO	0.9345	34.67	34.66	NO	1.000	1.001	53.1	106	NO
6	1,2,3,4,6,7,8-HxCDD	3.08e5	6.75e5	1.04	1.02	NO	0.8697	38.15	38.17	NO	1.000	1.001	52.4	105	NO
7	OCDD	8.26e5	1.11e6	0.89	0.87	NO	0.8717	41.11	41.12	NO	1.000	1.000	100	100	NO
8	2,3,7,8-TCDF	1.63e5	1.90e6	0.77	0.75	NO	0.8243	25.60	25.62	NO	1.000	1.001	16.4	104	NO
9	1,2,3,7,8-PeCDF	7.63e5	1.57e6	1.55	1.57	NO	0.9826	29.70	29.71	NO	1.000	1.001	50.6	101	NO
10	2,3,4,7,8-PeCDF	8.90e5	1.52e6	1.55	1.58	NO	1.0684	30.76	30.78	NO	1.000	1.001	54.9	110	NO
11	1,2,3,4,7,8-HxCDF	5.48e5	1.04e6	1.24	1.22	NO	0.9535	33.36	33.36	NO	1.000	1.001	55.5	111	NO
12	1,2,3,6,7,8-HxCDF	6.04e5	1.08e6	1.24	1.22	NO	1.0060	33.50	33.51	NO	1.000	1.000	55.3	111	NO
13	2,3,4,6,7,8-HxCDF	5.48e5	1.01e6	1.24	1.23	NO	0.9907	34.16	34.18	NO	1.000	1.001	54.9	110	NO
14	1,2,3,7,8,9-HxCDF	4.44e5	8.60e5	1.24	1.23	NO	0.9506	35.17	35.18	NO	1.000	1.000	54.3	109	NO
15	1,2,3,4,6,7,8-HpCDF	4.29e5	7.84e5	1.04	1.01	NO	0.9866	36.76	36.77	NO	1.000	1.000	54.8	110	NO
16	1,2,3,4,7,8,9-HpCDF	3.47e5	6.01e5	1.04	1.01	NO	1.1238	38.77	38.78	NO	1.000	1.000	51.5	103	NO
17	OCDF	6.03e5	1.28e6	0.89	0.88	NO	0.6682	41.41	41.41	NO	1.000	1.000	108	108	NO
18	13C-2,3,7,8-TCDD	1.40e6	1.26e6	0.77	0.78	NO	1.1089	26.27	26.27	NO	1.029	1.030	100	100	NO
19	13C-1,2,3,7,8-PeCDD	1.07e6	1.26e6	0.63	0.62	NO	0.6585	30.91	30.96	NO	1.211	1.213	98.3	99.3	NO
20	13C-1,2,3,4,7,8-HxCDD	7.58e5	1.11e6	1.24	1.26	NO	0.6997	34.26	34.28	NO	1.013	1.014	97.5	97.5	NO
21	13C-1,2,3,6,7,8-HxCDD	8.90e5	1.11e6	1.24	1.26	NO	0.8327	34.39	34.39	NO	1.017	1.017	96.3	96.3	NO



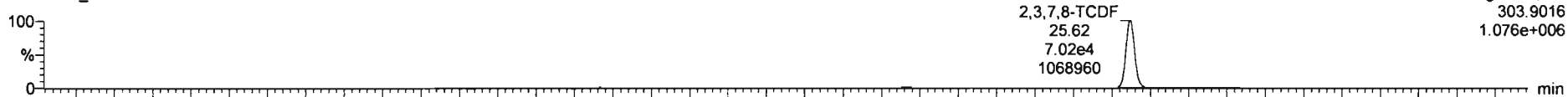
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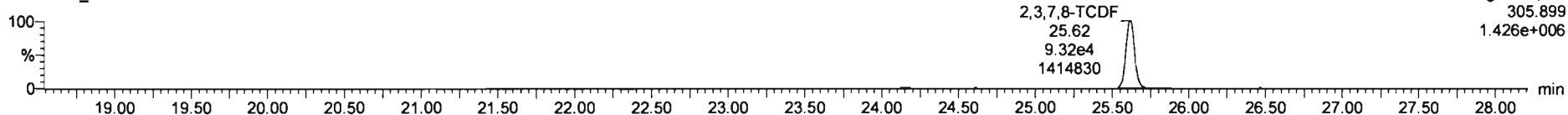
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2,3,7,8-TCDF

