

November 10, 2020

**Vista Work Order No. 2002132**

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 08, 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](mailto: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. 2002132**

### **Case Narrative**

#### **Sample Condition on Receipt:**

One sediment sample was received and stored securely in accordance with Vista standard operating procedures and EPA methodology. The sample was received in good condition and within the method temperature requirements. The sample was received in a clear glass jar.

#### **Analytical Notes:**

##### **EPA Method 1613B**

This sample was extracted and analyzed for tetra-through-octa chlorinated dioxins and furans by EPA Method 1613B using a ZB-DIOXIN GC column.

##### Holding Times

The sample was extracted and analyzed within the method hold times.

##### Quality Control

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

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

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

##### **EPA Method 1668A**

The sample was extracted and analyzed for 209 PCB congeners by EPA Method 1668A using a ZB-1 GC column.

##### Holding Times

The sample was 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 limit 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.

## TABLE OF CONTENTS

Case Narrative.....	1
Table of Contents.....	4
Sample Inventory.....	5
Analytical Results.....	6
Qualifiers.....	20
Certifications.....	21
Sample Receipt.....	24
Extraction Information.....	27
Sample Data - EPA Method 1613.....	38
Sample Data - EPA Method 1668A.....	105
Continuing Calibration.....	250
Initial Calibration.....	406

# Sample Inventory Report

<b>Vista Sample ID</b>	<b>Client Sample ID</b>	<b>Sampled</b>	<b>Received</b>	<b>Components/Containers</b>
2002132-01	USMPDI-055SG-201006	06-Oct-20 15:56	08-Oct-20 09:57	Clear Glass Jar, 120mL

## **ANALYTICAL RESULTS**

Sample ID: Method Blank					EPA Method 1613B			
Matrix: Solid Sample Size: 10.0 g		QC Batch: B0J0169 Date Extracted: 19-Oct-2020 8:44		Lab Sample: B0J0169-BLK1 Date Analyzed: 05-Nov-20 18:29 Column: ZB-DIOXIN				
Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0312			IS 13C-2,3,7,8-TCDD	77.5	25 - 164	
1,2,3,7,8-PeCDD	ND	0.0472			13C-1,2,3,7,8-PeCDD	78.9	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.0640			13C-1,2,3,4,7,8-HxCDD	80.0	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.0657			13C-1,2,3,6,7,8-HxCDD	84.1	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.0751			13C-1,2,3,7,8,9-HxCDD	84.0	32 - 141	
1,2,3,4,6,7,8-HpCDD	ND	0.0834			13C-1,2,3,4,6,7,8-HpCDD	79.8	23 - 140	
OCDD	ND	0.176			13C-OCDD	73.2	17 - 157	
2,3,7,8-TCDF	ND	0.0229			13C-2,3,7,8-TCDF	79.7	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0240			13C-1,2,3,7,8-PeCDF	85.9	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0219			13C-2,3,4,7,8-PeCDF	84.6	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0350			13C-1,2,3,4,7,8-HxCDF	76.3	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0320			13C-1,2,3,6,7,8-HxCDF	78.3	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0360			13C-2,3,4,6,7,8-HxCDF	76.9	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.0568			13C-1,2,3,7,8,9-HxCDF	75.6	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.0581			13C-1,2,3,4,6,7,8-HpCDF	70.3	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0604			13C-1,2,3,4,7,8,9-HpCDF	68.1	26 - 138	
OCDF	ND	0.111			13C-OCDF	65.7	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	100	35 - 197	
					<b>Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)</b>			
					TEQMinWHO2005Dioxin 0.00			
<b>TOTALS</b>								
Total TCDD	ND	0.0312						
Total PeCDD	ND	0.0472						
Total HxCDD	ND	0.0751						
Total HpCDD	ND	0.0834						
Total TCDF	ND	0.0229						
Total PeCDF	ND	0.0240						
Total HxCDF	ND	0.0568						
Total HpCDF	ND	0.0604						

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

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

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

Sample ID: OPR					EPA Method 1613B		
Matrix: Solid Sample Size: 10.0 g		QC Batch: B0J0169 Date Extracted: 19-Oct-2020 8:44		Lab Sample: B0J0169-BS1 Date Analyzed: 05-Nov-20 16:14 Column: ZB-DIOXIN			
Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
2,3,7,8-TCDD	19.7	20.0	98.5	67 - 158	IS 13C-2,3,7,8-TCDD	64.0	20 - 175
1,2,3,7,8-PeCDD	106	100	106	70 - 142	13C-1,2,3,7,8-PeCDD	67.1	21 - 227
1,2,3,4,7,8-HxCDD	104	100	104	70 - 164	13C-1,2,3,4,7,8-HxCDD	70.6	21 - 193
1,2,3,6,7,8-HxCDD	100	100	100	76 - 134	13C-1,2,3,6,7,8-HxCDD	72.7	25 - 163
1,2,3,7,8,9-HxCDD	100	100	100	64 - 162	13C-1,2,3,7,8,9-HxCDD	73.5	21 - 193
1,2,3,4,6,7,8-HpCDD	102	100	102	70 - 140	13C-1,2,3,4,6,7,8-HpCDD	74.0	26 - 166
OCDD	198	200	99.0	78 - 144	13C-OCDD	63.6	13 - 199
2,3,7,8-TCDF	19.2	20.0	96.1	75 - 158	13C-2,3,7,8-TCDF	63.1	22 - 152
1,2,3,7,8-PeCDF	101	100	101	80 - 134	13C-1,2,3,7,8-PeCDF	69.8	21 - 192
2,3,4,7,8-PeCDF	101	100	101	68 - 160	13C-2,3,4,7,8-PeCDF	69.4	13 - 328
1,2,3,4,7,8-HxCDF	101	100	101	72 - 134	13C-1,2,3,4,7,8-HxCDF	65.8	19 - 202
1,2,3,6,7,8-HxCDF	99.3	100	99.3	84 - 130	13C-1,2,3,6,7,8-HxCDF	66.8	21 - 159
2,3,4,6,7,8-HxCDF	100	100	100	70 - 156	13C-2,3,4,6,7,8-HxCDF	66.2	22 - 176
1,2,3,7,8,9-HxCDF	101	100	101	78 - 130	13C-1,2,3,7,8,9-HxCDF	66.9	17 - 205
1,2,3,4,6,7,8-HpCDF	98.8	100	98.8	82 - 122	13C-1,2,3,4,6,7,8-HpCDF	62.3	21 - 158
1,2,3,4,7,8,9-HpCDF	99.2	100	99.2	78 - 138	13C-1,2,3,4,7,8,9-HpCDF	62.1	20 - 186
OCDF	197	200	98.3	63 - 170	13C-OCDF	60.1	13 - 199
					CRS 37Cl-2,3,7,8-TCDD	97.1	31 - 191

LCL-UCL - Lower control limit - upper control limit



**Sample ID: USMPDI-055SG-201006** **EPA Method 1613B**

<b>Client Data</b>	<b>Sample Data</b>	<b>Laboratory Data</b>
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2002132-01      Date Received: 08-Oct-2020 9:57
Project: GascoSiltronic: US Moorings	Sample Size: 27.7 g	QC Batch: B0J0169      Date Extracted: 19-Oct-2020 8:44
Date Collected: 06-Oct-2020 15:56	% Solids: 36.6	Date Analyzed: 08-Nov-20 15:08      Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND		0.312		IS 13C-2,3,7,8-TCDD	95.5	25 - 164	
1,2,3,7,8-PeCDD	0.735			J	13C-1,2,3,7,8-PeCDD	93.8	25 - 181	
1,2,3,4,7,8-HxCDD	0.921			J	13C-1,2,3,4,7,8-HxCDD	95.1	32 - 141	
1,2,3,6,7,8-HxCDD	3.85				13C-1,2,3,6,7,8-HxCDD	94.1	28 - 130	
1,2,3,7,8,9-HxCDD	1.97			J	13C-1,2,3,7,8,9-HxCDD	95.5	32 - 141	
1,2,3,4,6,7,8-HpCDD	116				13C-1,2,3,4,6,7,8-HpCDD	89.5	23 - 140	
OCDD	1150				13C-OCDD	80.0	17 - 157	
2,3,7,8-TCDF	9.59				13C-2,3,7,8-TCDF	101	24 - 169	
1,2,3,7,8-PeCDF	12.1				13C-1,2,3,7,8-PeCDF	102	24 - 185	
2,3,4,7,8-PeCDF	6.35				13C-2,3,4,7,8-PeCDF	102	21 - 178	
1,2,3,4,7,8-HxCDF	21.2				13C-1,2,3,4,7,8-HxCDF	89.3	26 - 152	
1,2,3,6,7,8-HxCDF	4.87				13C-1,2,3,6,7,8-HxCDF	86.8	26 - 123	
2,3,4,6,7,8-HxCDF	1.93			J	13C-2,3,4,6,7,8-HxCDF	88.3	28 - 136	
1,2,3,7,8,9-HxCDF	1.44			J	13C-1,2,3,7,8,9-HxCDF	91.4	29 - 147	
1,2,3,4,6,7,8-HpCDF	17.8				13C-1,2,3,4,6,7,8-HpCDF	80.2	28 - 143	
1,2,3,4,7,8,9-HpCDF	3.96				13C-1,2,3,4,7,8,9-HpCDF	79.8	26 - 138	
OCDF	47.0				13C-OCDF	70.8	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	111	35 - 197	

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

TEQMinWHO2005Dioxin      9.32

<b>TOTALS</b>		
Total TCDD	4.45	4.91
Total PeCDD	6.16	7.52
Total HxCDD	46.3	
Total HpCDD	356	
Total TCDF	28.6	32.0
Total PeCDF	40.5	
Total HxCDF	54.0	
Total HpCDF	57.8	

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

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

**Sample ID: Method Blank**

**EPA Method 1668A**

Matrix: Solid	QC Batch: B0J0186	Lab Sample: B0J0186-BLK1
Sample Size: 5.00 g	Date Extracted: 20-Oct-2020 8:46	Date Analyzed: 26-Oct-20 12:33 Column: ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	0.433			PCB-44	ND	0.617		
PCB-2	ND	0.411			PCB-45	ND	0.628		
PCB-3	ND	0.424			PCB-46	ND	0.649		
PCB-4/10	ND	2.00			PCB-47	ND	0.551		
PCB-5/8	ND	1.52			PCB-48/75	ND	0.454		
PCB-6	ND	1.47			PCB-50	ND	0.523		
PCB-7/9	ND	1.57			PCB-51	ND	0.506		
PCB-11	ND	1.35			PCB-52/69	ND	0.462		
PCB-12/13	ND	1.48			PCB-53	ND	0.541		
PCB-14	ND	1.49			PCB-54	ND	0.426		
PCB-15	ND	1.47			PCB-55	ND	0.389		
PCB-16/32	ND	0.785			PCB-56/60	ND	0.446		
PCB-17	ND	0.958			PCB-57	ND	0.376		
PCB-18	ND	0.888			PCB-58	ND	0.363		
PCB-19	ND	0.970			PCB-61/70	ND	0.415		
PCB-20/21/33	ND	0.658			PCB-62	ND	0.451		
PCB-22	ND	0.636			PCB-63	ND	0.408		
PCB-23	ND	0.701			PCB-65	ND	0.396		
PCB-24/27	ND	0.671			PCB-66/76	ND	0.376		
PCB-25	ND	0.652			PCB-67	ND	0.404		
PCB-26	ND	0.656			PCB-68	ND	0.398		
PCB-28	ND	0.604			PCB-73	ND	0.374		
PCB-29	ND	0.693			PCB-74	ND	0.369		
PCB-30	ND	0.598			PCB-77	ND	0.434		
PCB-31	ND	0.597			PCB-78	ND	0.418		
PCB-34	ND	0.655			PCB-79	ND	0.399		
PCB-35	ND	0.681			PCB-80	ND	0.383		
PCB-36	ND	0.661			PCB-81	ND	0.454		
PCB-37	ND	0.705			PCB-82	ND	0.720		
PCB-38	ND	0.676			PCB-83	ND	0.416		
PCB-39	ND	0.720			PCB-84/92	ND	0.657		
PCB-40	ND	0.844			PCB-85/116	ND	0.540		
PCB-41/64/71/72	ND	0.428			PCB-86	ND	0.681		
PCB-42/59	ND	0.484			PCB-87/117/125	ND	0.488		
PCB-43/49	ND	0.531			PCB-88/91	ND	0.640		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.  
individual congeners for qualifiers.

See

**Sample ID: Method Blank**

**EPA Method 1668A**

Matrix: Solid	QC Batch: B0J0186	Lab Sample: B0J0186-BLK1
Sample Size: 5.00 g	Date Extracted: 20-Oct-2020 8:46	Date Analyzed: 26-Oct-20 12:33 Column: ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	0.605			PCB-137	ND	0.387		
PCB-90/101	ND	0.596			PCB-138/163/164	ND	0.325		
PCB-93	ND	0.729			PCB-139/149	ND		0.731	
PCB-94	ND	0.718			PCB-140	ND	0.574		
PCB-95/98/102	ND	0.566			PCB-141	ND	0.419		
PCB-96	ND	0.454			PCB-142	ND	0.462		
PCB-97	ND	0.594			PCB-144	ND	0.577		
PCB-99	ND	0.506			PCB-145	ND	0.383		
PCB-100	ND	0.549			PCB-146/165	ND	0.343		
PCB-103	ND	0.559			PCB-147	ND	0.546		
PCB-104	ND	0.466			PCB-148	ND	0.541		
PCB-105	ND	0.402			PCB-150	ND	0.421		
PCB-106/118	ND	0.447			PCB-151	ND	0.579		
PCB-107/109	ND	0.419			PCB-152	ND	0.384		
PCB-108/112	ND	0.527			PCB-153	ND	0.325		
PCB-110	ND	0.437			PCB-154	ND	0.496		
PCB-111/115	ND	0.398			PCB-155	ND	0.437		
PCB-113	ND	0.442			PCB-156	ND	0.331		
PCB-114	ND	0.376			PCB-157	ND	0.355		
PCB-119	ND	0.422			PCB-158/160	ND	0.336		
PCB-120	ND	0.380			PCB-159	ND	0.280		
PCB-121	ND	0.399			PCB-166	ND	0.298		
PCB-122	ND	0.454			PCB-167	ND	0.312		
PCB-123	ND	0.469			PCB-168	ND	0.323		
PCB-124	ND	0.402			PCB-169	ND	0.353		
PCB-126	ND	0.398			PCB-170	ND	0.561		
PCB-127	ND	0.387			PCB-171	ND	0.524		
PCB-128/162	ND	0.375			PCB-172	ND	0.501		
PCB-129	ND	0.481			PCB-173	ND	0.579		
PCB-130	ND	0.486			PCB-174	ND	0.509		
PCB-131/133	ND	0.424			PCB-175	ND	0.479		
PCB-132/161	ND	0.340			PCB-176	ND	0.350		
PCB-134/143	ND	0.459			PCB-177	ND	0.540		
PCB-135	ND	0.494			PCB-178	ND	0.486		
PCB-136	ND	0.446			PCB-179	ND	0.353		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.  
individual congeners for qualifiers.

See

**Sample ID: Method Blank**

**EPA Method 1668A**

Matrix: Solid	QC Batch: B0J0186	Lab Sample: B0J0186-BLK1
Sample Size: 5.00 g	Date Extracted: 20-Oct-2020 8:46	Date Analyzed: 26-Oct-20 12:33 Column: ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	ND	0.488			Total octaCB	ND		0.673	
PCB-181	ND	0.468			Total nonaCB	ND		0.455	
PCB-182/187	ND	0.430			DecaCB	ND		0.606	
PCB-183	ND	0.448			Total PCB	ND			
PCB-184	ND	0.372							
PCB-185	ND	0.490							
PCB-186	ND	0.345							
PCB-188	ND	0.355							
PCB-189	ND	0.381							
PCB-190	ND	0.425							
PCB-191	ND	0.403							
PCB-192	ND	0.377							
PCB-193	ND	0.411							
PCB-194	ND		0.673						
PCB-195	ND	0.382							
PCB-196/203	ND	0.430							
PCB-197	ND	0.318							
PCB-198	ND	0.454							
PCB-199	ND	0.445							
PCB-200	ND	0.337							
PCB-201	ND	0.342							
PCB-202	ND	0.309							
PCB-204	ND	0.316							
PCB-205	ND	0.309							
PCB-206	ND	0.455							
PCB-207	ND	0.331							
PCB-208	ND	0.325							
PCB-209	ND	0.606							
Total monoCB	ND	0.433							
Total diCB	ND	2.00							
Total triCB	ND	0.970							
Total tetraCB	ND	0.844							
Total pentaCB	ND	0.729							
Total hexaCB	ND		0.731						
Total heptaCB	ND	0.579							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.  
individual congeners for qualifiers.

See

**Sample ID: Method Blank**

**EPA Method 1668A**

Matrix: Solid	QC Batch: B0J0186	Lab Sample: B0J0186-BLK1
Sample Size: 5.00 g	Date Extracted: 20-Oct-2020 8:46	Date Analyzed: 26-Oct-20 12:33 Column: ZB-1

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	56.9	15 - 150		13C-PCB-157	86.2	25 - 150	
13C-PCB-3	59.8	15 - 150		13C-PCB-159	89.5	25 - 150	
13C-PCB-4	76.3	25 - 150		13C-PCB-167	87.2	25 - 150	
13C-PCB-11	80.6	25 - 150		13C-PCB-169	83.3	25 - 150	
13C-PCB-9	78.2	25 - 150		13C-PCB-170	88.1	25 - 150	
13C-PCB-19	67.7	25 - 150		13C-PCB-180	89.7	25 - 150	
13C-PCB-28	81.2	25 - 150		13C-PCB-188	90.6	25 - 150	
13C-PCB-32	68.6	25 - 150		13C-PCB-189	86.8	25 - 150	
13C-PCB-37	80.8	25 - 150		13C-PCB-194	88.3	25 - 150	
13C-PCB-47	88.1	25 - 150		13C-PCB-202	82.7	25 - 150	
13C-PCB-52	86.2	25 - 150		13C-PCB-206	91.0	25 - 150	
13C-PCB-54	82.7	25 - 150		13C-PCB-208	78.2	25 - 150	
13C-PCB-70	86.5	25 - 150		13C-PCB-209	121	25 - 150	
13C-PCB-77	82.9	25 - 150		CRS 13C-PCB-79	87.0	30 - 135	
13C-PCB-80	85.0	25 - 150		13C-PCB-178	82.2	30 - 135	
13C-PCB-81	85.5	25 - 150					
13C-PCB-95	88.4	25 - 150					
13C-PCB-97	89.1	25 - 150					
13C-PCB-101	87.5	25 - 150					
13C-PCB-104	87.4	25 - 150					
13C-PCB-105	102	25 - 150					
13C-PCB-114	102	25 - 150					
13C-PCB-118	85.6	25 - 150					
13C-PCB-123	89.2	25 - 150					
13C-PCB-126	93.8	25 - 150					
13C-PCB-127	102	25 - 150					
13C-PCB-138	91.6	25 - 150					
13C-PCB-141	90.7	25 - 150					
13C-PCB-153	92.4	25 - 150					
13C-PCB-155	75.2	25 - 150					
13C-PCB-156	86.4	25 - 150					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.  
individual congeners for qualifiers.

See

**Sample ID: OPR**

**EPA Method 1668A**

Matrix: Solid  
Sample Size: 5.00 g

QC Batch: B0J0186  
Date Extracted: 20-Oct-2020 8:46

Lab Sample: B0J0186-BS1  
Date Analyzed: 26-Oct-20 10:33 Column: ZB-1

Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
PCB-1	1160	1000	116	50 - 150	IS 13C-PCB-1	59.8	15 - 140
PCB-3	1160	1000	116	50 - 150	IS 13C-PCB-3	61.6	15 - 140
PCB-4/10	2480	2000	124	50 - 150	IS 13C-PCB-4	77.2	30 - 140
PCB-15	1240	1000	124	50 - 150	IS 13C-PCB-11	81.6	30 - 140
PCB-19	1090	1000	109	50 - 150	IS 13C-PCB-9	78.7	30 - 140
PCB-37	1280	1000	128	50 - 150	IS 13C-PCB-19	68.5	30 - 140
PCB-54	1160	1000	116	50 - 150	IS 13C-PCB-28	84.8	30 - 140
PCB-77	1110	1000	111	50 - 150	IS 13C-PCB-32	68.9	30 - 140
PCB-81	1100	1000	110	50 - 150	IS 13C-PCB-37	87.1	30 - 140
PCB-104	1120	1000	112	50 - 150	IS 13C-PCB-47	87.6	30 - 140
PCB-105	1180	1000	118	50 - 150	IS 13C-PCB-52	86.4	30 - 140
PCB-106/118	2260	2000	113	50 - 150	IS 13C-PCB-54	82.8	30 - 140
PCB-114	1190	1000	119	50 - 150	IS 13C-PCB-70	88.5	30 - 140
PCB-123	1110	1000	111	50 - 150	IS 13C-PCB-77	89.1	30 - 140
PCB-126	1210	1000	121	50 - 150	IS 13C-PCB-80	88.8	30 - 140
PCB-155	1120	1000	112	50 - 150	IS 13C-PCB-81	89.8	30 - 140
PCB-156	1120	1000	112	50 - 150	IS 13C-PCB-95	90.1	30 - 140
PCB-157	1120	1000	112	50 - 150	IS 13C-PCB-97	95.5	30 - 140
PCB-167	1150	1000	115	50 - 150	IS 13C-PCB-101	92.3	30 - 140
PCB-169	1130	1000	113	50 - 150	IS 13C-PCB-104	90.4	30 - 140
PCB-188	1090	1000	109	50 - 150	IS 13C-PCB-105	110	30 - 140
PCB-189	1100	1000	110	50 - 150	IS 13C-PCB-114	109	30 - 140
PCB-202	1040	1000	104	50 - 150	IS 13C-PCB-118	91.7	30 - 140
PCB-205	1150	1000	115	50 - 150	IS 13C-PCB-123	93.6	30 - 140
PCB-206	1120	1000	112	50 - 150	IS 13C-PCB-126	101	30 - 140
PCB-208	1130	1000	113	50 - 150	IS 13C-PCB-127	113	30 - 140
PCB-209	1080	1000	108	50 - 150	IS 13C-PCB-138	92.6	30 - 140
					IS 13C-PCB-141	91.1	30 - 140
					IS 13C-PCB-153	93.7	30 - 140
					IS 13C-PCB-155	79.3	30 - 140
					IS 13C-PCB-156	90.2	30 - 140
					IS 13C-PCB-157	88.4	30 - 140
					IS 13C-PCB-159	90.5	30 - 140
					IS 13C-PCB-167	88.8	30 - 140
					IS 13C-PCB-169	85.5	30 - 140
					IS 13C-PCB-170	92.4	30 - 140
					IS 13C-PCB-180	93.3	30 - 140
					IS 13C-PCB-188	97.2	30 - 140
					IS 13C-PCB-189	85.1	30 - 140
					IS 13C-PCB-194	95.3	30 - 140

**Sample ID: OPR**

**EPA Method 1668A**

Matrix: Solid  
Sample Size: 5.00 g

QC Batch: B0J0186  
Date Extracted: 20-Oct-2020 8:46

Lab Sample: B0J0186-BS1  
Date Analyzed: 26-Oct-20 10:33 Column: ZB-1

Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
					IS 13C-PCB-202	89.7	30 - 140
					IS 13C-PCB-206	96.3	30 - 140
					IS 13C-PCB-208	81.4	30 - 140
					IS 13C-PCB-209	125	30 - 140
					CRS 13C-PCB-79	94.9	25 - 125
					CRS 13C-PCB-178	86.6	25 - 125

LCL-UCL - Lower control limit - upper control limit

**Sample ID: USMPDI-055SG-201006**

**EPA Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2002132-01	Date Received:	08-Oct-2020 9:57
Project:	GascoSiltronic: US Moorings	Sample Size:	13.8 g	QC Batch:	B0J0186	Date Extracted:	20-Oct-2020 8:46
Date Collected:	06-Oct-2020 15:56	% Solids:	36.6	Date Analyzed :	27-Oct-20 03:46 Column: ZB-1		

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	3.69			J	PCB-44	93.0			
PCB-2	7.05				PCB-45	11.8			
PCB-3	3.59			J	PCB-46	5.96			
PCB-4/10	12.6				PCB-47	59.0			
PCB-5/8	21.2				PCB-48/75	15.5			
PCB-6	6.10				PCB-50	ND		0.640	
PCB-7/9	ND	0.803			PCB-51	11.8			
PCB-11	32.5				PCB-52/69	130			
PCB-12/13	3.68			J	PCB-53	19.8			
PCB-14	ND	0.803			PCB-54	2.81			J
PCB-15	21.6				PCB-55	1.64			J
PCB-16/32	24.8				PCB-56/60	67.7			
PCB-17	20.4				PCB-57	ND		0.733	
PCB-18	36.8				PCB-58	ND		0.759	
PCB-19	11.9				PCB-61/70	145			
PCB-20/21/33	37.5				PCB-62	ND	0.442		
PCB-22	22.6				PCB-63	5.27			
PCB-23	ND	0.746			PCB-65	ND	0.389		
PCB-24/27	4.12			J	PCB-66/76	114			
PCB-25	10.7				PCB-67	3.16			J
PCB-26	13.7				PCB-68	1.97			J
PCB-28	76.3				PCB-73	ND		0.848	
PCB-29	ND	0.738			PCB-74	51.8			
PCB-30	ND	0.591			PCB-77	13.6			
PCB-31	65.1				PCB-78	ND	0.359		
PCB-34	ND	0.696			PCB-79	ND		2.41	
PCB-35	ND	0.640			PCB-80	ND	0.336		
PCB-36	ND	0.621			PCB-81	ND		0.371	
PCB-37	24.1				PCB-82	23.5			
PCB-38	ND	0.635			PCB-83	ND	0.403		
PCB-39	ND	0.676			PCB-84/92	98.5			
PCB-40	19.5				PCB-85/116	31.6			
PCB-41/64/71/72	80.6				PCB-86	ND	0.660		
PCB-42/59	30.7				PCB-87/117/125	63.7			
PCB-43/49	102				PCB-88/91	36.0			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.  
See individual congeners for qualifiers.



**Sample ID: USMPDI-055SG-201006**

**EPA Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2002132-01	Date Received:	08-Oct-2020 9:57
Project:	GascoSiltronic: US Moorings	Sample Size:	13.8 g	QC Batch:	B0J0186	Date Extracted:	20-Oct-2020 8:46
Date Collected:	06-Oct-2020 15:56	% Solids:	36.6	Date Analyzed :	27-Oct-20 03:46 Column: ZB-1		

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	2.23			J	PCB-137	9.98			
PCB-90/101	254				PCB-138/163/164	289			
PCB-93	3.79			J	PCB-139/149	210			
PCB-94	ND		1.52		PCB-140	3.23			J
PCB-95/98/102	145				PCB-141	55.2			
PCB-96	1.98			J	PCB-142	ND	0.516		
PCB-97	56.8				PCB-144	ND		11.9	
PCB-99	103				PCB-145	ND	0.481		
PCB-100	5.68				PCB-146/165	56.8			
PCB-103	6.86				PCB-147	9.09			
PCB-104	ND	0.484			PCB-148	ND		1.62	
PCB-105	77.0				PCB-150	1.10			J
PCB-106/118	191				PCB-151	ND		69.2	
PCB-107/109	16.6				PCB-152	ND	0.482		
PCB-108/112	9.63			J	PCB-153	284			
PCB-110	210				PCB-154	ND		8.91	
PCB-111/115	3.91			J	PCB-155	ND	0.547		
PCB-113	ND	0.430			PCB-156	25.3			
PCB-114	4.45			J	PCB-157	5.30			
PCB-119	8.15				PCB-158/160	27.5			
PCB-120	ND		0.834		PCB-159	ND	0.315		
PCB-121	ND	0.392			PCB-166	0.975			J
PCB-122	2.46			J	PCB-167	10.8			
PCB-123	2.74			J	PCB-168	ND	0.361		
PCB-124	7.25				PCB-169	ND	0.370		
PCB-126	ND		1.02		PCB-170	90.4			
PCB-127	ND	0.373			PCB-171	24.7			
PCB-128/162	38.8				PCB-172	15.5			
PCB-129	10.9				PCB-173	2.19			J
PCB-130	20.9				PCB-174	92.0			
PCB-131/133	11.1				PCB-175	ND		3.38	
PCB-132/161	71.0				PCB-176	11.6			
PCB-134/143	14.4				PCB-177	60.2			
PCB-135	34.4				PCB-178	21.9			
PCB-136	45.4				PCB-179	41.1			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.  
See individual congeners for qualifiers.

**Sample ID: USMPDI-055SG-201006**

**EPA Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2002132-01	Date Received:	08-Oct-2020 9:57
Project:	GascoSiltronic: US Moorings	Sample Size:	13.8 g	QC Batch:	B0J0186	Date Extracted:	20-Oct-2020 8:46
Date Collected:	06-Oct-2020 15:56	% Solids:	36.6	Date Analyzed :	27-Oct-20 03:46	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	206				Total octaCB	221		223	
PCB-181	2.33			J	Total nonaCB	42.4		46.8	
PCB-182/187	126				DecaCB	49.4			
PCB-183	50.8				Total PCB	5140			
PCB-184	0.576			J					
PCB-185	ND		10.6						
PCB-186	ND	0.361							
PCB-188	ND	0.372							
PCB-189	3.49			J					
PCB-190	18.7								
PCB-191	3.18			J					
PCB-192	ND	0.381							
PCB-193	11.4								
PCB-194	52.4								
PCB-195	21.9								
PCB-196/203	61.5								
PCB-197	2.01			J					
PCB-198	ND		2.12						
PCB-199	54.2								
PCB-200	7.53								
PCB-201	8.95								
PCB-202	10.9								
PCB-204	ND	0.532							
PCB-205	1.81			J					
PCB-206	31.8								
PCB-207	ND		4.46						
PCB-208	10.6								
PCB-209	49.4								
Total monoCB	14.3								
Total diCB	97.6								
Total triCB	348								
Total tetraCB	986		992						
Total pentaCB	1370								
Total hexaCB	1240		1330						
Total heptaCB	782		796						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.  
See individual congeners for qualifiers.

**Sample ID: USMPDI-055SG-201006**

**EPA Method 1668A**

<b>Client Data</b>		<b>Sample Data</b>		<b>Laboratory Data</b>	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2002132-01
Project:	GascoSiltronic: US Moorings	Sample Size:	13.8 g	Date Received:	08-Oct-2020 9:57
Date Collected:	06-Oct-2020 15:56	% Solids:	36.6	QC Batch:	B0J0186
				Date Analyzed :	27-Oct-20 03:46 Column: ZB-1
Date Received:				Date Extracted:	20-Oct-2020 8:46

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	52.2	15 -150		13C-PCB-170	84.5	25 -150	
13C-PCB-3	53.2	15 -150		13C-PCB-180	85.3	25 -150	
13C-PCB-4	69.4	25 -150		13C-PCB-188	80.1	25 -150	
13C-PCB-11	76.5	25 -150		13C-PCB-189	81.3	25 -150	
13C-PCB-9	74.9	25 -150		13C-PCB-194	85.5	25 -150	
13C-PCB-19	59.9	25 -150		13C-PCB-202	79.0	25 -150	
13C-PCB-28	78.0	25 -150		13C-PCB-206	89.5	25 -150	
13C-PCB-32	62.4	25 -150		13C-PCB-208	70.9	25 -150	
13C-PCB-37	81.9	25 -150		13C-PCB-209	119	25 -150	
13C-PCB-47	80.2	25 -150		CRS 13C-PCB-79	87.4	30 -135	
13C-PCB-52	78.3	25 -150		13C-PCB-178	76.0	30 -135	
13C-PCB-54	74.1	25 -150					
13C-PCB-70	80.5	25 -150					
13C-PCB-77	82.8	25 -150					
13C-PCB-80	81.6	25 -150					
13C-PCB-81	81.6	25 -150					
13C-PCB-95	82.3	25 -150					
13C-PCB-97	86.5	25 -150					
13C-PCB-101	84.3	25 -150					
13C-PCB-104	80.4	25 -150					
13C-PCB-105	99.7	25 -150					
13C-PCB-114	102	25 -150					
13C-PCB-118	83.2	25 -150					
13C-PCB-123	85.7	25 -150					
13C-PCB-126	95.8	25 -150					
13C-PCB-127	103	25 -150					
13C-PCB-138	79.8	25 -150					
13C-PCB-141	82.5	25 -150					
13C-PCB-153	83.3	25 -150					
13C-PCB-155	80.8	25 -150					
13C-PCB-156	81.6	25 -150					
13C-PCB-157	81.0	25 -150					
13C-PCB-159	80.8	25 -150					
13C-PCB-167	81.2	25 -150					
13C-PCB-169	80.3	25 -150					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.  
See individual congeners for qualifiers.

## 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**

2002132 4.8°C

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

**Project:** GascoSiltronic: US Moorings  
**Client:** NW Natural

**COC ID:** VISTA-20201006-165822  
**Sample Custodian:** dp, ns, sl  
**Lab:** VISTA

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected		Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
				Date	Time						
001	USMPDI-055SG-201006	N	SE	10/06/2020	15:56	1	<input type="checkbox"/>				
								Dioxin/Furans	E1613B	30	4°C
								PCB Congeners	E1668A	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C

Comment:					
Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature:	Signature:	Signature:	Signature:	Signature:	Signature:
Print Name: D. Peterson	Print Name: R. Kormanow	Print Name: William R. Wright	Print Name: William R. Wright	Print Name:	Print Name:
Company: ALP	Company: APTEX	Company:	Company: VAL	Company:	Company:
Date/Time: 10.7.20 0735	Date/Time: 10/7/20 7:35	Date/Time:	Date/Time: 10/8/20 9:57	Date/Time:	Date/Time:



# Sample Log-In Checklist

 Page # 1 of 1

 Vista Work Order #: <sup>14A</sup> ~~2002129~~ 2002132 TAT Std

Samples Arrival:	Date/Time <u>10/8/20 9:57</u>		Initials: <u>CRW</u>		Location: <u>WR-2</u>		
	Shelf/Rack: <u>NA</u>						
Delivered By:	<input checked="" type="checkbox"/> FedEx	<input type="checkbox"/> UPS	<input type="checkbox"/> On Trac	<input type="checkbox"/> GLS	<input type="checkbox"/> DHL	<input type="checkbox"/> Hand Delivered	<input type="checkbox"/> Other
Preservation:	<input checked="" type="checkbox"/> Ice		<input type="checkbox"/> Blue Ice		<input type="checkbox"/> Techni Ice	<input type="checkbox"/> Dry Ice	<input type="checkbox"/> None
Temp °C: <u>4.8</u> (uncorrected)	Probe used: Y / <input checked="" type="checkbox"/> N			Thermometer ID: <u>TK-3</u>			
Temp °C: <u>4.8</u> (corrected)							

	YES	NO	NA
Shipping Container(s) Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Custody Seals Intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Airbill <u>-</u> Trk # <u>7717 3799 6536</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Container	<input checked="" type="checkbox"/> Vista	<input type="checkbox"/> Client	<input type="checkbox"/> Retain
Chain of Custody / Sample Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chain of Custody / Sample Documentation Complete?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Holding Time Acceptable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Logged In:	Date/Time <u>10/10/20 10:15 14A</u> <u>08:59</u>		Initials: <u>KA</u>		Location: <u>WR-2</u>		
	Shelf/Rack: <u>D-5</u>						
COC Anomaly/Sample Acceptance Form completed?				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

Comments:

10/10/20

# CoC/Label Reconciliation Report WO# 2002132

LabNumber	CoC Sample ID	SampleAlias	Sample Date/Time	Container	BaseMatrix	Sample Comments
2002132-01	A USMPDI-055SG-201006		06-Oct-20 15:56	Clear Glass Jar, 120mL	Solid	<del>Drop</del> 10/12/20

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

	Yes	No	NA
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Adequate Sample Volume?	✓		
Container Type Appropriate for Analysis(es)		✓	
Preservation Documented: Na2S2O3 Trizma None Other		✓	✓
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓

Comments: A Incorrect container-type.

Verified by/Date: 162 10/10/20

## **EXTRACTION INFORMATION**

Process Sheet  
Workorder: **2002132**

Prep Expiration: 2021-10-06  
Client: Anchor QEA, LLC

Workorder Due: **05-Nov-20 00:00**

TAT: 28

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

Prep Batch: B050169

Prep Data Entered: IM 10/25/20  
Date and Initials

Initial Sequence: SJK0014

LabSampleID	Recon	ClientSampleID	Date Received	Location	Comments
2002132-01	<input checked="" type="checkbox"/>	USMPDI-055SG-201006	08-Oct-20 09:57	WR-2 D-5	

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

Pre-Prep Check Out: DG 10/13/20

Prep Check Out: DG 10/19/20

Prep Reconciled Initials/Date: DG 10/13/20

Pre-Prep Check In: DG 10/13/20

Prep Check In: DG 10/19/20

Spike Reconciled Initials/Date: IM 10/19/20

VialBoxID: B00!

PREPARATION BENCH SHEET

Matrix: Solid

B0J0169

Chemist: DG

Method: 1613 Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 19-Oct-20 08:44

Sox	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	Column Packer:	IM 10/21/20	EM 10/25/20	EM 10/25/20	EM 10/25/20	RS CHEM/WIT DATE
					CRS/PS CHEM/WIT DATE	AP CHEM/ DATE	ABSG CHEM/ DATE	AA CHEM/ DATE	Florasil CHEM/ DATE	
A1	B0J0169-BLK1	NA	(10.00)	EM IM 10/19/20	IM EM 10/21/20	IM 10/21/20	EM 10/25/20	EM 10/25/20	EM 10/25/20	EM IM 10/25/20
A2	B0J0169-BS1	↓	(10.00)			↓				
A3	2002132-01	27.33	27.70			N/A	Brown/yellow/black			
A4	2002157-01	23.23	23.37				Brown/yellow			
A5	2002157-02	25.55	25.63							
A6	2002157-03	27.27	27.57							
A7	2002157-04	27.05	27.28							
A8	2002157-05	27.57	27.68							
A9	2002157-06	26.33	26.46				Brown/yellow/black			
A10	2002157-07	21.00	21.07			IM 10/21/20				
A11	2002171-01	28.55	28.84			N/A	Brown/yellow			
A12	2002171-02	26.85	27.07							
B1	2002171-03	28.49	28.52							
B2	2002171-04	26.77	26.90							
B3	2002171-05	28.94	29.13							

IS: 20F1101, 10ML (V4)	Cycle Time	APP: SEFUN SOX (SDS)	Check Out: DG 10/19/20	Soxhlet Siphoned Chemist/Date:	Notes: A was unable to remove all of residue from sides of mundbottom for ABSG EM 10/25/20
NS: 20F0107, 10ML (V4)	Start Date/Time	SOLV: TDI	Check In: DG 10/19/20	IM 10/19/20	
PS/CRS: 20E0701, 10g (V2)	10/19/20 0402	Other: N/A	Balance ID: HRMS-8	Vial Transfer Chemist/Date:	
RS: 20E0702, 10ML (V1)	Stop Date/Time 10/20/20	Final Volume(s) 20ML C14		EM 10/25/20	
Diox/F PCB PAH PEST PBDE HCB					

Comments:

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

PREPARATION BENCH SHEET

Matrix: Solid

B0J0169

Chemist: DG

Method: 1613 Full List

Prep Date/Time: 19-Oct-20 08:44

Prepared using: HRMS - Soxhlet

Sox	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	Column Packer: <sup>IM 10/21/20</sup>					
					CRS/PS CHEM/WIT DATE	AP CHEM/DATE	ABSG CHEM/DATE	AA CHEM/DATE	Florisil CHEM/DATE	RS CHEM/WIT DATE
B4	2002171-06	27.79	27.94	YUM IM 10/19/20	IM YUM 10/21/20	N/A	YUM 10/25/20	YUM 10/25/20	YUM 10/25/20	YUM IM 10/25/20
B5	2002171-07	26.00	26.20	↓	↓	↓	↓ BROWN / YELLOW / BLACK	↓	↓	↓

IS: 20F1101, 10 ML (V4)	Cycle Time	APP: SEFUN SOX (SDS)	Check Out: DG 10/19/20	Soxhlet Siphoned Chemist/Date: IM 10/19/20	Notes: (A) was unable to remove residue from sides of roundbottom for ABSG YUM 10/25/20 (B) Brown, yellow YUM 10/25/20
NS: 20F0107, 10 ML (V4)	Start Date/Time	SOLV: TDI	Check In: DG 10/19/20	Vial Transfer Chemist/Date: YUM 10/25/20	
PS/CRS: 20E0701, 10 μL (V2)	10/19/20 0402	Other: N/A	Balance ID: HRMS-8		
RS: 20E0702, 10 ML (V1)	Stop Date/Time 10/20/20	Final Volume(s) 20 ML C14			
Diox/F/PCB PAH PEST PBDE HCB					

Comments:

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

Batch: B0J0169

Matrix: Solid

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
2002132-01	27.7 ✓	36.59491	10.1368	20 ✓	19-Oct-20 08:44 ✓	EMM ✓			Sediment	1613 Full List
2002157-01	23.37 ✓	43.04348	10.0593	20	19-Oct-20 08:44	EMM			Sediment	1613 Full List
2002157-02	25.63 ✓	39.14082	10.0318	20	19-Oct-20 08:44	EMM			Sediment	1613 Full List
2002157-03	27.57 ✓	36.67426	10.1111	20	19-Oct-20 08:44	EMM			Sediment	1613 Full List
2002157-04	27.28 ✓	36.97271	10.0862	20	19-Oct-20 08:44	EMM			Sediment	1613 Full List
2002157-05	27.68 ✓	36.26834	10.0391	20	19-Oct-20 08:44	EMM			Sediment	1613 Full List
2002157-06	26.46 ✓	37.9845	10.0507	20	19-Oct-20 08:44	EMM			Sediment	1613 Full List
2002157-07	21.07 ✓	47.61905	10.0333	20	19-Oct-20 08:44	EMM			Sediment	1613 Full List
2002171-01	28.84 ✓	35.0211	10.1001	20	19-Oct-20 08:44	EMM			Sediment	1613 Full List
2002171-02	27.07 ✓	37.25056	10.0837	20	19-Oct-20 08:44	EMM			Sediment	1613 Full List
2002171-03	28.52 ✓	35.10204	10.0111	20	19-Oct-20 08:44	EMM			Sediment	1613 Full List
2002171-04	26.9 ✓	37.3494	10.0470	20	19-Oct-20 08:44	EMM			Sediment	1613 Full List
2002171-05	29.13 ✓	34.55883	10.0670	20	19-Oct-20 08:44	EMM			Sediment	1613 Full List
2002171-06	27.94 ✓	35.98553	10.0544	20	19-Oct-20 08:44	EMM			Sediment	1613 Full List
2002171-07	26.2 ✓	38.46154	10.0769	20	19-Oct-20 08:44	EMM			Sediment	1613 Full List
<b>B0J0169-BLK1</b>	10 ✓			20 ✓	19-Oct-20 08:44	EMM				QC
<b>B0J0169-BS1</b>	10 ✓			20 ✓	19-Oct-20 08:44 ✓	EMM ✓	20F0107 ✓	10 ✓		QC

All bolded data on report verified against written benchsheet by (initial/date) IM 10/25/20

Percent Moisture/ Percent Solids

D2216-90

BATCH ID B0J0119

Analyst: DG ✓	Test Code: %Moist/%Solids	Data Entry Verified by: (Initial and Date) <i>JM 10/14/20</i>
Analyte: Dried at 110°C +/- 5°C	Units: %	
Oven ID: 01 (02) ✓		

Date/Time IN: 10/13/20 1314 ✓      Date/Time OUT: 10/14/20 0803 ✓

Inst HRMS-09 ✓

Particle Size	SampID	SampType	Initial and Date:		Wet Pan and Sample Weight (g)	Dry Pan and Sample Weight (g)	Dry Sample Weight (g)	%Solids RawVal	Visual Inspection				Sample Homogenized*	
			Pan Tare Wt. (gms)	DG 10/13/20 ✓					EM 10/14/20 ✓	DG 10/13/20 ✓	Cl-	pH Before		pH After
	2002132-01    A ✓	Sample	1.2800 ✓		6.3900 ✓	3.1500 ✓	1.8700	36.59	Sludge ✓	N/A	N/A	N/A	N/A	X ✓

\*Sample homogenized in sample container unless otherwise noted.



Percent Moisture/ Percent Solids

D2216-90

BATCH ID B0J0119

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

Inst HRMS-9

Date/Time IN:	Date/Time OUT:
10/13/20 13:14	10/14/20 09:03

	B	C	D	E	F	G	H	I	K	L	M	N	O	P
	Particle Size	SampID	SampType	Intial and Date: Pan Tare Wt. (gms)	Wet Pan and Sample Weight (g)	Dry Pan and Sample Weight (g)	Dry Sample Weight (g)	%Solids RawVal	Visual Inspection	Cl-	pH Before	pH After	Acid Added	Sample Homogenized*
		2002132-01	A	Sample 1.28	6.39	3.15			DG 10/13/20		NA			DG 10/13/20 X

\*Sample homogenized in sample container unless otherwise noted.

Process Sheet  
Workorder: 2002132

Prep Expiration: 2021-10-06  
Client: Anchor QEA, LLC

Workorder Due: 05-Nov-20 00:00

TAT: 28

Method: 1668A Full List  
Matrix: Solid  
Client Matrix: Sediment  
Also run: Percent Solids

Prep Batch: BOJ0186

Prep Data Entered: DFW 10/23/20  
Date and Initials

Initial Sequence: 50J0083

LabSampleID	Recon	ClientSampleID	Date Received	Location	Comments
2002132-01	<input checked="" type="checkbox"/>	USMPDI-055SG-201006	08-Oct-20 09:57	WR-2 D-5	

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

Pre-Prep Check Out: DG 10/13/20  
Pre-Prep Check In: DG 10/13/20

Prep Check Out: DG 10/20/20  
Prep Check In: DG 10/20/20

Prep Reconciled Initials/Date: DG 10/13/20  
Spike Reconciled Initials/Date: DFW 10/20/20  
VialBoxID: HAMBRE

PREPARATION BENCH SHEET

Matrix: Solid

B0J0186

Chemist: DG

Method: 1668A Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 20-Oct-20 08:46

Sox	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	CRS/PS CHEM/WIT DATE	AP CHEM/ DATE	ABSG CHEM/ DATE	AA CHEM/ DATE	Florisol CHEM/ DATE	RS CHEM/WIT DATE
A1	B0J0186-BLK1	NA	(5.00)	DF DG 10/22/20	DF DG 10/22/20	NA	DF 10/22/20	NA	NA	DF RP 10/22/20
A2	B0J0186-BS1	NA	(5.00)							
A3	2002114-01	8.93	9.00							
A4	2002114-02	9.31	9.62							
A5	2002114-03	8.26	8.40							
A6	2002129-01	6.94	6.99							
A7	2002129-02	11.91	12.09							
A8	2002132-01	13.66	13.76							
A9	2002157-01	11.62	12.03							
A10	2002157-02	12.77	12.84							
A11	2002157-03	13.63	13.93							
A12	2002157-04	13.52	13.66							
B1	2002157-05	13.79	13.91							
B2	2002157-06	13.16	13.38							
B3	2002157-07 (B)	10.50	10.54							

IS: 19B2601, 10ml V1	Cycle Time	APP: SEFUN SOX (SDS)	Check Out: DG 10/20/20	Soxhlet Siphoned Chemist/Date: DF 10/22/20	Notes:
NS: 19B2602, 10ml V2	Start Date/Time	SOLV: Toluene	Check In: DG 10/20/20	Vial Transfer Chemist/Date: DF 10/22/20	
PS/CRS: 19B2603, 10ml V1	10/20/20	Other: NA	Balance ID: HRMS-8		
RS: 19B2604, 10ml V2	14:40	Final Volume(s) 100ml			
Diox/F PCB PAH PEST PBDE HCB	10/21/20	Cg			

Comments: 07:00  
 1 = Sample approached dryness on rotovap  
 2 = Sample bumped on rotovap; lost < 5%  
 3 = Sample poured through Na2SO4 to remove water  
 4 = Precipitate present at Final Volume

5 = Sample homogenized in secondary container  
 6 = Sample clogged during extraction; pipetted and used Nitrogen to assist  
 7 = Soxhlet approached dryness

(B) Sample crystallized during final volume. 1:10 dilution performed. DG 10/22/20

PREPARATION BENCH SHEET

Matrix: Solid

B0J0186

Chemist: DG

Method: 1668A Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 20-Oct-20 08:46

Sox	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	CRS/PS CHEM/WIT DATE	AP CHEM/ DATE	ABSG CHEM/ DATE	AA CHEM/ DATE	Florisol CHEM/ DATE	RS CHEM/WIT DATE
B4	2002171-01	14.28	14.31	DF DG 10/21/20	DF DG 10/21/20	NA	DF 10/22/20	NA	NA	DF RD 10/22/20
B5	2002171-02	13.42	13.49							
B6	2002171-03	14.24	14.32							
B7	2002171-04	13.39	13.60							
B8	2002171-05	14.47	14.75							
B9	2002171-06	13.89	13.98							
B10	2002171-07	13.00	13.37							

⊕ Small amount (~15% of sample) bump out during rotovaps. DF 10/21/20

\* DF 10/21/20

IS: 19B2601, 10mL (V1)	Cycle Time	APP: SEFUN SOX (SDS)	Check Out: DG 10/20/20	Soxhlet Siphoned Chemist/Date:	Notes:
NS: 19B2602, 10mL (V2)	Start Date/Time	SOLV: Toluene	Check In: DG 10/20/20	DF 10/20/20	
PS/CRS: 19B2603, 10mL (V1)	10/20/20	Other: NA	Balance ID: HRMS-8	Vial Transfer Chemist/Date:	
RS: 19B2604, 10mL (V2)	1440	Final Volume(s) 100mL Cg		DF 10/21/20	
Diox/F PCB PAH PEST PBDE HCB	10/21/20 0700				

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

Batch: B0J0186

Matrix: Solid

Lat Number	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
200.114-01	9 ✓	55.97826	5.0380	100	20-Oct-20 08:46	DG			Sediment	1668A Full List
2002114-02	9.62 ✓	53.71329	5.1672	100	20-Oct-20 08:46	DG			Sediment	1668A Full List
2002114-03	8.4 ✓	66.53098	5.0846	100	20-Oct-20 08:46	DG			Sediment	1668A Full List
2002129-01	6.99 ✓	72.01426	5.0338	100	20-Oct-20 08:46	DG			Sediment	1668A Full List
2002129-02	12.09 ✓	41.98312	5.0758	100	20-Oct-20 08:46	DG			Sediment	1668A Full List
2002132-01	13.76 ✓	36.59491	5.0355	100	20-Oct-20 08:46	DG			Sediment	1668A Full List
2002157-01	12.03 ✓	43.04348	5.1781	100	20-Oct-20 08:46	DG			Sediment	1668A Full List
2002157-02	12.84 ✓	39.14082	5.0257	100	20-Oct-20 08:46	DG			Sediment	1668A Full List
2002157-03	13.93 ✓	36.67426	5.1087	100	20-Oct-20 08:46	DG			Sediment	1668A Full List
2002157-04	13.66 ✓	36.97271	5.0505	100	20-Oct-20 08:46	DG			Sediment	1668A Full List
2002157-05	13.91 ✓	36.26834	5.0449	100	20-Oct-20 08:46	DG			Sediment	1668A Full List
2002157-06	13.38 ✓	37.9845	5.0823	100	20-Oct-20 08:46	DG			Sediment	1668A Full List
2002157-07	10.54 ✓	47.61905	5.0190	100	20-Oct-20 08:46	DG			Sediment	1668A Full List
2002171-01	14.31 ✓	35.0211	5.0115	100	20-Oct-20 08:46	DG			Sediment	1668A Full List
2002171-02	13.49 ✓	37.25056	5.0251	100	20-Oct-20 08:46	DG			Sediment	1668A Full List
2002171-03	14.32 ✓	35.10204	5.0266	100	20-Oct-20 08:46	DG			Sediment	1668A Full List
2002171-04	13.6 ✓	37.3494	5.0795	100	20-Oct-20 08:46	DG			Sediment	1668A Full List
2002171-05	14.75 ✓	34.55883	5.0974	100	20-Oct-20 08:46	DG			Sediment	1668A Full List
2002171-06	13.98 ✓	35.98553	5.0308	100	20-Oct-20 08:46	DG			Sediment	1668A Full List
2002171-07	13.37 ✓	38.46154	5.1423	100	20-Oct-20 08:46	DG			Sediment	1668A Full List
<b>B0J0186-BLK1</b>	5 ✓			100	20-Oct-20 08:46	DG				QC
<b>B0J0186-BS1</b>	5 ✓			100	20-Oct-20 08:46	DG	19B2602 ✓	10 ✓		QC

All bolded data on report verified against written benchsheet by (initial/date) DF 10/23/20

SAMPLE DATA – EPA METHOD 1613

Dataset: U:\VG12.PRO\Results\201105R1\201105R1\_10.qld

Last Altered: Friday, November 06, 2020 12:36:01 Pacific Standard Time

Printed: Friday, November 06, 2020 12:38:25 Pacific Standard Time

*HN 11/06/2020*

Method: U:\VG12.PRO\MethDB\1613rrt-10-20-20.mdb 04 Nov 2020 10:00:50

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-10-20-20.cdb 20 Oct 2020 13:36:10

*CT 11/09/2020*

Name: 201105R1\_10, Date: 05-Nov-2020, Time: 18:29:35, ID: B0J0169-BLK1 Method Blank 10, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD			NO	0.950	10.000	26.230		1.001				0.0312	
2	2 1,2,3,7,8-PeCDD			NO	0.885	10.000	30.906		1.000				0.0472	
3	3 1,2,3,4,7,8-HxCDD			NO	1.02	10.000	34.252		1.001				0.0640	
4	4 1,2,3,6,7,8-HxCDD			NO	0.915	10.000	34.355		1.000				0.0657	
5	5 1,2,3,7,8,9-HxCDD			NO	0.934	10.000	34.630		1.000				0.0751	
6	6 1,2,3,4,6,7,8-HpCDD			NO	0.870	10.000	38.093		1.000				0.0834	
7	7 OCDD			NO	0.872	10.000	41.073		1.000				0.176	
8	8 2,3,7,8-TCDF			NO	0.824	10.000	25.529		1.000				0.0229	
9	9 1,2,3,7,8-PeCDF			NO	0.963	10.000	29.658		1.000				0.0240	
10	10 2,3,4,7,8-PeCDF			NO	1.07	10.000	30.715		1.000				0.0219	
11	11 1,2,3,4,7,8-HxCDF			NO	0.953	10.000	33.313		1.000				0.0350	
12	12 1,2,3,6,7,8-HxCDF			NO	1.01	10.000	33.445		1.000				0.0320	
13	13 2,3,4,6,7,8-HxCDF			NO	0.991	10.000	34.118		1.000				0.0360	
14	14 1,2,3,7,8,9-HxCDF			NO	0.951	10.000	35.113		1.000				0.0568	
15	15 1,2,3,4,6,7,8-HpCDF			NO	0.999	10.000	36.692		1.000				0.0581	
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.12	10.000	38.718		1.000				0.0604	
17	17 OCDF			NO	0.868	10.000	41.366		1.000				0.111	
18	18 13C-2,3,7,8-TCDD	1.05e6	0.80	NO	1.11	10.000	26.177	26.20	1.029	1.030	154.97	77.5	0.155	
19	19 13C-1,2,3,7,8-PeCDD	8.32e5	0.64	NO	0.859	10.000	30.799	30.90	1.211	1.215	157.89	78.9	0.294	
20	20 13C-1,2,3,4,7,8-HxCDD	5.82e5	1.28	NO	0.700	10.000	34.201	34.22	1.013	1.014	160.08	80.0	0.484	
21	21 13C-1,2,3,6,7,8-HxCDD	7.27e5	1.29	NO	0.833	10.000	34.329	34.34	1.017	1.018	168.22	84.1	0.407	
22	22 13C-1,2,3,7,8,9-HxCDD	6.64e5	1.31	NO	0.762	10.000	34.600	34.62	1.025	1.026	167.96	84.0	0.445	
23	23 13C-1,2,3,4,6,7,8-HpCDD	5.38e5	1.10	NO	0.650	10.000	38.039	38.09	1.127	1.129	159.58	79.8	0.627	
24	24 13C-OCDD	8.20e5	0.89	NO	0.539	10.000	40.972	41.07	1.214	1.217	292.90	73.2	0.738	
25	25 13C-2,3,7,8-TCDF	1.42e6	0.76	NO	0.981	10.000	25.511	25.52	1.003	1.003	159.31	79.7	0.192	
26	26 13C-1,2,3,7,8-PeCDF	1.24e6	1.55	NO	0.792	10.000	29.557	29.65	1.162	1.166	171.78	85.9	0.600	
27	27 13C-2,3,4,7,8-PeCDF	1.20e6	1.60	NO	0.778	10.000	30.610	30.72	1.204	1.208	169.16	84.6	0.611	
28	28 13C-1,2,3,4,7,8-HxCDF	7.56e5	0.51	NO	0.954	10.000	33.303	33.31	0.987	0.987	152.64	76.3	0.563	
29	29 13C-1,2,3,6,7,8-HxCDF	8.18e5	0.50	NO	1.01	10.000	33.442	33.45	0.991	0.991	156.60	78.3	0.534	
30	30 13C-2,3,4,6,7,8-HxCDF	7.36e5	0.50	NO	0.921	10.000	34.100	34.11	1.010	1.011	153.86	76.9	0.583	
31	31 13C-1,2,3,7,8,9-HxCDF	6.31e5	0.52	NO	0.803	10.000	35.099	35.11	1.040	1.040	151.19	75.6	0.669	

Dataset: U:\VG12.PRO\Results\201105R1\201105R1\_10.qld

Last Altered: Friday, November 06, 2020 12:36:01 Pacific Standard Time

Printed: Friday, November 06, 2020 12:38:25 Pacific Standard Time

Name: 201105R1\_10, Date: 05-Nov-2020, Time: 18:29:35, ID: B0J0169-BLK1 Method Blank 10, Description: Method Blank

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	5.37e5	0.43	NO	0.735	10.000	36.665	36.69	1.086	1.087	140.68	70.3	0.504	
33	33 13C-1,2,3,4,7,8,9-HpCDF	4.01e5	0.43	NO	0.568	10.000	38.650	38.72	1.145	1.147	136.20	68.1	0.653	
34	34 13C-OCDF	8.59e5	0.84	NO	0.629	10.000	41.262	41.36	1.222	1.225	262.99	65.7	0.505	
35	35 37Cl-2,3,7,8-TCDD	5.34e5			1.09	10.000	26.195	26.22	1.030	1.031	79.999	100	0.0404	
36	36 13C-1,2,3,4-TCDD	1.23e6	0.80	NO	1.00	10.000	25.430	25.43	1.000	1.000	200.00	100	0.172	
37	37 13C-1,2,3,4-TCDF	1.82e6	0.78	NO	1.00	10.000	24.130	23.95	1.000	1.000	200.00	100	0.188	
38	38 13C-1,2,3,4,6,9-HxCDF	1.04e6	0.51	NO	1.00	10.000	33.840	33.75	1.000	1.000	200.00	100	0.537	
39	39 Total Tetra-Dioxins				0.950	10.000	24.620		0.000				0.0166	
40	40 Total Penta-Dioxins				0.885	10.000	29.960		0.000				0.0190	
41	41 Total Hexa-Dioxins				0.915	10.000	33.635		0.000				0.0419	
42	42 Total Hepta-Dioxins				0.870	10.000	37.640		0.000				0.0490	
43	43 Total Tetra-Furans				0.824	10.000	23.610		0.000				0.0100	
44	44 1st Func. Penta-Furans				0.963	10.000	27.230		0.000				0.00655	
45	45 Total Penta-Furans				0.963	10.000	29.275		0.000				0.0113	
46	46 Total Hexa-Furans				0.991	10.000	33.555		0.000				0.0200	
47	47 Total Hepta-Furans				0.999	10.000	37.835		0.000				0.0338	



Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\201105R1\201105R1\_10.qld

Last Altered: Friday, November 06, 2020 12:36:01 Pacific Standard Time

Printed: Friday, November 06, 2020 12:38:25 Pacific Standard Time

Method: U:\VG12.PRO\MethDB\1613rrt-10-20-20.mdb 04 Nov 2020 10:00:50

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-10-20-20.cdb 20 Oct 2020 13:36:10

Name: 201105R1\_10, Date: 05-Nov-2020, Time: 18:29:35, ID: B0J0169-BLK1 Method Blank 10, Description: Method Blank

Tetra-Dioxins

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

Penta-Dioxins

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

Hexa-Dioxins

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

Hepta-Dioxins

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

Tetra-Furans

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

Penta-Furans function 1

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

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\201105R1\201105R1\_10.qld

Last Altered: Friday, November 06, 2020 12:36:01 Pacific Standard Time

Printed: Friday, November 06, 2020 12:38:25 Pacific Standard Time

Name: 201105R1\_10, Date: 05-Nov-2020, Time: 18:29:35, ID: B0J0169-BLK1 Method Blank 10, Description: Method Blank

**Penta-Furans**

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

**Hexa-Furans**

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

**Hepta-Furans**

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

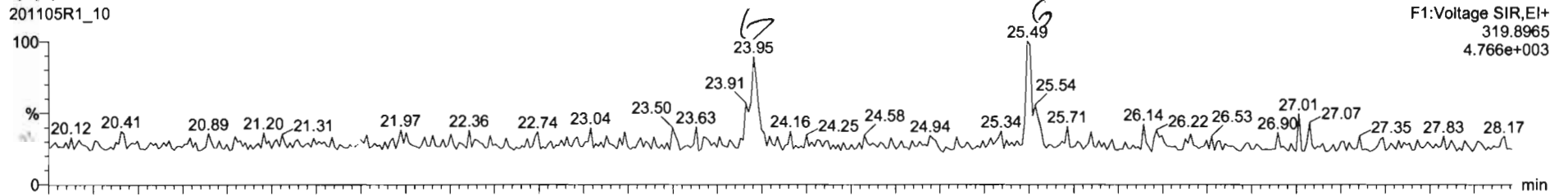
Dataset: Untitled

Last Altered: Friday, November 06, 2020 08:14:00 Pacific Standard Time  
Printed: Friday, November 06, 2020 08:14:32 Pacific Standard Time

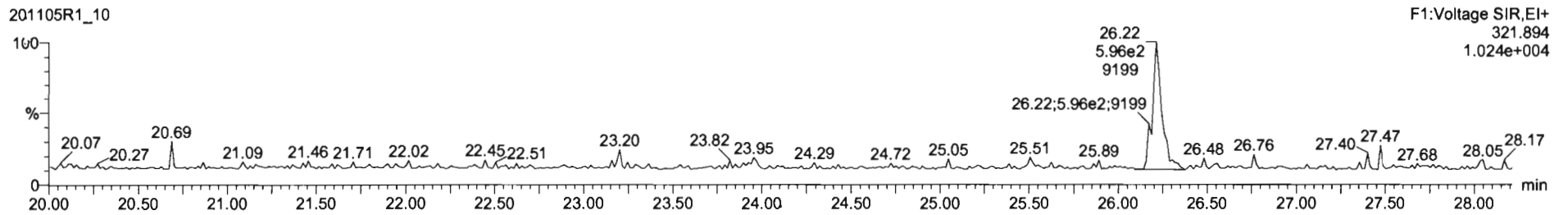
Name: 201105R1\_10, Date: 05-Nov-2020, Time: 18:29:35, ID: B0J0169-BLK1 Method Blank 10, Description: Method Blank

**2,3,7,8-TCDD**

201105R1\_10

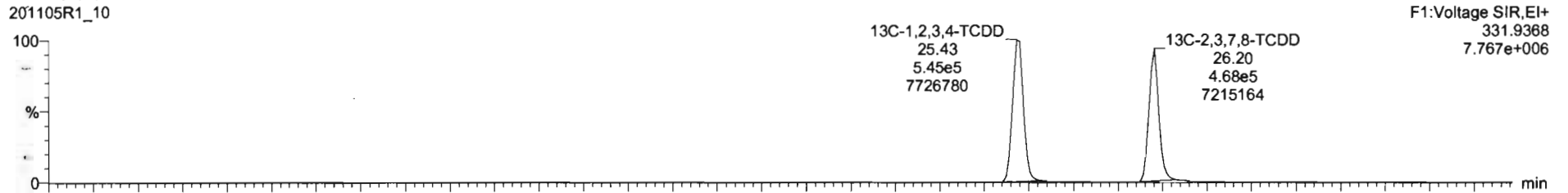


201105R1\_10

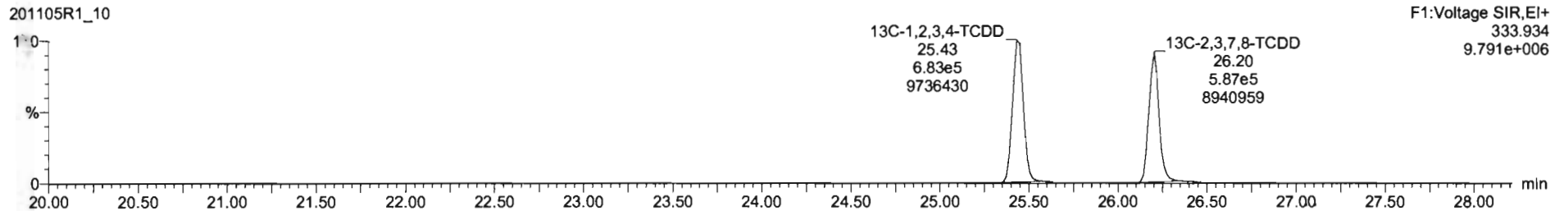


**13C-2,3,7,8-TCDD**

201105R1\_10



201105R1\_10



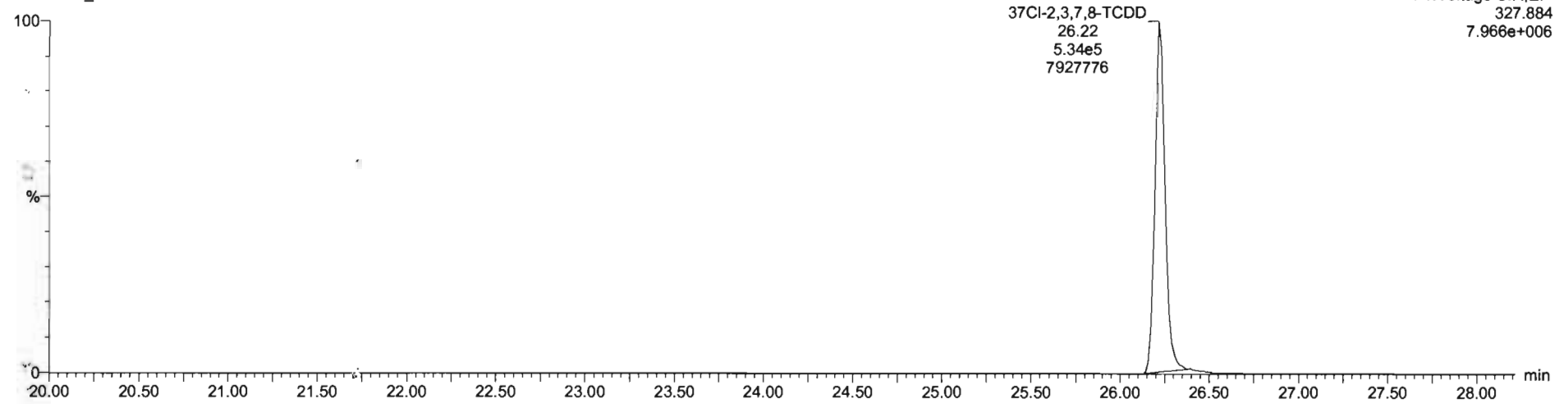
Dataset: Untitled

Last Altered: Friday, November 06, 2020 08:14:00 Pacific Standard Time  
Printed: Friday, November 06, 2020 08:14:32 Pacific Standard Time

Name: 201105R1\_10, Date: 05-Nov-2020, Time: 18:29:35, ID: B0J0169-BLK1 Method Blank 10, Description: Method Blank

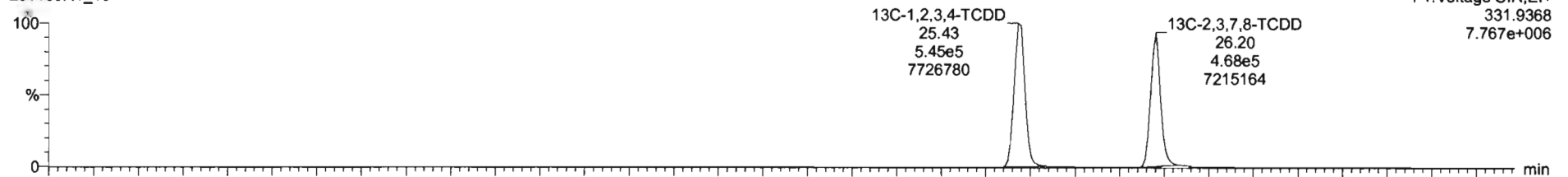
**37Cl-2,3,7,8-TCDD**

201105R1\_10

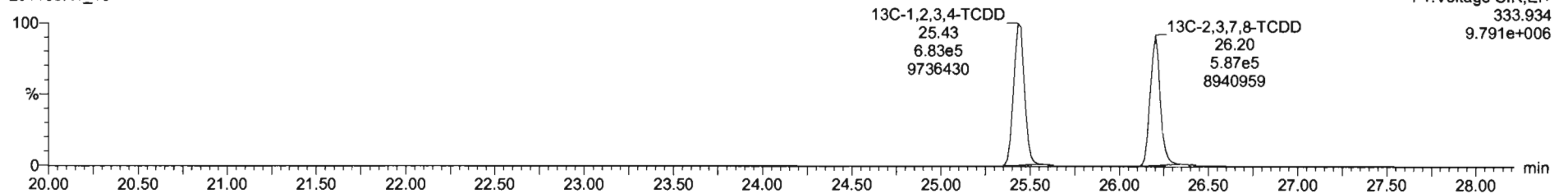


**13C-1,2,3,4-TCDD**

201105R1\_10



201105R1\_10



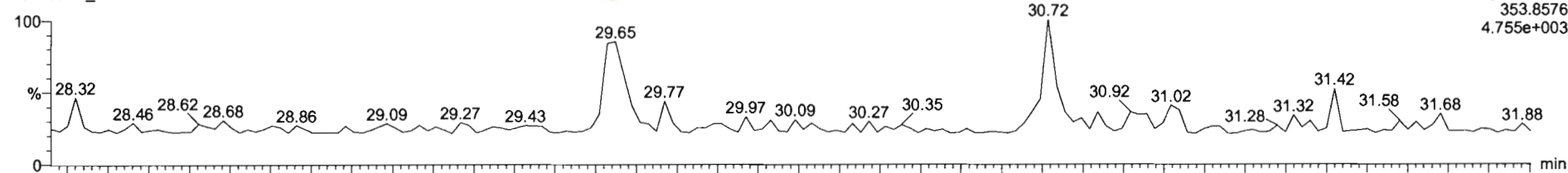
Dataset: Untitled

Last Altered: Friday, November 06, 2020 08:14:00 Pacific Standard Time  
Printed: Friday, November 06, 2020 08:14:32 Pacific Standard Time

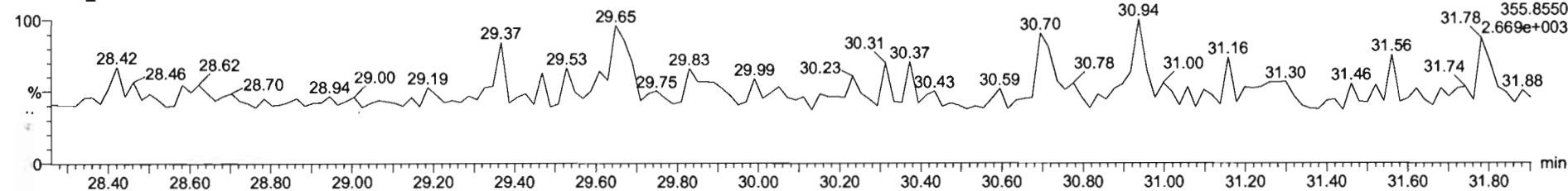
Name: 201105R1\_10, Date: 05-Nov-2020, Time: 18:29:35, ID: B0J0169-BLK1 Method Blank 10, Description: Method Blank

**1,2,3,7,8-PeCDD**

201105R1\_10

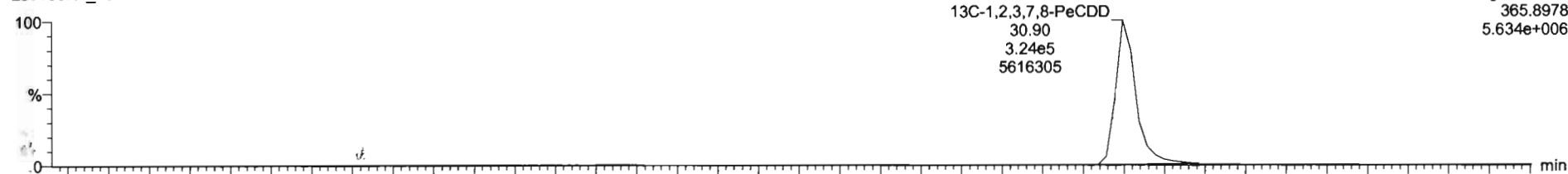


201105R1\_10

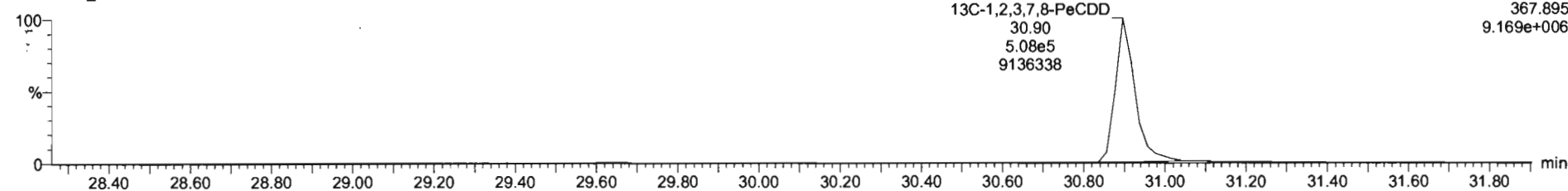


**13C-1,2,3,7,8-PeCDD**

201105R1\_10



201105R1\_10



Dataset: Untitled

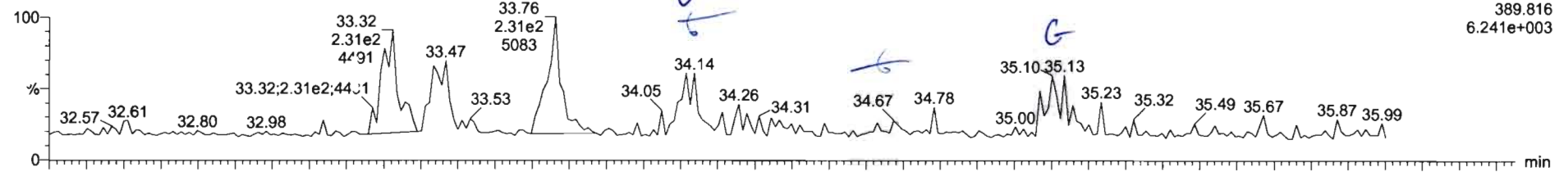
Last Altered: Friday, November 06, 2020 08:14:00 Pacific Standard Time  
Printed: Friday, November 06, 2020 08:14:32 Pacific Standard Time

HN 11/06/2020

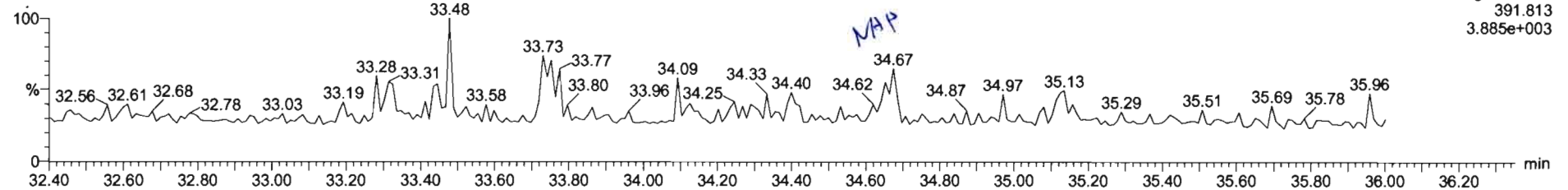
Name: 201105R1\_10, Date: 05-Nov-2020, Time: 18:29:35, ID: B0J0169-BLK1 Method Blank 10, Description: Method Blank

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

201105R1\_10

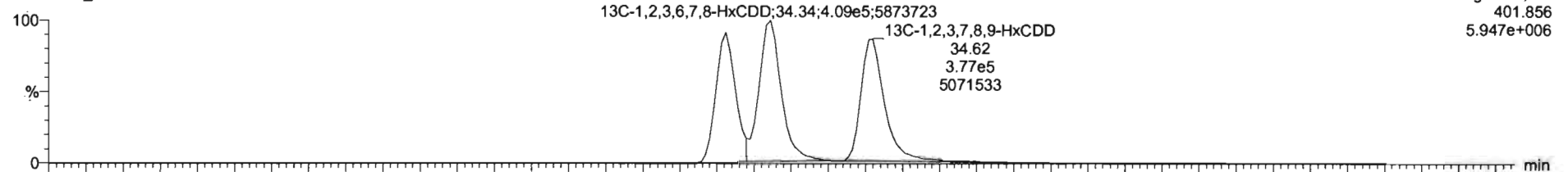


201105R1\_10

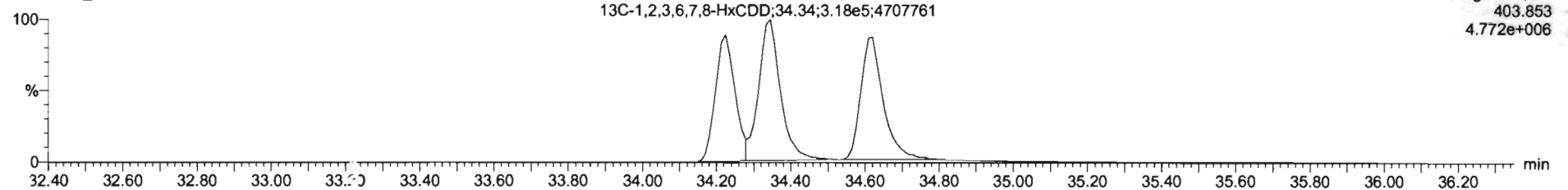


13C-1,2,3,4,7,8-HxCDD

201105R1\_10



201105R1\_10



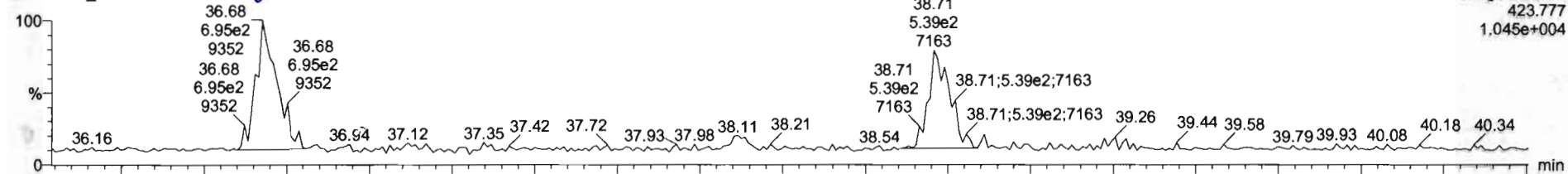
Dataset: Untitled

Last Altered: Friday, November 06, 2020 08:14:00 Pacific Standard Time  
Printed: Friday, November 06, 2020 08:14:32 Pacific Standard Time

Name: 201105R1\_10, Date: 05-Nov-2020, Time: 18:29:35, ID: B0J0169-BLK1 Method Blank 10, Description: Method Blank

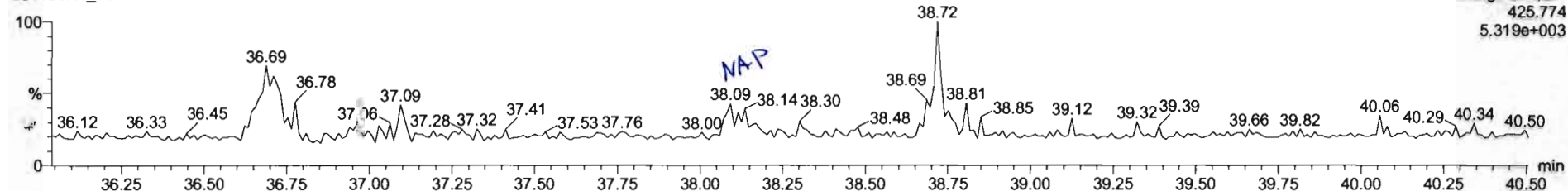
1,2,3,4,6,7,8-HpCDD

201105R1\_10



F4:Voltage SIR,EI+  
423.777  
1.045e+004

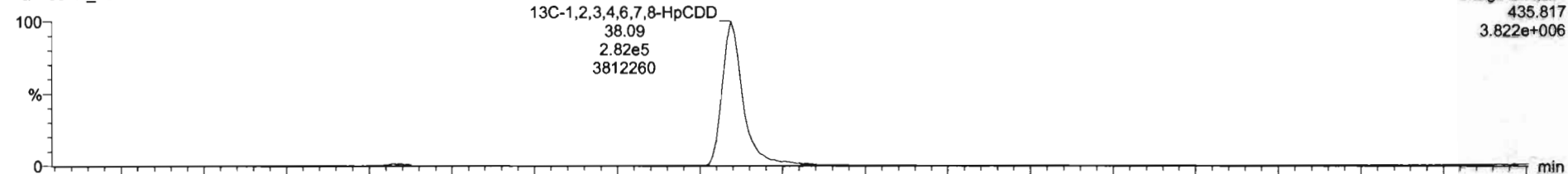
201105R1\_10



F4:Voltage SIR,EI+  
425.774  
5.319e+003

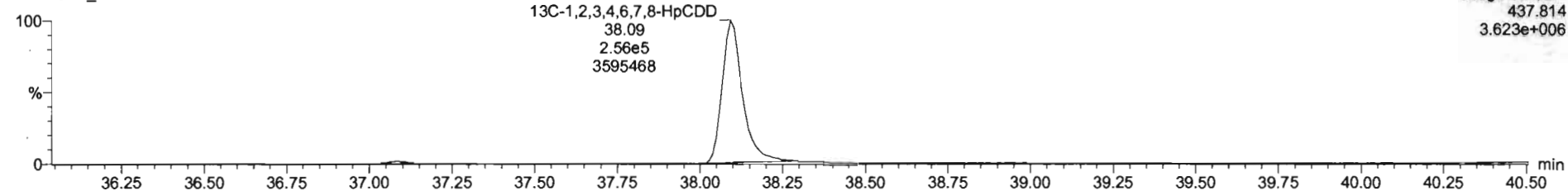
13C-1,2,3,4,6,7,8-HpCDD

201105R1\_10



F4:Voltage SIR,EI+  
435.817  
3.822e+006

201105R1\_10



F4:Voltage SIR,EI+  
437.814  
3.623e+006

Dataset: Untitled

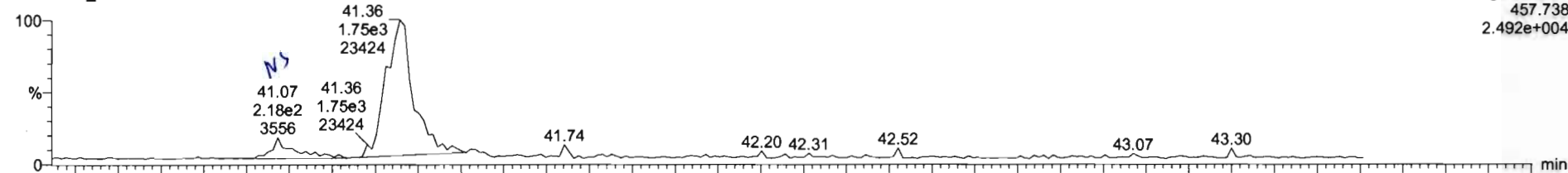
Last Altered: Friday, November 06, 2020 08:14:00 Pacific Standard Time

Printed: Friday, November 06, 2020 08:14:32 Pacific Standard Time

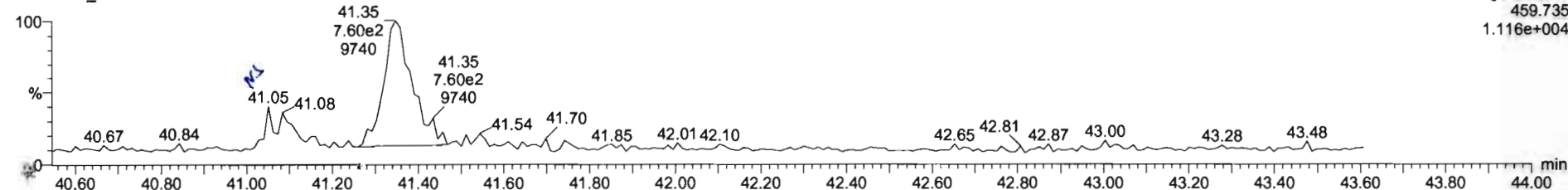
Name: 201105R1\_10, Date: 05-Nov-2020, Time: 18:29:35, ID: B0J0169-BLK1 Method Blank 10, Description: Method Blank

**OCDD**

201105R1\_10

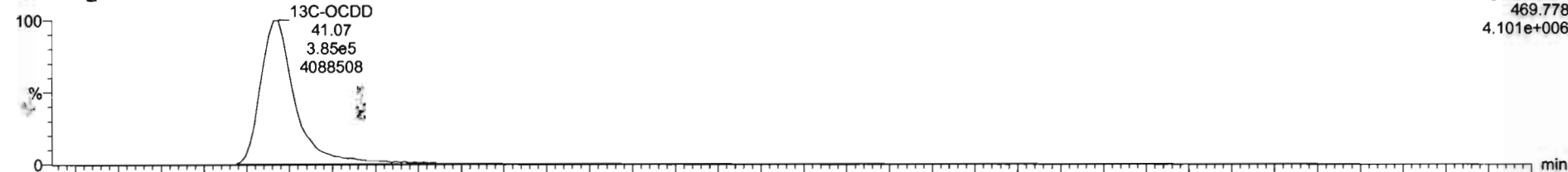


201105R1\_10

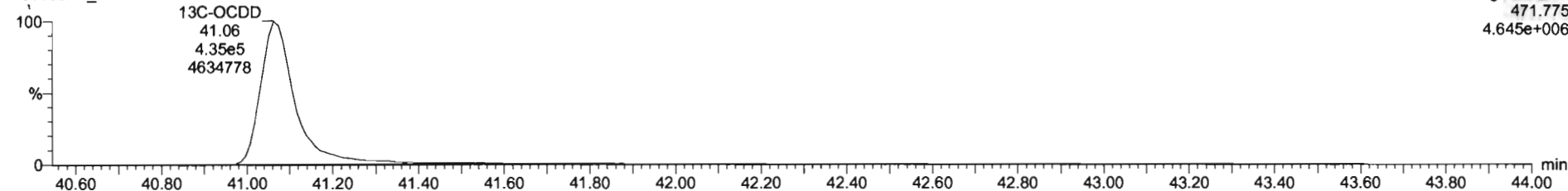


**13C-OCDD**

201105R1\_10

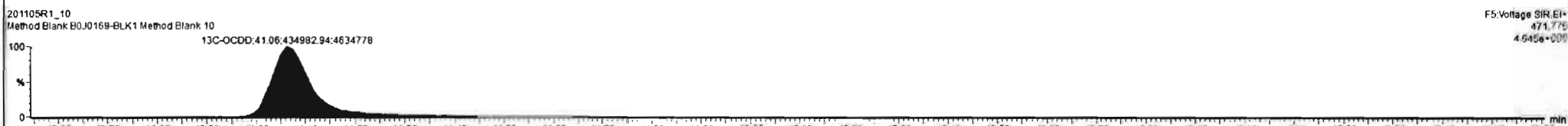
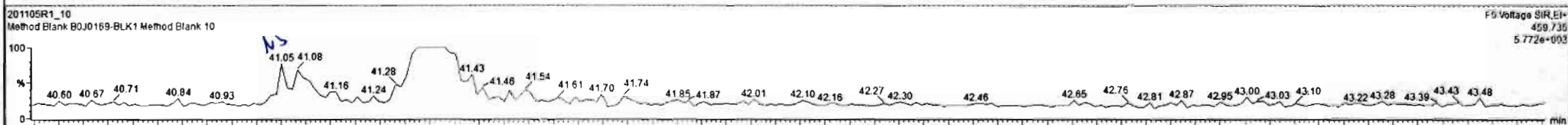
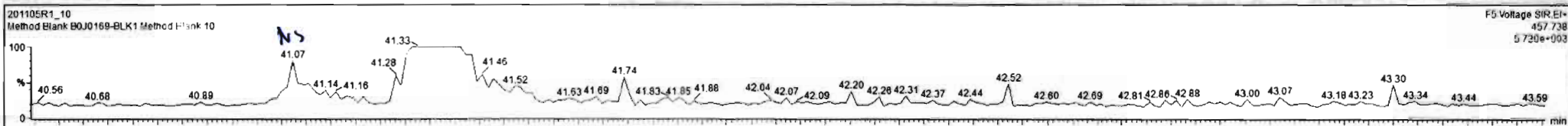


201105R1\_10





#	Name	Resp	IS Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
7	OCDD		8.20e5	0.89		NO	0.8717	41.07		NO	1.000				NO
8	2,3,7,8-TCDF		1.42e6	0.77		NO	0.8243	25.53		NO	1.000				NO
9	1,2,3,7,8-PeCDF		1.24e6	1.55		NO	0.9828	29.66		NO	1.000				NO
10	2,3,4,7,8-PeCDF		1.20e6	1.55		NO	1.0684	30.72		NO	1.000				NO
11	1,2,3,4,7,8-HxCDF		7.56e5	1.24		NO	0.9535	33.31		NO	1.000				NO
12	1,2,3,6,7,8-HxCDF		8.18e5												
13	2,3,4,6,7,8-HxCDF		7.36e5	1.24		NO	0.9907	34.12		NO	1.000				NO
14	1,2,3,7,8,9-HxCDF		6.31e5	1.24		NO	0.9506	35.11		NO	1.000				NO
15	1,2,3,4,6,7,8-HpCDF		5.37e5	1.04		NO	0.9986	36.69		NO	1.000				NO
16	1,2,3,4,7,8,9-HpCDF		4.01e5	1.04		NO	1.1238	38.72		NO	1.000				NO
17	OCDF		8.59e5	0.89		NO	0.8682	41.37		NO	1.000				NO
18	13C-2,3,7,8-TCDD	1.05e6	1.23e6	0.77	0.80	NO	1.1039	26.18	26.20	HO	1.029	1.030	155	77.5	YES
19	13C-1,2,3,7,8-PeCDD	8.32e5	1.23e6	0.63	0.64	NO	0.8585	30.80	30.90	HO	1.211	1.215	158	78.9	NO
20	13C-1,2,3,4,7,8-HxCDD	5.82e5	1.04e6	1.24	1.28	NO	0.6997	34.20	34.22	NO	1.013	1.014	160	80.0	YES
21	13C-1,2,3,6,7,8-HxCDD	7.27e5	1.04e6	1.24	1.29	NO	0.8327	34.33	34.35	NO	1.617	1.618	168	84.1	YES



Dataset: Untitled

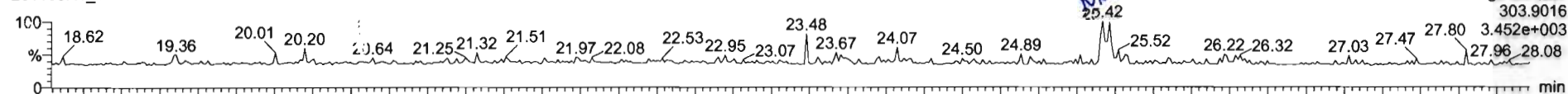
Last Altered: Friday, November 06, 2020 08:14:00 Pacific Standard Time

Printed: Friday, November 06, 2020 08:14:32 Pacific Standard Time

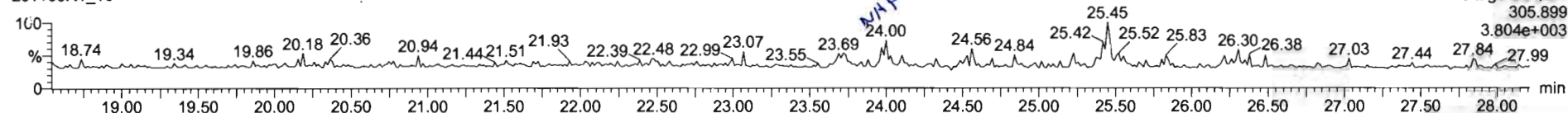
Name: 201105R1\_10, Date: 05-Nov-2020, Time: 18:29:35, ID: B0J0169-BLK1 Method Blank 10, Description: Method Blank