201020R1_8

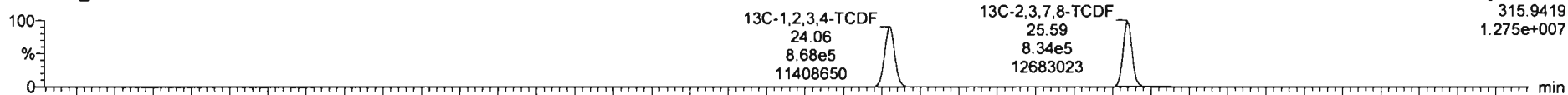


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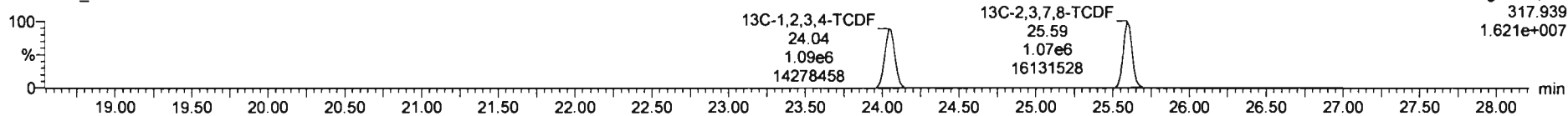


13C-2,3,7,8-TCDF

201020R1_8

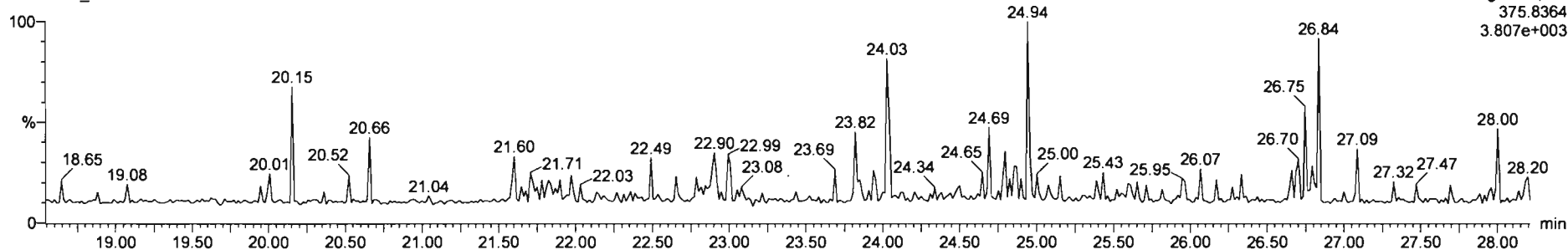


201020R1_8



DPE1

201020R1_8



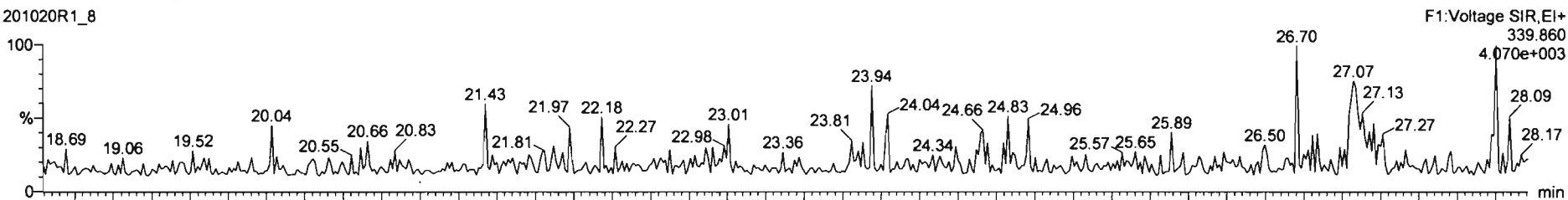
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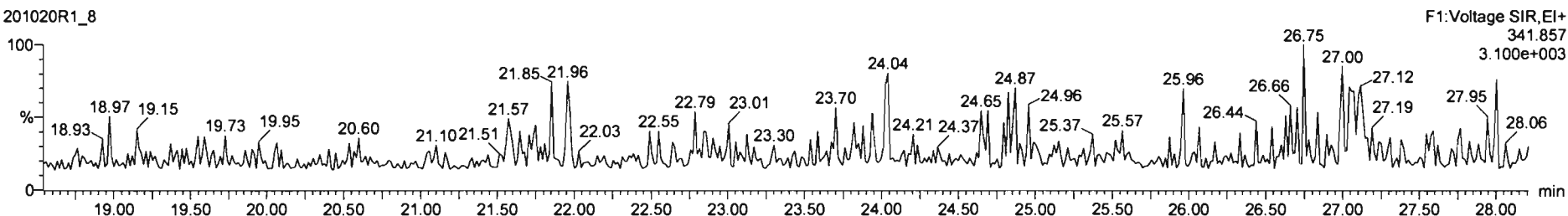
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1st Func. Penta-Furans

201020R1_8

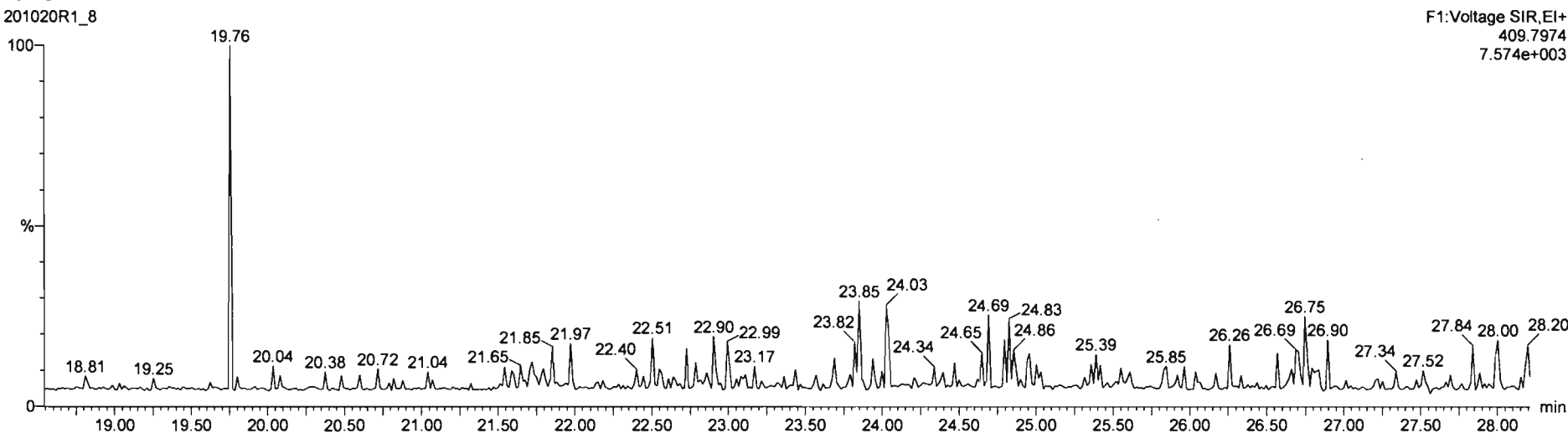


201020R1_8



DPE6

201020R1_8



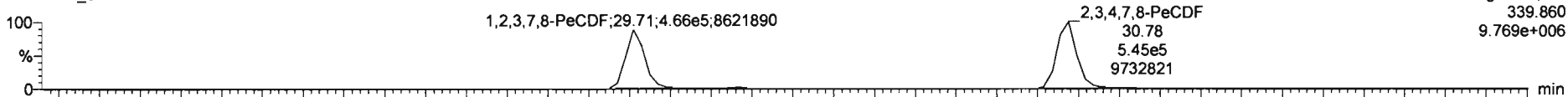
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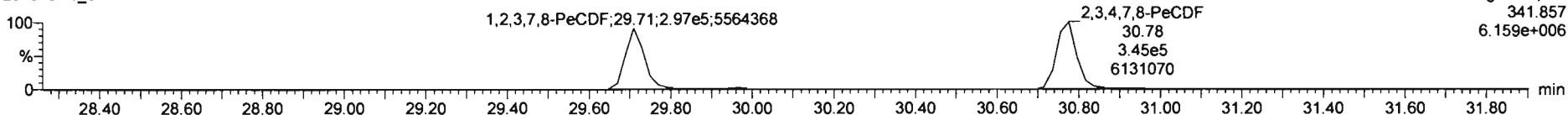
1,2,3,7,8-PeCDF