2,3,7,8-TCDF

201105R1\_10

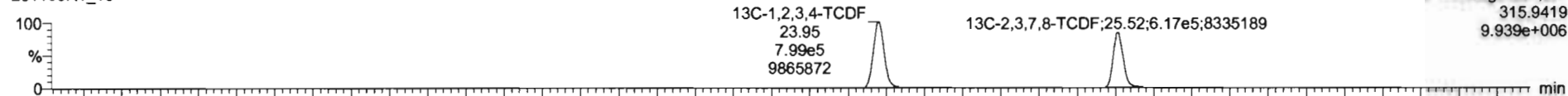


201105R1\_10

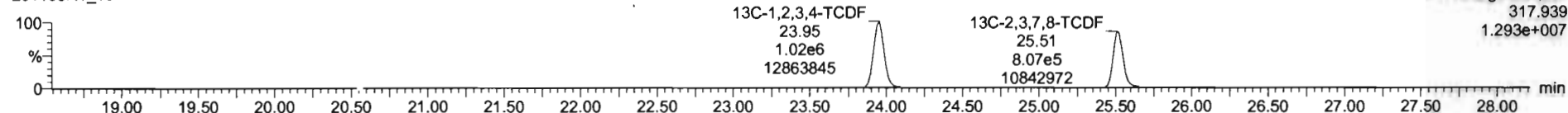


13C-2,3,7,8-TCDF

201105R1\_10

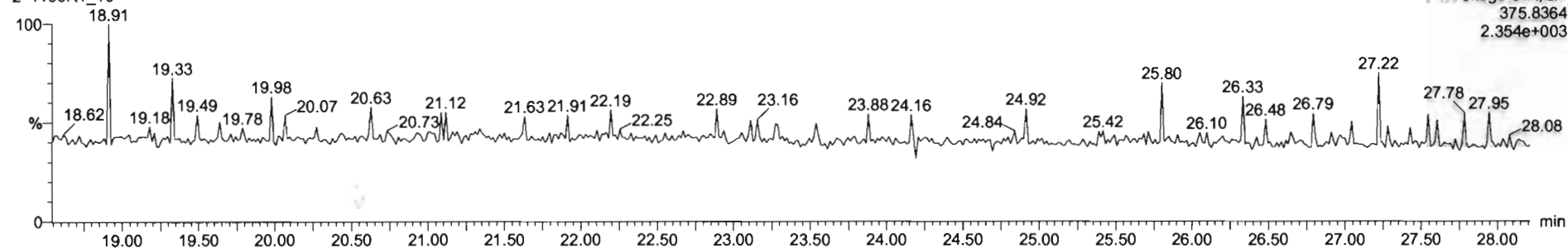


201105R1\_10

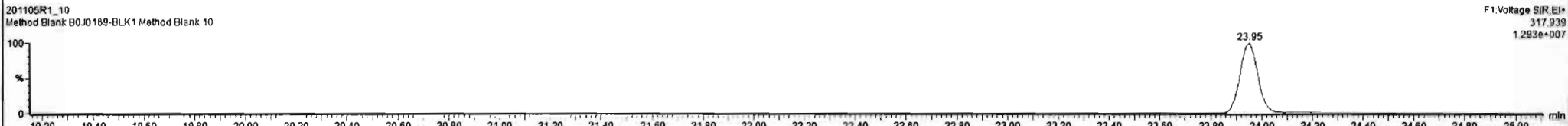
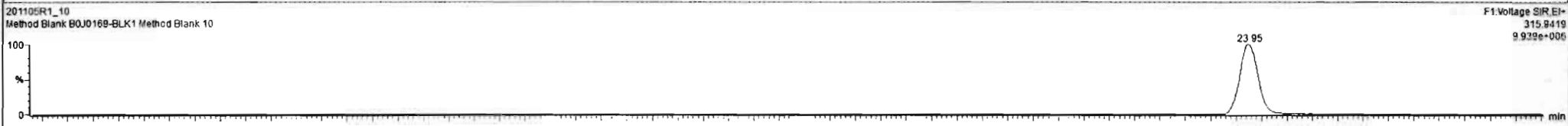
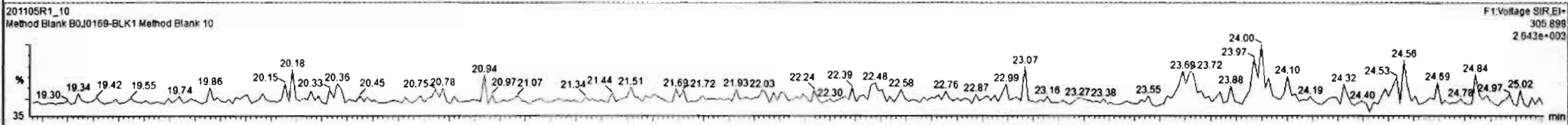
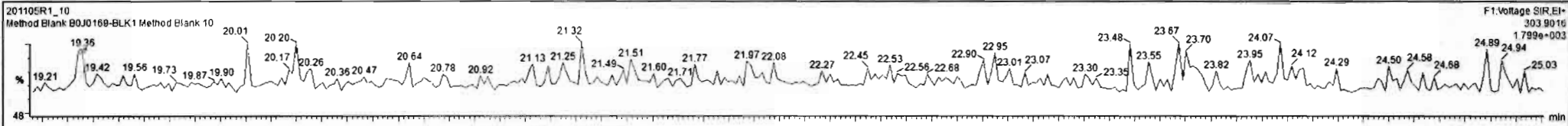


DPE1

201105R1\_10



#	Name	Resp	IS Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc.	%Rec	STD out
43	Total Tetra-Furans		1.42e8				0.8243	23.61		NO	0.000				NO
44	1st Func. Penta-Furans		0.00e0				0.9626	27.23		NO	0.000				NO
45	Total Penta-Furans		0.00e0				0.9826	29.27		NO	0.000				NO
46	Total Hexa-Furans		0.00e0				0.9907	33.56		NO	0.000				NO
47	Total Hepta-Furans		0.00e0				0.9956	37.83		NO	0.000				NO
48	PFK1														
49	PFK2														
50	PFK3														
51	PFK4														
52	PFK5														
53	DPE1														
54	DPE2														
55	DPE3														
56	DPE4														
57	DPE5														



Dataset: Untitled

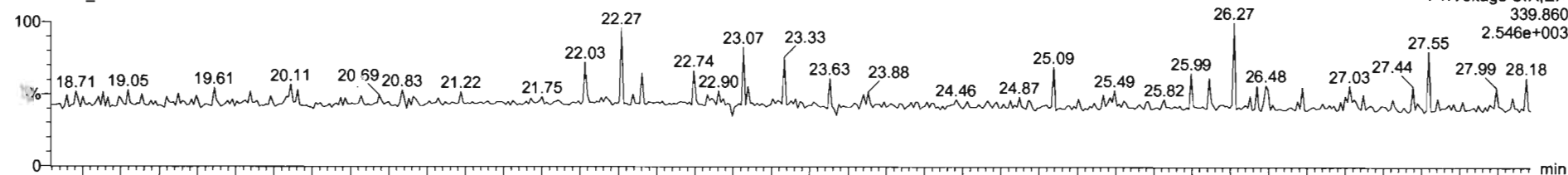
Last Altered: Friday, November 06, 2020 08:14:00 Pacific Standard Time

Printed: Friday, November 06, 2020 08:14:32 Pacific Standard Time

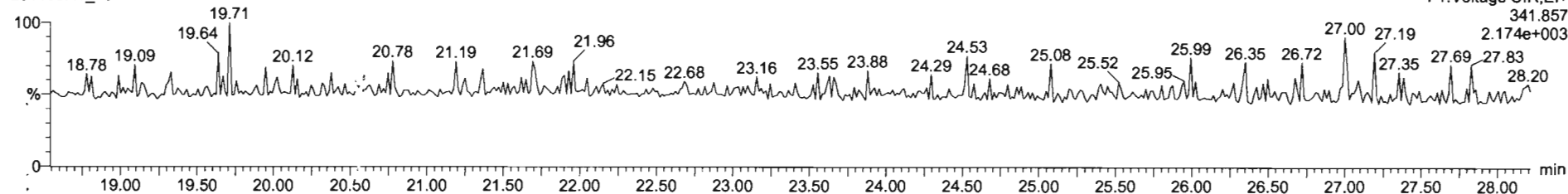
Name: 201105R1\_10, Date: 05-Nov-2020, Time: 18:29:35, ID: B0J0169-BLK1 Method Blank 10, Description: Method Blank

1st Func. Penta-Furans

201105R1\_10

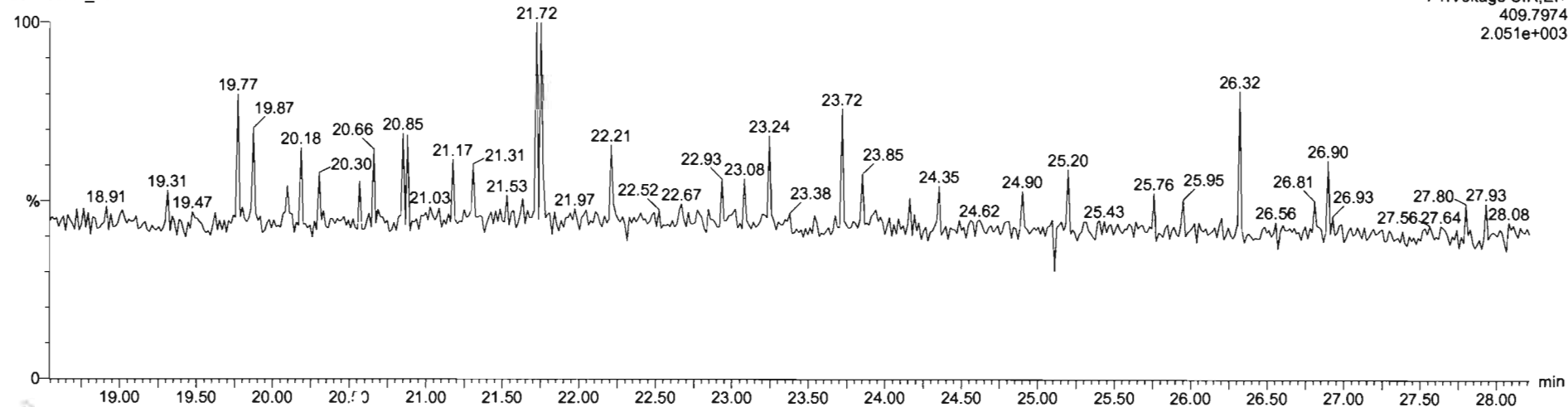


201105R1\_10



DPE6

201105R1\_10

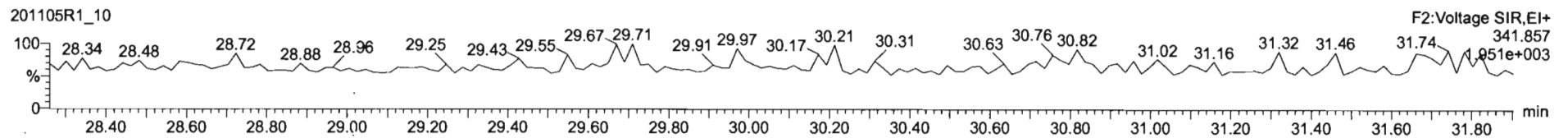
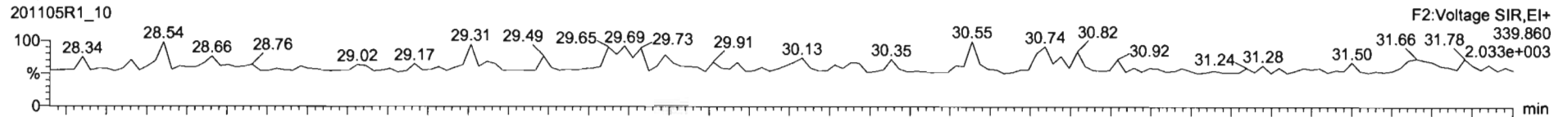


Dataset: Untitled

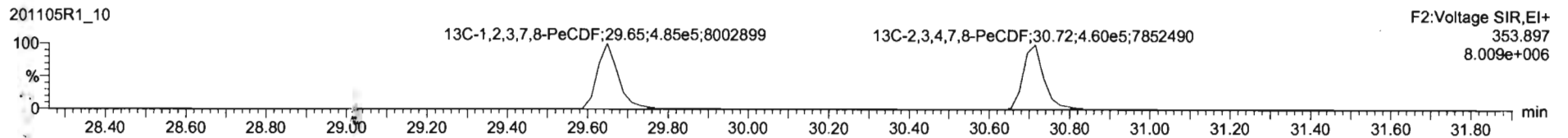
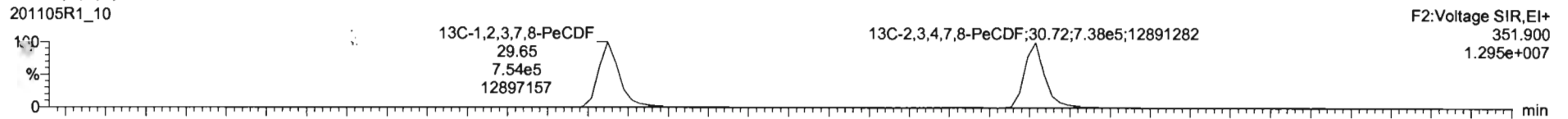
Last Altered: Friday, November 06, 2020 08:14:00 Pacific Standard Time  
Printed: Friday, November 06, 2020 08:14:32 Pacific Standard Time

Name: 201105R1\_10, Date: 05-Nov-2020, Time: 18:29:35, ID: B0J0169-BLK1 Method Blank 10, Description: Method Blank

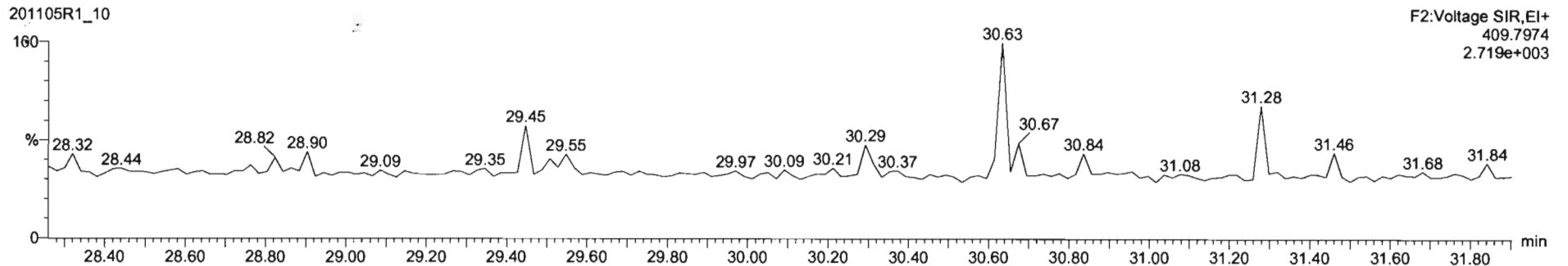
**1,2,3,7,8-PeCDF**



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



**DPE2**



Dataset: Untitled

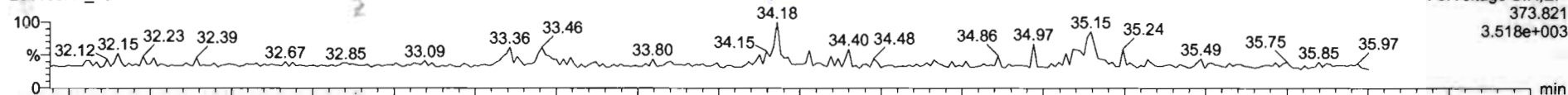
Last Altered: Friday, November 06, 2020 08:14:00 Pacific Standard Time

Printed: Friday, November 06, 2020 08:14:32 Pacific Standard Time

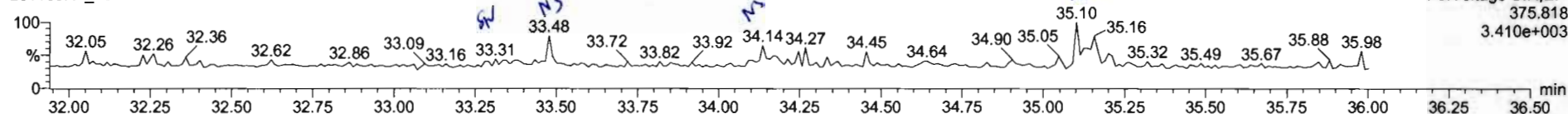
Name: 201105R1\_10, Date: 05-Nov-2020, Time: 18:29:35, ID: B0J0169-BLK1 Method Blank 10, Description: Method Blank

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

201105R1\_10

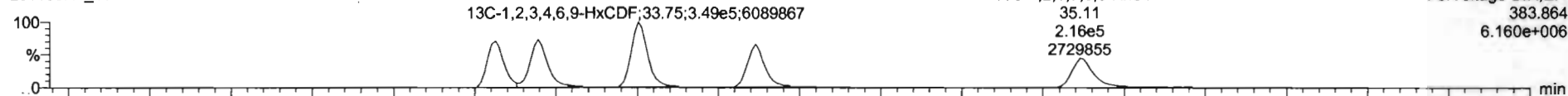


201105R1\_10

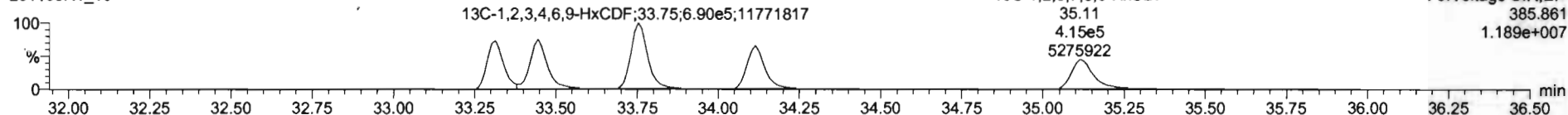


13C-1,2,3,4,7,8-HxCDF

201105R1\_10

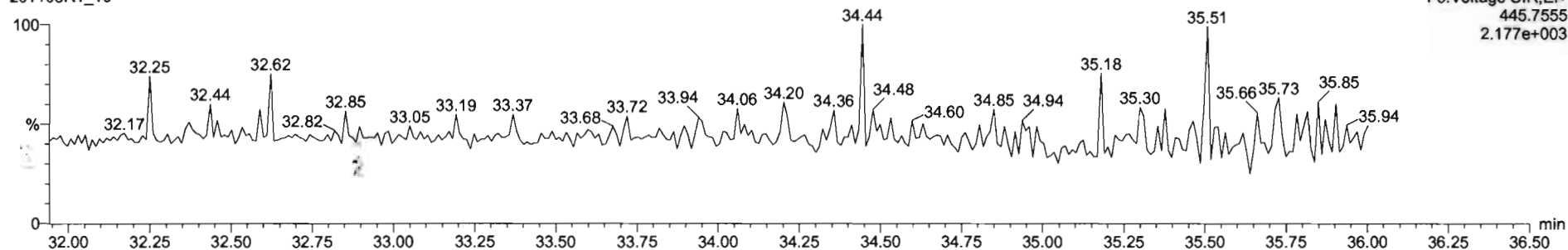


201105R1\_10

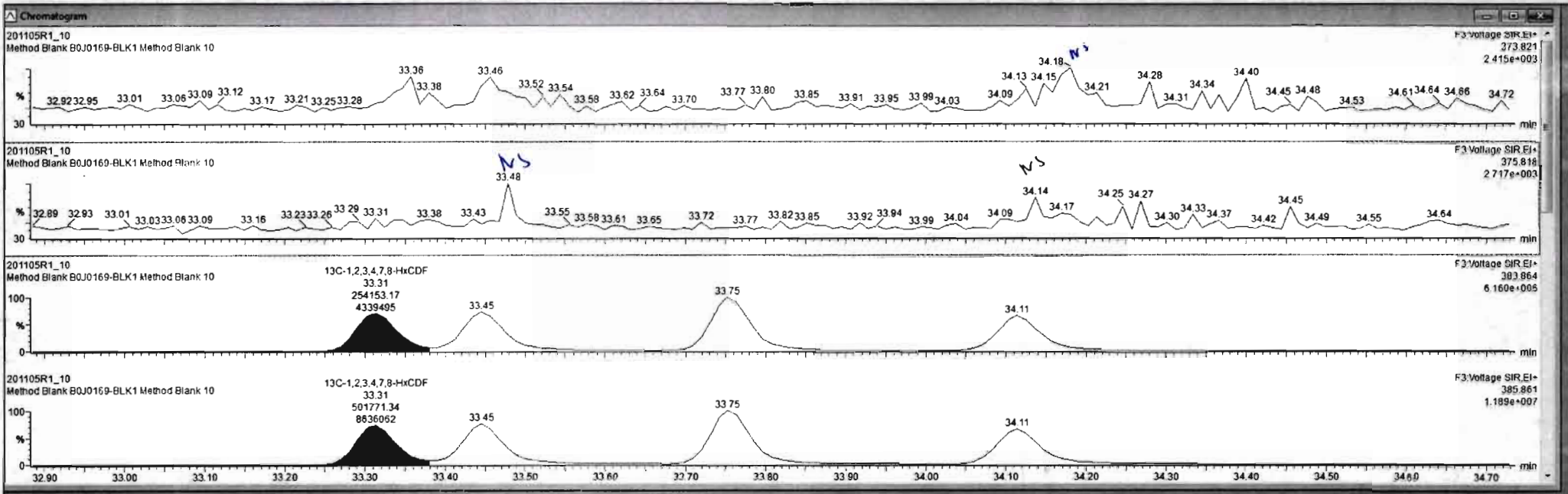


D1E3

201105R1\_10



#	Name	Resp	IS Resp	Pred RA	RA	nly	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc.	%Rec	STD out
43	Total Tetra-Furans		1.42e6				0.8243	23.61		NO	0.000				NO
44	1st Func. Penta-Furans		0.00e0				0.9626	27.23		NO	0.000				NO
45	Total Penta-Furans		0.00e0				0.9626	29.27		NO	0.000				NO
46	Total Hexa-Furans		0.00e0				0.9907	33.56		NO	0.000				NO
47	Total Hepta-Furans		0.00e0				0.9986	37.63		NO	0.000				NO
48	PFK1														
49	PFK2														
50	PFK3														
51	PFK4														
52	PFK5														
53	DPE1														
54	DPE2														
55	DPE3														
56	DPE4														
57	DPE5														

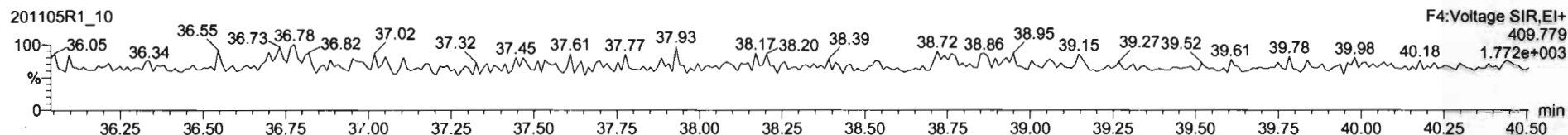
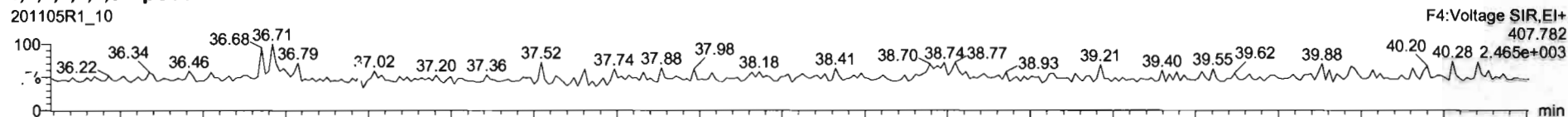


Dataset: Untitled

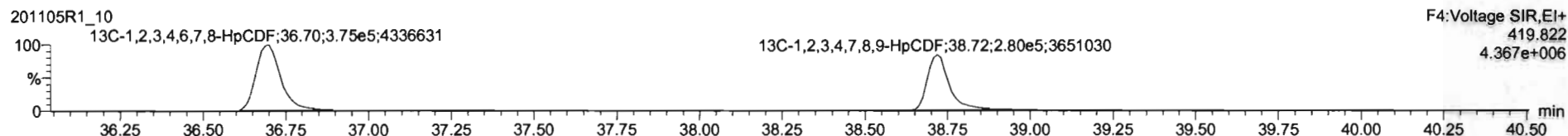
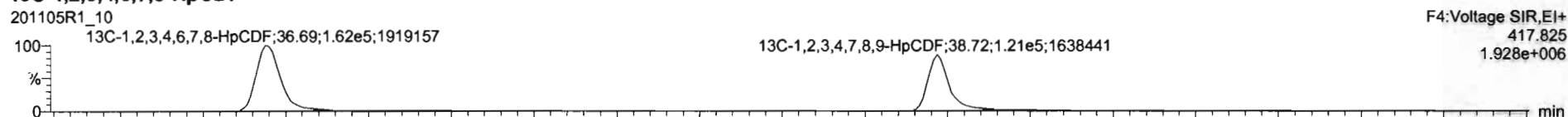
Last Altered: Friday, November 06, 2020 08:14:00 Pacific Standard Time  
Printed: Friday, November 06, 2020 08:14:32 Pacific Standard Time

Name: 201105R1\_10, Date: 05-Nov-2020, Time: 18:29:35, ID: B0J0169-BLK1 Method Blank 10, Description: Method Blank

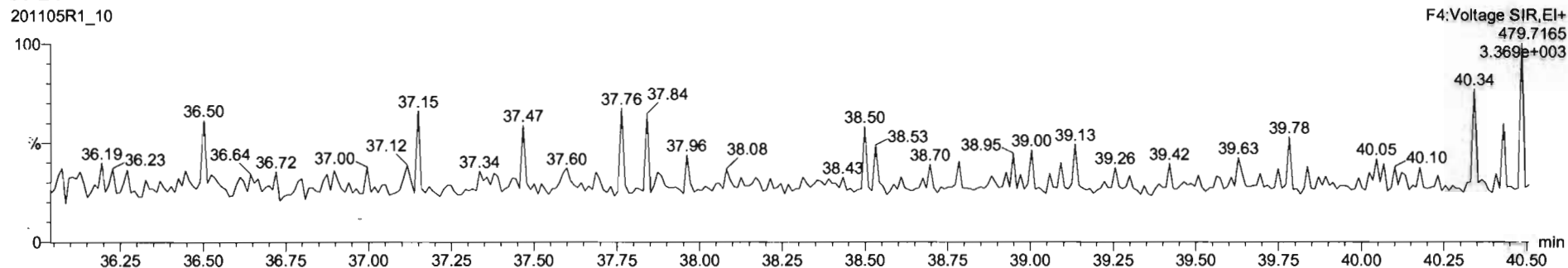
**1,2,3,4,6,7,8-HpCDF**



**<sup>13</sup>C-1,2,3,4,6,7,8-HpCDF**



**DPE4**



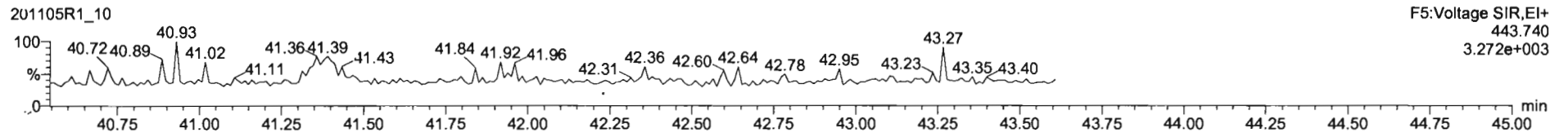
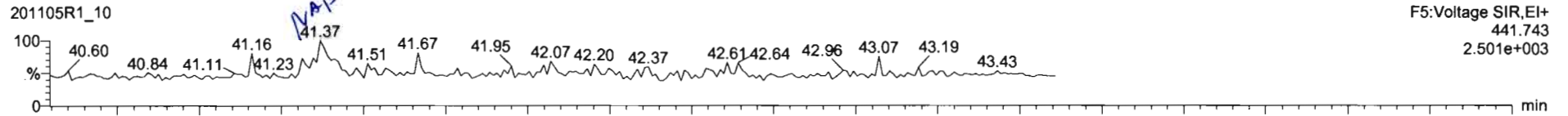


Dataset: Untitled

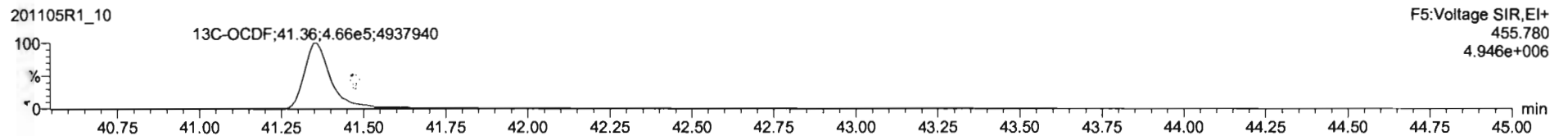
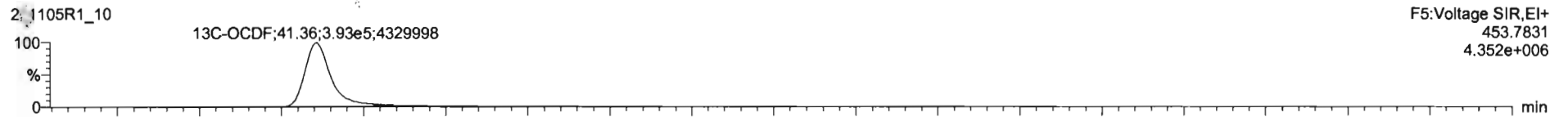
Last Altered: Friday, November 06, 2020 08:14:00 Pacific Standard Time  
Printed: Friday, November 06, 2020 08:14:32 Pacific Standard Time

Name: 201105R1\_10, Date: 05-Nov-2020, Time: 18:29:35, ID: B0J0169-BLK1 Method Blank 10, Description: Method Blank

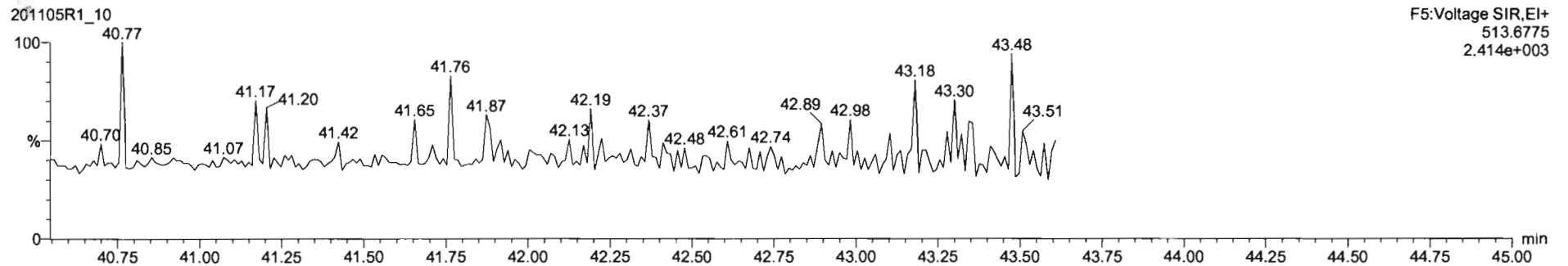
OCDF



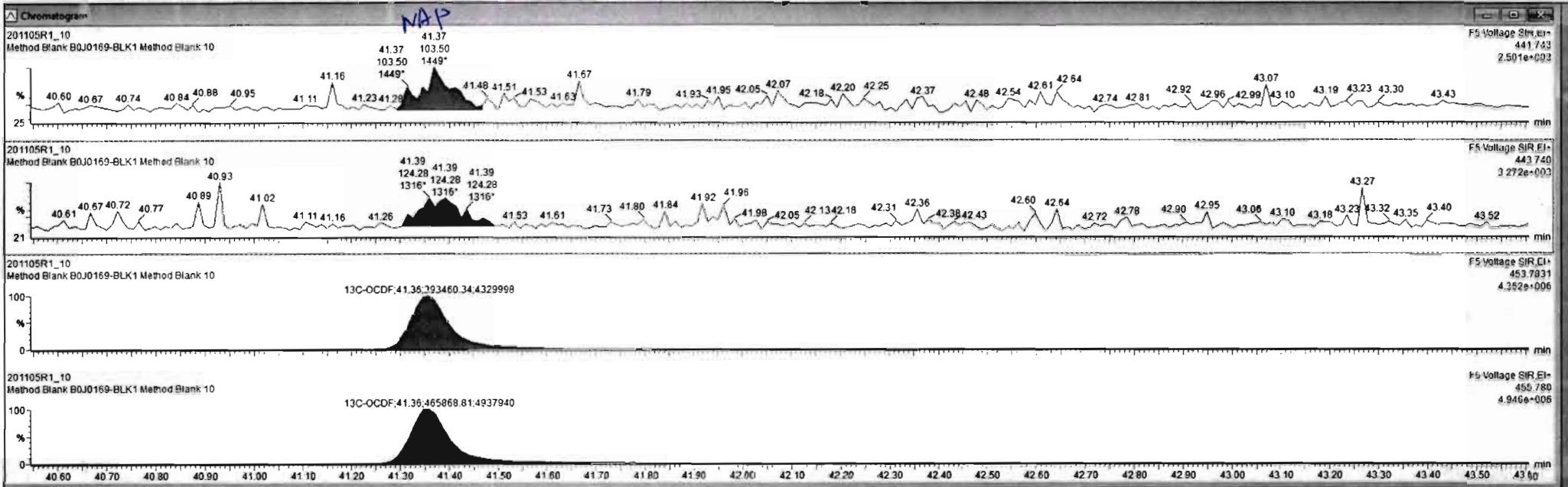
13C-OCDF



DPE5



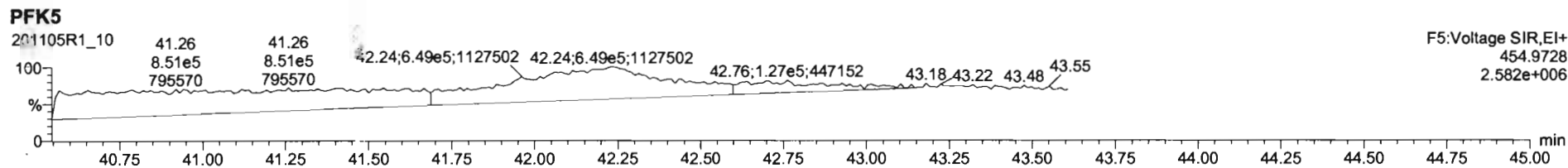
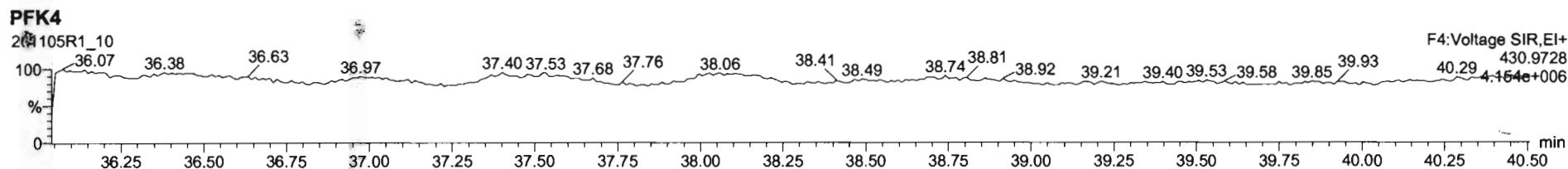
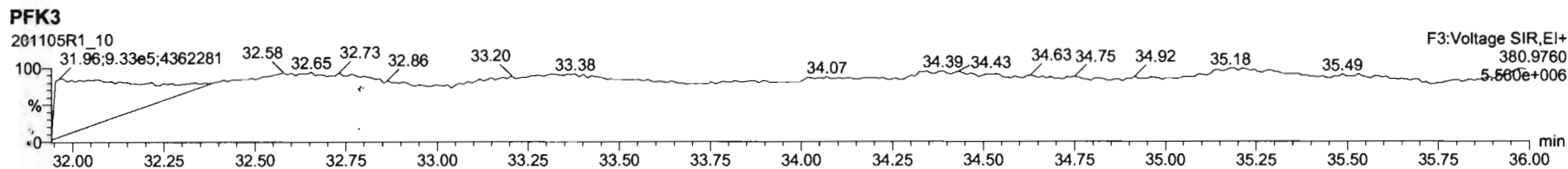
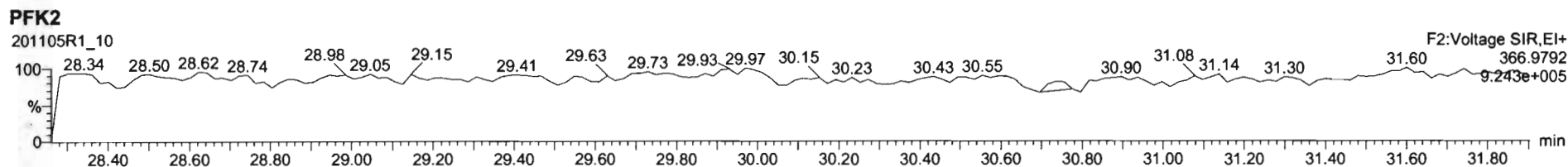
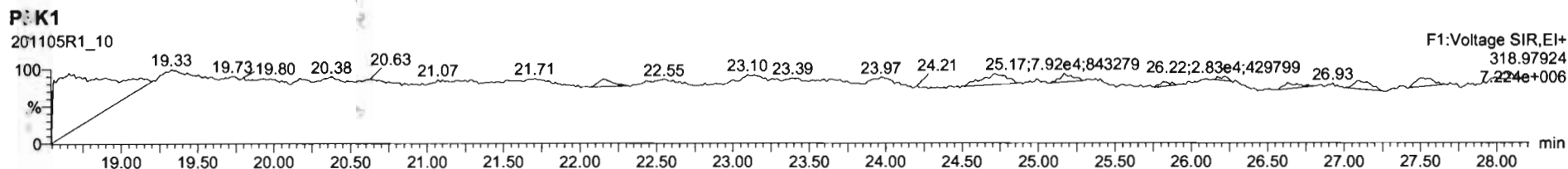
#	Name	Resp	IS Resp	Pred RA	RA	n/y	RBF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
17	OCDF		8.59e5	0.89		NO	0.8682	41.37		NO	1.000				NO
18	13C-2,3,7,8-TCDD	1.05e6	1.23e6	0.77	0.80	NO	1.1089	26.18	26.20	NO	1.029	1.030	155	77.5	YES
19	13C-1,2,3,7,8-PeCDD	8.32e5	1.23e6	0.63	0.64	NO	0.8585	30.80	30.90	NO	1.211	1.215	158	78.9	NO
20	13C-1,2,3,4,7,8-HxCDD	5.82e5	1.04e6	1.24	1.26	NO	0.6997	34.20	34.22	NO	1.013	1.014	160	80.0	YES
21	13C-1,2,3,6,7,8-HxCDD	7.27e5	1.04e6	1.24	1.29	NO	0.8327	34.33	34.35	NO	1.017	1.018	168	84.1	YES
22	13C-1,2,3,7,8-HxCDD	8.64e5	1.04e6	1.24	1.31	NO	0.7818	34.80	34.82	NO	1.025	1.026	168	84.0	YES
23	13C-1,2,3,4,6,7,8-HpCDD	5.38e5	1.04e6	1.04	1.10	NO	0.6496	38.04	38.09	NO	1.127	1.129	160	79.8	NO
24	13C-OCDD	8.20e5	1.04e6	0.89	0.89	NO	0.5394	40.97	41.07	NO	1.214	1.217	293	73.2	NO
25	13C-2,3,7,8-TCDF	1.42e6	1.82e6	0.77	0.76	NO	0.9814	25.51	25.52	NO	1.003	1.003	159	79.7	NO
26	13C-1,2,3,7,8-PeCDF	1.24e6	1.82e6	1.55	1.55	NO	0.7917	29.56	29.65	NO	1.162	1.168	172	85.9	NO
27	13C-2,3,4,7,8-PeCDF	1.20e6	1.82e6	1.55	1.60	NO	0.7777	30.61	30.72	NO	1.204	1.208	169	84.6	NO
28	13C-1,2,3,4,7,8-HxCDF	7.58e5	1.04e6	0.51	0.51	NO	0.9537	33.30	33.31	NO	0.987	0.987	153	76.3	NO
29	13C-1,2,3,6,7,8-HxCDF	8.18e5	1.04e6	0.51	0.50	NO	1.0059	33.44	33.44	NO	0.991	0.991	157	78.3	NO
30	13C-2,3,4,6,7,8-HxCDF	7.36e5	1.04e6	0.51	0.50	NO	0.9210	34.10	34.11	NO	1.010	1.011	154	76.9	NO
31	13C-1,2,3,7,8,9-HxCDF	6.31e5	1.04e6	0.51	0.52	NO	0.8034	35.10	35.11	NO	1.040	1.040	151	75.6	NO



Dataset: Untitled

Last Altered: Friday, November 06, 2020 08:14:00 Pacific Standard Time  
Printed: Friday, November 06, 2020 08:14:32 Pacific Standard Time

Name: 201105R1\_10, Date: 05-Nov-2020, Time: 18:29:35, ID: B0J0169-BLK1 Method Blank 10, Description: Method Blank



Dataset: U:\VG12.PRO\Results\201105R1\201105R1\_7.qld

Last Altered: Friday, November 06, 2020 10:34:27 Pacific Standard Time

Printed: Friday, November 06, 2020 10:37:39 Pacific Standard Time

*DF1105/20*

Method: U:\VG12.PRO\MethDB\1613rrt-10-20-20.mdb 04 Nov 2020 10:00:50

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-10-20-20.cdb 20 Oct 2020 13:36:10

*CT 11/09/2020*

Name: 201105R1\_7, Date: 05-Nov-2020, Time: 16:14:16, ID: B0J0169-BS1 OPR 10, Description: OPR, Task: ST201105R1\_1

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	8.51e4	0.76	NO	0.950	10.000	26.22	1.001	19.709		0.0460	19.7
2	1,2,3,7,8-PeCDD	3.47e5	0.61	NO	0.885	10.000	30.92	1.001	106.37		0.132	106
3	1,2,3,4,7,8-HxCDD	2.82e5	1.26	NO	1.02	10.000	34.22	1.000	104.21		0.277	104
4	1,2,3,6,7,8-HxCDD	2.98e5	1.25	NO	0.915	10.000	34.35	1.000	99.958		0.282	100
5	1,2,3,7,8,9-HxCDD	2.82e5	1.24	NO	0.934	10.000	34.62	1.000	100.20		0.303	100
6	1,2,3,4,6,7,8-HpCDD	2.29e5	1.03	NO	0.870	10.000	38.10	1.000	101.78		0.528	102
7	OCDD	3.18e5	0.89	NO	0.872	10.000	41.06	1.000	198.03		0.888	198
8	2,3,7,8-TCDF	9.30e4	0.72	NO	0.824	10.000	25.54	1.001	19.219		0.0487	19.2
9	1,2,3,7,8-PeCDF	5.10e5	1.57	NO	0.963	10.000	29.65	1.001	101.18		0.201	101
10	2,3,4,7,8-PeCDF	5.53e5	1.57	NO	1.07	10.000	30.72	1.001	101.18		0.182	101
11	1,2,3,4,7,8-HxCDF	3.26e5	1.23	NO	0.953	10.000	33.31	1.000	101.23		0.372	101
12	1,2,3,6,7,8-HxCDF	3.62e5	1.27	NO	1.01	10.000	33.46	1.001	99.316		0.359	99.3
13	2,3,4,6,7,8-HxCDF	3.26e5	1.23	NO	0.991	10.000	34.13	1.001	100.28		0.408	100
14	1,2,3,7,8,9-HxCDF	2.77e5	1.28	NO	0.951	10.000	35.12	1.000	100.66		0.621	101
15	1,2,3,4,6,7,8-HpCDF	2.43e5	1.00	NO	0.999	10.000	36.71	1.001	98.767		0.526	98.8
16	1,2,3,4,7,8,9-HpCDF	2.11e5	1.02	NO	1.12	10.000	38.73	1.000	99.192		0.524	99.2
17	OCDF	3.47e5	0.88	NO	0.868	10.000	41.36	1.000	196.57		0.482	197
18	13C-2,3,7,8-TCDD	9.09e5	0.77	NO	1.11	10.000	26.19	1.030	128.02	64.0	0.124	
19	13C-1,2,3,7,8-PeCDD	7.37e5	0.64	NO	0.859	10.000	30.90	1.215	134.19	67.1	0.156	
20	13C-1,2,3,4,7,8-HxCDD	5.31e5	1.28	NO	0.700	10.000	34.21	1.014	141.16	70.6	0.578	
21	13C-1,2,3,6,7,8-HxCDD	6.51e5	1.28	NO	0.833	10.000	34.33	1.018	145.46	72.7	0.486	
22	13C-1,2,3,7,8,9-HxCDD	6.02e5	1.26	NO	0.762	10.000	34.61	1.026	146.94	73.5	0.531	
23	13C-1,2,3,4,6,7,8-HpCDD	5.17e5	1.07	NO	0.650	10.000	38.09	1.129	147.97	74.0	0.740	
24	13C-OCDD	7.38e5	0.89	NO	0.539	10.000	41.05	1.217	254.40	63.6	0.671	
25	13C-2,3,7,8-TCDF	1.17e6	0.77	NO	0.981	10.000	25.51	1.003	126.21	63.1	0.201	
26	13C-1,2,3,7,8-PeCDF	1.05e6	1.59	NO	0.792	10.000	29.63	1.165	139.61	69.8	0.292	
27	13C-2,3,4,7,8-PeCDF	1.02e6	1.60	NO	0.778	10.000	30.69	1.207	138.80	69.4	0.298	
28	13C-1,2,3,4,7,8-HxCDF	6.75e5	0.50	NO	0.954	10.000	33.30	0.987	131.63	65.8	0.532	
29	13C-1,2,3,6,7,8-HxCDF	7.23e5	0.50	NO	1.01	10.000	33.43	0.991	133.67	66.8	0.504	
30	13C-2,3,4,6,7,8-HxCDF	6.56e5	0.51	NO	0.921	10.000	34.10	1.011	132.41	66.2	0.551	
31	13C-1,2,3,7,8,9-HxCDF	5.78e5	0.52	NO	0.803	10.000	35.11	1.041	133.80	66.9	0.631	

Dataset: U:\VG12.PRO\Results\201105R1\201105R1\_7.qld

Last Altered: Friday, November 06, 2020 10:34:27 Pacific Standard Time

Printed: Friday, November 06, 2020 10:37:39 Pacific Standard Time

Name: 201105R1\_7, Date: 05-Nov-2020, Time: 16:14:16, ID: B0J0169-BS1 OPR 10, Description: OPR, Task: ST201105R1\_1

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	4.93e5	0.43	NO	0.735	10.000	36.69	1.087	124.53	62.3	0.620	
33	13C-1,2,3,4,7,8,9-HpCDF	3.79e5	0.42	NO	0.568	10.000	38.72	1.148	124.25	62.1	0.804	
34	13C-OCDF	8.13e5	0.91	NO	0.629	10.000	41.35	1.225	240.38	60.1	0.478	
35	37Cl-2,3,7,8-TCDD	5.41e5			1.09	10.000	26.22	1.031	77.682	97.1	0.0464	
36	13C-1,2,3,4-TCDD	1.28e6	0.80	NO	1.00	10.000	25.43	1.000	200.00	100	0.137	
37	13C-1,2,3,4-TCDF	1.90e6	0.78	NO	1.00	10.000	23.95	1.000	200.00	100	0.198	
38	13C-1,2,3,4,6,9-HxCDF	1.08e6	0.51	NO	1.00	10.000	33.74	1.000	200.00	100	0.507	

Dataset: Untitled

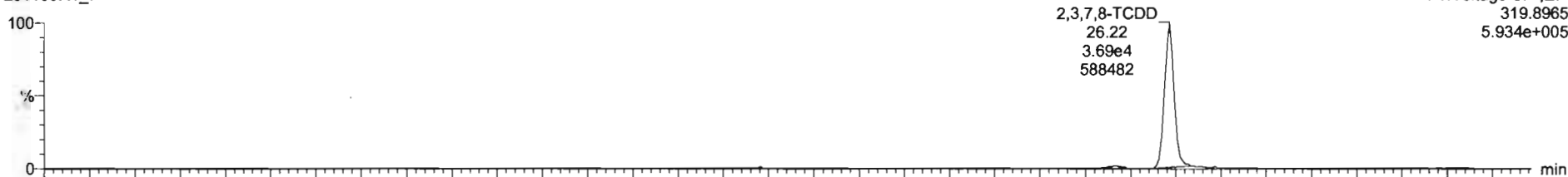
Last Altered: Friday, November 06, 2020 08:10:54 Pacific Standard Time

Printed: Friday, November 06, 2020 08:12:00 Pacific Standard Time

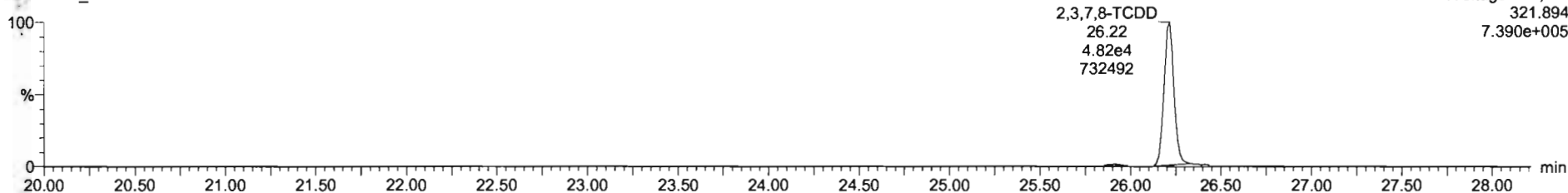
Name: 201105R1\_7, Date: 05-Nov-2020, Time: 16:14:16, ID: B0J0169-BS1 OPR 10, Description: OPR

**2,3,7,8-TCDD**

201105R1\_7

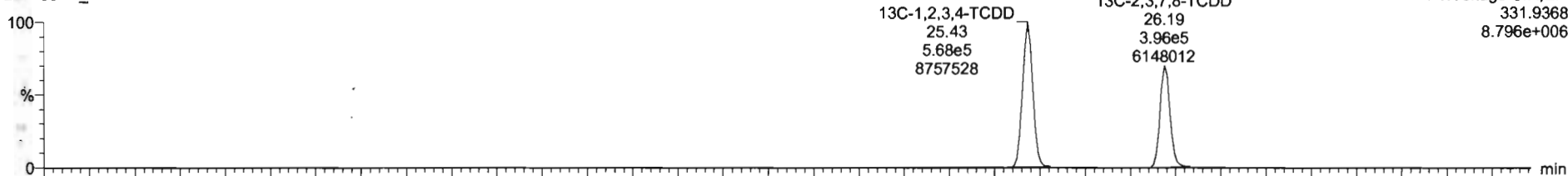


201105R1\_7

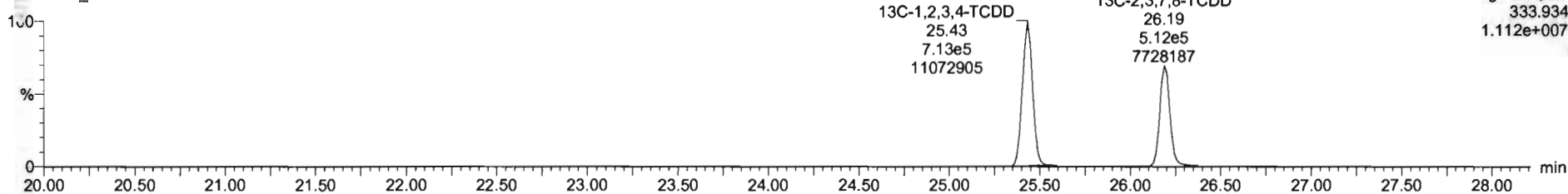


**13C-2,3,7,8-TCDD**

201105R1\_7



201105R1\_7



Dataset: Untitled

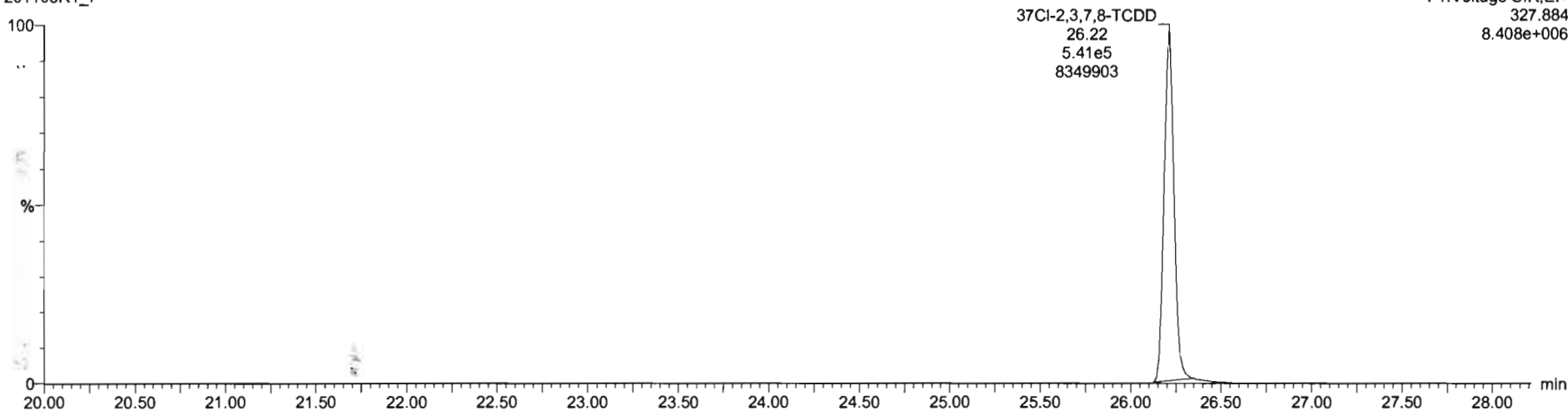
Last Altered: Friday, November 06, 2020 08:10:54 Pacific Standard Time

Printed: Friday, November 06, 2020 08:12:00 Pacific Standard Time

Name: 201105R1\_7, Date: 05-Nov-2020, Time: 16:14:16, ID: B0J0169-BS1 OPR 10, Description: OPR

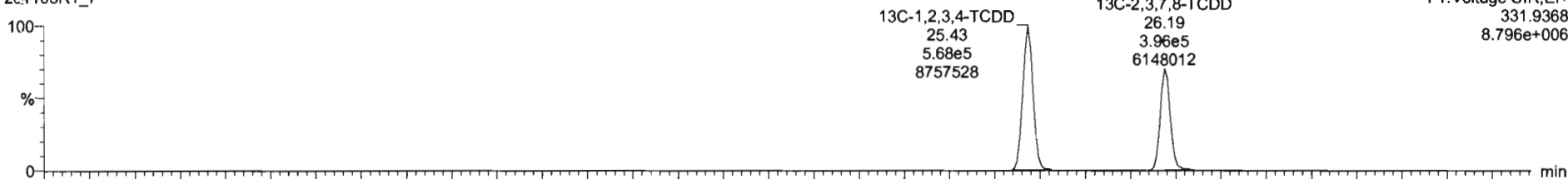
**37Cl-2,3,7,8-TCDD**

201105R1\_7

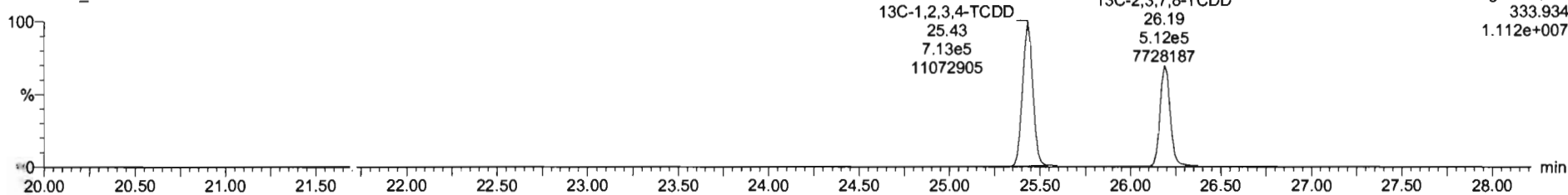


**13C-1,2,3,4-TCDD**

201105R1\_7



201105R1\_7



Dataset: Untitled

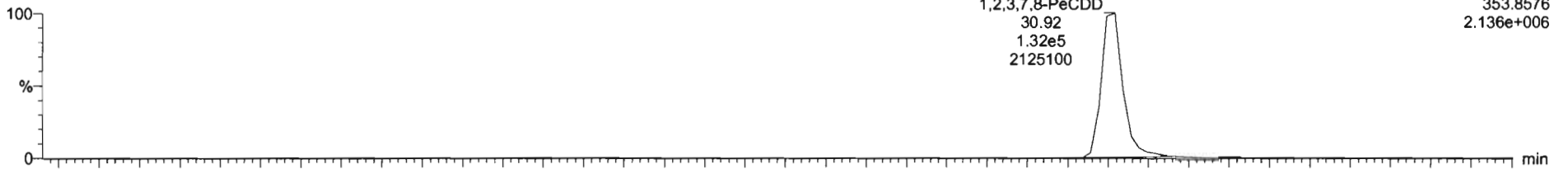
Last Altered: Friday, November 06, 2020 08:10:54 Pacific Standard Time

Printed: Friday, November 06, 2020 08:12:00 Pacific Standard Time

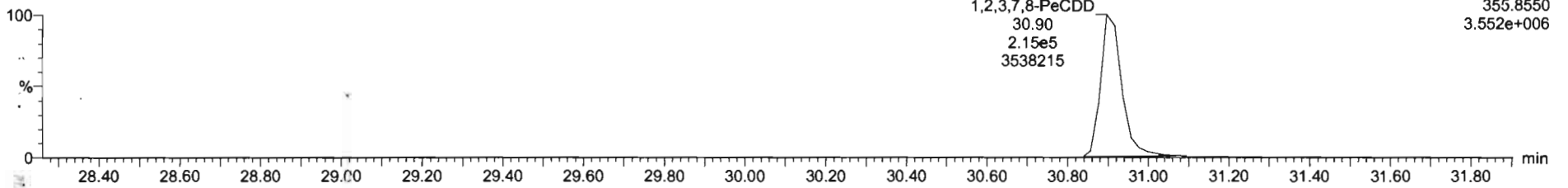
Name: 201105R1\_7, Date: 05-Nov-2020, Time: 16:14:16, ID: B0J0169-BS1 OPR 10, Description: OPR

**1,2,3,7,8-PeCDD**

201105R1\_7

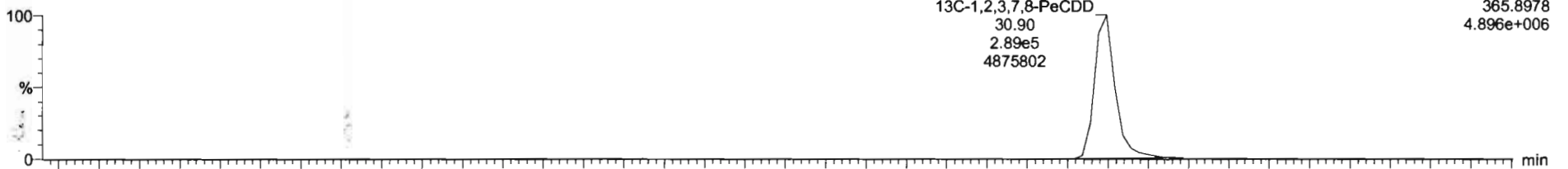


201105R1\_7

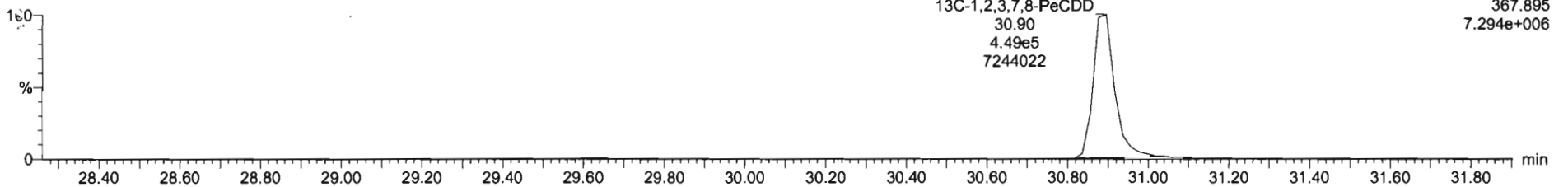


**<sup>13</sup>C-1,2,3,7,8-PeCDD**

201105R1\_7



201105R1\_7





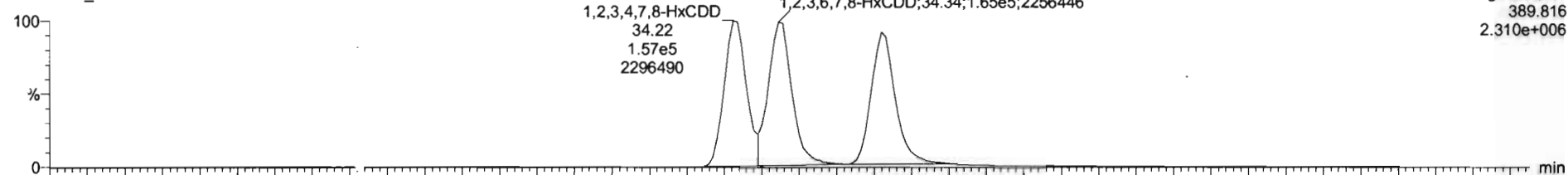
Dataset: Untitled

Last Altered: Friday, November 06, 2020 08:10:54 Pacific Standard Time  
Printed: Friday, November 06, 2020 08:12:00 Pacific Standard Time

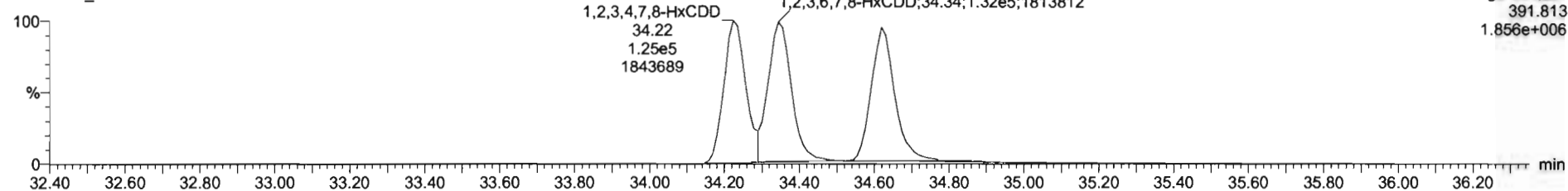
Name: 201105R1\_7, Date: 05-Nov-2020, Time: 16:14:16, ID: B0J0169-BS1 OPR 10, Description: OPR

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

201105R1\_7

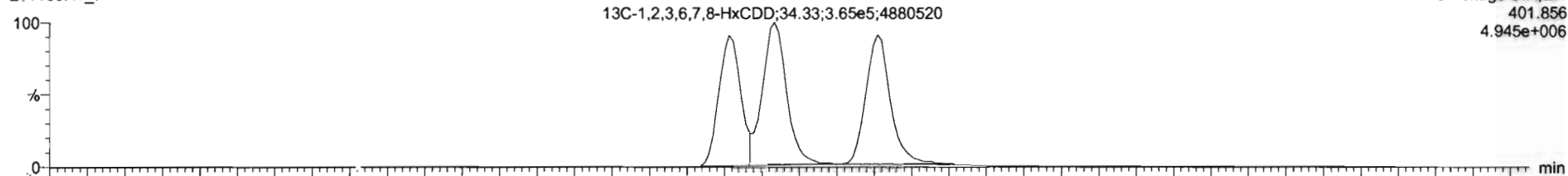


201105R1\_7

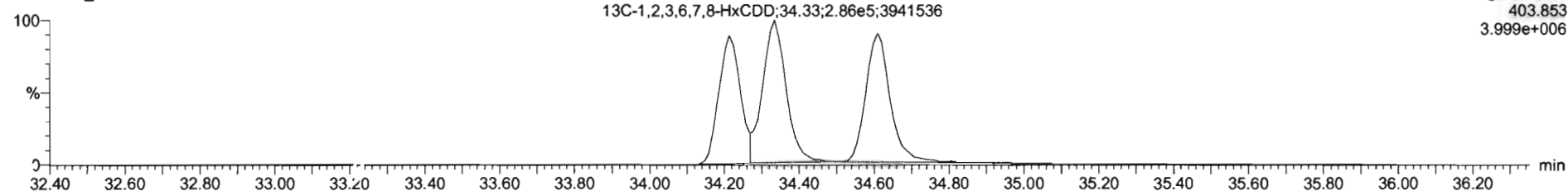


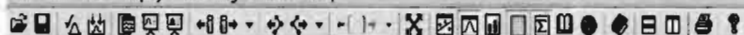
**13C-1,2,3,4,7,8-HxCDD**

201105R1\_7



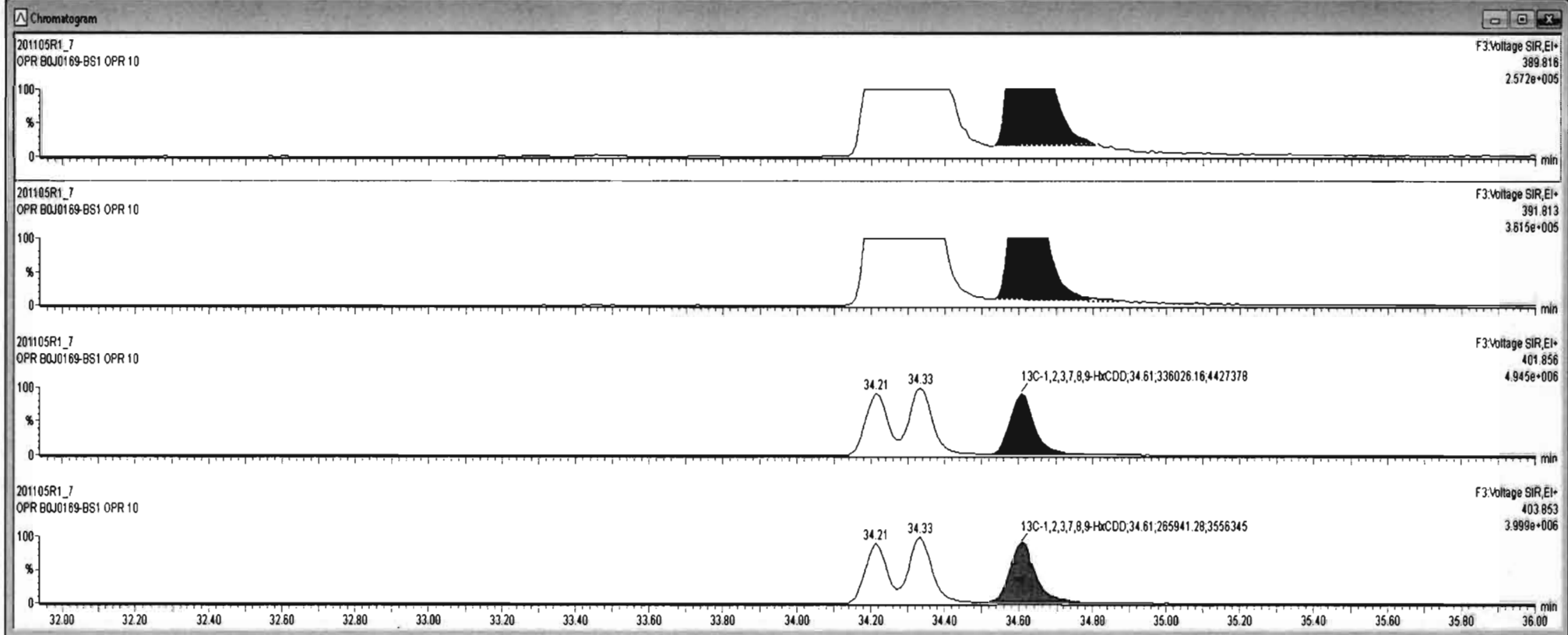
201105R1\_7





#	Name	Resp	RA	n/y	RRF	wt/Vol	RT	PRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	8.51e4	0.76	NO	0.95	10.000	26.22	1.001	19.7		0.0460	19.7
2	1,2,3,7,8-PeCDD	3.47e5	0.61	NO	0.89	10.000	30.92	1.001	106		0.132	106
3	1,2,3,4,7,8-HxCDD	2.82e5	1.26	NO	1.02	10.000	34.22	1.000	104		0.277	104
4	1,2,3,6,7,8-HxCDD	2.98e5	1.25	NO	0.91	10.000	34.35	1.000	100		0.282	100
5	1,2,3,7,8,9-HxCDD	2.82e5	1.24	NO	0.93	10.000	34.62	1.000	100		0.303	100
6	1,2,3,4,6,7,8-HpCDD	2.29e5	1.03	NO	0.87	10.000	38.10	1.000	102		0.528	102
7	OCDD	3.42e5	0.86	NO	0.87	10.000	41.06	1.000	204		0.875	204

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



Dataset: Untitled

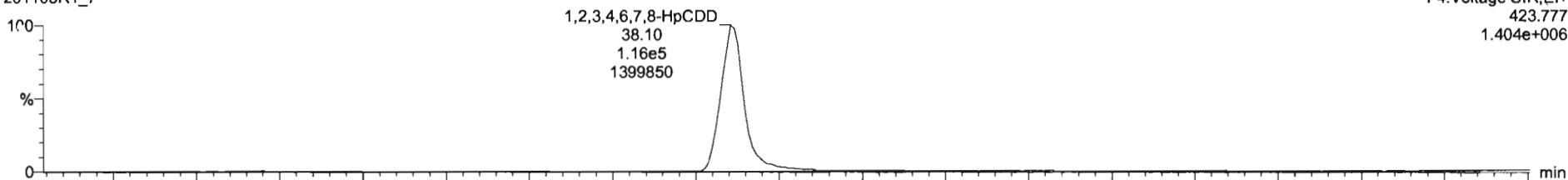
Last Altered: Friday, November 06, 2020 08:10:54 Pacific Standard Time

Printed: Friday, November 06, 2020 08:12:00 Pacific Standard Time

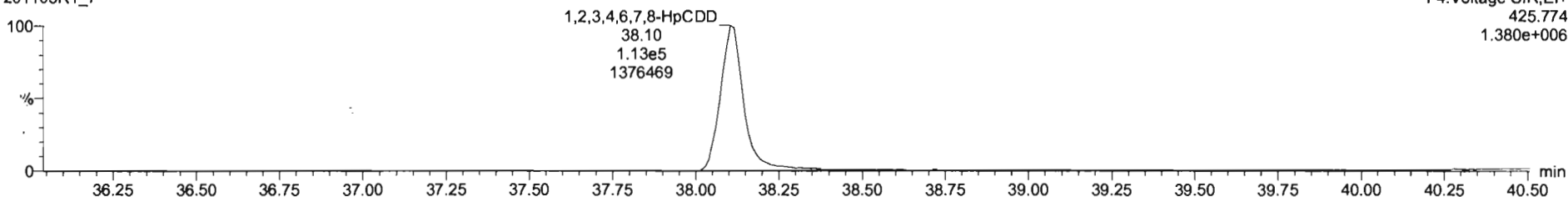
Name: 201105R1\_7, Date: 05-Nov-2020, Time: 16:14:16, ID: B0J0169-BS1 OPR 10, Description: OPR

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

201105R1\_7

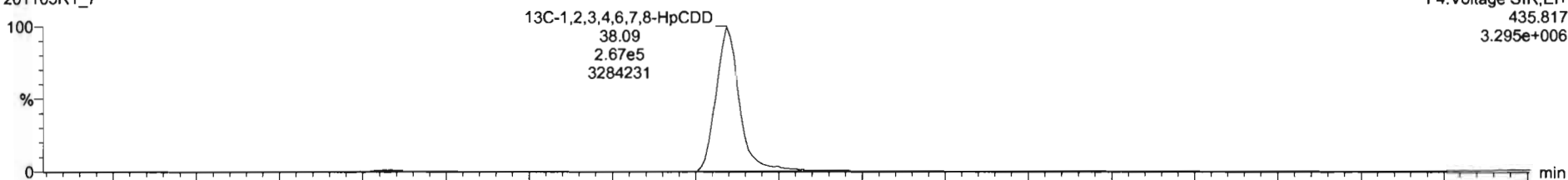


201105R1\_7

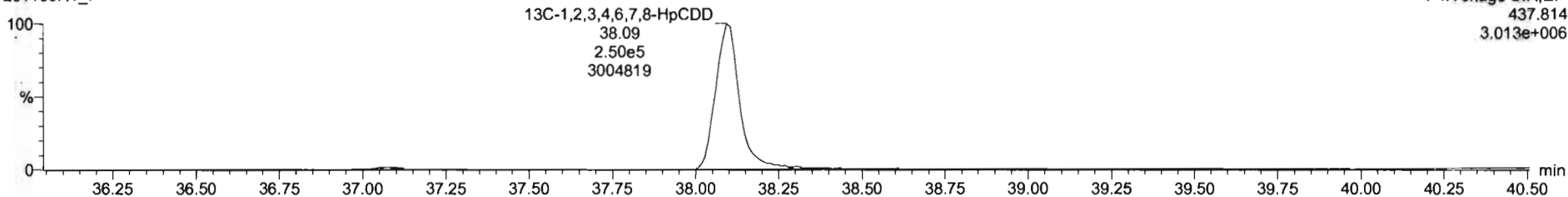


**13C-1,2,3,4,6,7,8-HpCDD**

201105R1\_7



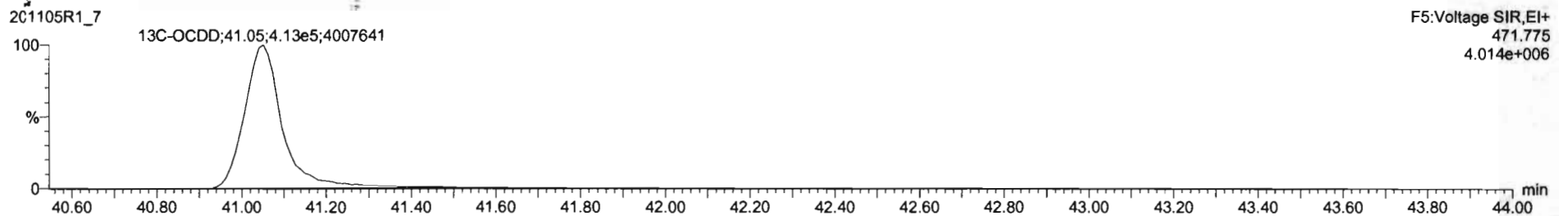
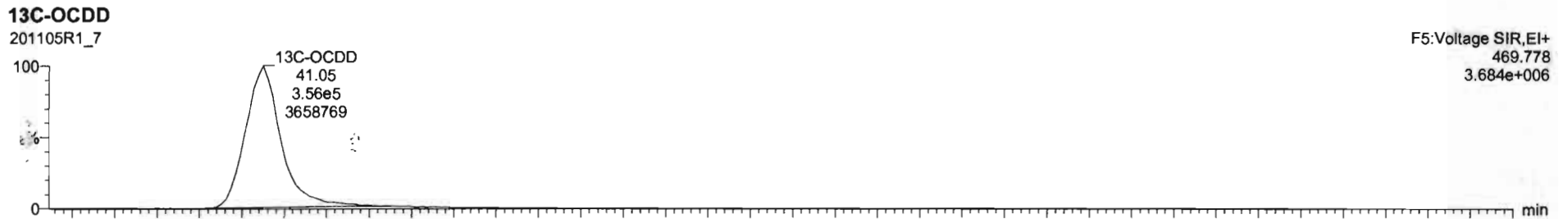
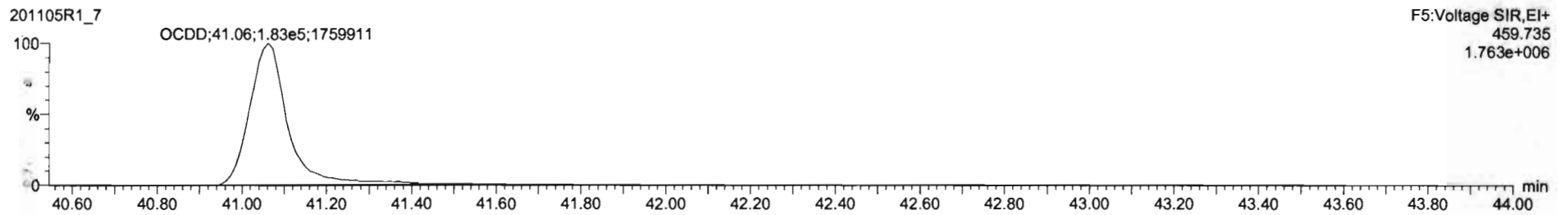
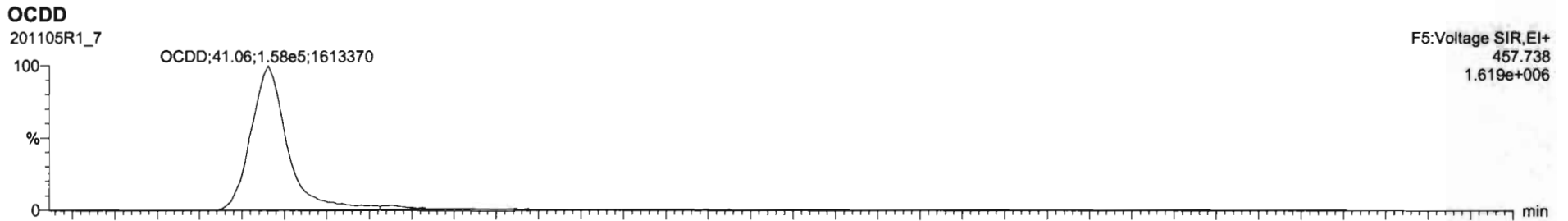
201105R1\_7



Dataset: Untitled

Last Altered: Friday, November 06, 2020 08:10:54 Pacific Standard Time  
Printed: Friday, November 06, 2020 08:12:00 Pacific Standard Time

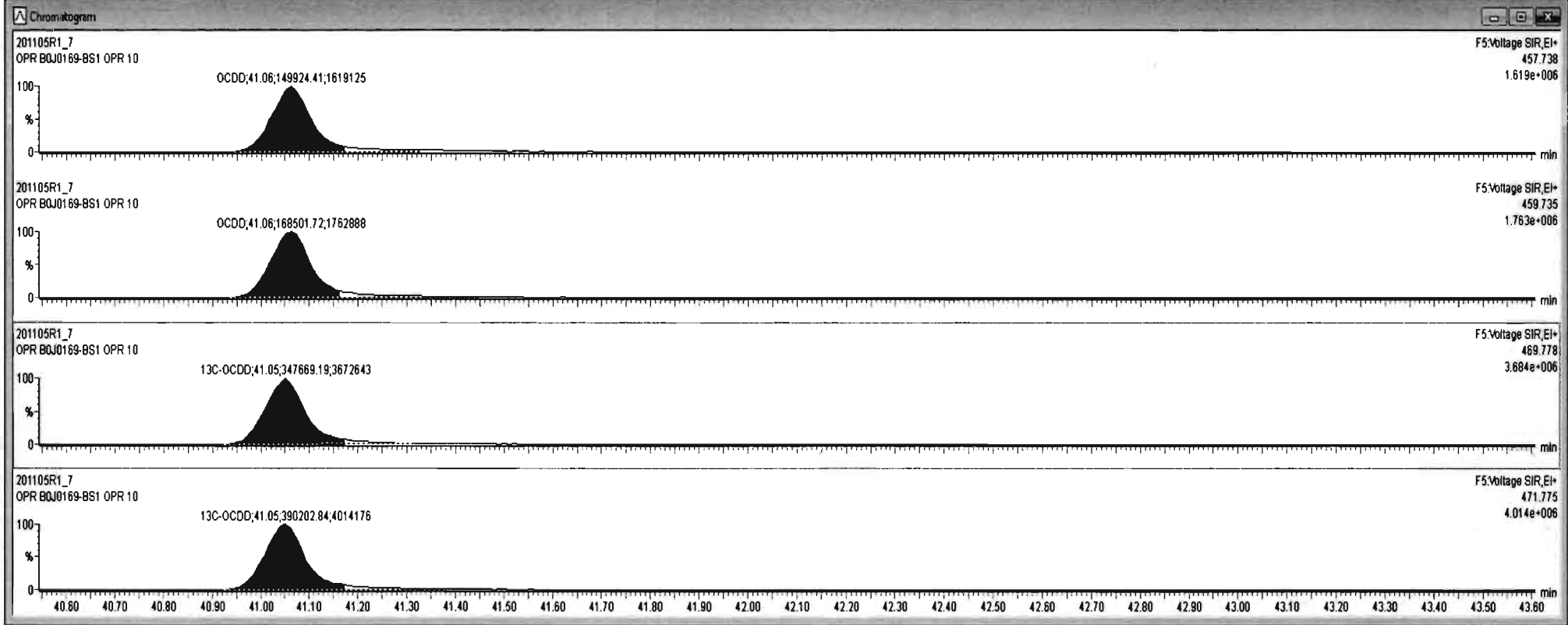
Name: 201105R1\_7, Date: 05-Nov-2020, Time: 16:14:16, ID: B0J0169-BS1 OPR 10, Description: OPR





#	Name	Resp	RA	n/y	RRF	wt/Std	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	8.51e4	0.76	NO	0.95	10.000	26.22	1.001	19.7		0.0460	19.7
2	1,2,3,7,8-PeCDD	3.47e5	0.61	NO	0.89	10.000	30.92	1.001	106		0.132	106
3	1,2,3,4,7,8-HxCDD	2.82e5	1.26	NO	1.02	10.000	34.22	1.000	104		0.277	104
4	1,2,3,6,7,8-HxCDD	2.98e5	1.25	NO	0.91	10.000	34.35	1.000	100		0.282	100
5	1,2,3,7,8,9-HxCDD	2.82e5	1.24	NO	0.93	10.000	34.62	1.000	100		0.303	100
6	1,2,3,4,6,7,8-HpCDD	2.28e5	1.03	NO	0.87	10.000	38.10	1.000	102		0.528	102
7	OCDD	3.18e5	0.89	NO	0.87	10.000	41.06	1.000	198		0.596	198

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



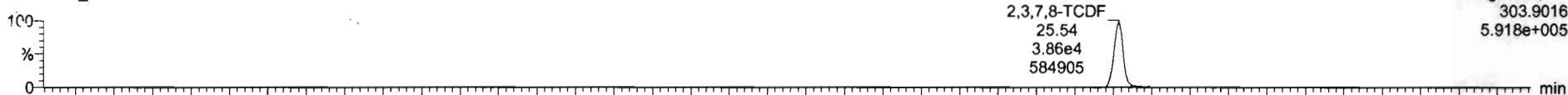
Dataset: Untitled

Last Altered: Friday, November 06, 2020 08:10:54 Pacific Standard Time  
Printed: Friday, November 06, 2020 08:12:00 Pacific Standard Time

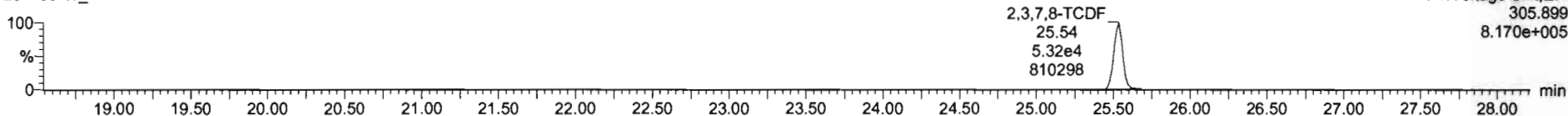
Name: 201105R1\_7, Date: 05-Nov-2020, Time: 16:14:16, ID: B0J0169-BS1 OPR 10, Description: OPR

**2,3,7,8-TCDF**

201105R1\_7

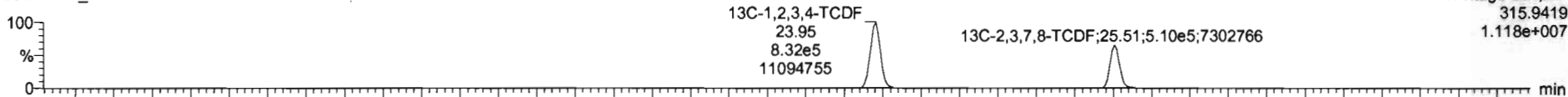


201105R1\_7

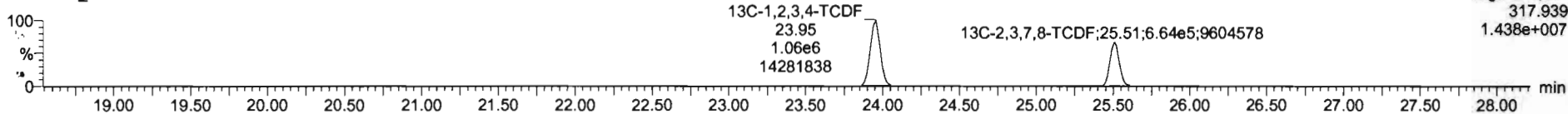


**13C-2,3,7,8-TCDF**

201105R1\_7

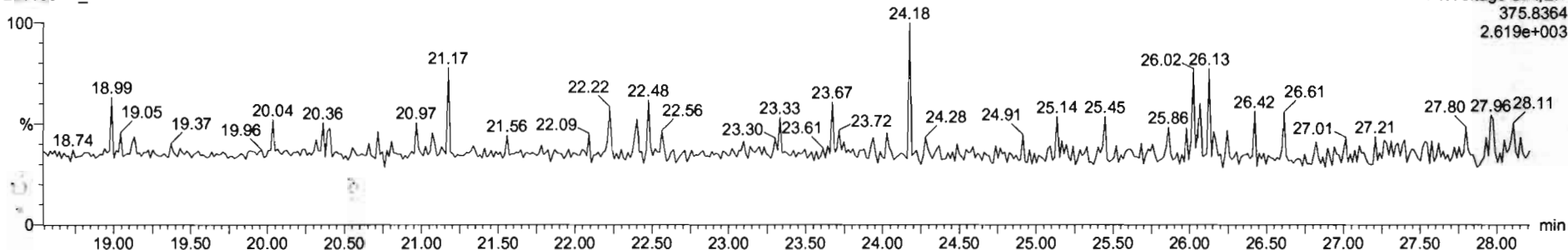


201105R1\_7



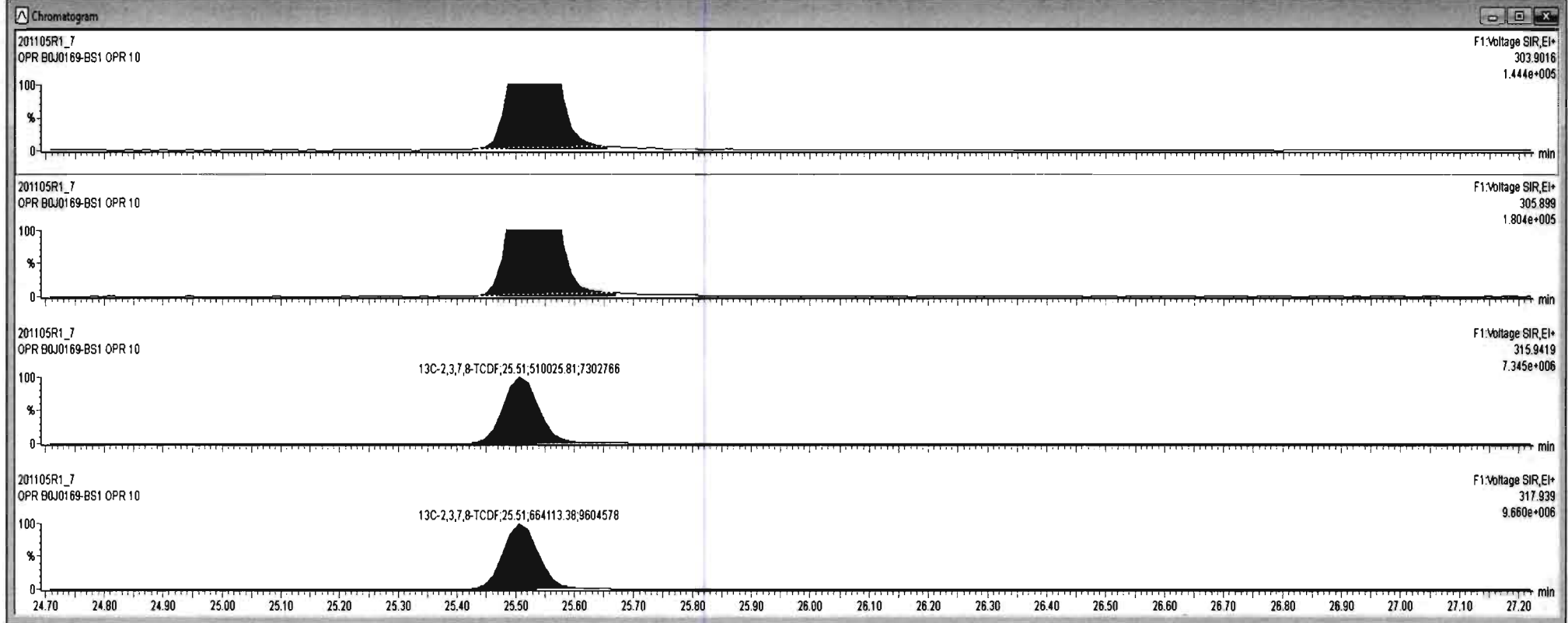
**DPE1**

201105R1\_7



Name	Resp	RA	n/y	RRF	wtAval	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD	8.51e4	0.76	NO	0.95	10.000	26.22	1.001	19.7		0.0460	19.7
2 1,2,3,7,8-PeCDD	3.47e5	0.61	NO	0.89	10.000	30.92	1.001	106		0.132	106
3 1,2,3,4,7,8-HxCDD	2.82e5	1.26	NO	1.02	10.000	34.22	1.000	104		0.277	104
4 1,2,3,6,7,8-HxCDD	2.98e5	1.25	NO	0.91	10.000	34.35	1.000	100		0.282	100
5 1,2,3,7,8,9-HxCDD	2.82e5	1.24	NO	0.93	10.000	34.62	1.000	100		0.303	100
6 1,2,3,4,6,7,8-HpCDD	2.29e5	1.03	NO	0.87	10.000	38.10	1.000	102		0.528	102
7 OCDD	3.40e5	0.88	NO	0.87	10.000	41.06	1.000	203		0.875	203

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



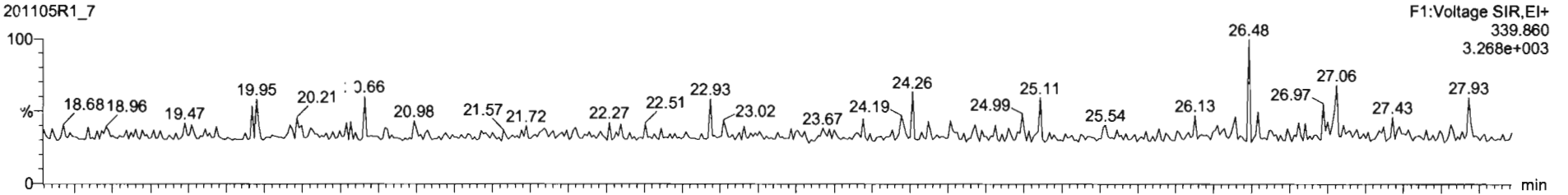
Dataset: Untitled

Last Altered: Friday, November 06, 2020 08:10:54 Pacific Standard Time  
Printed: Friday, November 06, 2020 08:12:00 Pacific Standard Time

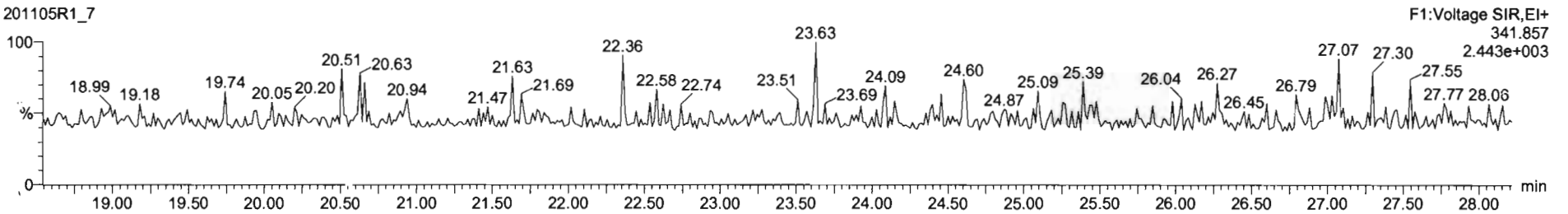
Name: 201105R1\_7, Date: 05-Nov-2020, Time: 16:14:16, ID: B0J0169-BS1 OPR 10, Description: OPR

1st Func. Penta-Furans

201105R1\_7

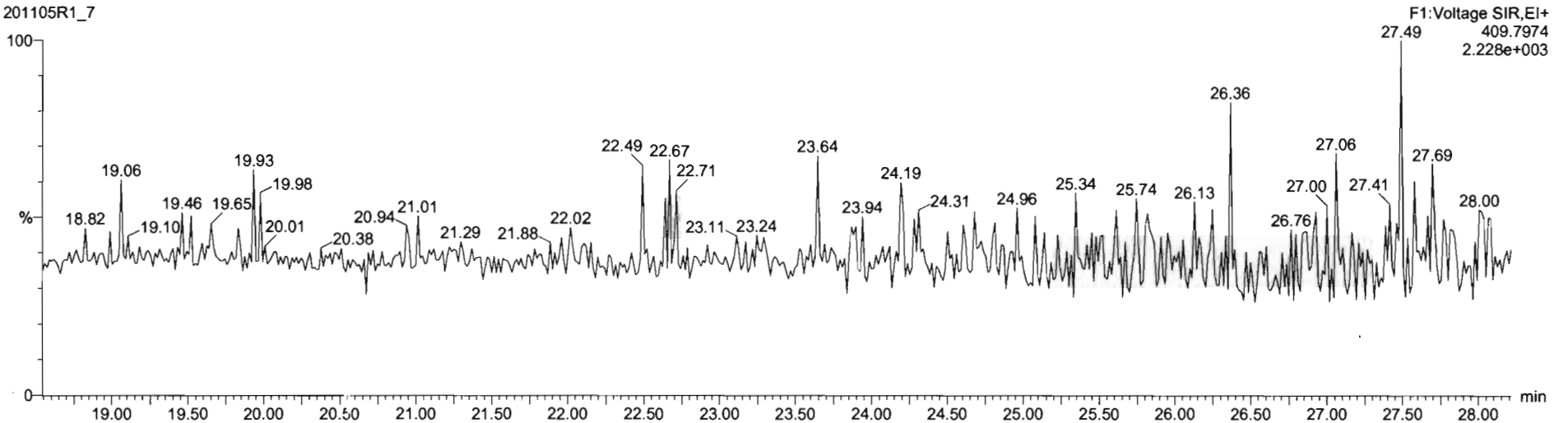


201105R1\_7



DPE6

201105R1\_7





Dataset: Untitled

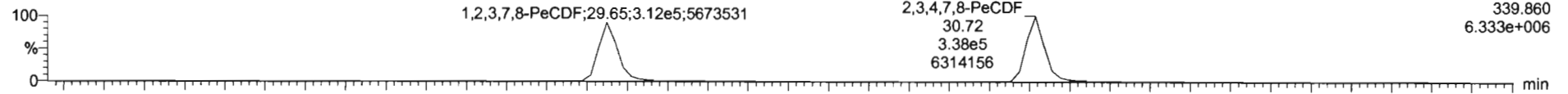
Last Altered: Friday, November 06, 2020 08:10:54 Pacific Standard Time

Printed: Friday, November 06, 2020 08:12:00 Pacific Standard Time

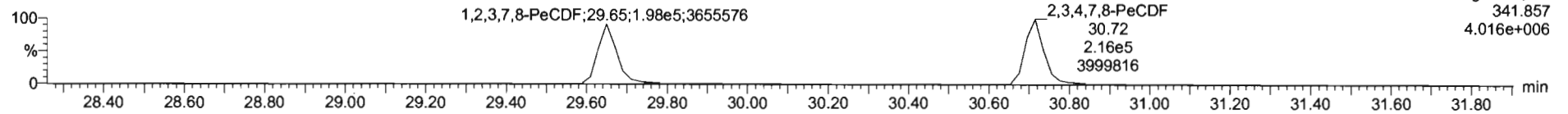
Name: 201105R1\_7, Date: 05-Nov-2020, Time: 16:14:16, ID: B0J0169-BS1 OPR 10, Description: OPR