201020R1_8



F2:Voltage SIR,El+
339.860
9.769e+006

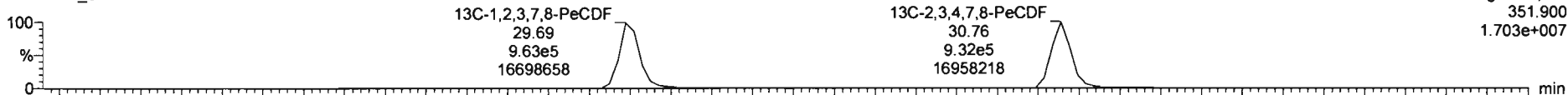
201020R1_8



F2:Voltage SIR,El+
341.857
6.159e+006

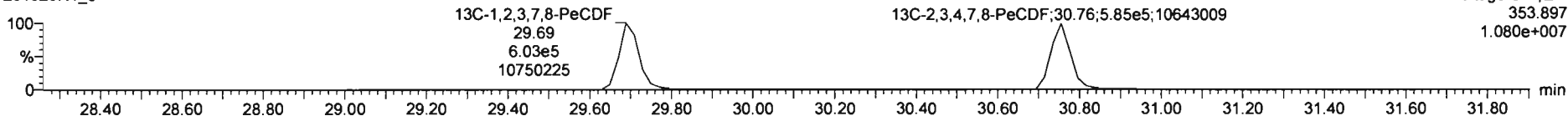
13C-1,2,3,7,8-PeCDF

201020R1_8



F2:Voltage SIR,El+
351.900
1.703e+007

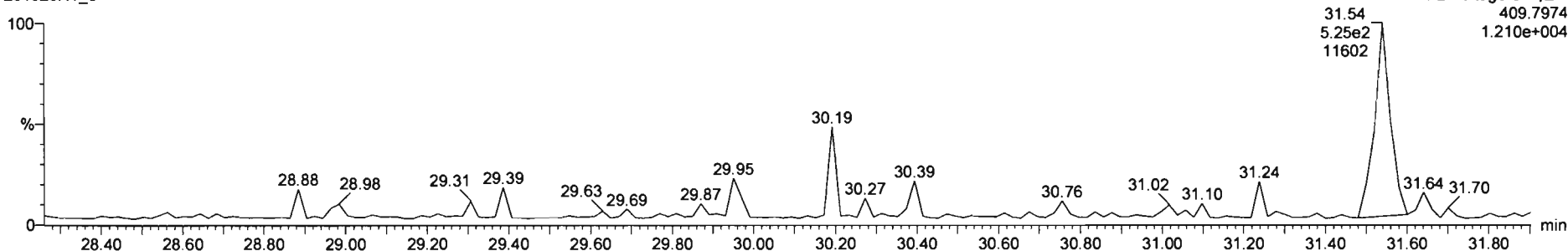
201020R1_8



F2:Voltage SIR,El+
353.897
1.080e+007

DPE2

201020R1_8



F2:Voltage SIR,El+
409.7974
1.210e+004

Dataset: Untitled

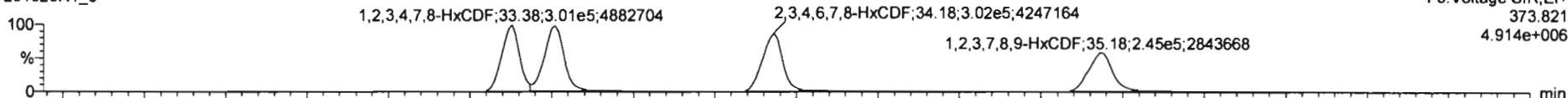
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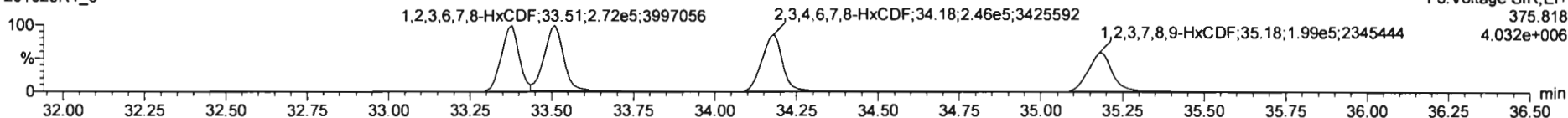
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1,2,3,4,7,8-HxCDF