**1,2,3,7,8-PeCDF**

201105R1\_7

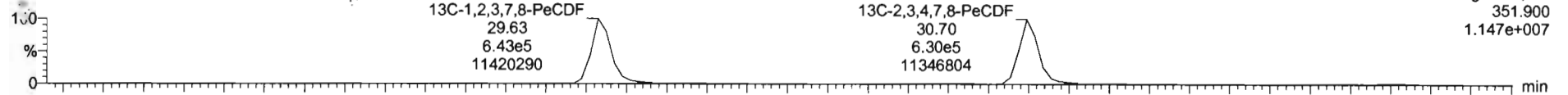


201105R1\_7

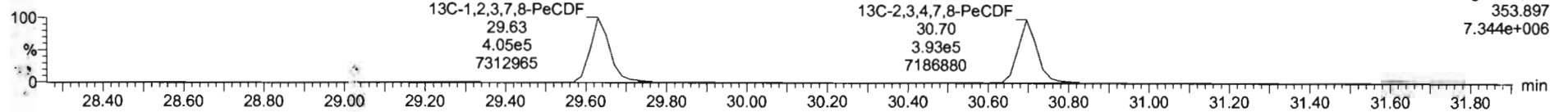


**13C-1,2,3,7,8-PeCDF**

201105R1\_7

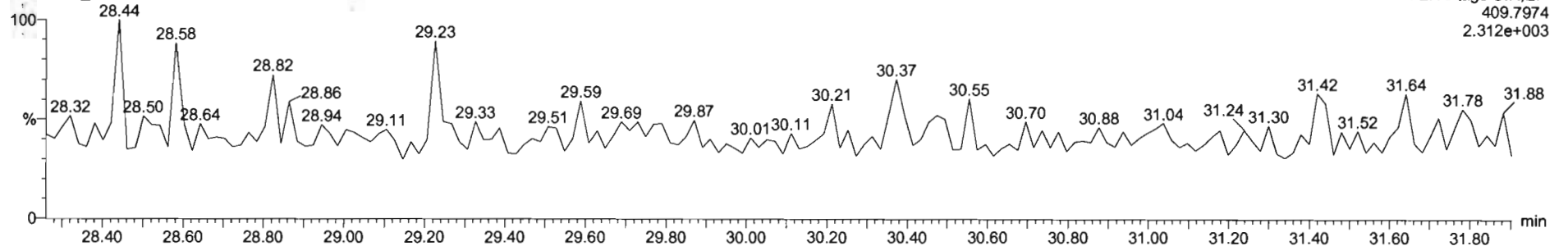


201105R1\_7



**DPE2**

201105R1\_7



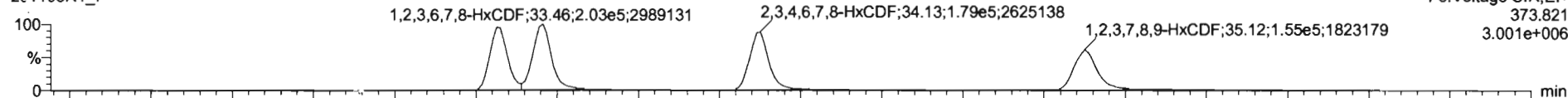
Dataset: Untitled

Last Altered: Friday, November 06, 2020 08:10:54 Pacific Standard Time  
Printed: Friday, November 06, 2020 08:12:00 Pacific Standard Time

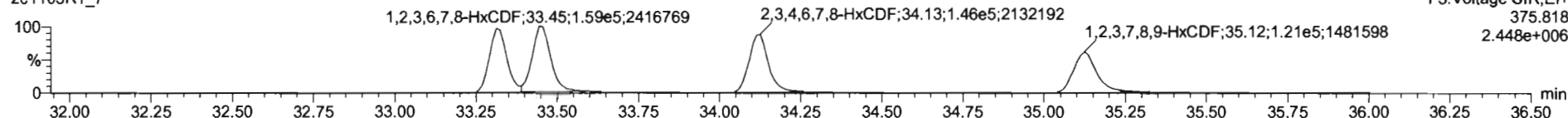
Name: 201105R1\_7, Date: 05-Nov-2020, Time: 16:14:16, ID: B0J0169-BS1 OPR 10, Description: OPR

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

201105R1\_7

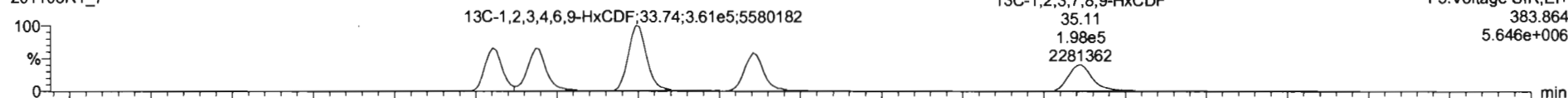


201105R1\_7

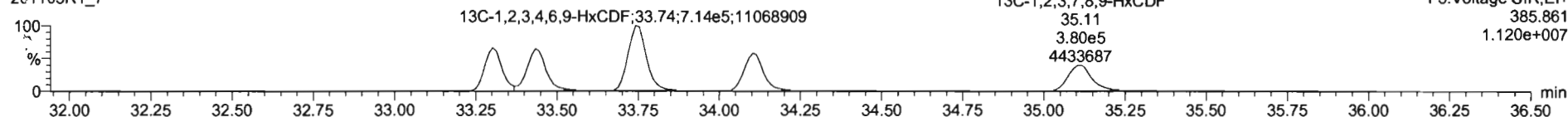


13C-1,2,3,4,7,8-HxCDF

201105R1\_7

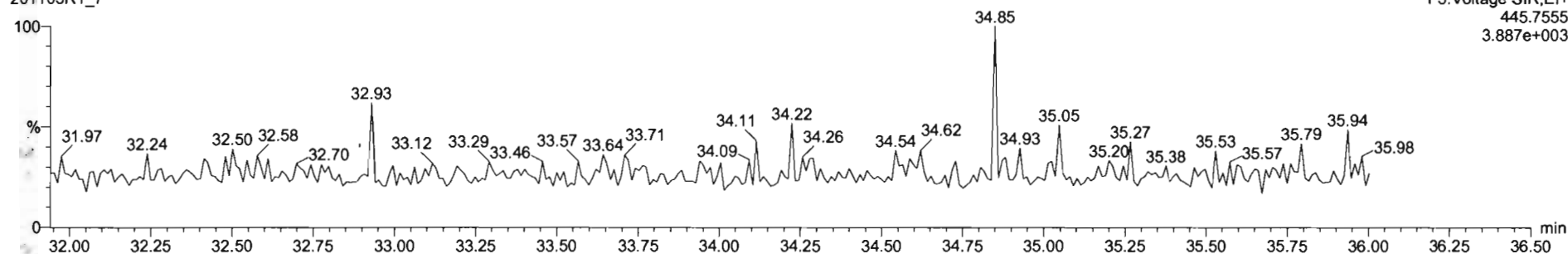


201105R1\_7



DPE3

201105R1\_7

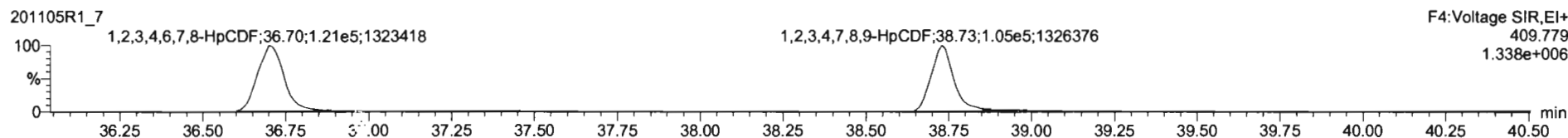
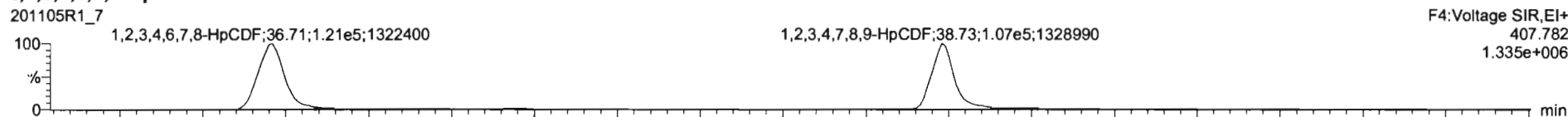


Dataset: Untitled

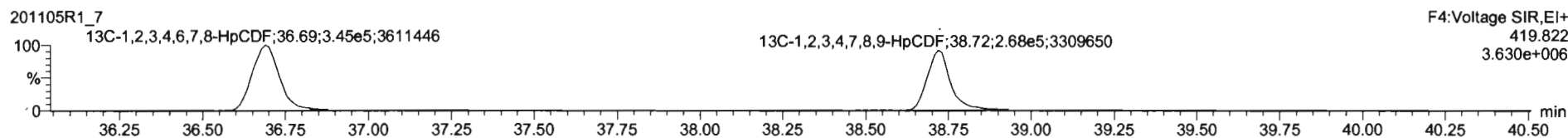
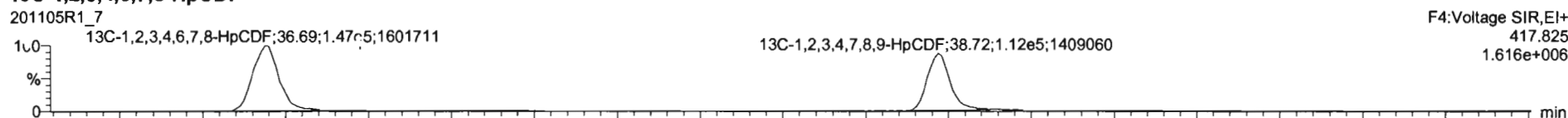
Last Altered: Friday, November 06, 2020 08:10:54 Pacific Standard Time  
Printed: Friday, November 06, 2020 08:12:00 Pacific Standard Time

Name: 201105R1\_7, Date: 05-Nov-2020, Time: 16:14:16, ID: B0J0169-BS1 OPR 10, Description: OPR

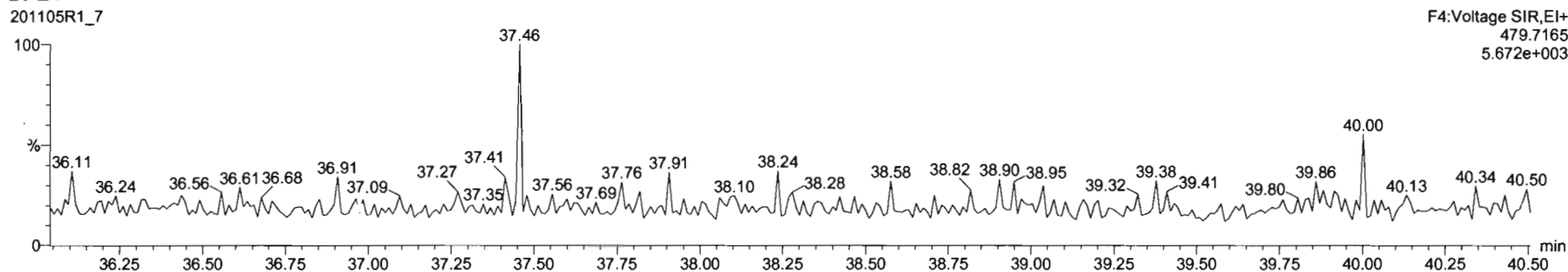
**1,2,3,4,6,7,8-HpCDF**



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



**DPE4**



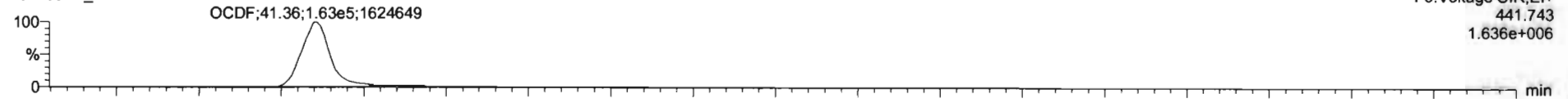
Dataset: Untitled

Last Altered: Friday, November 06, 2020 08:10:54 Pacific Standard Time  
Printed: Friday, November 06, 2020 08:12:00 Pacific Standard Time

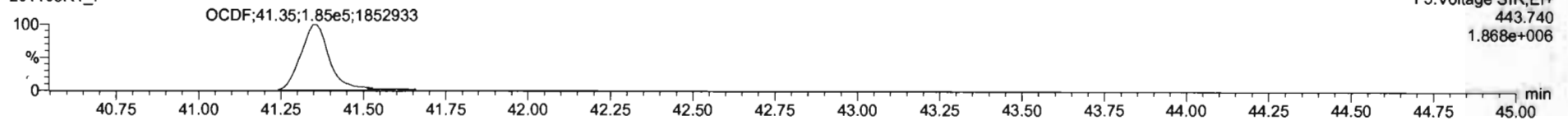
Name: 201105R1\_7, Date: 05-Nov-2020, Time: 16:14:16, ID: B0J0169-BS1 OPR 10, Description: OPR

**OCDF**

201105R1\_7

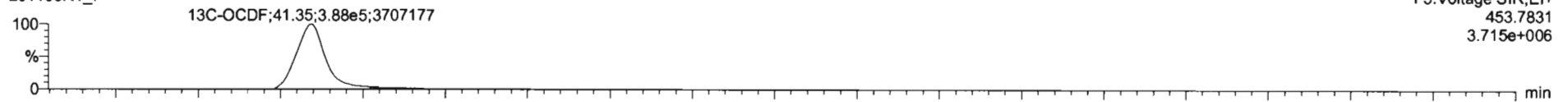


201105R1\_7

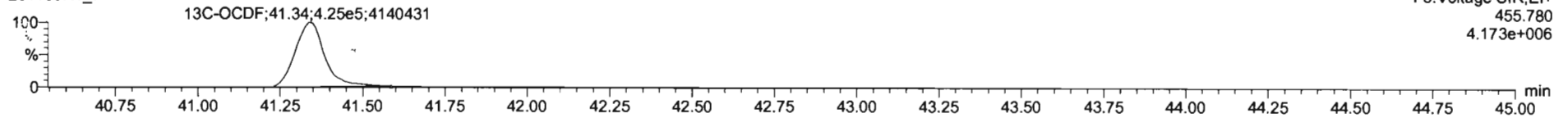


**13C-OCDF**

201105R1\_7

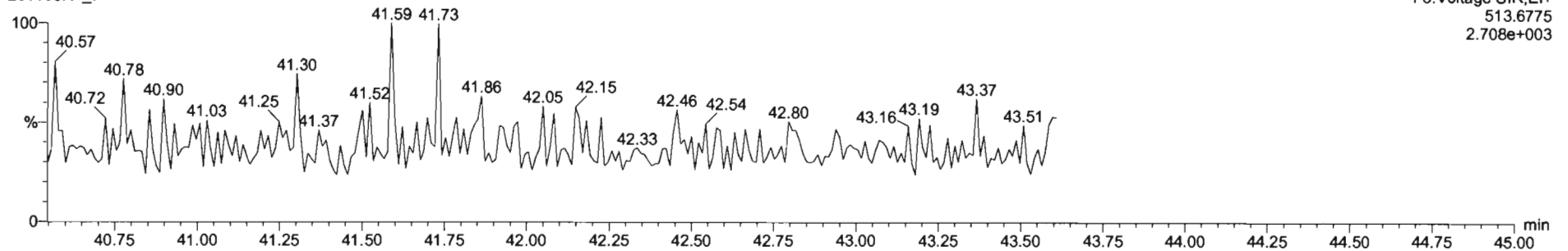


201105R1\_7



**DPE5**

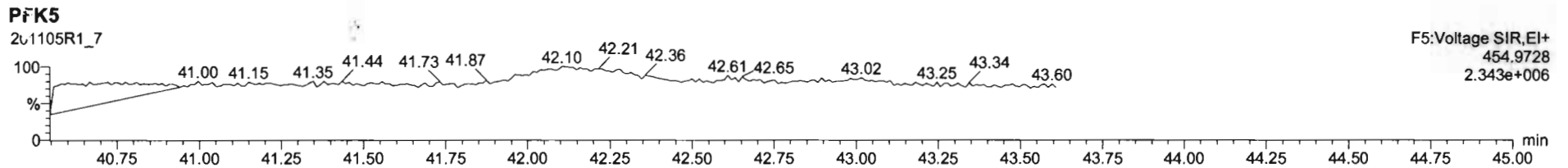
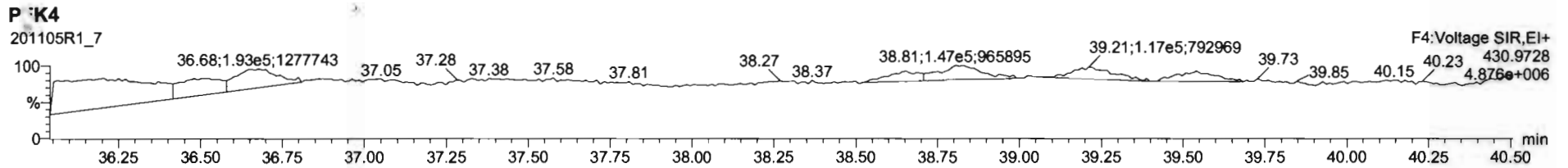
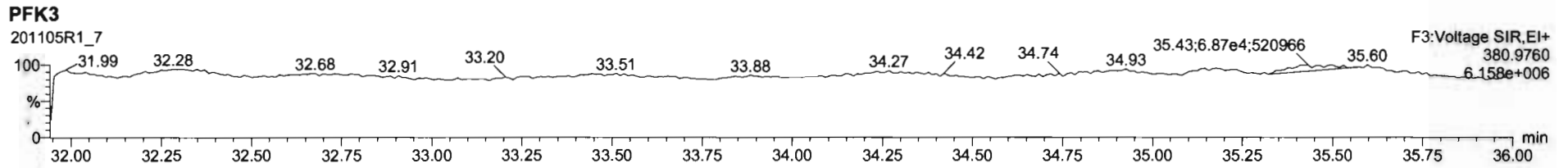
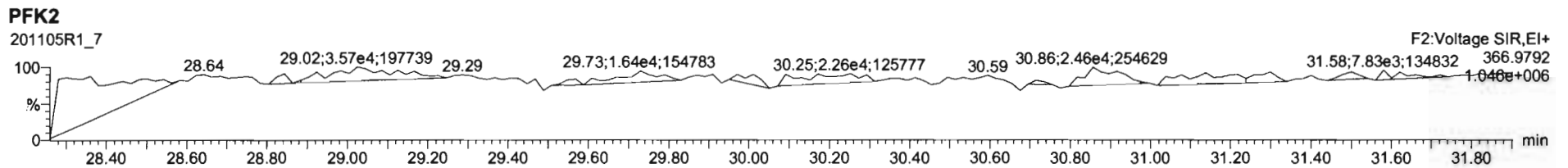
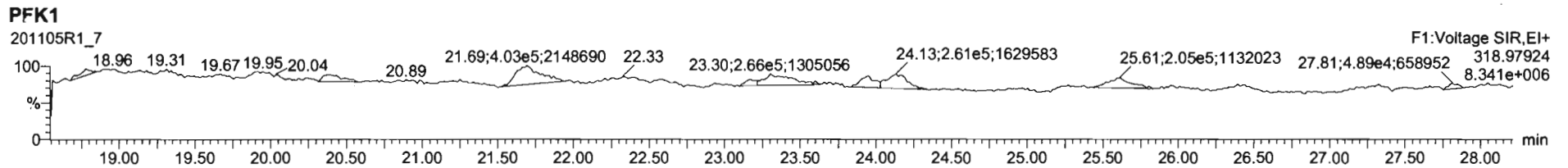
201105R1\_7



Dataset: Untitled

Last Altered: Friday, November 06, 2020 08:10:54 Pacific Standard Time  
Printed: Friday, November 06, 2020 08:12:00 Pacific Standard Time

Name: 201105R1\_7, Date: 05-Nov-2020, Time: 16:14:16, ID: B0J0169-BS1 OPR 10, Description: OPR



Dataset: U:\VG12.PRO\Results\201108R1\201108R1-9.qld

Last Altered: Monday, November 09, 2020 11:56:46 AM Pacific Standard Time

Printed: Monday, November 09, 2020 11:58:04 AM Pacific Standard Time

*GRB 11/09/2020*

Method: U:\VG12.PRO\MethDB\1613rrt-10-20-20.mdb 04 Nov 2020 10:00:50

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-10-20-20.cdb 20 Oct 2020 13:36:10

*G 11/09/2020*

Name: 201108R1\_9, Date: 08-Nov-2020, Time: 15:08:59, ID: 2002132-01 USMPDI-055SG-201006 27.7, Description: USMPDI-055SG-201006

	# 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	1.75e3	0.43	YES	0.950	10.137	26.215	26.20	1.001	1.001	0.45006		0.0503	0.312
2	2 1,2,3,7,8-PeCDD	2.02e3	0.59	NO	0.885	10.137	30.885	30.90	1.000	1.001	0.73456		0.110	0.735
3	3 1,2,3,4,7,8-HxCDD	2.27e3	1.14	NO	1.02	10.137	34.229	34.22	1.001	1.001	0.92061		0.253	0.921
4	4 1,2,3,6,7,8-HxCDD	1.01e4	1.19	NO	0.915	10.137	34.333	34.33	1.000	1.000	3.8502		0.256	3.85
5	5 1,2,3,7,8,9-HxCDD	4.88e3	1.32	NO	0.934	10.137	34.607	34.61	1.000	1.000	1.9692		0.272	1.97
6	6 1,2,3,4,6,7,8-HpCDD	2.14e5	1.03	NO	0.870	10.137	38.082	38.09	1.000	1.000	116.27		0.907	116
7	7 OCDD	1.57e6	0.88	NO	0.872	10.137	41.040	41.05	1.000	1.000	1146.9		0.798	1150
8	8 2,3,7,8-TCDF	4.42e4	0.75	NO	0.824	10.137	25.500	25.52	1.000	1.001	9.5880		0.110	9.59
9	9 1,2,3,7,8-PeCDF	5.32e4	1.56	NO	0.963	10.137	29.637	29.65	1.000	1.001	12.106		0.148	12.1
10	10 2,3,4,7,8-PeCDF	3.04e4	1.53	NO	1.07	10.137	30.695	30.72	1.000	1.001	6.3521		0.129	6.35
11	11 1,2,3,4,7,8-HxCDF	6.28e4	1.22	NO	0.953	10.137	33.291	33.31	1.000	1.001	21.203		0.151	21.2
12	12 1,2,3,6,7,8-HxCDF	1.56e4	1.29	NO	1.01	10.137	33.423	33.44	1.000	1.001	4.8717		0.150	4.87
13	13 2,3,4,6,7,8-HxCDF	5.65e3	1.28	NO	0.991	10.137	34.095	34.13	1.000	1.001	1.9255		0.164	1.93
14	14 1,2,3,7,8,9-HxCDF	3.66e3	1.29	NO	0.951	10.137	35.102	35.13	1.000	1.001	1.4380		0.222	1.44
15	15 1,2,3,4,6,7,8-HpCDF	3.83e4	1.02	NO	0.999	10.137	36.682	36.69	1.000	1.000	17.842		0.244	17.8
16	16 1,2,3,4,7,8,9-HpCDF	7.35e3	0.97	NO	1.12	10.137	38.708	38.72	1.000	1.000	3.9572		0.236	3.96
17	17 OCDF	6.63e4	0.86	NO	0.868	10.137	41.333	41.35	1.000	1.001	47.011		0.262	47.0
18	18 13C-2,3,7,8-TCDD	8.07e5	0.78	NO	1.11	10.137	26.162	26.19	1.029	1.030	188.46	95.5	0.209	
19	19 13C-1,2,3,7,8-PeCDD	6.13e5	0.61	NO	0.859	10.137	30.780	30.88	1.211	1.215	184.97	93.8	0.308	
20	20 13C-1,2,3,4,7,8-HxCDD	4.79e5	1.29	NO	0.700	10.137	34.190	34.20	1.013	1.014	187.68	95.1	0.508	
21	21 13C-1,2,3,6,7,8-HxCDD	5.64e5	1.27	NO	0.833	10.137	34.318	34.32	1.017	1.017	185.69	94.1	0.426	
22	22 13C-1,2,3,7,8,9-HxCDD	5.23e5	1.25	NO	0.762	10.137	34.588	34.60	1.025	1.025	188.49	95.5	0.466	
23	23 13C-1,2,3,4,6,7,8-HpCDD	4.18e5	1.03	NO	0.650	10.137	38.026	38.08	1.127	1.129	176.61	89.5	0.664	
24	24 13C-OCDD	6.20e5	0.90	NO	0.539	10.137	40.958	41.04	1.214	1.216	315.54	80.0	0.474	
25	25 13C-2,3,7,8-TCDF	1.10e6	0.78	NO	0.981	10.137	25.496	25.49	1.003	1.003	198.60	101	0.262	
26	26 13C-1,2,3,7,8-PeCDF	9.01e5	1.59	NO	0.792	10.137	29.540	29.63	1.162	1.166	200.72	102	0.537	
27	27 13C-2,3,4,7,8-PeCDF	8.85e5	1.59	NO	0.778	10.137	30.592	30.69	1.204	1.208	200.73	102	0.546	
28	28 13C-1,2,3,4,7,8-HxCDF	6.13e5	0.51	NO	0.954	10.137	33.292	33.29	0.987	0.987	176.28	89.3	0.642	
29	29 13C-1,2,3,6,7,8-HxCDF	6.28e5	0.51	NO	1.01	10.137	33.431	33.42	0.991	0.991	171.17	86.8	0.608	
30	30 13C-2,3,4,6,7,8-HxCDF	5.85e5	0.51	NO	0.921	10.137	34.089	34.09	1.010	1.010	174.12	88.3	0.665	

Dataset: U:\VG12.PRO\Results\201108R1\201108R1-9.qld

Last Altered: Monday, November 09, 2020 11:56:46 AM Pacific Standard Time

Printed: Monday, November 09, 2020 11:58:04 AM Pacific Standard Time

Name: 201108R1\_9, Date: 08-Nov-2020, Time: 15:08:59, ID: 2002132-01 USMPDI-055SG-201006 27.7, Description: USMPDI-055SG-201006

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
31	31 13C-1,2,3,7,8,9-HxCDF	5.28e5	0.51	NO	0.803	10.137	35.087	35.10	1.040	1.040	180.34	91.4	0.762	
32	32 13C-1,2,3,4,6,7,8-HpCDF	4.24e5	0.42	NO	0.735	10.137	36.653	36.68	1.086	1.087	158.27	80.2	0.594	
33	33 13C-1,2,3,4,7,8,9-HpCDF	3.26e5	0.42	NO	0.568	10.137	38.637	38.71	1.145	1.147	157.50	79.8	0.770	
34	34 13C-OCDF	6.41e5	0.86	NO	0.629	10.137	41.248	41.33	1.222	1.225	279.28	70.8	0.437	
35	35 37Cl-2,3,7,8-TCDD	3.69e5			1.09	10.137	26.180	26.20	1.030	1.031	87.848	111	0.0819	
36	36 13C-1,2,3,4-TCDD	7.62e5	0.79	NO	1.00	10.137	25.430	25.42	1.000	1.000	197.30	100	0.232	
37	37 13C-1,2,3,4-TCDF	1.12e6	0.78	NO	1.00	10.137	24.130	23.94	1.000	1.000	197.30	100	0.257	
38	38 13C-1,2,3,4,6,9-HxCDF	7.19e5	0.51	NO	1.00	10.137	33.840	33.74	1.000	1.000	197.30	100	0.612	
39	39 Total Tetra-Dioxins				0.950	10.137	24.620		0.000		4.4533		0.0583	4.91
40	40 Total Penta-Dioxins				0.885	10.137	29.960		0.000		6.1553		0.110	7.52
41	41 Total Hexa-Dioxins				0.915	10.137	33.635		0.000		46.297		0.271	46.3
42	42 Total Hepta-Dioxins				0.870	10.137	37.640		0.000		355.55		0.907	356
43	43 Total Tetra-Furans				0.824	10.137	23.610		0.000		28.552		0.110	32.0
44	44 1st Func. Penta-Furans				0.963	10.137	27.230		0.000		5.9412		0.0311	5.94
45	45 Total Penta-Furans				0.963	10.137	29.275		0.000		34.585		0.145	34.6
46	46 Total Hexa-Furans				0.991	10.137	33.555		0.000		53.972		0.167	54.0
47	47 Total Hepta-Furans				0.999	10.137	37.835		0.000		57.810		0.253	57.8

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\201108R1\201108R1-9.qld

Last Altered: Monday, November 09, 2020 11:56:46 AM Pacific Standard Time

Printed: Monday, November 09, 2020 11:58:04 AM Pacific Standard Time

Method: U:\VG12.PRO\MethDB\1613rrt-10-20-20.mdb 04 Nov 2020 10:00:50

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-10-20-20.cdb 20 Oct 2020 13:36:10

Name: 201108R1\_9, Date: 08-Nov-2020, Time: 15:08:59, ID: 2002132-01 USMPDI-055SG-201006 27.7, Description: USMPDI-055SG-201006

**Tetra-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	22.42	2.619e4	4.209e4	2.488e3	3.216e3	0.77	NO	5.704e3	1.4679	1.4679	0.0583
2	Total Tetra-Dioxins	22.79	9.609e3	1.127e4	7.300e2	1.021e3	0.71	NO	1.752e3	0.45079	0.45079	0.0583
3	Total Tetra-Dioxins	23.32	3.089e3	4.885e3	2.449e2	4.090e2	0.60	YES	0.000e0	0.00000	0.14490	0.0583
4	Total Tetra-Dioxins	24.13	9.881e3	7.598e3	5.156e2	6.038e2	0.85	NO	1.119e3	0.28810	0.28810	0.0583
5	Total Tetra-Dioxins	24.35	5.726e3	6.440e3	4.099e2	5.192e2	0.79	NO	9.290e2	0.23911	0.23911	0.0583
6	Total Tetra-Dioxins	24.57	7.812e3	6.353e3	4.486e2	5.370e2	0.84	NO	9.856e2	0.25367	0.25367	0.0583
7	Total Tetra-Dioxins	25.93	4.305e4	5.881e4	2.919e3	3.895e3	0.75	NO	6.814e3	1.7537	1.7537	0.0583
8	2,3,7,8-TCDD	26.20	8.673e3	2.158e4	5.268e2	1.225e3	0.43	YES	1.752e3	0.00000	0.31166	0.0583

**Penta-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	28.62	2.713e4	4.413e4	2.243e3	3.560e3	0.63	NO	5.803e3	2.1088	2.1088	0.110
2	Total Penta-Dioxins	29.10	1.458e4	1.889e4	8.299e2	1.214e3	0.68	NO	2.044e3	0.74268	0.74268	0.110
3	Total Penta-Dioxins	29.65	1.563e4	2.794e4	9.882e2	1.530e3	0.65	NO	2.518e3	0.91521	0.91521	0.110
4	Total Penta-Dioxins	29.81	1.790e4	2.865e4	9.226e2	1.594e3	0.58	NO	0.000e0	0.00000	0.91452	0.110
5	Total Penta-Dioxins	29.87	1.059e4	1.724e4	4.624e2	7.658e2	0.60	NO	0.000e0	0.00000	0.44635	0.110
6	Total Penta-Dioxins	30.11	1.393e4	2.194e4	9.785e2	1.679e3	0.58	NO	2.658e3	0.96582	0.96582	0.110
7	Total Penta-Dioxins	30.43	2.636e3	5.689e3	2.238e2	3.913e2	0.57	NO	6.152e2	0.22356	0.22356	0.110
8	1,2,3,7,8-PeCDD	30.90	1.414e4	2.934e4	7.473e2	1.274e3	0.59	NO	2.021e3	0.73456	0.73456	0.110
9	Total Penta-Dioxins	30.98	5.015e3	6.695e3	2.403e2	3.683e2	0.65	NO	6.086e2	0.22116	0.22116	0.110
10	Total Penta-Dioxins	31.26	4.383e3	6.543e3	2.622e2	4.078e2	0.64	NO	6.700e2	0.24348	0.24348	0.110



Dataset: U:\VG12.PRO\Results\201108R1\201108R1-9.qld

Last Altered: Monday, November 09, 2020 11:56:46 AM Pacific Standard Time  
 Printed: Monday, November 09, 2020 11:58:04 AM Pacific Standard Time

Name: 201108R1\_9, Date: 08-Nov-2020, Time: 15:08:59, ID: 2002132-01 USMPDI-055SG-201006 27.7, Description: USMPDI-055SG-201006

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	32.58	5.358e5	4.073e5	2.544e4	1.984e4	1.28	NO	4.528e4	18.713	18.713	0.271
2	Total Hexa-Dioxins	33.18	4.767e4	4.606e4	2.931e3	2.461e3	1.19	NO	5.392e3	2.2288	2.2288	0.271
3	Total Hexa-Dioxins	33.47	2.907e5	2.303e5	2.123e4	1.717e4	1.24	NO	3.841e4	15.874	15.874	0.271
4	Total Hexa-Dioxins	33.58	4.405e4	3.544e4	2.651e3	2.100e3	1.26	NO	4.751e3	1.9638	1.9638	0.271
5	1,2,3,4,7,8-HxCDD	34.22	1.840e4	1.679e4	1.209e3	1.064e3	1.14	NO	2.273e3	0.92061	0.92061	0.253
6	1,2,3,6,7,8-HxCDD	34.33	8.299e4	7.670e4	5.475e3	4.585e3	1.19	NO	1.006e4	3.8502	3.8502	0.256
7	Total Hexa-Dioxins	34.51	1.812e4	1.459e4	1.027e3	8.524e2	1.20	NO	1.879e3	0.77664	0.77664	0.271
8	1,2,3,7,8,9-HxCDD	34.61	4.823e4	3.039e4	2.774e3	2.108e3	1.32	NO	4.882e3	1.9692	1.9692	0.272

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.08	2.709e6	2.640e6	2.220e5	2.191e5	1.01	NO	4.411e5	239.28	239.28	0.907
2	1,2,3,4,6,7,8-HpCDD	38.09	1.683e6	1.612e6	1.086e5	1.058e5	1.03	NO	2.143e5	116.27	116.27	0.907

Dataset: U:\VG12.PRO\Results\201108R1\201108R1-9.qld

Last Altered: Monday, November 09, 2020 11:56:46 AM Pacific Standard Time  
Printed: Monday, November 09, 2020 11:58:04 AM Pacific Standard Time

Name: 201108R1\_9, Date: 08-Nov-2020, Time: 15:08:59, ID: 2002132-01 USMPDI-055SG-201006 27.7, Description: USMPDI-055SG-201006

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	20.18	8.016e3	1.318e4	7.129e2	1.022e3	0.70	NO	1.735e3	0.37596	0.37596	0.110
2	Total Tetra-Furans	20.73	8.621e3	1.109e4	6.761e2	8.500e2	0.80	NO	1.526e3	0.33070	0.33070	0.110
3	Total Tetra-Furans	21.53	4.720e4	5.921e4	4.351e3	5.932e3	0.73	NO	1.028e4	2.2282	2.2282	0.110
4	Total Tetra-Furans	21.93	7.937e3	8.791e3	4.974e2	5.844e2	0.85	NO	1.082e3	0.23440	0.23440	0.110
5	Total Tetra-Furans	22.03	1.111e4	1.334e4	1.012e3	1.467e3	0.69	NO	0.000e0	0.00000	0.53712	0.110
6	Total Tetra-Furans	22.14	6.220e3	7.461e3	4.851e2	5.744e2	0.84	NO	1.060e3	0.22959	0.22959	0.110
7	Total Tetra-Furans	22.48	4.707e4	6.817e4	5.214e3	7.265e3	0.72	NO	1.248e4	2.7040	2.7040	0.110
8	Total Tetra-Furans	22.93	2.405e4	3.195e4	2.159e3	2.614e3	0.83	NO	4.773e3	1.0344	1.0344	0.110
9	Total Tetra-Furans	23.08	7.288e3	8.511e3	5.975e2	8.328e2	0.72	NO	1.430e3	0.30994	0.30994	0.110
10	Total Tetra-Furans	23.27	2.229e4	2.116e4	1.440e3	1.713e3	0.84	NO	3.153e3	0.68326	0.68326	0.110
11	Total Tetra-Furans	23.69	5.432e3	5.597e3	3.569e2	4.251e2	0.84	NO	7.820e2	0.16946	0.16946	0.110
12	Total Tetra-Furans	23.81	8.233e3	7.320e3	4.604e2	5.235e2	0.88	NO	9.838e2	0.21318	0.21318	0.110
13	Total Tetra-Furans	24.01	3.923e4	5.598e4	1.671e3	2.210e3	0.76	NO	0.000e0	0.00000	0.84095	0.110
14	Total Tetra-Furans	24.03	4.791e4	6.308e4	4.081e3	5.645e3	0.72	NO	0.000e0	0.00000	2.1076	0.110
15	Total Tetra-Furans	24.50	1.777e5	2.314e5	1.299e4	1.754e4	0.74	NO	3.053e4	6.6155	6.6155	0.110
16	Total Tetra-Furans	24.81	1.043e4	1.434e4	7.143e2	1.091e3	0.65	NO	1.805e3	0.39119	0.39119	0.110
17	Total Tetra-Furans	24.94	5.759e3	7.933e3	2.983e2	4.111e2	0.73	NO	7.093e2	0.15371	0.15371	0.110
18	Total Tetra-Furans	25.23	4.945e3	8.374e3	3.397e2	4.719e2	0.72	NO	8.116e2	0.17586	0.17586	0.110
19	Total Tetra-Furans	25.39	4.343e4	5.329e4	2.864e3	3.930e3	0.73	NO	6.793e3	1.4721	1.4721	0.110
20	2,3,7,8-TCDF	25.52	2.883e5	3.608e5	1.897e4	2.528e4	0.75	NO	4.425e4	9.5880	9.5880	0.110
21	Total Tetra-Furans	25.83	1.713e4	2.785e4	1.603e3	2.252e3	0.71	NO	3.855e3	0.83527	0.83527	0.110
22	Total Tetra-Furans	27.03	8.498e3	9.944e3	5.469e2	6.914e2	0.79	NO	1.238e3	0.26832	0.26832	0.110
23	Total Tetra-Furans	27.41	1.828e4	2.163e4	1.069e3	1.417e3	0.75	NO	2.486e3	0.53866	0.53866	0.110

Penta-Furans function 1

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1st Func. Penta-Furans	27.03	2.538e5	1.640e5	1.596e4	9.916e3	1.61	NO	2.588e4	5.9412	5.9412	0.0311

Dataset: U:\VG12.PRO\Results\201108R1\201108R1-9.qld

Last Altered: Monday, November 09, 2020 11:56:46 AM Pacific Standard Time  
Printed: Monday, November 09, 2020 11:58:04 AM Pacific Standard Time

Name: 201108R1\_9, Date: 08-Nov-2020, Time: 15:08:59, ID: 2002132-01 USMPDI-055SG-201006 27.7, Description: USMPDI-055SG-201006

**Penta-Furans**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	28.48	2.348e4	1.525e4	1.978e3	1.113e3	1.78	NO	3.091e3	0.70965	0.70965	0.145
2	Total Penta-Furans	28.66	2.889e5	1.889e5	2.134e4	1.324e4	1.61	NO	3.458e4	7.9406	7.9406	0.145
3	Total Penta-Furans	29.29	8.314e4	5.016e4	4.865e3	3.142e3	1.55	NO	8.007e3	1.8384	1.8384	0.145
4	Total Penta-Furans	29.45	5.356e4	3.909e4	3.303e3	2.144e3	1.54	NO	5.447e3	1.2507	1.2507	0.145
5	1,2,3,7,8-PeCDF	29.65	5.800e5	3.640e5	3.242e4	2.077e4	1.56	NO	5.319e4	12.106	12.106	0.148
6	Total Penta-Furans	29.89	1.677e5	1.259e5	1.020e4	6.748e3	1.51	NO	1.694e4	3.8905	3.8905	0.145
7	Total Penta-Furans	30.51	1.001e4	7.242e3	5.807e2	3.783e2	1.54	NO	9.590e2	0.22019	0.22019	0.145
8	2,3,4,7,8-PeCDF	30.72	3.327e5	2.089e5	1.840e4	1.203e4	1.53	NO	3.043e4	6.3521	6.3521	0.129
9	Total Penta-Furans	31.62	1.859e4	8.028e3	7.636e2	4.439e2	1.72	NO	1.208e3	0.27727	0.27727	0.145

**Hexa-Furans**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.04	8.578e4	7.723e4	4.491e3	3.624e3	1.24	NO	8.115e3	2.7468	2.7468	0.167
2	Total Hexa-Furans	32.22	2.885e5	2.443e5	1.471e4	1.220e4	1.21	NO	2.691e4	9.1103	9.1103	0.167
3	Total Hexa-Furans	32.84	3.715e5	3.005e5	1.868e4	1.490e4	1.25	NO	3.358e4	11.368	11.368	0.167
4	Total Hexa-Furans	33.18	1.729e4	1.083e4	7.739e2	5.749e2	1.35	NO	1.349e3	0.45657	0.45657	0.167
5	1,2,3,4,7,8-HxCDF	33.31	6.212e5	4.889e5	3.451e4	2.829e4	1.22	NO	6.280e4	21.203	21.203	0.151
6	1,2,3,6,7,8-HxCDF	33.44	1.415e5	1.141e5	8.793e3	6.830e3	1.29	NO	1.562e4	4.8717	4.8717	0.150
7	2,3,4,6,7,8-HxCDF	34.13	5.121e4	3.757e4	3.175e3	2.477e3	1.28	NO	5.652e3	1.9255	1.9255	0.164
8	1,2,3,7,8,9-HxCDF	35.13	4.438e4	3.859e4	2.062e3	1.597e3	1.29	NO	3.659e3	1.4380	1.4380	0.222
9	Total Hexa-Furans	35.15	4.017e4	3.926e4	1.299e3	1.219e3	1.07	NO	2.518e3	0.85219	0.85219	0.167

**Hepta-Furans**

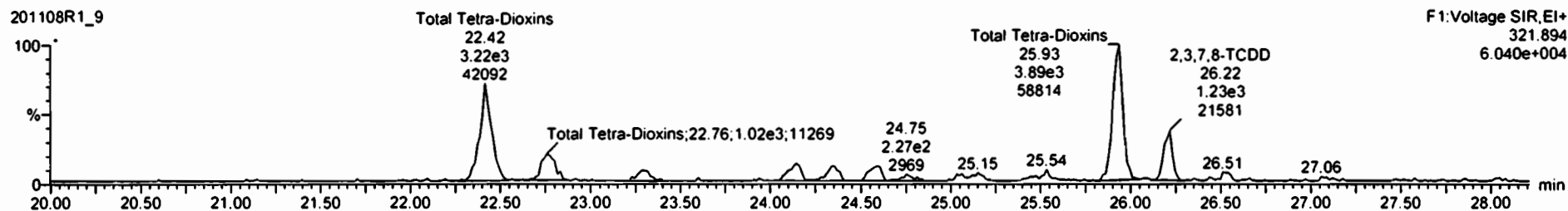
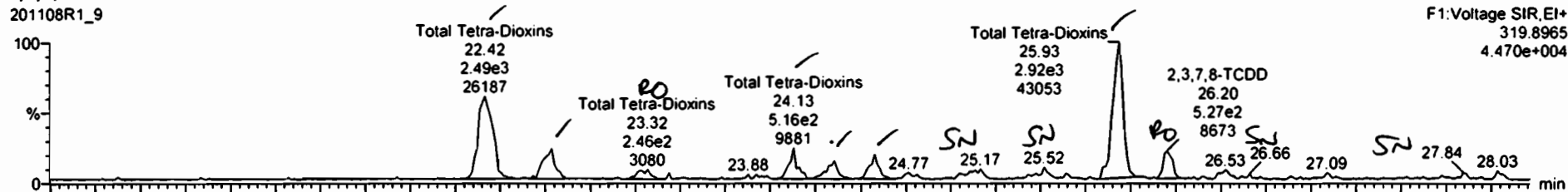
	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	36.69	2.404e5	2.342e5	1.930e4	1.902e4	1.02	NO	3.832e4	17.842	17.842	0.244
2	Total Hepta-Furans	37.41	4.510e5	4.468e5	3.407e4	3.430e4	0.99	NO	6.837e4	36.011	36.011	0.253
3	1,2,3,4,7,8,9-HpCDF	38.72	5.268e4	5.421e4	3.615e3	3.731e3	0.97	NO	7.346e3	3.9572	3.9572	0.236

Dataset: Untitled

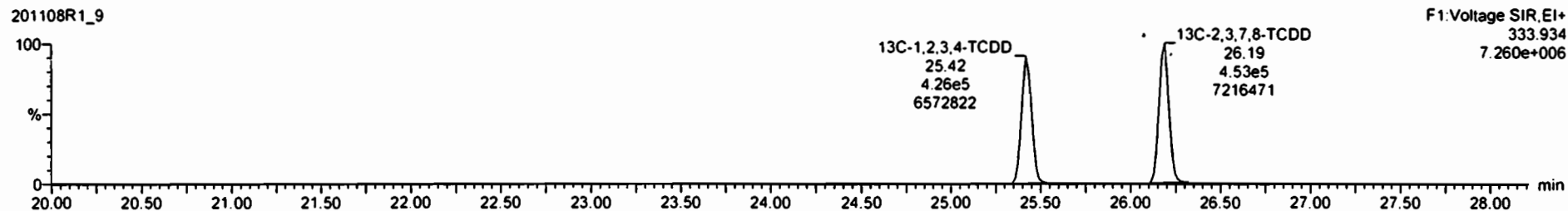
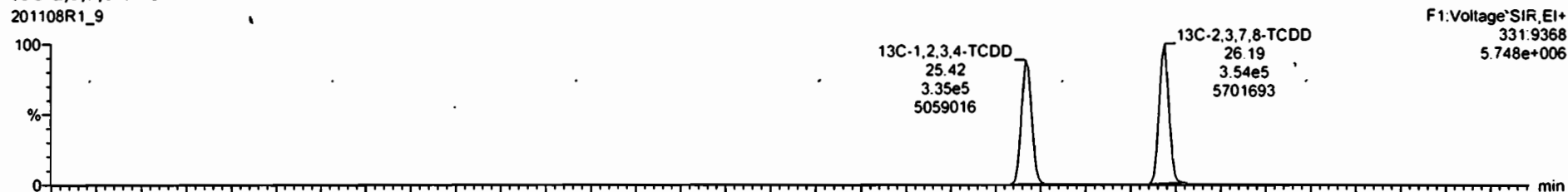
Last Altered: Monday, November 09, 2020 07:07:13 Pacific Standard Time  
Printed: Monday, November 09, 2020 07:09:14 Pacific Standard Time

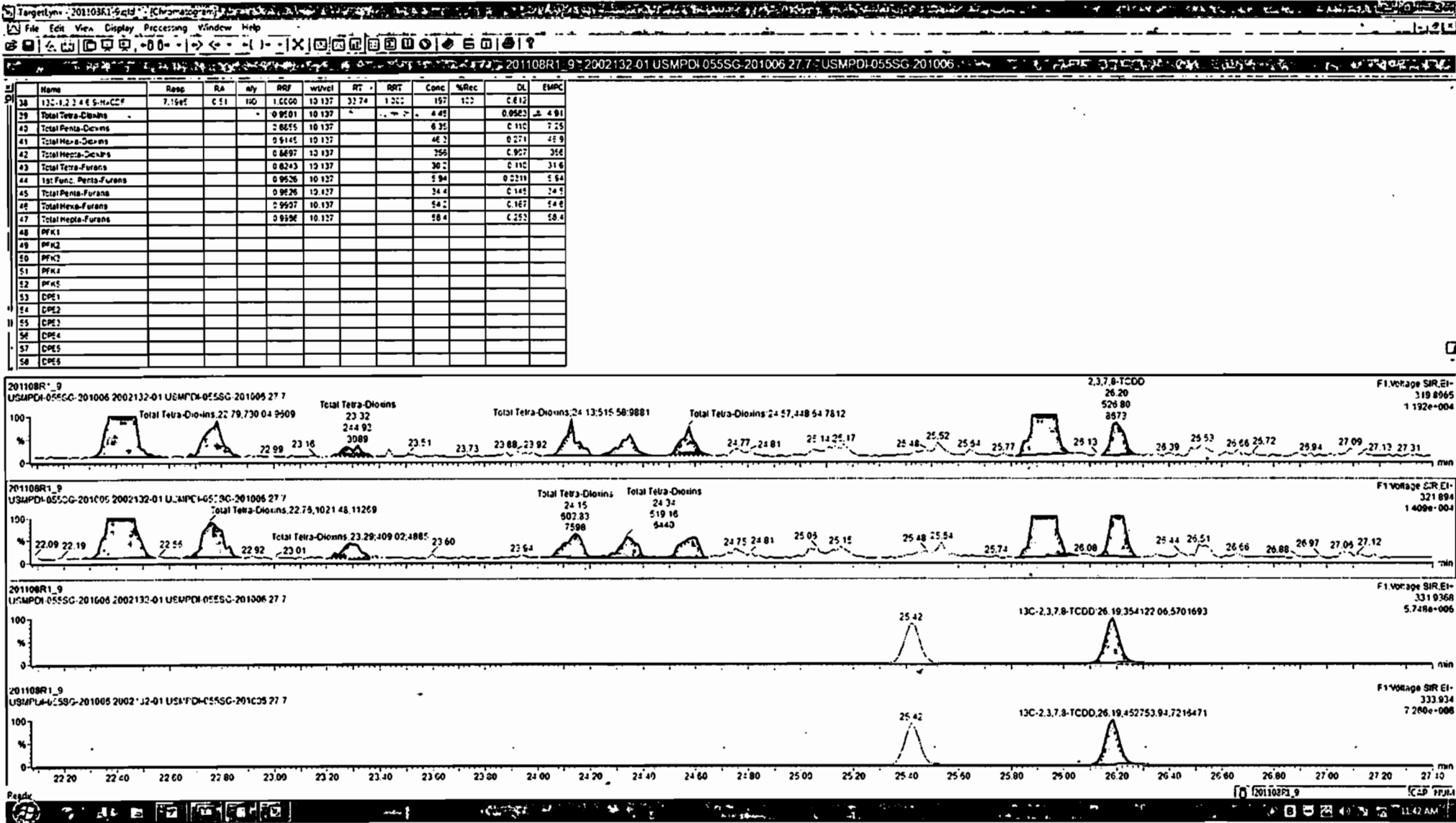
Name: 201108R1\_9, Date: 08-Nov-2020, Time: 15:08:59, ID: 2002132-01 USMPDI-055SG-201006 27.7, Description: USMPDI-055SG-201006

2,3,7,8-TCDD



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





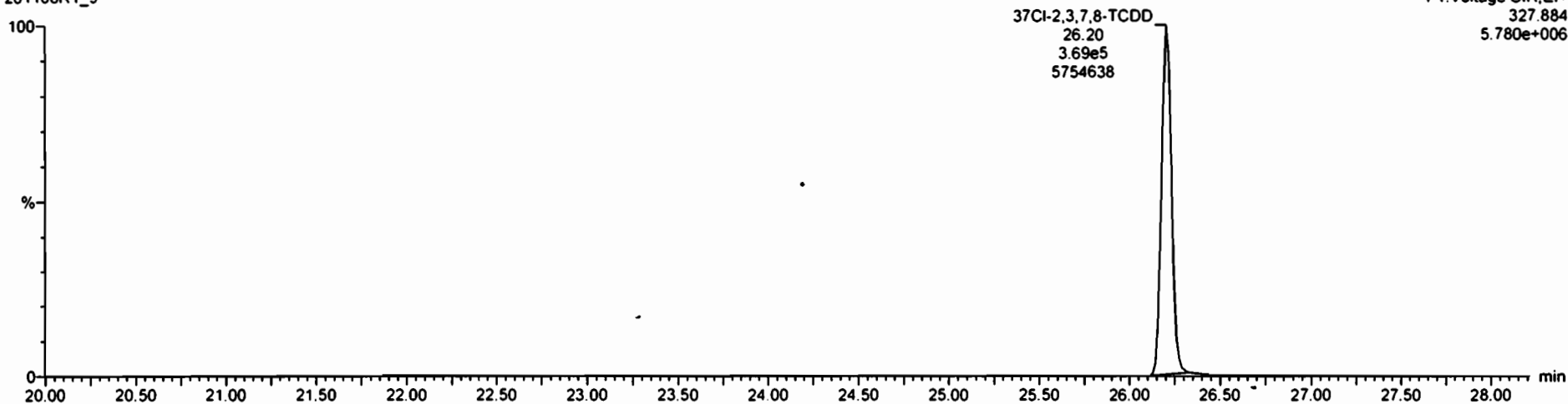
Dataset: Untitled

Last Altered: Monday, November 09, 2020 07:07:13 Pacific Standard Time  
Printed: Monday, November 09, 2020 07:09:14 Pacific Standard Time

Name: 201108R1\_9, Date: 08-Nov-2020, Time: 15:08:59, ID: 2002132-01 USMPDI-055SG-201006 27.7, Description: USMPDI-055SG-201006

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

201108R1\_9

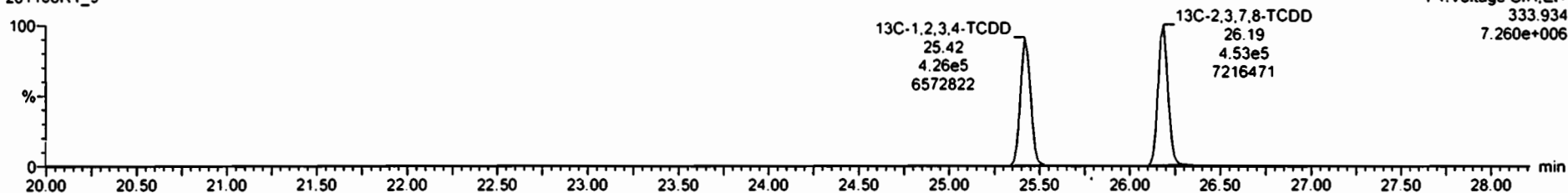


**13C-1,2,3,4-TCDD**

201108R1\_9



201108R1\_9

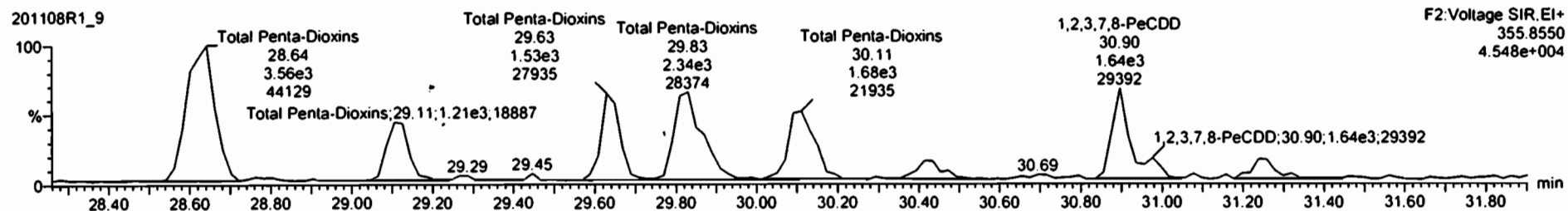
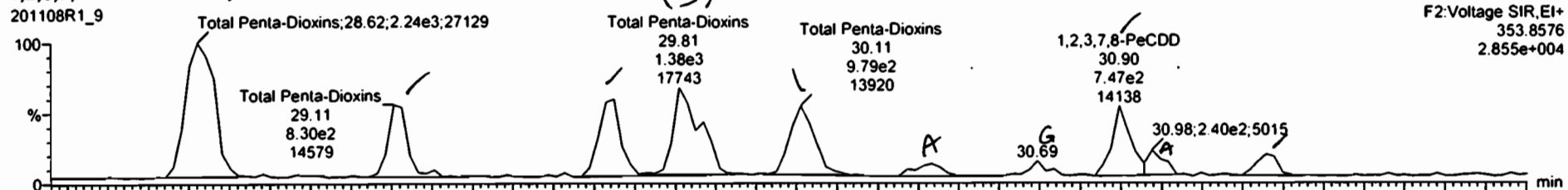


Dataset: Untitled

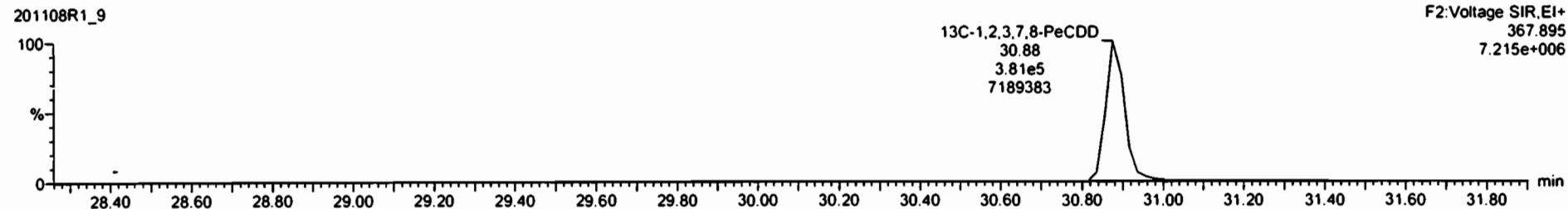
Last Altered: Monday, November 09, 2020 07:07:13 Pacific Standard Time  
Printed: Monday, November 09, 2020 07:09:14 Pacific Standard Time

Name: 201108R1\_9, Date: 08-Nov-2020, Time: 15:08:59, ID: 2002132-01 USMPDI-055SG-201006 27.7, Description: USMPDI-055SG-201006

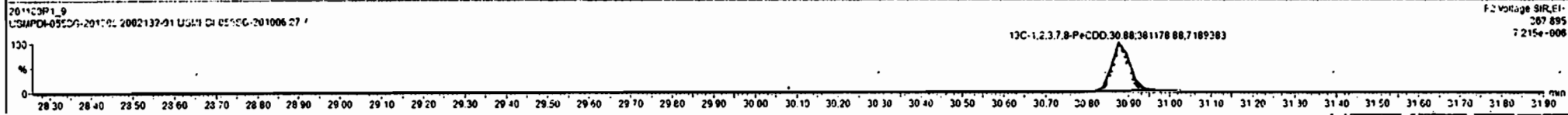
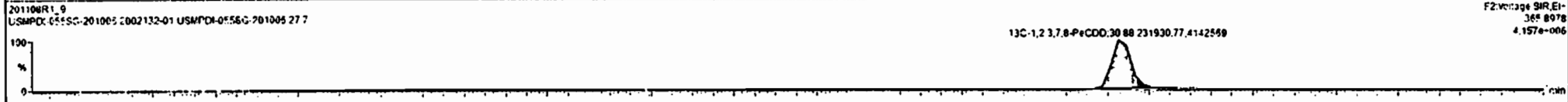
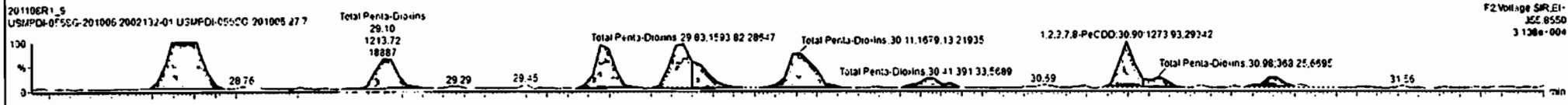
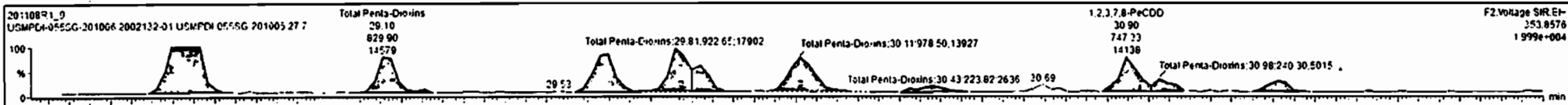
1,2,3,7,8-PeCDD



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



Name	Resp	RA	dy	RRF	wtvol	RT	RRT	Conc	%Rec	DL	ELPC
38 1,2,3,4,6,8-HxCDF	7.15e2	0.51	1.0000	10.127	33.74	1.000	197	0.612	4.91		
39 Total Tetra-Dioxins			0.9521	10.127			4.45	0.0583	4.91		
40 Total Penta-Dioxins			0.8855	10.127			6.16	0.110	7.52		
41 Total Hexa-Dioxins			0.9145	10.127			45.3	0.271	45.3		
42 Total Hepta-Dioxins			0.8697	10.127			756	0.937	356		
43 Total Tetra-Furans			0.8243	10.127			30.2	0.110	31.6		
44 1st Func. Penta-Furans			0.9626	10.127			5.94	0.0211	5.94		
45 Total Penta-Furans			0.9626	10.127			74.4	0.145	74.5		
46 Total Hexa-Furans			0.9537	10.127			54.2	0.167	54.6		
47 Total Hepta-Furans			0.9596	10.127			58.4	0.252	58.4		
48 PK1											
49 PK2											
50 PK3											
51 PK4											
52 PK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											





Dataset: Untitled

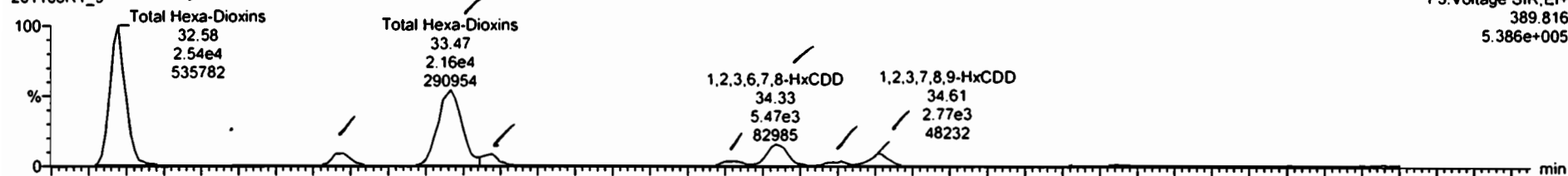
Last Altered: Monday, November 09, 2020 07:07:13 Pacific Standard Time

Printed: Monday, November 09, 2020 07:09:14 Pacific Standard Time

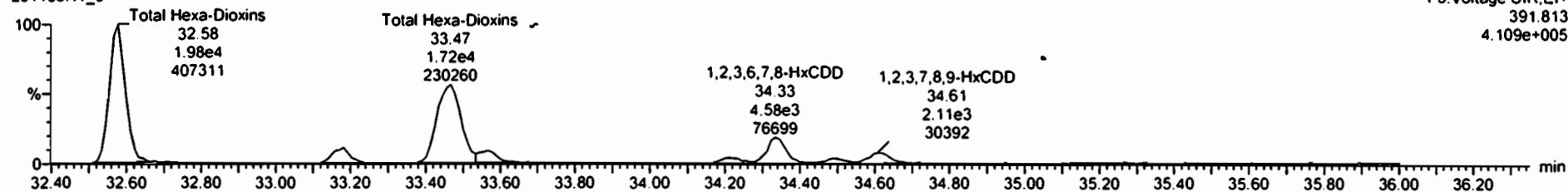
Name: 201108R1\_9, Date: 08-Nov-2020, Time: 15:08:59, ID: 2002132-01 USMPDI-055SG-201006 27.7, Description: USMPDI-055SG-201006

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

201108R1\_9

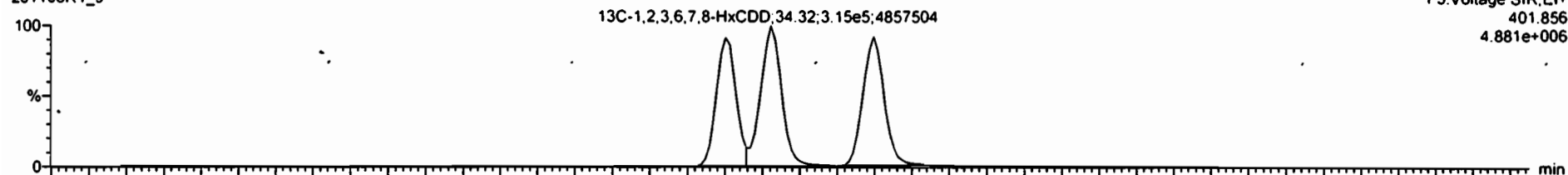


201108R1\_9

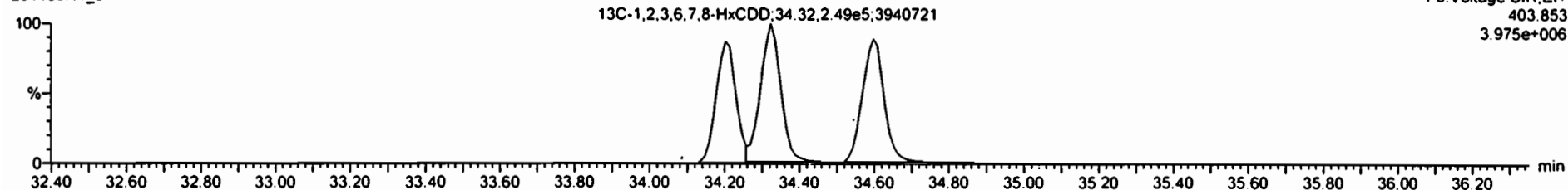


13C-1,2,3,4,7,8-HxCDD

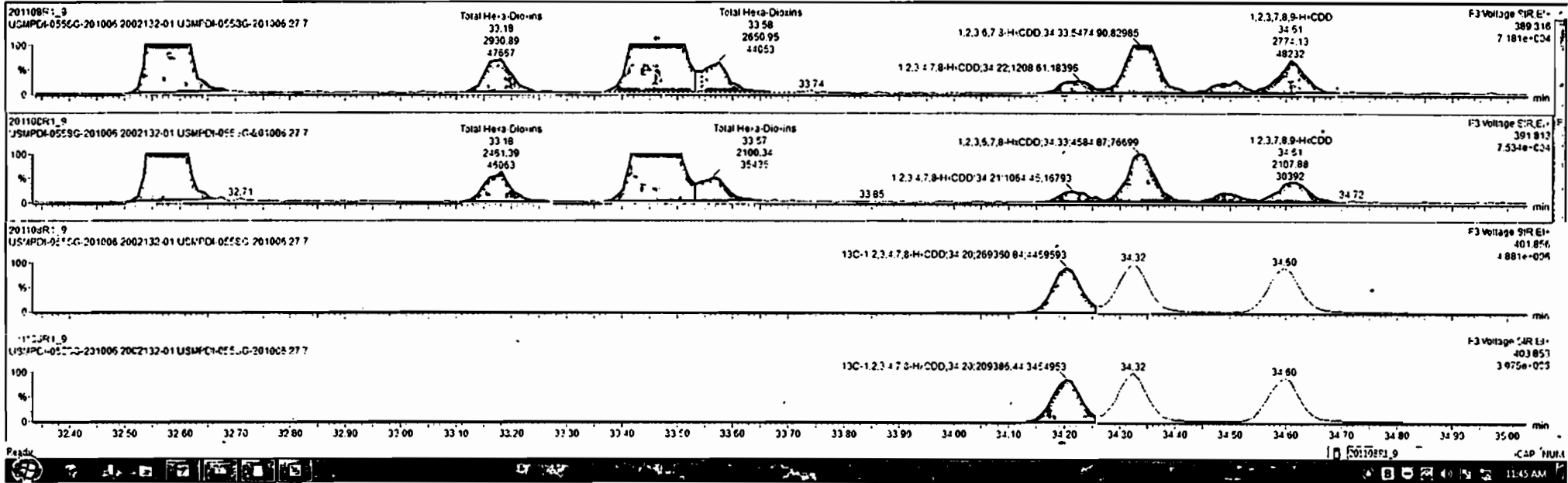
201108R1\_9



201108R1\_9



Name	Resp	RA	dy	RRF	wtWt	RT	RRT	Conc	%Rec	DL	EMPC
32 12C-1,2,3,4,6,9-HxCDF	7.16e	0.51	100	1.0000	10.137	32.74	1.300	197	100	0.812	
39 Total Tetra-Dioxins				0.9501	10.137			4.42	0.0183	4.11	
40 Total Penta-Dioxins				0.8855	10.137			8.16	0.110	7.42	
41 Total Hexa-Dioxins				0.9145	10.137			46.3	0.271	46.3	
42 Total Hepta-Dioxins				0.6697	10.137			35.6	0.907	32.9	
43 Total Tetra-Furans				0.8243	10.137			30.2	0.110	31.5	
44 1st Func. Penta-Furans				0.9526	10.137			5.94	0.0311	5.94	
45 Total Penta-Furans				0.9526	10.137			34.4	0.145	34.5	
46 Total Hexa-Furans				0.9507	10.137			54.2	0.167	54.6	
47 Total Hepta-Furans				0.6986	10.137			56.4	0.252	56.4	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											



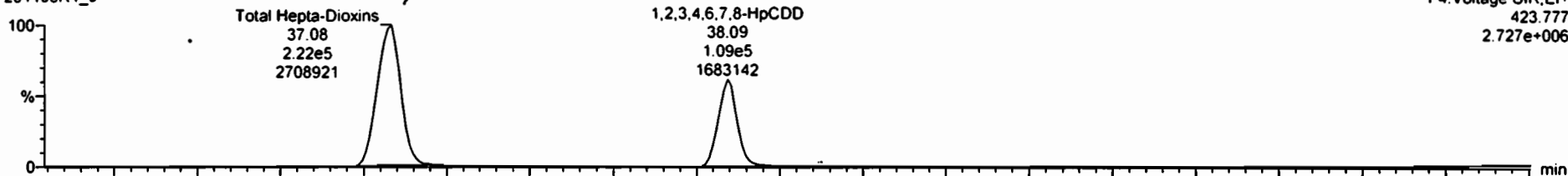
Dataset: Untitled

Last Altered: Monday, November 09, 2020 07:07:13 Pacific Standard Time  
Printed: Monday, November 09, 2020 07:09:14 Pacific Standard Time

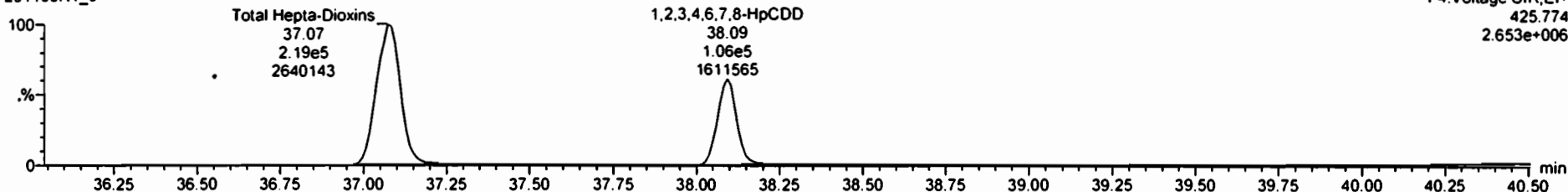
Name: 201108R1\_9, Date: 08-Nov-2020, Time: 15:08:59, ID: 2002132-01 USMPDI-055SG-201006 27.7, Description: USMPDI-055SG-201006

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

201108R1\_9

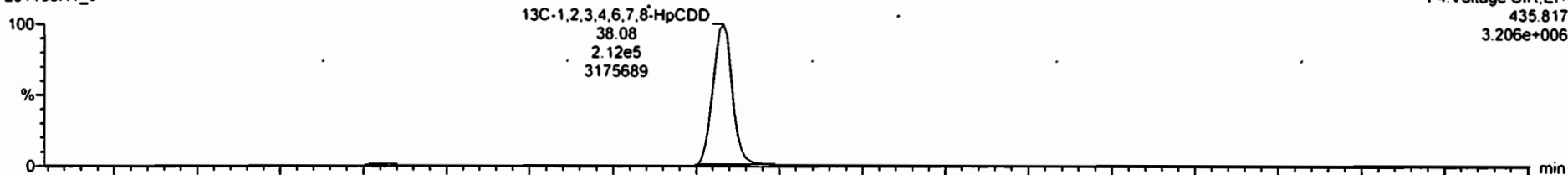


201108R1\_9

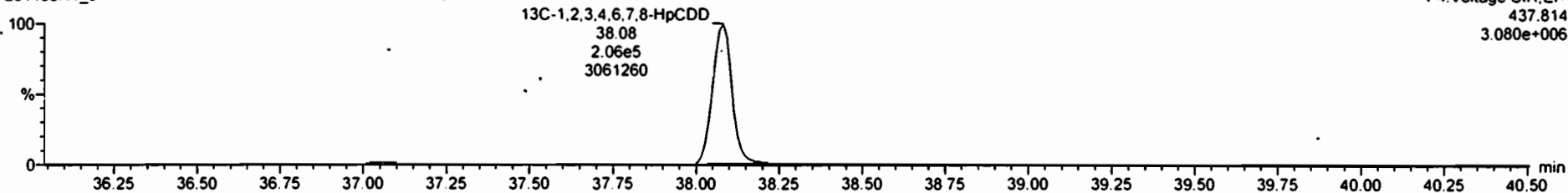


13C-1,2,3,4,6,7,8-HpCDD

201108R1\_9



201108R1\_9

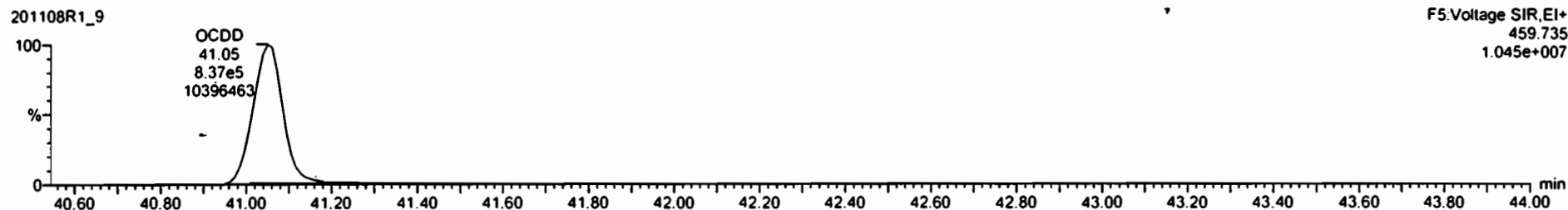


Dataset: Untitled

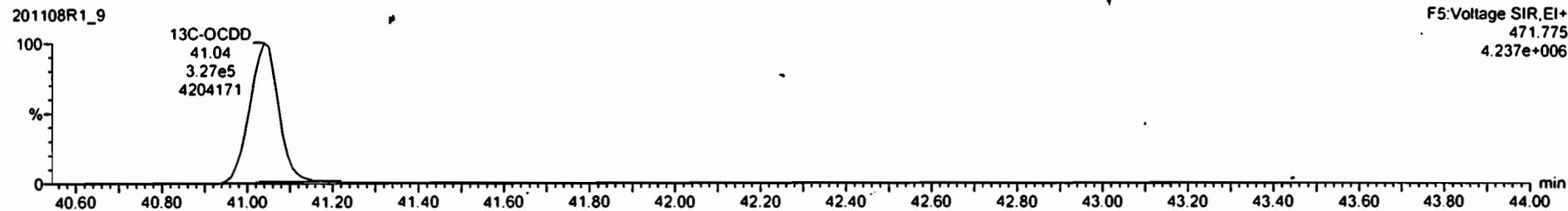
Last Altered: Monday, November 09, 2020 07:07:13 Pacific Standard Time  
Printed: Monday, November 09, 2020 07:09:14 Pacific Standard Time

Name: 201108R1\_9, Date: 08-Nov-2020, Time: 15:08:59, ID: 2002132-01 USMPDI-055SG-201006 27.7, Description: USMPDI-055SG-201006

OCDD



13C-OCDD

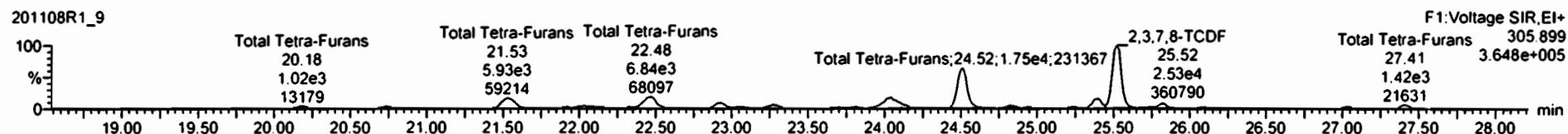
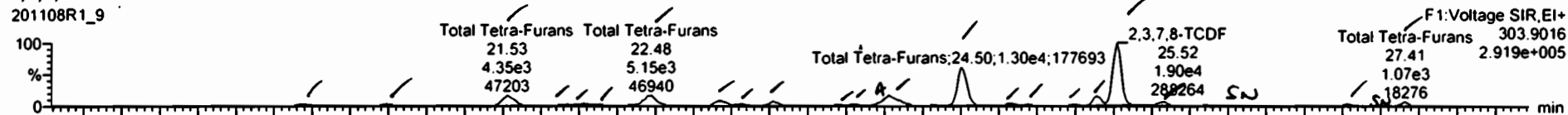


Dataset: Untitled

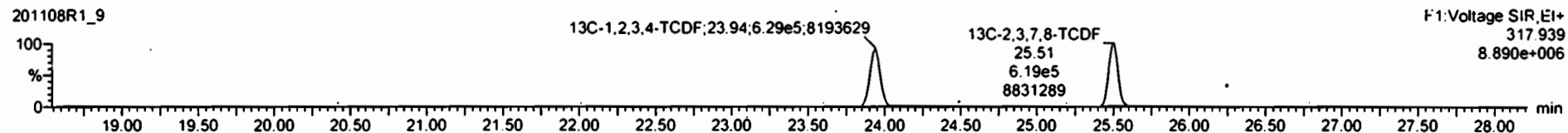
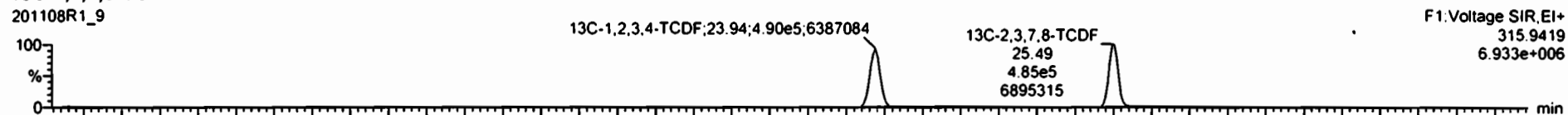
Last Altered: Monday, November 09, 2020 07:07:13 Pacific Standard Time  
Printed: Monday, November 09, 2020 07:09:14 Pacific Standard Time

Name: 201108R1\_9, Date: 08-Nov-2020, Time: 15:08:59, ID: 2002132-01 USMPDI-055SG-201006 27.7, Description: USMPDI-055SG-201006

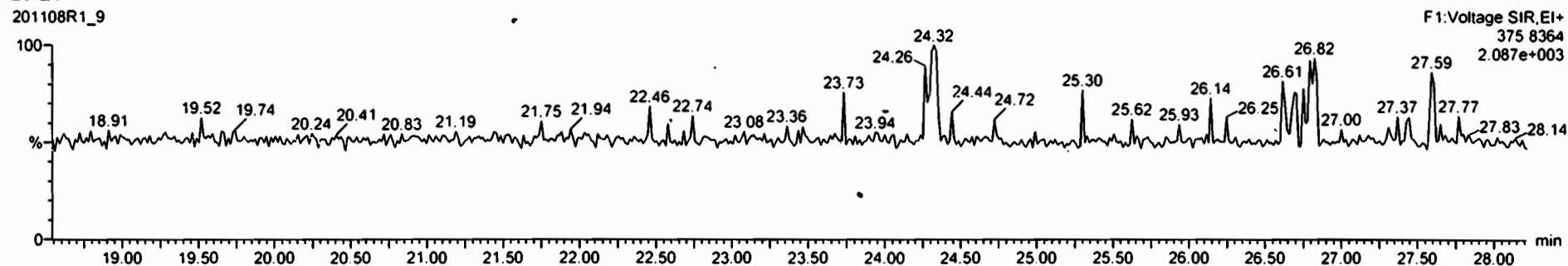
2,3,7,8-TCDF



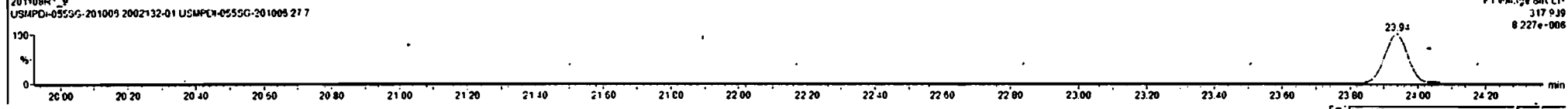
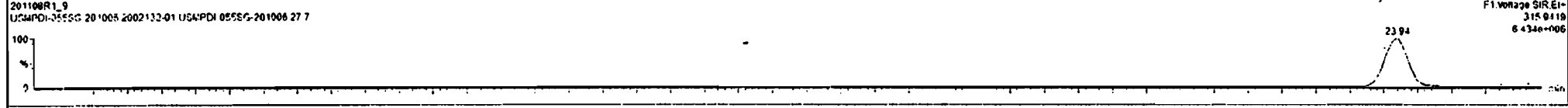
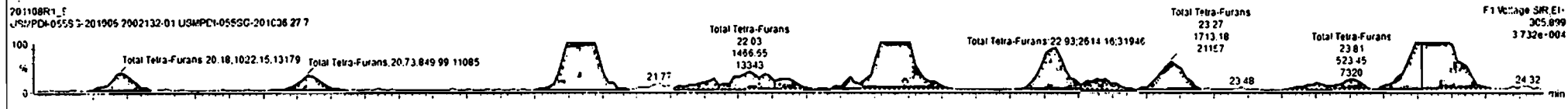
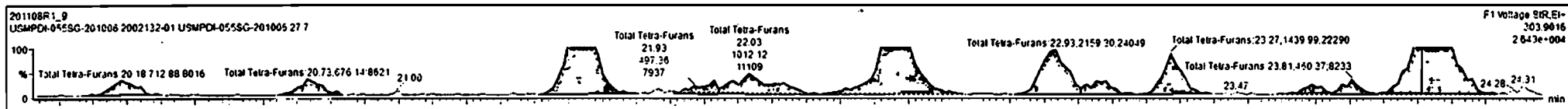
13C-2,3,7,8-TCDF

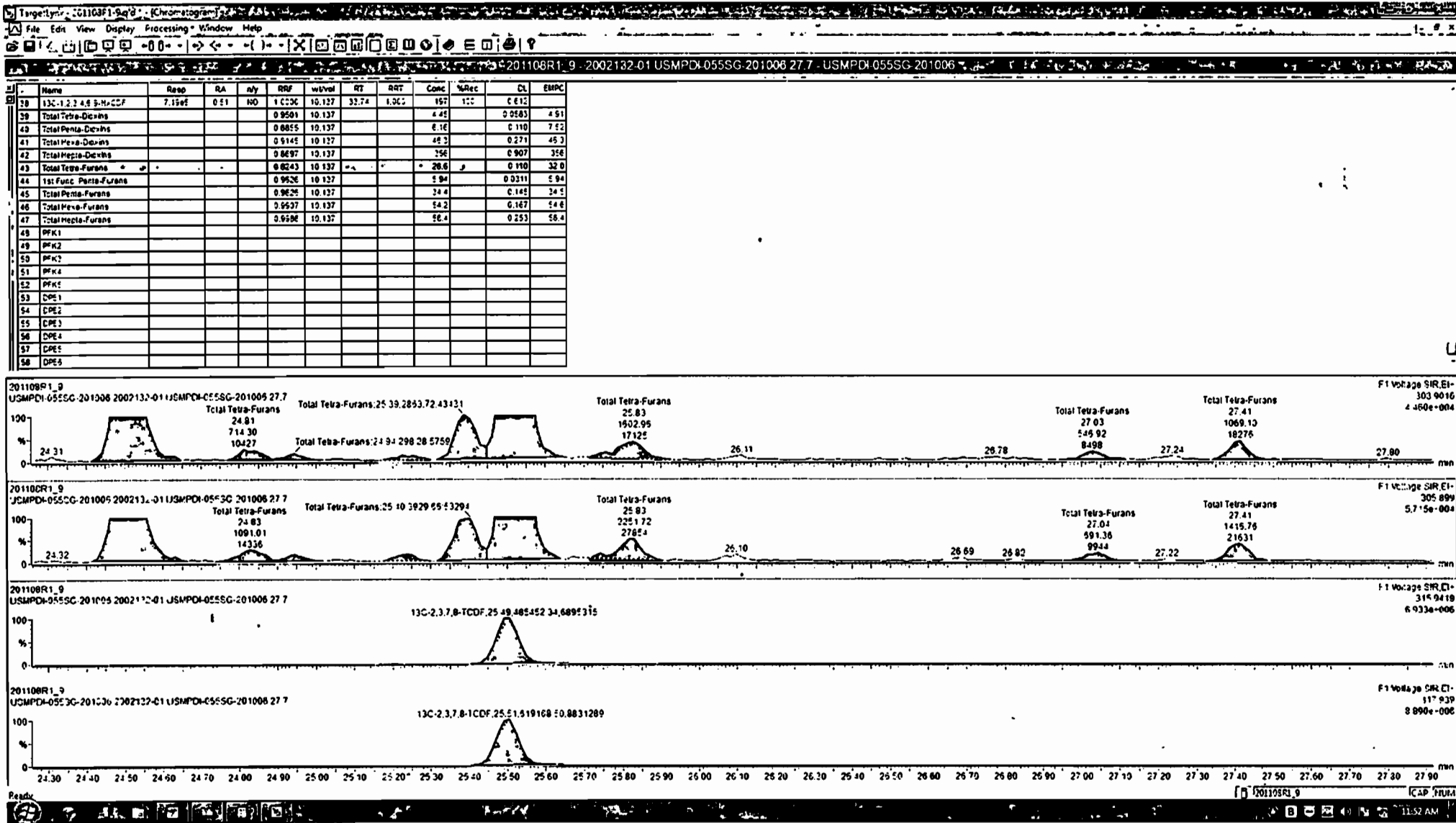


DPE1



Name	Resp	RA	dy	RRF	Volvol	RT	RRT	Conc	%Rec	CL	EMPC
32 12C-1,2,3,4,5-n-CCF	7.15e5	6.51	MG	1.0000	10.137	33.74	1.000	197	100	0.612	4.91
39 Total Tetra-Furans				0.9501	10.137			4.45		0.9532	4.91
40 Total Penta-Oxans				0.0855	10.137			6.16		0.110	7.82
41 Total Hexa-Oxans				0.9145	10.137			46.3		0.271	46.3
42 Total Hepta-Oxans				0.0697	10.137			356		0.937	356
43 Total Tetra-Furans				0.0243	10.137			28.0		0.110	32.0
44 1st Func. Penta-Furans				0.9826	10.137			5.94		0.9211	5.94
45 Total Penta-Furans				0.9826	10.137			34.4		0.145	34.5
46 Total Hexa-Furans				0.9927	10.137			54.2		0.167	54.6
47 Total Hepta-Furans				0.5596	10.137			58.4		0.223	58.4
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											





Dataset: Untitled

Last Altered: Monday, November 09, 2020 07:07:13 Pacific Standard Time

Printed: Monday, November 09, 2020 07:09:14 Pacific Standard Time

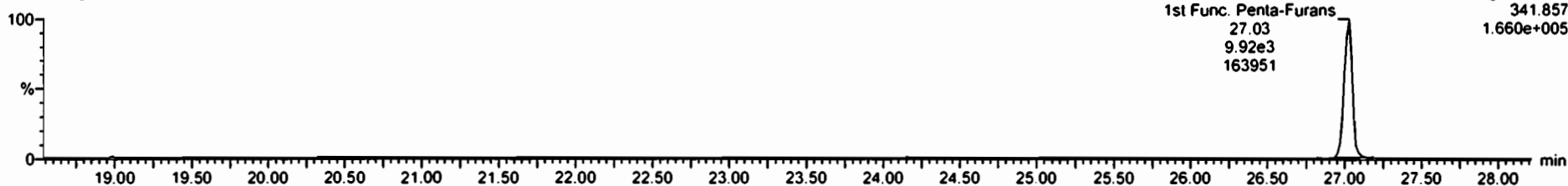
Name: 201108R1\_9, Date: 08-Nov-2020, Time: 15:08:59, ID: 2002132-01 USMPDI-055SG-201006 27.7, Description: USMPDI-055SG-201006

1st Func. Penta-Furans

201108R1\_9

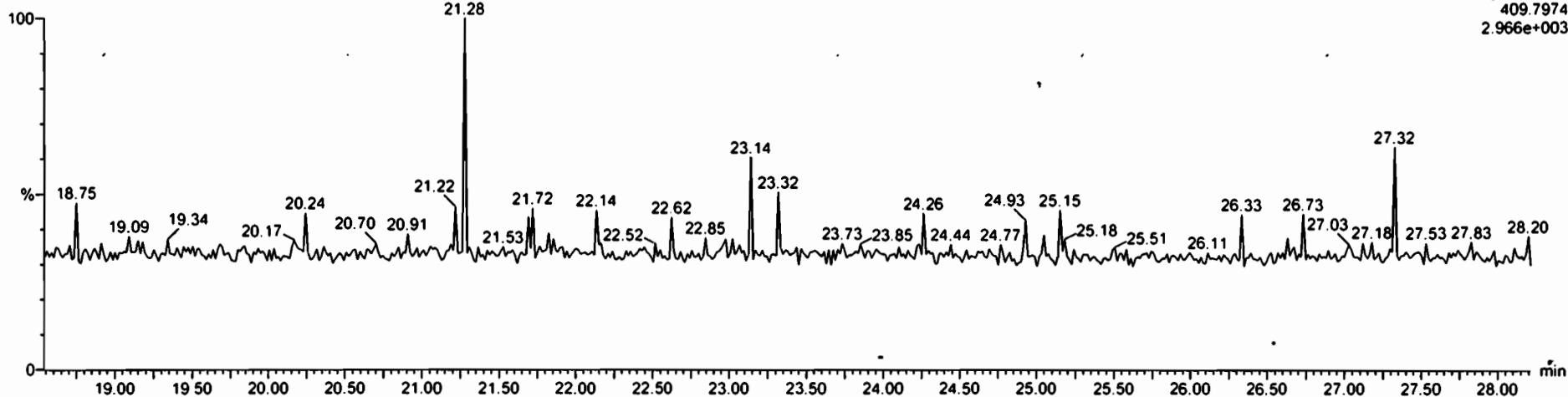


201108R1\_9



DPE6

201108R1\_9





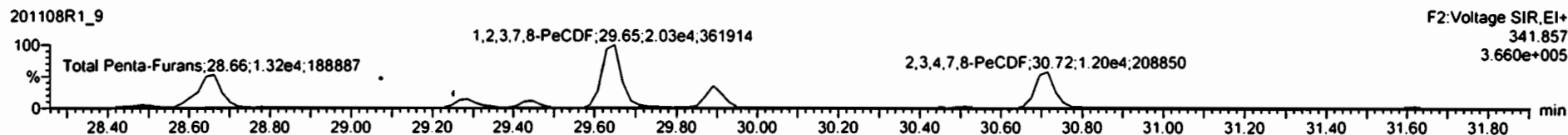
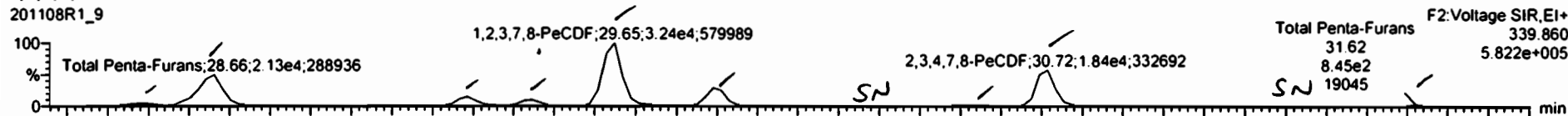
Dataset: Untitled

Last Altered: Monday, November 09, 2020 07:07:13 Pacific Standard Time

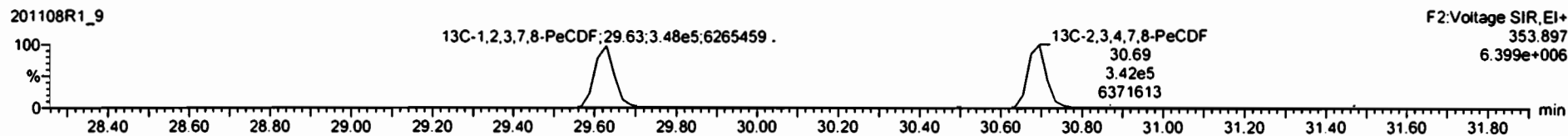
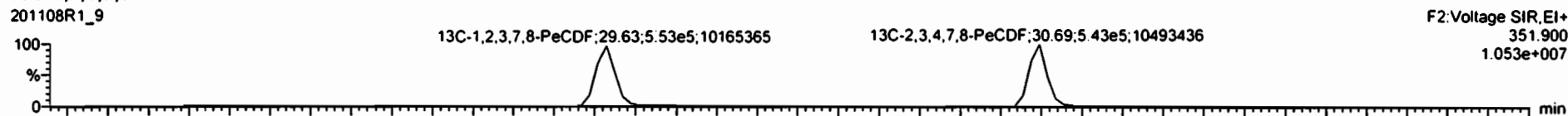
Printed: Monday, November 09, 2020 07:09:14 Pacific Standard Time

Name: 201108R1\_9, Date: 08-Nov-2020, Time: 15:08:59, ID: 2002132-01 USMPDI-055SG-201006 27.7, Description: USMPDI-055SG-201006

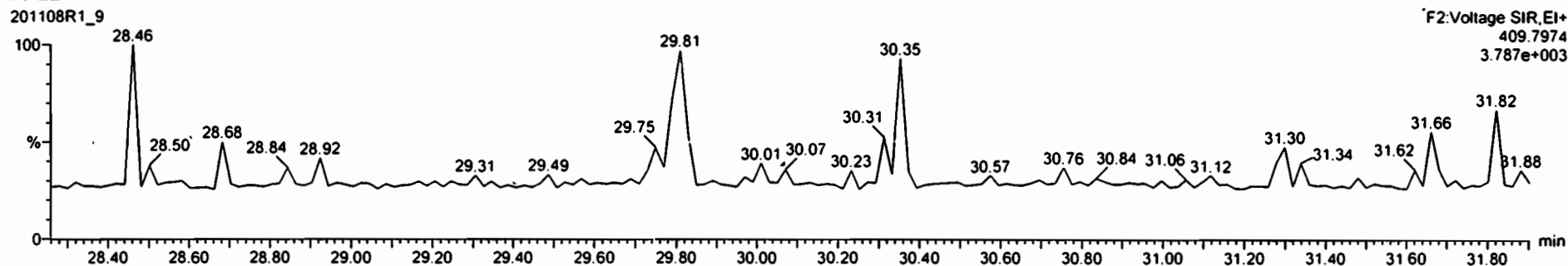
**1,2,3,7,8-PeCDF**



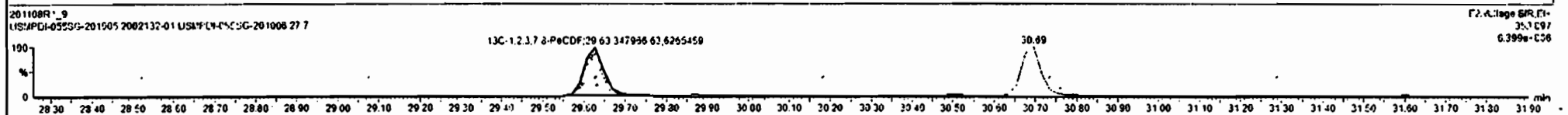
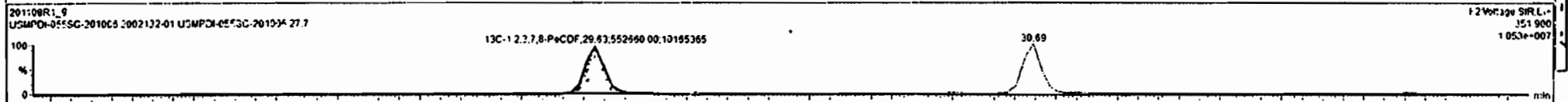
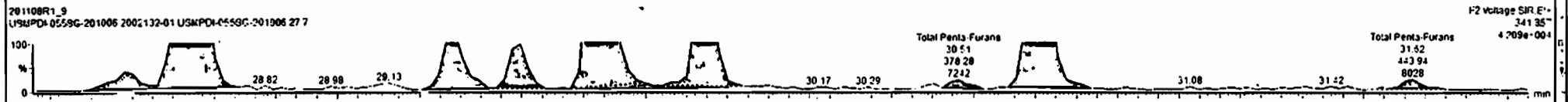
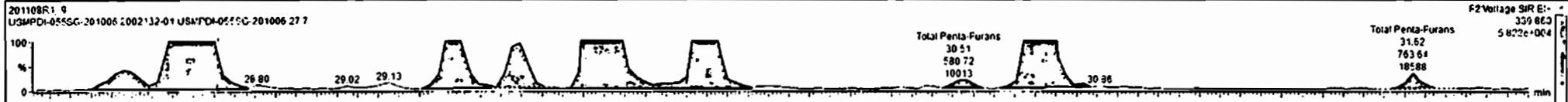
**13C-1,2,3,7,8-PeCDF**