201020R1_8

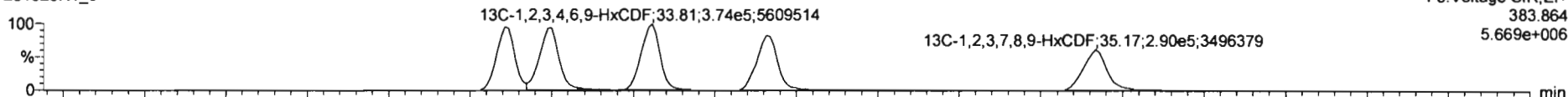


201020R1_8

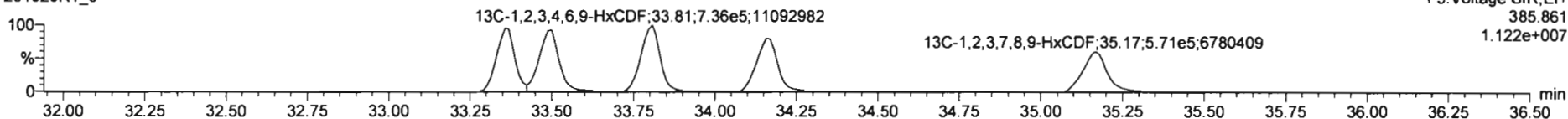


13C-1,2,3,4,7,8-HxCDF

201020R1_8

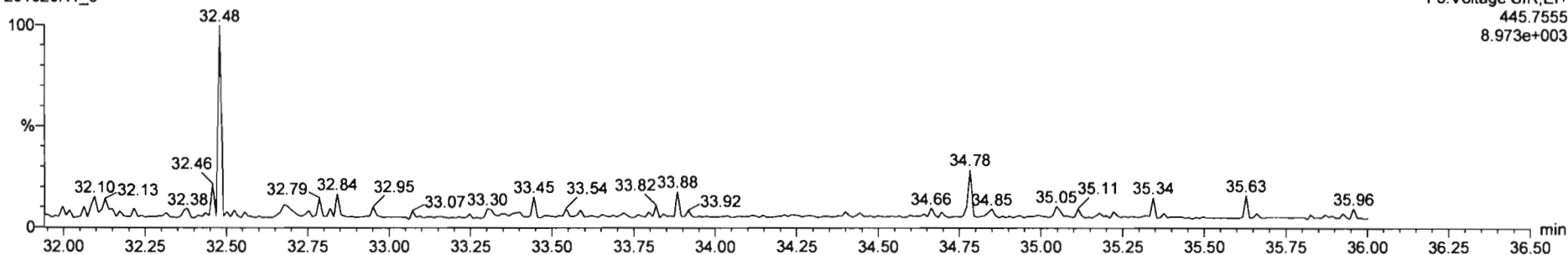


201020R1_8



DPE3

201020R1_8



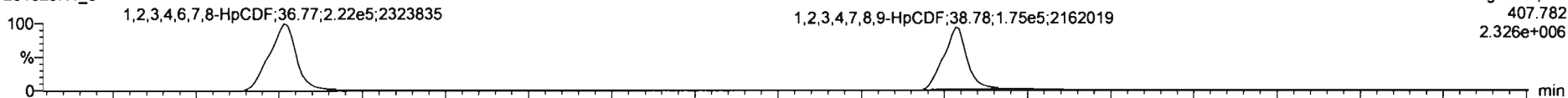
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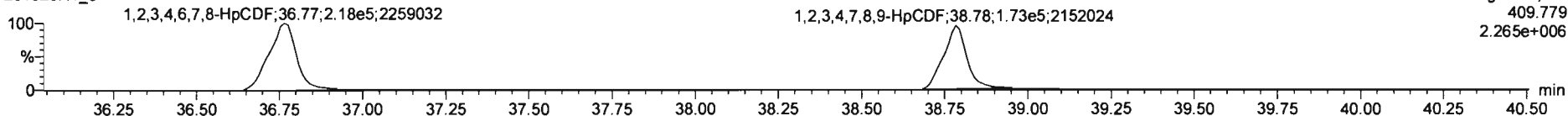
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1,2,3,4,6,7,8-HpCDF