**DPE2**



Name	Resp	RA	dy	RRF	intvol	RT	RRT	Conc	%Rec	DL	EMPC
38 13C-1,2,4,6-S-H-CDF	7.15e4	0.51	NO	1.0000	10.137	33.74	1.000	197	100	0.012	
39 Total Tetra-Carbins				0.9501	10.137			4.45		0.0583	4.91
40 Total Penta-Dioxins				0.8855	10.137			6.16		0.110	7.42
41 Total Hexa-Carbins				0.9145	10.137			45.3		0.271	45.3
42 Total Hepta-Carbins				0.8657	10.137			356		0.907	356
43 Total Tetra-Furans				0.8243	10.137			28.6		0.110	32.0
44 1st Func. Penta-Furans				0.9626	10.137			5.94		0.0311	5.94
45 Total Penta-Furans				0.9626	10.137			34.6		0.145	34.6
46 Total Hexa-Furans				0.9557	10.137			54.2		0.167	54.6
47 Total Hepta-Furans				0.6596	10.137			58.4		0.253	58.4
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											



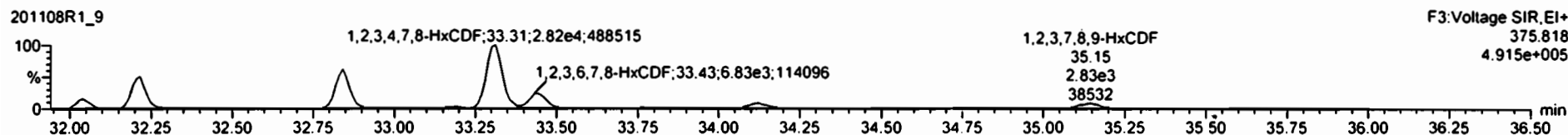
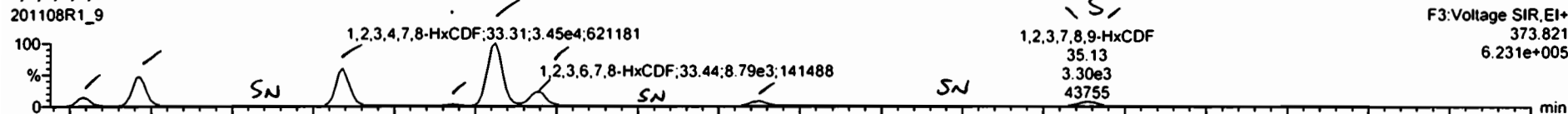
Dataset: Untitled

Last Altered: Monday, November 09, 2020 07:07:13 Pacific Standard Time

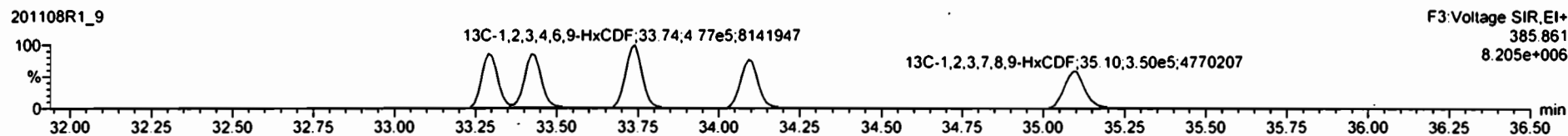
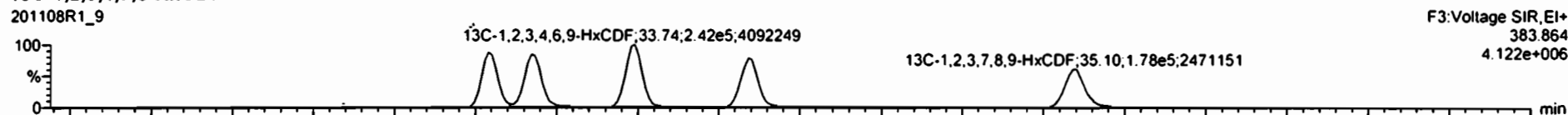
Printed: Monday, November 09, 2020 07:09:14 Pacific Standard Time

Name: 201108R1\_9, Date: 08-Nov-2020, Time: 15:08:59, ID: 2002132-01 USMPDI-055SG-201006 27.7, Description: USMPDI-055SG-201006

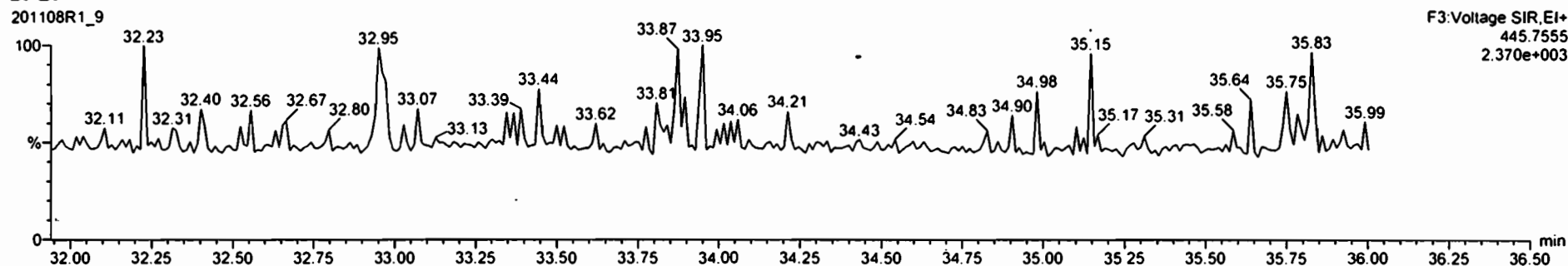
1,2,3,4,7,8-HxCDF



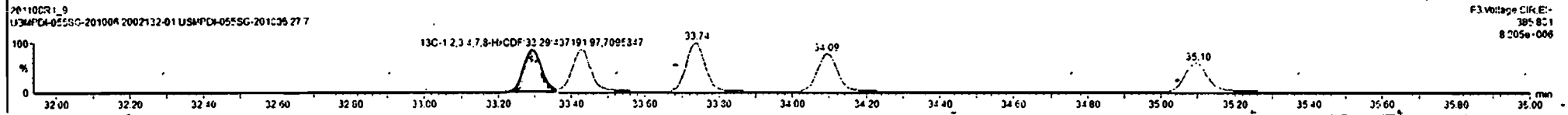
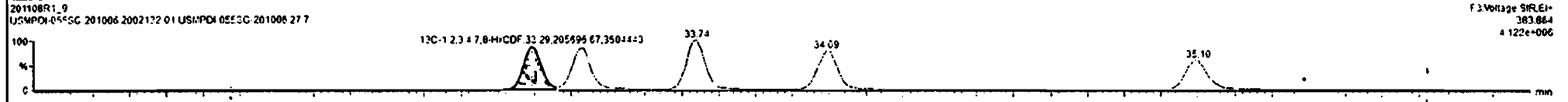
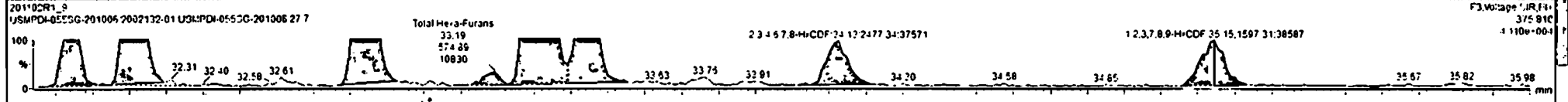
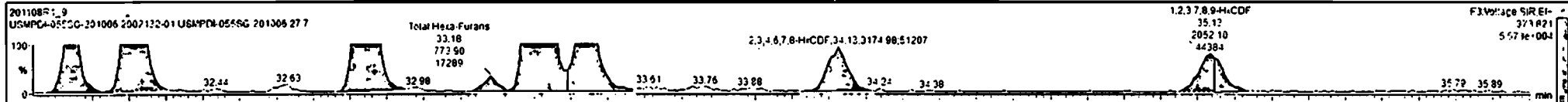
13C-1,2,3,4,7,8-HxCDF



DPE3



Name	Resp	RA	dy	RRF	wtWt	RT	RRT	Conc	%Rec	DL	EMPC
38 13C-1,2,3,4,6,8-H-CDF	7.15e5	0.51	NO	1.0200	10.137	33.74	1.000	197	100	0.612	
39 Total Tetra-Dioxins				0.9531	10.137			4.45	0.0563	4.91	
40 Total Penta-Dioxins				0.8855	10.137			6.16	0.110	7.52	
41 Total Hexa-Dioxins				0.9145	10.137			45.3	0.271	45.3	
42 Total Hepta-Dioxins				0.8697	10.137			756	0.907	356	
43 Total Tetra-Furans				0.8243	10.137			28.6	0.110	32.0	
44 1st Func. Penta-Furans				0.9626	10.137			5.94	0.0291	5.94	
45 Total Penta-Furans				0.9626	10.137			34.6	0.145	34.6	
46 Total Hexa-Furans				0.9907	10.137			54.0	0.167	54.0	
47 Total Hepta-Furans				0.9906	10.137			58.4	0.253	58.4	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											

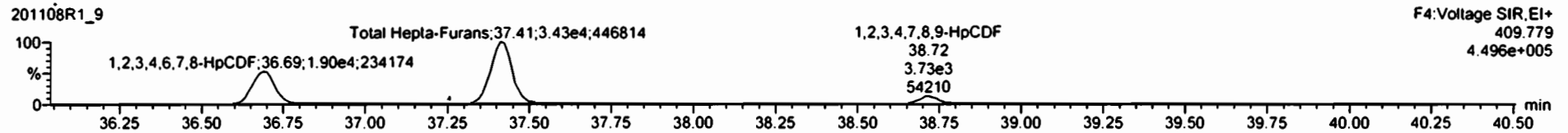
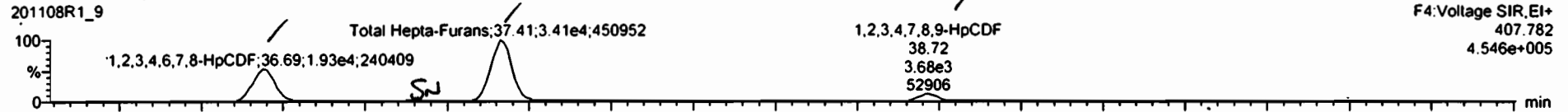


Dataset: Untitled

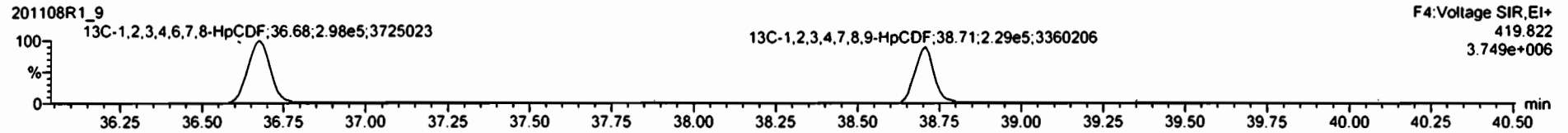
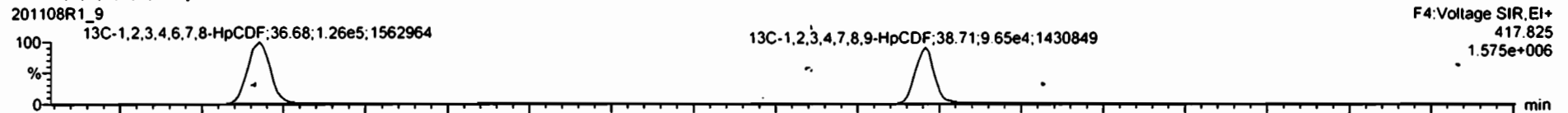
Last Altered: Monday, November 09, 2020 07:07:13 Pacific Standard Time  
Printed: Monday, November 09, 2020 07:09:14 Pacific Standard Time

Name: 201108R1\_9, Date: 08-Nov-2020, Time: 15:08:59, ID: 2002132-01 USMPDI-055SG-201006 27.7, Description: USMPDI-055SG-201006

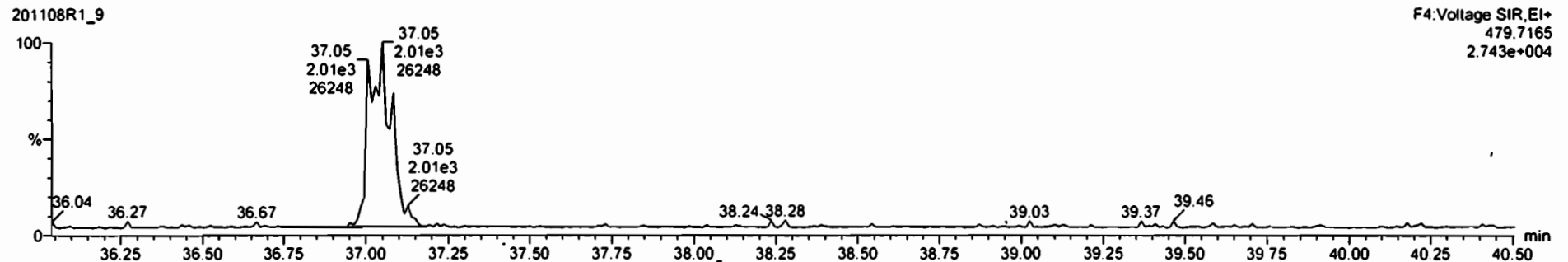
1,2,3,4,6,7,8-HpCDF



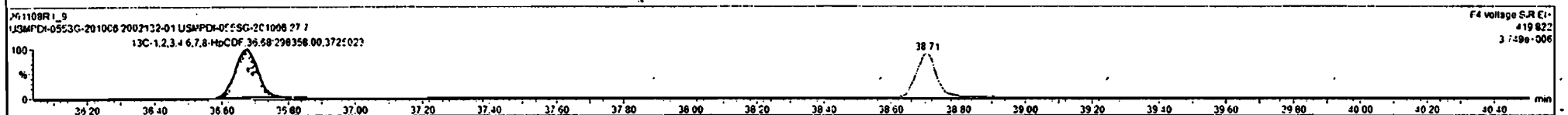
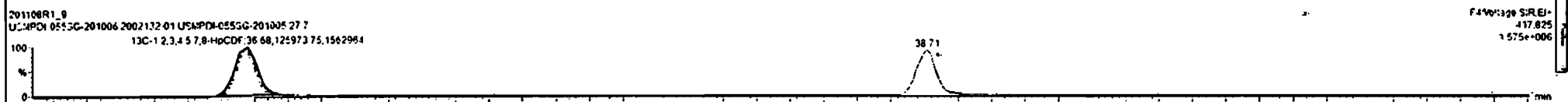
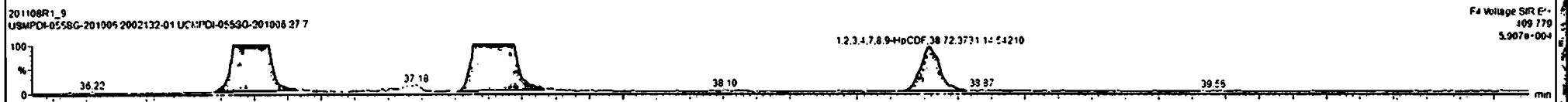
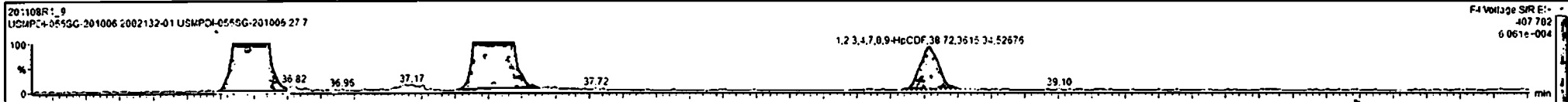
13C-1,2,3,4,6,7,8-HpCDF



DPE4



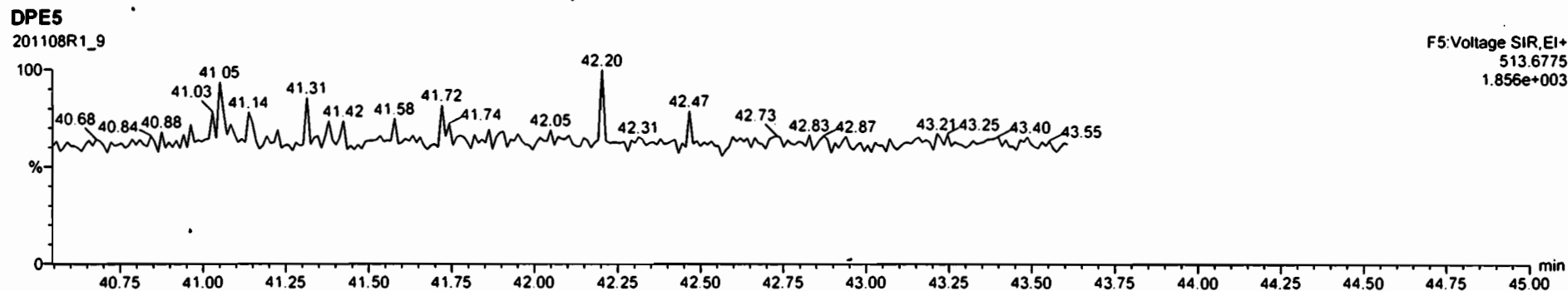
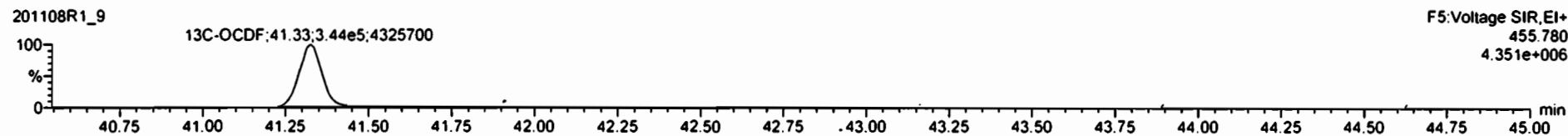
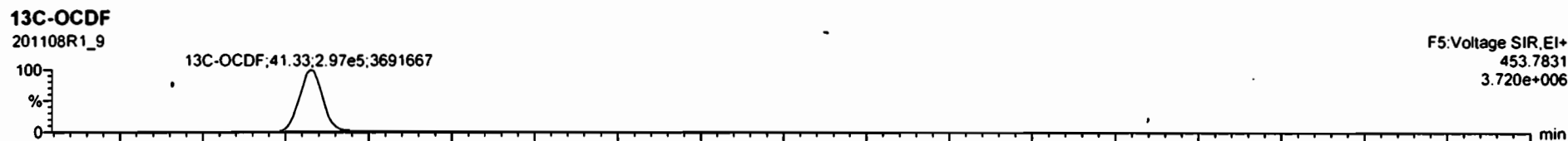
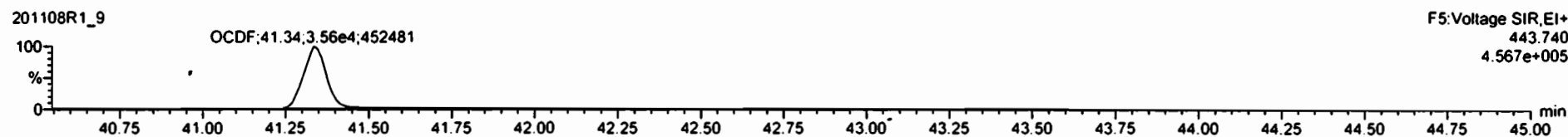
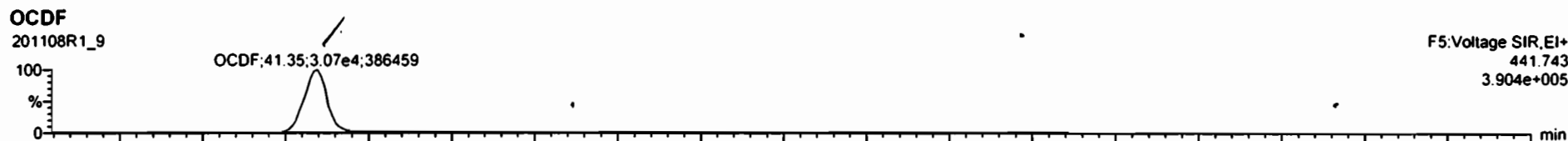
Name	Resp	RA	aly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
38 13C-1,2,3,4,5-HpCDF	7.15e7	0.51	MC	1.0000	10.127	37.74	1.000	197	100	0.612	
39 Total Tetra-Dioxins				0.9531	10.127			4.45	0.0583	4.91	
40 Total Penta-Dioxins				0.8856	10.127			6.16	0.110	7.52	
41 Total Hexa-Dioxins				3.914E	10.127			46.3	0.271	46.3	
42 Total Hepta-Dioxins				0.8657	10.127			356	0.907	356	
43 Total Tetra-Furans				0.8243	10.127			28.6	0.110	32.0	
44 1st Func. Penta-Furans				0.9526	10.127			5.94	0.0311	5.94	
45 Total Penta-Furans				0.9626	10.127			34.6	0.141	34.6	
46 Total Hexa-Furans				0.9937	10.127			54.0	0.167	54.0	
47 Total Hepta-Furans				0.9686	10.127			57.8	0.253	57.8	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											



Dataset: Untitled

Last Altered: Monday, November 09, 2020 07:07:13 Pacific Standard Time  
Printed: Monday, November 09, 2020 07:09:14 Pacific Standard Time

Name: 201108R1\_9, Date: 08-Nov-2020, Time: 15:08:59, ID: 2002132-01 USMPDI-055SG-201006 27.7, Description: USMPDI-055SG-201006

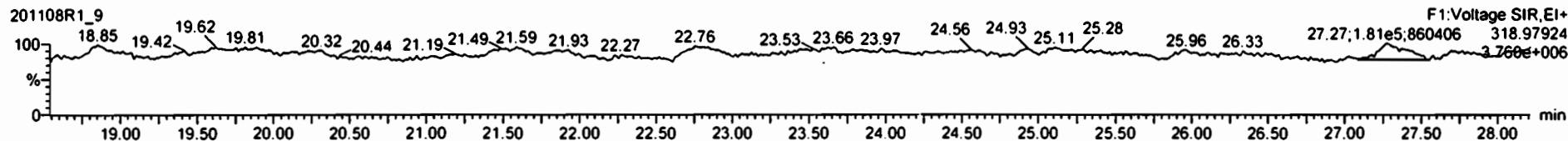


Dataset: Untitled

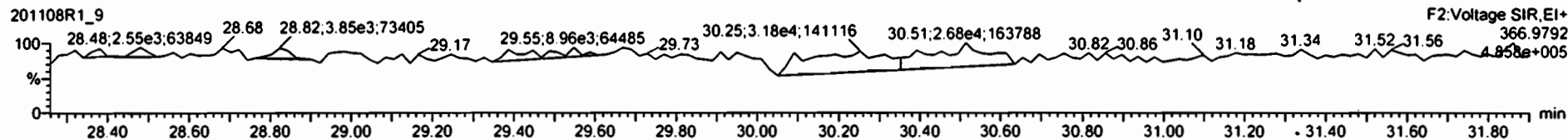
Last Altered: Monday, November 09, 2020 07:07:13 Pacific Standard Time  
Printed: Monday, November 09, 2020 07:09:14 Pacific Standard Time

Name: 201108R1\_9, Date: 08-Nov-2020, Time: 15:08:59, ID: 2002132-01 USMPDI-055SG-201006 27.7, Description: USMPDI-055SG-201006

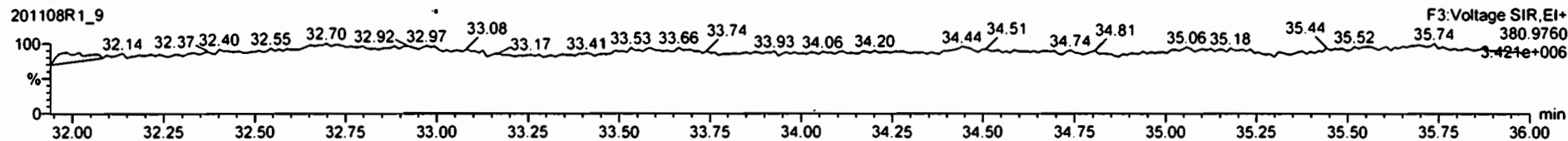
PFK1



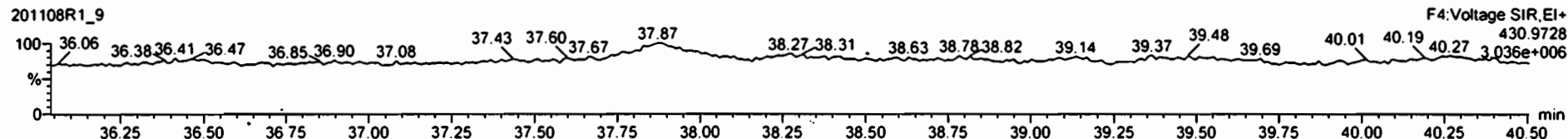
PFK2



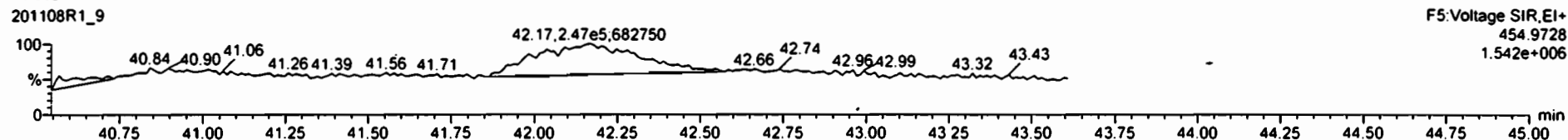
PFK3



PFK4



PFK5





**SAMPLE DATA – EPA METHOD 1668A**

Dataset: U:\VG11.PRO\Results\201026K1\201026K1-4.qld

Last Altered: Monday, October 26, 2020 14:29:29 Pacific Daylight Time  
Printed: Monday, October 26, 2020 14:30:10 Pacific Daylight Time

*h 10-26-2020*

*CT 11/03/2020*

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_10-24-20.mdb 24 Oct 2020 13:45:57  
Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-6-1-20.cdb 02 Jun 2020 10:21:16

Name: 201026K1\_4, Date: 26-Oct-2020, Time: 12:33:13, ID: B0J0186-BLK1 Method Blank 5, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1			NO	1.17	5.000	15.57		1.001		YES			0.433	
2	2 PCB-2			NO	1.18	5.000	17.99		0.988		YES			0.411	
3	3 PCB-3			NO	1.15	5.000	18.21		1.001		YES			0.424	
4	4 PCB-4/10			NO	1.25	5.000	19.64		1.004		YES			2.00	
5	5 PCB-7/9			NO	0.960	5.000	21.45		1.003		YES			1.57	
6	6 PCB-6			NO	1.02	5.000	22.10		1.033		YES			1.47	
7	7 PCB-5/8			NO	0.992	5.000	22.51		1.052		YES			1.52	
8	8 PCB-14			NO	1.02	5.000	23.64		0.951		YES			1.49	
9	9 PCB-11			NO	1.13	5.000	24.87		1.001		YES			1.35	
10	10 PCB-12/13			NO	1.03	5.000	25.30		1.018		YES			1.48	
11	11 PCB-15			NO	1.03	5.000	25.59		1.030		YES			1.47	
12	12 PCB-19			NO	1.11	5.000	23.83		1.001		YES			0.970	
13	13 PCB-30			NO	1.79	5.000	24.73		1.039		YES			0.598	
14	14 PCB-18			NO	0.818	5.000	25.51		0.952		YES			0.888	
15	15 PCB-17			NO	0.758	5.000	25.69		0.959		YES			0.958	
16	16 PCB-24/27			NO	1.08	5.000	26.29		0.981		YES			0.671	
17	17 PCB-16/32			NO	0.925	5.000	26.82		1.001		YES			0.785	
18	18 PCB-34			NO	0.945	5.000	27.62		0.959		YES			0.655	
19	19 PCB-23			NO	0.883	5.000	27.71		0.962		YES			0.701	
20	20 PCB-29			NO	0.893	5.000	27.97		0.971		YES			0.693	
21	21 PCB-26			NO	0.944	5.000	28.20		0.979		YES			0.656	
22	22 PCB-25			NO	0.950	5.000	28.35		0.984		YES			0.652	
23	23 PCB-31			NO	1.04	5.000	28.73		0.997		YES			0.597	
24	24 PCB-28			NO	1.03	5.000	28.83		1.001		YES			0.604	
25	25 PCB-20/21/33			NO	0.941	5.000	29.47		1.023		YES			0.658	
26	26 PCB-22			NO	0.973	5.000	29.91		1.038		YES			0.636	
27	27 PCB-36			NO	1.08	5.000	30.56		0.931		YES			0.661	
28	28 PCB-39			NO	0.988	5.000	31.06		0.947		YES			0.720	
29	29 PCB-38			NO	1.05	5.000	31.85		0.970		YES			0.676	
30	30 PCB-35			NO	1.04	5.000	32.39		0.987		YES			0.681	
31	31 PCB-37			NO	1.01	5.000	32.83		1.001		YES			0.705	
32	32 PCB-54			NO	1.08	5.000	27.66		1.001		YES			0.426	

Dataset: U:\VG11.PRO\Results\201026K1\201026K1-4.qld

Last Altered: Monday, October 26, 2020 14:29:29 Pacific Daylight Time

Printed: Monday, October 26, 2020 14:30:10 Pacific Daylight Time

Name: 201026K1\_4, Date: 26-Oct-2020, Time: 12:33:13, ID: B0J0186-BLK1 Method Blank 5, Description: Method Blank

	# Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
33	33 PCB-50			NO	0.880	5.000	28.87		1.044		YES			0.523	
34	34 PCB-53			NO	0.997	5.000	29.55		0.944		YES			0.541	
35	35 PCB-51			NO	1.07	5.000	29.90		0.955		YES			0.506	
36	36 PCB-45			NO	0.858	5.000	30.35		0.969		YES			0.628	
37	37 PCB-46			NO	0.831	5.000	30.85		0.985		YES			0.649	
38	38 PCB-52/69			NO	1.17	5.000	31.34		1.001		YES			0.462	
39	39 PCB-73			NO	1.44	5.000	31.46		1.005		YES			0.374	
40	40 PCB-43/49			NO	1.02	5.000	31.63		1.010		YES			0.531	
41	41 PCB-47			NO	0.922	5.000	31.85		1.001		YES			0.551	
42	42 PCB-48/75			NO	1.12	5.000	31.96		1.004		YES			0.454	
43	43 PCB-65			NO	1.28	5.000	32.24		1.013		YES			0.396	
44	44 PCB-62			NO	1.13	5.000	32.33		1.016		YES			0.451	
45	45 PCB-44			NO	0.824	5.000	32.66		1.026		YES			0.617	
46	46 PCB-42/59			NO	1.05	5.000	32.89		1.033		YES			0.484	
47	47 PCB-41/64/71/72			NO	1.19	5.000	33.50		1.053		YES			0.428	
48	48 PCB-68			NO	1.28	5.000	33.76		1.061		YES			0.398	
49	49 PCB-40			NO	0.602	5.000	33.98		1.067		YES			0.844	
50	50 PCB-57			NO	1.16	5.000	34.37		0.969		YES			0.376	
51	51 PCB-67			NO	1.08	5.000	34.68		0.978		YES			0.404	
52	52 PCB-58			NO	1.20	5.000	34.80		0.982		YES			0.363	
53	53 PCB-63			NO	1.07	5.000	34.96		0.986		YES			0.408	
54	54 PCB-74			NO	1.19	5.000	35.26		0.994		YES			0.369	
55	55 PCB-61/70			NO	1.05	5.000	35.47		1.000		YES			0.415	
56	56 PCB-76/66			NO	1.16	5.000	35.67		1.006		YES			0.376	
57	57 PCB-80			NO	1.19	5.000	35.91		1.001		YES			0.383	
58	58 PCB-55			NO	1.17	5.000	36.24		1.010		YES			0.389	
59	59 PCB-56/60			NO	1.02	5.000	36.73		1.024		YES			0.446	
60	60 PCB-79			NO	1.14	5.000	37.86		1.055		YES			0.399	
61	61 PCB-78			NO	1.14	5.000	38.56		0.987		YES			0.418	
62	62 PCB-81			NO	1.05	5.000	39.10		1.000		YES			0.454	
63	63 PCB-77			NO	1.14	5.000	39.72		1.000		YES			0.434	
64	64 PCB-104			NO	1.12	5.000	32.52		1.001		YES			0.466	
65	65 PCB-96			NO	1.15	5.000	33.82		1.041		YES			0.454	
66	66 PCB-103			NO	0.936	5.000	34.38		1.058		YES			0.559	
67	67 PCB-100			NO	0.954	5.000	34.75		1.069		YES			0.549	
68	68 PCB-94			NO	0.949	5.000	35.23		0.985		YES			0.718	

Dataset: U:\VG11.PRO\Results\201026K1\201026K1-4.qld

Last Altered: Monday, October 26, 2020 14:29:29 Pacific Daylight Time

Printed: Monday, October 26, 2020 14:30:10 Pacific Daylight Time

Name: 201026K1\_4, Date: 26-Oct-2020, Time: 12:33:13, ID: B0J0186-BLK1 Method Blank 5, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
69	69 PCB-95/98/102			NO	1.20	5.000	35.70		0.999		YES			0.566	
70	70 PCB-93			NO	0.935	5.000	35.85		1.003		YES			0.729	
71	71 PCB-88/91			NO	1.06	5.000	36.18		1.012		YES			0.640	
72	72 PCB-121			NO	1.71	5.000	36.29		1.015		YES			0.399	
73	73 PCB-84/92			NO	1.02	5.000	37.13		0.990		YES			0.657	
74	74 PCB-89			NO	1.11	5.000	37.32		0.995		YES			0.605	
75	75 PCB-90/101			NO	1.12	5.000	37.51		1.000		YES			0.596	
76	76 PCB-113			NO	1.51	5.000	37.77		1.007		YES			0.442	
77	77 PCB-99			NO	1.32	5.000	37.86		1.010		YES			0.506	
78	78 PCB-119			NO	1.81	5.000	38.34		0.987		YES			0.422	
79	79 PCB-108/112			NO	1.44	5.000	38.50		0.991		YES			0.527	
80	80 PCB-83			NO	1.83	5.000	38.67		0.996		YES			0.416	
81	81 PCB-97			NO	1.28	5.000	38.86		1.000		YES			0.594	
82	82 PCB-86			NO	1.12	5.000	39.03		1.005		YES			0.681	
83	83 PCB-87/117/125			NO	1.56	5.000	39.15		1.008		YES			0.488	
84	84 PCB-111/115			NO	1.91	5.000	39.31		1.012		YES			0.398	
85	85 PCB-85/116			NO	1.41	5.000	39.44		1.015		YES			0.540	
86	86 PCB-120			NO	2.01	5.000	39.70		1.022		YES			0.380	
87	87 PCB-110			NO	1.74	5.000	39.85		1.026		YES			0.437	
88	88 PCB-82			NO	0.781	5.000	40.48		0.975		YES			0.720	
89	89 PCB-124			NO	1.40	5.000	41.19		0.993		YES			0.402	
90	90 PCB-107/109			NO	1.34	5.000	41.33		0.996		YES			0.419	
91	91 PCB-123			NO	1.20	5.000	41.52		1.000		YES			0.469	
92	92 PCB-106/118			NO	1.22	5.000	41.73		1.001		YES			0.447	
93	93 PCB-114			NO	1.14	5.000	42.39		1.000		YES			0.376	
94	94 PCB-122			NO	0.944	5.000	42.54		1.004		YES			0.454	
95	95 PCB-105			NO	1.05	5.000	43.27		1.000		YES			0.402	
96	96 PCB-127			NO	1.06	5.000	43.62		1.000		YES			0.387	
97	97 PCB-126			NO	1.17	5.000	45.59		1.000		YES			0.398	
98	98 PCB-155			NO	1.04	5.000	37.06		1.000		YES			0.437	
99	99 PCB-150			NO	1.08	5.000	38.36		1.036		YES			0.421	
100	1... PCB-152			NO	1.19	5.000	38.84		1.049		YES			0.384	
101	1... PCB-145			NO	1.19	5.000	39.31		1.061		YES			0.383	
102	1... PCB-136			NO	1.02	5.000	39.64		1.070		YES			0.446	
103	1... PCB-148			NO	0.842	5.000	39.75		1.073		YES			0.541	
104	1... PCB-154			NO	0.919	5.000	40.26		1.087		YES			0.496	

Dataset: U:\VG11.PRO\Results\201026K1\201026K1-4.qld

Last Altered: Monday, October 26, 2020 14:29:29 Pacific Daylight Time  
Printed: Monday, October 26, 2020 14:30:10 Pacific Daylight Time

Name: 201026K1\_4, Date: 26-Oct-2020, Time: 12:33:13, ID: B0J0186-BLK1 Method Blank 5, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
105	1... PCB-151			NO	0.787	5.000	40.93		1.105		YES			0.579	
106	1... PCB-135			NO	0.922	5.000	41.15		1.111		YES			0.494	
107	1... PCB-144			NO	0.789	5.000	41.26		1.114		YES			0.577	
108	1... PCB-147			NO	0.834	5.000	41.39		1.117		YES			0.546	
109	1... PCB-139/149	9.71e1	0.61	YES	0.948	5.000	41.68	41.63	1.125	1.124	NO	1.063		0.494	0.7307
110	1... PCB-140			NO	0.794	5.000	41.86		1.130		YES			0.574	
111	1... PCB-134/143			NO	0.759	5.000	42.31		0.974		YES			0.459	
112	1... PCB-131/133			NO	0.821	5.000	42.63		0.982		YES			0.424	
113	1... PCB-142			NO	0.754	5.000	42.79		0.985		YES			0.462	
114	1... PCB-146/165			NO	1.02	5.000	43.03		0.991		YES			0.343	
115	1... PCB-132/161			NO	1.02	5.000	43.28		0.997		YES			0.340	
116	1... PCB-153			NO	1.07	5.000	43.44		1.000		YES			0.325	
117	1... PCB-168			NO	1.08	5.000	43.67		1.006		YES			0.323	
118	1... PCB-141			NO	1.03	5.000	44.20		1.000		YES			0.419	
119	1... PCB-137			NO	1.11	5.000	44.60		1.009		YES			0.387	
120	1... PCB-130			NO	0.885	5.000	44.69		1.012		YES			0.486	
121	1... PCB-138/163/164			NO	1.28	5.000	45.09		1.001		YES			0.325	
122	1... PCB-158/160			NO	1.24	5.000	45.36		1.007		YES			0.336	
123	1... PCB-129			NO	0.867	5.000	45.59		1.012		YES			0.481	
124	1... PCB-166			NO	1.14	5.000	46.06		0.993		YES			0.298	
125	1... PCB-159			NO	1.22	5.000	46.41		1.001		YES			0.280	
126	1... PCB-128/162			NO	0.907	5.000	46.69		1.007		YES			0.375	
127	1... PCB-167			NO	1.11	5.000	47.10		1.000		YES			0.312	
128	1... PCB-156			NO	1.13	5.000	48.43		1.000		YES			0.331	
129	1... PCB-157			NO	1.04	5.000	48.71		1.000		YES			0.355	
130	1... PCB-169			NO	1.16	5.000	50.99		1.000		YES			0.353	
131	1... PCB-188			NO	1.29	5.000	43.07		1.001		YES			0.355	
132	1... PCB-184			NO	1.23	5.000	43.52		1.011		YES			0.372	
133	1... PCB-179			NO	1.30	5.000	44.32		1.030		YES			0.353	
134	1... PCB-176			NO	1.31	5.000	44.81		1.041		YES			0.350	
135	1... PCB-186			NO	1.33	5.000	45.43		1.056		YES			0.345	
136	1... PCB-178			NO	0.943	5.000	45.95		1.068		YES			0.486	
137	1... PCB-175			NO	0.956	5.000	46.31		1.076		YES			0.479	
138	1... PCB-182/187			NO	1.07	5.000	46.48		1.080		YES			0.430	
139	1... PCB-183			NO	1.02	5.000	46.80		1.088		YES			0.448	
140	1... PCB-185			NO	1.41	5.000	47.48		0.955		YES			0.490	

Dataset: U:\VG11.PRO\Results\201026K1\201026K1-4.qld

Last Altered: Monday, October 26, 2020 14:29:29 Pacific Daylight Time

Printed: Monday, October 26, 2020 14:30:10 Pacific Daylight Time

Name: 201026K1\_4, Date: 26-Oct-2020, Time: 12:33:13, ID: B0J0186-BLK1 Method Blank 5, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
141	1... PCB-174			NO	1.35	5.000	47.86		0.962		YES			0.509	
142	1... PCB-181			NO	1.47	5.000	47.97		0.964		YES			0.468	
143	1... PCB-177			NO	1.28	5.000	48.14		0.968		YES			0.540	
144	1... PCB-171			NO	1.32	5.000	48.45		0.974		YES			0.524	
145	1... PCB-173			NO	1.19	5.000	48.88		0.983		YES			0.579	
146	1... PCB-172			NO	1.38	5.000	49.34		0.992		YES			0.501	
147	1... PCB-192			NO	1.83	5.000	49.55		0.996		YES			0.377	
148	1... PCB-180			NO	1.41	5.000	49.76		1.000		YES			0.488	
149	1... PCB-193			NO	1.68	5.000	49.97		1.005		YES			0.411	
150	1... PCB-191			NO	1.71	5.000	50.23		1.010		YES			0.403	
151	1... PCB-170			NO	1.40	5.000	51.42		1.000		YES			0.561	
152	1... PCB-190			NO	1.85	5.000	51.63		1.005		YES			0.425	
153	1... PCB-189			NO	1.45	5.000	53.13		1.000		YES			0.381	
154	1... PCB-202			NO	1.17	5.000	48.68		1.001		YES			0.309	
155	1... PCB-201			NO	1.05	5.000	49.15		1.010		YES			0.342	
156	1... PCB-204			NO	1.14	5.000	49.30		1.014		YES			0.316	
157	1... PCB-197			NO	1.13	5.000	49.61		1.020		YES			0.318	
158	1... PCB-200			NO	1.07	5.000	50.55		1.039		YES			0.337	
159	1... PCB-198			NO	0.794	5.000	52.10		1.071		YES			0.454	
160	1... PCB-199			NO	0.809	5.000	52.24		1.074		YES			0.445	
161	1... PCB-196/203			NO	0.838	5.000	52.53		1.080		YES			0.430	
162	1... PCB-195			NO	1.04	5.000	53.83		0.984		YES			0.382	
163	1... PCB-194	1.57e2	1.34	YES	1.12	5.000	54.74	54.74	1.000	1.000	NO	0.8339		0.357	0.6735
164	1... PCB-205			NO	1.29	5.000	55.01		1.005		YES			0.309	
165	1... PCB-208			NO	0.933	5.000	53.98		1.000		YES			0.325	
166	1... PCB-207			NO	0.916	5.000	54.30		1.006		YES			0.331	
167	1... PCB-206			NO	1.01	5.000	56.27		1.000		YES			0.455	
168	1... PCB-209			NO	0.986	5.000	57.49		1.000		YES			0.606	
169	1... 13C-PCB-1	6.33e5	3.22	NO	0.893	5.000	15.57	15.55	0.609	0.608	NO	1138	56.9	1.92	
170	1... 13C-PCB-3	6.78e5	3.37	NO	0.911	5.000	18.21	18.20	0.712	0.712	NO	1196	59.8	1.89	
171	1... 13C-PCB-4	5.70e5	1.62	NO	0.600	5.000	19.58	19.56	0.766	0.765	NO	1525	76.3	1.37	
172	1... 13C-PCB-9	9.44e5	1.61	NO	0.970	5.000	21.39	21.39	0.837	0.837	NO	1564	78.2	0.850	
173	1... 13C-PCB-11	9.65e5	1.62	NO	0.962	5.000	24.85	24.85	0.972	0.972	NO	1612	80.6	0.857	
174	1... 13C-PCB-19	4.21e5	1.07	NO	0.499	5.000	23.81	23.80	0.931	0.931	NO	1354	67.7	10.6	
175	1... 13C-PCB-32	6.35e5	1.07	NO	0.744	5.000	26.80	26.80	1.048	1.048	NO	1372	68.6	7.12	
176	1... 13C-PCB-28	9.64e5	1.06	NO	1.06	5.000	28.81	28.81	1.004	1.004	NO	1624	81.2	6.83	

Dataset: U:\VG11.PRO\Results\201026K1\201026K1-4.qld

Last Altered: Monday, October 26, 2020 14:29:29 Pacific Daylight Time  
Printed: Monday, October 26, 2020 14:30:10 Pacific Daylight Time

Name: 201026K1\_4, Date: 26-Oct-2020, Time: 12:33:13, ID: B0J0186-BLK1 Method Blank 5, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
177	1... 13C-PCB-37	8.92e5	1.05	NO	0.989	5.000	32.79	32.81	1.143	1.143	NO	1616	80.8	7.35	
178	1... 13C-PCB-54	5.89e5	0.79	NO	0.999	5.000	27.65	27.64	0.753	0.752	NO	1654	82.7	3.31	
179	1... 13C-PCB-52	4.94e5	0.82	NO	0.804	5.000	31.32	31.31	0.853	0.852	NO	1723	86.2	4.11	
180	1... 13C-PCB-47	5.38e5	0.82	NO	0.857	5.000	31.85	31.83	0.867	0.866	NO	1762	88.1	3.85	
181	1... 13C-PCB-70	6.13e5	0.80	NO	0.996	5.000	35.47	35.46	0.965	0.965	NO	1730	86.5	3.32	
182	1... 13C-PCB-80	6.22e5	0.78	NO	1.03	5.000	35.91	35.88	0.977	0.977	NO	1700	85.0	3.21	
183	1... 13C-PCB-81	6.01e5	0.81	NO	0.988	5.000	39.10	39.08	1.064	1.064	NO	1709	85.5	3.34	
184	1... 13C-PCB-77	5.72e5	0.79	NO	0.969	5.000	39.72	39.70	1.081	1.081	NO	1658	82.9	3.41	
185	1... 13C-PCB-104	3.70e5	1.66	NO	1.02	5.000	32.49	32.50	0.827	0.827	NO	1748	87.4	1.81	
186	1... 13C-PCB-95	2.97e5	1.60	NO	0.805	5.000	35.75	35.75	0.910	0.910	NO	1767	88.4	2.29	
187	1... 13C-PCB-101	2.89e5	1.63	NO	0.793	5.000	37.50	37.50	0.954	0.954	NO	1750	87.5	2.33	
188	1... 13C-PCB-97	2.59e5	1.64	NO	0.696	5.000	38.84	38.84	0.988	0.988	NO	1782	89.1	2.65	
189	1... 13C-PCB-123	3.47e5	1.60	NO	0.933	5.000	41.50	41.50	1.056	1.056	NO	1784	89.2	1.98	
190	1... 13C-PCB-118	3.52e5	1.65	NO	0.986	5.000	41.69	41.69	1.061	1.061	NO	1712	85.6	1.87	
191	1... 13C-PCB-114	5.96e5	1.60	NO	1.55	5.000	42.35	42.37	0.908	0.908	NO	2033	102	2.53	
192	1... 13C-PCB-105	6.06e5	1.61	NO	1.57	5.000	43.26	43.26	0.927	0.927	NO	2033	102	2.49	
193	1... 13C-PCB-127	6.30e5	1.60	NO	1.62	5.000	43.60	43.60	0.935	0.935	NO	2045	102	2.41	
194	1... 13C-PCB-126	5.58e5	1.58	NO	1.57	5.000	45.55	45.57	0.976	0.977	NO	1875	93.8	2.50	
195	1... 13C-PCB-155	1.93e5	1.33	NO	0.615	5.000	37.04	37.04	0.942	0.942	NO	1505	75.2	0.915	
196	1... 13C-PCB-153	4.78e5	1.27	NO	1.36	5.000	43.41	43.43	0.930	0.931	NO	1849	92.4	1.99	
197	1... 13C-PCB-141	3.88e5	1.26	NO	1.13	5.000	44.19	44.19	0.947	0.947	NO	1814	90.7	2.41	
198	1... 13C-PCB-138	4.12e5	1.26	NO	1.18	5.000	45.04	45.06	0.965	0.966	NO	1832	91.6	2.29	
199	1... 13C-PCB-159	4.88e5	1.27	NO	1.44	5.000	46.38	46.38	0.994	0.994	NO	1789	89.5	1.89	
200	2... 13C-PCB-167	4.77e5	1.22	NO	1.44	5.000	47.08	47.08	1.009	1.009	NO	1745	87.2	1.89	
201	2... 13C-PCB-156	4.58e5	1.28	NO	1.40	5.000	48.41	48.41	1.038	1.038	NO	1728	86.4	1.94	
202	2... 13C-PCB-157	4.57e5	1.30	NO	1.40	5.000	48.70	48.69	1.044	1.044	NO	1724	86.2	1.94	
203	2... 13C-PCB-169	4.21e5	1.28	NO	1.33	5.000	50.97	50.97	1.093	1.093	NO	1667	83.3	2.04	
204	2... 13C-PCB-188	3.61e5	0.48	NO	1.41	5.000	43.03	43.03	0.926	0.926	NO	1811	90.6	2.03	
205	2... 13C-PCB-180	2.35e5	0.46	NO	0.929	5.000	49.74	49.74	1.070	1.070	NO	1794	89.7	3.08	
206	2... 13C-PCB-170	1.98e5	0.47	NO	0.794	5.000	51.40	51.40	1.106	1.106	NO	1762	88.1	3.61	
207	2... 13C-PCB-189	2.56e5	0.46	NO	1.04	5.000	53.11	53.11	1.143	1.143	NO	1736	86.8	2.74	
208	2... 13C-PCB-202	2.42e5	0.94	NO	1.04	5.000	48.64	48.64	1.046	1.046	NO	1653	82.7	1.57	
209	2... 13C-PCB-194	3.38e5	0.90	NO	0.768	5.000	54.70	54.72	0.995	0.995	NO	1765	88.3	2.08	
210	2... 13C-PCB-208	3.87e5	0.80	NO	0.991	5.000	53.94	53.96	0.981	0.981	NO	1564	78.2	1.72	
211	2... 13C-PCB-206	2.51e5	0.80	NO	0.552	5.000	56.24	56.26	1.023	1.023	NO	1821	91.0	3.08	
212	2... 13C-PCB-209	2.39e5	1.21	NO	0.396	5.000	57.49	57.49	1.046	1.046	NO	2415	121	0.834	

Dataset: U:\VG11.PRO\Results\201026K1\201026K1-4.qld

Last Altered: Monday, October 26, 2020 14:29:29 Pacific Daylight Time  
Printed: Monday, October 26, 2020 14:30:10 Pacific Daylight Time

Name: 201026K1\_4, Date: 26-Oct-2020, Time: 12:33:13, ID: B0J0186-BLK1 Method Blank 5, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
213	2... 13C-PCB-15	1.25e6	1.61	NO	1.00	5.000	25.58	25.57	1.000	0.000	NO	2000	100	0.824	
214	2... 13C-PCB-31	1.12e6	1.07	NO	1.00	5.000	28.72	28.70	1.000	0.000	NO	2000	100	7.27	
215	2... 13C-PCB-60	7.12e5	0.80	NO	1.00	5.000	36.74	36.74	1.000	0.000	NO	2000	100	3.30	
216	2... 13C-PCB-111	4.17e5	1.64	NO	1.00	5.000	39.33	39.31	1.000	0.000	NO	2000	100	1.84	
217	2... 13C-PCB-128	3.79e5	1.29	NO	1.00	5.000	46.67	46.65	1.000	0.000	NO	2000	100	2.72	
218	2... 13C-PCB-182	2.82e5	0.45	NO	1.00	5.000	46.50	46.48	0.000	0.000	NO	2000	100	2.86	
219	2... 13C-PCB-205	4.99e5	0.91	NO	1.00	5.000	55.01	54.98	1.000	0.000	NO	2000	100	1.60	
220	2... 13C-PCB-79	6.62e5	0.80	NO	1.07	5.000	37.84	37.84	1.030	1.030	NO	1740	87.0	3.09	
221	2... 13C-PCB-178	2.39e5	0.47	NO	0.766	5.000	45.93	45.93	0.988	0.988	NO	1644	82.2	2.90	
222	2... 13C-PCB-79	6.62e5	0.80	NO	1.08	5.000	37.82	37.84	0.968	0.968	NO	2036	102	3.66	
223	2... 13C-PCB-178	2.39e5	0.47	NO	1.05	5.000	45.93	45.93	0.923	0.923	NO	1933	96.6	3.40	
224	2... Total Mono-PCBs				1.17	5.000	0.00		0.000		NO			1.27	0.433
225	2... Total Di-PCBs				1.05	5.000	0.00		0.000		NO			1.24	2.00
226	2... 2nd Function Tri-PCBs				1.08	5.000	0.00		0.000		NO			1.87	
227	2... 3rd Function Tri-PCBs				0.983	5.000	0.00		0.000		NO			9.29	0.970
228	2... Total Tetra-PCBs				1.08	5.000	0.00		0.000		NO			1.79	0.844
229	2... 3rd Function Penta-PCBs				1.32	5.000	0.00		0.000		NO			15.2	
230	2... 4th Function Penta-PCBs				1.07	5.000	0.00		0.000		NO			2.02	0.729
231	2... 3rd Function Hexa-PCBs				0.951	5.000	0.00		0.000		NO	0.0000		6.96	0.7307
232	2... 4th Function Hexa-PCBs				1.03	5.000	0.00		0.000		NO			7.42	0.579
233	2... Total Hepta-PCBs				1.36	5.000	0.00		0.000		NO			18.3	
234	2... 4th Function Octa-PCBs				1.00	5.000	0.00		0.000		NO			20.5	
235	2... 5th Function Octa-PCBs				1.15	5.000	0.00		0.000		NO	0.0000		1.05	0.6735
236	2... Total Nona-PCBs				0.952	5.000	0.00		0.000		NO			1.74	6.455
237	2... Deca-CB				0.986	5.000	0.00		0.000		NO			0.606	
238	2... Total PCBs														



Dataset: U:\VG11.PRO\Results\201026K1\201026K1-4.qld

Last Altered: Monday, October 26, 2020 14:29:29 Pacific Daylight Time

Printed: Monday, October 26, 2020 14:31:17 Pacific Daylight Time

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_10-24-20.mdb 24 Oct 2020 13:45:57  
Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-6-1-20.cdb 02 Jun 2020 10:21:16

ID: B0J0186-BLK1 Method Blank 5, Description: Method Blank

**Total Mono-PCBs**

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

**Total Di-PCBs**

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

**2nd Function Tri-PCBs**

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

**3rd Function Tri-PCBs**

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

**Total Tetra-PCBs**

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

**3rd Function Penta-PCBs**

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

Dataset: U:\VG11.PRO\Results\201026K1\201026K1-4.qld

Last Altered: Monday, October 26, 2020 14:29:29 Pacific Daylight Time  
 Printed: Monday, October 26, 2020 14:31:17 Pacific Daylight Time

**ID: B0J0186-BLK1 Method Blank 5, Description: Method Blank**

**4th Function Penta-PCBs**

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

**3rd Function Hexa-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-139/149	41.68	41.63	4.790e2	8.490e2	3.696e1	6.013e1	0.61	YES	9.709e1	0.00000	0.73074	0.481

**4th Function Hexa-PCBs**

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

**Total Hepta-PCBs**

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

**4th Function Octa-PCBs**

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

**5th Function Octa-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-194	54.74	54.74	1.810e3	1.416e3	9.014e1	6.726e1	1.34	YES	1.574e2	0.00000	0.67348	0.357

**Total Nona-PCBs**

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

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\201026K1\201026K1-4.qld

Last Altered: Monday, October 26, 2020 14:29:29 Pacific Daylight Time

Printed: Monday, October 26, 2020 14:31:17 Pacific Daylight Time

**ID: B0J0186-BLK1 Method Blank 5, Description: Method Blank**

**Deca-CB**

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

**Total PCBs**

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

**Total Mono-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-1	15.57	15.55	7.777e6	2.442e6	4.831e5	1.498e5	3.22	NO	6.329e5	1137.7		1.92
2	13C-PCB-3	18.21	18.20	8.174e6	2.451e6	5.230e5	1.551e5	3.37	NO	6.781e5	1195.6		1.89

**Total Di-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-4	19.58	19.56	5.582e6	3.473e6	3.518e5	2.178e5	1.62	NO	5.697e5	1525.0		1.37
2	13C-PCB-9	21.39	21.39	9.197e6	5.767e6	5.821e5	3.620e5	1.61	NO	9.441e5	1563.8		0.850
3	13C-PCB-11	24.85	24.85	9.160e6	5.657e6	5.968e5	3.680e5	1.62	NO	9.648e5	1611.5		0.857
4	13C-PCB-15	25.58	25.57	1.143e7	7.125e6	7.676e5	4.776e5	1.61	NO	1.245e6	2000.0		0.824

**2nd Function Tri-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-19	23.81	23.80	3.407e6	3.175e6	2.175e5	2.032e5	1.07	NO	4.207e5	1354.5		10.6
2	13C-PCB-32	26.80	26.80	5.044e6	4.714e6	3.290e5	3.065e5	1.07	NO	6.355e5	1371.6		7.12

**3rd Function Tri-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-31	28.72	28.70	7.805e6	7.292e6	5.774e5	5.384e5	1.07	NO	1.116e6	2000.0		7.27
2	13C-PCB-28	28.81	28.81	6.613e6	6.214e6	4.957e5	4.686e5	1.06	NO	9.642e5	1624.0		6.83
3	13C-PCB-37	32.79	32.81	5.738e6	5.497e6	4.570e5	4.347e5	1.05	NO	8.917e5	1615.9		7.35

Dataset: U:\VG11.PRO\Results\201026K1\201026K1-4.qld

Last Altered: Monday, October 26, 2020 14:29:29 Pacific Daylight Time  
 Printed: Monday, October 26, 2020 14:31:17 Pacific Daylight Time

**ID: B0J0186-BLK1 Method Blank 5, Description: Method Blank**

**Tetra-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-54	27.65	27.64	3.417e6	4.447e6	2.595e5	3.292e5	0.79	NO	5.887e5	1654.2		3.31
2	13C-PCB-52	31.32	31.31	2.986e6	3.609e6	2.229e5	2.707e5	0.82	NO	4.936e5	1723.5		4.11
3	13C-PCB-47	31.85	31.83	3.167e6	3.886e6	2.427e5	2.951e5	0.82	NO	5.378e5	1761.8		3.85
4	13C-PCB-70	35.47	35.46	3.634e6	4.466e6	2.735e5	3.399e5	0.80	NO	6.133e5	1729.8		3.32
5	13C-PCB-80	35.91	35.88	3.427e6	4.434e6	2.719e5	3.506e5	0.78	NO	6.224e5	1700.1		3.21
6	13C-PCB-60	36.74	36.74	4.001e6	4.947e6	3.165e5	3.957e5	0.80	NO	7.122e5	2000.0		3.30
7	13C-PCB-79	37.84	37.84	3.776e6	4.674e6	2.945e5	3.678e5	0.80	NO	6.624e5	1740.2		3.09
8	13C-PCB-81	39.10	39.08	3.353e6	4.170e6	2.683e5	3.331e5	0.81	NO	6.014e5	1709.4		3.34
9	13C-PCB-77	39.72	39.70	3.201e6	4.029e6	2.533e5	3.188e5	0.79	NO	5.721e5	1658.4		3.41

**3rd Function Penta-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-104	32.49	32.50	3.035e6	1.843e6	2.313e5	1.392e5	1.66	NO	3.705e5	1748.4		1.81
2	13C-PCB-95	35.75	35.75	2.300e6	1.472e6	1.827e5	1.139e5	1.60	NO	2.966e5	1767.1		2.29
3	13C-PCB-101	37.50	37.50	2.357e6	1.439e6	1.793e5	1.099e5	1.63	NO	2.892e5	1750.2		2.33
4	13C-PCB-97	38.84	38.84	2.074e6	1.277e6	1.606e5	9.809e4	1.64	NO	2.587e5	1781.8		2.65
5	13C-PCB-111	39.33	39.31	3.385e6	2.043e6	2.591e5	1.578e5	1.64	NO	4.169e5	2000.0		1.84
6	13C-PCB-123	41.50	41.50	2.787e6	1.740e6	2.138e5	1.332e5	1.60	NO	3.470e5	1784.4		1.98
7	13C-PCB-118	41.69	41.69	2.902e6	1.750e6	2.189e5	1.329e5	1.65	NO	3.518e5	1712.2		1.87

**4th Function Penta-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-114	42.35	42.37	4.651e6	2.904e6	3.671e5	2.291e5	1.60	NO	5.962e5	2032.9		2.53
2	13C-PCB-105	43.26	43.26	4.736e6	2.941e6	3.744e5	2.318e5	1.61	NO	6.062e5	2033.0		2.49
3	13C-PCB-127	43.60	43.60	4.870e6	3.024e6	3.882e5	2.420e5	1.60	NO	6.302e5	2045.4		2.41
4	13C-PCB-126	45.55	45.57	4.259e6	2.694e6	3.415e5	2.161e5	1.58	NO	5.575e5	1875.2		2.50

Dataset: U:\VG11.PRO\Results\201026K1\201026K1-4.qld

Last Altered: Monday, October 26, 2020 14:29:29 Pacific Daylight Time  
 Printed: Monday, October 26, 2020 14:31:17 Pacific Daylight Time

**ID: B0J0186-BLK1 Method Blank 5, Description: Method Blank**

**4th Function Hexa-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-153	43.41	43.43	3.452e6	2.724e6	2.676e5	2.109e5	1.27	NO	4.784e5	1848.5		1.99
2	13C-PCB-141	44.19	44.19	2.781e6	2.234e6	2.160e5	1.719e5	1.26	NO	3.879e5	1813.8		2.41
3	13C-PCB-138	45.04	45.06	2.870e6	2.293e6	2.292e5	1.824e5	1.26	NO	4.116e5	1832.3		2.29
4	13C-PCB-159	46.38	46.38	3.529e6	2.771e6	2.732e5	2.152e5	1.27	NO	4.883e5	1789.1		1.89
5	13C-PCB-128	46.67	46.65	2.712e6	2.102e6	2.137e5	1.656e5	1.29	NO	3.793e5	2000.0		2.72
6	13C-PCB-167	47.08	47.08	3.419e6	2.783e6	2.622e5	2.143e5	1.22	NO	4.765e5	1744.9		1.89
7	13C-PCB-156	48.41	48.41	3.239e6	2.524e6	2.571e5	2.007e5	1.28	NO	4.578e5	1728.2		1.94
8	13C-PCB-157	48.70	48.69	3.294e6	2.521e6	2.582e5	1.984e5	1.30	NO	4.566e5	1723.5		1.94
9	13C-PCB-169	50.97	50.97	2.954e6	2.287e6	2.364e5	1.844e5	1.28	NO	4.208e5	1666.8		2.04

**5th Function Octa-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-194	54.70	54.72	2.795e6	3.068e6	1.602e5	1.781e5	0.90	NO	3.383e5	1765.2		2.08
2	13C-PCB-205	55.01	54.98	4.399e6	4.857e6	2.378e5	2.612e5	0.91	NO	4.990e5	2000.0		1.60

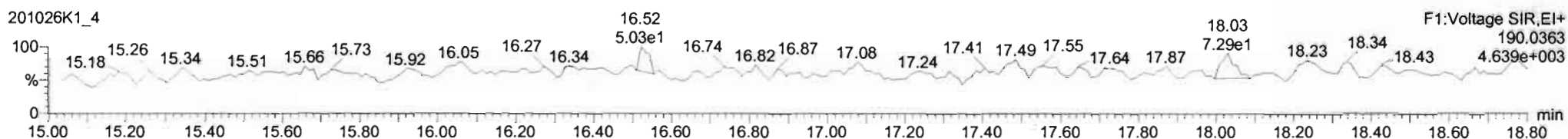
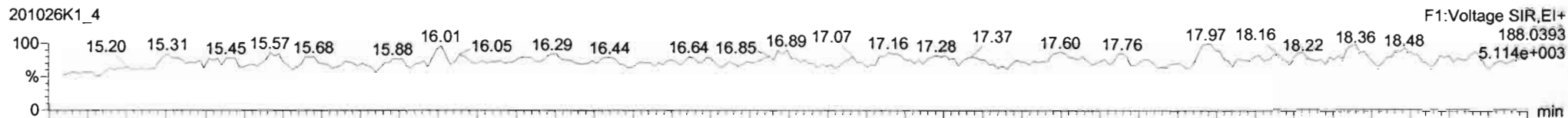
Dataset: Untitled

Last Altered: Monday, October 26, 2020 14:15:04 Pacific Daylight Time

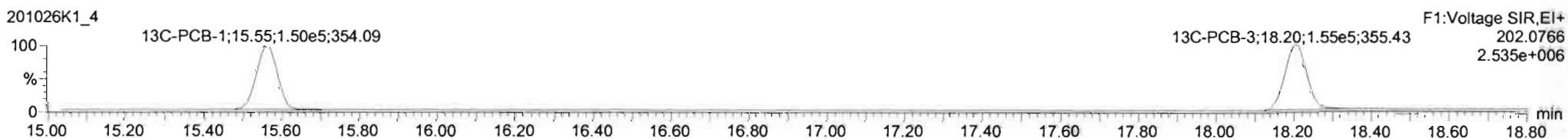
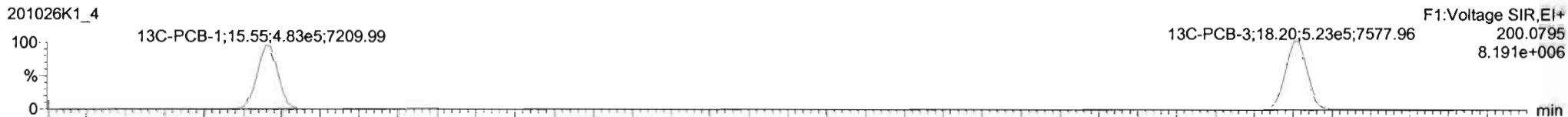
Printed: Monday, October 26, 2020 14:15:20 Pacific Daylight Time

Name: 201026K1\_4, Date: 26-Oct-2020, Time: 12:33:13, ID: B0J0186-BLK1 Method Blank 5, Description: Method Blank

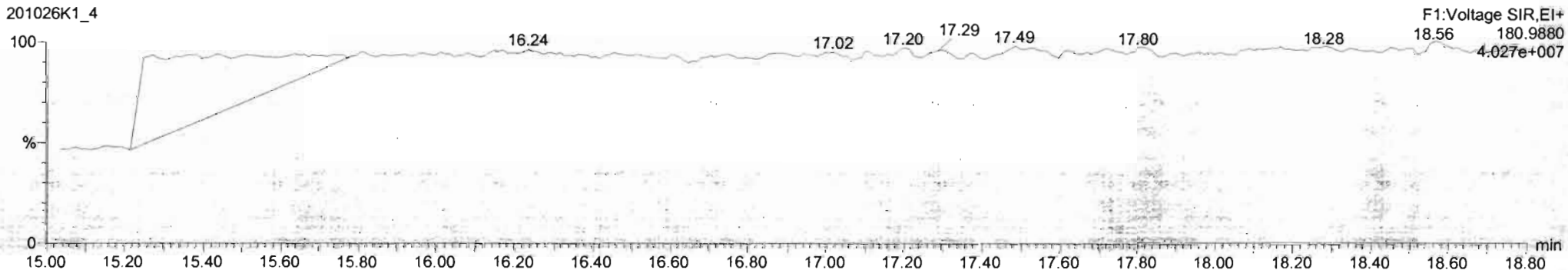
**PCB-1**



**13C-PCB-1**



**PFK1**

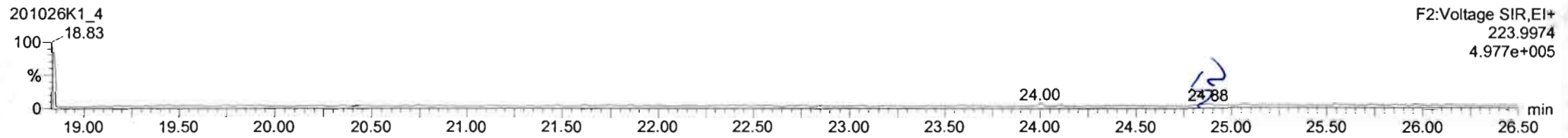
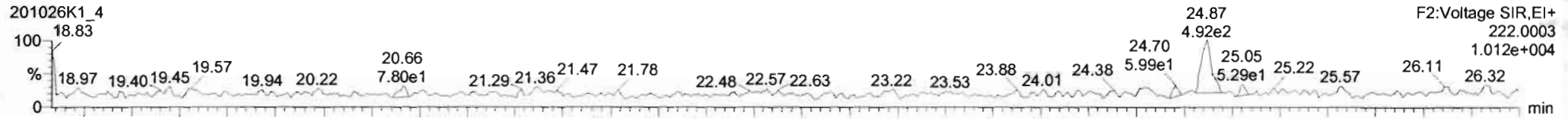


Dataset: Untitled

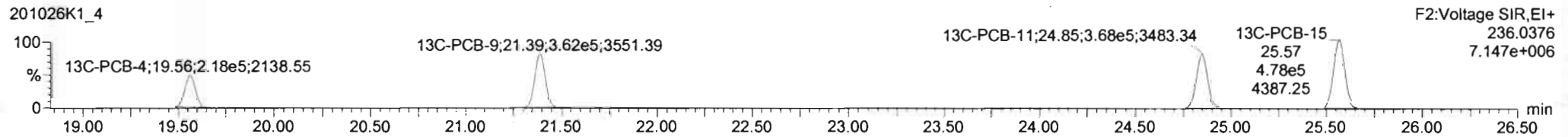
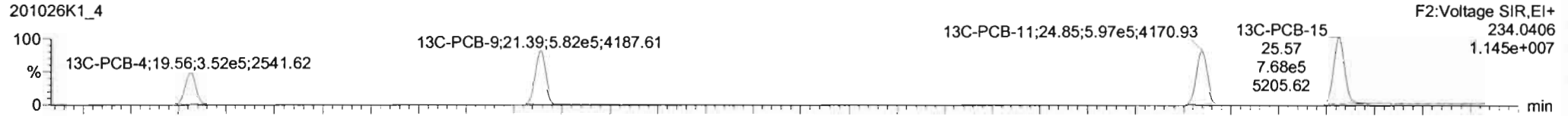
Last Altered: Monday, October 26, 2020 14:15:04 Pacific Daylight Time  
Printed: Monday, October 26, 2020 14:15:20 Pacific Daylight Time

Name: 201026K1\_4, Date: 26-Oct-2020, Time: 12:33:13, ID: B0J0186-BLK1 Method Blank 5, Description: Method Blank

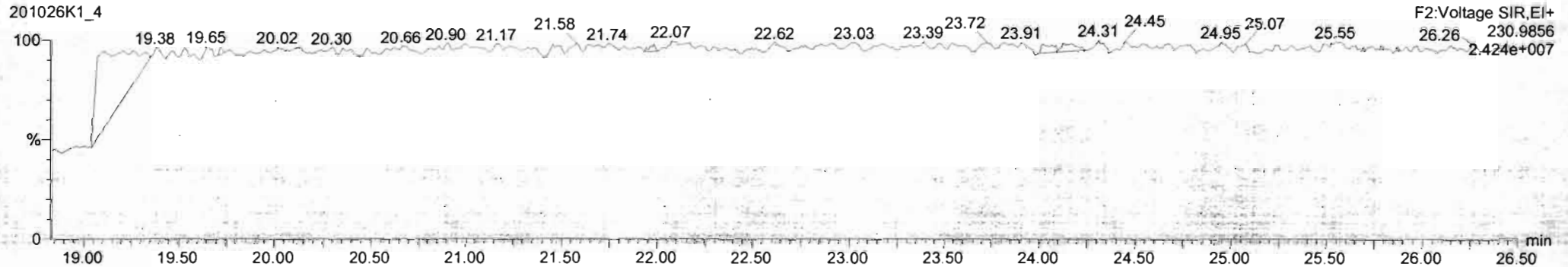
**PCB-4/10**



**13C-PCB-4**



**PFK2a**

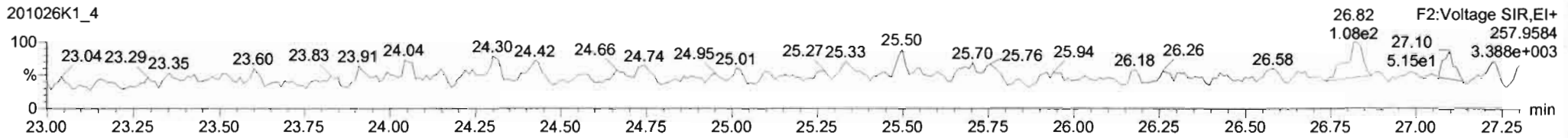
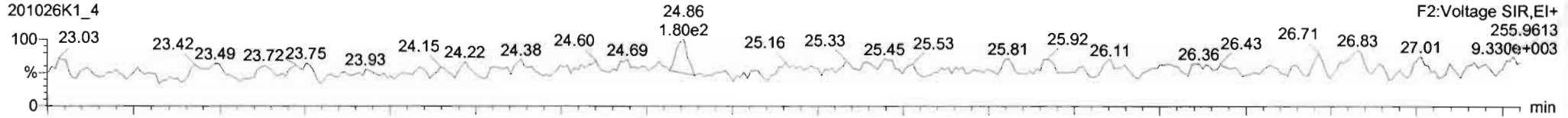


Dataset: Untitled

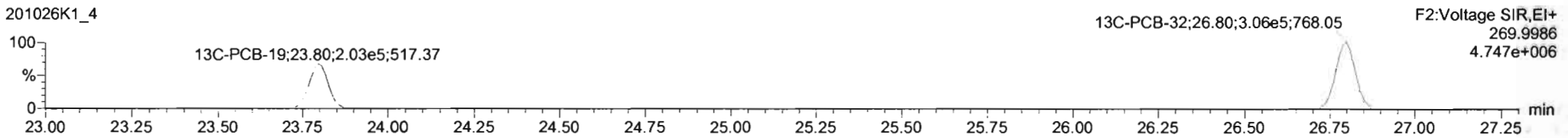
Last Altered: Monday, October 26, 2020 14:15:04 Pacific Daylight Time  
Printed: Monday, October 26, 2020 14:15:20 Pacific Daylight Time

Name: 201026K1\_4, Date: 26-Oct-2020, Time: 12:33:13, ID: B0J0186-BLK1 Method Blank 5, Description: Method Blank

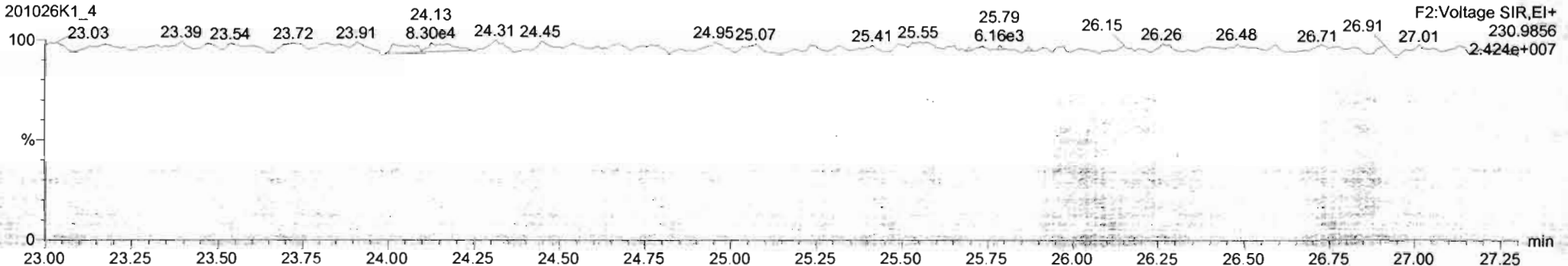
**PCB-19**



**13C-PCB-19**



**PFK2b**





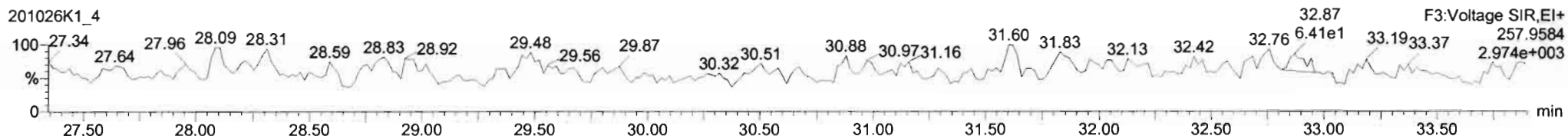
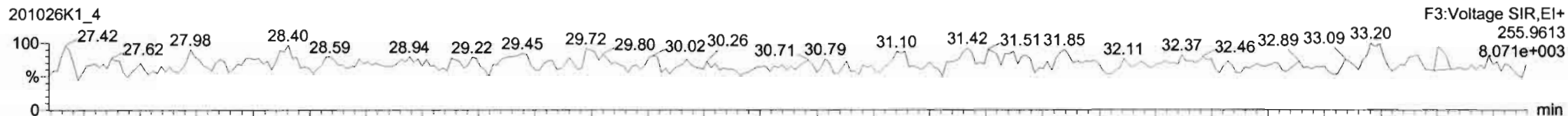
Dataset: Untitled

Last Altered: Monday, October 26, 2020 14:15:04 Pacific Daylight Time

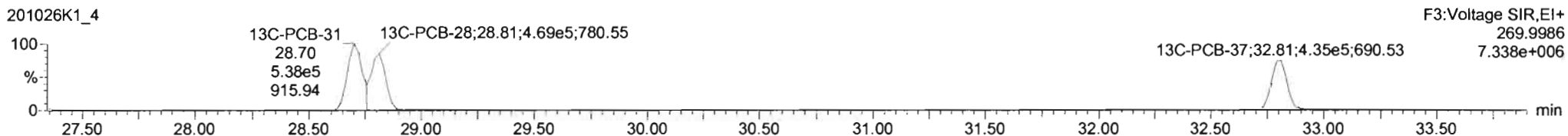
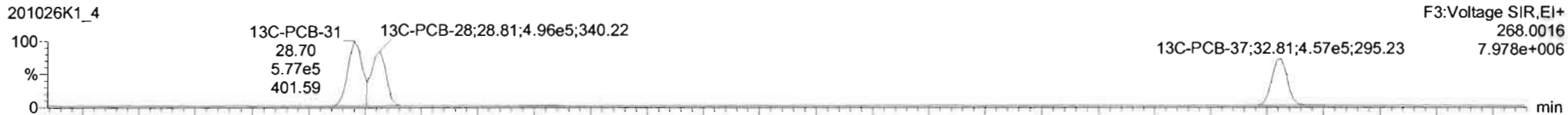
Printed: Monday, October 26, 2020 14:15:20 Pacific Daylight Time

Name: 201026K1\_4, Date: 26-Oct-2020, Time: 12:33:13, ID: B0J0186-BLK1 Method Blank 5, Description: Method Blank

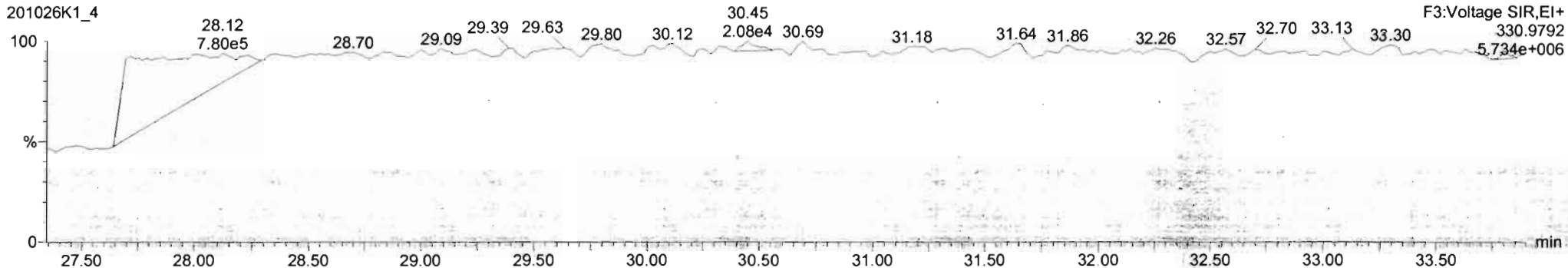
**PCB-34**



**13C-PCB-28**



**PFK3d**

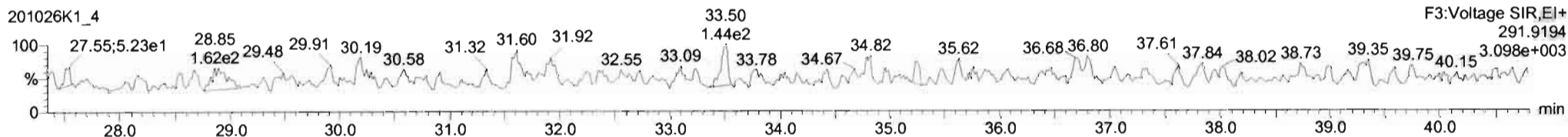
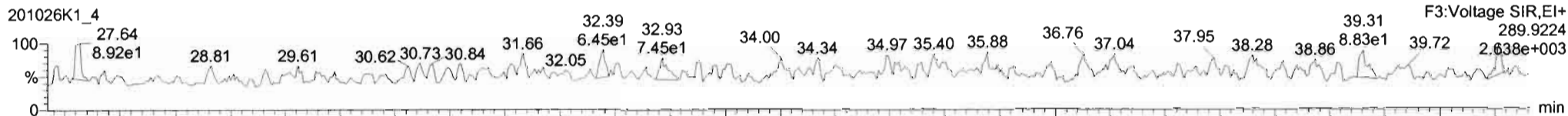


Dataset: Untitled

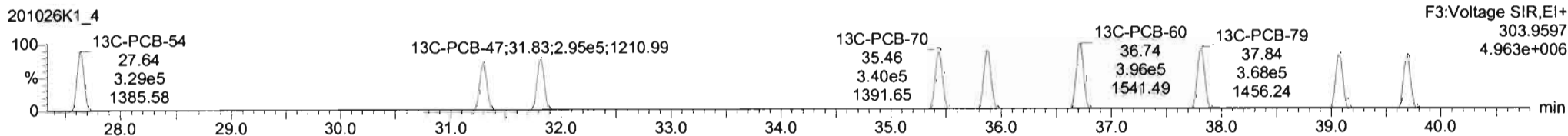
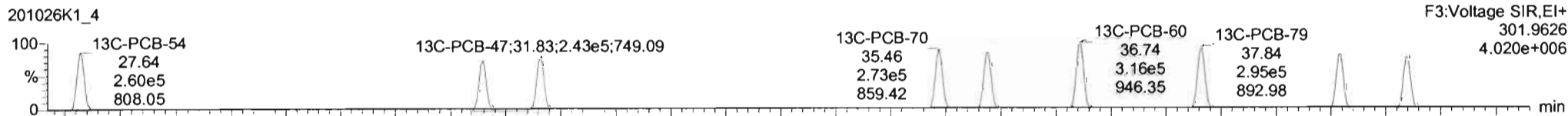
Last Altered: Monday, October 26, 2020 14:15:04 Pacific Daylight Time  
Printed: Monday, October 26, 2020 14:15:20 Pacific Daylight Time

Name: 201026K1\_4, Date: 26-Oct-2020, Time: 12:33:13, ID: B0J0186-BLK1 Method Blank 5, Description: Method Blank

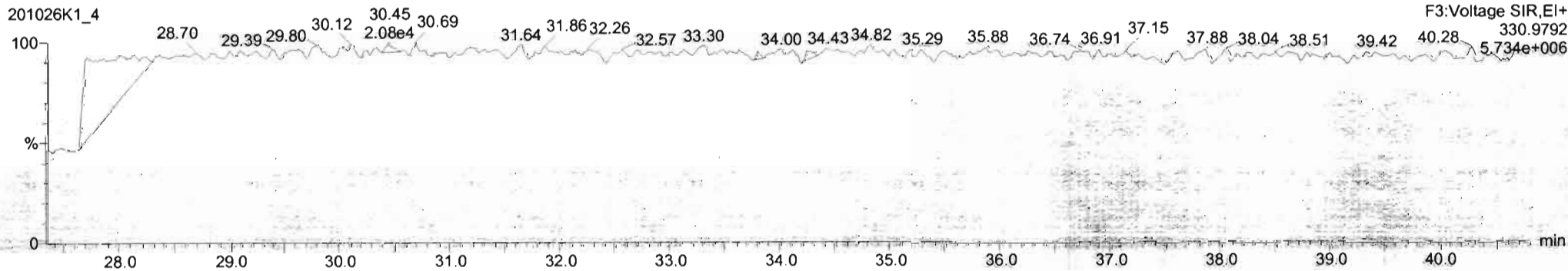
**PCB-54**



**13C-PCB-54**



**PFK3a**

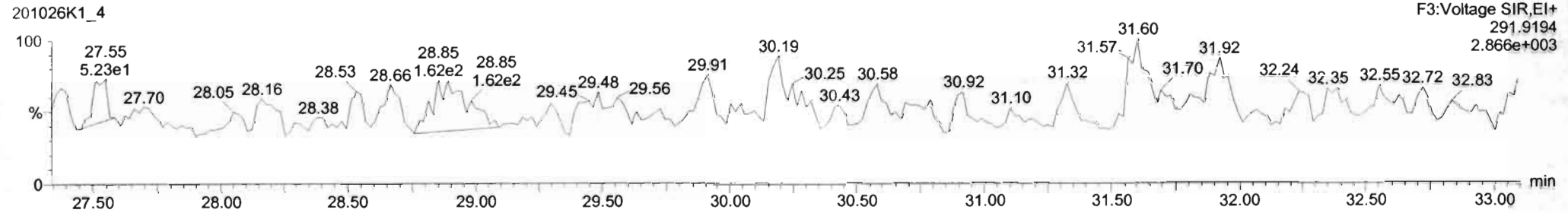
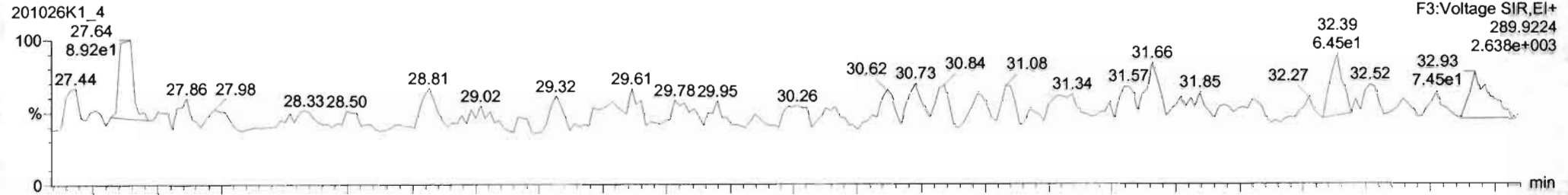


Dataset: Untitled

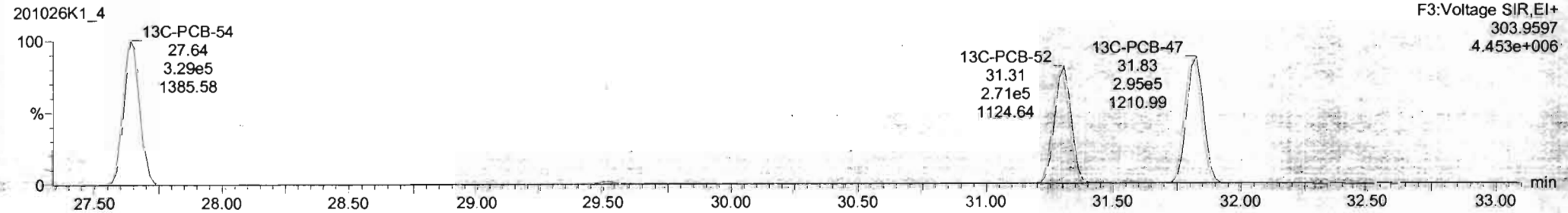
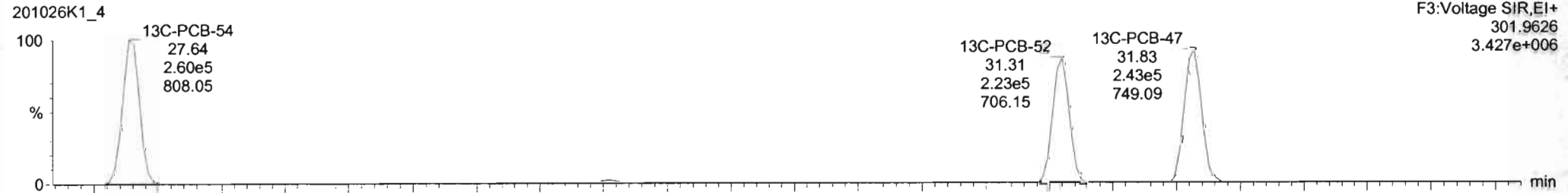
Last Altered: Monday, October 26, 2020 14:15:04 Pacific Daylight Time  
Printed: Monday, October 26, 2020 14:15:20 Pacific Daylight Time

Name: 201026K1\_4, Date: 26-Oct-2020, Time: 12:33:13, ID: B0J0186-BLK1 Method Blank 5, Description: Method Blank

**PCB-50**



**13C-PCB-52**



Dataset: Untitled

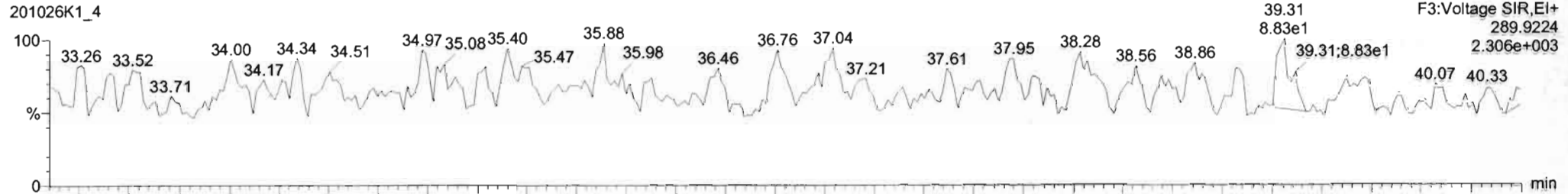
Last Altered: Monday, October 26, 2020 14:15:04 Pacific Daylight Time

Printed: Monday, October 26, 2020 14:15:20 Pacific Daylight Time

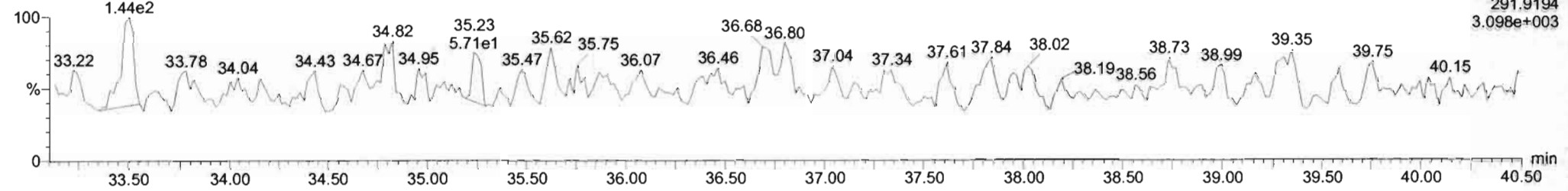
Name: 201026K1\_4, Date: 26-Oct-2020, Time: 12:33:13, ID: B0J0186-BLK1 Method Blank 5, Description: Method Blank

**PCB-68**

201026K1\_4

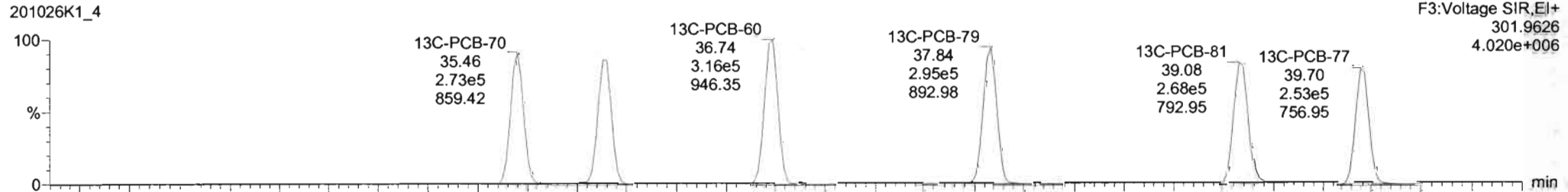


201026K1\_4

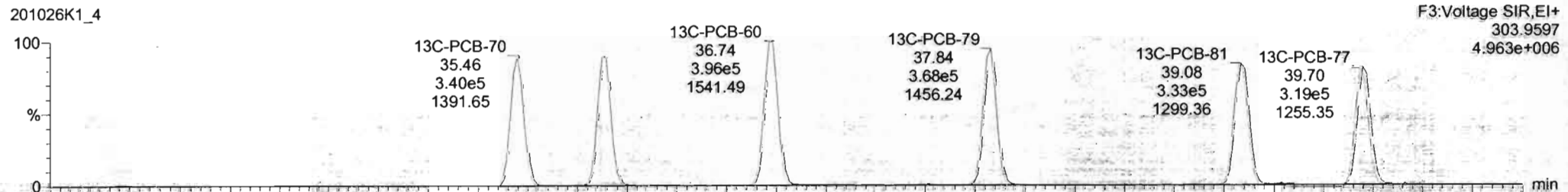


**13C-PCB-60**

201026K1\_4



201026K1\_4



Dataset: Untitled

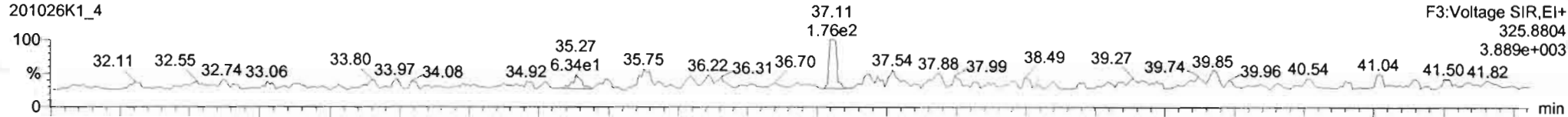
Last Altered: Monday, October 26, 2020 14:15:04 Pacific Daylight Time

Printed: Monday, October 26, 2020 14:15:20 Pacific Daylight Time

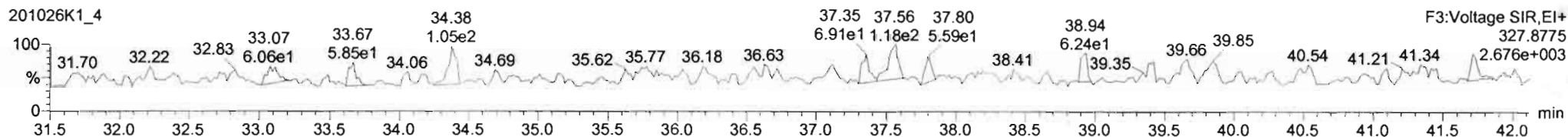
Name: 201026K1\_4, Date: 26-Oct-2020, Time: 12:33:13, ID: B0J0186-BLK1 Method Blank 5, Description: Method Blank