201020R1_8

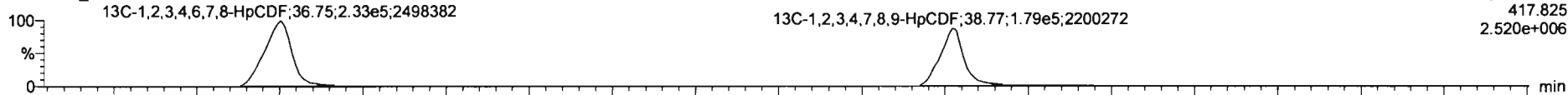


201020R1_8

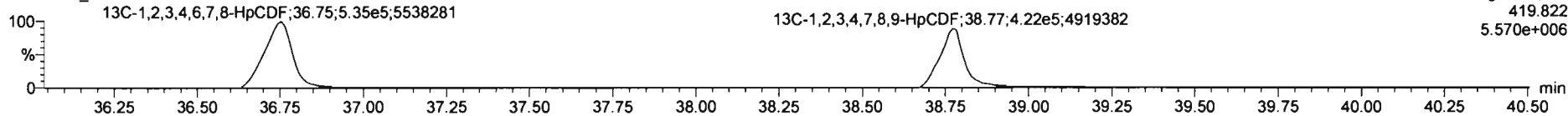


13C-1,2,3,4,6,7,8-HpCDF

201020R1_8

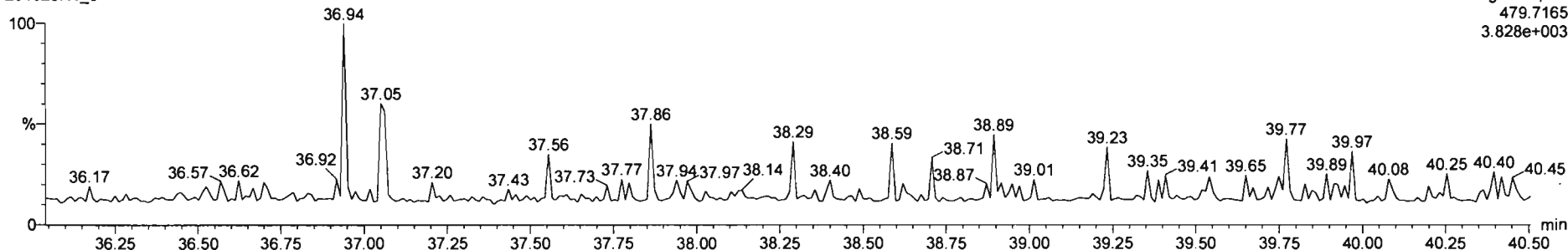


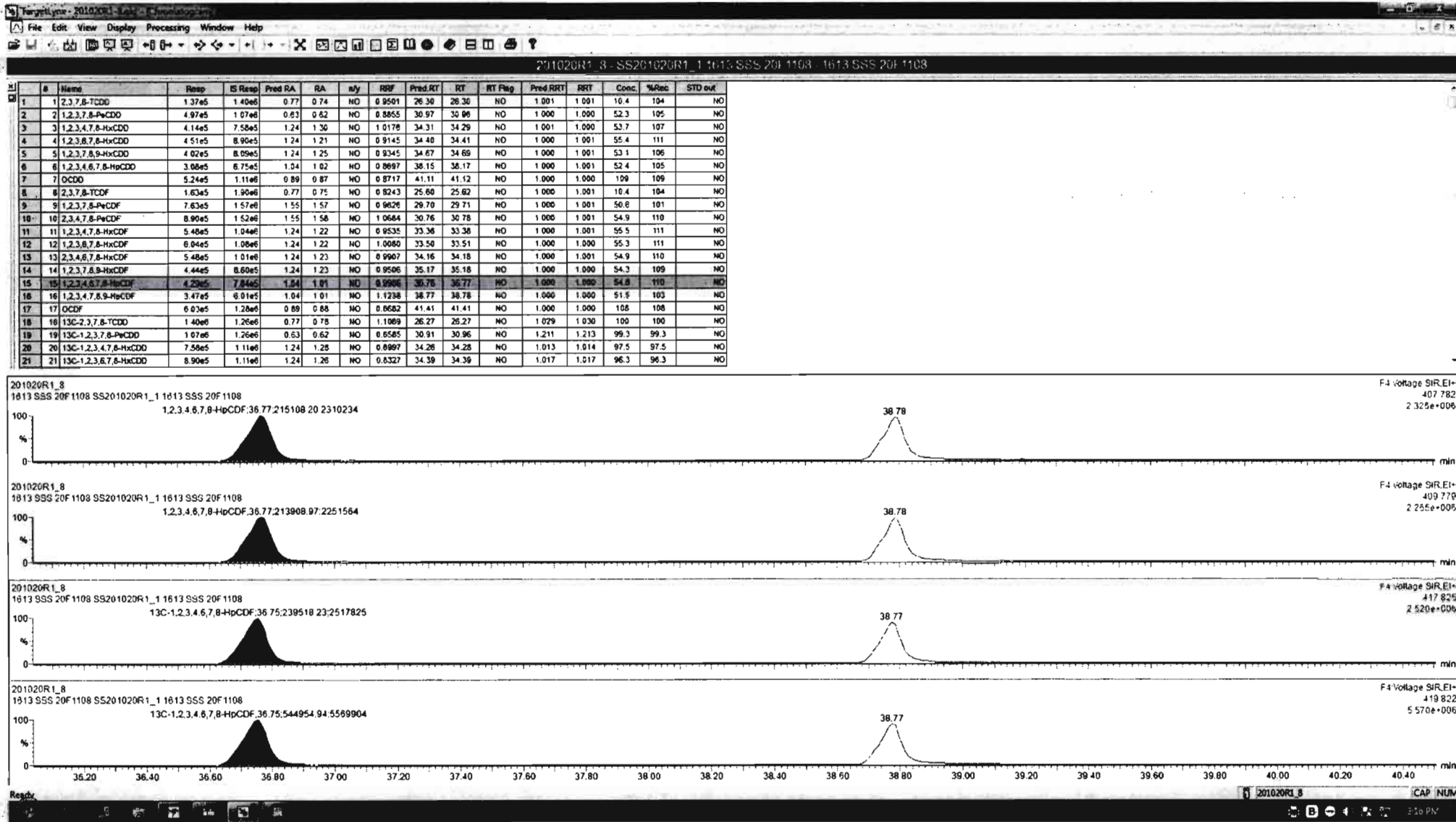
201020R1_8



DPE4

201020R1_8





Dataset: Untitled

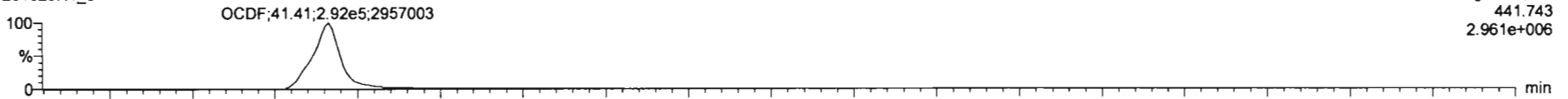
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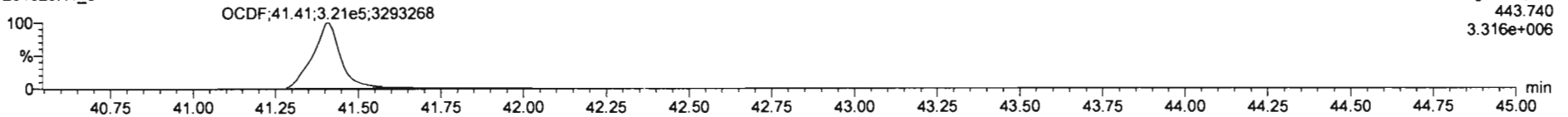
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OCDF