### PCB-104

201026K1\_4

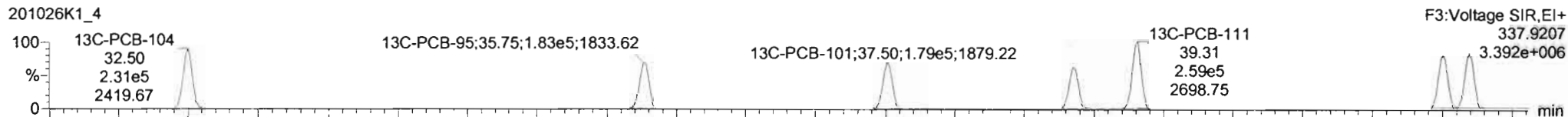


201026K1\_4

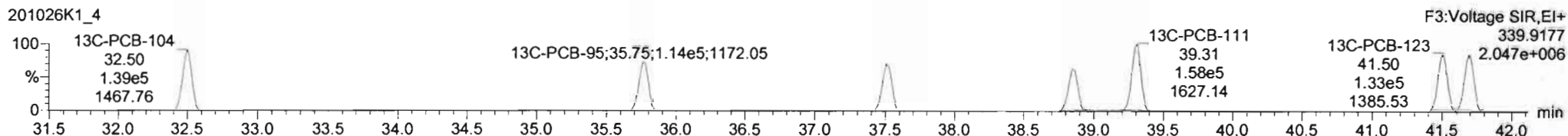


### 13C-PCB-104

201026K1\_4

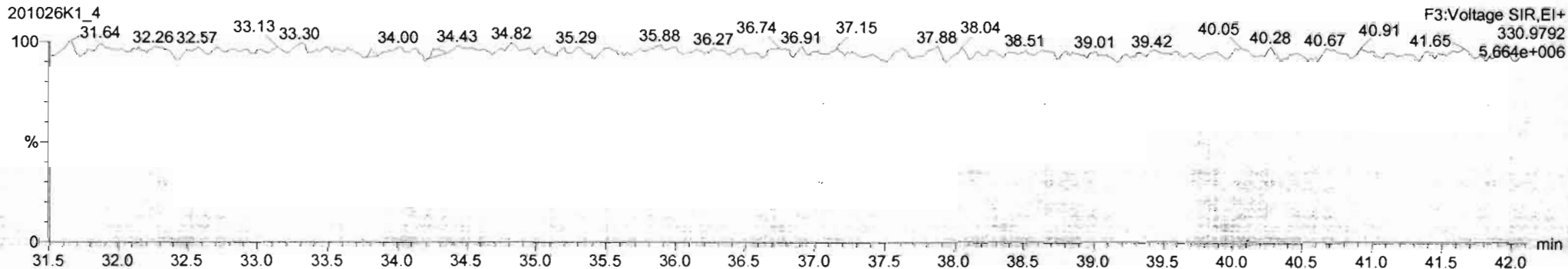


201026K1\_4



### PFK3b

201026K1\_4



Dataset: Untitled

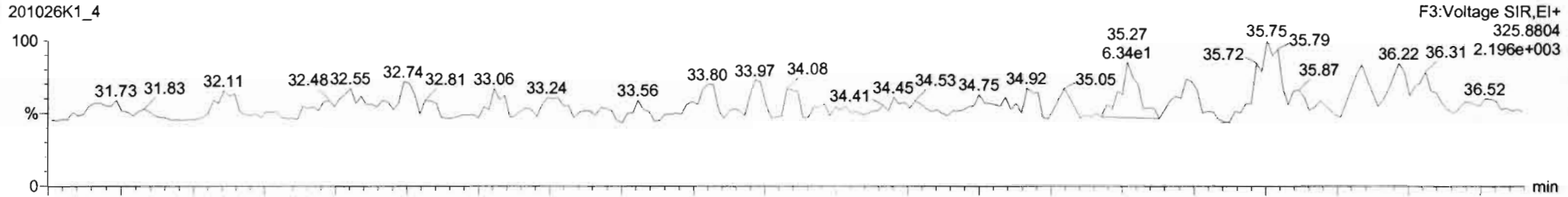
Last Altered: Monday, October 26, 2020 14:15:04 Pacific Daylight Time

Printed: Monday, October 26, 2020 14:15:20 Pacific Daylight Time

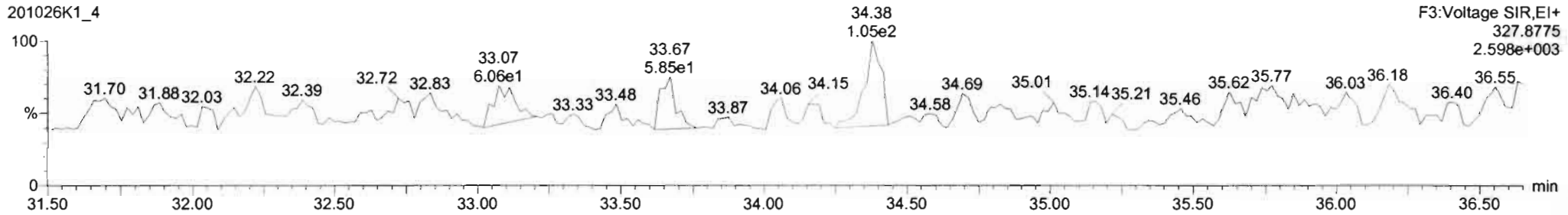
Name: 201026K1\_4, Date: 26-Oct-2020, Time: 12:33:13, ID: B0J0186-BLK1 Method Blank 5, Description: Method Blank

**PCB-96**

201026K1\_4

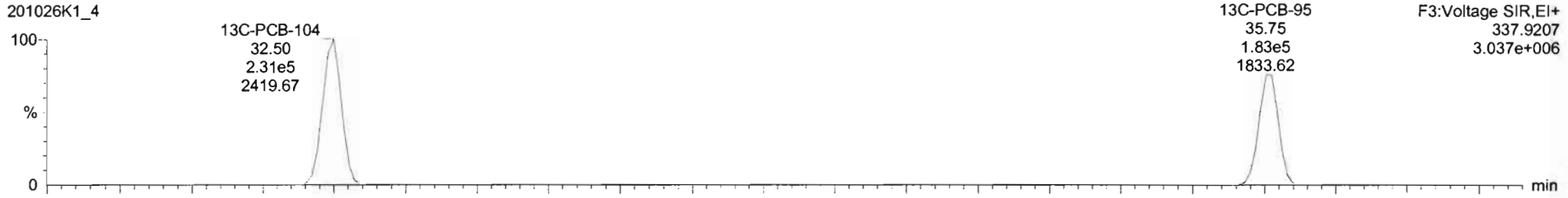


201026K1\_4

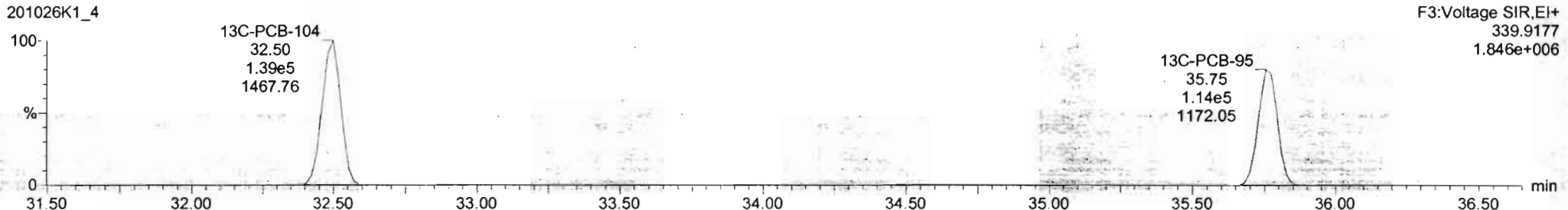


**13C-PCB-95**

201026K1\_4



201026K1\_4



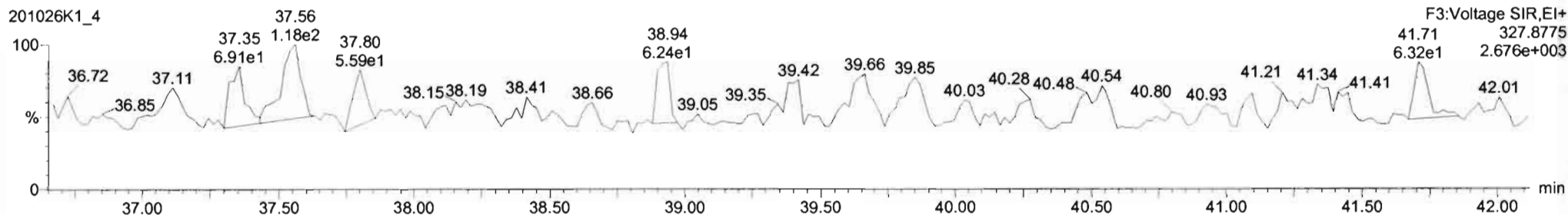
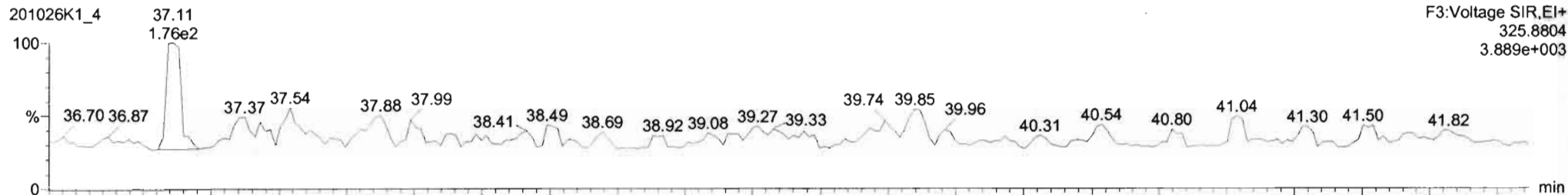
Dataset: Untitled

Last Altered: Monday, October 26, 2020 14:15:04 Pacific Daylight Time

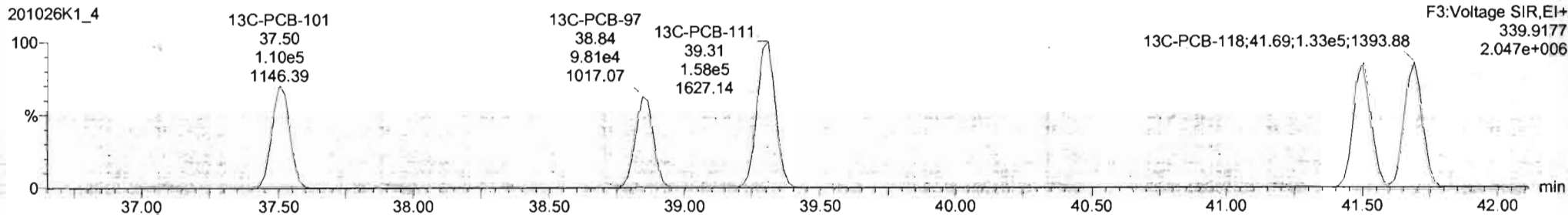
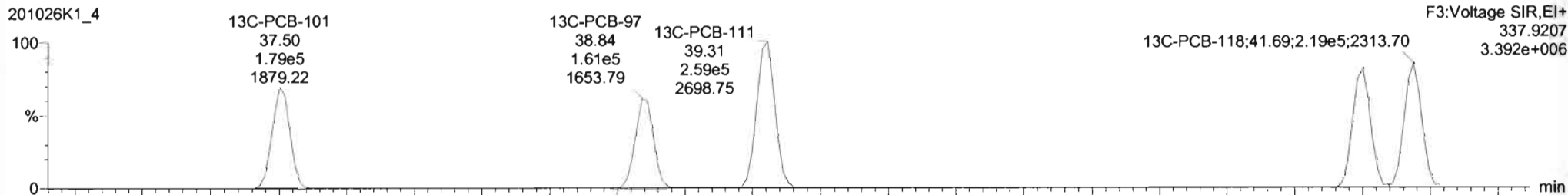
Printed: Monday, October 26, 2020 14:15:20 Pacific Daylight Time

Name: 201026K1\_4, Date: 26-Oct-2020, Time: 12:33:13, ID: B0J0186-BLK1 Method Blank 5, Description: Method Blank

**PCB-119**



**13C-PCB-111**



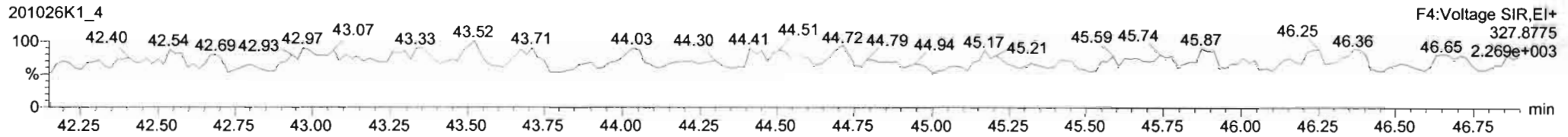
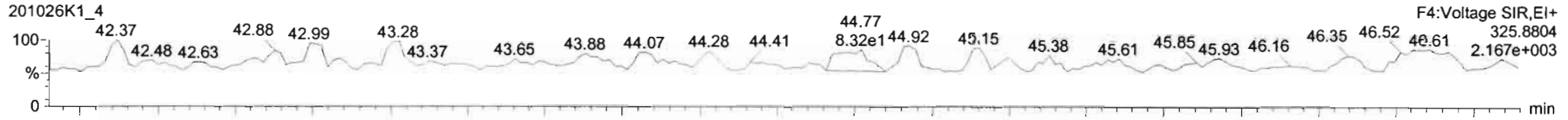
Dataset: Untitled

Last Altered: Monday, October 26, 2020 14:15:04 Pacific Daylight Time

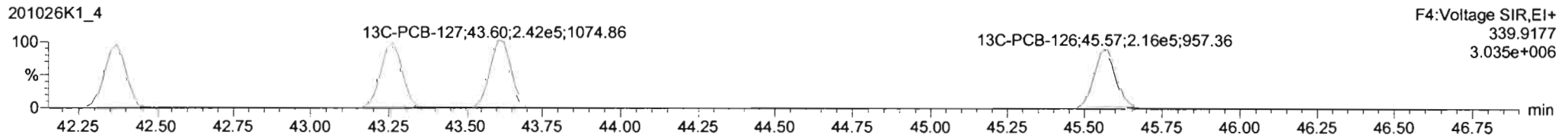
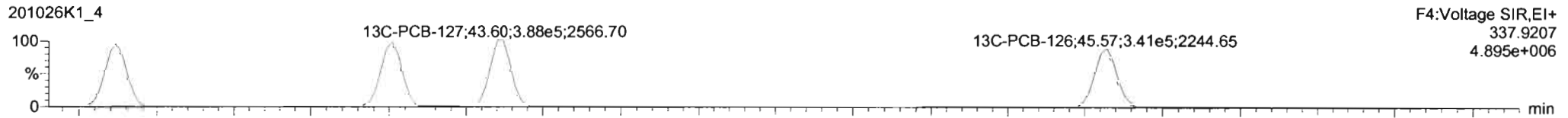
Printed: Monday, October 26, 2020 14:15:20 Pacific Daylight Time

Name: 201026K1\_4, Date: 26-Oct-2020, Time: 12:33:13, ID: B0J0186-BLK1 Method Blank 5, Description: Method Blank

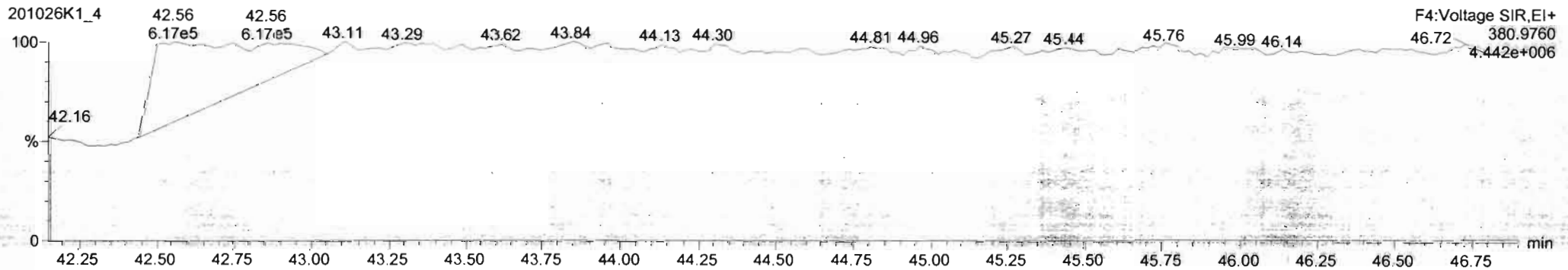
**PCB-114**



**13C-PCB-114**



**PFK4a**





Dataset: Untitled

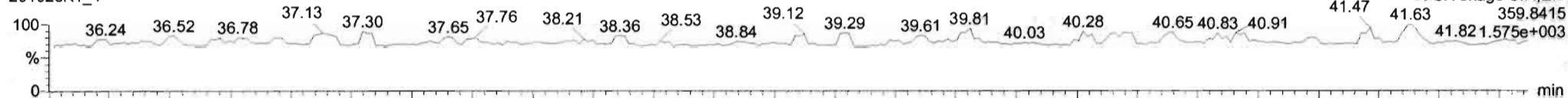
Last Altered: Monday, October 26, 2020 14:15:04 Pacific Daylight Time

Printed: Monday, October 26, 2020 14:15:20 Pacific Daylight Time

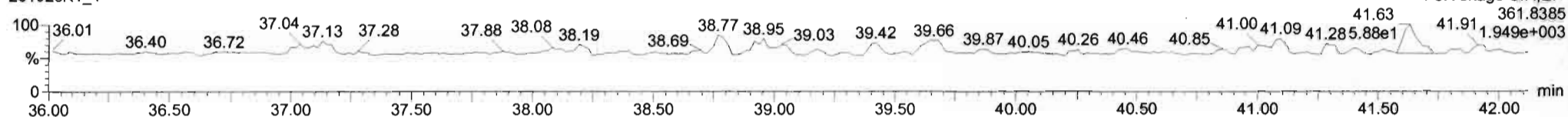
Name: 201026K1\_4, Date: 26-Oct-2020, Time: 12:33:13, ID: B0J0186-BLK1 Method Blank 5, Description: Method Blank

**PCB-155**

201026K1\_4

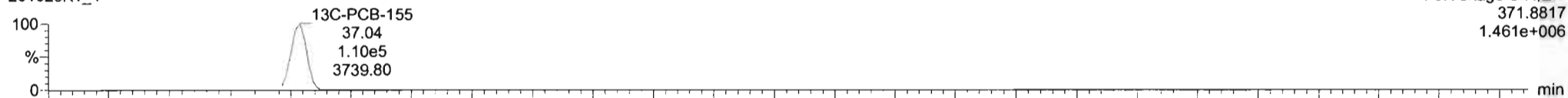


201026K1\_4

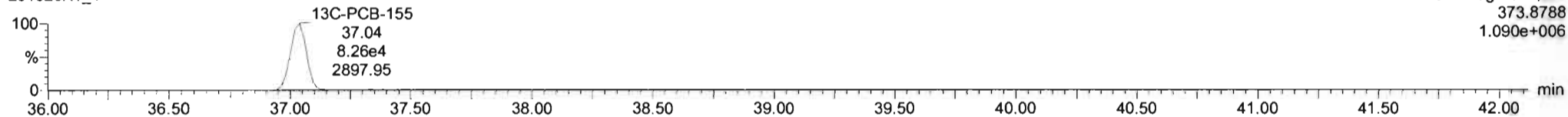


**13C-PCB-155**

201026K1\_4

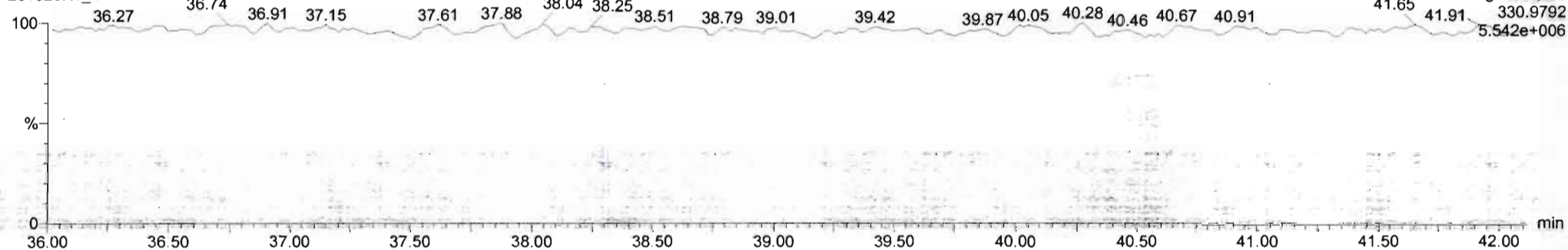


201026K1\_4



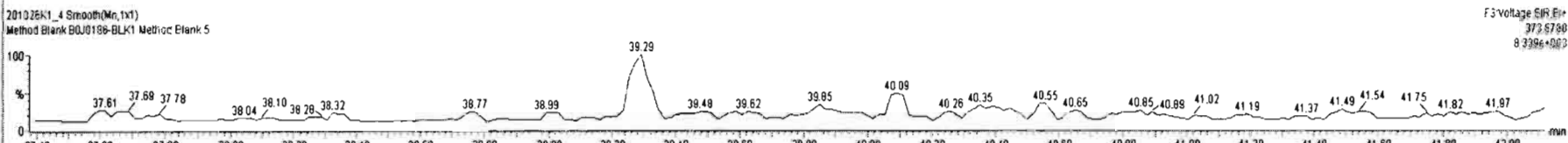
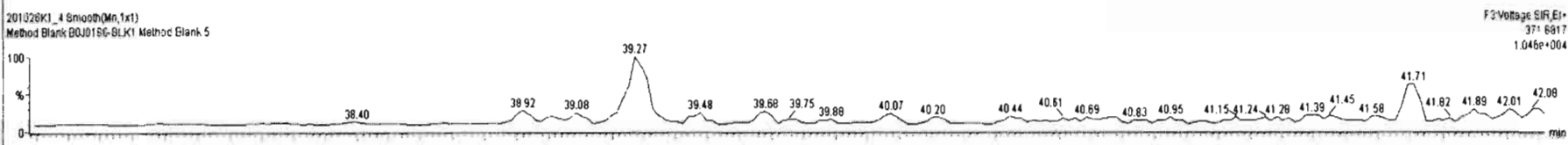
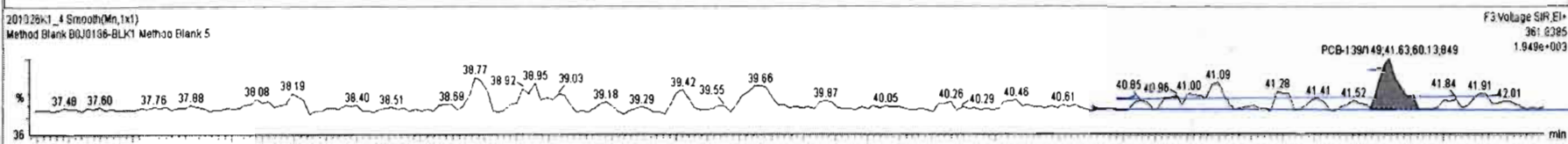
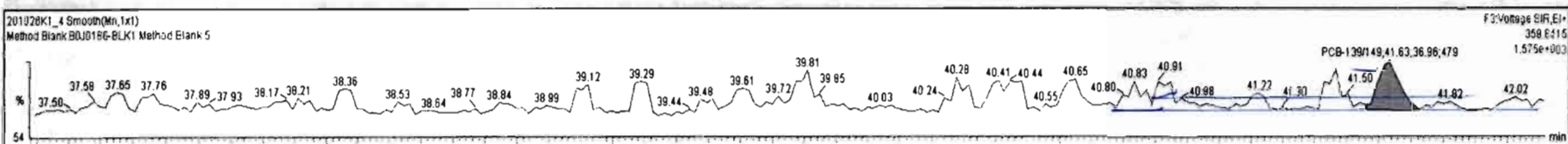
**PFK3c**

201026K1\_4



#	Name	Resp	RA	n/y	RRF	wAol	Pred RT	RT	Pred_R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
226	226 2nd Function Tri-PCBs				1.0807	5.000	0.00		0.000		NO			4.87	
227	227 3rd Function Tri-PCBs				0.9828	5.000	0.00		0.000		NO			9.29	
228	228 Total Tetra-PCBs				1.0778	5.000	0.00		0.000		NO			14.9	
229	229 3rd Function Penta-PCBs				1.3157	5.000	0.00		0.000		NO			15.2	
230	230 4th Function Penta-PCBs				1.0735	5.000	0.00		0.000		NO			2.02	
231	231 3rd Function Hexa-PCBs				0.9505	5.000	0.00		0.000		NO	0.0000		6.38	0.7307
232	232 4th Function Hexa-PCBs				1.0316	5.000	0.00		0.000		NO			7.42	
233	233 Total Hepta-PCBs				1.3551	5.000	0.00		0.000		NO	0.8535		10.3	0.8535
234	234 4th Function Octa-PCBs				1.0008	5.000	0.00		0.000		NO			2.95	

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	109 PCB-139/49	41.68	41.63	3.696e1	6.013e1	1.240	0.61	YES	0.73074	0.00000

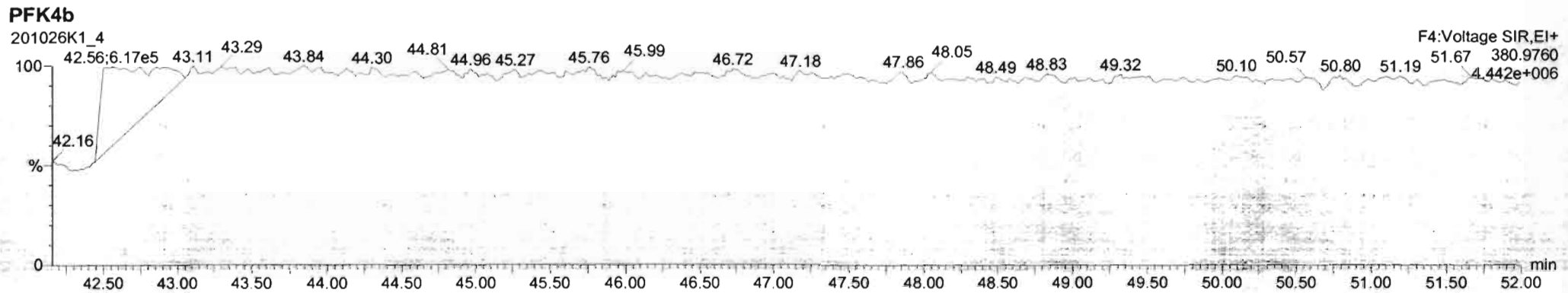
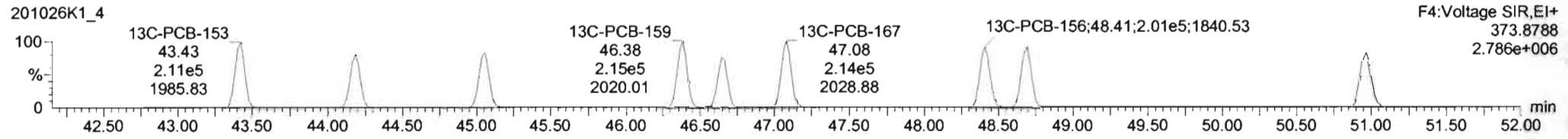
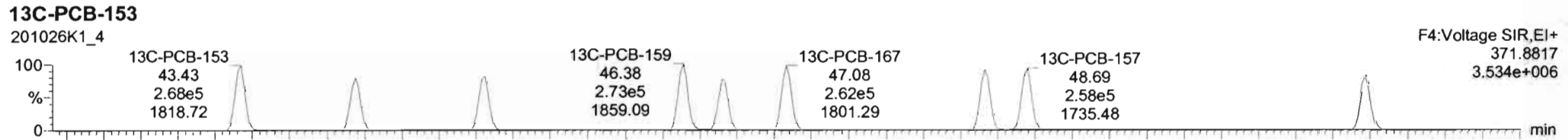
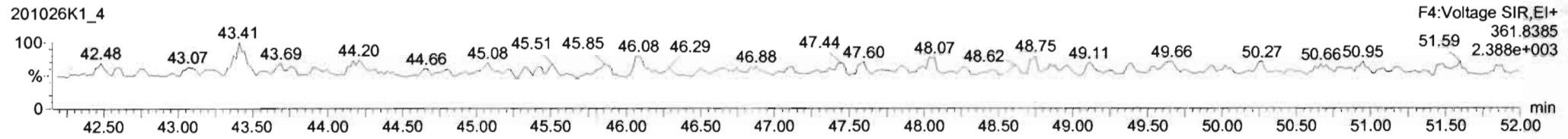
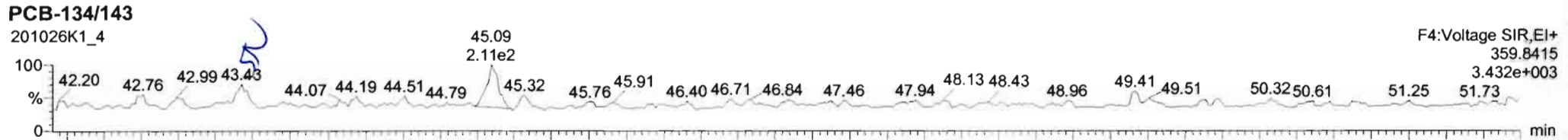


Dataset: Untitled

Last Altered: Monday, October 26, 2020 14:15:04 Pacific Daylight Time

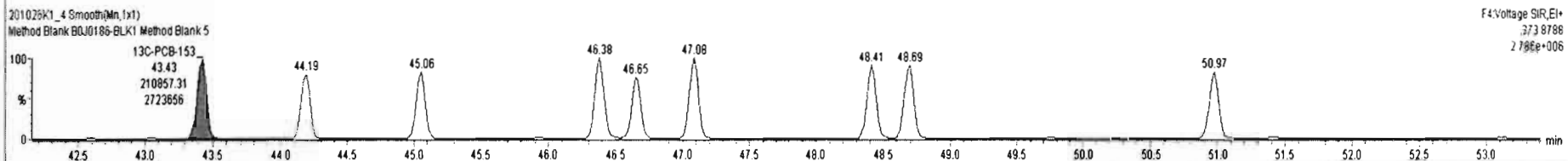
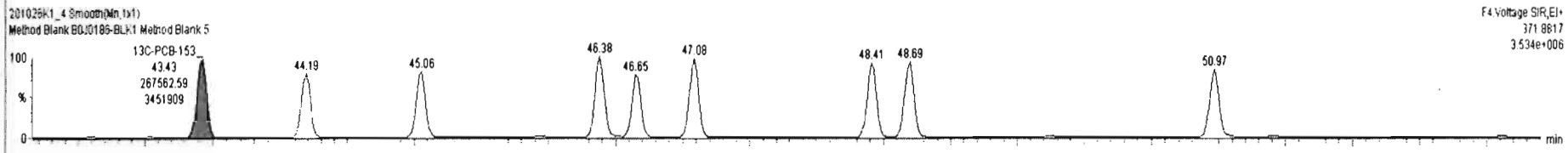
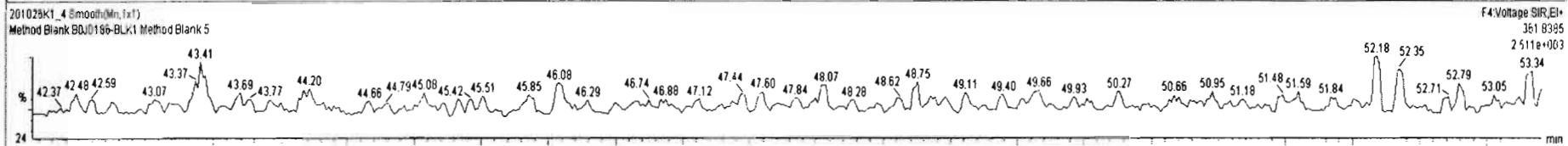
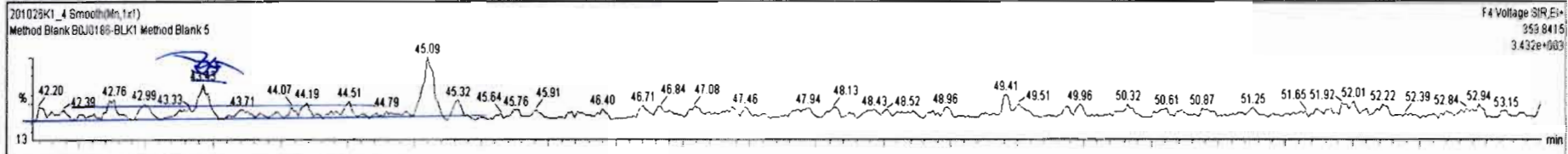
Printed: Monday, October 26, 2020 14:15:20 Pacific Daylight Time

Name: 201026K1\_4, Date: 26-Oct-2020, Time: 12:33:13, ID: B0J0186-BLK1 Method Blank 5, Description: Method Blank



#	Name	Resp	RA	nly	RPF	wAvol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
226	2nd Function Tri-PCBs				1.0807	5.000	0.00		0.000		NO			4.87	
227	3rd Function Tri-PCBs				0.9828	5.000	0.00		0.000		NO			9.29	
228	Total Tetra-PCBs				1.0778	5.000	0.00		0.000		NO			14.9	
229	3rd Function Penta-PCBs				1.3157	5.000	0.00		0.000		NO			15.2	
230	4th Function Penta-PCBs				1.0735	5.000	0.00		0.000		NO			2.02	
231	3rd Function Hexa-PCBs				0.9505	5.000	0.00		0.000		NO	0.0000		6.36	0.7307
232	4th Function Hexa-PCBs				1.0316	5.000	0.00		0.000		NO			7.42	
233	Total Hepta-PCBs				1.3551	5.000	0.00		0.000		NO	0.8535		10.3	0.8535
234	4th Function Octa-PCBs				1.0008	5.000	0.00		0.000		NO			2.95	

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1										



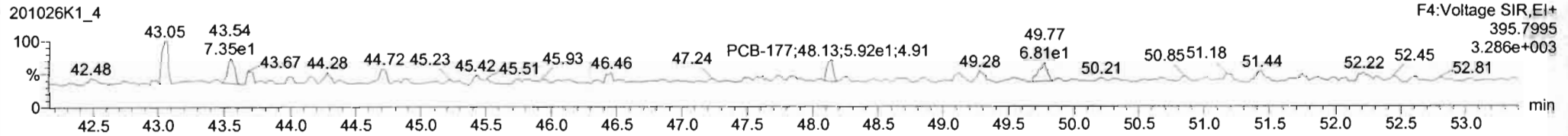
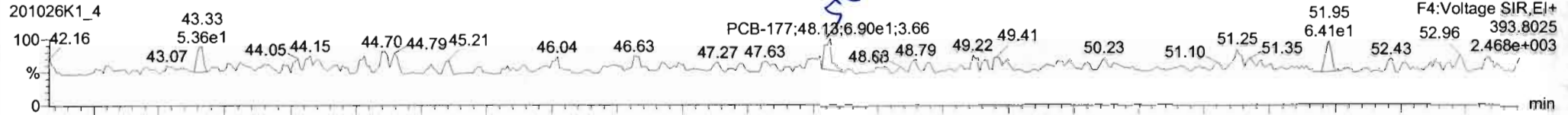
Dataset: Untitled

Last Altered: Monday, October 26, 2020 14:15:04 Pacific Daylight Time

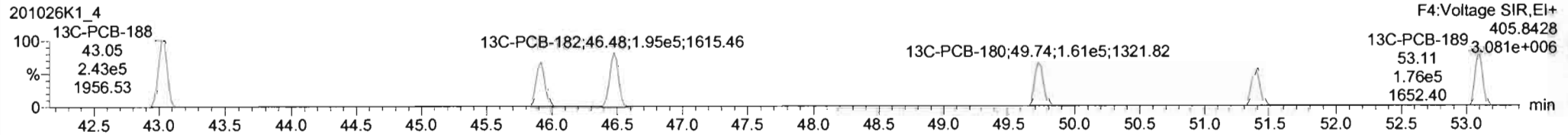
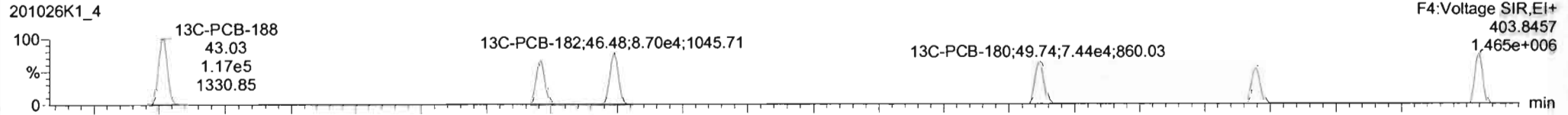
Printed: Monday, October 26, 2020 14:15:20 Pacific Daylight Time

Name: 201026K1\_4, Date: 26-Oct-2020, Time: 12:33:13, ID: B0J0186-BLK1 Method Blank 5, Description: Method Blank

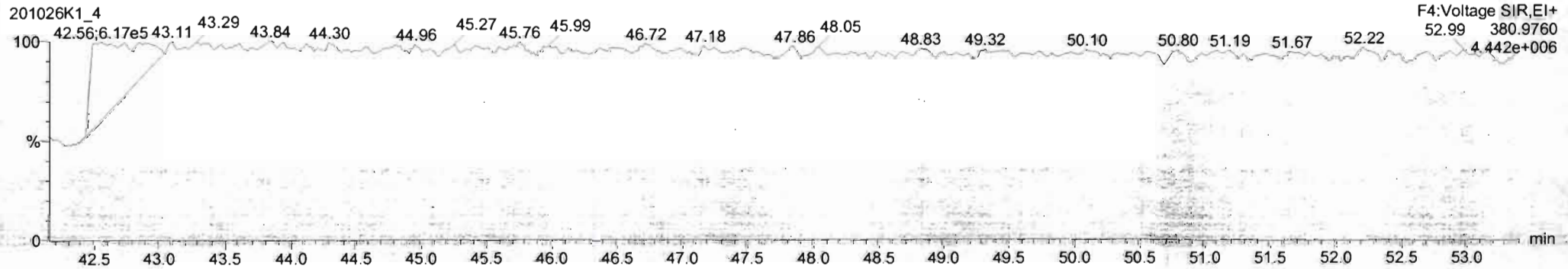
**PCB-188**



**13C-PCB-188**

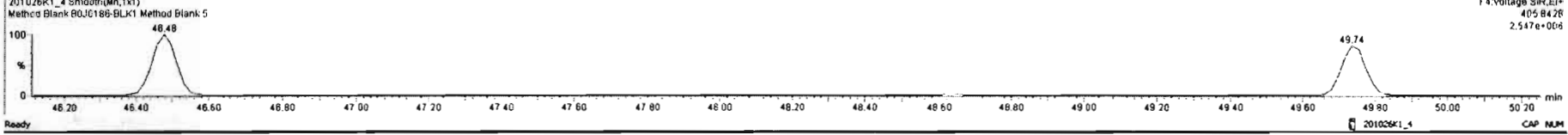
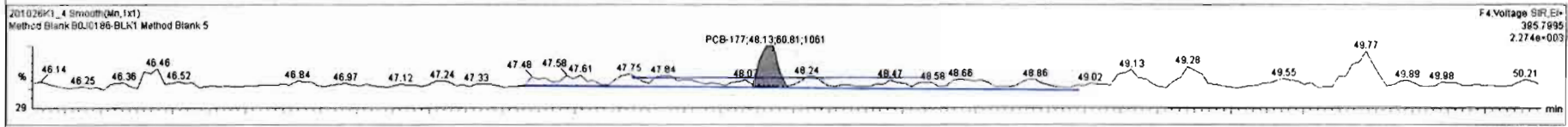
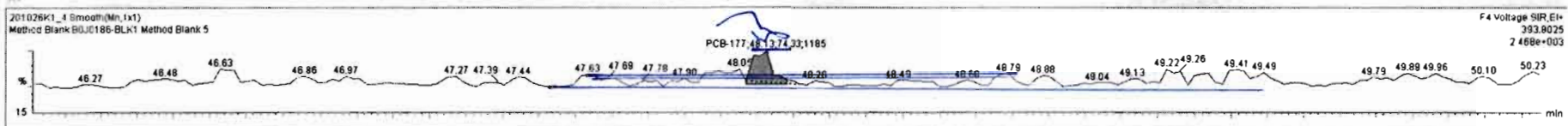


**PFK4c**



#	Name	Resp	RA	n/y	RRF	w/Vol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
226	2nd Function Tri-PCBs				1.0907	5.000	0.00		0.000		NO			4.87	
227	3rd Function Tri-PCBs				0.9828	5.000	0.00		0.000		NO			8.29	
228	Total Tetra-PCBs				1.0778	5.000	0.00		0.000		NO			14.9	
229	3rd Function Penta-PCBs				1.3157	5.000	0.00		0.000		NO			15.2	
230	4th Function Penta-PCBs				1.0735	5.000	0.00		0.000		NO			2.02	
231	3rd Function Hexa-PCBs				0.9505	5.000	0.00		0.000		NO	0.0000		6.36	0.7307
232	4th Function Hexa-PCBs				1.0316	5.000	0.00		0.000		NO			7.42	
233	Total Hepta-PCBs				1.3551	5.000	0.00		0.000		NO	0.0000		10.3	0.8293
234	4th Function Octa-PCBs				1.0008	5.000	0.00		0.000		NO			2.95	

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	143 PCB-177	48.14	48.13	7.433e1	6.061e1	1.050	1.22	YES	0.82930	0.00000



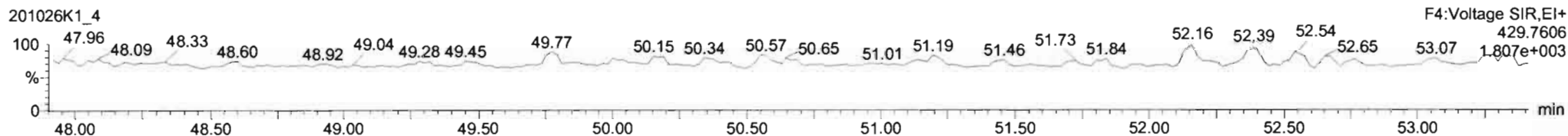
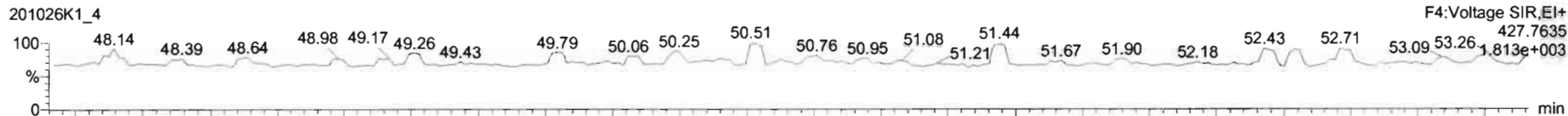
Dataset: Untitled

Last Altered: Monday, October 26, 2020 14:15:04 Pacific Daylight Time

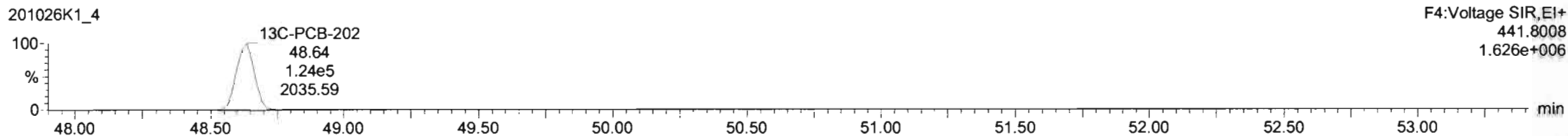
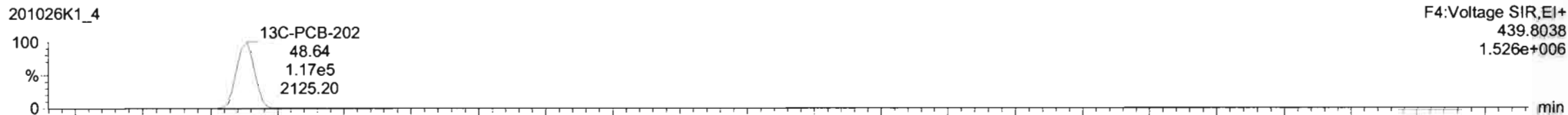
Printed: Monday, October 26, 2020 14:15:20 Pacific Daylight Time

Name: 201026K1\_4, Date: 26-Oct-2020, Time: 12:33:13, ID: B0J0186-BLK1 Method Blank 5, Description: Method Blank

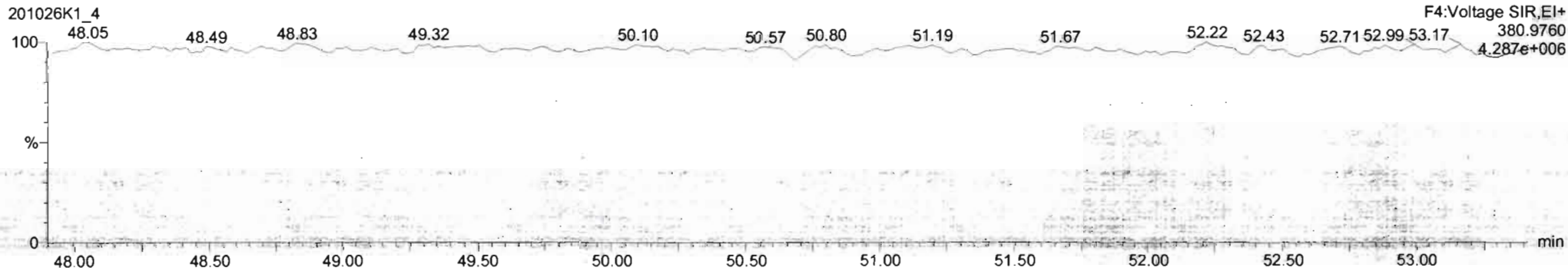
**PCB-202**



**13C-PCB-202**



**PFK4d**



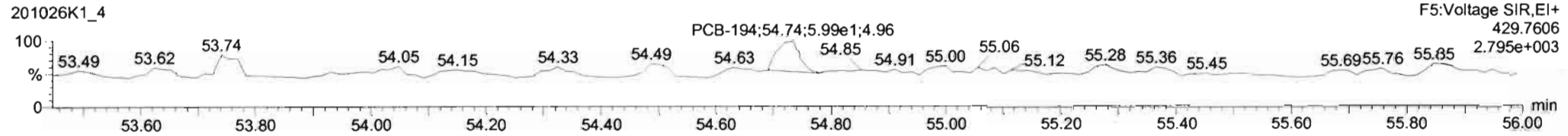
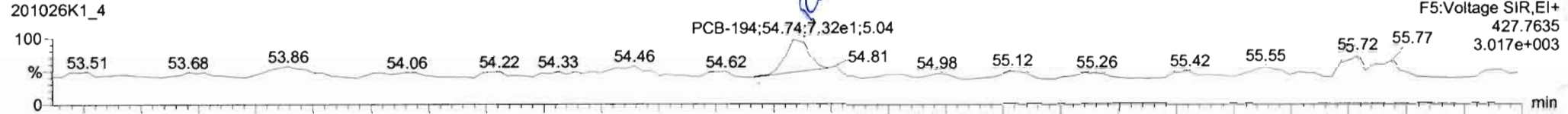
Dataset: Untitled

Last Altered: Monday, October 26, 2020 14:15:04 Pacific Daylight Time

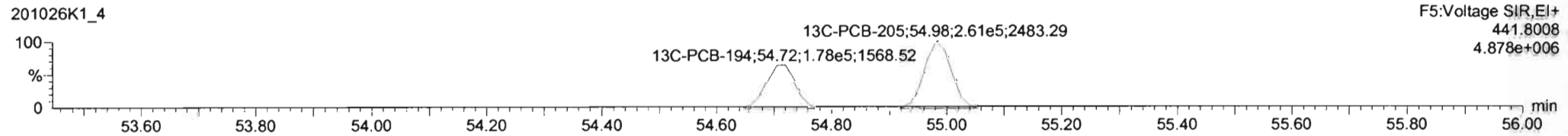
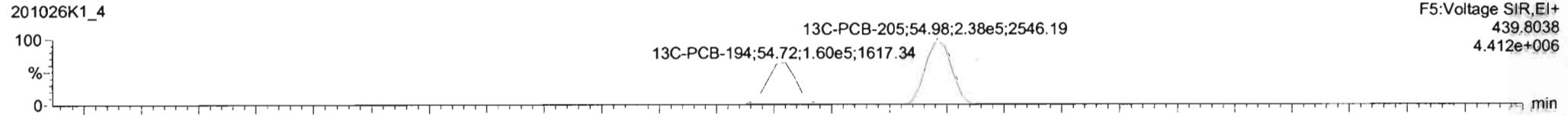
Printed: Monday, October 26, 2020 14:15:20 Pacific Daylight Time

Name: 201026K1\_4, Date: 26-Oct-2020, Time: 12:33:13, ID: B0J0186-BLK1 Method Blank 5, Description: Method Blank

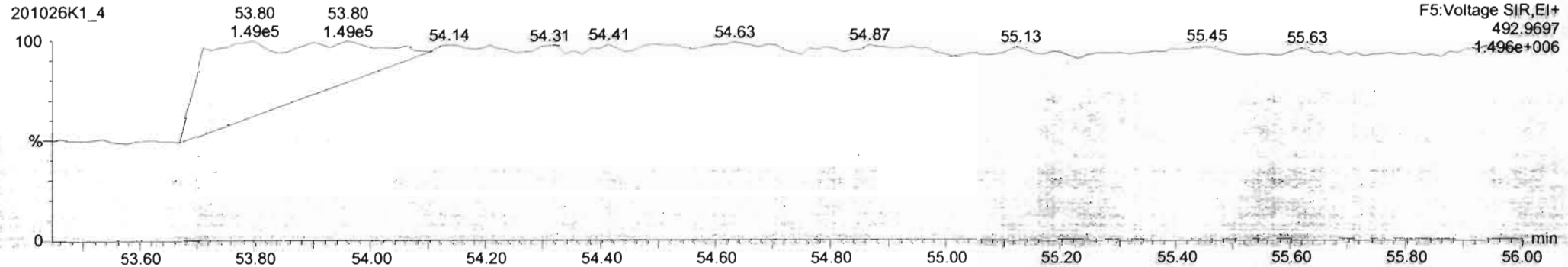
**PCB-195**



**13C-PCB-194**



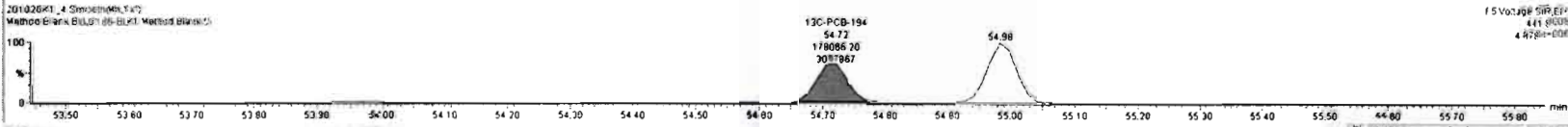
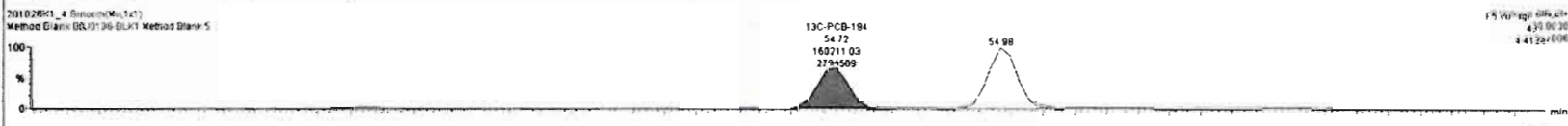
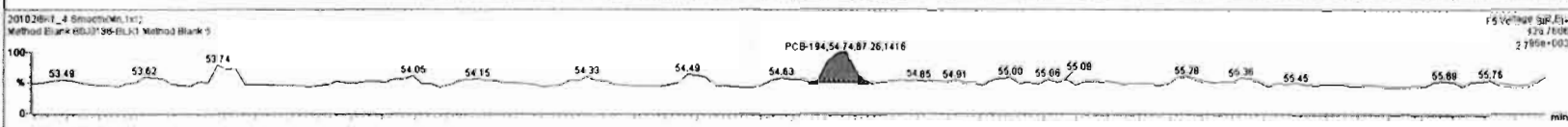
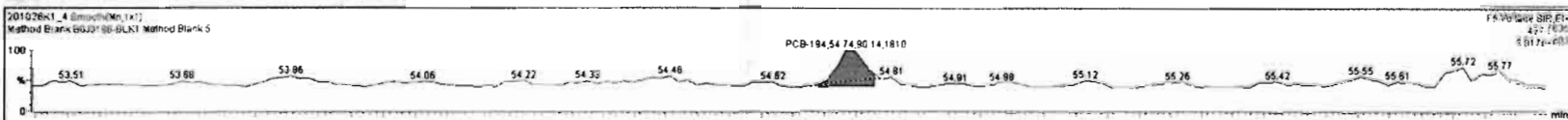
**PFK5a**





#	Name	Resp	RA	n/y	RRF	wt/val	Prod RT	RT	Prod R	RRT	RRT Tol	Conc	%Rec	CL	EMPC
235	5th Function Octa-PCBs				1.1499	5.000	0.00		0.000		NO	0.0000		1.05	0.6735
236	Total Nona-PCBs				0.9523	5.000	0.00		0.000		NO			1.11	
237	Deca-Cl				0.8964	5.000	0.00		0.000		NO			0.608	
238	Total PCBs														
239	Total Mono-biotopes														
240	Total Di-biotopes														
241	2nd Function Tri-biotopes														
242	3rd Function Tri-biotopes														
243	Tetra-biotopes				0.9676	5.000	0.00		1.000		NO	1.5680		30.91	0.0000

#	Name	Prod RT	RT	wt Resp	m2 Resp	1* Ratio (Prod)	RA	n/y	EMPC	Conc
1	163 PCB-194	54.74	54.74	9.014e1	6.726e1	0.890	1.34	YES	0.67348	0.00000



Dataset: Untitled

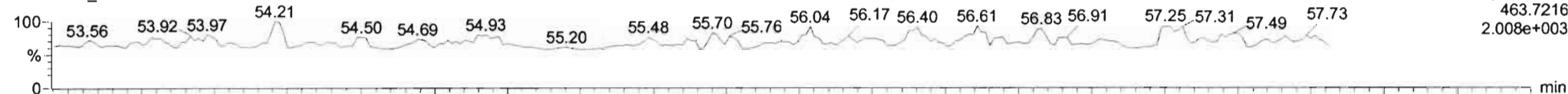
Last Altered: Monday, October 26, 2020 14:15:04 Pacific Daylight Time

Printed: Monday, October 26, 2020 14:15:20 Pacific Daylight Time

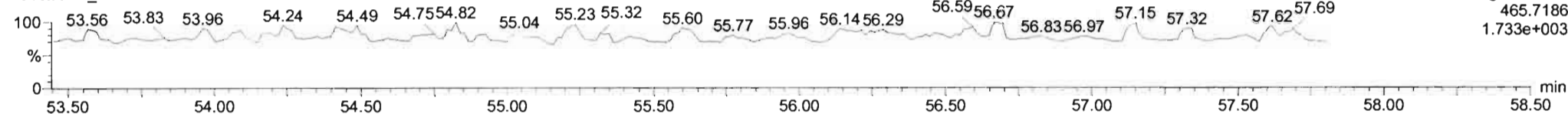
Name: 201026K1\_4, Date: 26-Oct-2020, Time: 12:33:13, ID: B0J0186-BLK1 Method Blank 5, Description: Method Blank

**PCB-208**

201026K1\_4

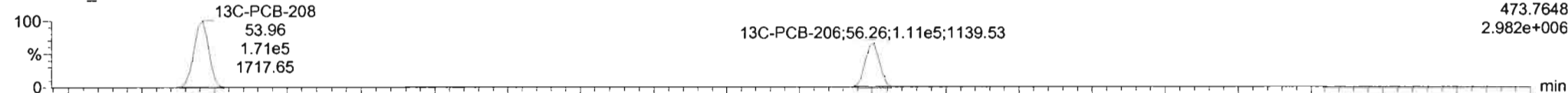


201026K1\_4

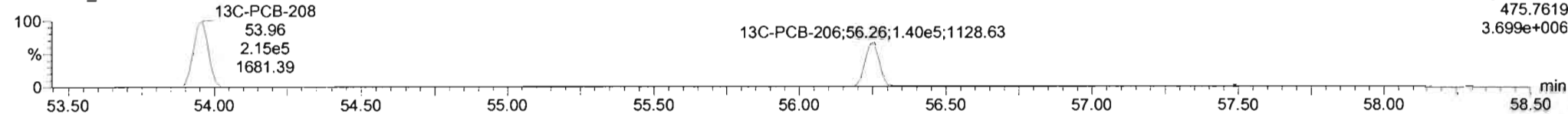


**13C-PCB-208**

201026K1\_4

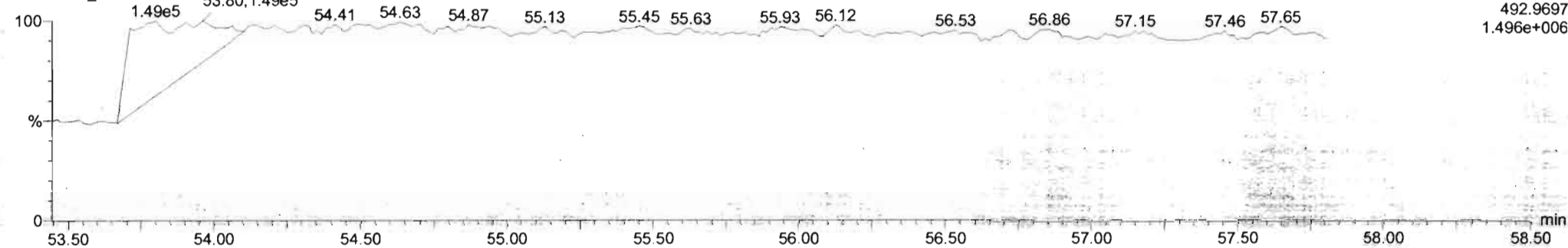


201026K1\_4



**PFK5**

201026K1\_4



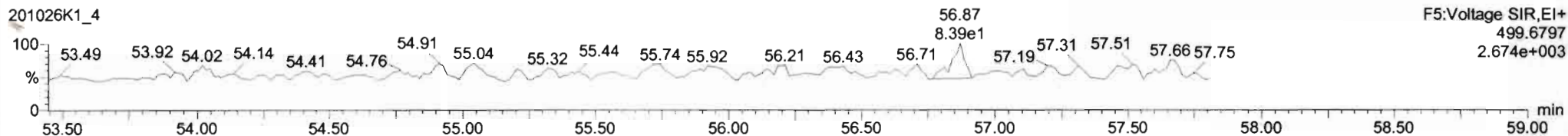
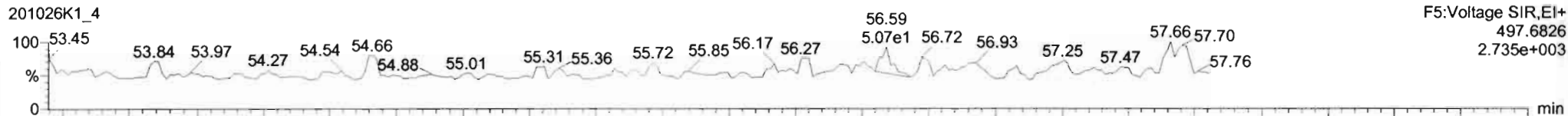
Dataset: Untitled

Last Altered: Monday, October 26, 2020 14:15:04 Pacific Daylight Time

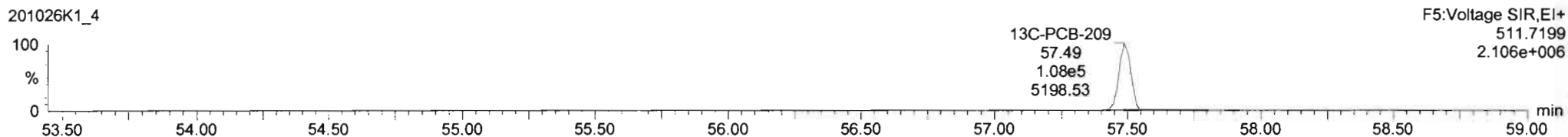
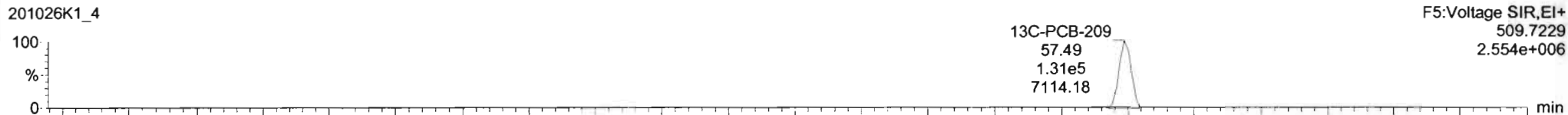
Printed: Monday, October 26, 2020 14:15:20 Pacific Daylight Time

Name: 201026K1\_4, Date: 26-Oct-2020, Time: 12:33:13, ID: B0J0186-BLK1 Method Blank 5, Description: Method Blank

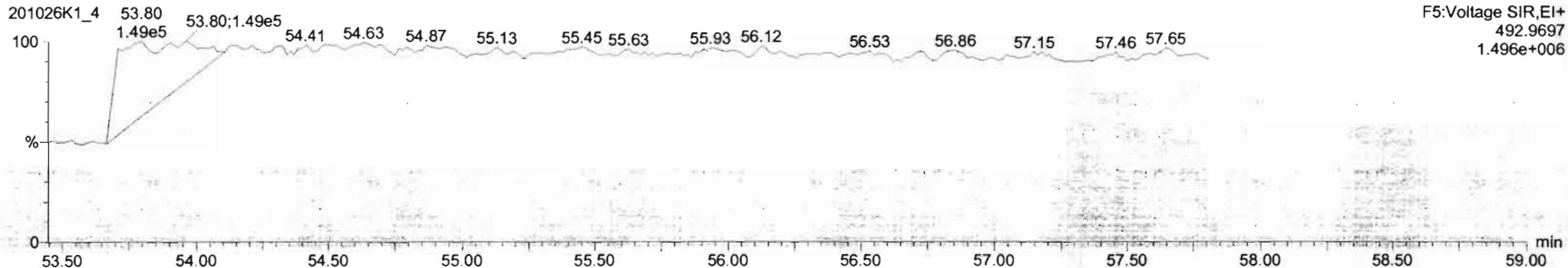
**PCB-209**



**13C-PCB-209**



**PFK5b**



Dataset: U:\VG11.PRO\Results\201026K1\201026K1-2.qld

Last Altered: Monday, October 26, 2020 14:23:12 Pacific Daylight Time  
Printed: Monday, October 26, 2020 14:23:29 Pacific Daylight Time

*Hc 10-26-2020*

*C7 11/03/2020*

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_10-24-20.mdb 24 Oct 2020 13:45:57  
Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-6-1-20.cdb 02 Jun 2020 10:21:16

Name: 201026K1\_2, Date: 26-Oct-2020, Time: 10:33:32, ID: B0J0186-BS1 OPR 5, Description: OPR

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1	4.47e5	3.20	NO	1.17	5.000	15.58	15.58	1.001	1.001	NO	1158		0.596	1158
2	2 PCB-2	4.80e5	3.24	NO	1.18	5.000	18.00	17.98	0.988	0.988	NO	1169		0.574	1169
3	3 PCB-3	4.64e5	3.22	NO	1.15	5.000	18.22	18.22	1.001	1.001	NO	1164		0.591	1164
4	4 PCB-4/10	8.89e5	1.55	NO	1.25	5.000	19.65	19.64	1.004	1.004	NO	2485		3.43	2485
5	5 PCB-7/9	1.12e6	1.58	NO	0.960	5.000	21.45	21.44	1.003	1.002	NO	2461		2.75	2461
6	6 PCB-6	5.98e5	1.61	NO	1.02	5.000	22.10	22.09	1.033	1.033	NO	1236		2.58	1236
7	7 PCB-5/8	1.18e6	1.59	NO	0.992	5.000	22.51	22.51	1.052	1.052	NO	2508		2.66	2508
8	8 PCB-14	5.99e5	1.58	NO	1.02	5.000	23.64	23.64	0.951	0.951	NO	1214		2.58	1214
9	9 PCB-11	6.54e5	1.60	NO	1.13	5.000	24.87	24.87	1.001	1.001	NO	1196		2.33	1196
10	10 PCB-12/13	1.23e6	1.57	NO	1.03	5.000	25.30	25.24	1.018	1.016	NO	2465		2.55	2465
11	11 PCB-15	6.22e5	1.59	NO	1.03	5.000	25.59	25.59	1.030	1.030	NO	1239		2.53	1239
12	12 PCB-19	2.55e5	1.04	NO	1.11	5.000	23.83	23.82	1.001	1.001	NO	1088		1.43	1088
13	13 PCB-30	4.23e5	1.04	NO	1.79	5.000	24.73	24.73	1.039	1.039	NO	1116		0.880	1116
14	14 PCB-18	2.86e5	1.04	NO	0.818	5.000	25.51	25.51	0.952	0.952	NO	1104		1.27	1104
15	15 PCB-17	2.73e5	1.04	NO	0.758	5.000	25.69	25.68	0.959	0.958	NO	1134		1.37	1134
16	16 PCB-24/27	7.59e5	1.04	NO	1.08	5.000	26.29	26.27	0.981	0.980	NO	2212		0.960	2212
17	17 PCB-16/32	6.56e5	1.05	NO	0.925	5.000	26.82	26.82	1.001	1.001	NO	2236		1.12	2236
18	18 PCB-34	5.62e5	1.05	NO	0.945	5.000	27.62	27.62	0.959	0.959	NO	1211		1.71	1211
19	19 PCB-23	5.34e5	1.05	NO	0.883	5.000	27.71	27.71	0.962	0.962	NO	1232		1.83	1232
20	20 PCB-29	5.40e5	1.04	NO	0.893	5.000	27.97	27.98	0.971	0.971	NO	1233		1.81	1233
21	21 PCB-26	5.71e5	1.05	NO	0.944	5.000	28.20	28.20	0.979	0.979	NO	1233		1.71	1233
22	22 PCB-25	5.64e5	1.04	NO	0.950	5.000	28.35	28.37	0.984	0.984	NO	1208		1.70	1208
23	23 PCB-31	6.37e5	1.03	NO	1.04	5.000	28.73	28.72	0.997	0.997	NO	1252		1.56	1252
24	24 PCB-28	6.26e5	1.05	NO	1.03	5.000	28.83	28.83	1.001	1.001	NO	1245		1.58	1245
25	25 PCB-20/21/33	1.72e6	1.06	NO	0.941	5.000	29.47	29.46	1.023	1.023	NO	3732		1.72	3732
26	26 PCB-22	5.94e5	1.04	NO	0.973	5.000	29.91	29.93	1.038	1.039	NO	1244		1.66	1244
27	27 PCB-36	6.18e5	1.04	NO	1.08	5.000	30.56	30.56	0.931	0.931	NO	1226		1.65	1226
28	28 PCB-39	5.72e5	1.03	NO	0.988	5.000	31.06	31.05	0.947	0.946	NO	1234		1.79	1234
29	29 PCB-38	6.07e5	1.04	NO	1.05	5.000	31.85	31.85	0.970	0.971	NO	1230		1.69	1230
30	30 PCB-35	6.03e5	1.06	NO	1.04	5.000	32.39	32.39	0.987	0.987	NO	1233		1.70	1233
31	31 PCB-37	6.05e5	1.04	NO	1.01	5.000	32.83	32.83	1.001	1.001	NO	1279		1.76	1279
32	32 PCB-54	3.63e5	0.78	NO	1.08	5.000	27.66	27.68	1.001	1.001	NO	1159		2.05	1159

Dataset: U:\VG11.PRO\Results\201026K1\201026K1-2.qld

Last Altered: Monday, October 26, 2020 14:23:12 Pacific Daylight Time

Printed: Monday, October 26, 2020 14:23:29 Pacific Daylight Time

Name: 201026K1\_2, Date: 26-Oct-2020, Time: 10:33:32, ID: B0J0186-BS1 OPR 5, Description: OPR

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
33	33 PCB-50	3.02e5	0.77	NO	0.880	5.000	28.87	28.89	1.044	1.045	NO	1185		2.51	1185
34	34 PCB-53	2.82e5	0.78	NO	0.997	5.000	29.55	29.54	0.944	0.944	NO	1163		2.58	1163
35	35 PCB-51	2.96e5	0.78	NO	1.07	5.000	29.90	29.89	0.955	0.955	NO	1140		2.41	1140
36	36 PCB-45	2.42e5	0.76	NO	0.858	5.000	30.35	30.34	0.969	0.969	NO	1155		2.99	1155
37	37 PCB-46	2.29e5	0.77	NO	0.831	5.000	30.85	30.84	0.985	0.985	NO	1132		3.09	1132
38	38 PCB-52/69	6.51e5	0.78	NO	1.17	5.000	31.34	31.34	1.001	1.001	NO	2292		2.20	2292
39	39 PCB-73	4.22e5	0.78	NO	1.44	5.000	31.46	31.45	1.005	1.005	NO	1201		1.78	1201
40	40 PCB-43/49	5.76e5	0.77	NO	1.02	5.000	31.63	31.62	1.010	1.010	NO	2327		2.53	2327
41	41 PCB-47	2.66e5	0.78	NO	0.922	5.000	31.85	31.85	1.001	1.001	NO	1097		2.60	1097
42	42 PCB-48/75	7.06e5	0.78	NO	1.12	5.000	31.96	31.96	1.004	1.004	NO	2392		2.14	2392
43	43 PCB-65	3.85e5	0.76	NO	1.28	5.000	32.24	32.24	1.013	1.013	NO	1142		1.87	1142
44	44 PCB-62	3.32e5	0.78	NO	1.13	5.000	32.33	32.35	1.016	1.016	NO	1119		2.12	1119
45	45 PCB-44	2.50e5	0.76	NO	0.824	5.000	32.66	32.66	1.026	1.026	NO	1153		2.91	1153
46	46 PCB-42/59	6.39e5	0.77	NO	1.05	5.000	32.89	32.89	1.033	1.033	NO	2311		2.28	2311
47	47 PCB-41/64/71/72	1.45e6	0.78	NO	1.19	5.000	33.50	33.50	1.053	1.053	NO	4643		2.02	4643
48	48 PCB-68	3.90e5	0.76	NO	1.28	5.000	33.76	33.78	1.061	1.061	NO	1158		1.87	1158
49	49 PCB-40	1.91e5	0.79	NO	0.602	5.000	33.98	33.99	1.067	1.068	NO	1205		3.98	1205
50	50 PCB-57	4.12e5	0.77	NO	1.16	5.000	34.37	34.36	0.969	0.969	NO	1146		1.75	1146
51	51 PCB-67	4.10e5	0.77	NO	1.08	5.000	34.68	34.67	0.978	0.978	NO	1225		1.88	1225
52	52 PCB-58	4.05e5	0.78	NO	1.20	5.000	34.80	34.80	0.982	0.982	NO	1089		1.69	1089
53	53 PCB-63	3.82e5	0.77	NO	1.07	5.000	34.96	34.95	0.986	0.986	NO	1154		1.90	1154
54	54 PCB-74	4.14e5	0.77	NO	1.19	5.000	35.26	35.25	0.994	0.994	NO	1131		1.72	1131
55	55 PCB-61/70	7.66e5	0.77	NO	1.05	5.000	35.47	35.40	1.000	0.998	NO	2352		1.93	2352
56	56 PCB-76/66	8.20e5	0.77	NO	1.16	5.000	35.67	35.64	1.006	1.005	NO	2278		1.75	2278
57	57 PCB-80	4.27e5	0.78	NO	1.19	5.000	35.91	35.92	1.001	1.001	NO	1125		1.75	1125
58	58 PCB-55	4.31e5	0.78	NO	1.17	5.000	36.24	36.24	1.010	1.010	NO	1152		1.78	1152
59	59 PCB-56/60	7.48e5	0.79	NO	1.02	5.000	36.73	36.74	1.024	1.024	NO	2297		2.04	2297
60	60 PCB-79	4.24e5	0.77	NO	1.14	5.000	37.86	37.86	1.055	1.055	NO	1163		1.82	1163
61	61 PCB-78	4.11e5	0.79	NO	1.14	5.000	38.56	38.56	0.987	0.987	NO	1162		1.94	1162
62	62 PCB-81	3.58e5	0.78	NO	1.05	5.000	39.10	39.12	1.000	1.001	NO	1100		2.11	1100
63	63 PCB-77	3.81e5	0.77	NO	1.14	5.000	39.72	39.74	1.000	1.001	NO	1108		1.94	1108
64	64 PCB-104	2.36e5	1.60	NO	1.12	5.000	32.52	32.52	1.001	1.001	NO	1122		1.06	1122
65	65 PCB-96	2.41e5	1.56	NO	1.15	5.000	33.82	33.82	1.041	1.041	NO	1115		1.03	1115
66	66 PCB-103	1.92e5	1.58	NO	0.936	5.000	34.38	34.38	1.058	1.058	NO	1094		1.27	1094
67	67 PCB-100	2.01e5	1.63	NO	0.954	5.000	34.75	34.75	1.069	1.069	NO	1125		1.25	1125
68	68 PCB-94	1.55e5	1.63	NO	0.949	5.000	35.23	35.23	0.985	0.985	NO	1103		1.63	1103

Dataset: U:\VG11.PRO\Results\201026K1\201026K1-2.qld

Last Altered: Monday, October 26, 2020 14:23:12 Pacific Daylight Time  
Printed: Monday, October 26, 2020 14:23:29 Pacific Daylight Time

Name: 201026K1\_2, Date: 26-Oct-2020, Time: 10:33:32, ID: B0J0186-BS1 OPR 5, Description: OPR

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
69	69 PCB-95/98/102	5.98e5	1.61	NO	1.20	5.000	35.70	35.72	0.999	0.999	NO	3357		1.28	3357
70	70 PCB-93	1.55e5	1.66	NO	0.935	5.000	35.85	35.85	1.003	1.003	NO	1119		1.65	1119
71	71 PCB-88/91	3.50e5	1.61	NO	1.06	5.000	36.18	36.18	1.012	1.012	NO	2220		1.45	2220
72	72 PCB-121	2.79e5	1.61	NO	1.71	5.000	36.29	36.29	1.015	1.015	NO	1102		0.904	1102
73	73 PCB-84/92	3.41e5	1.61	NO	1.02	5.000	37.13	37.13	0.990	0.990	NO	2243		1.47	2243
74	74 PCB-89	1.85e5	1.58	NO	1.11	5.000	37.32	37.32	0.995	0.995	NO	1123		1.35	1123
75	75 PCB-90/101	3.70e5	1.64	NO	1.12	5.000	37.51	37.52	1.000	1.000	NO	2208		1.33	2208
76	76 PCB-113	2.52e5	1.54	NO	1.51	5.000	37.77	37.76	1.007	1.007	NO	1117		0.989	1117
77	77 PCB-99	2.22e5	1.66	NO	1.32	5.000	37.86	37.88	1.010	1.010	NO	1127		1.13	1127
78	78 PCB-119	2.61e5	1.61	NO	1.81	5.000	38.34	38.34	0.987	0.987	NO	1066		0.917	1066
79	79 PCB-108/112	4.36e5	1.61	NO	1.44	5.000	38.50	38.51	0.991	0.991	NO	2225		1.15	2225
80	80 PCB-83	2.71e5	1.62	NO	1.83	5.000	38.67	38.68	0.996	0.996	NO	1090		0.904	1090
81	81 PCB-97	1.89e5	1.60	NO	1.28	5.000	38.86	38.88	1.000	1.001	NO	1085		1.29	1085
82	82 PCB-86	1.73e5	1.61	NO	1.12	5.000	39.03	39.03	1.005	1.005	NO	1142		1.48	1142
83	83 PCB-87/117/125	6.90e5	1.62	NO	1.56	5.000	39.15	39.16	1.008	1.008	NO	3263		1.06	3263
84	84 PCB-111/115	5.44e5	1.61	NO	1.91	5.000	39.31	39.33	1.012	1.012	NO	2100		0.867	2100
85	85 PCB-85/116	4.20e5	1.60	NO	1.41	5.000	39.44	39.44	1.015	1.015	NO	2193		1.17	2193
86	86 PCB-120	2.83e5	1.60	NO	2.01	5.000	39.70	39.70	1.022	1.022	NO	1040		0.826	1040
87	87 PCB-110	2.57e5	1.62	NO	1.74	5.000	39.85	39.85	1.026	1.026	NO	1089		0.950	1089
88	88 PCB-82	1.55e5	1.60	NO	0.781	5.000	40.48	40.48	0.975	0.975	NO	1111		1.60	1111
89	89 PCB-124	2.67e5	1.58	NO	1.40	5.000	41.19	41.21	0.993	0.993	NO	1072		0.894	1072
90	90 PCB-107/109	5.33e5	1.59	NO	1.34	5.000	41.33	41.35	0.996	0.996	NO	2232		0.931	2232
91	91 PCB-123	2.37e5	1.59	NO	1.20	5.000	41.52	41.52	1.000	1.000	NO	1112		1.04	1112
92	92 PCB-106/118	5.09e5	1.58	NO	1.22	5.000	41.73	41.73	1.001	1.001	NO	2265		0.991	2265
93	93 PCB-114	4.33e5	1.56	NO	1.14	5.000	42.39	42.39	1.000	1.000	NO	1194		0.927	1194
94	94 PCB-122	3.81e5	1.54	NO	0.944	5.000	42.54	42.52	1.004	1.004	NO	1270		1.12	1270
95	95 PCB-105	4.03e5	1.61	NO	1.05	5.000	43.27	43.28	1.000	1.000	NO	1176		1.01	1176
96	96 PCB-127	4.40e5	1.58	NO	1.06	5.000	43.62	43.64	1.000	1.001	NO	1199		0.955	1199
97	97 PCB-126	4.22e5	1.59	NO	1.17	5.000	45.59	45.59	1.000	1.000	NO	1207		1.00	1207
98	98 PCB-155	1.16e5	1.34	NO	1.04	5.000	37.06	37.06	1.000	1.001	NO	1116		0.870	1116
99	99 PCB-150	1.25e5	1.31	NO	1.08	5.000	38.36	38.36	1.036	1.036	NO	1164		0.838	1164
100	1... PCB-152	1.42e5	1.33	NO	1.19	5.000	38.84	38.84	1.049	1.049	NO	1208		0.766	1208
101	1... PCB-145	1.36e5	1.31	NO	1.19	5.000	39.31	39.31	1.061	1.061	NO	1154		0.764	1154
102	1... PCB-136	1.18e5	1.31	NO	1.02	5.000	39.64	39.64	1.070	1.070	NO	1163		0.890	1163
103	1... PCB-148	9.52e4	1.30	NO	0.842	5.000	39.75	39.75	1.073	1.073	NO	1139		1.08	1139
104	1... PCB-154	1.06e5	1.34	NO	0.919	5.000	40.26	40.28	1.087	1.087	NO	1164		0.988	1164

Dataset: U:\VG11.PRO\Results\201026K1\201026K1-2.qld

Last Altered: Monday, October 26, 2020 14:23:12 Pacific Daylight Time

Printed: Monday, October 26, 2020 14:23:29 Pacific Daylight Time

Name: 201026K1\_2, Date: 26-Oct-2020, Time: 10:33:32, ID: B0J0186-BS1 OPR 5, Description: OPR

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
105	1... PCB-151	9.31e4	1.30	NO	0.787	5.000	40.93	40.93	1.105	1.105	NO	1192		1.15	1192
106	1... PCB-135	1.02e5	1.30	NO	0.922	5.000	41.15	41.15	1.111	1.111	NO	1119		0.985	1119
107	1... PCB-144	9.43e4	1.33	NO	0.789	5.000	41.26	41.26	1.114	1.114	NO	1203		1.15	1203
108	1... PCB-147	9.61e4	1.17	NO	0.834	5.000	41.39	41.39	1.117	1.118	NO	1159		1.09	1159
109	1... PCB-139/149	2.17e5	1.30	NO	0.948	5.000	41.68	41.67	1.125	1.125	NO	2299		0.958	2299
110	1... PCB-140	9.69e4	1.29	NO	0.794	5.000	41.86	41.86	1.130	1.130	NO	1228		1.14	1228
111	1... PCB-134/143	4.26e5	1.24	NO	0.759	5.000	42.31	42.31	0.974	0.974	NO	2332		2.24	2332
112	1... PCB-131/133	4.59e5	1.26	NO	0.821	5.000	42.63	42.61	0.982	0.981	NO	2325		2.07	2325
113	1... PCB-142	2.08e5	1.27	NO	0.754	5.000	42.79	42.78	0.985	0.985	NO	1144		2.26	1144
114	1... PCB-146/165	5.69e5	1.26	NO	1.02	5.000	43.03	43.01	0.991	0.990	NO	2324		1.67	2324
115	1... PCB-132/161	5.61e5	1.27	NO	1.02	5.000	43.28	43.26	0.997	0.996	NO	2274		1.66	2274
116	1... PCB-153	2.92e5	1.25	NO	1.07	5.000	43.44	43.45	1.000	1.000	NO	1134		1.59	1134
117	1... PCB-168	2.96e5	1.23	NO	1.08	5.000	43.67	43.67	1.006	1.006	NO	1143		1.58	1143
118	1... PCB-141	2.35e5	1.24	NO	1.03	5.000	44.20	44.20	1.000	1.000	NO	1184		2.06	1184
119	1... PCB-137	2.45e5	1.26	NO	1.11	5.000	44.60	44.60	1.009	1.009	NO	1141		1.90	1141
120	1... PCB-130	1.97e5	1.28	NO	0.885	5.000	44.69	44.70	1.012	1.012	NO	1152		2.39	1152
121	1... PCB-138/163/164	8.86e5	1.27	NO	1.28	5.000	45.09	45.09	1.001	1.001	NO	3344		1.59	3344
122	1... PCB-158/160	5.72e5	1.28	NO	1.24	5.000	45.36	45.34	1.007	1.006	NO	2236		1.65	2236
123	1... PCB-129	1.96e5	1.25	NO	0.867	5.000	45.59	45.59	1.012	1.012	NO	1093		2.36	1093
124	1... PCB-166	3.07e5	1.27	NO	1.14	5.000	46.06	46.06	0.993	0.993	NO	1093		1.51	1093
125	1... PCB-159	3.33e5	1.31	NO	1.22	5.000	46.41	46.40	1.001	1.000	NO	1115		1.41	1115
126	1... PCB-128/162	5.15e5	1.25	NO	0.907	5.000	46.69	46.70	1.007	1.007	NO	2312		1.90	2312
127	1... PCB-167	3.07e5	1.27	NO	1.11	5.000	47.10	47.10	1.000	1.000	NO	1151		1.55	1151
128	1... PCB-156	2.99e5	1.26	NO	1.13	5.000	48.43	48.43	1.000	1.000	NO	1118		1.56	1118
129	1... PCB-157	2.71e5	1.28	NO	1.04	5.000	48.71	48.71	1.000	1.000	NO	1123		1.75	1123
130	1... PCB-169	2.81e5	1.28	NO	1.16	5.000	50.99	50.99	1.000	1.000	NO	1132		1.75	1132
131	1... PCB-188	2.60e5	1.07	NO	1.29	5.000	43.07	43.07	1.001	1.001	NO	1091		1.26	1091
132	1... PCB-184	2.55e5	1.05	NO	1.23	5.000	43.52	43.52	1.011	1.011	NO	1120		1.32	1120
133	1... PCB-179	2.52e5	1.05	NO	1.30	5.000	44.32	44.32	1.030	1.030	NO	1050		1.25	1050
134	1... PCB-176	2.61e5	1.06	NO	1.31	5.000	44.81	44.81	1.041	1.041	NO	1076		1.24	1076
135	1... PCB-186	2.70e5	1.05	NO	1.33	5.000	45.43	45.44	1.056	1.056	NO	1098		1.22	1098
136	1... PCB-178	1.78e5	1.05	NO	0.943	5.000	45.95	45.95	1.068	1.068	NO	1022		1.72	1022
137	1... PCB-175	1.88e5	1.02	NO	0.956	5.000	46.31	46.31	1.076	1.076	NO	1062		1.70	1062
138	1... PCB-182/187	4.22e5	1.06	NO	1.07	5.000	46.48	46.48	1.080	1.080	NO	2137		1.52	2137
139	1... PCB-183	2.03e5	1.07	NO	1.02	5.000	46.80	46.82	1.088	1.088	NO	1072		1.59	1072
140	1... PCB-185	1.84e5	1.07	NO	1.41	5.000	47.48	47.48	0.955	0.955	NO	1119		1.71	1119

Dataset: U:\VG11.PRO\Results\201026K1\201026K1-2.qld

Last Altered: Monday, October 26, 2020 14:23:12 Pacific Daylight Time

Printed: Monday, October 26, 2020 14:23:29 Pacific Daylight Time

Name: 201026K1\_2, Date: 26-Oct-2020, Time: 10:33:32, ID: B0J0186-BS1 OPR 5, Description: OPR

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
141	1... PCB-174	1.75e5	1.00	NO	1.35	5.000	47.86	47.86	0.962	0.962	NO	1105		1.78	1105
142	1... PCB-181	1.89e5	1.03	NO	1.47	5.000	47.97	47.97	0.964	0.965	NO	1095		1.63	1095
143	1... PCB-177	1.66e5	1.08	NO	1.28	5.000	48.14	48.14	0.968	0.968	NO	1110		1.88	1110
144	1... PCB-171	1.71e5	1.06	NO	1.32	5.000	48.45	48.45	0.974	0.974	NO	1111		1.83	1111
145	1... PCB-173	1.56e5	1.09	NO	1.19	5.000	48.88	48.88	0.983	0.983	NO	1120		2.02	1120
146	1... PCB-172	1.82e5	1.06	NO	1.38	5.000	49.34	49.36	0.992	0.992	NO	1128		1.75	1128
147	1... PCB-192	2.33e5	1.06	NO	1.83	5.000	49.55	49.55	0.996	0.996	NO	1088		1.32	1088
148	1... PCB-180	1.87e5	1.04	NO	1.41	5.000	49.76	49.77	1.000	1.001	NO	1132		1.70	1132
149	1... PCB-193	2.12e5	1.06	NO	1.68	5.000	49.97	49.98	1.005	1.005	NO	1081		1.44	1081
150	1... PCB-191	2.12e5	1.05	NO	1.71	5.000	50.23	50.23	1.010	1.010	NO	1056		1.41	1056
151	1... PCB-170	1.55e5	1.05	NO	1.40	5.000	51.42	51.42	1.000	1.000	NO	1115		1.99	1115
152	1... PCB-190	2.00e5	1.06	NO	1.85	5.000	51.63	51.63	1.005	1.004	NO	1087		1.50	1087
153	1... PCB-189	1.92e5	1.03	NO	1.45	5.000	53.13	53.13	1.000	1.000	NO	1097		1.38	1097
154	1... PCB-202	1.53e5	0.93	NO	1.17	5.000	48.68	48.66	1.001	1.000	NO	1040		1.04	1040
155	1... PCB-201	1.41e5	0.92	NO	1.05	5.000	49.15	49.15	1.010	1.011	NO	1068		1.15	1068
156	1... PCB-204	1.50e5	0.89	NO	1.14	5.000	49.30	49.32	1.014	1.014	NO	1045		1.07	1045
157	1... PCB-197	1.51e5	0.92	NO	1.13	5.000	49.61	49.62	1.020	1.020	NO	1063		1.07	1063
158	1... PCB-200	1.42e5	0.93	NO	1.07	5.000	50.55	50.55	1.039	1.039	NO	1058		1.14	1058
159	1... PCB-198	1.11e5	0.94	NO	0.794	5.000	52.10	52.10	1.071	1.071	NO	1117		1.53	1117
160	1... PCB-199	1.01e5	0.93	NO	0.809	5.000	52.24	52.24	1.074	1.074	NO	990.1		1.50	990.1
161	1... PCB-196/203	2.07e5	0.94	NO	0.838	5.000	52.53	52.54	1.080	1.080	NO	1963		1.45	1963
162	1... PCB-195	1.92e5	0.89	NO	1.04	5.000	53.83	53.81	0.984	0.983	NO	1123		1.36	1123
163	1... PCB-194	2.12e5	0.90	NO	1.12	5.000	54.74	54.74	1.000	1.000	NO	1159		1.27	1159
164	1... PCB-205	2.43e5	0.89	NO	1.29	5.000	55.01	55.00	1.005	1.005	NO	1149		1.10	1149
165	1... PCB-208	1.91e5	1.37	NO	0.933	5.000	53.98	53.97	1.000	1.000	NO	1134		1.71	1134
166	1... PCB-207	1.88e5	1.37	NO	0.916	5.000	54.30	54.30	1.006	1.006	NO	1133		1.74	1133
167	1... PCB-206	1.34e5	1.37	NO	1.01	5.000	56.27	56.27	1.000	1.000	NO	1119		2.34	1119
168	1... PCB-209	1.18e5	1.20	NO	0.986	5.000	57.49	57.50	1.000	1.000	NO	1078		1.06	1078
169	1... 13C-PCB-1	6.61e5	3.26	NO	0.893	5.000	15.57	15.57	0.609	0.609	NO	1196	59.8	1.54	
170	1... 13C-PCB-3	6.95e5	3.34	NO	0.911	5.000	18.21	18.21	0.712	0.712	NO	1232	61.6	1.51	
171	1... 13C-PCB-4	5.73e5	1.64	NO	0.600	5.000	19.58	19.57	0.766	0.765	NO	1544	77.2	1.37	
172	1... 13C-PCB-9	9.45e5	1.61	NO	0.970	5.000	21.39	21.39	0.837	0.837	NO	1575	78.7	0.850	
173	1... 13C-PCB-11	9.71e5	1.60	NO	0.962	5.000	24.85	24.85	0.972	0.972	NO	1631	81.6	0.857	
174	1... 13C-PCB-19	4.23e5	1.09	NO	0.499	5.000	23.81	23.80	0.931	0.931	NO	1370	68.5	10.9	
175	1... 13C-PCB-32	6.34e5	1.08	NO	0.744	5.000	26.80	26.80	1.048	1.048	NO	1377	68.9	7.28	
176	1... 13C-PCB-28	9.82e5	1.05	NO	1.06	5.000	28.81	28.81	1.004	1.004	NO	1696	84.8	7.54	



Dataset: U:\VG11.PRO\Results\201026K1\201026K1-2.qld

Last Altered: Monday, October 26, 2020 14:23:12 Pacific Daylight Time  
Printed: Monday, October 26, 2020 14:23:29 Pacific Daylight Time

Name: 201026K1\_2, Date: 26-Oct-2020, Time: 10:33:32, ID: B0J0186-BS1 OPR 5, Description: OPR

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
177	1... 13C-PCB-37	9.38e5	1.08	NO	0.989	5.000	32.79	32.81	1.143	1.143	NO	1743	87.1	8.12	
178	1... 13C-PCB-54	5.80e5	0.79	NO	0.999	5.000	27.64	27.64	0.753	0.753	NO	1655	82.8	3.85	
179	1... 13C-PCB-52	4.87e5	0.77	NO	0.804	5.000	31.30	31.31	0.853	0.853	NO	1728	86.4	4.78	
180	1... 13C-PCB-47	5.27e5	0.78	NO	0.857	5.000	31.83	31.83	0.867	0.867	NO	1752	87.6	4.48	
181	1... 13C-PCB-70	6.18e5	0.80	NO	0.996	5.000	35.45	35.46	0.965	0.966	NO	1770	88.5	3.86	
182	1... 13C-PCB-80	6.40e5	0.80	NO	1.03	5.000	35.89	35.88	0.977	0.977	NO	1775	88.8	3.74	
183	1... 13C-PCB-81	6.22e5	0.79	NO	0.988	5.000	39.08	39.08	1.064	1.064	NO	1796	89.8	3.89	
184	1... 13C-PCB-77	6.05e5	0.79	NO	0.969	5.000	39.70	39.70	1.081	1.081	NO	1782	89.1	3.97	
185	1... 13C-PCB-104	3.75e5	1.65	NO	1.02	5.000	32.49	32.50	0.827	0.827	NO	1809	90.4	1.54	
186	1... 13C-PCB-95	2.96e5	1.64	NO	0.805	5.000	35.75	35.75	0.910	0.910	NO	1802	90.1	1.95	
187	1... 13C-PCB-101	2.98e5	1.61	NO	0.793	5.000	37.50	37.50	0.954	0.954	NO	1846	92.3	1.98	
188	1... 13C-PCB-97	2.71e5	1.61	NO	0.696	5.000	38.84	38.84	0.988	0.988	NO	1911	95.5	2.25	
189	1... 13C-PCB-123	3.56e5	1.67	NO	0.933	5.000	41.50	41.50	1.056	1.056	NO	1871	93.6	1.68	
190	1... 13C-PCB-118	3.68e5	1.62	NO	0.986	5.000	41.69	41.69	1.061	1.061	NO	1833	91.7	1.59	
191	1... 13C-PCB-114	6.35e5	1.56	NO	1.55	5.000	42.35	42.37	0.908	0.908	NO	2181	109	3.40	
192	1... 13C-PCB-105	6.52e5	1.58	NO	1.57	5.000	43.26	43.26	0.927	0.927	NO	2203	110	3.35	
193	1... 13C-PCB-127	6.94e5	1.60	NO	1.62	5.000	43.60	43.60	0.935	0.935	NO	2268	113	3.24	
194	1... 13C-PCB-126	5.97e5	1.61	NO	1.57	5.000	45.55	45.57	0.976	0.977	NO	2023	101	3.36	
195	1... 13C-PCB-155	1.99e5	1.36	NO	0.615	5.000	37.04	37.04	0.942	0.942	NO	1586	79.3	1.48	
196	1... 13C-PCB-153	4.82e5	1.29	NO	1.36	5.000	43.41	43.43	0.930	0.931	NO	1875	93.7	2.27	
197	1... 13C-PCB-141	3.87e5	1.32	NO	1.13	5.000	44.19	44.19	0.947	0.947	NO	1822	91.1	2.75	
198	1... 13C-PCB-138	4.13e5	1.29	NO	1.18	5.000	45.04	45.06	0.965	0.966	NO	1851	92.6	2.62	
199	1... 13C-PCB-159	4.91e5	1.29	NO	1.44	5.000	46.38	46.38	0.994	0.994	NO	1811	90.5	2.15	
200	2... 13C-PCB-167	4.82e5	1.28	NO	1.44	5.000	47.08	47.08	1.009	1.009	NO	1776	88.8	2.15	
201	2... 13C-PCB-156	4.74e5	1.28	NO	1.40	5.000	48.41	48.41	1.038	1.038	NO	1803	90.2	2.22	
202	2... 13C-PCB-157	4.65e5	1.27	NO	1.40	5.000	48.70	48.69	1.044	1.044	NO	1769	88.4	2.22	
203	2... 13C-PCB-169	4.28e5	1.29	NO	1.33	5.000	50.97	50.97	1.093	1.093	NO	1710	85.5	2.33	
204	2... 13C-PCB-188	3.70e5	0.46	NO	1.41	5.000	43.03	43.03	0.926	0.926	NO	1943	97.2	1.96	
205	2... 13C-PCB-180	2.34e5	0.46	NO	0.929	5.000	49.74	49.74	1.070	1.070	NO	1866	93.3	2.97	
206	2... 13C-PCB-170	1.98e5	0.45	NO	0.794	5.000	51.40	51.40	1.106	1.106	NO	1848	92.4	3.47	
207	2... 13C-PCB-189	2.40e5	0.44	NO	1.04	5.000	53.11	53.11	1.143	1.143	NO	1703	85.1	2.64	
208	2... 13C-PCB-202	2.51e5	0.95	NO	1.04	5.000	48.64	48.64	1.046	1.046	NO	1794	89.7	1.91	
209	2... 13C-PCB-194	3.28e5	0.91	NO	0.768	5.000	54.70	54.72	0.995	0.995	NO	1906	95.3	3.04	
210	2... 13C-PCB-208	3.62e5	0.79	NO	0.991	5.000	53.94	53.96	0.981	0.981	NO	1628	81.4	1.64	
211	2... 13C-PCB-206	2.38e5	0.80	NO	0.552	5.000	56.24	56.26	1.023	1.023	NO	1927	96.3	2.94	
212	2... 13C-PCB-209	2.23e5	1.25	NO	0.396	5.000	57.49	57.49	1.046	1.046	NO	2506	125	1.50	

Dataset: U:\VG11.PRO\Results\201026K1\201026K1-2.qld

Last Altered: Monday, October 26, 2020 14:23:12 Pacific Daylight Time

Printed: Monday, October 26, 2020 14:23:29 Pacific Daylight Time

Name: 201026K1\_2, Date: 26-Oct-2020, Time: 10:33:32, ID: B0J0186-BS1 OPR 5, Description: OPR

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
213	2... 13C-PCB-15	1.24e6	1.62	NO	1.00	5.000	25.58	25.57	1.000	0.000	NO	2000	100	0.824	
214	2... 13C-PCB-31	1.09e6	1.04	NO	1.00	5.000	28.72	28.70	1.000	0.000	NO	2000	100	8.03	
215	2... 13C-PCB-60	7.01e5	0.81	NO	1.00	5.000	36.74	36.72	1.000	0.000	NO	2000	100	3.84	
216	2... 13C-PCB-111	4.08e5	1.61	NO	1.00	5.000	39.33	39.31	1.000	0.000	NO	2000	100	1.57	
217	2... 13C-PCB-128	3.76e5	1.30	NO	1.00	5.000	46.67	46.65	1.000	0.000	NO	2000	100	3.10	
218	2... 13C-PCB-182	2.70e5	0.46	NO	1.00	5.000	46.50	46.48	0.000	0.000	NO	2000	100	2.76	
219	2... 13C-PCB-205	4.48e5	0.93	NO	1.00	5.000	55.01	54.98	1.000	0.000	NO	2000	100	2.34	
220	2... 13C-PCB-79	7.11e5	0.80	NO	1.07	5.000	37.82	37.84	1.030	1.030	NO	1897	94.9	3.60	
221	2... 13C-PCB-178	2.50e5	0.44	NO	0.766	5.000	45.93	45.93	0.988	0.988	NO	1732	86.6	2.70	
222	2... 13C-PCB-79	7.11e5	0.80	NO	1.08	5.000	37.82	37.84	0.968	0.968	NO	2112	106	4.09	
223	2... 13C-PCB-178	2.50e5	0.44	NO	1.05	5.000	45.93	45.93	0.923	0.923	NO	2032	102	3.05	

Dataset: Untitled

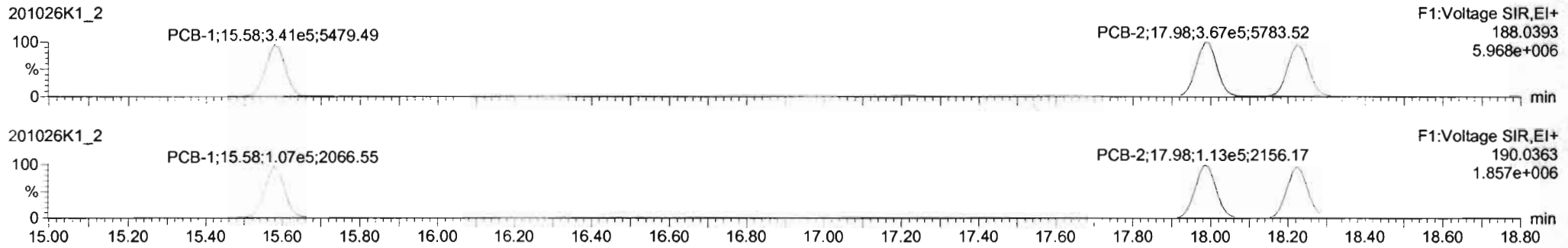
Last Altered: Monday, October 26, 2020 14:15:04 Pacific Daylight Time

Printed: Monday, October 26, 2020 14:15:20 Pacific Daylight Time

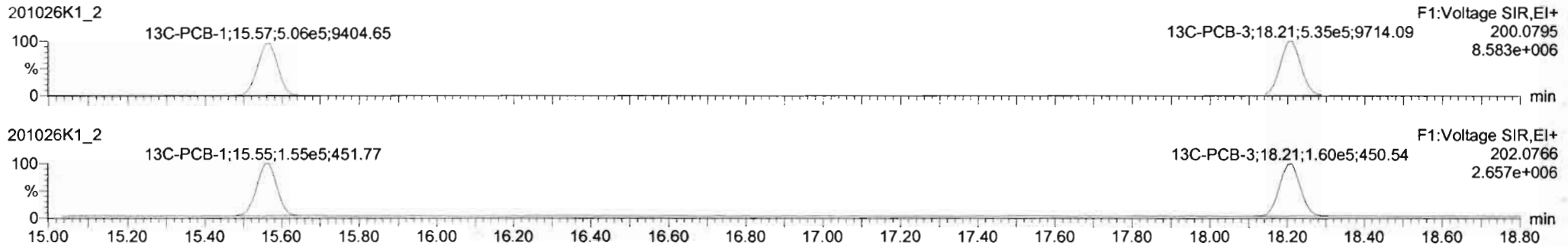
Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_10-24-20.mdb 24 Oct 2020 13:45:57  
Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-6-1-20.cdb 02 Jun 2020 10:21:16

Name: 201026K1\_2, Date: 26-Oct-2020, Time: 10:33:32, ID: B0J0186-BS1 OPR 5, Description: OPR

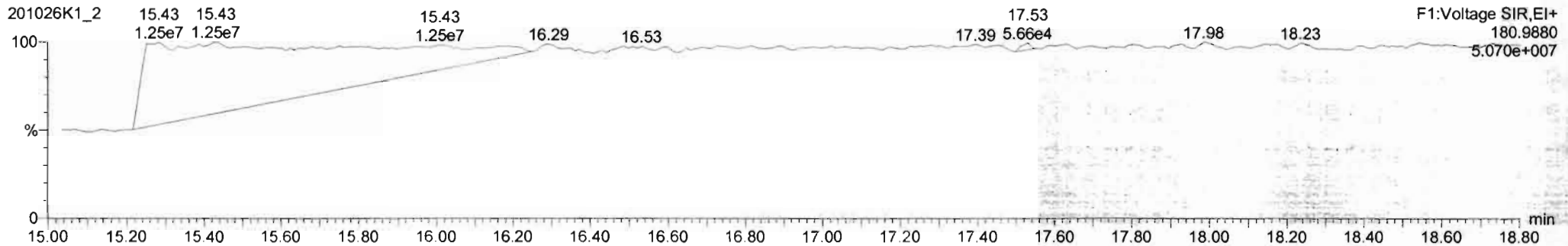
**PCB-1**



**13C-PCB-1**



**PFK1**



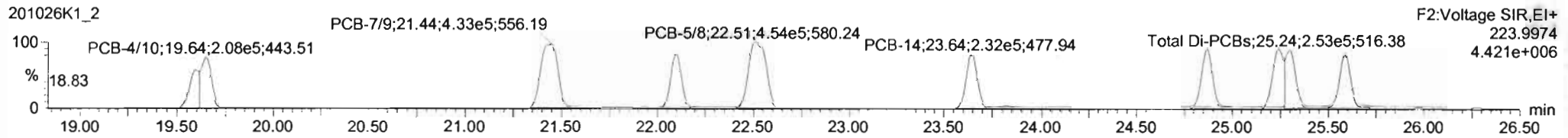
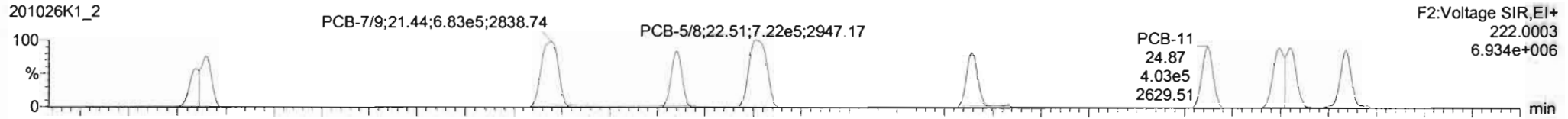
Dataset: Untitled

Last Altered: Monday, October 26, 2020 14:15:04 Pacific Daylight Time

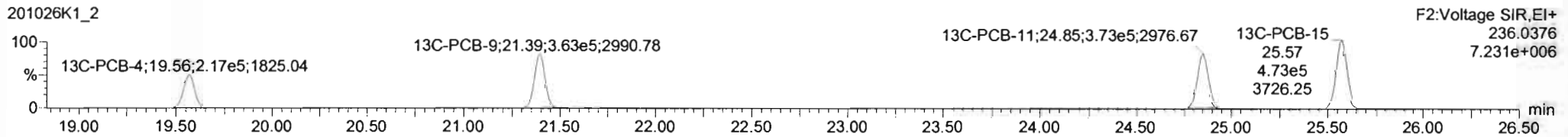
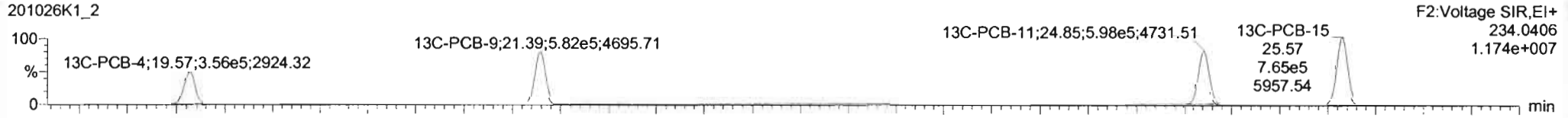
Printed: Monday, October 26, 2020 14:15:20 Pacific Daylight Time

Name: 201026K1\_2, Date: 26-Oct-2020, Time: 10:33:32, ID: B0J0186-BS1 OPR 5, Description: OPR

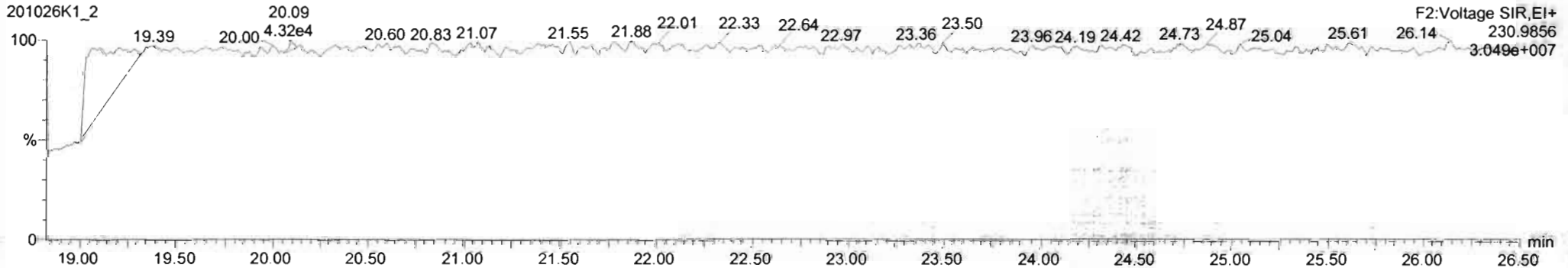
**PCB-4/10**



**13C-PCB-4**

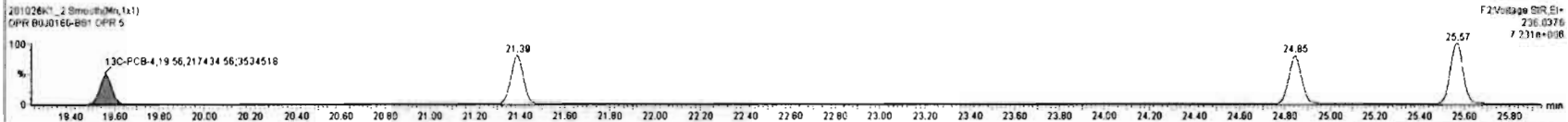
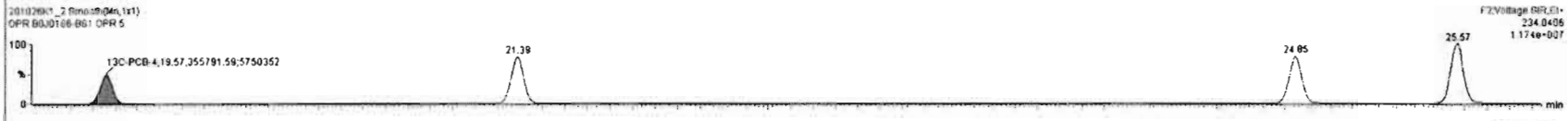
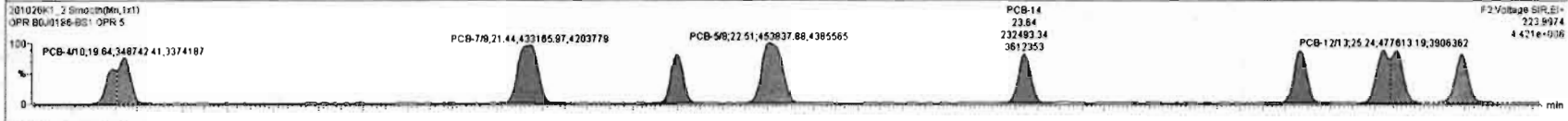
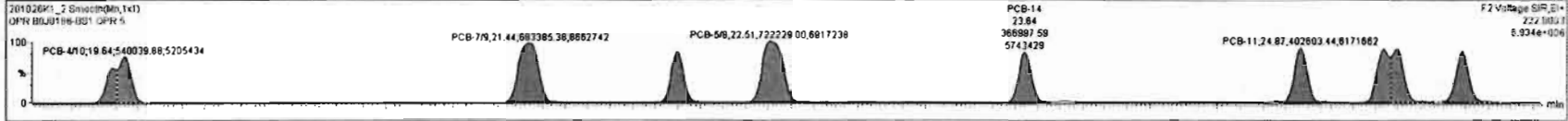


**PFK2a**



#	Name	Resp	RA	n/y	RF	wt/d	Pred RT	RT	Pred R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
218	218 13C-PCB-162	2.70e5	0.46	NO	1.0000	5.000	46.50	46.48	0.000	0.000	NO	2000	100	2.76	
219	219 13C-PCB-205	4.48e5	0.93	NO	1.0000	5.000	55.01	54.98	1.000	0.000	NO	2000	100	2.34	
220	220 13C-PCB-78	7.11e5	0.80	NO	1.0699	5.000	37.82	37.84	1.030	1.030	NO	1897	94.9	3.60	
221	221 13C-PCB-178	2.50e5	0.44	NO	0.7885	5.000	45.93	45.93	0.988	0.988	NO	1732	86.6	2.70	
222	222 13C-PCB-79	7.11e5	0.80	NO	1.0821	5.000	37.82	37.84	0.968	0.968	NO	2112	106	4.06	
223	223 13C-PCB-178	2.50e5	0.44	NO	1.0508	5.000	45.93	45.93	0.923	0.923	NO	2032	102	3.05	
224	224 Total Mono-PCBs				1.1665	5.000	0.00		0.000		NO	3491	1.76	3491	
225	225 Total Di-PCBs				1.0537	5.000	0.00		0.000		NO	14800	21.4	14800	
226	226 2nd Function Tri-PCBs				1.0807	5.000	0.00		0.000		NO	8889	7.03	8889	

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	4 PCB-410	19.66	19.64	5.400e5	3.487e5	1.560	1.55	NO	2484.6	2484.6
2	5 PCB-78	21.45	21.44	6.834e5	4.332e5	1.560	1.58	NO	2461.0	2461.0
3	6 PCB-5	22.10	22.09	3.685e5	2.295e5	1.580	1.61	NO	1236.3	1236.3
4	7 PCB-58	22.51	22.51	7.222e5	4.538e5	1.580	1.59	NO	2507.6	2507.6
5	8 PCB-14	23.64	23.64	3.870e5	2.325e5	1.580	1.58	NO	1214.3	1214.3
6	9 PCB-11	24.87	24.87	4.026e5	2.514e5	1.580	1.60	NO	1196.4	1196.4

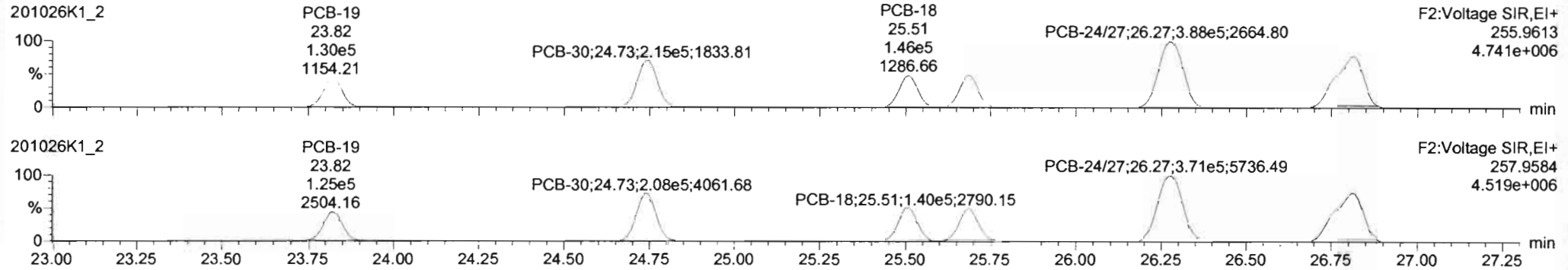


Dataset: Untitled

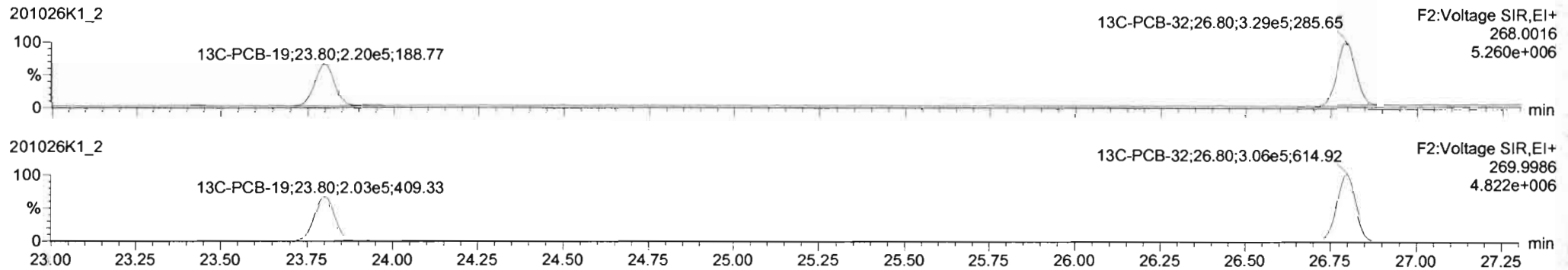
Last Altered: Monday, October 26, 2020 14:15:04 Pacific Daylight Time  
Printed: Monday, October 26, 2020 14:15:20 Pacific Daylight Time

Name: 201026K1\_2, Date: 26-Oct-2020, Time: 10:33:32, ID: B0J0186-BS1 OPR 5, Description: OPR

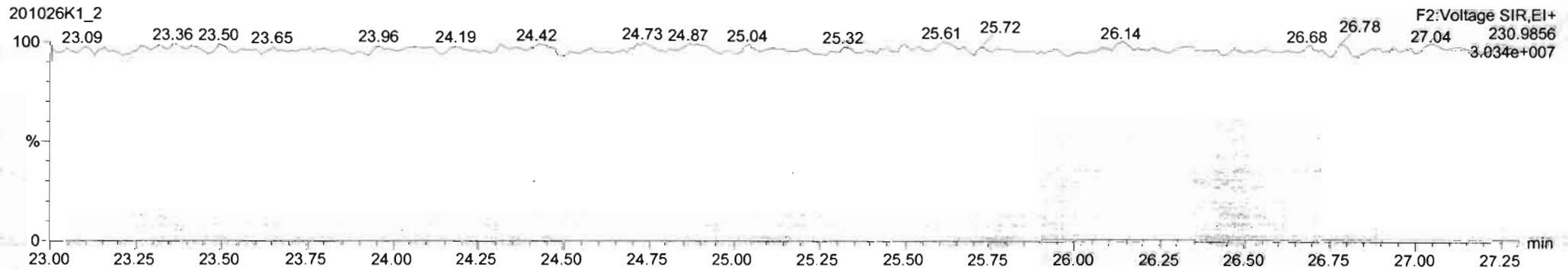
**PCB-19**



**13C-PCB-19**



**PFK2b**



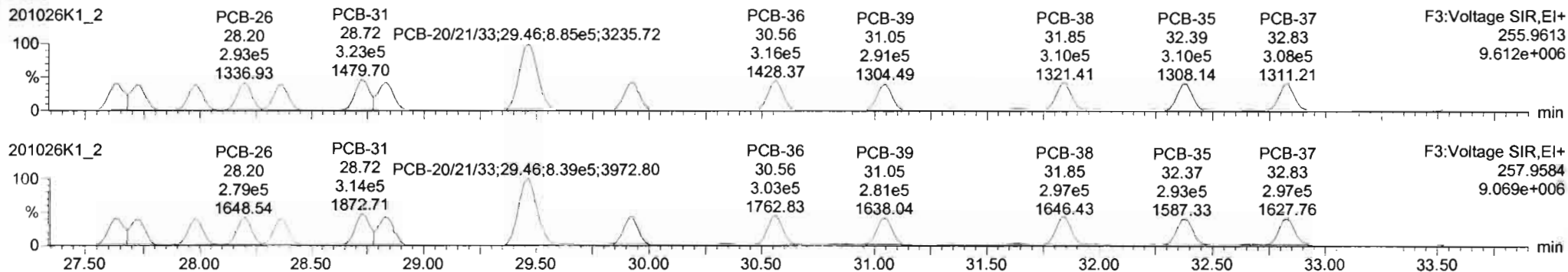
Dataset: Untitled

Last Altered: Monday, October 26, 2020 14:15:04 Pacific Daylight Time

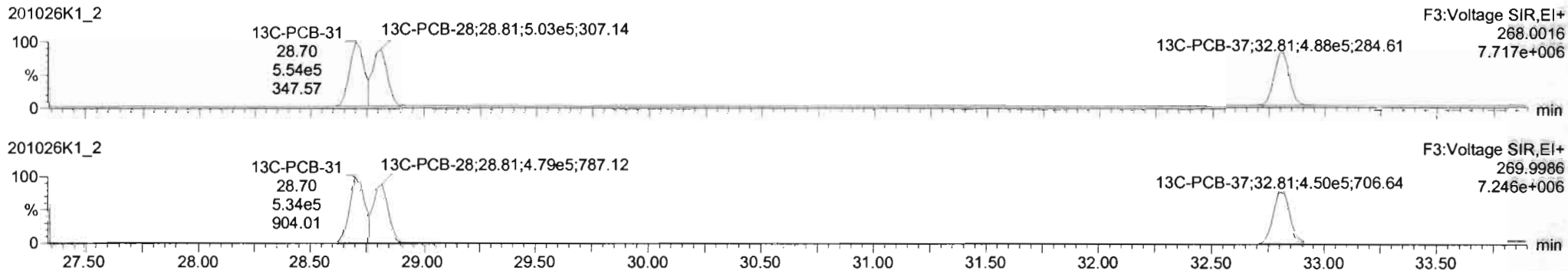
Printed: Monday, October 26, 2020 14:15:20 Pacific Daylight Time

Name: 201026K1\_2, Date: 26-Oct-2020, Time: 10:33:32, ID: B0J0186-BS1 OPR 5, Description: OPR

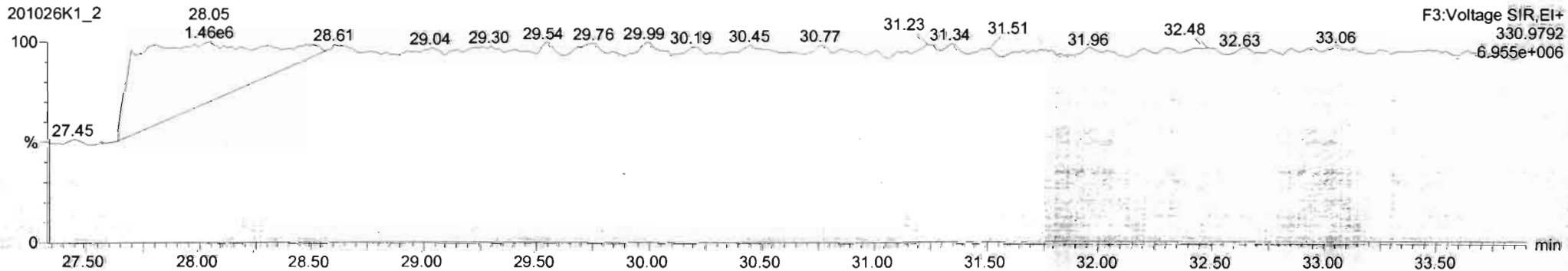
**PCB-34**



**13C-PCB-28**



**PFK3d**



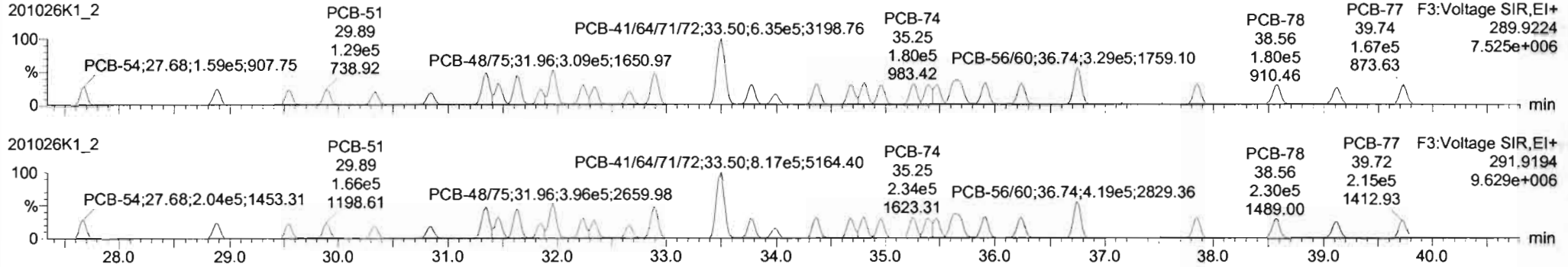
Dataset: Untitled

Last Altered: Monday, October 26, 2020 14:15:04 Pacific Daylight Time

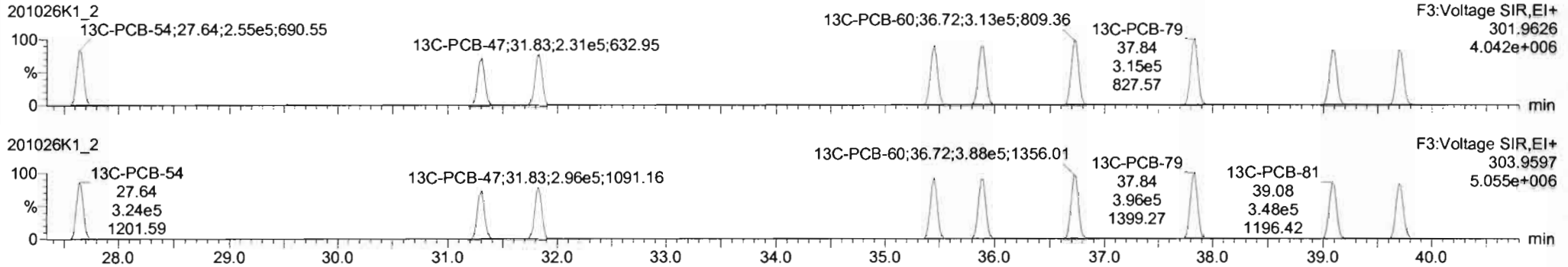
Printed: Monday, October 26, 2020 14:15:20 Pacific Daylight Time

Name: 201026K1\_2, Date: 26-Oct-2020, Time: 10:33:32, ID: B0J0186-BS1 OPR 5, Description: OPR

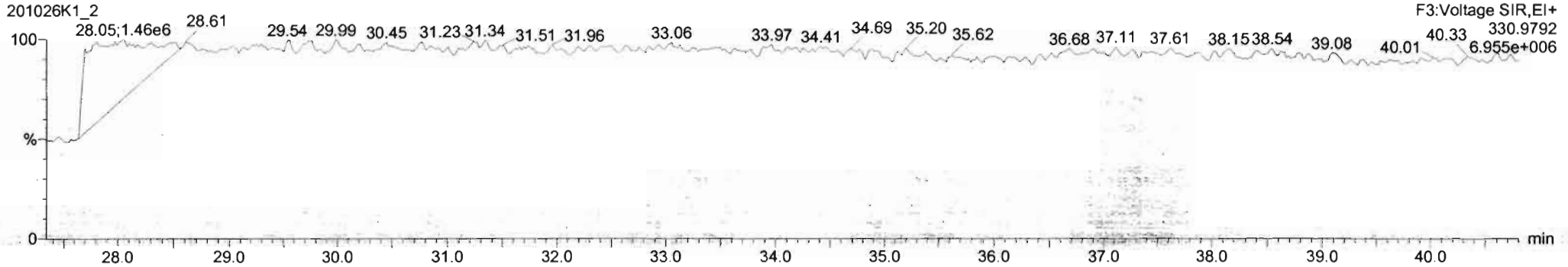
**PCB-54**



**13C-PCB-54**



**PFK3a**





Dataset: Untitled

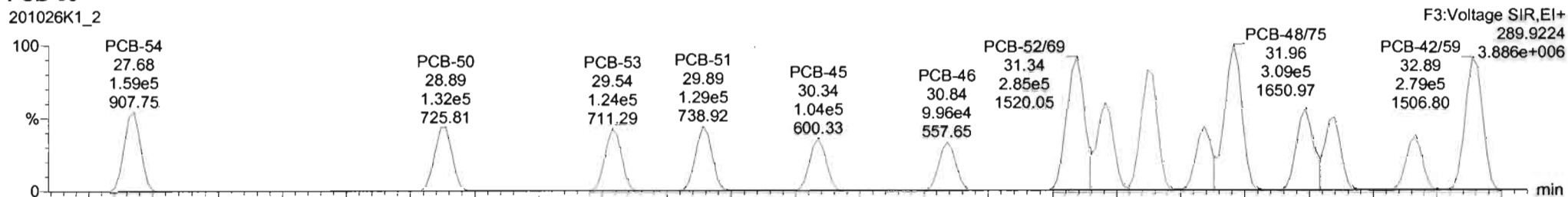
Last Altered: Monday, October 26, 2020 14:15:04 Pacific Daylight Time

Printed: Monday, October 26, 2020 14:15:20 Pacific Daylight Time

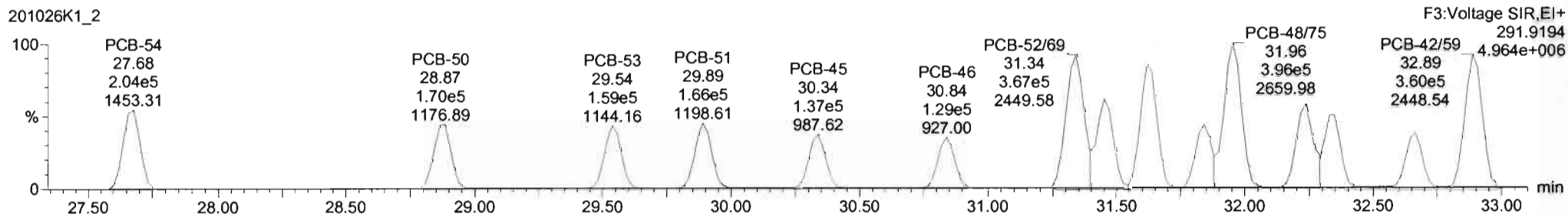
Name: 201026K1\_2, Date: 26-Oct-2020, Time: 10:33:32, ID: B0J0186-BS1 OPR 5, Description: OPR

**PCB-50**

201026K1\_2



201026K1\_2

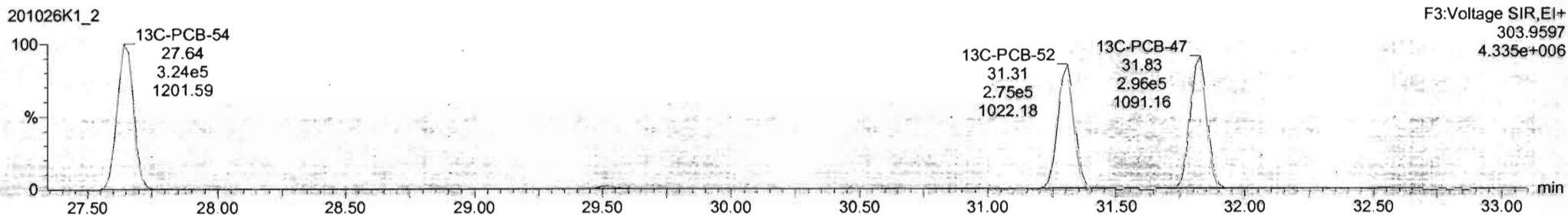


**13C-PCB-52**

201026K1\_2



201026K1\_2

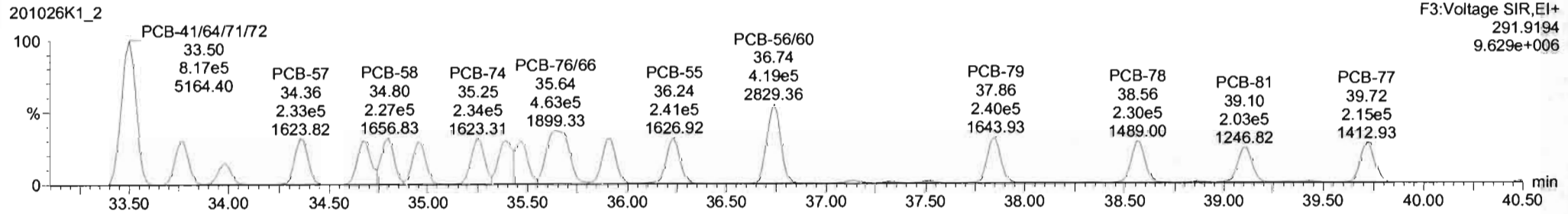
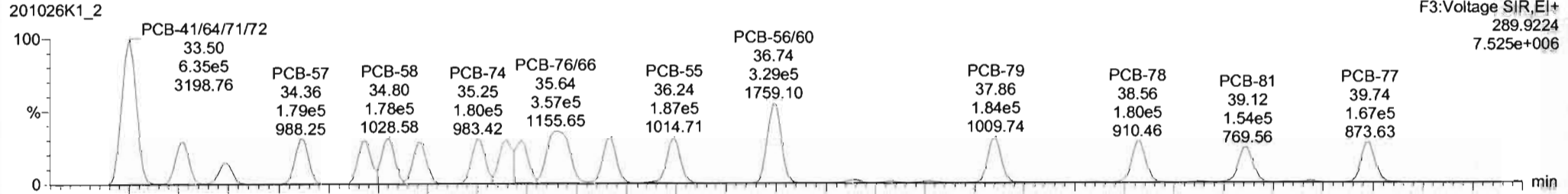


Dataset: Untitled

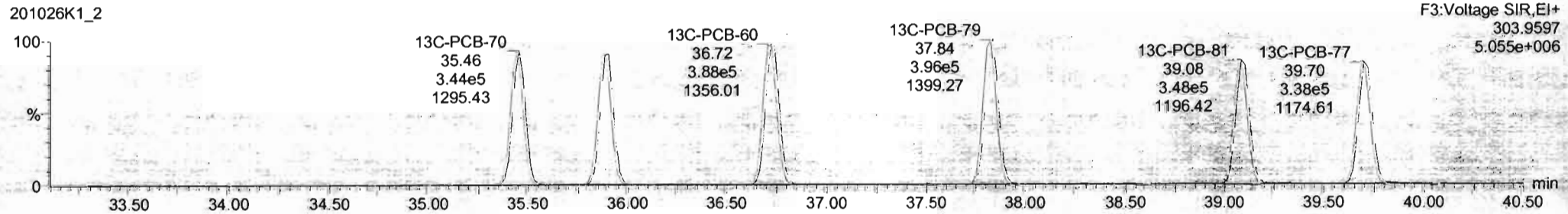
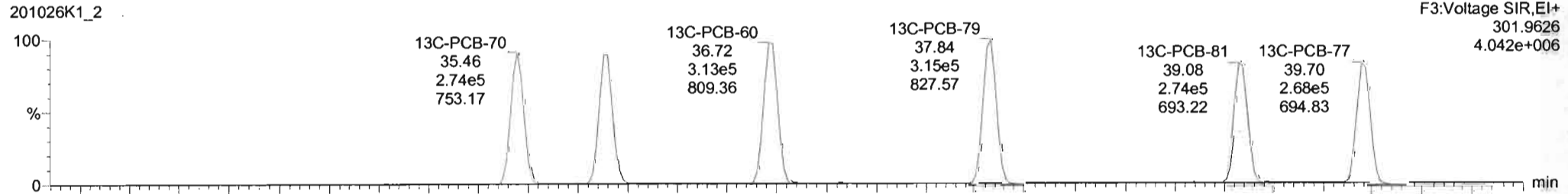
Last Altered: Monday, October 26, 2020 14:15:04 Pacific Daylight Time  
Printed: Monday, October 26, 2020 14:15:20 Pacific Daylight Time

Name: 201026K1\_2, Date: 26-Oct-2020, Time: 10:33:32, ID: B0J0186-BS1 OPR 5, Description: OPR

**PCB-68**

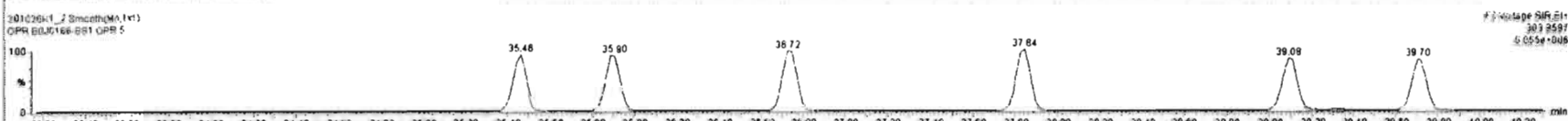
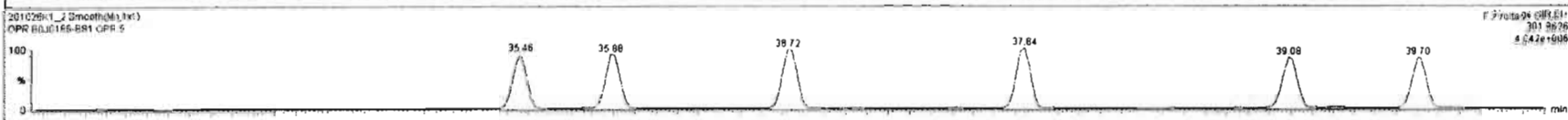
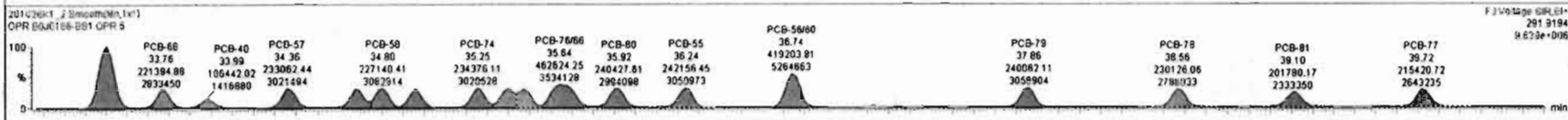
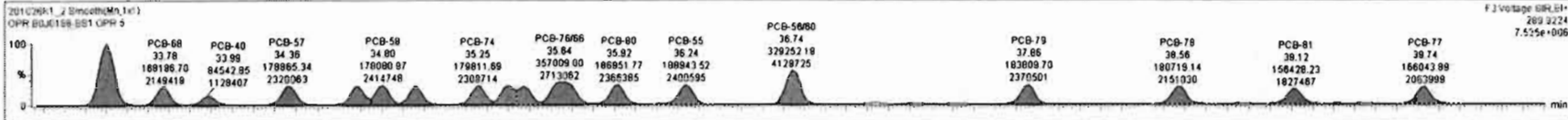


**13C-PCB-60**



#	Name	Resp	RA	rvy	RRF	wAve	Pred RT	RT	Pred R <sub>1</sub>	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
227	3rd Function Tri-PCBs				0.9926	5.000	0.00	0.000	0.000	NO	19790	23.9	19790		
228	Total Tetra-PCBs				1.0778	5.000	0.00	0.000	0.000	NO	48460	80.9	48460		
229	3rd Function Penta-PCBs				1.3157	5.000	0.00	0.000	0.000	NO	45250	33.9	45250		
230	4th Function Penta-PCBs				1.0735	5.000	0.00	0.000	0.000	NO	6147	5.02	6147		
231	3rd Function Hexa-PCBs				0.9505	5.000	0.00	0.000	0.000	NO	16310	17.7	16310		
232	4th Function Hexa-PCBs				1.0316	5.000	0.00	0.000	0.000	NO	31840	36.5	31840		
233	Total Hepta-PCBs				1.3551	5.000	0.00	0.000	0.000	NO	26090	36.1	26090		
234	4th Function Octa-PCBs				1.0008	5.000	0.00	0.000	0.000	NO	9343	9.96	9343		
235	5th Function Octa-PCBs				1.1499	5.000	0.00	0.000	0.000	NO	3430	3.73	3430		

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	rvy	EMPC	Conc.
1	32 PCB-54	27.66	27.66	1.59265	2.00865	0.770	0.78	NO	1158.9	1158.9
2	33 PCB-50	28.67	28.66	1.31665	1.70465	0.770	0.77	NO	1184.9	1184.9
3	34 PCB-53	29.65	29.54	1.23865	1.58765	0.770	0.78	NO	1163.0	1163.0
4	35 PCB-51	29.80	29.89	1.29565	1.66465	0.770	0.78	NO	1140.0	1140.0
5	36 PCB-45	30.35	30.34	1.04365	1.37365	0.770	0.76	NO	1155.0	1155.0
6	37 PCB-46	30.85	30.84	0.98564	1.29565	0.770	0.77	NO	1131.8	1131.8
7	38 PCB-43	31.34	31.34	0.92864	1.20864	0.770	0.78	NO	1091.7	1091.7



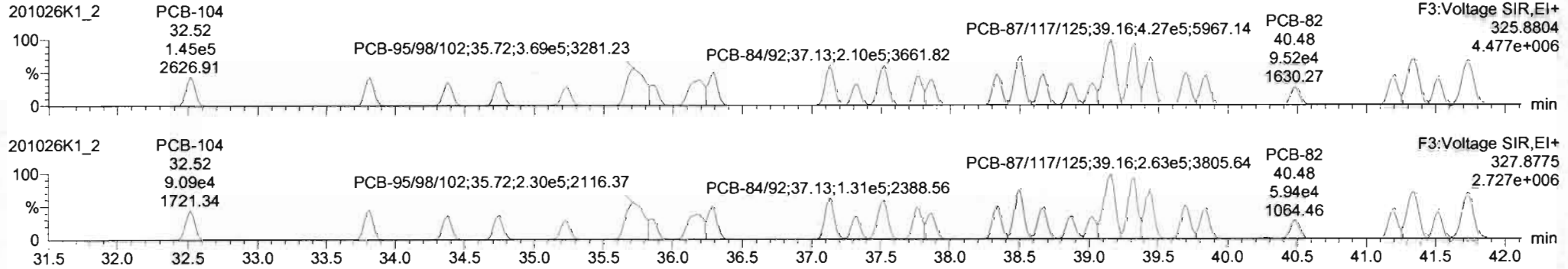
Dataset: Untitled

Last Altered: Monday, October 26, 2020 14:15:04 Pacific Daylight Time

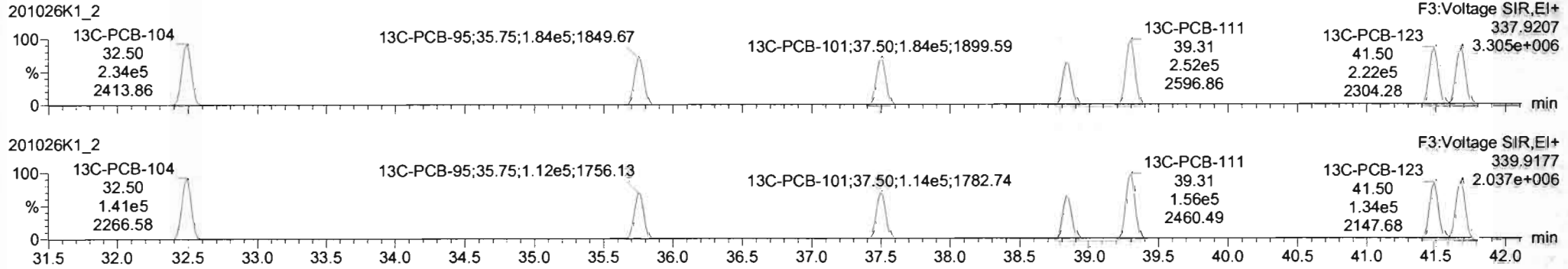
Printed: Monday, October 26, 2020 14:15:20 Pacific Daylight Time

Name: 201026K1\_2, Date: 26-Oct-2020, Time: 10:33:32, ID: B0J0186-BS1 OPR 5, Description: OPR

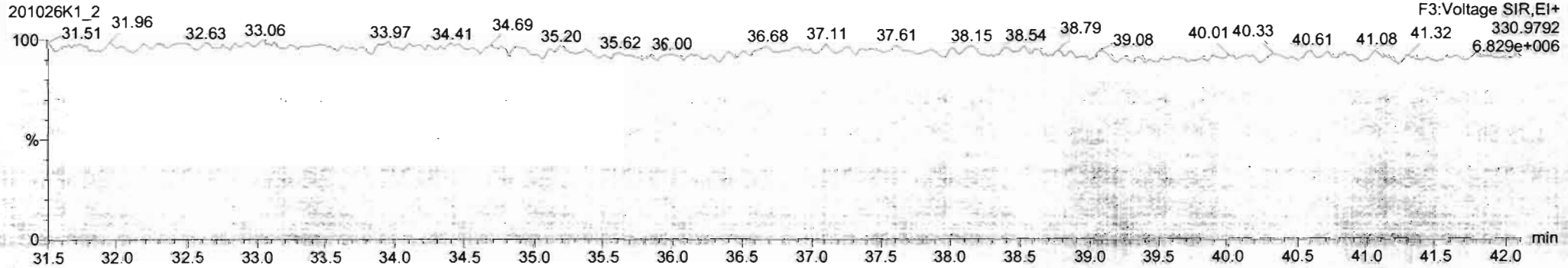
**PCB-104**



**13C-PCB-104**



**PFK3b**

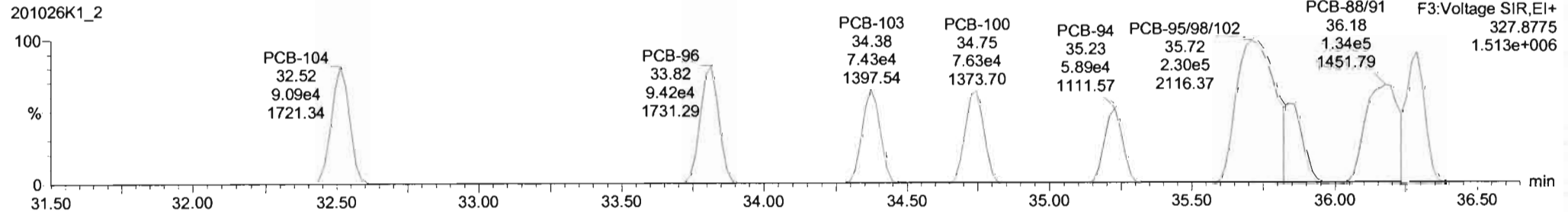
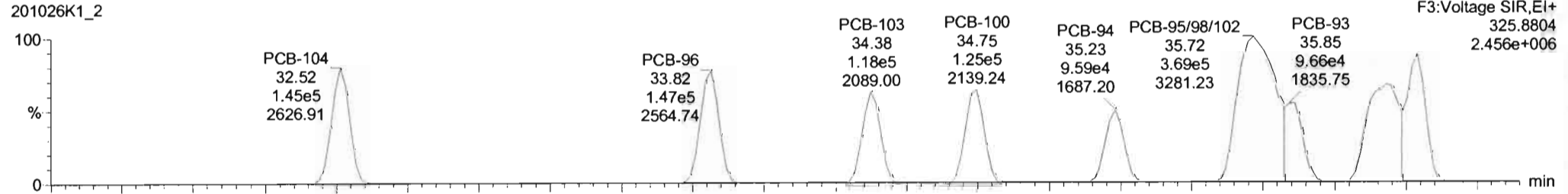


Dataset: Untitled

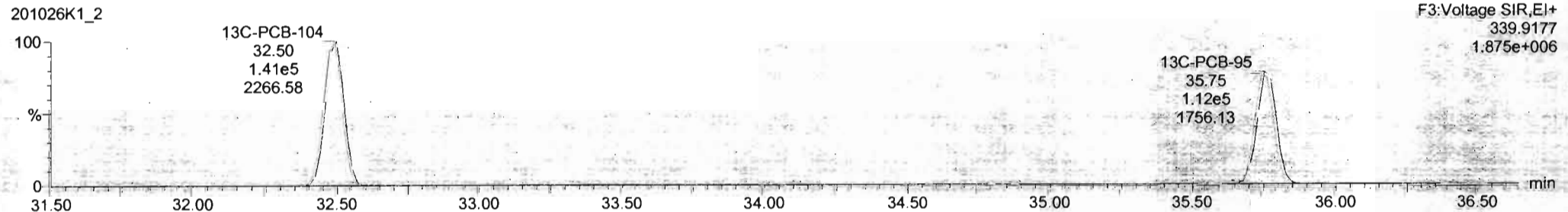
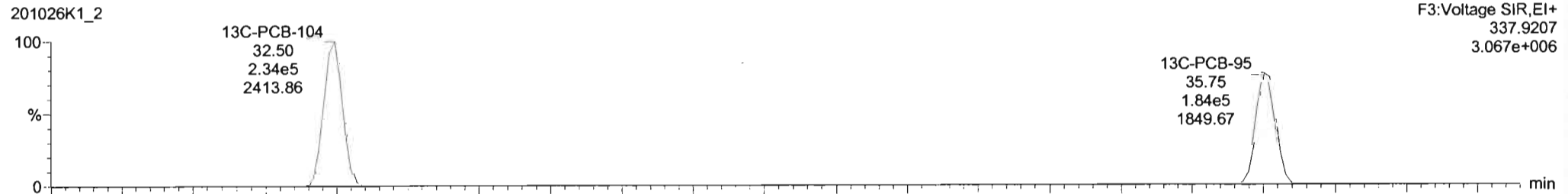
Last Altered: Monday, October 26, 2020 14:15:04 Pacific Daylight Time  
Printed: Monday, October 26, 2020 14:15:20 Pacific Daylight Time

Name: 201026K1\_2, Date: 26-Oct-2020, Time: 10:33:32, ID: B0J0186-BS1 OPR 5, Description: OPR

**PCB-96**



**13C-PCB-95**



Dataset: Untitled

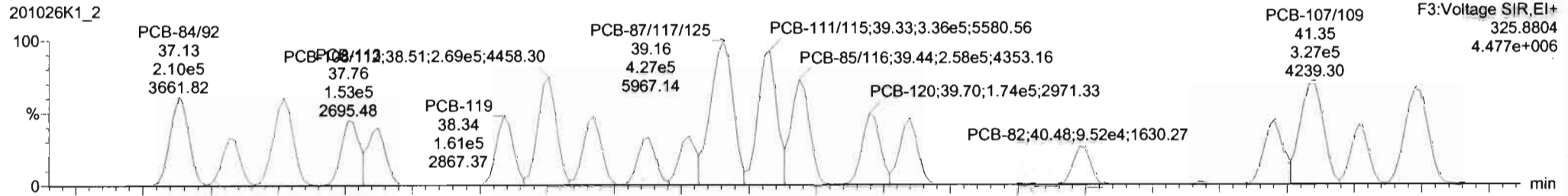
Last Altered: Monday, October 26, 2020 14:15:04 Pacific Daylight Time

Printed: Monday, October 26, 2020 14:15:20 Pacific Daylight Time

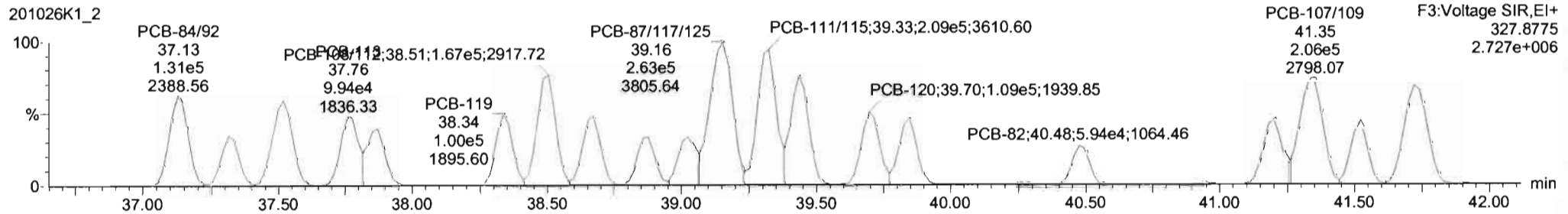
Name: 201026K1\_2, Date: 26-Oct-2020, Time: 10:33:32, ID: B0J0186-BS1 OPR 5, Description: OPR

**PCB-119**

201026K1\_2

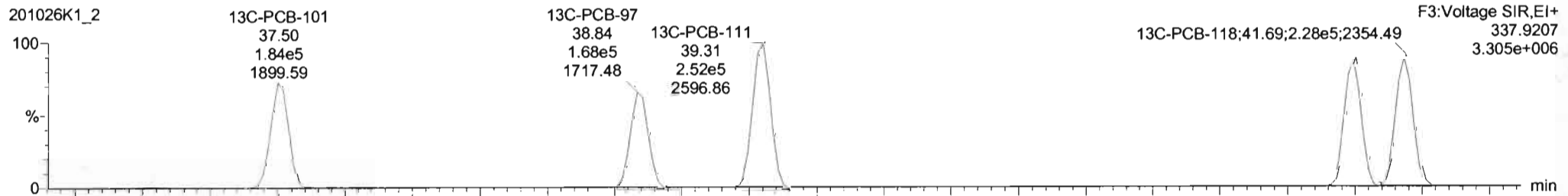


201026K1\_2

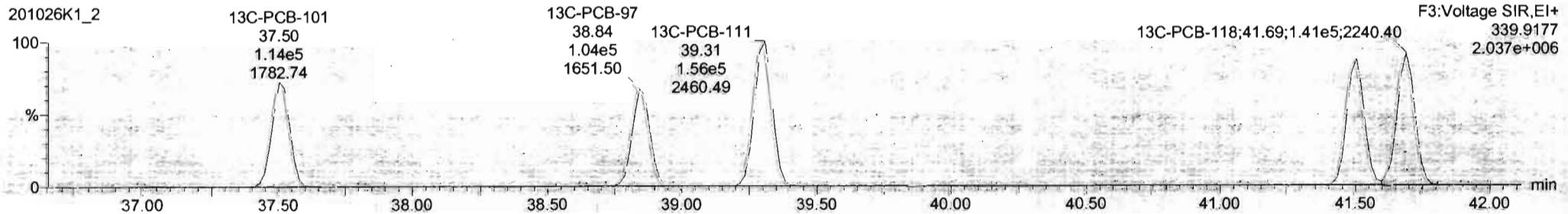


**13C-PCB-111**

201026K1\_2

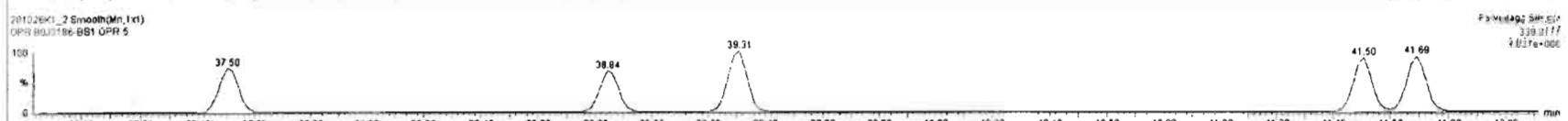
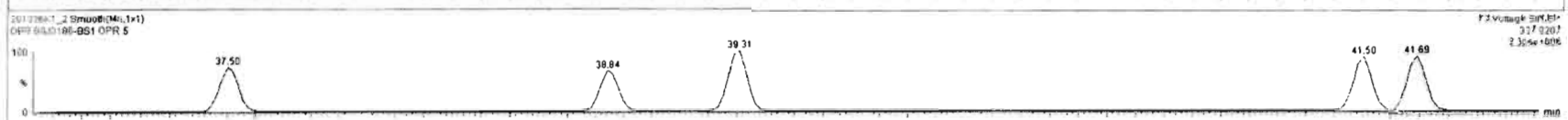
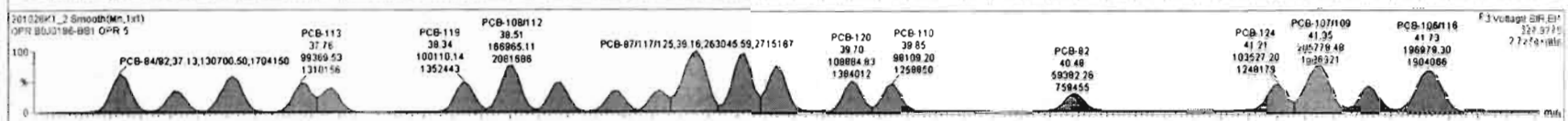
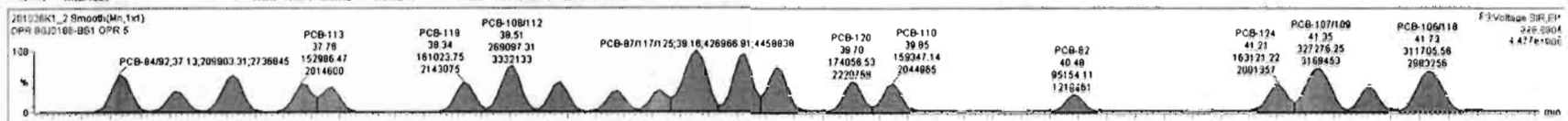


201026K1\_2



#	Name	Resp	RA	nly	RRF	wtWtd	Pred RT	RT	Pred R	RRT	RRT Fal	Conc	%Rec	DL	EMPC
227	227 3rd Function Tri-PCBs				0.9628	5.000	0.00		0.000			10700		23.9	10790
228	228 Total Tetra-PCBs				1.0778	5.000	0.00		0.000			48400		69.9	48400
229	229 3rd Function Penta-PCBs				1.3167	5.000	0.00		0.000			45200		32.9	45200
230	230 4th Function Penta-PCBs				1.0735	5.000	0.00		0.000			8147		5.02	8147
231	231 3rd Function Hexa-PCBs				0.9505	5.000	0.00		0.000			16310		12.7	16310
232	232 4th Function Hexa-PCBs				1.0316	5.000	0.00		0.000			31840		38.5	31840
233	233 Total Hepta-PCBs				1.3551	5.000	0.00		0.000			26000		36.1	26000
234	234 4th Function Octa-PCBs				1.0008	5.000	0.00		0.000			9343		9.96	9343
235	235 5th Function Octa-PCBs				1.1489	5.000	0.00		0.000			34301		37.3	34301

#	Name	Pred RT	RT	wt Resp	m2 Resp	1st Ratio (Pred)	RA	nly	EMPC	Conc
1	64 PCB-104	32.52	32.52	1.450e5	9.091e4	1.560	1.80	NO	1121.8	1121.8
2	85 PCB-86	33.82	33.82	1.469e5	9.415e4	1.560	1.56	NO	1114.8	1114.8
3	86 PCB-103	34.38	34.38	1.177e5	7.420e4	1.560	1.58	NO	1090.8	1090.8
4	87 PCB-100	34.75	34.75	1.242e5	7.632e4	1.580	1.83	NO	1124.8	1124.8
5	68 PCB-94	35.23	35.23	9.594e4	5.885e4	1.580	1.83	NO	1102.8	1102.8
6	89 PCB-95/98/02	35.70	35.72	3.686e5	2.296e5	1.560	1.61	NO	3357.3	3357.3
7	70 PCB-93	36.40	36.40	6.667e4	4.017e4	1.600	1.66	NO	1110.1	1110.1



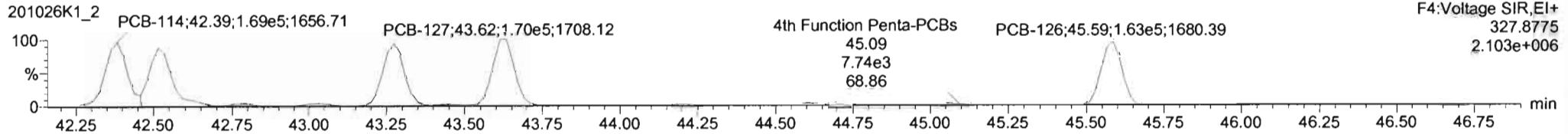
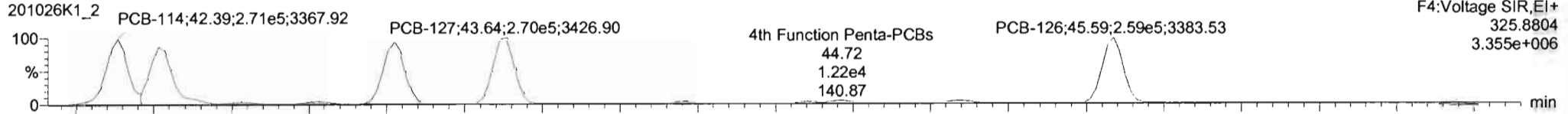
Dataset: Untitled

Last Altered: Monday, October 26, 2020 14:15:04 Pacific Daylight Time

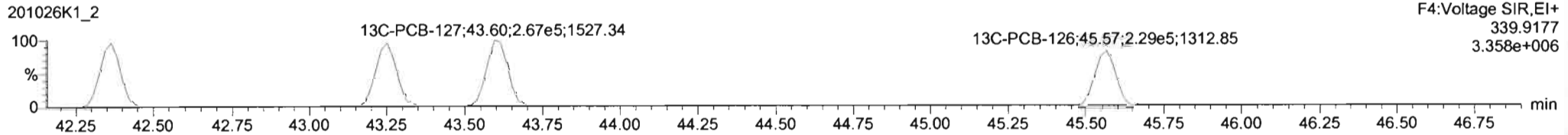
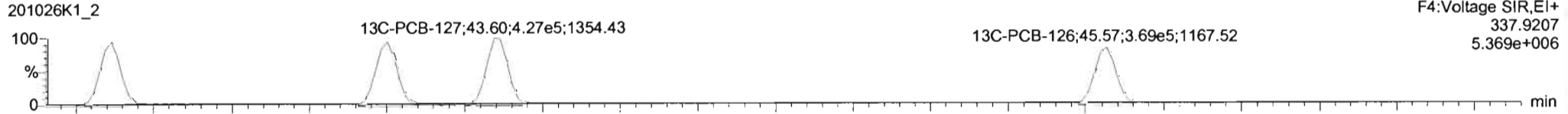
Printed: Monday, October 26, 2020 14:15:20 Pacific Daylight Time

Name: 201026K1\_2, Date: 26-Oct-2020, Time: 10:33:32, ID: B0J0186-BS1 OPR 5, Description: OPR

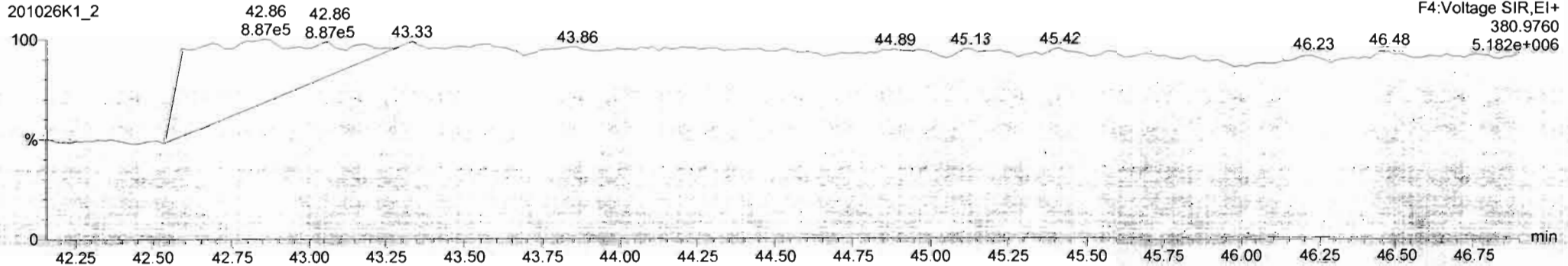
**PCB-114**



**13C-PCB-114**



**PFK4a**

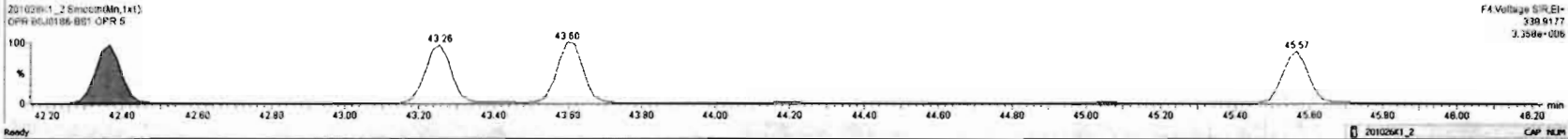




201026K1\_2.B00186-BS1.CPR 5 - CPR

#	Name	Mass	RA	n/y	RRF	VolVol	Pred RT	RT	Pred R...	RRT	RRT Fat	Conc.	%Rec	DL	EMPC
227	227	3rd Function Tri-PCBs			0.9626	5.000	0.00		0.000		NO	19790	23.9	19790	
228	228	Total Tetra-PCBs			1.0778	5.000	0.00		0.000		NO	48480	69.9	48480	
229	229	3rd Function Penta-PCBs			1.2157	5.000	0.00		0.000		NO	45260	73.9	45260	
230	230	4th Function Penta-PCBs			1.0235	5.000	0.00		0.000		NO	8046	5.02	8046	
231	231	3rd Function Hexa-PCBs			0.9525	5.000	0.00		0.000		NO	16210	12.7	16210	
232	232	4th Function Hexa-PCBs			1.0316	5.000	0.00		0.000		NO	31840	36.5	31840	
233	233	Total Hepta-PCBs			1.3551	5.000	0.00		0.000		NO	26080	36.1	26080	
234	234	4th Function Octa-PCBs			1.0008	5.000	0.00		0.000		NO	9343	9.88	9343	
235	235	5th Function Octa-PCBs			1.1499	5.000	0.00		0.000		NO	3430	3.73	3430	

#	Name	Pred RT	RT	rt1 Resp	rt2 Resp	1* Ratio (Rec)	RA	n/y	EMPC	Conc
1	83 PCB-114	42.39	42.39	2.630e5	1.689e5	1.560	1.56	NO	1192.6	1192.6
2	84 PCB-122	42.54	42.52	2.309e5	1.500e5	1.560	1.54	NO	1270.1	1270.1
3	95 PCB-105	43.27	43.28	2.484e5	1.544e5	1.550	1.61	NO	1175.9	1175.9
4	96 PCB-127	43.62	43.64	2.700e5	1.705e5	1.560	1.58	NO	1199.0	1199.0
5	97 PCB-126	45.58	45.58	2.591e5	1.634e5	1.560	1.58	NO	1207.4	1207.4



Dataset: Untitled

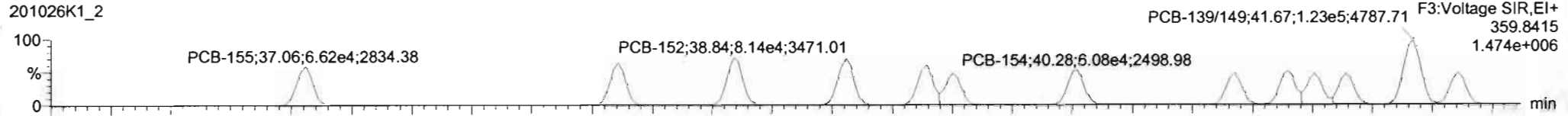
Last Altered: Monday, October 26, 2020 14:15:04 Pacific Daylight Time

Printed: Monday, October 26, 2020 14:15:20 Pacific Daylight Time

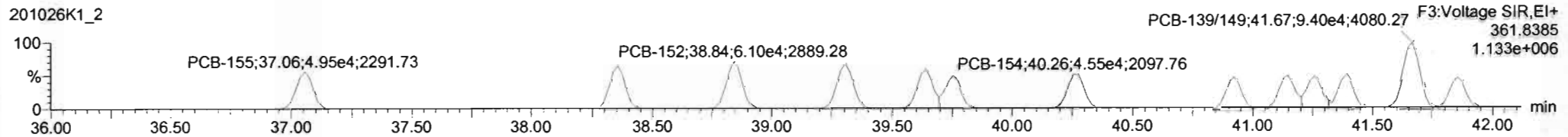
Name: 201026K1\_2, Date: 26-Oct-2020, Time: 10:33:32, ID: B0J0186-BS1 OPR 5, Description: OPR

**PCB-155**

201026K1\_2

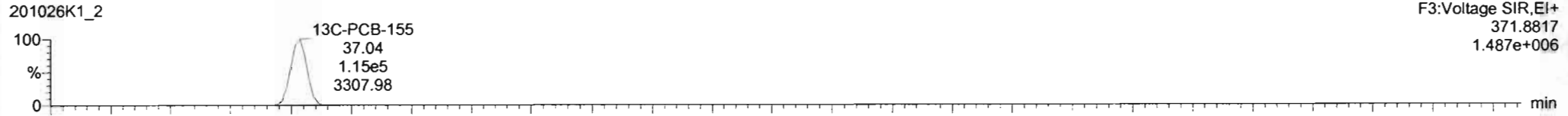


201026K1\_2

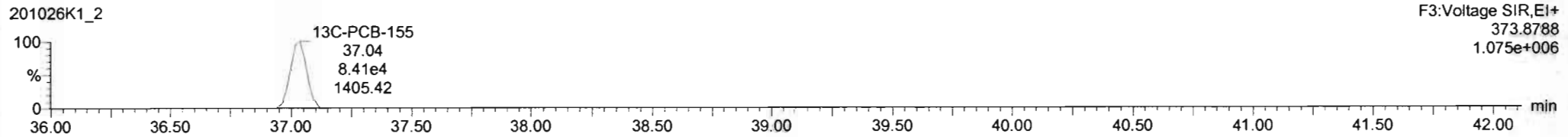


**13C-PCB-155**

201026K1\_2

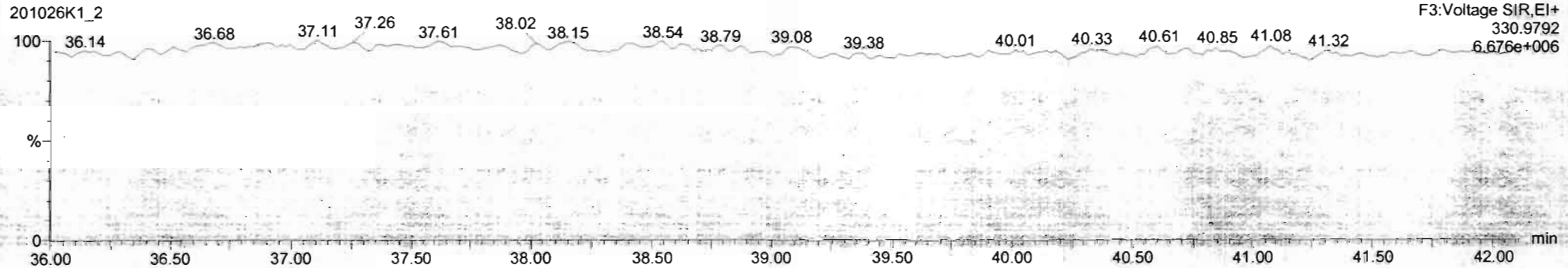


201026K1\_2



**PFK3c**

201026K1\_2



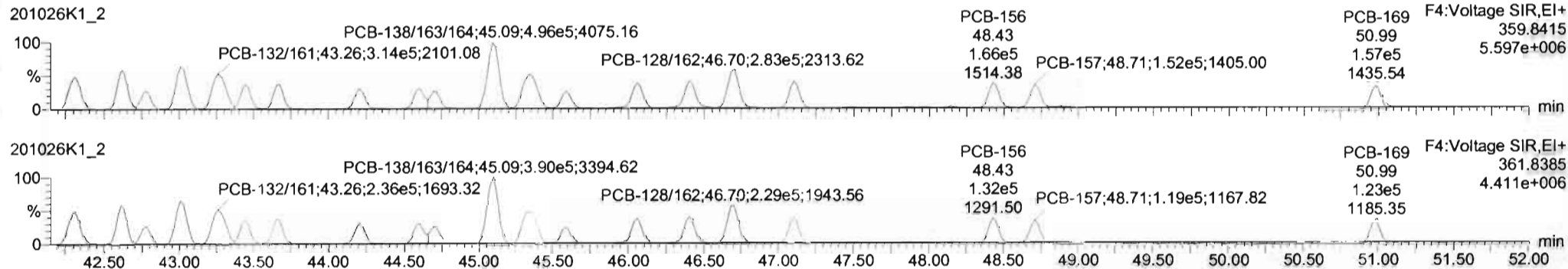
Dataset: Untitled

Last Altered: Monday, October 26, 2020 14:15:04 Pacific Daylight Time

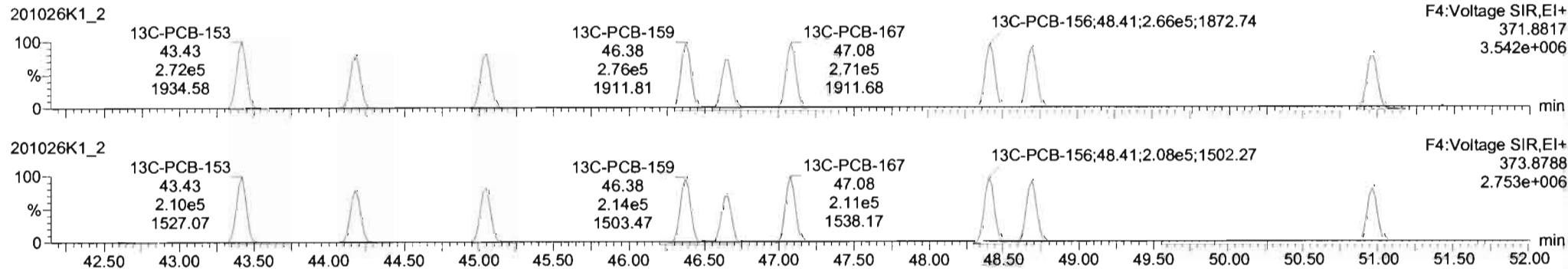
Printed: Monday, October 26, 2020 14:15:20 Pacific Daylight Time

Name: 201026K1\_2, Date: 26-Oct-2020, Time: 10:33:32, ID: B0J0186-BS1 OPR 5, Description: OPR

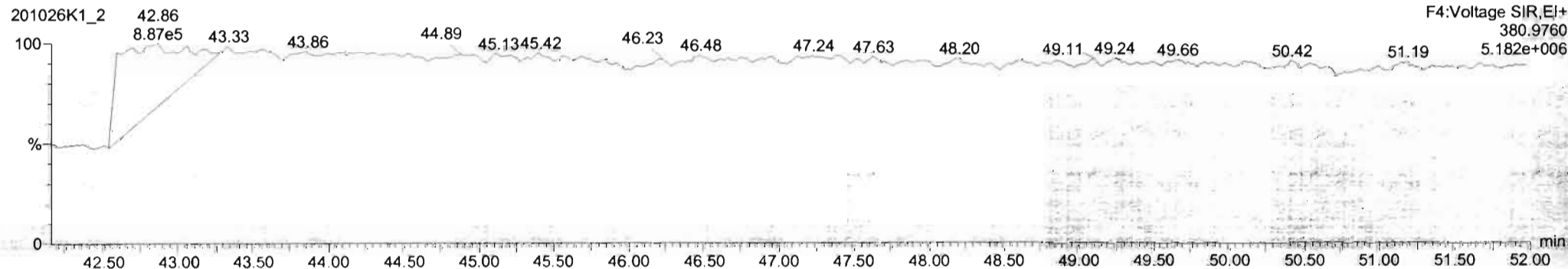
**PCB-134/143**



**13C-PCB-153**



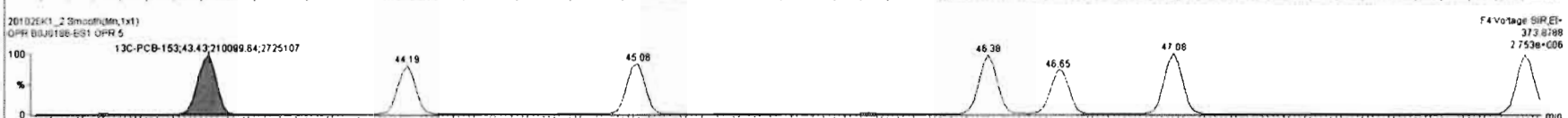
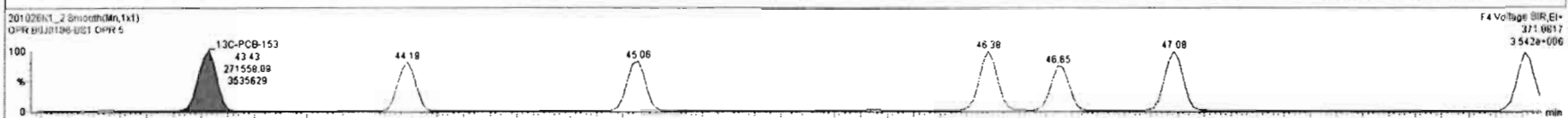
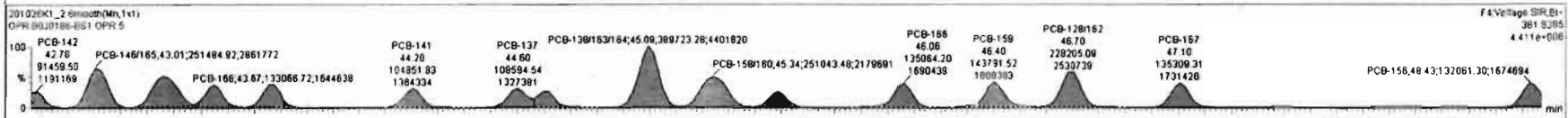
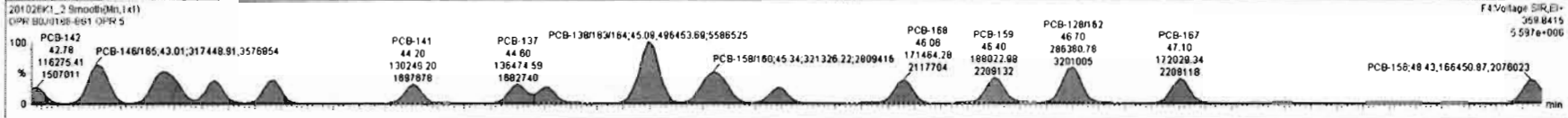
**PFK4b**



201026K1\_2 - BUJ0186-BS1 OPR 5 - OPR

#	Name	Resp	RA	nV	RRF	wtAvt	Pred RT	RT	Pred R	PRT	RRF Fail	Conc	%Rec	DL	EMPC
227	227 3rd Function Tri-PCBs				0.9828	5.000	0.00		0.000		NO	19790	23.9	19790	
228	228 Total Tetra-PCBs				1.6778	5.000	0.00		0.000		NO	48460	69.9	48460	
229	229 3rd Function Penta-PCBs				1.3157	5.000	0.00		0.000		NO	45260	33.9	45260	
230	230 4th Function Penta-PCBs				1.6735	5.000	0.00		0.000		NO	6046	5.07	6046	
231	231 3rd Function Hexa-PCBs				0.9505	5.000	0.00		0.000		NO	18310	12.7	18310	
232	232 4th Function Hexa-PCBs				1.6318	5.000	0.00		0.000		NO	31870	36.5	31870	
233	233 Total Hepta-PCBs				1.2551	5.000	0.00		0.000		NO	26090	35.1	26090	
234	234 4th Function Octa-PCBs				1.0008	5.000	0.00		0.000		NO	8343	8.96	8343	
235	235 5th Function Octa-PCBs				1.1499	5.000	0.00		0.000		NO	3430	3.72	3430	

#	Name	Pred RT	RT	nt Resp	m2 Resp	1* Ratio (Pred)	RA	nV	EMPC	Conc.
1	111 PCB-134/43	42.31	42.31	2.200e5	1.800e5	1.240	1.24	NO	2331.6	2331.6
2	112 PCB-131/43	42.63	42.61	2.584e5	2.031e5	1.240	1.26	NO	2324.5	2324.5
3	113 PCB-142	42.79	42.78	1.163e5	9.146e4	1.240	1.27	NO	1143.6	1143.6
4	114 PCB-146/61	43.03	43.01	3.174e5	2.515e5	1.240	1.26	NO	2323.8	2323.8
5	115 PCB-132/61	43.28	43.26	3.140e5	2.469e5	1.240	1.27	NO	2274.3	2274.3
6	116 PCB-153	43.44	43.45	1.625e5	1.299e5	1.240	1.25	NO	1134.0	1134.0
7	117 PCB-168	43.67	43.62	1.436e5	1.111e5	1.240	1.25	NO	1142.7	1142.7



Dataset: Untitled

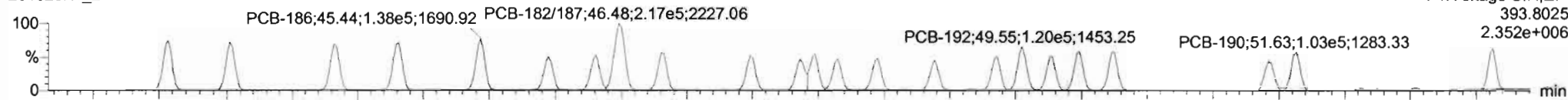
Last Altered: Monday, October 26, 2020 14:15:04 Pacific Daylight Time

Printed: Monday, October 26, 2020 14:15:20 Pacific Daylight Time

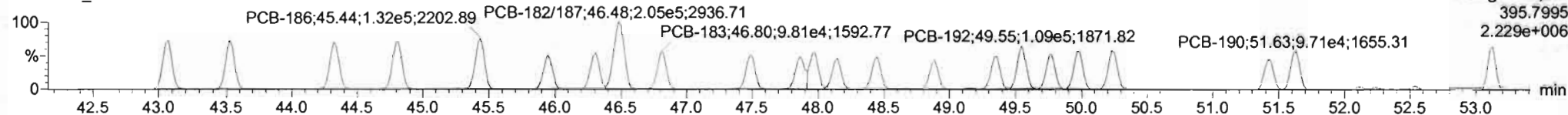
Name: 201026K1\_2, Date: 26-Oct-2020, Time: 10:33:32, ID: B0J0186-BS1 OPR 5, Description: OPR

**PCB-188**

201026K1\_2

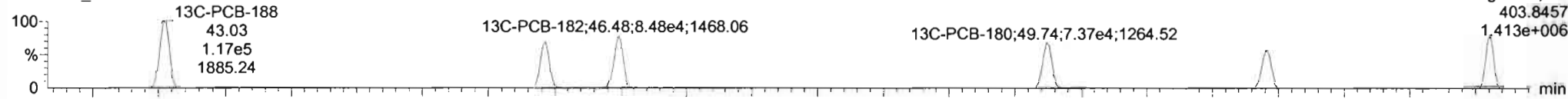


201026K1\_2

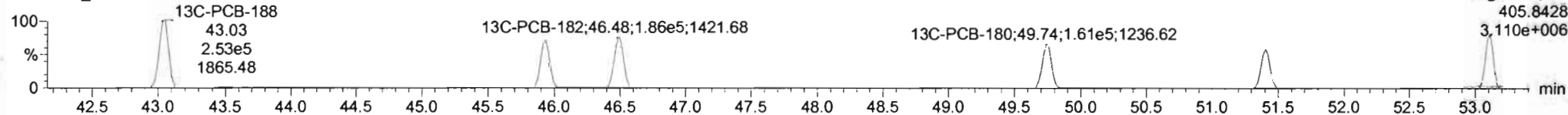


**13C-PCB-188**

201026K1\_2

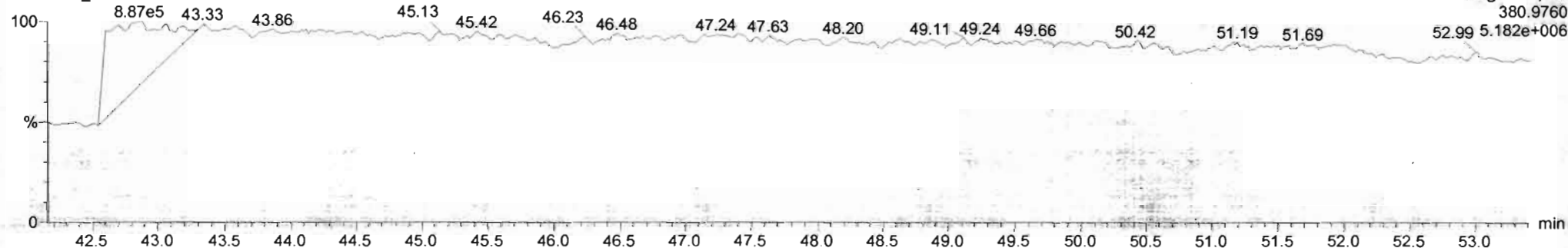


201026K1\_2



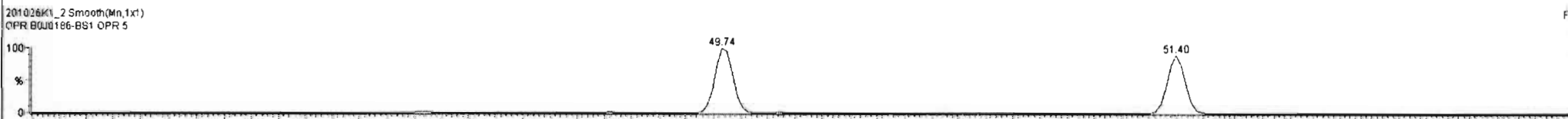
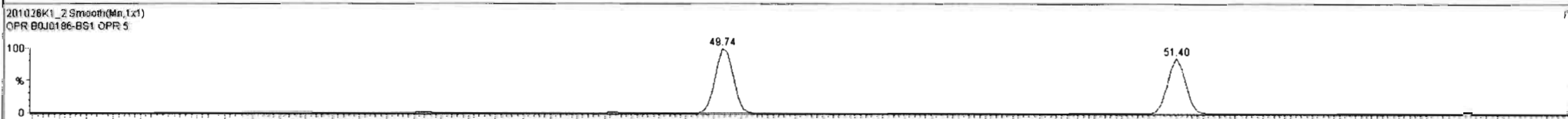
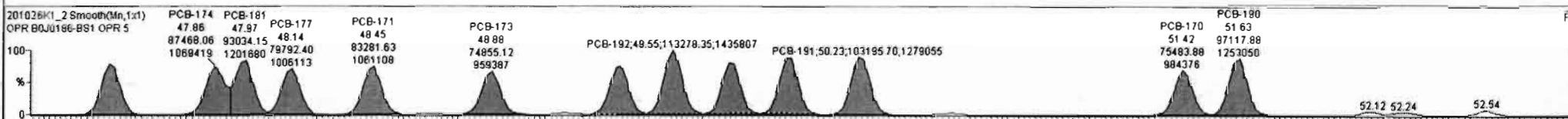
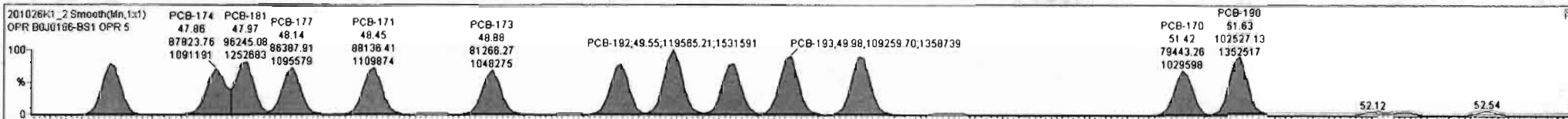
**PFK4c**

201026K1\_2



#	Name	Resp	RA	nly	RRF	wt/Vol	Pred.RT	RT	Pred.R	RRT	RRT Fall	Conc	%Rec	DL	EMPC
227	227 3rd Function Tri-PCBs				0.9828	5.000	0.00		0.000		NO	19790	23.9	19790	
228	228 Total Tetra-PCBs				1.0778	5.000	0.00		0.000		NO	48460	69.9	48460	
229	229 3rd Function Penta-PCBs				1.3157	5.000	0.00		0.000		NO	45260	33.9	45260	
230	230 4th Function Penta-PCBs				1.0735	5.000	0.00		0.000		NO	8046	5.02	8046	
231	231 3rd Function Hexa-PCBs				0.9505	5.000	0.00		0.000		NO	16310	12.7	16310	
232	232 4th Function Hexa-PCBs				1.0316	5.000	0.00		0.000		NO	31870	36.5	31870	
233	233 Total Hepta-PCBs				1.3651	5.000	0.00		0.000		NO	26170	36.1	26170	
234	234 4th Function Octa-PCBs				1.0008	5.000	0.00		0.000		NO	9343	9.96	9343	
235	235 5th Function Octa-PCBs				1.1499	5.000	0.00		0.000		NO	3430	3.73	3430	

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1	131 PCB-188	43.07	43.07	1.344e5	1.261e5	1.050	1.07	NO	1090.9	1090.9
2	132 PCB-184	43.52	43.52	1.306e5	1.247e5	1.050	1.05	NO	1120.3	1120.3
3	133 PCB-179	44.32	44.32	1.291e5	1.232e5	1.050	1.05	NO	1049.9	1049.9
4	134 PCB-176	44.81	44.81	1.338e5	1.268e5	1.050	1.06	NO	1075.5	1075.5
5	135 PCB-188	45.43	45.44	1.381e5	1.321e5	1.050	1.05	NO	1098.3	1098.3
6	136 PCB-178	45.95	45.95	9.126e4	8.720e4	1.050	1.05	NO	1021.9	1021.9
7	137 PCB-175	46.31	46.31	9.477e4	9.332e4	1.050	1.07	NO	1067.4	1067.4



Dataset: Untitled

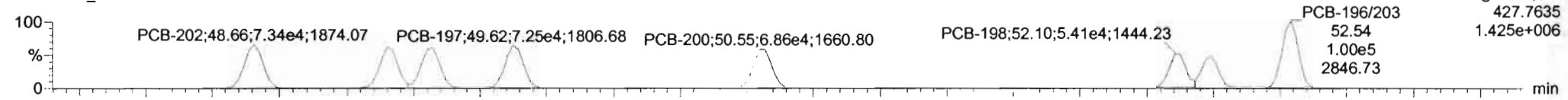
Last Altered: Monday, October 26, 2020 14:15:04 Pacific Daylight Time

Printed: Monday, October 26, 2020 14:15:20 Pacific Daylight Time

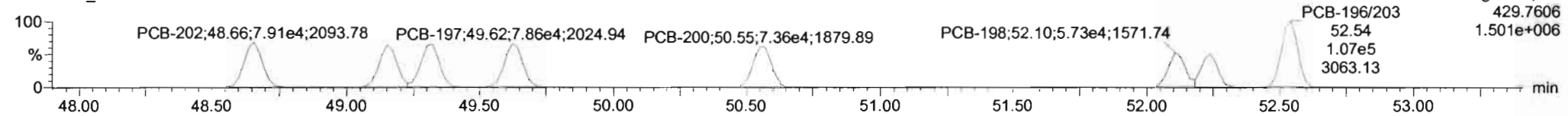
Name: 201026K1\_2, Date: 26-Oct-2020, Time: 10:33:32, ID: B0J0186-BS1 OPR 5, Description: OPR

**PCB-202**

201026K1\_2

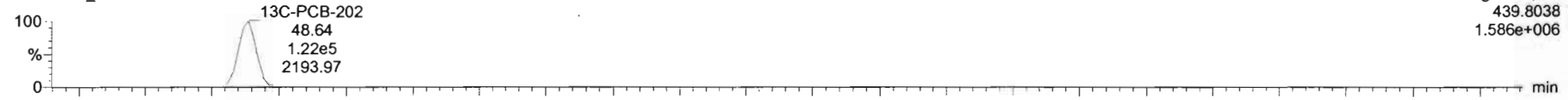


201026K1\_2

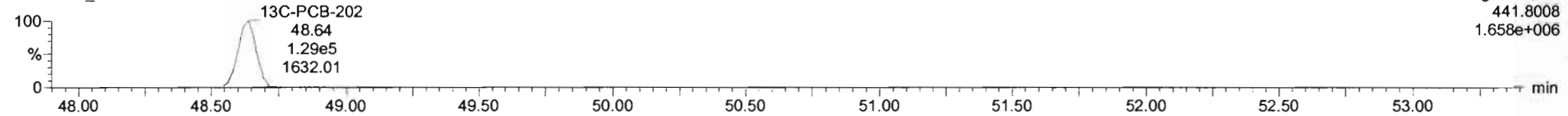


**13C-PCB-202**

201026K1\_2

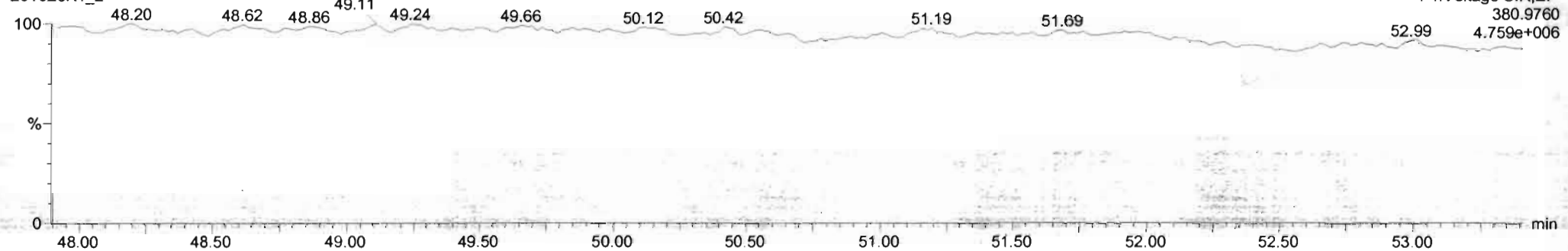


201026K1\_2



**PFK4d**

201026K1\_2



Dataset: Untitled

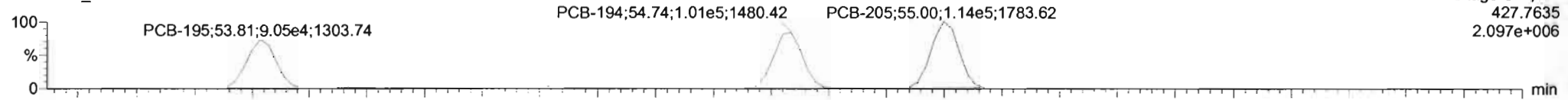
Last Altered: Monday, October 26, 2020 14:15:04 Pacific Daylight Time