201020R1_8

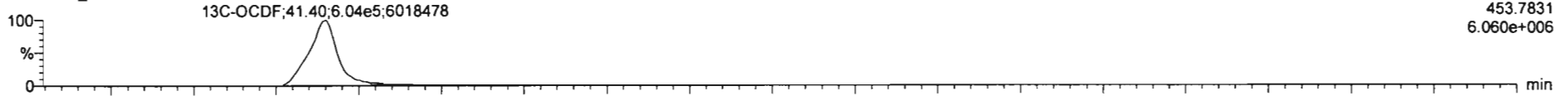


201020R1_8

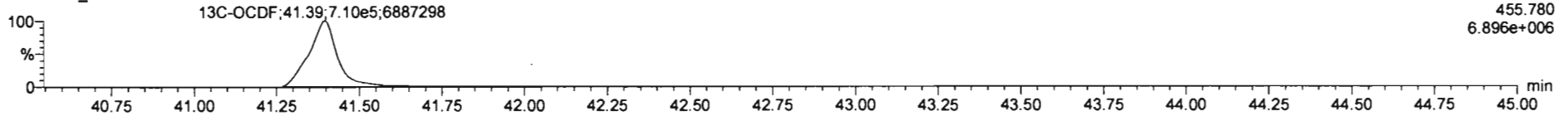


13C-OCDF

201020R1_8

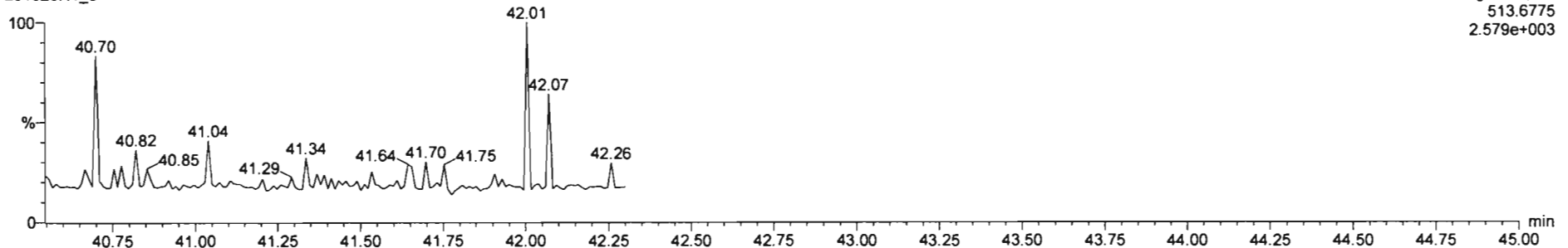


201020R1_8

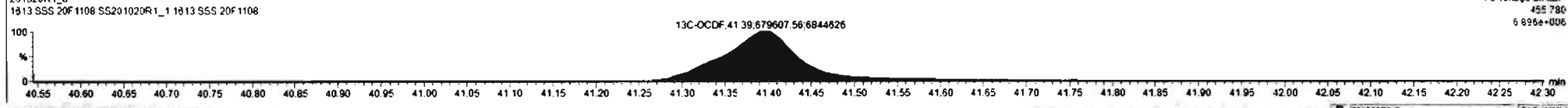
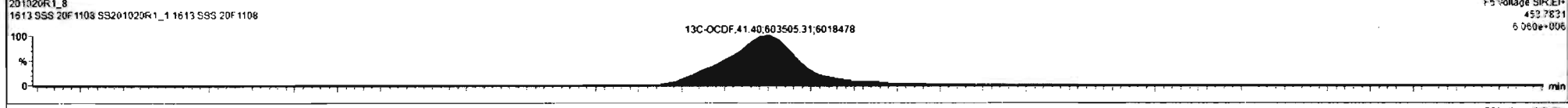
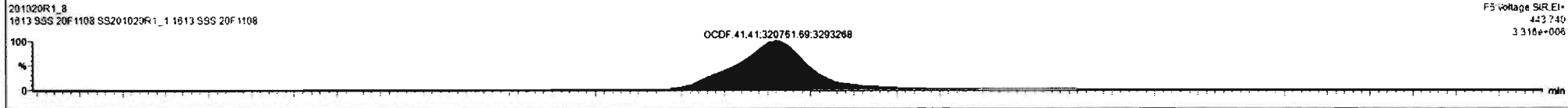
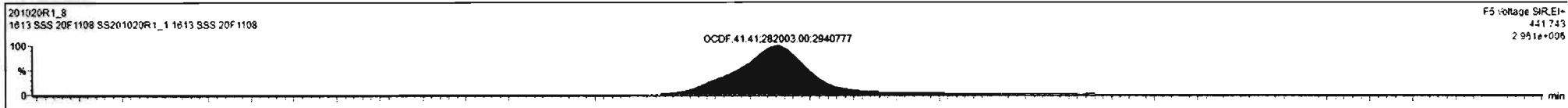


DPE5

201020R1_8



#	Name	Resp	IS Resp	Pred RA	RA	aly	RPF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc.	%Rec	STD out
1	1,2,3,7,8-TCDD	1.37e5	1.40e6	0.77	0.74	NO	0.9501	26.30	26.30	NO	1.001	1.001	16.4	104	NO
2	1,2,3,7,8-PeCDD	4.97e5	1.07e6	0.63	0.62	NO	0.8855	30.97	30.96	NO	1.000	1.000	52.3	105	NO
3	1,2,3,4,7,8-HxCDD	4.14e5	7.58e5	1.24	1.30	NO	1.0178	34.31	34.29	NO	1.001	1.000	53.7	107	NO
4	1,2,3,6,7,8-HxCDD	4.51e5	8.90e5	1.24	1.21	NO	0.9145	34.40	34.41	NO	1.000	1.001	55.4	111	NO
5	1,2,3,7,8,9-HxCDD	4.02e5	8.09e5	1.24	1.25	NO	0.9345	34.67	34.69	NO	1.000	1.001	53.1	106	NO
6	1,2,3,4,6,7,8-HpCDD	3.08e5	6.75e5	1.04	1.02	NO	0.8697	38.15	38.17	NO	1.000	1.001	52.4	105	NO
7	OCDF	5.24e5	1.11e6	0.89	0.87	NO	0.8717	41.11	41.12	NO	1.000	1.000	109	109	NO
8	1,2,3,7,8-TCDF	1.63e5	1.90e6	0.77	0.75	NO	0.8243	25.88	25.62	NO	1.000	1.001	10.4	104	NO
9	1,2,3,7,8-PeCDF	7.63e5	1.57e6	1.55	1.57	NO	0.9826	29.70	29.71	NO	1.000	1.001	50.6	101	NO
10	1,2,3,4,7,8-PeCDF	8.90e5	1.52e6	1.55	1.58	NO	1.0684	30.76	30.78	NO	1.000	1.001	54.9	110	NO
11	1,2,3,4,7,8-HxCDF	5.48e5	1.04e6	1.24	1.22	NO	0.9535	33.36	33.38	NO	1.000	1.001	55.5	111	NO
12	1,2,3,6,7,8-HxCDF	6.04e5	1.08e6	1.24	1.22	NO	1.0080	33.50	33.51	NO	1.000	1.000	55.3	111	NO
13	1,2,3,4,6,7,8-HxCDF	5.48e5	1.01e6	1.24	1.23	NO	0.9907	34.16	34.18	NO	1.000	1.001	54.9	110	NO
14	1,2,3,7,8,9-HxCDF	4.44e5	8.60e5	1.24	1.23	NO	0.9506	35.17	35.18	NO	1.000	1.000	54.3	109	NO
15	1,2,3,4,6,7,8-HpCDF	4.29e5	7.84e5	1.04	1.01	NO	0.9086	36.76	36.77	NO	1.000	1.000	54.8	110	NO
16	1,2,3,4,7,8,9-HpCDF	3.47e5	6.91e5	1.04	1.01	NO	1.1238	38.77	38.78	NO	1.000	1.000	51.5	103	NO
17	OCDF	8.85e5	1.28e6	0.89	0.88	NO	0.8852	41.41	41.41	NO	1.000	1.000	108	108	NO
18	13C-1,2,3,7,8-TCDD	1.40e6	1.26e6	0.77	0.78	NO	1.1089	26.27	26.27	NO	1.029	1.030	100	100	NO
19	13C-1,2,3,7,8-PeCDD	1.07e6	1.26e6	0.63	0.62	NO	0.8585	30.91	30.96	NO	1.211	1.213	96.3	99.3	NO
20	13C-1,2,3,4,7,8-HxCDD	7.58e5	1.11e6	1.24	1.26	NO	0.8997	34.26	34.28	NO	1.013	1.014	97.5	97.5	NO
21	13C-1,2,3,6,7,8-HxCDD	6.90e5	1.11e6	1.24	1.26	NO	0.8327	34.39	34.39	NO	1.017	1.017	96.3	96.3	NO



Dataset: Untitled

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Name: 201020R1_8, Date: 20-Oct-2020, Time: 14:29:33, ID: SS201020R1_1 1613 SSS 20F1108, Description: 1613 SSS 20F1108