Printed: Monday, October 26, 2020 14:15:20 Pacific Daylight Time

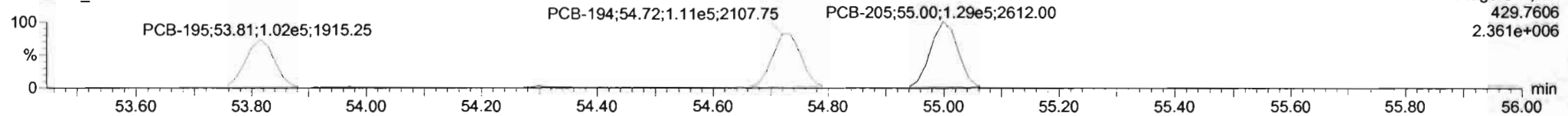
Name: 201026K1\_2, Date: 26-Oct-2020, Time: 10:33:32, ID: B0J0186-BS1 OPR 5, Description: OPR

**PCB-195**

201026K1\_2

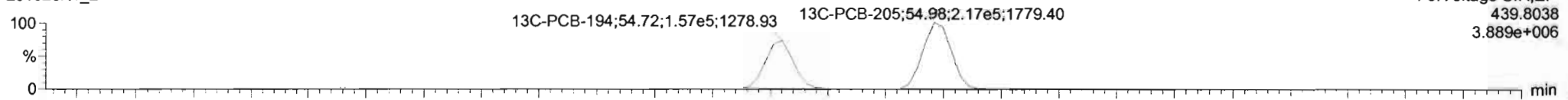


201026K1\_2

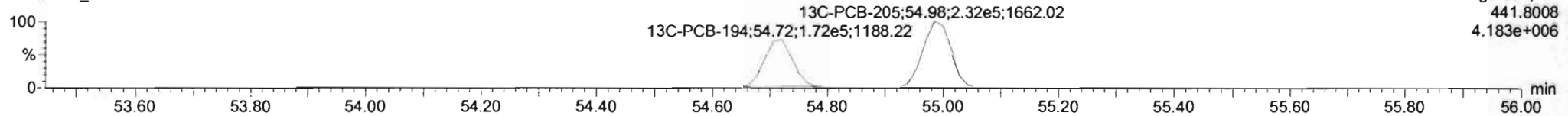


**13C-PCB-194**

201026K1\_2

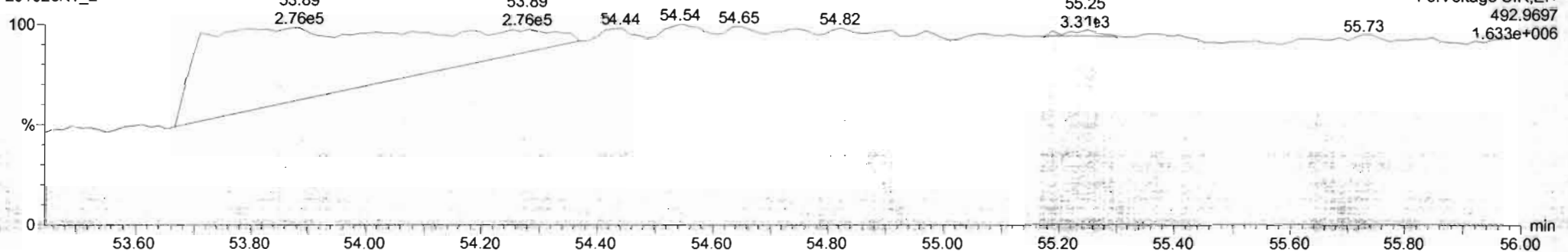


201026K1\_2



**PFK5a**

201026K1\_2





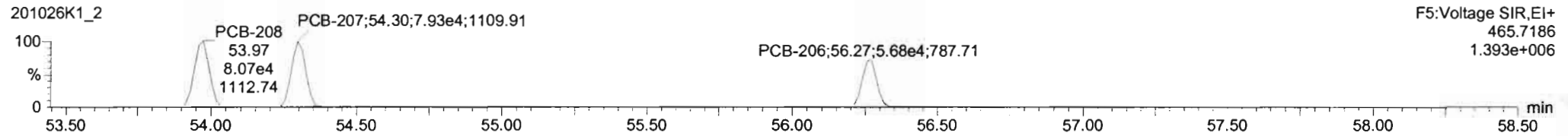
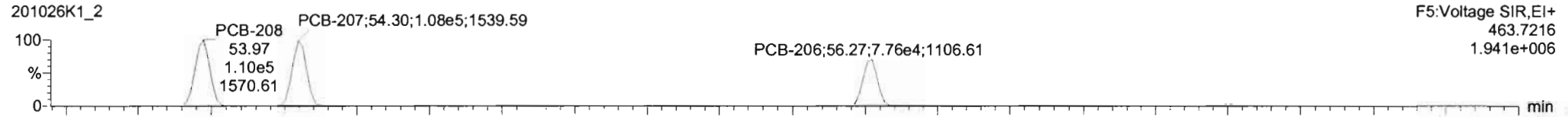
Dataset: Untitled

Last Altered: Monday, October 26, 2020 14:15:04 Pacific Daylight Time

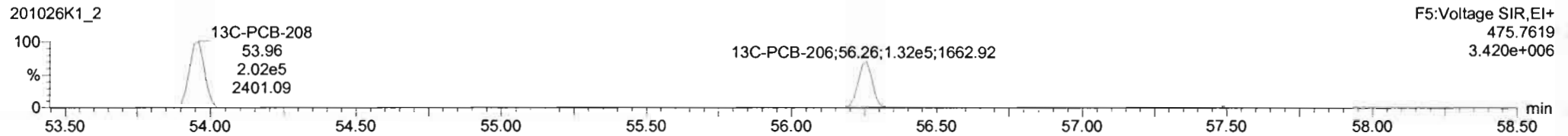
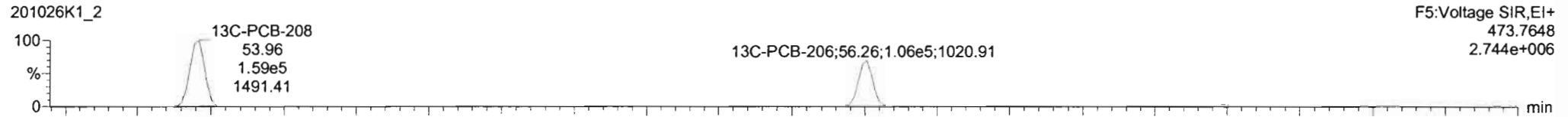
Printed: Monday, October 26, 2020 14:15:20 Pacific Daylight Time

Name: 201026K1\_2, Date: 26-Oct-2020, Time: 10:33:32, ID: B0J0186-BS1 OPR 5, Description: OPR

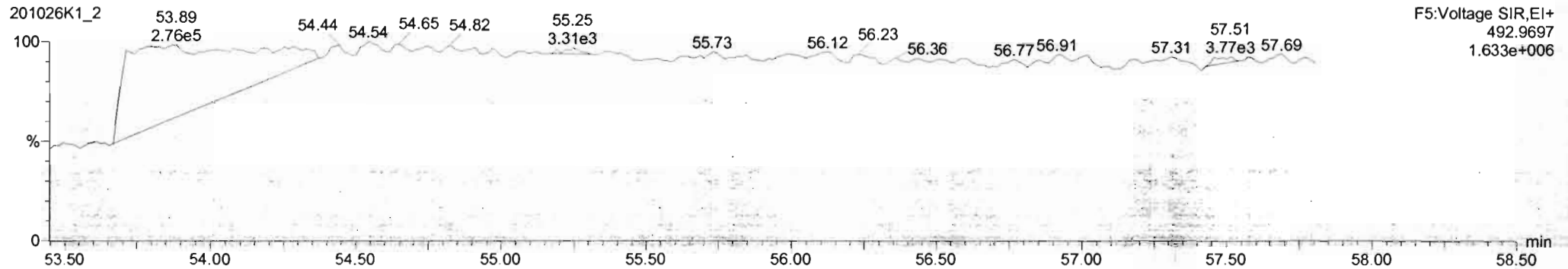
**PCB-208**



**13C-PCB-208**



**PFK5**



Dataset: Untitled

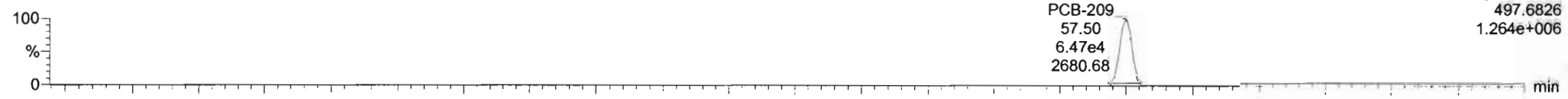
Last Altered: Monday, October 26, 2020 14:15:04 Pacific Daylight Time

Printed: Monday, October 26, 2020 14:15:20 Pacific Daylight Time

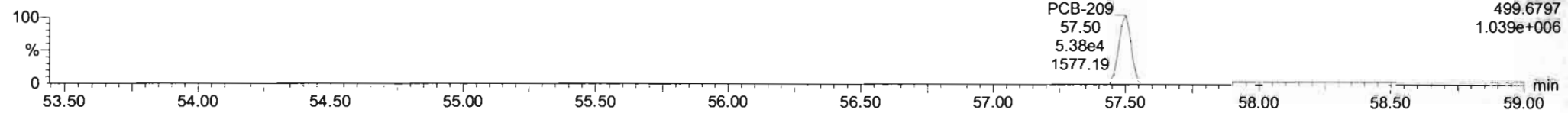
Name: 201026K1\_2, Date: 26-Oct-2020, Time: 10:33:32, ID: B0J0186-BS1 OPR 5, Description: OPR

**PCB-209**

201026K1\_2

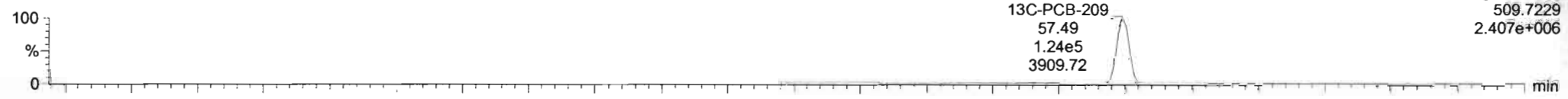


201026K1\_2

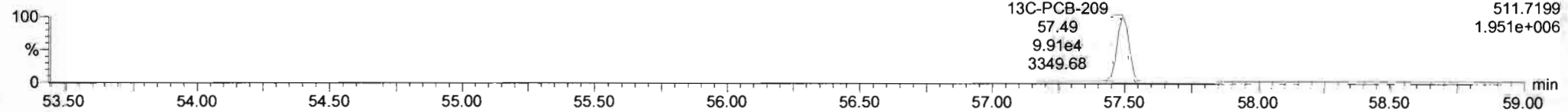


**13C-PCB-209**

201026K1\_2

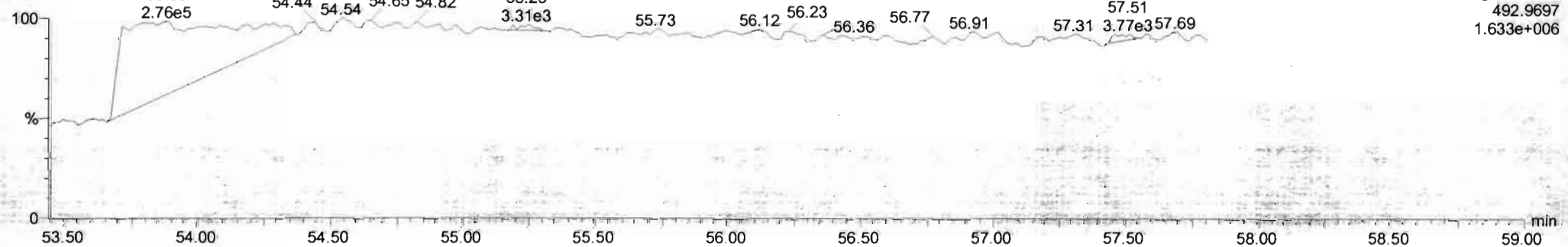


201026K1\_2



**PFK5b**

201026K1\_2



Dataset: U:\VG11.PRO\Results\201026K2\201026K2-7.qld

Last Altered: Monday, November 09, 2020 3:01:52 PM Pacific Standard Time

Printed: Monday, November 09, 2020 3:08:47 PM Pacific Standard Time

*hy 11-09-2020*

*CT 11/10/2020*

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_10-24-20.mdb 24 Oct 2020 13:45:57

Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-6-1-20.cdb 02 Jun 2020 10:21:16

Name: 201026K2\_7, Date: 27-Oct-2020, Time: 03:46:01, ID: 2002132-01 USMPDI-055SG-201006 13.76, Description: USMPDI-055SG-201006

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1	1.93e3	2.73	NO	1.17	5.035	15.59	15.59	1.001	1.001	NO	3.685		0.341	3.685
2	2 PCB-2	3.89e3	2.95	NO	1.18	5.035	18.01	18.01	0.988	0.988	NO	7.052		0.344	7.052
3	3 PCB-3	1.92e3	3.03	NO	1.15	5.035	18.23	18.24	1.001	1.001	NO	3.587		0.354	3.587
4	4 PCB-4/10	6.31e3	1.34	NO	1.25	5.035	19.66	19.60	1.004	1.001	NO	12.62		1.09	12.62
5	5 PCB-7/9			NO	0.960	5.035	21.46		1.003		YES			0.803	
6	6 PCB-6	4.36e3	1.59	NO	1.02	5.035	22.11	22.11	1.033	1.033	NO	6.099		0.754	6.099
7	7 PCB-5/8	1.47e4	1.73	NO	0.992	5.035	22.52	22.51	1.052	1.052	NO	21.18		0.777	21.18
8	8 PCB-14			NO	1.02	5.035	23.65		0.951		YES			0.803	
9	9 PCB-11	2.59e4	1.57	NO	1.13	5.035	24.88	24.88	1.001	1.001	NO	32.49		0.725	32.49
10	10 PCB-12/13	2.67e3	1.47	NO	1.03	5.035	25.31	25.25	1.018	1.016	NO	3.682		0.795	3.682
11	11 PCB-15	1.58e4	1.50	NO	1.03	5.035	25.60	25.60	1.030	1.030	NO	21.56		0.789	21.56
12	12 PCB-19	3.77e3	1.13	NO	1.11	5.035	23.85	23.84	1.001	1.001	NO	11.85		0.958	11.85
13	13 PCB-30			NO	1.79	5.035	24.75		1.039		YES			0.591	
14	14 PCB-18	1.34e4	1.05	NO	0.818	5.035	25.52	25.52	0.952	0.952	NO	36.80		0.818	36.80
15	15 PCB-17	6.90e3	1.06	NO	0.758	5.035	25.70	25.70	0.959	0.959	NO	20.37		0.882	20.37
16	16 PCB-24/27	1.99e3	1.06	NO	1.08	5.035	26.30	26.29	0.981	0.981	NO	4.124		0.618	4.124
17	17 PCB-16/32	1.02e4	1.00	NO	0.925	5.035	26.83	26.83	1.001	1.001	NO	24.78		0.723	24.78
18	18 PCB-34			NO	0.945	5.035	27.64		0.959		YES			0.696	
19	19 PCB-23			NO	0.883	5.035	27.73		0.962		YES			0.746	
20	20 PCB-29			NO	0.893	5.035	27.99		0.971		YES			0.738	
21	21 PCB-26	9.20e3	1.15	NO	0.944	5.035	28.22	28.22	0.979	0.979	NO	13.68		0.698	13.68
22	22 PCB-25	7.26e3	1.07	NO	0.950	5.035	28.37	28.39	0.984	0.985	NO	10.72		0.693	10.72
23	23 PCB-31	4.81e4	1.03	NO	1.04	5.035	28.75	28.74	0.997	0.997	NO	65.12		0.635	65.12
24	24 PCB-28	5.58e4	1.10	NO	1.03	5.035	28.85	28.85	1.001	1.001	NO	76.33		0.642	76.33
25	25 PCB-20/21/33	2.52e4	1.14	NO	0.941	5.035	29.49	29.50	1.023	1.023	NO	37.53		0.700	37.53
26	26 PCB-22	1.57e4	1.07	NO	0.973	5.035	29.93	29.93	1.038	1.038	NO	22.64		0.677	22.64
27	27 PCB-36			NO	1.08	5.035	30.58		0.931		YES			0.621	
28	28 PCB-39			NO	0.988	5.035	31.08		0.947		YES			0.676	
29	29 PCB-38			NO	1.05	5.035	31.86		0.970		YES			0.635	
30	30 PCB-35			NO	1.04	5.035	32.41		0.987		YES			0.640	

Dataset: U:\VG11.PRO\Results\201026K2\201026K2-7.qld

Last Altered: Monday, November 09, 2020 3:01:52 PM Pacific Standard Time

Printed: Monday, November 09, 2020 3:08:47 PM Pacific Standard Time

Name: 201026K2\_7, Date: 27-Oct-2020, Time: 03:46:01, ID: 2002132-01 USMPDI-055SG-201006 13.76, Description: USMPDI-055SG-201006

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
31	31 PCB-37	1.69e4	1.09	NO	1.01	5.035	32.85	32.85	1.001	1.001	NO	24.07		0.662	24.07
32	32 PCB-54	1.23e3	0.82	NO	1.08	5.035	27.68	27.68	1.001	1.001	NO	2.810		0.399	2.810
33	33 PCB-50	2.76e2	1.15	YES	0.880	5.035	28.89	28.89	1.044	1.044	NO	0.7757		0.488	0.6400
34	34 PCB-53	6.78e3	0.76	NO	0.997	5.035	29.56	29.56	0.944	0.944	NO	19.79		0.517	19.79
35	35 PCB-51	4.34e3	0.72	NO	1.07	5.035	29.92	29.91	0.955	0.955	NO	11.85		0.484	11.85
36	36 PCB-45	3.47e3	0.83	NO	0.858	5.035	30.36	30.36	0.969	0.969	NO	11.77		0.601	11.77
37	37 PCB-46	1.70e3	0.89	NO	0.831	5.035	30.86	30.86	0.985	0.985	NO	5.965		0.621	5.965
38	38 PCB-52/69	5.20e4	0.78	NO	1.17	5.035	31.36	31.34	1.001	1.001	NO	129.7		0.442	129.7
39	39 PCB-73	4.67e2	0.64	YES	1.44	5.035	31.48	31.49	1.005	1.005	NO	0.9417		0.357	0.8475
40	40 PCB-43/49	3.55e4	0.76	NO	1.02	5.035	31.65	31.66	1.010	1.011	NO	101.7		0.507	101.7
41	41 PCB-47	2.04e4	0.84	NO	0.922	5.035	31.88	31.88	1.001	1.001	NO	58.95		0.541	58.95
42	42 PCB-48/75	6.50e3	0.85	NO	1.12	5.035	32.00	32.00	1.004	1.004	NO	15.47		0.445	15.47
43	43 PCB-65			NO	1.28	5.035	32.28		1.013		YES			0.389	
44	44 PCB-62			NO	1.13	5.035	32.37		1.016		YES			0.442	
45	45 PCB-44	2.88e4	0.75	NO	0.824	5.035	32.70	32.68	1.026	1.026	NO	92.97		0.605	92.97
46	46 PCB-42/59	1.21e4	0.81	NO	1.05	5.035	32.93	32.92	1.033	1.033	NO	30.69		0.475	30.69
47	47 PCB-41/64/71/72	3.59e4	0.79	NO	1.19	5.035	33.54	33.52	1.053	1.052	NO	80.59		0.420	80.59
48	48 PCB-68	9.47e2	0.73	NO	1.28	5.035	33.80	33.78	1.061	1.060	NO	1.974		0.390	1.974
49	49 PCB-40	4.41e3	0.80	NO	0.602	5.035	34.02	34.01	1.067	1.067	NO	19.50		0.828	19.50
50	50 PCB-57	5.30e2	0.44	YES	1.16	5.035	34.38	34.40	0.969	0.970	NO	1.041		0.350	0.7329
51	51 PCB-67	1.50e3	0.79	NO	1.08	5.035	34.69	34.69	0.978	0.978	NO	3.160		0.375	3.160
52	52 PCB-58	4.44e2	0.64	YES	1.20	5.035	34.82	34.81	0.982	0.981	NO	0.8428		0.388	0.7594
53	53 PCB-63	2.47e3	0.75	NO	1.07	5.035	34.97	34.97	0.986	0.986	NO	5.269		0.379	5.269
54	54 PCB-74	2.69e4	0.82	NO	1.19	5.035	35.28	35.27	0.994	0.994	NO	51.82		0.343	51.82
55	55 PCB-61/70	6.69e4	0.81	NO	1.05	5.035	35.49	35.49	1.000	1.001	NO	145.1		0.386	145.1
56	56 PCB-76/66	5.82e4	0.81	NO	1.16	5.035	35.68	35.70	1.006	1.006	NO	114.3		0.349	114.3
57	57 PCB-80			NO	1.19	5.035	35.93		1.001		YES			0.336	
58	58 PCB-55	8.77e2	0.69	NO	1.17	5.035	36.26	36.26	1.010	1.010	NO	1.639		0.342	1.639
59	59 PCB-56/60	3.15e4	0.78	NO	1.02	5.035	36.75	36.76	1.024	1.024	NO	67.68		0.392	67.68
60	60 PCB-79	1.48e3	0.58	YES	1.14	5.035	37.88	37.89	1.055	1.055	NO	2.847		0.351	2.411
61	61 PCB-78			NO	1.14	5.035	38.58		0.987		YES			0.359	
62	62 PCB-81	2.65e2	0.39	YES	1.05	5.035	39.12	39.14	1.000	1.001	NO	0.5780		0.389	0.3713
63	63 PCB-77	6.77e3	0.86	NO	1.14	5.035	39.74	39.76	1.000	1.001	NO	13.61		0.379	13.61

Dataset: U:\VG11.PRO\Results\201026K2\201026K2-7.qld

Last Altered: Monday, November 09, 2020 3:01:52 PM Pacific Standard Time  
Printed: Monday, November 09, 2020 3:08:47 PM Pacific Standard Time

Name: 201026K2\_7, Date: 27-Oct-2020, Time: 03:46:01, ID: 2002132-01 USMPDI-055SG-201006 13.76, Description: USMPDI-055SG-201006

	# Name	Resp	RA	n/y	RRF	w/vol.	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
64	64 PCB-104			NO	1.12	5.035	32.55		1.001		YES			0.484	
65	65 PCB-96	5.81e2	1.55	NO	1.15	5.035	33.86	33.84	1.041	1.040	NO	1.982		0.471	1.982
66	66 PCB-103	1.63e3	1.79	NO	0.936	5.035	34.41	34.40	1.058	1.057	NO	6.856		0.580	6.856
67	67 PCB-100	1.38e3	1.67	NO	0.954	5.035	34.79	34.77	1.069	1.069	NO	5.681		0.570	5.681
68	68 PCB-94	4.51e2	0.67	YES	0.949	5.035	35.25	35.25	0.985	0.985	NO	2.304		0.706	1.516
69	69 PCB-95/98/102	3.59e4	1.61	NO	1.20	5.035	35.72	35.79	0.999	1.001	NO	144.8		0.556	144.8
70	70 PCB-93	7.30e2	1.70	NO	0.935	5.035	35.87	35.87	1.003	1.003	NO	3.790		0.716	3.790
71	71 PCB-88/91	7.91e3	1.41	NO	1.06	5.035	36.20	36.22	1.012	1.012	NO	36.04		0.629	36.04
72	72 PCB-121			NO	1.71	5.035	36.31		1.015		YES			0.392	
73	73 PCB-84/92	2.08e4	1.51	NO	1.02	5.035	37.15	37.15	0.990	0.990	NO	98.54		0.639	98.54
74	74 PCB-89	5.12e2	1.53	NO	1.11	5.035	37.34	37.35	0.995	0.996	NO	2.231		0.589	2.231
75	75 PCB-90/101	5.92e4	1.55	NO	1.12	5.035	37.53	37.54	1.000	1.001	NO	253.8		0.579	253.8
76	76 PCB-113			NO	1.51	5.035	37.78		1.007		YES			0.430	
77	77 PCB-99	2.82e4	1.55	NO	1.32	5.035	37.88	37.88	1.010	1.009	NO	102.8		0.492	102.8
78	78 PCB-119	2.75e3	1.54	NO	1.81	5.035	38.36	38.36	0.987	0.987	NO	8.152		0.408	8.152
79	79 PCB-108/112	2.60e3	1.37	NO	1.44	5.035	38.52	38.53	0.991	0.991	NO	9.625		0.510	9.625
80	80 PCB-83			NO	1.83	5.035	38.69		0.996		YES			0.403	
81	81 PCB-97	1.36e4	1.49	NO	1.28	5.035	38.88	38.90	1.000	1.001	NO	56.83		0.575	56.83
82	82 PCB-86			NO	1.12	5.035	39.05		1.005		YES			0.660	
83	83 PCB-87/117/125	1.86e4	1.55	NO	1.56	5.035	39.17	39.18	1.008	1.008	NO	63.74		0.473	63.74
84	84 PCB-111/115	1.40e3	1.67	NO	1.91	5.035	39.33	39.33	1.012	1.012	NO	3.911		0.386	3.911
85	85 PCB-85/116	8.34e3	1.58	NO	1.41	5.035	39.46	39.44	1.015	1.015	NO	31.57		0.523	31.57
86	86 PCB-120	3.99e2	0.92	YES	2.01	5.035	39.72	39.72	1.022	1.022	NO	1.062		0.308	0.8345
87	87 PCB-110	6.86e4	1.57	NO	1.74	5.035	39.87	39.87	1.026	1.026	NO	210.4		0.423	210.4
88	88 PCB-82	4.56e3	1.63	NO	0.781	5.035	40.50	40.50	0.975	0.975	NO	23.49		0.721	23.49
89	89 PCB-124	2.52e3	1.40	NO	1.40	5.035	41.21	41.22	0.993	0.993	NO	7.253		0.403	7.253
90	90 PCB-107/109	5.52e3	1.79	NO	1.34	5.035	41.35	41.37	0.996	0.996	NO	16.56		0.420	16.56
91	91 PCB-123	8.17e2	1.44	NO	1.20	5.035	41.54	41.54	1.000	1.000	NO	2.744		0.470	2.744
92	92 PCB-106/118	5.94e4	1.57	NO	1.22	5.035	41.75	41.73	1.001	1.000	NO	191.0		0.452	191.0
93	93 PCB-114	2.49e3	1.50	NO	1.14	5.035	42.41	42.38	1.000	1.000	NO	4.451		0.366	4.451
94	94 PCB-122	1.14e3	1.55	NO	0.944	5.035	42.55	42.54	1.004	1.004	NO	2.461		0.443	2.461
95	95 PCB-105	3.96e4	1.53	NO	1.05	5.035	43.29	43.29	1.000	1.000	NO	77.03		0.415	77.03
96	96 PCB-127			NO	1.06	5.035	43.63		1.000		YES			0.373	

Dataset: U:\VG11.PRO\Results\201026K2\201026K2-7.qld

Last Altered: Monday, November 09, 2020 3:01:52 PM Pacific Standard Time

Printed: Monday, November 09, 2020 3:08:47 PM Pacific Standard Time

Name: 201026K2\_7, Date: 27-Oct-2020, Time: 03:46:01, ID: 2002132-01 USMPDI-055SG-201006 13.76, Description: USMPDI-055SG-201006

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
97	97 PCB-126	7.46e2	0.84	YES	1.17	5.035	45.61	45.61	1.000	1.000	NO	1.358		0.391	1.020
98	98 PCB-155			NO	1.04	5.035	37.07		1.000		YES			0.547	
99	99 PCB-150	1.85e2	1.28	NO	1.08	5.035	38.38	38.36	1.036	1.035	NO	1.104		0.527	1.104
100	1... PCB-152			NO	1.19	5.035	38.86		1.049		YES			0.482	
101	1... PCB-145			NO	1.19	5.035	39.33		1.061		YES			0.481	
102	1... PCB-136	7.15e3	1.42	NO	1.02	5.035	39.66	39.66	1.070	1.070	NO	45.36		0.560	45.36
103	1... PCB-148	2.97e2	2.16	YES	0.842	5.035	39.76	39.77	1.073	1.073	NO	2.264		0.679	1.619
104	1... PCB-154	1.39e3	1.47	YES	0.919	5.035	40.28	40.28	1.087	1.087	NO	9.817		0.822	8.909
105	1... PCB-151	9.45e3	1.52	YES	0.787	5.035	40.95	40.94	1.105	1.105	NO	77.66		0.726	69.24
106	1... PCB-135	4.90e3	1.35	NO	0.922	5.035	41.17	41.17	1.111	1.111	NO	34.40		0.620	34.40
107	1... PCB-144	1.66e3	1.57	YES	0.789	5.035	41.28	41.28	1.114	1.114	NO	13.66		0.724	11.88
108	1... PCB-147	1.17e3	1.42	NO	0.834	5.035	41.41	41.41	1.117	1.118	NO	9.089		0.685	9.089
109	1... PCB-139/149	3.07e4	1.16	NO	0.948	5.035	41.70	41.67	1.125	1.125	NO	210.2		0.603	210.2
110	1... PCB-140	3.95e2	1.14	NO	0.794	5.035	41.88	41.86	1.130	1.130	NO	3.227		0.720	3.227
111	1... PCB-134/143	3.88e3	1.07	NO	0.759	5.035	42.33	42.35	0.974	0.975	NO	14.41		0.513	14.41
112	1... PCB-131/133	3.23e3	1.39	NO	0.821	5.035	42.65	42.63	0.982	0.981	NO	11.10		0.474	11.10
113	1... PCB-142			NO	0.754	5.035	42.81		0.985		YES			0.516	
114	1... PCB-146/165	2.05e4	1.20	NO	1.02	5.035	43.05	43.05	0.991	0.991	NO	56.79		0.383	56.79
115	1... PCB-132/161	2.58e4	1.29	NO	1.02	5.035	43.29	43.31	0.997	0.997	NO	71.02		0.380	71.02
116	1... PCB-153	1.08e5	1.27	NO	1.07	5.035	43.46	43.47	1.000	1.000	NO	283.9		0.364	283.9
117	1... PCB-168			NO	1.08	5.035	43.69		1.006		YES			0.361	
118	1... PCB-141	1.64e4	1.24	NO	1.03	5.035	44.22	44.22	1.000	1.000	NO	55.15		0.455	55.15
119	1... PCB-137	3.21e3	1.21	NO	1.11	5.035	44.62	44.62	1.009	1.009	NO	9.978		0.421	9.978
120	1... PCB-130	5.36e3	1.38	NO	0.885	5.035	44.71	44.72	1.012	1.012	NO	20.87		0.528	20.87
121	1... PCB-138/163/164	1.09e5	1.28	NO	1.28	5.035	45.09	45.10	1.001	1.001	NO	288.9		0.370	288.9
122	1... PCB-158/160	1.01e4	1.23	NO	1.24	5.035	45.36	45.34	1.007	1.006	NO	27.55		0.382	27.55
123	1... PCB-129	2.79e3	1.33	NO	0.867	5.035	45.59	45.61	1.012	1.012	NO	10.91		0.547	10.91
124	1... PCB-166	4.04e2	1.09	NO	1.14	5.035	46.08	46.08	0.993	0.993	NO	0.9748		0.335	0.9748
125	1... PCB-159			NO	1.22	5.035	46.43		1.001		YES			0.315	
126	1... PCB-128/162	1.28e4	1.27	NO	0.907	5.035	46.71	46.69	1.007	1.006	NO	38.81		0.422	38.81
127	1... PCB-167	4.36e3	1.15	NO	1.11	5.035	47.12	47.12	1.000	1.000	NO	10.77		0.335	10.77
128	1... PCB-156	1.01e4	1.23	NO	1.13	5.035	48.45	48.45	1.000	1.000	NO	25.26		0.347	25.26
129	1... PCB-157	1.94e3	1.39	NO	1.04	5.035	48.73	48.73	1.000	1.000	NO	5.300		0.392	5.300

Dataset: U:\VG11.PRO\Results\201026K2\201026K2-7.qld

Last Altered: Monday, November 09, 2020 3:01:52 PM Pacific Standard Time  
Printed: Monday, November 09, 2020 3:08:47 PM Pacific Standard Time

Name: 201026K2\_7, Date: 27-Oct-2020, Time: 03:46:01, ID: 2002132-01 USMPDI-055SG-201006 13.76, Description: USMPDI-055SG-201006

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
130	1... PCB-169			NO	1.16	5.035	51.01		1.000		YES			0.370	
131	1... PCB-188			NO	1.29	5.035	43.09		1.001		YES			0.372	
132	1... PCB-184	1.74e2	0.98	NO	1.23	5.035	43.54	43.50	1.011	1.011	NO	0.5755		0.389	0.5755
133	1... PCB-179	1.31e4	1.03	NO	1.30	5.035	44.34	44.34	1.030	1.030	NO	41.09		0.370	41.09
134	1... PCB-176	3.73e3	0.92	NO	1.31	5.035	44.83	44.81	1.041	1.041	NO	11.62		0.367	11.62
135	1... PCB-186			NO	1.33	5.035	45.45		1.056		YES			0.361	
136	1... PCB-178	5.06e3	0.99	NO	0.943	5.035	45.97	45.97	1.068	1.068	NO	21.88		0.509	21.88
137	1... PCB-175	8.98e2	1.33	YES	0.956	5.035	46.33	46.31	1.076	1.076	NO	3.882		0.502	3.377
138	1... PCB-182/187	3.29e4	1.06	NO	1.07	5.035	46.50	46.48	1.080	1.080	NO	126.0		0.450	126.0
139	1... PCB-183	1.27e4	1.02	NO	1.02	5.035	46.82	46.82	1.088	1.088	NO	50.75		0.469	50.75
140	1... PCB-185	2.93e3	1.35	YES	1.41	5.035	47.50	47.50	0.955	0.955	NO	12.12		0.485	10.58
141	1... PCB-174	2.14e4	1.11	NO	1.35	5.035	47.87	47.88	0.962	0.962	NO	92.02		0.514	92.02
142	1... PCB-181	5.91e2	1.17	NO	1.47	5.035	47.98	47.96	0.964	0.964	NO	2.330		0.472	2.330
143	1... PCB-177	1.32e4	1.03	NO	1.28	5.035	48.16	48.16	0.968	0.968	NO	60.20		0.545	60.20
144	1... PCB-171	5.59e3	0.91	NO	1.32	5.035	48.47	48.45	0.974	0.974	NO	24.68		0.529	24.68
145	1... PCB-173	4.49e2	1.07	NO	1.19	5.035	48.89	48.90	0.983	0.983	NO	2.195		0.585	2.195
146	1... PCB-172	3.66e3	1.07	NO	1.38	5.035	49.36	49.36	0.992	0.992	NO	15.48		0.506	15.48
147	1... PCB-192			NO	1.83	5.035	49.57		0.996		YES			0.381	
148	1... PCB-180	5.01e4	1.01	NO	1.41	5.035	49.77	49.77	1.000	1.000	NO	206.3		0.493	206.3
149	1... PCB-193	3.29e3	1.00	NO	1.68	5.035	49.99	49.98	1.005	1.005	NO	11.40		0.415	11.40
150	1... PCB-191	9.36e2	1.16	NO	1.71	5.035	50.25	50.25	1.010	1.010	NO	3.183		0.407	3.183
151	1... PCB-170	1.85e4	1.16	NO	1.40	5.035	51.44	51.44	1.000	1.000	NO	90.44		0.564	90.44
152	1... PCB-190	5.06e3	1.19	NO	1.85	5.035	51.65	51.63	1.005	1.004	NO	18.74		0.427	18.74
153	1... PCB-189	9.35e2	1.15	NO	1.45	5.035	53.13	53.13	1.000	1.000	NO	3.488		0.401	3.488
154	1... PCB-202	2.26e3	0.87	NO	1.17	5.035	48.68	48.67	1.001	1.001	NO	10.91		0.520	10.91
155	1... PCB-201	1.67e3	0.87	NO	1.05	5.035	49.15	49.17	1.010	1.011	NO	8.950		0.577	8.950
156	1... PCB-204			NO	1.14	5.035	49.30		1.014		YES			0.532	
157	1... PCB-197	4.04e2	0.87	NO	1.13	5.035	49.61	49.64	1.020	1.021	NO	2.008		0.536	2.008
158	1... PCB-200	1.43e3	0.77	NO	1.07	5.035	50.55	50.57	1.039	1.040	NO	7.532		0.567	7.532
159	1... PCB-198	4.26e2	1.69	YES	0.794	5.035	52.10	52.12	1.071	1.072	NO	3.020		0.785	2.118
160	1... PCB-199	7.78e3	1.01	NO	0.809	5.035	52.24	52.24	1.074	1.074	NO	54.15		0.750	54.15
161	1... PCB-196/203	9.15e3	0.97	NO	0.838	5.035	52.53	52.54	1.080	1.080	NO	61.48		0.724	61.48
162	1... PCB-195	5.52e3	0.88	NO	1.04	5.035	53.83	53.81	0.984	0.983	NO	21.95		0.560	21.95

Dataset: U:\VG11.PRO\Results\201026K2\201026K2-7.qld

Last Altered: Monday, November 09, 2020 3:01:52 PM Pacific Standard Time  
Printed: Monday, November 09, 2020 3:08:47 PM Pacific Standard Time

Name: 201026K2\_7, Date: 27-Oct-2020, Time: 03:46:01, ID: 2002132-01 USMPDI-055SG-201006 13.76, Description: USMPDI-055SG-201006

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
163	1... PCB-194	1.41e4	0.85	NO	1.12	5.035	54.74	54.74	1.000	1.000	NO	52.43		0.524	52.43
164	1... PCB-205	5.62e2	0.82	NO	1.29	5.035	55.01	55.00	1.005	1.005	NO	1.810		0.453	1.810
165	1... PCB-208	2.54e3	1.21	NO	0.933	5.035	53.98	53.97	1.000	1.000	NO	10.56		0.310	10.56
166	1... PCB-207	1.14e3	1.54	YES	0.916	5.035	54.30	54.31	1.006	1.007	NO	4.848		0.346	4.461
167	1... PCB-206	5.81e3	1.33	NO	1.01	5.035	56.27	56.27	1.000	1.000	NO	31.80		0.403	31.80
168	1... PCB-209	8.41e3	1.23	NO	0.986	5.035	57.49	57.50	1.000	1.000	NO	49.42		0.347	49.42
169	1... 13C-PCB-1	8.91e5	3.24	NO	0.893	5.035	15.58	15.58	0.609	0.609	NO	1038	52.2	1.27	
170	1... 13C-PCB-3	9.26e5	3.43	NO	0.911	5.035	18.22	18.22	0.712	0.712	NO	1057	53.2	1.24	
171	1... 13C-PCB-4	7.95e5	1.62	NO	0.600	5.035	19.59	19.58	0.766	0.765	NO	1378	69.4	0.837	
172	1... 13C-PCB-9	1.39e6	1.64	NO	0.970	5.035	21.40	21.40	0.837	0.837	NO	1487	74.9	0.518	
173	1... 13C-PCB-11	1.40e6	1.63	NO	0.962	5.035	24.86	24.86	0.972	0.972	NO	1518	76.5	0.523	
174	1... 13C-PCB-19	5.70e5	1.04	NO	0.499	5.035	23.82	23.82	0.931	0.931	NO	1189	59.9	7.39	
175	1... 13C-PCB-32	8.87e5	1.05	NO	0.744	5.035	26.81	26.81	1.048	1.048	NO	1240	62.4	4.96	
176	1... 13C-PCB-28	1.42e6	1.09	NO	1.06	5.035	28.83	28.83	1.004	1.004	NO	1550	78.0	5.58	
177	1... 13C-PCB-37	1.38e6	1.09	NO	0.989	5.035	32.81	32.83	1.143	1.143	NO	1626	81.9	6.00	
178	1... 13C-PCB-54	8.03e5	0.81	NO	0.999	5.035	27.65	27.66	0.753	0.753	NO	1472	74.1	1.47	
179	1... 13C-PCB-52	6.82e5	0.79	NO	0.804	5.035	31.32	31.33	0.853	0.853	NO	1555	78.3	1.83	
180	1... 13C-PCB-47	7.45e5	0.81	NO	0.857	5.035	31.85	31.86	0.867	0.867	NO	1593	80.2	1.72	
181	1... 13C-PCB-70	8.69e5	0.82	NO	0.996	5.035	35.47	35.47	0.965	0.966	NO	1599	80.5	1.48	
182	1... 13C-PCB-80	9.09e5	0.80	NO	1.03	5.035	35.91	35.90	0.977	0.977	NO	1621	81.6	1.43	
183	1... 13C-PCB-81	8.74e5	0.80	NO	0.988	5.035	39.10	39.10	1.064	1.064	NO	1621	81.6	1.49	
184	1... 13C-PCB-77	8.69e5	0.81	NO	0.969	5.035	39.72	39.72	1.081	1.081	NO	1643	82.8	1.52	
185	1... 13C-PCB-104	5.04e5	1.66	NO	1.02	5.035	32.49	32.53	0.827	0.828	NO	1596	80.4	0.857	
186	1... 13C-PCB-95	4.09e5	1.59	NO	0.805	5.035	35.75	35.77	0.910	0.910	NO	1635	82.3	1.08	
187	1... 13C-PCB-101	4.13e5	1.65	NO	0.793	5.035	37.50	37.52	0.954	0.955	NO	1675	84.3	1.10	
188	1... 13C-PCB-97	3.72e5	1.65	NO	0.696	5.035	38.84	38.86	0.988	0.989	NO	1717	86.5	1.25	
189	1... 13C-PCB-123	4.94e5	1.63	NO	0.933	5.035	41.50	41.52	1.056	1.056	NO	1702	85.7	0.933	
190	1... 13C-PCB-118	5.06e5	1.70	NO	0.986	5.035	41.69	41.71	1.061	1.061	NO	1652	83.2	0.883	
191	1... 13C-PCB-114	9.75e5	1.62	NO	1.55	5.035	42.36	42.38	0.908	0.908	NO	2020	102	1.20	
192	1... 13C-PCB-105	9.71e5	1.60	NO	1.57	5.035	43.28	43.28	0.927	0.927	NO	1979	99.7	1.18	
193	1... 13C-PCB-127	1.03e6	1.60	NO	1.62	5.035	43.61	43.62	0.935	0.935	NO	2039	103	1.14	
194	1... 13C-PCB-126	9.30e5	1.62	NO	1.57	5.035	45.57	45.59	0.976	0.977	NO	1902	95.8	1.18	
195	1... 13C-PCB-155	3.06e5	1.38	NO	0.615	5.035	37.04	37.06	0.942	0.943	NO	1604	80.8	0.507	



Dataset: U:\VG11.PRO\Results\201026K2\201026K2-7.qld

Last Altered: Monday, November 09, 2020 3:01:52 PM Pacific Standard Time

Printed: Monday, November 09, 2020 3:08:47 PM Pacific Standard Time

Name: 201026K2\_7, Date: 27-Oct-2020, Time: 03:46:01, ID: 2002132-01 USMPDI-055SG-201006 13.76, Description: USMPDI-055SG-201006

	# Name	Resp	RA	n/y	.RRF	w/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
196	1... 13C-PCB-153	7.04e5	1.25	NO	1.36	5.035	43.42	43.45	0.930	0.931	NO	1654	83.3	1.10	
197	1... 13C-PCB-141	5.76e5	1.31	NO	1.13	5.035	44.21	44.20	0.947	0.947	NO	1638	82.5	1.33	
198	1... 13C-PCB-138	5.86e5	1.25	NO	1.18	5.035	45.06	45.06	0.965	0.966	NO	1585	79.8	1.27	
199	1... 13C-PCB-159	7.21e5	1.25	NO	1.44	5.035	46.40	46.40	0.994	0.994	NO	1605	80.8	1.04	
200	2... 13C-PCB-167	7.24e5	1.28	NO	1.44	5.035	47.10	47.10	1.009	1.009	NO	1612	81.2	1.04	
201	2... 13C-PCB-156	7.06e5	1.32	NO	1.40	5.035	48.43	48.43	1.038	1.038	NO	1621	81.6	1.07	
202	2... 13C-PCB-157	7.01e5	1.28	NO	1.40	5.035	48.72	48.71	1.044	1.044	NO	1609	81.0	1.07	
203	2... 13C-PCB-169	6.62e5	1.26	NO	1.33	5.035	50.99	50.99	1.093	1.093	NO	1595	80.3	1.13	
204	2... 13C-PCB-188	4.87e5	0.46	NO	1.41	5.035	43.05	43.05	0.926	0.926	NO	1590	80.1	0.908	
205	2... 13C-PCB-180	3.41e5	0.46	NO	0.929	5.035	49.76	49.76	1.070	1.070	NO	1693	85.3	1.38	
206	2... 13C-PCB-170	2.90e5	0.45	NO	0.794	5.035	51.42	51.42	1.106	1.106	NO	1679	84.5	1.61	
207	2... 13C-PCB-189	3.66e5	0.47	NO	1.04	5.035	53.13	53.11	1.143	1.142	NO	1616	81.3	1.23	
208	2... 13C-PCB-202	3.53e5	0.95	NO	1.04	5.035	48.66	48.64	1.046	1.046	NO	1569	79.0	0.672	
209	2... 13C-PCB-194	4.79e5	0.90	NO	0.768	5.035	54.70	54.72	0.995	0.995	NO	1697	85.5	1.50	
210	2... 13C-PCB-208	5.12e5	0.80	NO	0.991	5.035	53.94	53.96	0.981	0.981	NO	1407	70.9	1.33	
211	2... 13C-PCB-206	3.60e5	0.81	NO	0.552	5.035	56.24	56.26	1.023	1.023	NO	1777	89.5	2.38	
212	2... 13C-PCB-209	3.42e5	1.22	NO	0.396	5.035	57.49	57.49	1.046	1.046	NO	2353	118	0.411	
213	2... 13C-PCB-15	1.91e6	1.64	NO	1.00	5.035	25.58	25.58	1.000	0.000	NO	1986	100	0.502	
214	2... 13C-PCB-31	1.70e6	1.10	NO	1.00	5.035	28.72	28.72	1.000	0.000	NO	1986	100	5.93	
215	2... 13C-PCB-60	1.08e6	0.81	NO	1.00	5.035	36.74	36.74	1.000	0.000	NO	1986	100	1.47	
216	2... 13C-PCB-111	6.17e5	1.64	NO	1.00	5.035	39.33	39.31	1.000	0.000	NO	1986	100	0.871	
217	2... 13C-PCB-128	6.20e5	1.32	NO	1.00	5.035	46.67	46.67	1.000	0.000	NO	1986	100	1.50	
218	2... 13C-PCB-182	4.31e5	0.47	NO	1.00	5.035	46.50	46.50	0.000	0.000	NO	1986	100	1.28	
219	2... 13C-PCB-205	7.29e5	0.94	NO	1.00	5.035	55.01	54.98	1.000	0.000	NO	1986	100	1.16	
220	2... 13C-PCB-79	1.01e6	0.79	NO	1.07	5.035	37.84	37.86	1.030	1.030	NO	1735	87.4	1.38	
221	2... 13C-PCB-178	3.61e5	0.46	NO	0.766	5.035	45.95	45.93	0.988	0.988	NO	1510	76.0	1.17	
222	2... 13C-PCB-79	1.01e6	0.79	NO	1.08	5.035	37.84	37.86	0.968	0.968	NO	2125	107	1.67	
223	2... 13C-PCB-178	3.61e5	0.46	NO	1.05	5.035	45.94	45.93	0.923	0.923	NO	1997	101	1.53	
224	2... Total Mono-PCBs				1.17	5.035	0.00		0.000		NO	14.32		1.04	14.32
225	2... Total Di-PCBs				1.05	5.035	0.00		0.000		NO	97.64		6.54	97.64
226	2... 2nd Function Tri-PCBs				1.08	5.035	0.00		0.000		NO	97.93		4.59	97.93
227	2... 3rd Function Tri-PCBs				0.983	5.035	0.00		0.000		NO	250.1	>348.03-	9.46	250.1 >348.03
228	2... Total Tetra-PCBs				1.08	5.035	0.00		0.000		NO	986.3		14.0	992.1

Dataset: U:\VG11.PRO\Results\201026K2\201026K2-7.qld

Last Altered: Monday, November 09, 2020 3:01:52 PM Pacific Standard Time

Printed: Monday, November 09, 2020 3:08:47 PM Pacific Standard Time

Name: 201026K2\_7, Date: 27-Oct-2020, Time: 03:46:01, ID: 2002132-01 USMPDI-055SG-201006 13.76, Description: USMPDI-055SG-201006

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
229	2... 3rd Function Penta-PCBs				1.32	5.035	0.00		0.000		NO	1282		15.0	1284
230	2... 4th Function Penta-PCBs				1.07	5.035	0.00		0.000		NO	83.94		1.99	84.96
231	2... 3rd Function Hexa-PCBs				0.951	5.035	0.00		0.000		NO	303.4		7.98	395.0
232	2... 4th Function Hexa-PCBs				1.03	5.035	0.00		0.000		NO	931.7		8.21	931.7
233	2... Total Hepta-PCBs				1.36	5.035	0.00		0.000		NO	782.3		10.5	796.3
234	2... 4th Function Octa-PCBs				1.00	5.035	0.00		0.000		NO	145.0		4.97	147.2
235	2... 5th Function Octa-PCBs				1.15	5.035	0.00		0.000		NO	76.19		1.54	76.19
236	2... Total Nona-PCBs				0.952	5.035	0.00		0.000		NO	42.36		1.03	46.83
237	2... Deca-CB				0.986	5.035	0.00		0.000		NO	49.42		0.347	49.42
238	2... Total PCBs														

>1368.96 -  
>1235.1 -  
>1326.72  
>221.19 -  
>223.39 -

Dataset: U:\VG11.PRO\Results\201026K2\201026K2-7.qld

Last Altered: Monday, November 09, 2020 3:01:52 PM Pacific Standard Time  
 Printed: Monday, November 09, 2020 3:07:22 PM Pacific Standard Time

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_10-24-20.mdb 24 Oct 2020 13:45:57  
 Calibration: U:\VG11.PRO\CurveDB\cb1\_PCBvg11-6-1-20.cdb 02 Jun 2020 10:21:16

ID: 2002132-01 USMPDI-055SG-201006 13.76, Description: USMPDI-055SG-201006

**Total Mono-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-1	15.59	15.59	2.149e4	6.552e3	1.414e3	5.183e2	2.73	NO	1.933e3	3.6854	3.6854	0.341
2	PCB-2	18.01	18.01	4.418e4	1.422e4	2.904e3	9.858e2	2.95	NO	3.890e3	7.0519	7.0519	0.344
3	PCB-3	18.23	18.24	2.332e4	8.383e3	1.445e3	4.767e2	3.03	NO	1.921e3	3.5875	3.5875	0.354

**Total Di-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-4/10	19.66	19.60	5.112e4	3.583e4	3.613e3	2.695e3	1.34	NO	6.308e3	12.624	12.624	1.09
2	PCB-6	22.11	22.11	3.969e4	2.466e4	2.673e3	1.685e3	1.59	NO	4.358e3	6.0987	6.0987	0.754
3	PCB-5/8	22.52	22.51	1.381e5	8.523e4	9.295e3	5.383e3	1.73	NO	1.468e4	21.184	21.184	0.777
4	PCB-11	24.88	24.88	2.400e5	1.447e5	1.580e4	1.007e4	1.57	NO	2.587e4	32.490	32.490	0.725
5	PCB-12/13	25.31	25.25	2.226e4	1.551e4	1.588e3	1.084e3	1.47	NO	2.672e3	3.6817	3.6817	0.795
6	PCB-15	25.60	25.60	1.482e5	9.704e4	9.466e3	6.304e3	1.50	NO	1.577e4	21.557	21.557	0.789

**2nd Function Tri-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-19	23.85	23.84	2.925e4	2.651e4	1.998e3	1.768e3	1.13	NO	3.766e3	11.854	11.854	0.958
2	PCB-18	25.52	25.52	1.115e5	1.038e5	6.874e3	6.569e3	1.05	NO	1.344e4	36.801	36.801	0.818
3	PCB-17	25.70	25.70	5.586e4	5.235e4	3.544e3	3.358e3	1.06	NO	6.902e3	20.373	20.373	0.882
4	PCB-24/27	26.30	26.29	1.280e4	1.313e4	1.028e3	9.659e2	1.06	NO	1.993e3	4.1241	4.1241	0.618
5	PCB-16/32	26.83	26.83	5.472e4	5.327e4	5.129e3	5.114e3	1.00	NO	1.024e4	24.777	24.777	0.723

Dataset: U:\VG11.PRO\Results\201026K2\201026K2-7.qld

Last Altered: Monday, November 09, 2020 3:01:52 PM Pacific Standard Time

Printed: Monday, November 09, 2020 3:07:22 PM Pacific Standard Time

ID: 2002132-01 USMPDI-055SG-201006 13.76, Description: USMPDI-055SG-201006

3rd Function Tri-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-26	28.22	28.22	6.615e4	5.782e4	4.928e3	4.276e3	1.15	NO	9.204e3	13.678	13.678	0.698
2	PCB-25	28.37	28.39	4.743e4	4.567e4	3.745e3	3.516e3	1.07	NO	7.261e3	10.724	10.724	0.693
3	PCB-31	28.75	28.74	3.206e5	3.202e5	2.445e4	2.365e4	1.03	NO	4.810e4	65.116	65.116	0.635
4	PCB-28	28.85	28.85	3.799e5	3.508e5	2.920e4	2.657e4	1.10	NO	5.577e4	76.329	76.329	0.642
5	PCB-20/21/33	29.49	29.50	1.600e5	1.397e5	1.340e4	1.179e4	1.14	NO	2.518e4	37.531	37.531	0.700
6	PCB-22	29.93	29.93	9.827e4	9.838e4	8.121e3	7.579e3	1.07	NO	1.570e4	22.639	22.639	0.677
7	PCB-37	32.85	32.85	1.208e5	1.137e5	8.820e3	8.068e3	1.09	NO	1.689e4	24.072	24.072	0.662

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\201026K2\201026K2-7.qld

Last Altered: Monday, November 09, 2020 3:01:52 PM Pacific Standard Time

Printed: Monday, November 09, 2020 3:07:22 PM Pacific Standard Time

ID: 2002132-01 USMPDI-055SG-201006 13.76, Description: USMPDI-055SG-201006

Total Tetra-PCBs

	Name	Pred.R...	RT	m1.Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-54	27.68	27.68	6.763e3	9.341e3	5.531e2	6.736e2	0.82	NO	1.227e3	2.8099	2.8099	0.399
2	PCB-50	28.89	28.89	2.434e3	1.831e3	1.473e2	1.286e2	1.15	YES	2.758e2	0.00000	0.64005	0.489
3	PCB-53	29.56	29.56	3.777e4	5.211e4	2.920e3	3.857e3	0.76	NO	6.777e3	19.790	19.790	0.517
4	PCB-51	29.92	29.91	2.289e4	3.558e4	1.819e3	2.518e3	0.72	NO	4.336e3	11.848	11.848	0.484
5	PCB-45	30.36	30.36	2.175e4	2.487e4	1.573e3	1.898e3	0.83	NO	3.472e3	11.771	11.771	0.601
6	PCB-46	30.86	30.86	1.124e4	1.241e4	7.994e2	9.030e2	0.89	NO	1.702e3	5.9648	5.9648	0.621
7	PCB-52/69	31.36	31.34	2.914e5	3.747e5	2.285e4	2.913e4	0.78	NO	5.198e4	129.70	129.70	0.442
8	PCB-73	31.48	31.49	2.716e3	4.813e3	1.828e2	2.841e2	0.64	YES	4.669e2	0.00000	0.84754	0.357
9	PCB-43/49	31.65	31.66	1.984e5	2.626e5	1.534e4	2.016e4	0.76	NO	3.550e4	101.68	101.68	0.507
10	PCB-47	31.88	31.88	1.127e5	1.418e5	9.339e3	1.106e4	0.84	NO	2.040e4	58.951	58.951	0.541
11	PCB-48/75	32.00	32.00	4.153e4	4.633e4	2.995e3	3.509e3	0.85	NO	6.505e3	15.473	15.473	0.445
12	PCB-44	32.70	32.68	1.584e5	2.173e5	1.232e4	1.644e4	0.75	NO	2.876e4	92.974	92.974	0.605
13	PCB-42/59	32.93	32.92	7.245e4	8.903e4	5.393e3	6.698e3	0.81	NO	1.209e4	30.691	30.691	0.475
14	PCB-41/64/71/72	33.54	33.52	1.918e5	2.425e5	1.590e4	2.001e4	0.79	NO	3.591e4	80.587	80.587	0.420
15	PCB-68	33.80	33.78	5.337e3	7.483e3	3.991e2	5.475e2	0.73	NO	9.466e2	1.9739	1.9739	0.390
16	PCB-40	34.02	34.01	2.505e4	3.150e4	1.957e3	2.449e3	0.80	NO	4.406e3	19.499	19.499	0.828
17	PCB-57	34.38	34.40	2.782e3	3.558e3	1.622e2	3.673e2	0.44	YES	5.296e2	0.00000	0.73293	0.350
18	PCB-67	34.69	34.69	8.701e3	1.037e4	6.613e2	8.377e2	0.79	NO	1.499e3	3.1601	3.1601	0.375
19	PCB-58	34.82	34.81	2.567e3	3.387e3	1.740e2	2.700e2	0.64	YES	4.440e2	0.00000	0.75939	0.338
20	PCB-63	34.97	34.97	1.254e4	1.836e4	1.056e3	1.416e3	0.75	NO	2.471e3	5.2691	5.2691	0.379
21	PCB-74	35.28	35.27	1.626e5	1.870e5	1.210e4	1.477e4	0.82	NO	2.687e4	51.816	51.816	0.343
22	PCB-61/70	35.49	35.49	3.913e5	4.851e5	3.000e4	3.694e4	0.81	NO	6.694e4	145.12	145.12	0.386
23	PCB-76/66	35.68	35.70	3.240e5	4.092e5	2.602e4	3.222e4	0.81	NO	5.825e4	114.32	114.32	0.349
24	PCB-55	36.26	36.26	3.459e3	6.447e3	3.597e2	5.177e2	0.69	NO	8.774e2	1.6394	1.6394	0.342
25	PCB-56/60	36.75	36.76	1.767e5	2.293e5	1.380e4	1.774e4	0.78	NO	3.154e4	67.682	67.682	0.392
26	PCB-79	37.88	37.89	6.749e3	1.214e4	5.467e2	9.372e2	0.58	YES	1.484e3	0.00000	2.4113	0.351
27	PCB-81	39.12	39.14	2.923e3	4.880e3	7.438e1	1.909e2	0.39	YES	2.652e2	0.00000	0.37132	0.389
28	PCB-77	39.74	39.76	3.894e4	4.556e4	3.122e3	3.648e3	0.86	NO	6.770e3	13.613	13.613	0.379

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\201026K2\201026K2-7.qld

Last Altered: Monday, November 09, 2020 3:01:52 PM Pacific Standard Time

Printed: Monday, November 09, 2020 3:07:22 PM Pacific Standard Time

ID: 2002132-01 USMPDI-055SG-201006 13.76, Description: USMPDI-055SG-201006

3rd Function Penta-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-96	33.86	33.84	5.397e3	3.272e3	3.531e2	2.279e2	1.55	NO	5.809e2	1.9825	1.9825	0.471
2	PCB-103	34.41	34.40	1.477e4	7.444e3	1.046e3	5.846e2	1.79	NO	1.631e3	6.8560	6.8560	0.580
3	PCB-100	34.79	34.77	1.126e4	5.992e3	8.608e2	5.150e2	1.67	NO	1.376e3	5.6812	5.6812	0.570
4	PCB-94	35.25	35.25	2.507e3	3.465e3	1.806e2	2.699e2	0.67	YES	4.506e2	0.00000	1.5157	0.706
5	PCB-95/98/102	35.72	35.79	2.767e5	1.712e5	2.219e4	1.375e4	1.61	NO	3.594e4	144.76	144.76	0.556
6	PCB-93	35.87	35.87	2.600e4	1.760e4	4.596e2	2.708e2	1.70	NO	7.304e2	3.7903	3.7903	0.716
7	PCB-88/91	36.20	36.22	5.788e4	4.176e4	4.630e3	3.279e3	1.41	NO	7.909e3	36.039	36.039	0.629
8	PCB-84/92	37.15	37.15	1.689e5	1.109e5	1.255e4	8.289e3	1.51	NO	2.084e4	98.540	98.540	0.639
9	PCB-89	37.34	37.35	4.178e3	2.931e3	3.100e2	2.024e2	1.53	NO	5.124e2	2.2314	2.2314	0.589
10	PCB-90/101	37.53	37.54	4.611e5	2.935e5	3.597e4	2.322e4	1.55	NO	5.920e4	253.76	253.76	0.579
11	PCB-99	37.88	37.88	2.203e5	1.366e5	1.714e4	1.108e4	1.55	NO	2.822e4	102.80	102.80	0.492
12	PCB-119	38.36	38.36	2.240e4	1.310e4	1.670e3	1.084e3	1.54	NO	2.755e3	8.1522	8.1522	0.408
13	PCB-108/112	38.52	38.53	1.751e4	1.473e4	1.505e3	1.098e3	1.37	NO	2.603e3	9.6252	9.6252	0.510
14	PCB-97	38.88	38.90	1.040e5	7.065e4	8.162e3	5.476e3	1.49	NO	1.364e4	56.832	56.832	0.575
15	PCB-87/117/125	39.17	39.18	1.461e5	9.606e4	1.132e4	7.282e3	1.55	NO	1.860e4	63.740	63.740	0.473
16	PCB-111/115	39.33	39.33	1.314e4	7.967e3	8.744e2	5.244e2	1.67	NO	1.399e3	3.9115	3.9115	0.386
17	PCB-85/116	39.46	39.44	6.131e4	4.102e4	5.105e3	3.233e3	1.58	NO	8.338e3	31.570	31.570	0.523
18	PCB-120	39.72	39.72	3.745e3	2.982e3	1.908e2	2.078e2	0.92	YES	3.986e2	0.00000	0.83447	0.368
19	PCB-110	39.87	39.87	5.406e5	3.348e5	4.198e4	2.666e4	1.57	NO	6.865e4	210.44	210.44	0.423
20	PCB-82	40.50	40.50	3.511e4	2.157e4	2.828e3	1.735e3	1.63	NO	4.563e3	23.494	23.494	0.721
21	PCB-124	41.21	41.22	1.483e4	1.141e4	1.471e3	1.048e3	1.40	NO	2.519e3	7.2525	7.2525	0.403
22	PCB-107/109	41.35	41.37	4.379e4	2.549e4	3.542e3	1.981e3	1.79	NO	5.523e3	16.557	16.557	0.420
23	PCB-123	41.54	41.54	6.560e3	4.038e3	4.823e2	3.350e2	1.44	NO	8.173e2	2.7443	2.7443	0.470
24	PCB-106/118	41.75	41.73	4.538e5	2.873e5	3.626e4	2.310e4	1.57	NO	5.936e4	191.00	191.00	0.452

Dataset: U:\VG11.PRO\Results\201026K2\201026K2-7.qld

Last Altered: Monday, November 09, 2020 3:01:52 PM Pacific Standard Time

Printed: Monday, November 09, 2020 3:07:22 PM Pacific Standard Time

ID: 2002132-01 USMPDI-055SG-201006 13.76, Description: USMPDI-055SG-201006

4th Function Penta-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-114	42.41	42.38	1.633e4	1.148e4	1.497e3	9.958e2	1.50	NO	2.493e3	4.4512	4.4512	0.366
2	PCB-122	42.55	42.54	9.490e3	6.234e3	6.928e2	4.475e2	1.55	NO	1.140e3	2.4605	2.4605	0.443
3	PCB-105	43.29	43.29	2.970e5	1.920e5	2.395e4	1.562e4	1.53	NO	3.957e4	77.032	77.032	0.415
4	PCB-126	45.61	45.61	3.854e3	4.961e3	3.412e2	4.044e2	0.84	YES	7.456e2	0.00000	1.0196	0.391

3rd Function Hexa-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-150	38.38	38.36	1.495e3	1.233e3	1.037e2	8.093e1	1.28	NO	1.846e2	1.1042	1.1042	0.527
2	PCB-136	39.66	39.66	5.053e4	3.649e4	4.199e3	2.948e3	1.42	NO	7.146e3	45.358	45.358	0.560
3	PCB-148	39.76	39.77	3.409e3	1.650e3	2.027e2	9.389e1	2.16	YES	2.966e2	0.00000	1.6193	0.679
4	PCB-154	40.28	40.28	8.627e3	6.788e3	8.282e2	5.641e2	1.47	YES	1.392e3	0.00000	8.9091	0.622
5	PCB-151	40.95	40.94	7.324e4	4.831e4	5.699e3	3.752e3	1.52	YES	9.451e3	0.00000	69.240	0.726
6	PCB-135	41.17	41.17	3.602e4	2.695e4	2.809e3	2.088e3	1.35	NO	4.897e3	34.404	34.404	0.620
7	PCB-144	41.28	41.28	1.322e4	8.420e3	1.017e3	6.458e2	1.57	YES	1.663e3	0.00000	11.881	0.724
8	PCB-147	41.41	41.41	8.254e3	5.487e3	6.870e2	4.836e2	1.42	NO	1.171e3	9.0892	9.0892	0.685
9	PCB-139/149	41.70	41.67	2.148e5	1.913e5	1.649e4	1.426e4	1.16	NO	3.075e4	210.21	210.21	0.603
10	PCB-140	41.88	41.86	2.795e3	2.215e3	2.103e2	1.849e2	1.14	NO	3.952e2	3.2266	3.2266	0.720

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\201026K2\201026K2-7.qld

Last Altered: Monday, November 09, 2020 3:01:52 PM Pacific Standard Time

Printed: Monday, November 09, 2020 3:07:22 PM Pacific Standard Time

ID: 2002132-01 USMPDI-055SG-201006 13.76, Description: USMPDI-055SG-201006

4th Function Hexa-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-134/143	42.33	42.35	2.428e4	2.307e4	2.009e3	1.870e3	1.07	NO	3.878e3	14.415	14.415	0.513
2	PCB-131/133	42.65	42.63	2.570e4	1.703e4	1.880e3	1.349e3	1.39	NO	3.229e3	11.097	11.097	0.474
3	PCB-146/165	43.05	43.05	1.452e5	1.223e5	1.116e4	9.304e3	1.20	NO	2.047e4	56.786	56.786	0.383
4	PCB-132/161	43.29	43.31	1.959e5	1.522e5	1.454e4	1.125e4	1.29	NO	2.579e4	71.025	71.025	0.380
5	PCB-153	43.46	43.47	7.613e5	5.983e5	6.022e4	4.752e4	1.27	NO	1.077e5	283.88	283.88	0.364
6	PCB-141	44.22	44.22	1.216e5	9.219e4	9.109e3	7.319e3	1.24	NO	1.643e4	55.152	55.152	0.455
7	PCB-137	44.62	44.62	2.206e4	1.941e4	1.758e3	1.457e3	1.21	NO	3.215e3	9.9778	9.9778	0.421
8	PCB-130	44.71	44.72	3.675e4	2.908e4	3.112e3	2.247e3	1.38	NO	5.360e3	20.866	20.866	0.528
9	PCB-138/163/164	45.09	45.10	6.612e5	5.170e5	6.142e4	4.799e4	1.28	NO	1.094e5	288.94	288.94	0.370
10	PCB-158/160	45.36	45.34	6.832e4	5.519e4	5.548e3	4.529e3	1.23	NO	1.008e4	27.546	27.546	0.382
11	PCB-129	45.59	45.61	2.068e4	1.551e4	1.594e3	1.195e3	1.33	NO	2.789e3	10.909	10.909	0.547
12	PCB-166	46.08	46.08	2.818e3	2.374e3	2.111e2	1.933e2	1.09	NO	4.044e2	0.97479	0.97479	0.335
13	PCB-128/162	46.71	46.69	8.723e4	6.731e4	7.145e3	5.638e3	1.27	NO	1.278e4	38.813	38.813	0.422
14	PCB-167	47.12	47.12	3.007e4	2.699e4	2.331e3	2.024e3	1.15	NO	4.355e3	10.773	10.773	0.335
15	PCB-156	48.45	48.45	7.050e4	5.983e4	5.572e3	4.543e3	1.23	NO	1.012e4	25.263	25.263	0.347
16	PCB-157	48.73	48.73	1.325e4	9.728e3	1.130e3	8.132e2	1.39	NO	1.943e3	5.3004	5.3004	0.392



Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\201026K2\201026K2-7.qld

Last Altered: Monday, November 09, 2020 3:01:52 PM Pacific Standard Time

Printed: Monday, November 09, 2020 3:07:22 PM Pacific Standard Time.

ID: 2002132-01 USMPDI-055SG-201006 13.76, Description: USMPDI-055SG-201006

Total Hepta-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-184	43.54	43.50	1.090e3	1.062e3	8.575e1	8.794e1	0.98	NO	1.737e2	0.57552	0.57552	0.389
2	PCB-179	44.34	44.34	8.596e4	8.512e4	6.638e3	6.430e3	1.03	NO	1.307e4	41.085	41.085	0.370
3	PCB-176	44.83	44.81	2.315e4	2.558e4	1.789e3	1.938e3	0.92	NO	3.727e3	11.621	11.621	0.367
4	PCB-178	45.97	45.97	3.105e4	3.248e4	2.519e3	2.539e3	0.99	NO	5.058e3	21.885	21.885	0.509
5	PCB-175	46.33	46.31	6.074e3	5.562e3	5.118e2	3.860e2	1.33	YES	8.978e2	0.00000	3.3774	0.502
6	PCB-182/187	46.50	46.48	2.160e5	2.049e5	1.691e4	1.600e4	1.06	NO	3.291e4	125.96	125.96	0.450
7	PCB-183	46.82	46.82	8.119e4	7.793e4	6.416e3	6.304e3	1.02	NO	1.272e4	50.754	50.754	0.469
8	PCB-185	47.50	47.50	1.962e4	1.614e4	1.683e3	1.248e3	1.35	YES	2.930e3	0.00000	10.581	0.495
9	PCB-174	47.87	47.88	1.460e5	1.273e5	1.127e4	1.015e4	1.11	NO	2.142e4	92.023	92.023	0.514
10	PCB-181	47.98	47.96	8.876e3	6.102e3	3.182e2	2.725e2	1.17	NO	5.907e2	2.3301	2.3301	0.472
11	PCB-177	48.16	48.16	8.408e4	7.930e4	6.699e3	6.528e3	1.03	NO	1.323e4	60.201	60.201	0.545
12	PCB-171	48.47	48.45	3.452e4	3.671e4	2.668e3	2.917e3	0.91	NO	5.585e3	24.680	24.680	0.529
13	PCB-173	48.89	48.90	2.882e3	3.338e3	2.324e2	2.167e2	1.07	NO	4.491e2	2.1950	2.1950	0.585
14	PCB-172	49.36	49.36	2.289e4	2.362e4	1.893e3	1.766e3	1.07	NO	3.660e3	15.476	15.476	0.506
15	PCB-180	49.77	49.77	3.178e5	3.184e5	2.515e4	2.492e4	1.01	NO	5.007e4	206.26	206.26	0.493
16	PCB-193	49.99	49.98	2.142e4	1.992e4	1.640e3	1.647e3	1.00	NO	3.287e3	11.401	11.401	0.415
17	PCB-191	50.25	50.25	6.327e3	4.957e3	5.029e2	4.330e2	1.16	NO	9.359e2	3.1829	3.1829	0.407
18	PCB-170	51.44	51.44	1.310e5	1.123e5	9.933e3	8.535e3	1.16	NO	1.847e4	90.443	90.443	0.564
19	PCB-190	51.65	51.63	3.308e4	2.999e4	2.749e3	2.308e3	1.19	NO	5.056e3	18.738	18.738	0.427
20	PCB-189	53.13	53.13	6.555e3	5.401e3	5.002e2	4.343e2	1.15	NO	9.345e2	3.4877	3.4877	0.401

4th Function Octa-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-202	48.68	48.67	1.494e4	1.392e4	1.051e3	1.213e3	0.87	NO	2.264e3	10.913	10.913	0.520
2	PCB-201	49.15	49.17	9.280e3	1.147e4	7.763e2	8.972e2	0.87	NO	1.673e3	8.9497	8.9497	0.577
3	PCB-197	49.61	49.64	2.073e3	2.178e3	1.877e2	2.163e2	0.87	NO	4.040e2	2.0083	2.0083	0.536
4	PCB-200	50.55	50.57	8.384e3	1.005e4	6.241e2	8.077e2	0.77	NO	1.432e3	7.5315	7.5315	0.567
5	PCB-198	52.10	52.12	4.206e3	2.178e3	2.679e2	1.580e2	1.69	YES	4.259e2	0.00000	2.1183	0.765
6	PCB-199	52.24	52.24	5.202e4	5.156e4	3.920e3	3.863e3	1.01	NO	7.783e3	54.151	54.151	0.750
7	PCB-196/203	52.53	52.54	6.028e4	6.784e4	4.516e3	4.638e3	0.97	NO	9.153e3	61.483	61.483	0.724

Dataset: U:\VG11.PRO\Results\201026K2\201026K2-7.qld

Last Altered: Monday, November 09, 2020 3:01:52 PM Pacific Standard Time  
 Printed: Monday, November 09, 2020 3:07:22 PM Pacific Standard Time

ID: 2002132-01 USMPDI-055SG-201006 13.76, Description: USMPDI-055SG-201006

5th Function Octa-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-195	53.83	53.81	3.899e4	4.814e4	2.578e3	2.946e3	0.88	NO	5.525e3	21.950	21.950	0.560
2	PCB-194	54.74	54.74	1.160e5	1.389e5	6.482e3	7.616e3	0.85	NO	1.410e4	52.426	52.426	0.524
3	PCB-205	55.01	55.00	4.510e3	5.436e3	2.529e2	3.094e2	0.82	NO	5.622e2	1.8095	1.8095	0.453

Total Nona-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-208	53.98	53.97	2.545e4	2.033e4	1.392e3	1.148e3	1.21	NO	2.540e3	10.562	10.562	0.310
2	PCB-207	54.30	54.31	1.194e4	7.536e3	6.943e2	4.503e2	1.54	YES	1.145e3	0.00000	4.4614	0.316
3	PCB-206	56.27	56.27	5.541e4	4.420e4	3.322e3	2.492e3	1.33	NO	5.814e3	31.803	31.803	0.403

Deca-CB

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-209	57.49	57.50	9.209e4	7.380e4	4.642e3	3.764e3	1.23	NO	8.406e3	49.416	49.416	0.347

Total PCBs

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

Total Mono-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-1	15.58	15.58	1.135e7	3.390e6	6.814e5	2.101e5	3.24	NO	8.915e5	1037.6		1.27
2	13C-PCB-3	18.22	18.22	1.124e7	3.359e6	7.170e5	2.091e5	3.43	NO	9.262e5	1057.3		1.24

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\201026K2\201026K2-7.qld

Last Altered: Monday, November 09, 2020 3:01:52 PM Pacific Standard Time

Printed: Monday, November 09, 2020 3:07:22 PM Pacific Standard Time

ID: 2002132-01 USMPDI-055SG-201006 13.76, Description: USMPDI-055SG-201006

**Total Di-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-4	19.59	19.58	7.886e6	4.996e6	4.911e5	3.039e5	1.62	NO	7.951e5	1378.1		0.837
2	13C-PCB-9	21.40	21.40	1.400e7	8.391e6	8.619e5	5.245e5	1.64	NO	1.386e6	1487.0		0.518
3	13C-PCB-11	24.86	24.86	1.319e7	8.106e6	8.702e5	5.338e5	1.63	NO	1.404e6	1518.5		0.523
4	13C-PCB-15	25.58	25.58	1.841e7	1.120e7	1.187e6	7.223e5	1.64	NO	1.910e6	1985.9		0.502

**2nd Function Tri-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-19	23.82	23.82	4.321e6	4.230e6	2.903e5	2.799e5	1.04	NO	5.703e5	1188.7		7.39
2	13C-PCB-32	26.81	26.81	6.903e6	6.519e6	4.550e5	4.321e5	1.05	NO	8.871e5	1239.8		4.96

**3rd Function Tri-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-31	28.72	28.72	1.197e7	1.082e7	8.924e5	8.121e5	1.10	NO	1.705e6	1985.9		5.93
2	13C-PCB-28	28.83	28.83	9.760e6	8.969e6	7.398e5	6.759e5	1.09	NO	1.416e6	1549.8		5.58
3	13C-PCB-37	32.81	32.83	9.611e6	8.753e6	7.208e5	6.599e5	1.09	NO	1.381e6	1626.4		6.00

**Tetra-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-54	27.65	27.66	4.838e6	5.935e6	3.596e5	4.432e5	0.81	NO	8.029e5	1472.4		1.47
2	13C-PCB-52	31.32	31.33	3.982e6	4.983e6	3.013e5	3.810e5	0.79	NO	6.823e5	1554.9		1.83
3	13C-PCB-47	31.85	31.86	4.159e6	5.107e6	3.325e5	4.128e5	0.81	NO	7.453e5	1593.3		1.72
4	13C-PCB-70	35.47	35.47	5.155e6	6.237e6	3.920e5	4.770e5	0.82	NO	8.690e5	1599.4		1.48
5	13C-PCB-80	35.91	35.90	5.180e6	6.480e6	4.045e5	5.046e5	0.80	NO	9.091e5	1620.6		1.43
6	13C-PCB-60	36.74	36.74	6.278e6	7.698e6	4.853e5	5.983e5	0.81	NO	1.084e6	1985.9		1.47
7	13C-PCB-79	37.84	37.86	5.606e6	7.101e6	4.451e5	5.667e5	0.79	NO	1.012e6	1734.7		1.38
8	13C-PCB-81	39.10	39.10	5.076e6	6.327e6	3.889e5	4.850e5	0.80	NO	8.739e5	1621.1		1.49
9	13C-PCB-77	39.72	39.72	4.829e6	6.072e6	3.885e5	4.801e5	0.81	NO	8.687e5	1643.4		1.52

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\201026K2\201026K2-7.qld

Last Altered: Monday, November 09, 2020 3:01:52 PM Pacific Standard Time

Printed: Monday, November 09, 2020 3:07:22 PM Pacific Standard Time

ID: 2002132-01 USMPDI-055SG-201006 13.76, Description: USMPDI-055SG-201006

3rd Function Penta-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-104	32.49	32.53	4.138e6	2.517e6	3.144e5	1.899e5	1.66	NO	5.044e5	1595.9		0.857
2	13C-PCB-95	35.75	35.77	3.304e6	2.073e6	2.512e5	1.581e5	1.59	NO	4.093e5	1635.0		1.08
3	13C-PCB-101	37.50	37.52	3.452e6	2.077e6	2.570e5	1.556e5	1.65	NO	4.127e5	1674.7		1.10
4	13C-PCB-97	38.84	38.86	3.043e6	1.858e6	2.314e5	1.404e5	1.65	NO	3.717e5	1716.9		1.25
5	13C-PCB-111	39.33	39.31	4.921e6	2.964e6	3.837e5	2.337e5	1.64	NO	6.174e5	1985.9		0.871
6	13C-PCB-123	41.50	41.52	3.969e6	2.417e6	3.061e5	1.876e5	1.63	NO	4.937e5	1702.3		0.933
7	13C-PCB-118	41.69	41.71	4.124e6	2.395e6	3.189e5	1.872e5	1.70	NO	5.061e5	1651.7		0.883

4th Function Penta-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-114	42.36	42.38	7.678e6	4.755e6	6.028e5	3.719e5	1.62	NO	9.746e5	2019.9		1.20
2	13C-PCB-105	43.28	43.28	7.329e6	4.562e6	5.974e5	3.734e5	1.60	NO	9.709e5	1979.1		1.18
3	13C-PCB-127	43.61	43.62	8.090e6	5.043e6	6.368e5	3.970e5	1.60	NO	1.034e6	2039.5		1.14
4	13C-PCB-126	45.57	45.59	7.014e6	4.327e6	5.759e5	3.545e5	1.62	NO	9.304e5	1902.0		1.18

4th Function Hexa-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-153	43.42	43.45	4.962e6	3.959e6	3.915e5	3.125e5	1.25	NO	7.041e5	1653.5		1.10
2	13C-PCB-141	44.21	44.20	4.212e6	3.250e6	3.267e5	2.495e5	1.31	NO	5.762e5	1637.6		1.33
3	13C-PCB-138	45.06	45.06	4.070e6	3.334e6	3.255e5	2.604e5	1.25	NO	5.859e5	1585.1		1.27
4	13C-PCB-159	46.40	46.40	5.040e6	3.990e6	4.003e5	3.204e5	1.25	NO	7.207e5	1604.9		1.04
5	13C-PCB-128	46.67	46.67	4.475e6	3.443e6	3.522e5	2.674e5	1.32	NO	6.196e5	1985.9		1.50
6	13C-PCB-167	47.10	47.10	5.248e6	4.146e6	4.067e5	3.174e5	1.28	NO	7.242e5	1611.8		1.04
7	13C-PCB-156	48.43	48.43	5.058e6	3.857e6	4.020e5	3.042e5	1.32	NO	7.062e5	1620.5		1.07
8	13C-PCB-157	48.72	48.71	4.801e6	3.752e6	3.938e5	3.073e5	1.28	NO	7.011e5	1608.7		1.07
9	13C-PCB-169	50.99	50.99	4.516e6	3.527e6	3.691e5	2.931e5	1.26	NO	6.622e5	1594.7		1.13

Dataset: U:\VG11.PRO\Results\201026K2\201026K2-7.qld

Last Altered: Monday, November 09, 2020 3:01:52 PM Pacific Standard Time  
Printed: Monday, November 09, 2020 3:07:22 PM Pacific Standard Time

ID: 2002132-01 USMPDI-055SG-201006 13.76, Description: USMPDI-055SG-201006

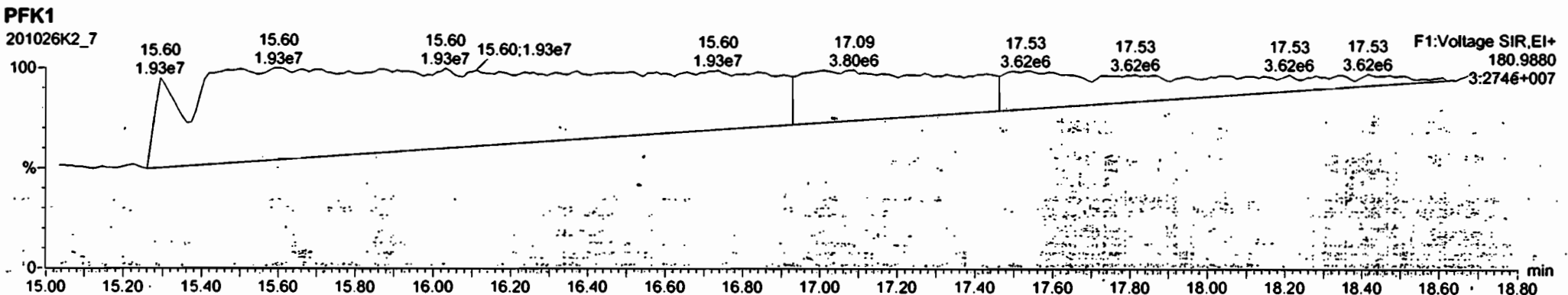
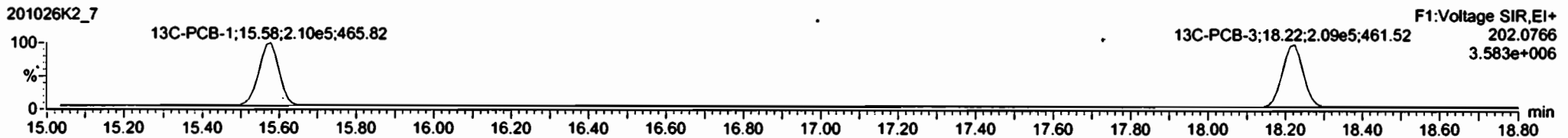
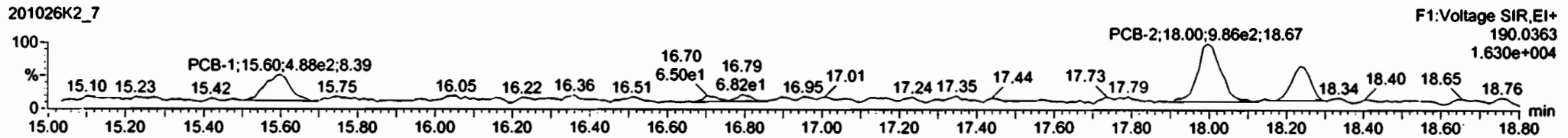
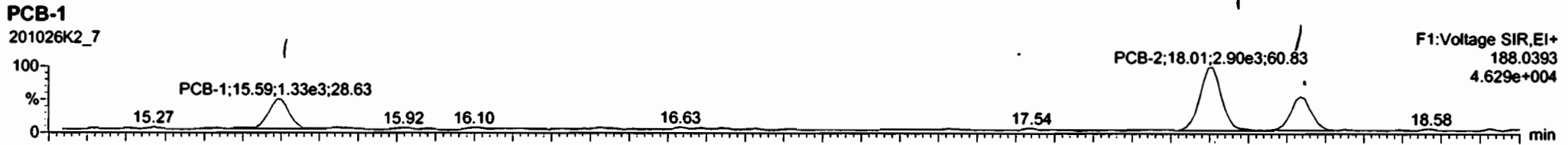
5th Function Octa-Isotopes

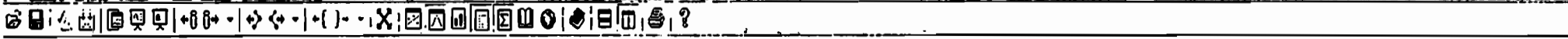
	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-194	54.70	54.72	4.166e6	4.641e6	2.273e5	2.513e5	0.90	NO	4.786e5	1697.1		1.50
2	13C-PCB-205	55.01	54.98	6.367e6	6.864e6	3.533e5	3.759e5	0.94	NO	7.292e5	1985.9		1.16

Dataset: Untitled

Last Altered: Tuesday, October 27, 2020 11:30:51 Pacific Daylight Time  
Printed: Tuesday, October 27, 2020 11:31:27 Pacific Daylight Time

Name: 201026K2\_7, Date: 27-Oct-2020, Time: 03:46:01, ID: 2002132-01 USMPDI-055SG-201006 13.76, Description: USMPDI-055SG-201006

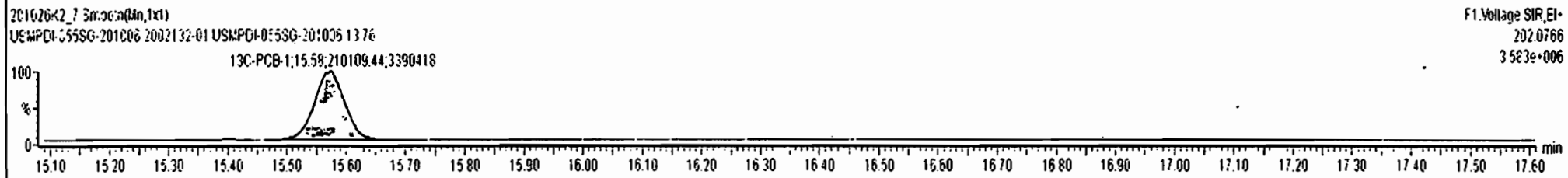
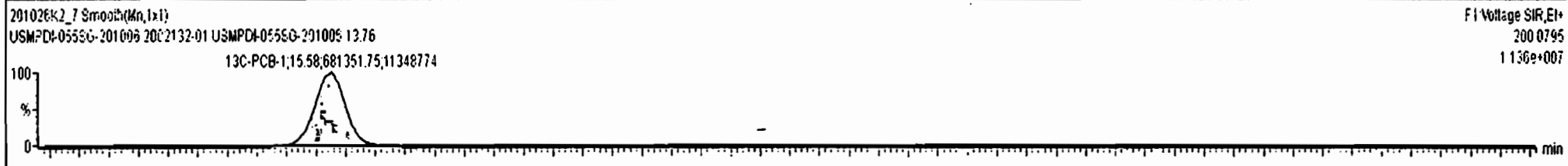
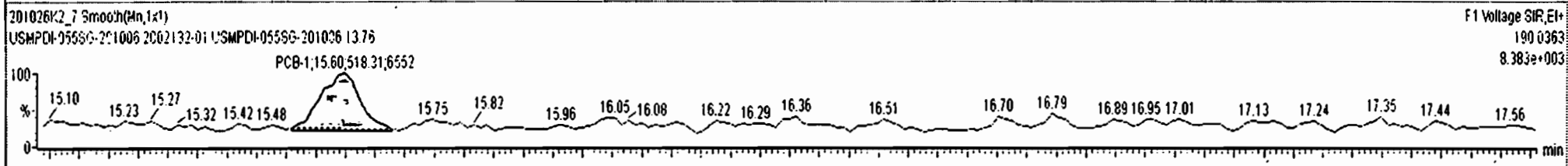
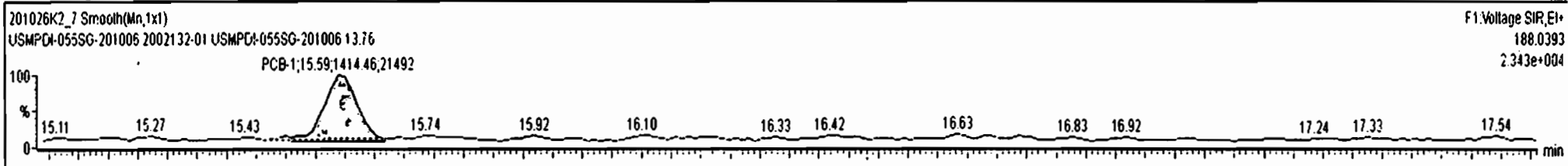




201026K2\_7 - 2002132-01 USMPCD-055SG-201006 13.76 USMPCD-055SG-201006

#	Name	Resp	RA	n/y	RRF	wtVol	Pred.RT	RT	Pred.RT	RRT	RRT Tol	Conc.	%Rec	DL	EMPC
224	Total Mon-PCBs				1.1665	5.035	0.00		0.000		NO	14.32		1.04	14.32
225	Total Di-PCBs				1.0537	5.035	0.00		0.000		NO	59.65		6.54	89.20
226	2nd Function Tri-PCBs				1.0807	5.035	0.00		0.000		NO	69.03		4.59	90.38
227	3rd Function Tri-PCBs				0.9878	5.035	0.00		0.000		NO	252.51		9.46	254.71

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	PCB-1	15.59	15.59	1.414e3	5.183e2	3.130	2.73	NO	3.6854	3.6854
2	PCB-2	18.01	18.01	2.904e3	9.858e2	3.130	2.95	NO	7.0519	7.0519
3	PCB-3	18.23	18.24	1.445e3	4.767e2	3.130	3.03	NO	3.5875	3.5875



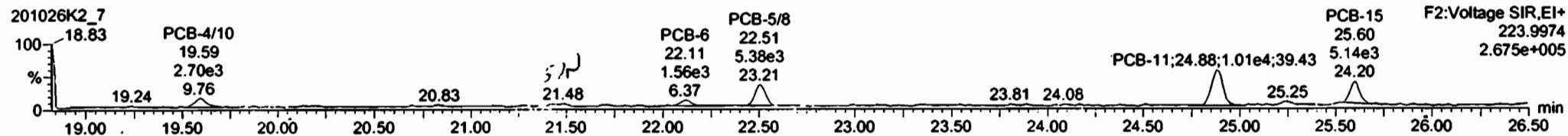
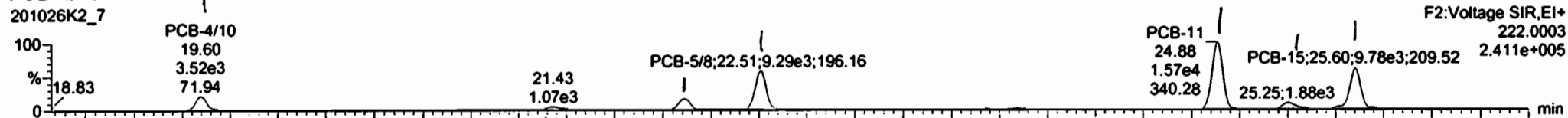
Dataset: Untitled

Last Altered: Tuesday, October 27, 2020 11:30:51 Pacific Daylight Time

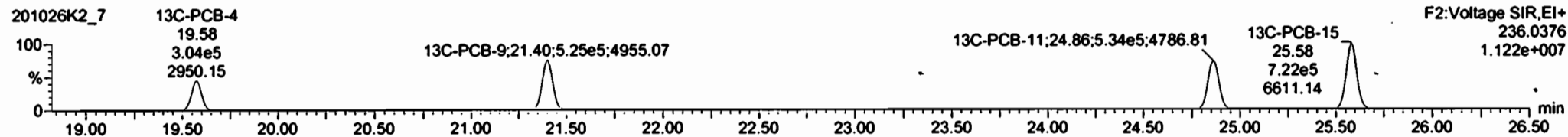
Printed: Tuesday, October 27, 2020 11:31:27 Pacific Daylight Time

Name: 201026K2\_7, Date: 27-Oct-2020, Time: 03:46:01, ID: 2002132-01 USMPDI-055SG-201006 13.76, Description: USMPDI-055SG-201006

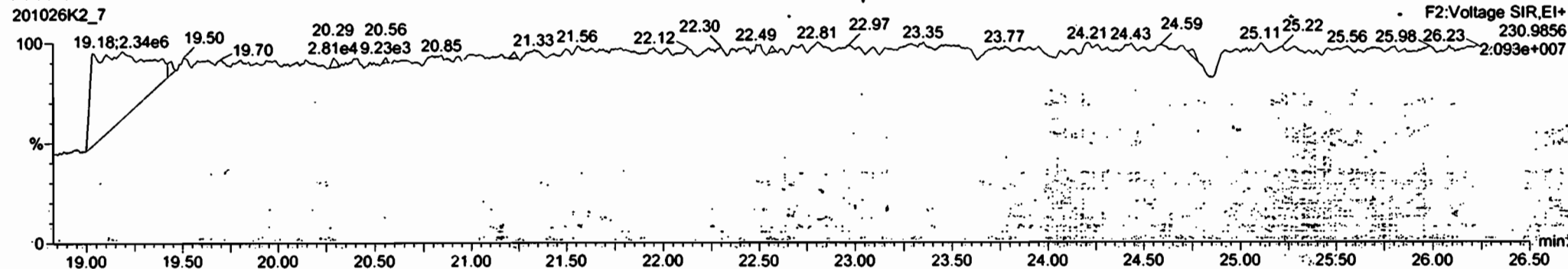
**PCB-4/10**



**13C-PCB-4**



**PFK2a**

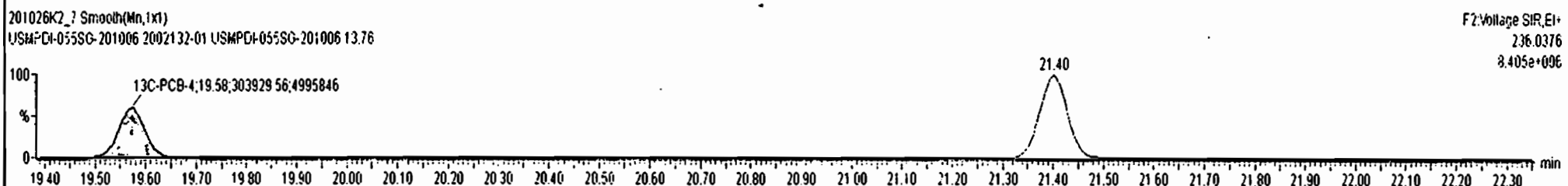
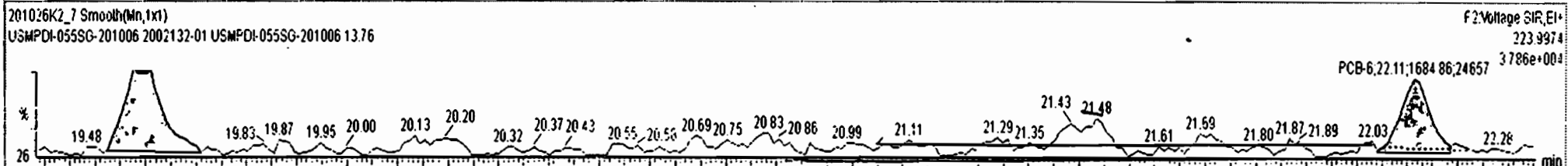
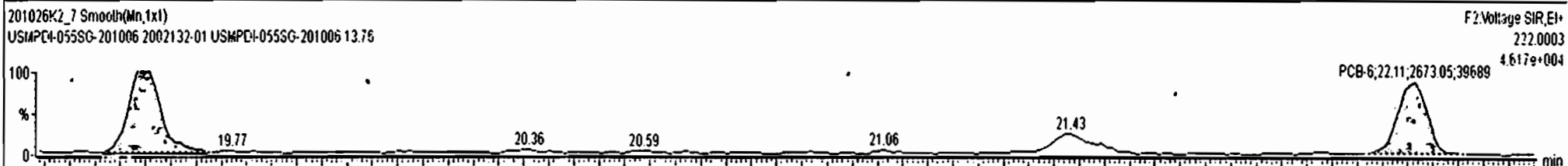




201026K2\_7\_2002132-01 USMPC4-055SG-201006 13.76 USMPC4-055SG-201006

#	Name	Resp	RA	nly	RRF	wtVol	Pred RT	RT	Pred R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
224	224 Total Mono-PCBs				1.1665	5.035	0.00		0.000		NO	14.32		1.04	14.32
225	225 Total Di-PCBs				1.0537	5.035	0.00		0.000		NO	97.59		6.54	97.59
226	226 2nd Function Tri-PCBs				1.0807	5.035	0.00		0.000		NO	69.03		4.59	90.38
227	227 3rd Function Tri-PCBs				0.9828	5.035	0.00		0.000		NO	252.51		9.46	254.7

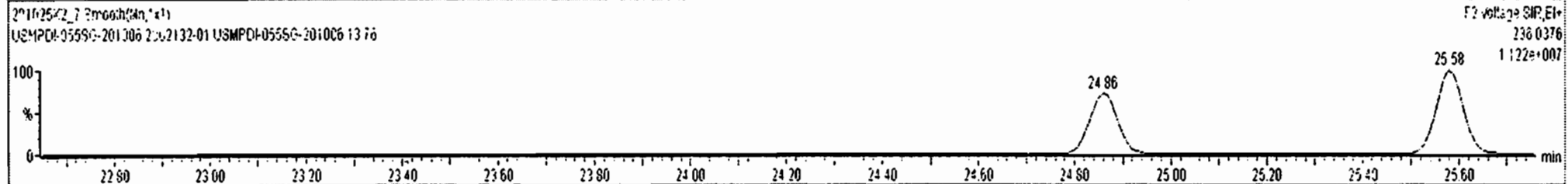
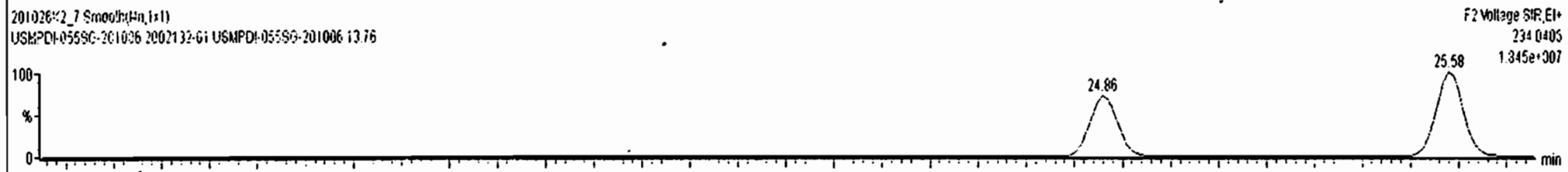
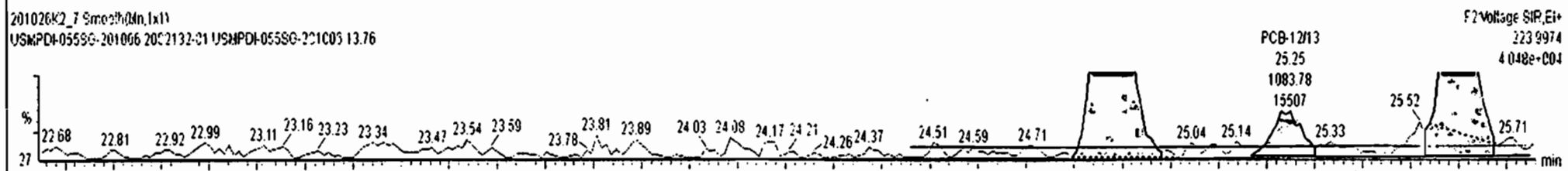
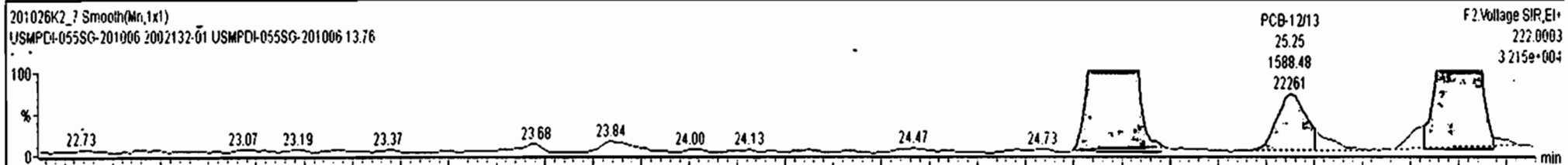
#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	4 PCB-4/10	19.66	19.60	3.613e3	2.695e3	1.560	1.34	NO	12.624	12.624
2	6 PCB-6	22.11	22.11	2.673e3	1.685e3	1.560	1.59	NO	6.0987	6.0987
3	7 PCB-5/8	22.52	22.51	9.295e3	5.383e3	1.560	1.73	NO	21.184	21.184
4	9 PCB-11	24.88	24.88	1.572e4	1.012e4	1.560	1.55	NO	32.446	32.446
5	10 PCB-13/12	25.31	25.28	1.588e3	1.084e3	1.560	1.47	NO	3.6817	3.6817



201026K2\_7 - 2002132-01 USMPDI-055SG-201006 13.76 USMPDI-055SG-201006

#	Name	Resp	RA	nly	RRF	wVol	Pred.RT	RT	Pred.R...	RRT	RRT Fal	Conc.	%Rec	DL	EMPC
224	224 Total Mono-PCBs				1.1665	5.035	0.00		0.000		NO	14.32		1.04	14.32
225	225 Total Di-PCBs				1.0537	5.035	0.00		0.000		NO	97.53		6.54	297.53
226	226 2nd Function Tri-PCBs				1.0807	5.035	0.00		0.000		NO	69.03		4.59	90.38
227	227 3rd Function Tri-PCBs				0.9878	5.035	0.00		0.000		NO	252.5		9.46	254.7

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1	4 PCB-4/10	19.66	19.60	3.613e3	2.695e3	1.560	1.34	NO	12.624	12.624
2	6 PCB-6	22.11	22.11	2.673e3	1.685e3	1.560	1.59	NO	6.0987	6.0987
3	7 PCB-5/8	22.52	22.51	9.295e3	5.383e3	1.560	1.73	NO	21.184	21.184
4	9 PCB-11	24.88	24.88	1.572e4	1.007e4	1.560	1.56	NO	32.382	32.382

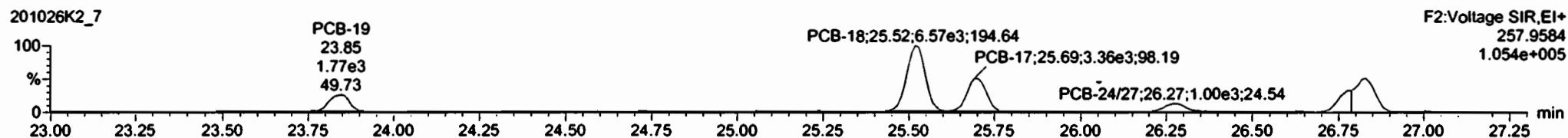
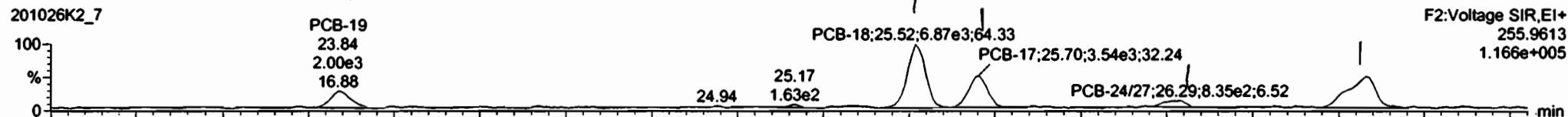


Dataset: Untitled

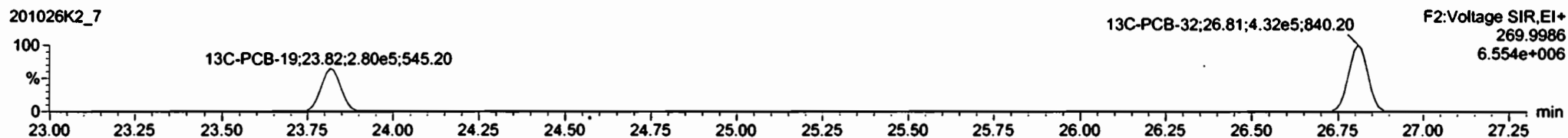
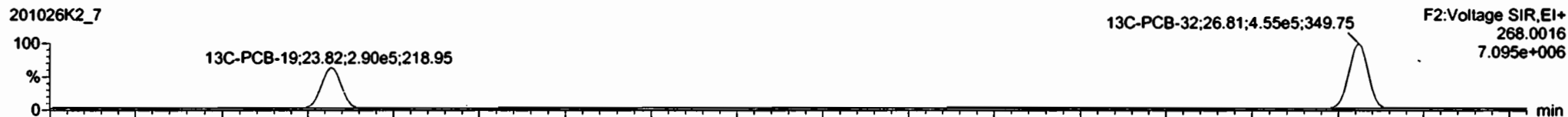
Last Altered: Tuesday, October 27, 2020 11:30:51 Pacific Daylight Time  
Printed: Tuesday, October 27, 2020 11:31:27 Pacific Daylight Time

Name: 201026K2\_7, Date: 27-Oct-2020, Time: 03:46:01, ID: 2002132-01 USMPDI-055SG-201006 13.76, Description: USMPDI-055SG-201006

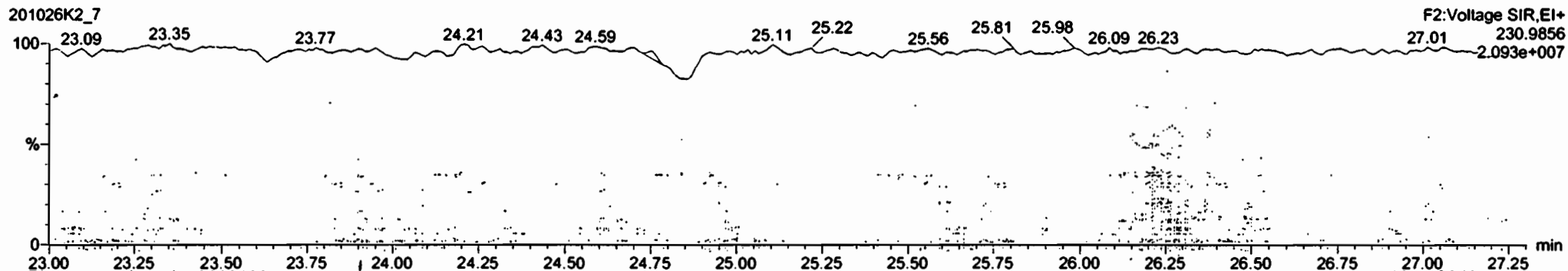
**PCB-19**

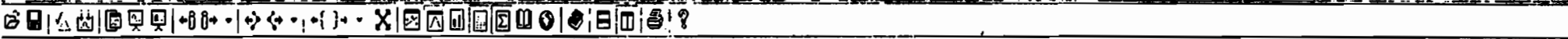


**13C-PCB-19**



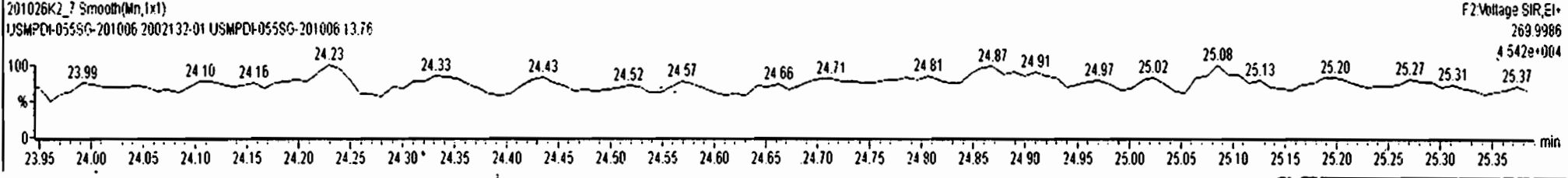
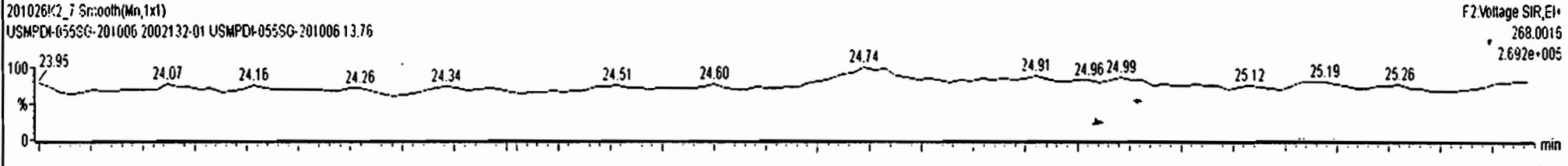
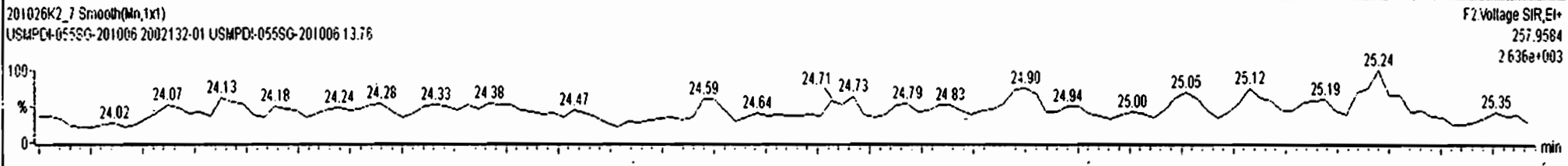
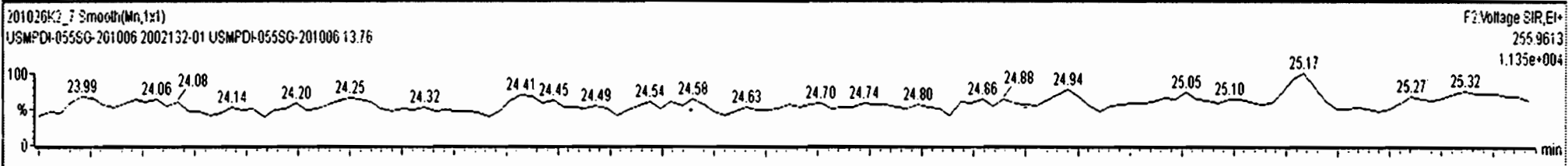
**PFK2b**

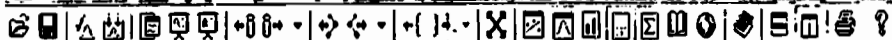




#	Name	Resp	RA	rly	RRF	wAval	PredRT	RT	PredR...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
224	Total Mono-PCBs				1.1665	5.035	0.00		0.000		NO	14.32		1.04	14.32
225	Total Di-PCBs				1.0537	5.035	0.00		0.000		NO	97.64		6.54	97.64
226	2nd Function Tri-PCBs				1.0807	5.035	0.00		0.000		NO	69.03		4.59	90.38
227	3rd Function Tri-PCBs				0.9878	5.035	0.00		0.000		NO	252.51		9.46	254.7

#	Name	PredRT	RT	m1 Resp	m2 Resp	1 <sup>o</sup> Ratio (Pred)	RA	rly	EMPC	Conc.
1	12 PCB-19	23.85	23.84	1.998e3	1.768e3	1.040	1.13	NO	11.854	11.854
2	14 PCB-18	25.52	25.52	6.874e3	6.569e3	1.040	1.05	NO	36.801	36.801
3	15 PCB-17	25.70	25.70	3.544e3	3.358e3	1.040	1.06	NO	20.373	20.373
4	16 PCB-24/27	26.30	26.29	8.351e2	1.002e3	1.040	0.83	YES	3.3891	0.00000
5	17 PCB-16/32	26.83	26.83	5.248e3	3.640e3	1.040	1.44	YES	17.962	0.00000

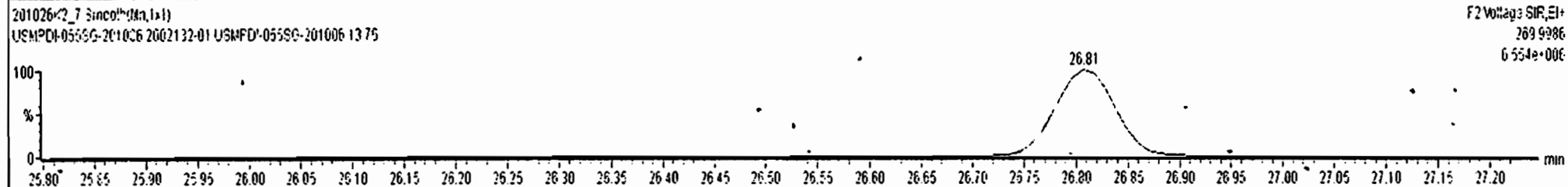
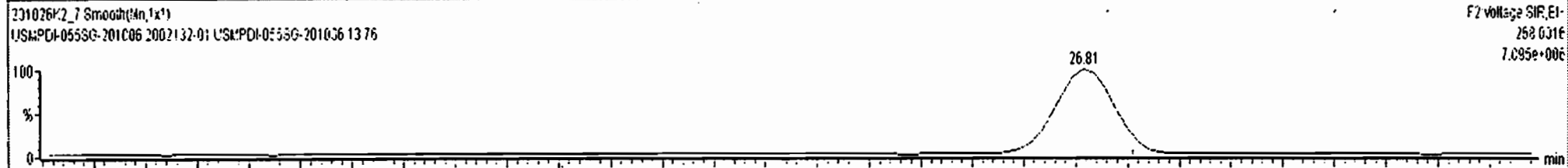
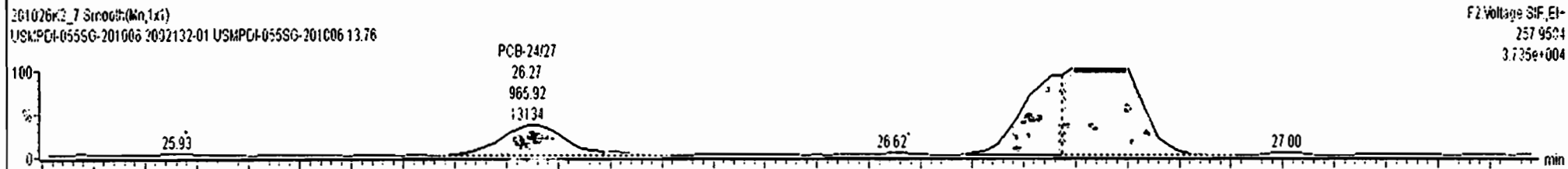
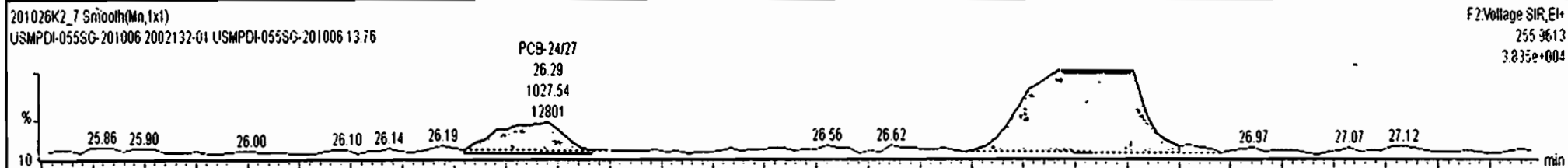




201026K2\_7 : 2002132-01 USMFDI-055SG-201006-13-76 USMFDI-055SG-201006

#	Name	Resp	RA	nly	RRF	wtAval	PredRT	RT	PredR...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
224	224 Total Mono-PCBs				1.1665	5.035	0.00		0.000		NO	14.32		1.04	14.32
225	225 Total Di-PCBs				1.0537	5.035	0.00		0.000		NO	97.64		6.54	97.64
226	226 2nd Function Tri-PCBs				1.0807	5.035	0.00		0.000		NO	97.93		4.59	97.93
227	227 3rd Function Tri-PCBs				0.9828	5.035	0.00		0.000		NO	252.51		9.46	254.7

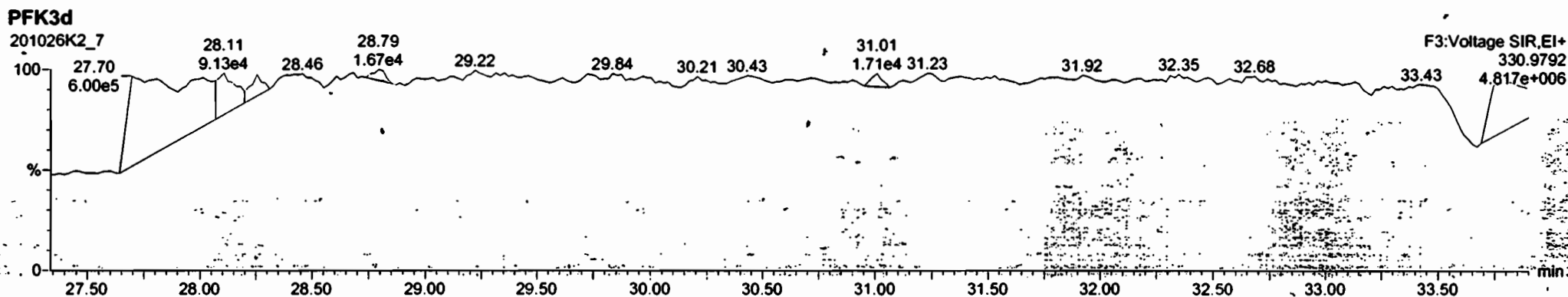
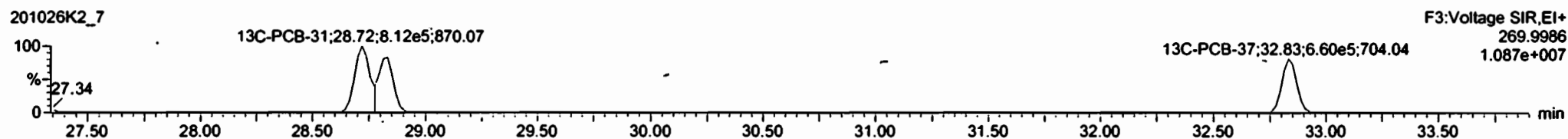
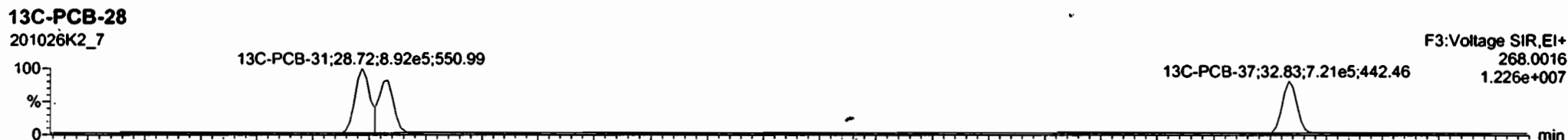
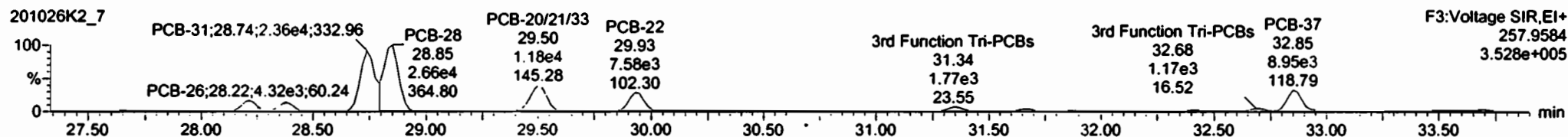
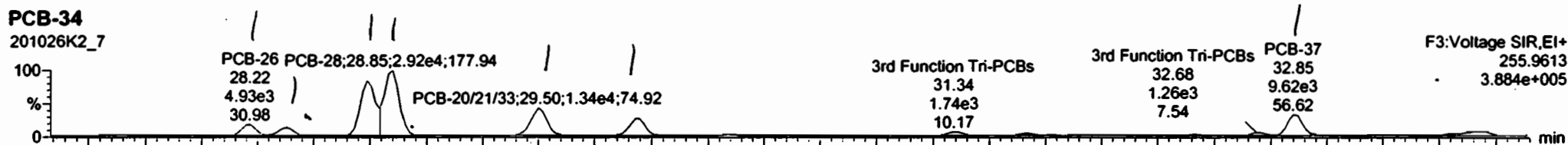
#	Name	PredRT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
2	14 PCB-18	25.52	25.52	6.874e3	6.569e3	1.040	1.05	NO	36.801	36.801
3	15 PCB-17	25.70	25.70	3.544e3	3.358e3	1.040	1.06	NO	20.373	20.373
4	16 PCB-24/27	26.30	26.29	1.028e3	9.659e2	1.040	1.06	NO	4.1241	4.1241
5	17 PCB-16/32	26.83	26.83	5.129e3	5.114e3	1.040	1.00	NO	24.777	24.777

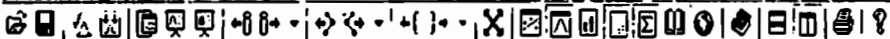


Dataset: Untitled

Last Altered: Tuesday, October 27, 2020 11:30:51 Pacific Daylight Time  
Printed: Tuesday, October 27, 2020 11:31:27 Pacific Daylight Time

Name: 201026K2\_7, Date: 27-Oct-2020, Time: 03:46:01, ID: 2002132-01 USMPDI-055SG-201006 13.76, Description: USMPDI-055SG-201006

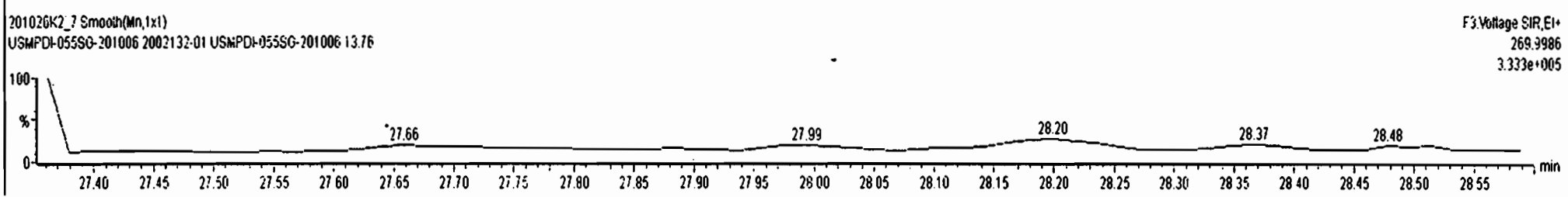
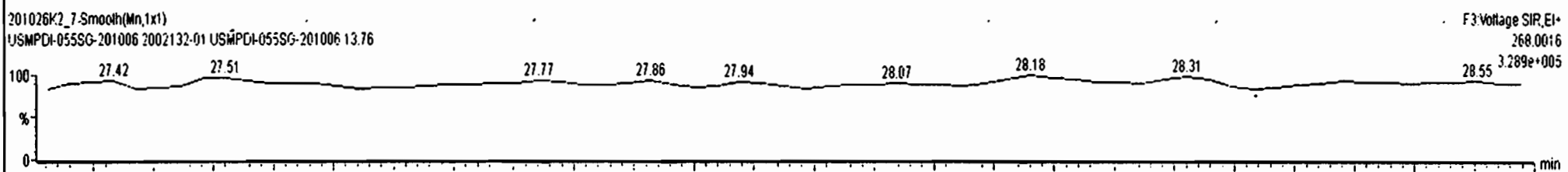
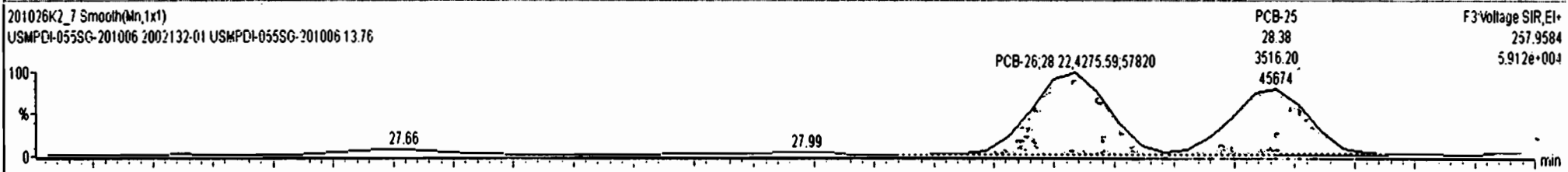
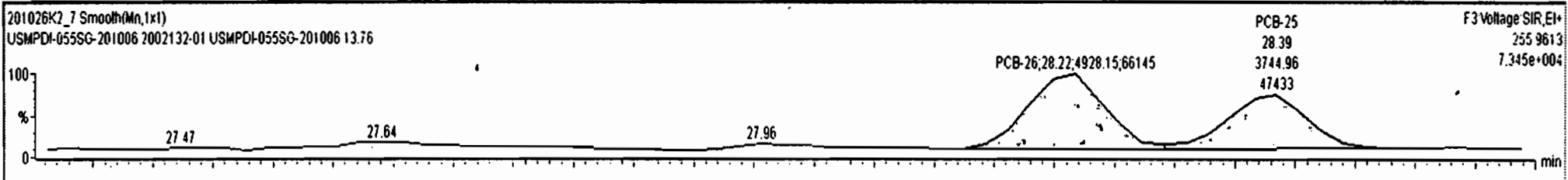




201026K2\_7 - 2002132-01 USMFDI-055SG-201006-13.76 - USMFDI-055SG-201006

#	Name	Resp	RA	nly	RRF	wtVcl	Pred RT	RT	Pred.R...	RRT	RRT Fal	Conc.	%Rec	DL	EMPC
224	224 Total Mono-PCBs				1.1665	5.035	0.00		0.000		NO	14.32		1.04	14.32
225	225 Total Di-PCBs				1.0537	5.035	0.00		0.000		NO	97.64		6.54	97.64
226	226 2nd Function Tri-PCBs				1.0807	5.035	0.00		0.000		NO	97.93		4.59	97.93
227	227 3rd Function Tri-PCBs				0.9828	5.035	0.00		0.000		NO	252.5		9.46	254.6

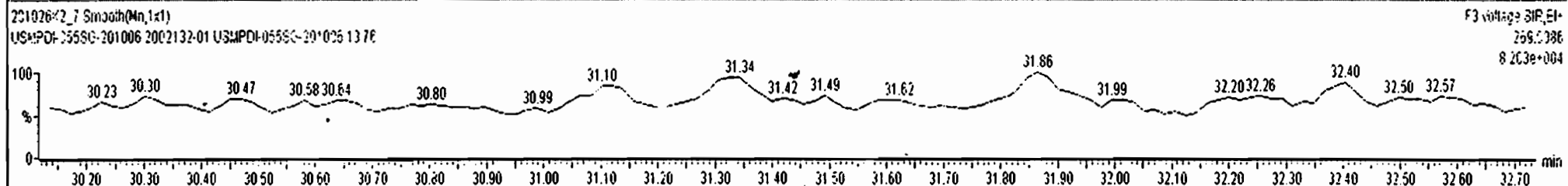
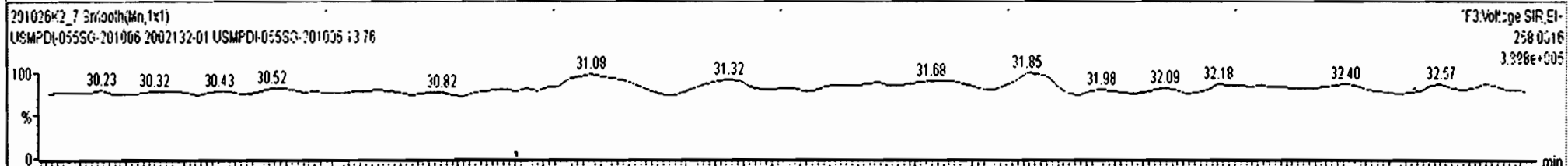
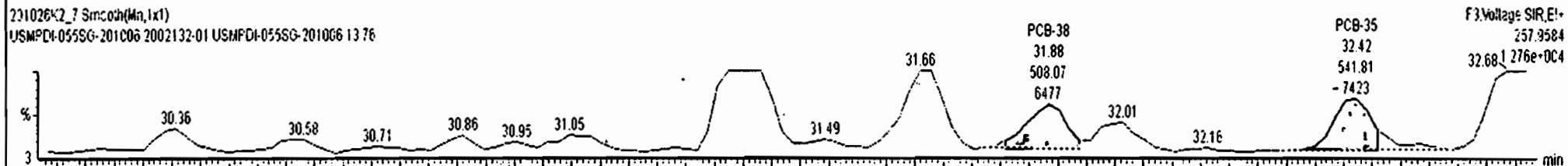
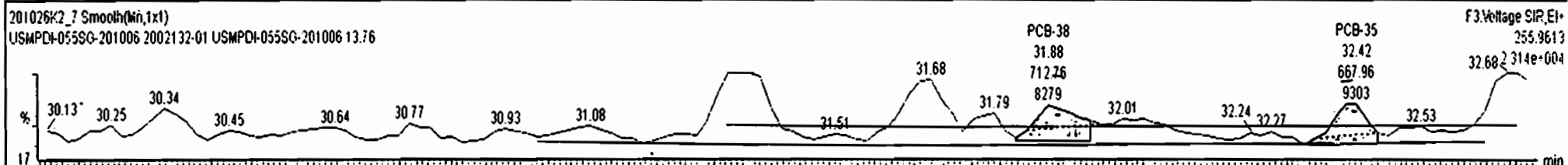
#	Name	Pred RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1	21 PCB-26	28.22	28.22	4.928e3	4.276e3	1.040	1.15	NO	13.678	13.678
2	22 PCB-25	28.37	28.39	3.745e3	3.516e3	1.040	1.07	NO	10.724	10.724
3	23 PCB-31	28.75	28.74	2.445e4	2.365e4	1.040	1.03	NO	65.116	65.116
4	24 PCB-28	28.85	28.85	2.920e4	2.657e4	1.040	1.10	NO	76.329	76.329



201026K2\_7-2002132-01 USMPDI-055SG-201006 13.76 USMPDI-055SG-201006

#	Name	Resp	RA	n/y	RRF	wVol	Pred RT	RT	Pred R...	RRT	RRT Fal	Conc.	%Rec	DL	EMPC
224	224 Total Mono-PCBs				1.1665	5.035	0.00		0.000		NO	14.32		1.04	14.32
225	225 Total Di-PCBs				1.0537	5.035	0.00		0.000		NO	97.64		6.54	97.64
226	226 2nd Function Tri-PCBs				1.0807	5.035	0.00		0.000		NO	97.93		4.59	97.93
227	227 3rd Function Tri-PCBs				0.9828	5.035	0.00		0.000		NO	252.51		9.46	252.51

#	Name	Pred RT	RT	m1 Resp	m2 Resp	* Ratio (Pred)	% RA	n/y	EMPC	Conc.
6	26 PCB-22	29.93	29.93	8.121e3	7.579e3	1.040	1.07	NO	22.639	22.639
7	29 PCB-38	31.86	31.88	7.128e2	5.081e2	1.040	1.40	YES	1.4172	0.00000
8	30 PCB-35	32.41	32.42	6.680e2	5.418e2	1.040	1.23	YES	1.5232	0.00000
9	31 PCB-37	32.85	32.85	9.623e3	8.947e3	1.040	1.08	NO	26.470	26.470

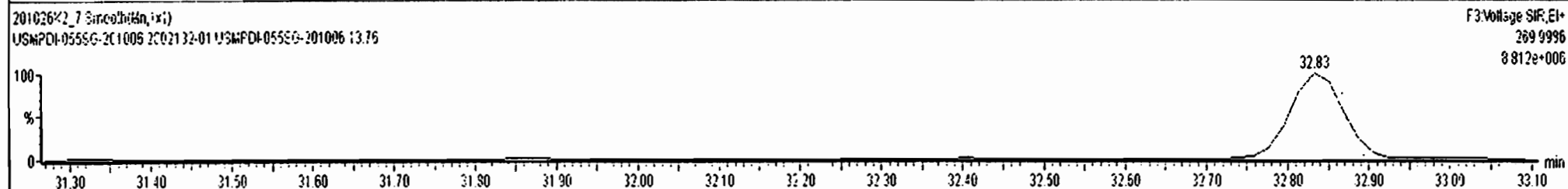
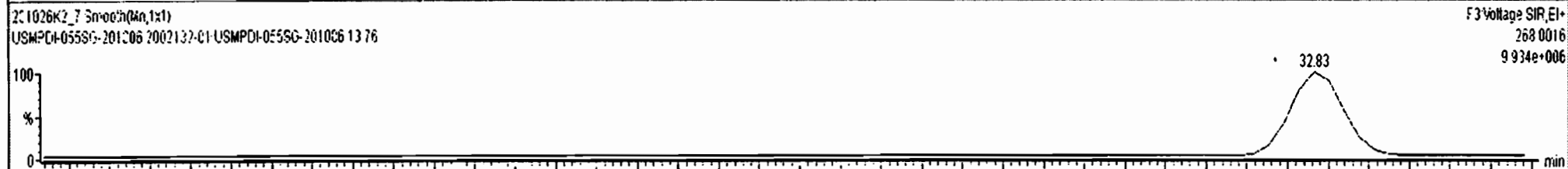
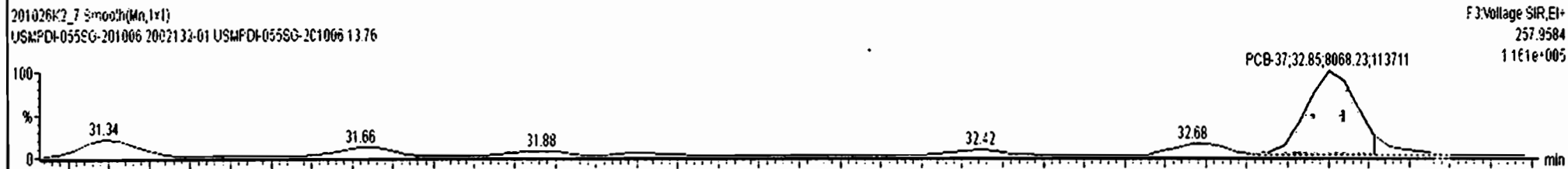
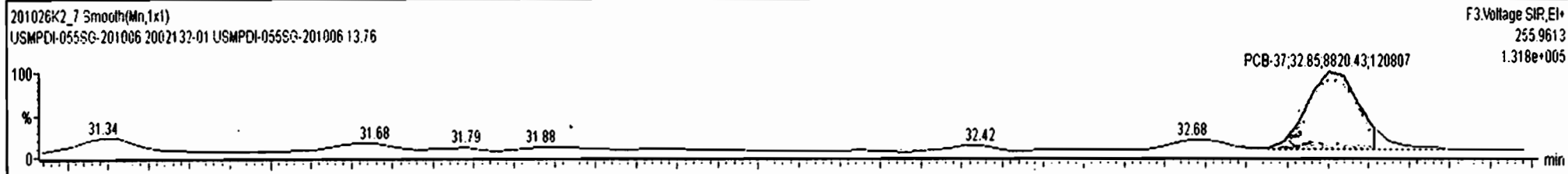




201026K2\_7\_2002132-01 USMPDI-055SG-201006-13.76 - USMPDI-055SG-201006

#	Name	Resp	RA	n/y	RRF	WVol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
224	Total Mono-PCBs				1.1665	5.035	0.00		0.000		NO	14.32		1.04	14.32
225	Total Di-PCBs				1.0537	5.035	0.00		0.000		NO	97.64		6.54	97.64
226	2nd Function Tri-PCBs				1.0807	5.035	0.00		0.000		NO	97.93		4.59	97.93
227	3rd Function Tri-PCBs				0.9828	5.035	0.00		0.000		NO	250.1		9.46	250.1

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	21 PCB-26	28.22	28.22	4.928e3	4.276e3	1.040	1.15	NO	13.678	13.678
2	22 PCB-25	28.37	28.39	3.745e3	3.516e3	1.040	1.07	NO	10.724	10.724
3	23 PCB-31	28.75	28.74	2.445e4	2.365e4	1.040	1.03	NO	65.116	65.116
4	24 PCB-28	28.85	28.85	2.920e4	2.657e4	1.040	1.10	NO	76.329	76.329



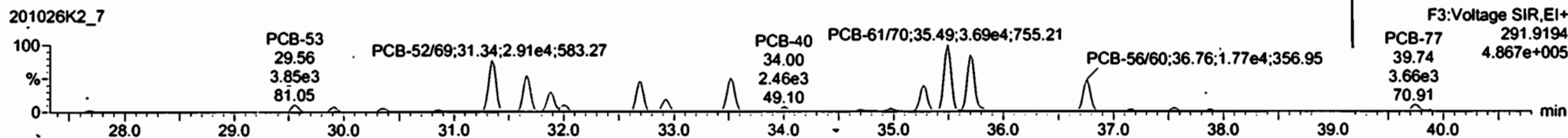
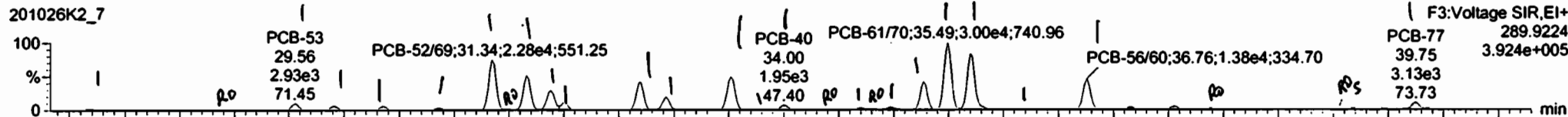
Dataset: Untitled

Last Altered: Tuesday, October 27, 2020 11:30:51 Pacific Daylight Time

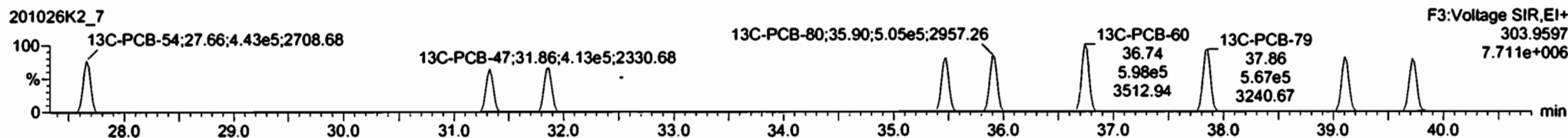
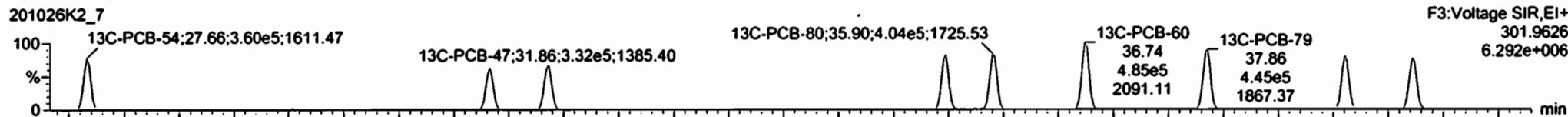
Printed: Tuesday, October 27, 2020 11:31:27 Pacific Daylight Time

Name: 201026K2\_7, Date: 27-Oct-2020, Time: 03:46:01, ID: 2002132-01 USMPDI-055SG-201006 13.76, Description: USMPDI-055SG-201006

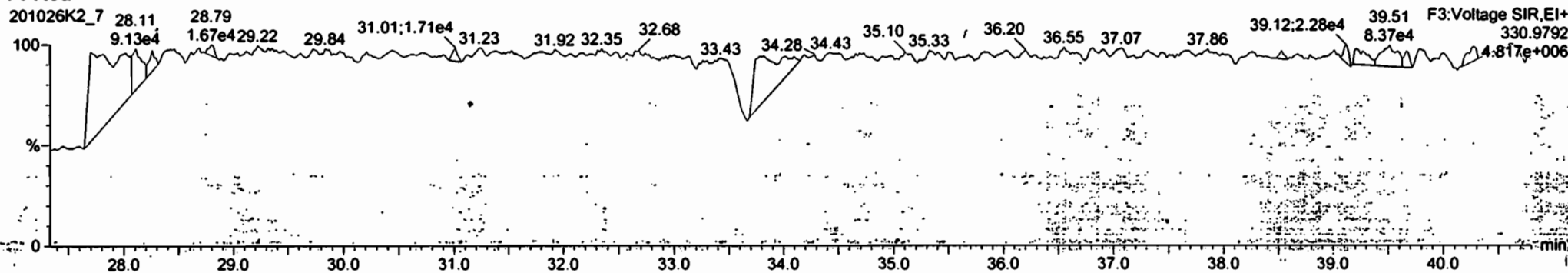
**PCB-54**



**13C-PCB-54**



**PFK3a**



Dataset: Untitled

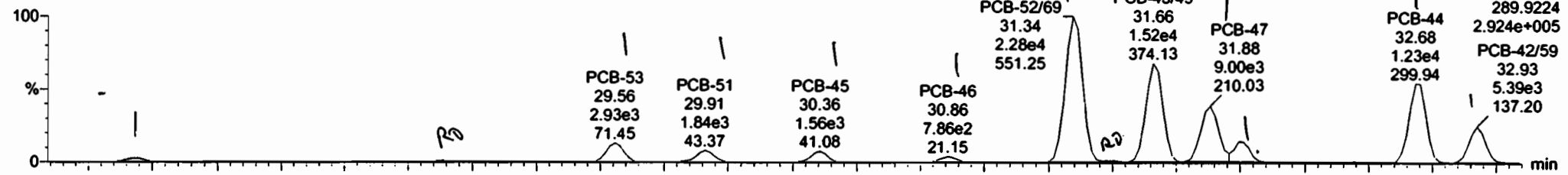
Last Altered: Tuesday, October 27, 2020 11:30:51 Pacific Daylight Time

Printed: Tuesday, October 27, 2020 11:31:27 Pacific Daylight Time

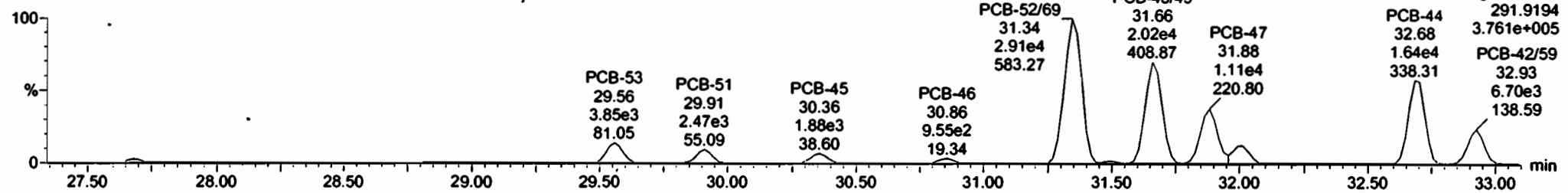
Name: 201026K2\_7, Date: 27-Oct-2020, Time: 03:46:01, ID: 2002132-01 USMPDI-055SG-201006 13.76, Description: USMPDI-055SG-201006

PCB-50

201026K2\_7

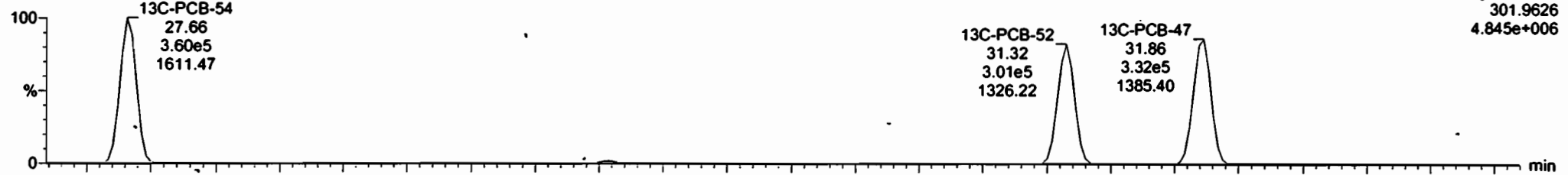


201026K2\_7

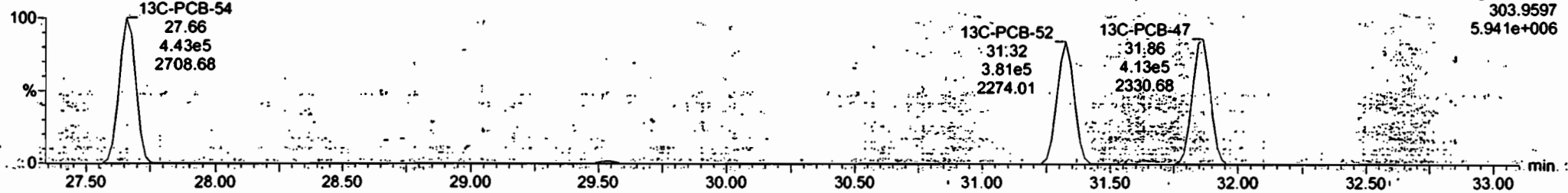


13C-PCB-52

201026K2\_7

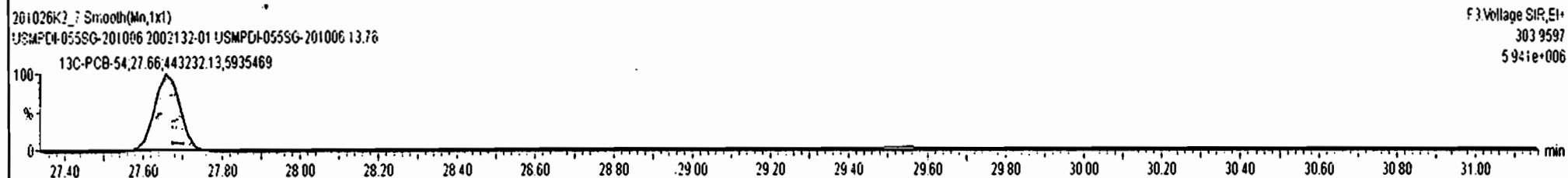
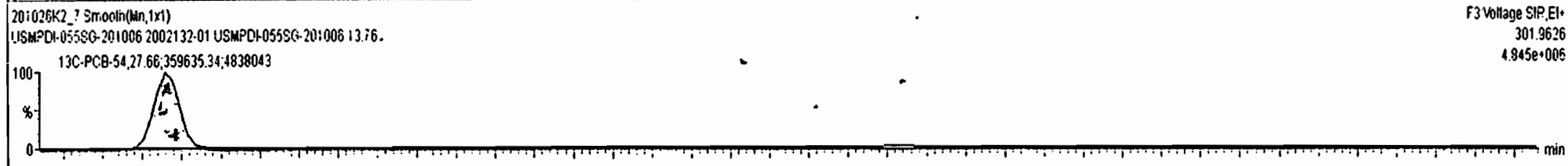
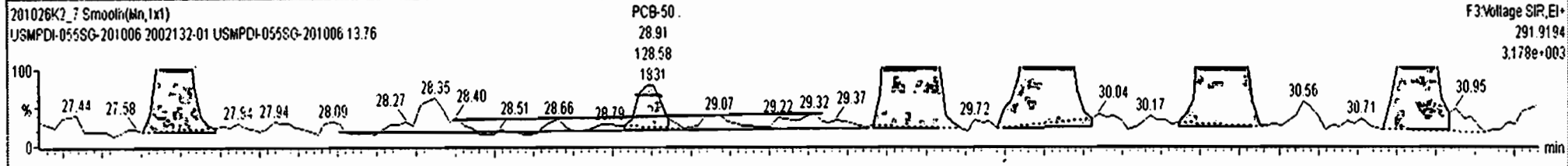
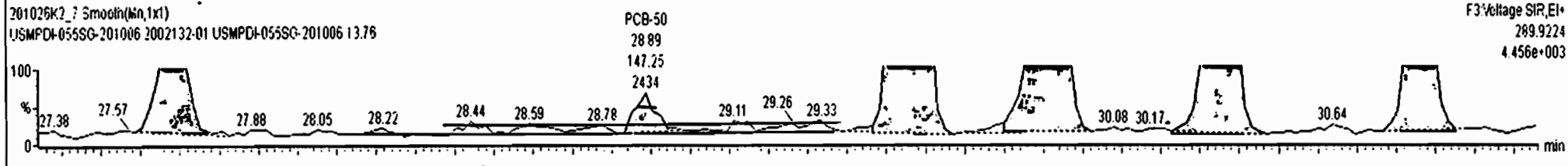


201026K2\_7



#	Name	Resp	RA	nly	RFf	wtVol	PredRT	RT	PredR...	RRT	PRT Fail	Conc.	%Rec	DL	EMPC
228	Total Tetra-PCBs				1.0778	5.035	0.00		0.000		NO	989.5		14.0	996.8
229	3rd Function Penta-PCBs				1.3157	5.035	0.00		0.000		NO	1253		15.0	1278
230	4th Function Penta-PCBs				1.0735	5.035	0.00		0.000		NO	84.10		1.99	85.12
231	3rd Function Hexa-PCBs				0.9505	5.035	0.00		0.000		NO	289.1		7.98	289.6

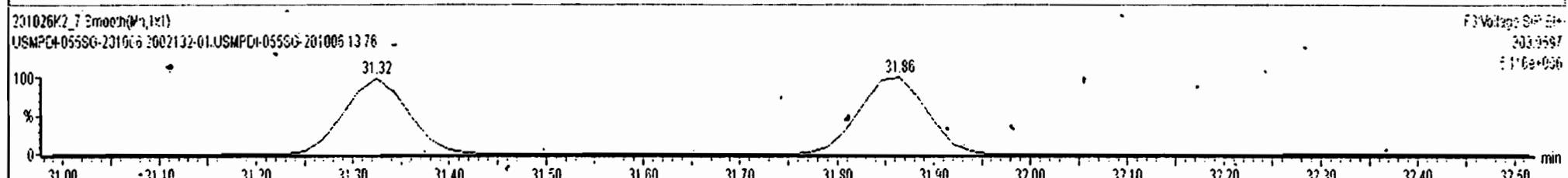
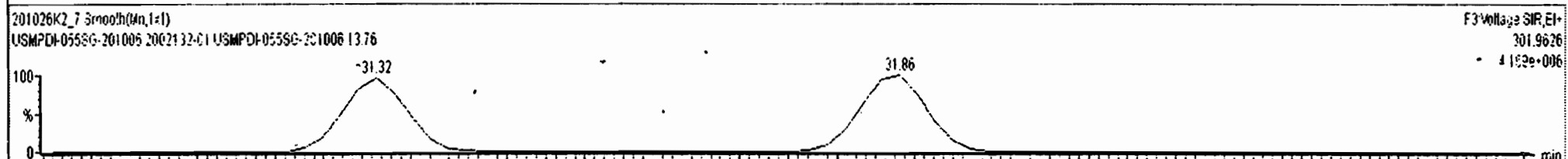
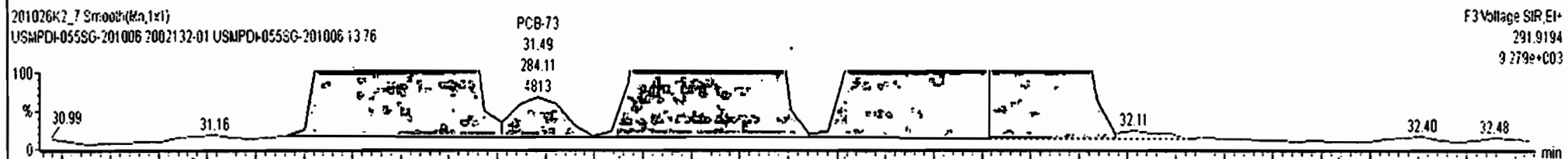
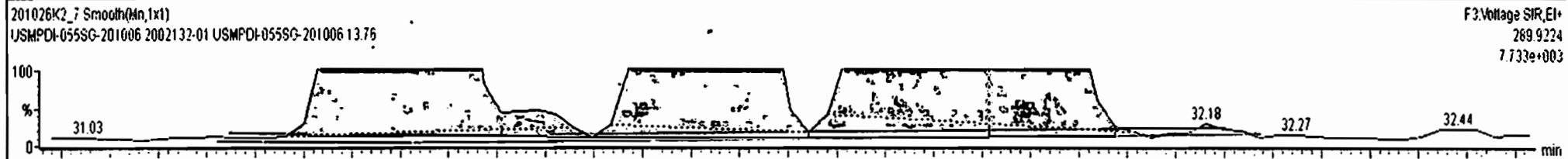
#	Name	PredRT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1	32 PCB-54	27.68	27.68	5.531e2	6.736e2	0.770	0.82	NO	2.8099	2.8099
2	33 PCB-50	28.89	28.89	1.473e2	1.286e2	0.770	1.15	YES	0.64005	0.00000
3	34 PCB-53	29.56	29.56	2.920e3	3.857e3	0.770	0.76	NO	19.790	19.790
4	35 PCB-51	29.92	29.91	1.819e3	2.518e3	0.770	0.72	NO	11.848	11.848
5	36 PCB-45	30.36	30.36	1.573e3	1.898e3	0.770	0.83	NO	11.771	11.771
6	37 PCB-48	30.86	30.86	7.084e2	9.078e2	0.770	0.89	NO	5.0548	5.0548

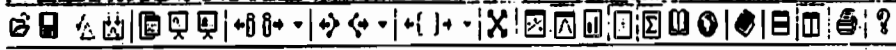


201026K2\_7 - 2002132-01 USMPDI-055SG-201006-13.76 - USMPDI-055SG-201006

#	Name	Resp	RA	nly	RRF	wtVol	Pred.RT	RT - Pred.R...	RRT	RRT Fal	Conc	%Rec	DL	EMPC
228	Total Tetra-PCBs				1.0778	5.035	0.00	0.000	NO		991.3		14.0	998.9
229	3rd Function Penta-PCBs				1.3157	5.035	0.00	0.000	NO		1253		15.0	1278
230	4th Function Penta-PCBs				1.0735	5.035	0.00	0.000	NO		84.10		1.99	85.12
231	3rd Function Hexa-PCBs				0.9505	5.035	0.00	0.000	NO		289.1		7.98	289.6

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1*Ratio (Pred)	RA	nly	EMPC	Conc
7	38 PCB-5269	31.36	31.34	2.285e4	2.913e4	0.770	0.78	NO	129.70	129.70
8	39 PCB-73	31.48	31.49	1.828e2	2.841e2	0.770	0.64	YES	0.84754	0.00000
9	40 PCB-4349	31.65	31.66	1.534e4	2.016e4	0.770	0.76	NO	101.68	101.68
10	41 PCB-47	31.88	31.88	9.339e3	1.106e4	0.770	0.84	NO	58.951	58.951
11	42 PCB-4875	32.00	31.99	2.995e3	3.509e3	0.770	0.85	NO	15.473	15.473
12	45 PCB-44	32.70	32.68	1.727e4	1.644e4	0.770	0.75	NO	92.074	92.074

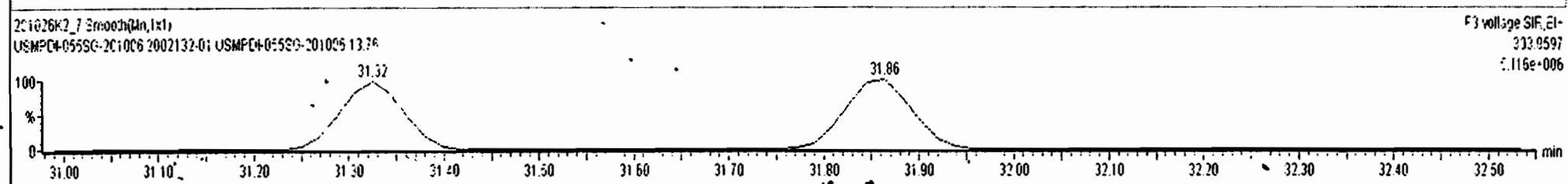
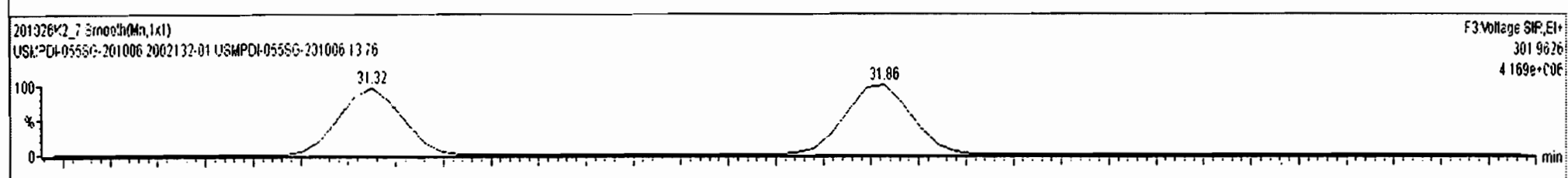
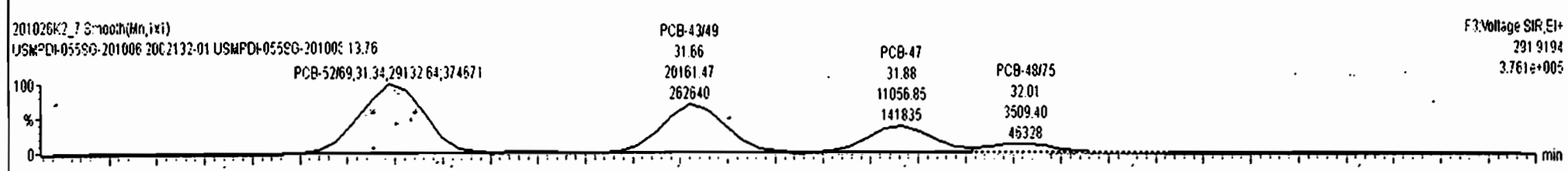
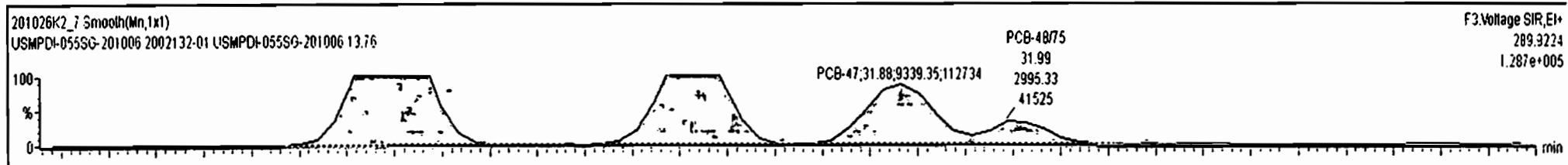




201026K2\_7 - 2002132-01 USMPDI-055SG-201006 13.76 # USMPDI-055SG-201006

#	Name	Resp	RA	nly	RRF	wVol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec.	DL	EMPC
228	Total Tetra-PCBs				1.0778	5.035	0.00		0.000		NO	991.3		14.0	996.9
229	3rd Function Penta-PCBs				1.3157	5.035	0.00		0.000		NO	1253		15.0	1278
230	4th Function Penta-PCBs				1.0735	5.035	0.00		0.000		NO	84.10		1.99	85.12
231	3rd Function Hexa-PCBs				0.9505	5.035	0.00		0.000		NO	789.1		7.98	799.6

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
7	PCB-5269	31.36	31.34	2.285e4	2.913e4	0.770	0.78	NO	129.70	129.70
8	PCB-73	31.48	31.49	1.828e2	2.841e2	0.770	0.64	YES	0.84754	0.00000
9	PCB-4349	31.65	31.66	1.534e4	2.016e4	0.770	0.76	NO	101.68	101.68
10	PCB-47	31.88	31.88	9.339e3	1.106e4	0.770	0.84	NO	58.951	58.951
11	PCB-4875	32.00	31.99	2.995e3	3.509e3	0.770	0.85	NO	15.473	15.473
12	PCB-44	32.70	32.68	1.232e4	1.644e4	0.770	0.75	NO	92.974	92.974
13	PCB-4269	32.93	32.92	5.393e3	6.698e3	0.770	0.81	NO	30.691	30.691

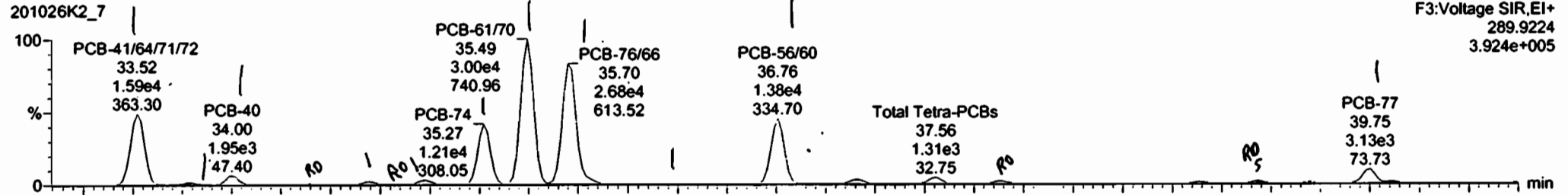


Dataset: Untitled

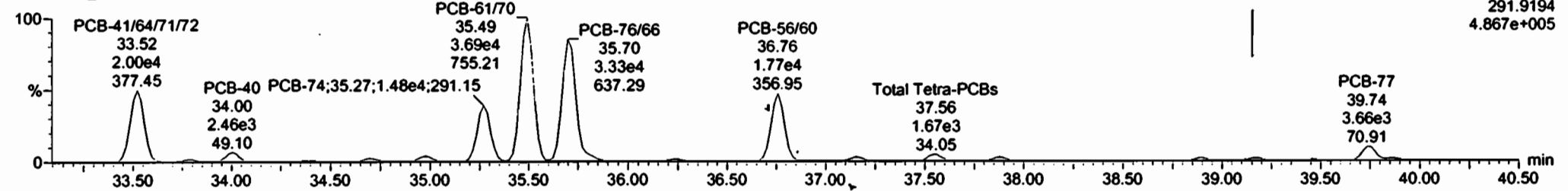
Last Altered: Tuesday, October 27, 2020 11:30:51 Pacific Daylight Time  
Printed: Tuesday, October 27, 2020 11:31:27 Pacific Daylight Time

Name: 201026K2\_7, Date: 27-Oct-2020, Time: 03:46:01, ID: 2002132-01 USMPDI-055SG-201006 13.76, Description: USMPDI-055SG-201006

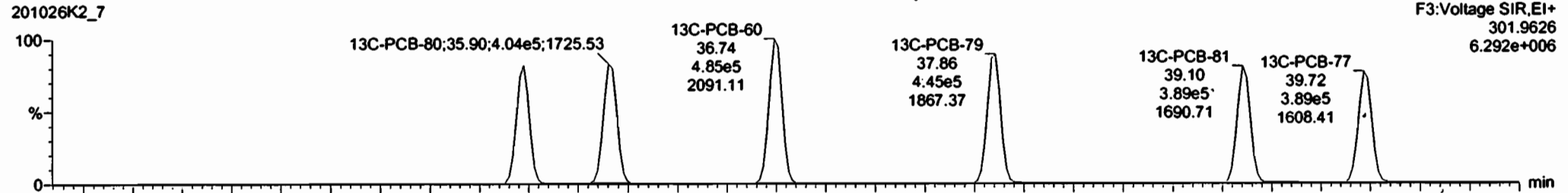
**PCB-68**



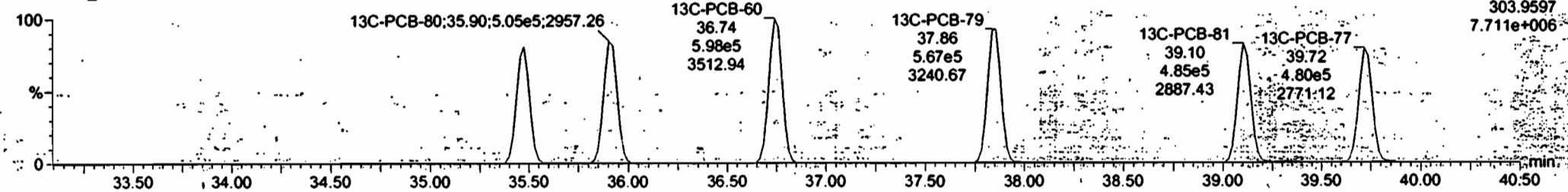
201026K2\_7

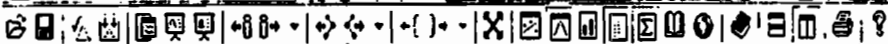


**13C-PCB-60**



201026K2\_7

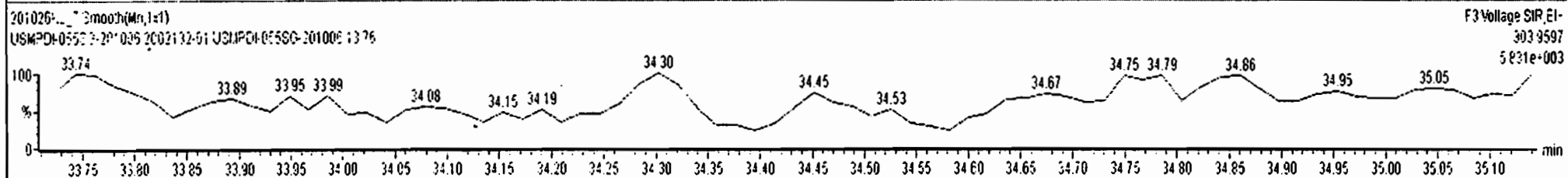
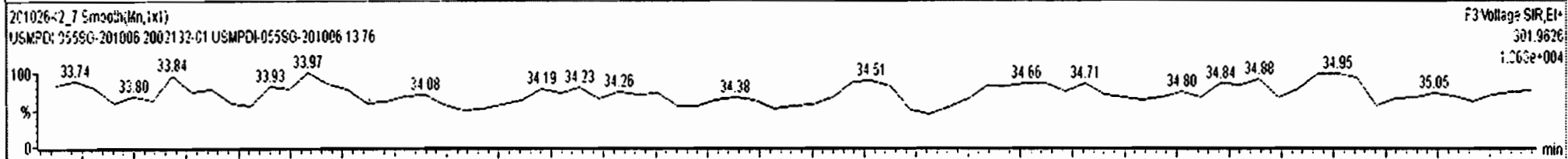
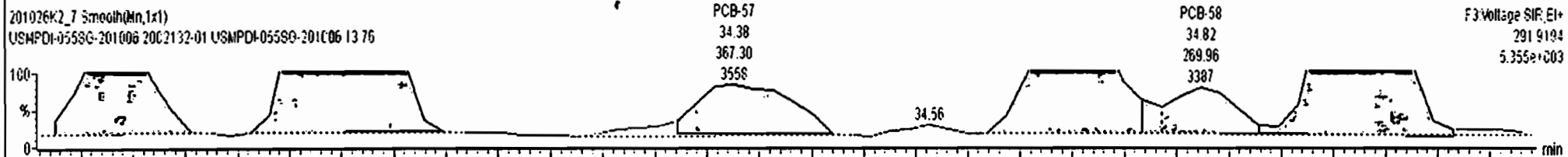
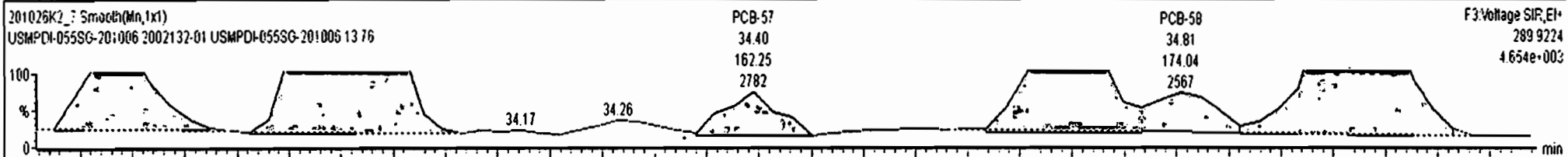




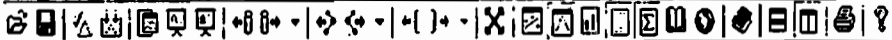
201026K2\_7 - 2002132-01 USMPDI-055SG-201006 13 76 USMPDI-055SG-201006

#	Name	Resp.	RA	nly	RRF	wtVol	Pred.RT	RT	Pred.R...	RRT	PRT Fal	Conc.	%Rec	DL	EMPC
228	Total Tetra-PCBs				1.0778	5.035	0.00		0.000		NO	990.3		14.0	998.7
229	3rd Function Penta-PCBs				1.3157	5.035	0.00		0.000		NO	1253		15.0	1278
230	4th Function Penta-PCBs				1.0735	5.035	0.00		0.000		NO	84.10		1.99	85.12
231	3rd Function Hexa-PCBs				0.9505	5.035	0.00		0.000		NO	289.1		7.98	289.6

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1*Ratio (Pred)	RA	nly	EMPC	Conc.
15	48 PCB-68	33.80	33.78	3.991e2	5.475e2	0.770	0.73	NO	1.9739	1.9739
16	49 PCB-40	34.02	34.00	1.957e3	2.449e3	0.770	0.80	NO	19.499	19.499
17	50 PCB-57	34.38	34.40	1.622e2	3.673e2	0.770	0.44	YES	0.73293	0.00000
18	51 PCB-67	34.69	34.69	6.613e2	8.377e2	0.770	0.79	NO	3.1601	3.1601
19	52 PCB-58	34.82	34.81	1.740e2	2.700e2	0.770	0.64	YES	0.75939	0.00000
20	53 PCB-63	34.97	34.97	1.056e3	1.416e3	0.770	0.75	NO	5.2691	5.2691



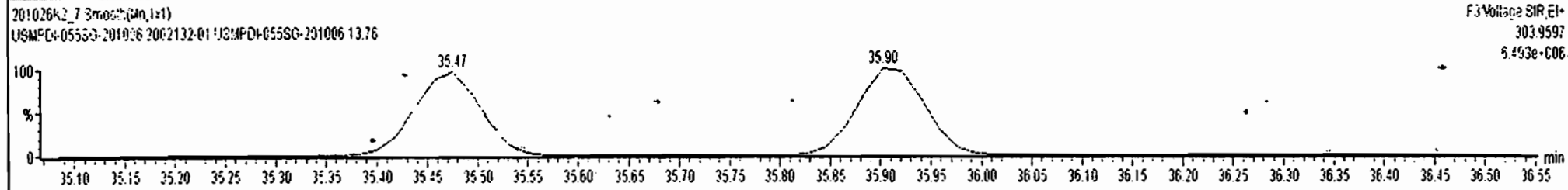
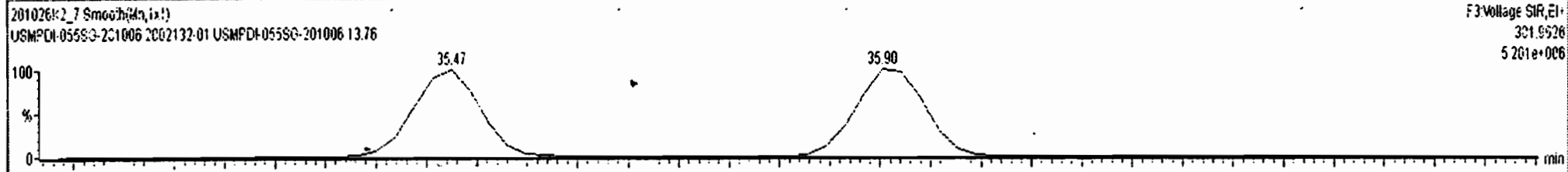
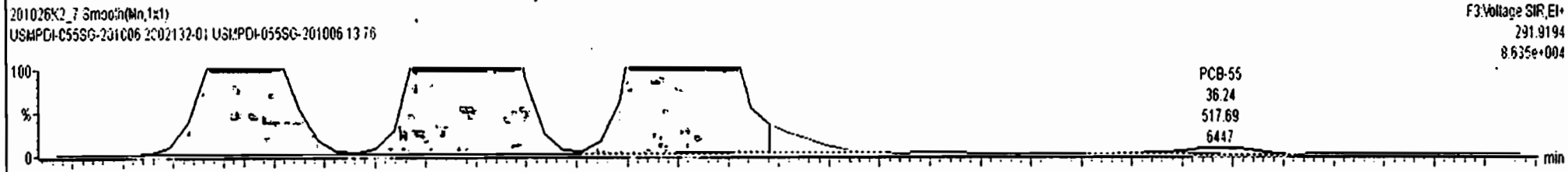
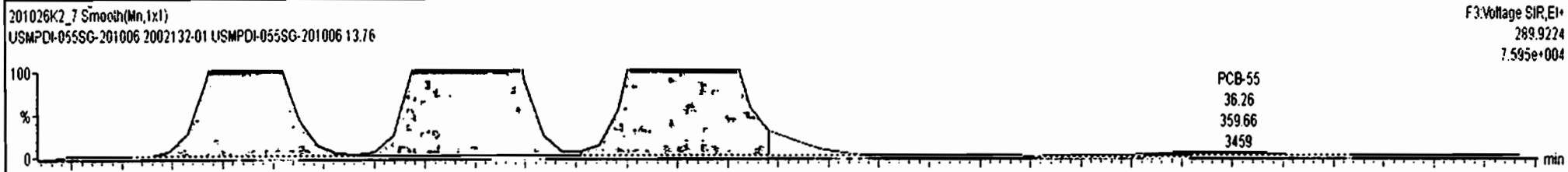




201026K2\_7 - 2002132-01 USMPDI-055SG-201006 13.76 - USMPDI-055SG-201006

#	Name	Resp	RA	n/y	RRF	wAol	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	Total Tetra-PCBs				1.0778	5.035	0.00		0.000		NO	3997.1		14.0	993.7
229	3rd Function Pente-PCBs				1.3157	5.035	0.00		0.000		NO	1253		15.0	1278
230	4th Function Pente-PCBs				1.0735	5.035	0.00		0.000		NO	84.10		1.99	85.12
231	3rd Function Hexa-PCBs				0.9505	5.035	0.00		0.000		NO	289.1		7.98	389.6

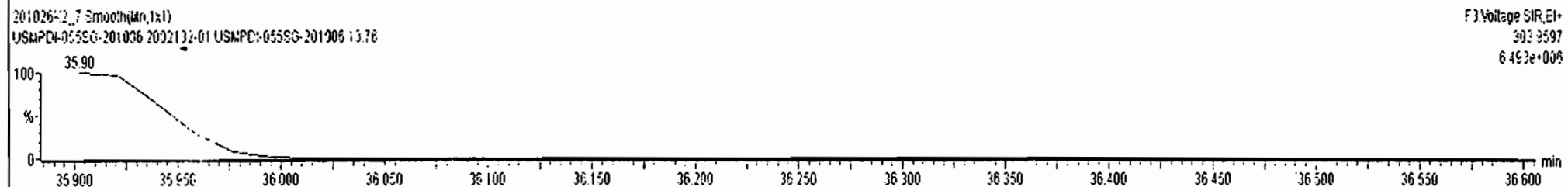
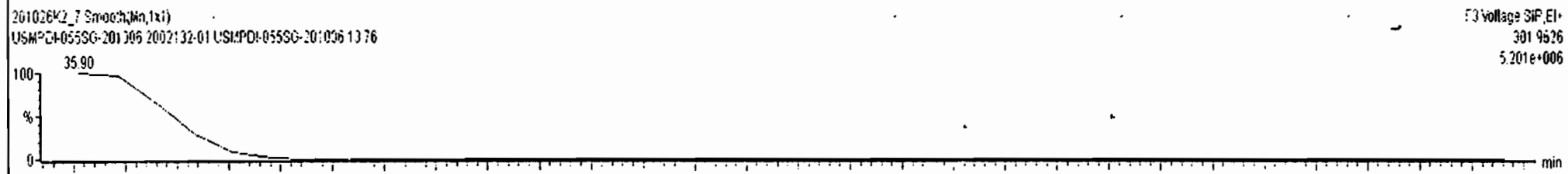
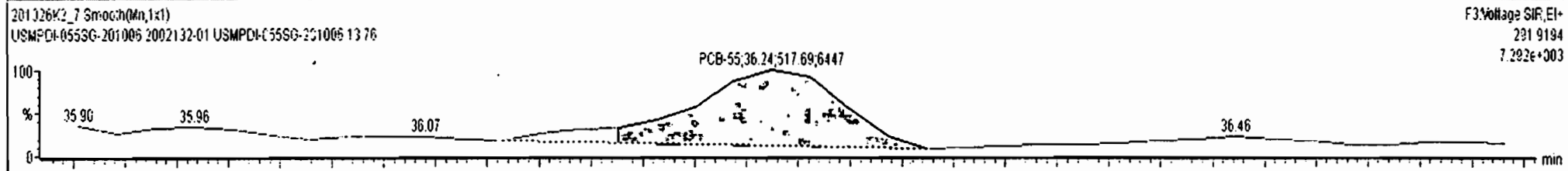
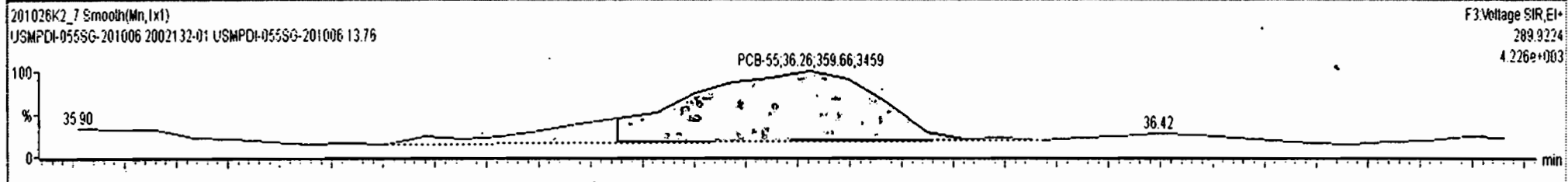
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	* Ratio (Pred)	RA	n/y	EMPC	Conc.
26	PCB-75	37.88	37.89	5.467e2	9.372e2	0.770	0.58	YES	2.4113	0.00000
27	PCB-78	38.58	38.53	1.619e2	2.341e2	0.770	0.69	NO	0.79188	0.79188
28	PCB-81	39.12	39.18	2.307e2	4.027e2	0.770	0.57	YES	1.1516	0.00000
29	PCB-77	39.74	39.75	3.122e3	3.648e3	0.770	0.86	NO	13.613	13.613

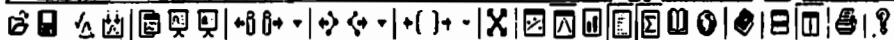


201026K2-7\_2002132-01 USMPDI-055SG-201006 13.76 USMPDI-055SG-201006

#	Name	Resp	RA	nly	RRF	wtVol	Pred RT	RT	Pred R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	228 Total Tetra-PCBs				1.0778	5.035	0.00		0.000		NO	986.4		14.0	994.8
229	229 3rd Function Penta-PCBs				1.3157	5.035	0.00		0.000		NO	1253		15.0	1278
230	230 4th Function Penta-PCBs				1.0735	5.035	0.00		0.000		NO	64.10		1.99	85.12
231	231 3rd Function Hexa-PCBs				0.9505	5.035	0.00		0.000		NO	289.1		7.98	389.6

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>o</sup> Ratio (Pred)	RA	nly	EMPC	Conc.
21	54 PCB-74	35.28	35.27	1.210e4	1.477e4	0.770	0.82	NO	51.816	51.816
22	55 PCB-6170	35.49	35.49	3.000e4	3.694e4	0.770	0.81	NO	145.12	145.12
23	56 PCB-7666	35.68	35.70	2.602e4	3.222e4	0.770	0.81	NO	114.32	114.32
24	58 PCB-55	36.26	36.26	3.597e2	5.177e2	0.770	0.69	NO	1.6394	1.6394

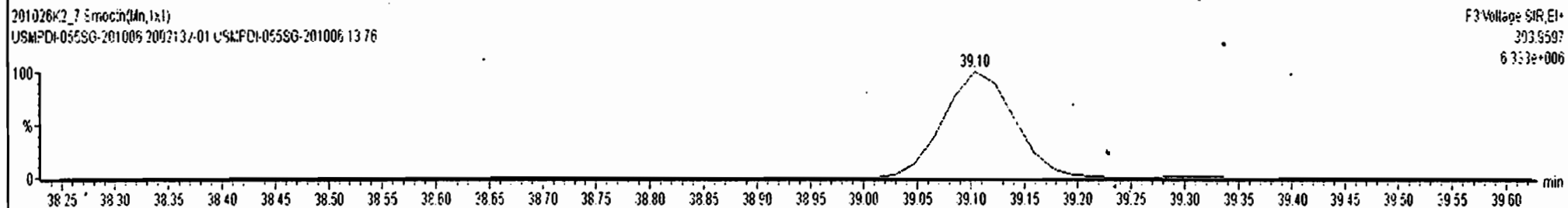
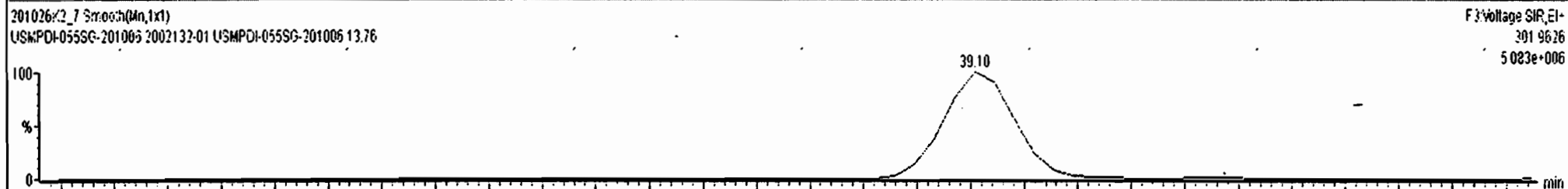
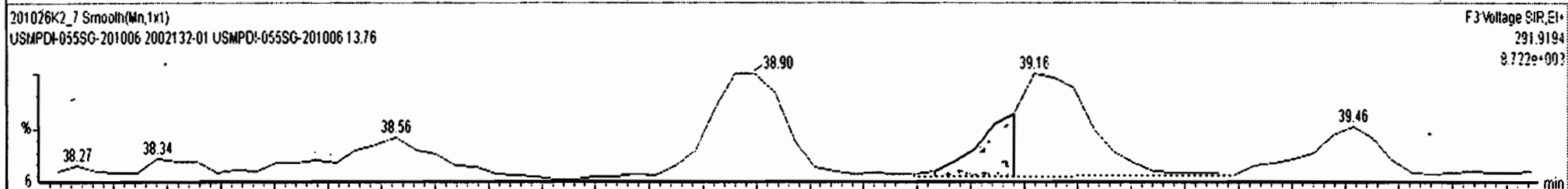
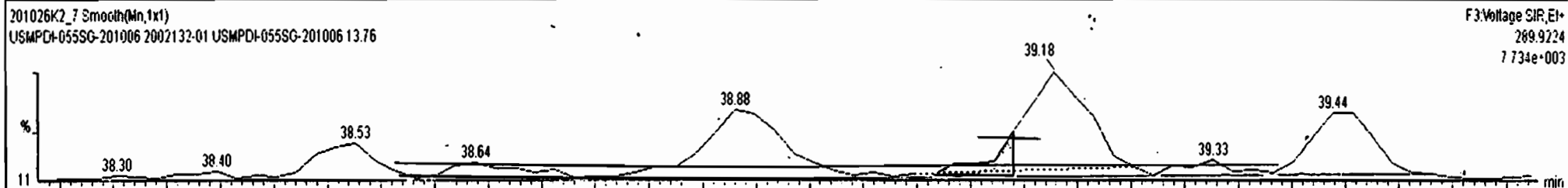




201026K2\_7 - 2002132-01 USMPOI-055SG-201006 13.76 - USMPOI-055SG-201006

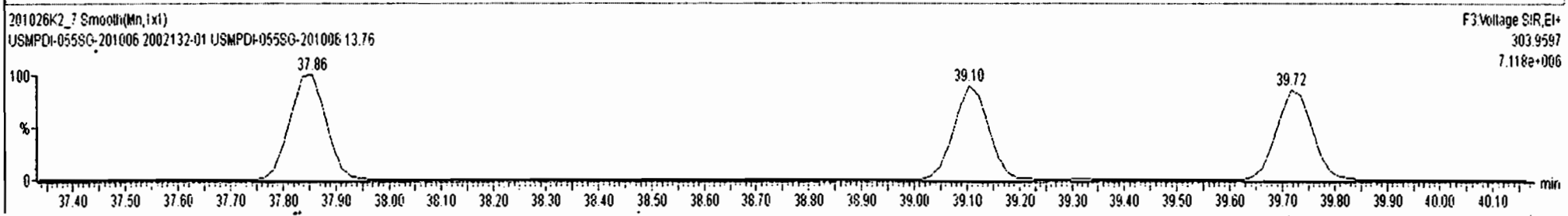
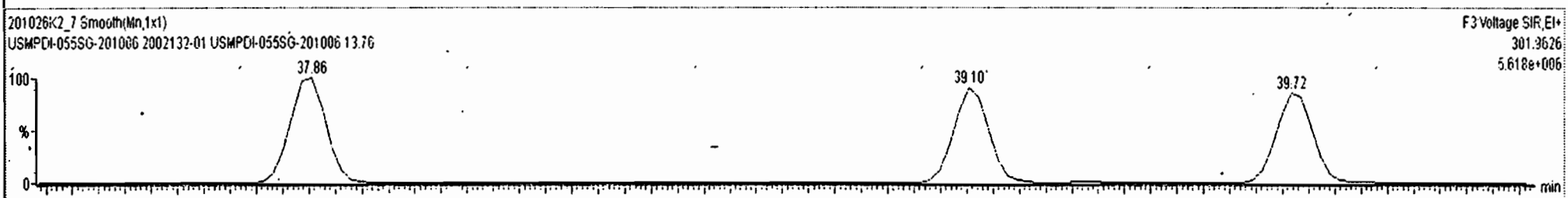
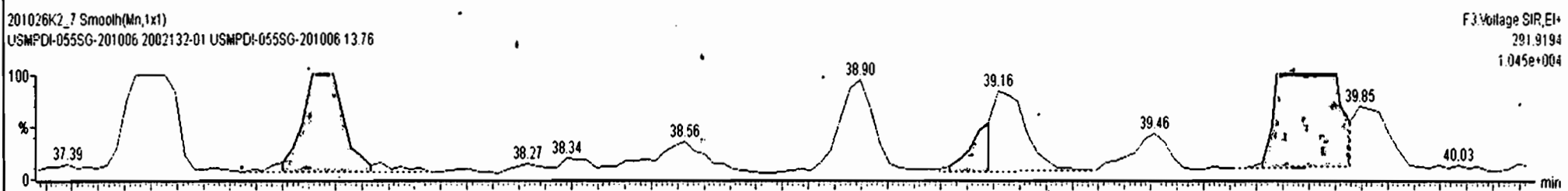
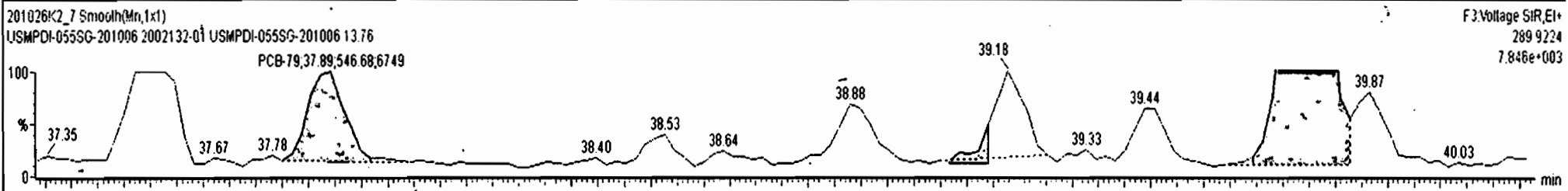
#	Name	Pred RT	RT	m1 Resp	m2 Resp	Pred RA	RA	n/y	EMPC	Conc	Primer	1° Det
1	46 PCB-42/59	32.93	32.92	5.393e3	6.698e3	0.770	0.81	NO	30.691	30.691	db	db
2	45 PCB-44	32.70	32.68	1.232e4	1.644e4	0.770	0.75	NO	92.974	92.974	bd	bd

#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wtVol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
227	227 3rd Function Tri-PCBs							5.035	0.00			0.000	NO	250.1		9.46	250.1
228	228 Total Tetra-PCBs							5.035	0.00			0.000	NO	986.3		14.0	992.1
229	229 3rd Function Dexta, DRCe							5.035	0.00			0.000	NO	1289		15.0	1284



#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	46 PCB-4269	32.93	32.92	5.393e3	6.696e3	0.770	0.81	NO	30.691	30.691
2	45 PCB-44	32.70	32.68	1.232e4	1.644e4	0.770	0.75	NO	92.974	92.974

#	Name	Resp	RA	n/y	RRF	wtAol	Pred.RT	RT	Pred.RT	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
1	1 PCB-1	1.93e3	2.73	NO	1.1683	5.035	15.59	15.59	1.001	1.001	NO	3.685		0.341	3.685
2	2 PCB-2	3.89e3	2.95	NO	1.1826	5.035	18.01	18.01	0.988	0.988	NO	7.052		0.344	7.052
3	3 PCB-3	1.92e3	3.03	NO	1.1683	5.035	18.73	18.73	1.001	1.001	NO	3.687		0.341	3.687



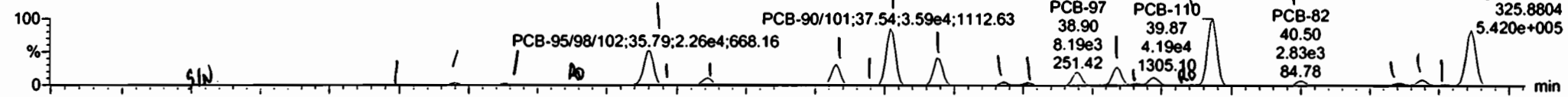
Dataset: Untitled

Last Altered: Tuesday, October 27, 2020 11:30:51 Pacific Daylight Time  
Printed: Tuesday, October 27, 2020 11:31:27 Pacific Daylight Time

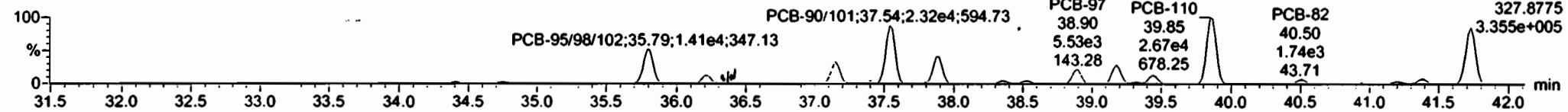
Name: 201026K2\_7, Date: 27-Oct-2020, Time: 03:46:01, ID: 2002132-01 USMPDI-055SG-201006 13.76, Description: USMPDI-055SG-201006

**PCB-104**

201026K2\_7

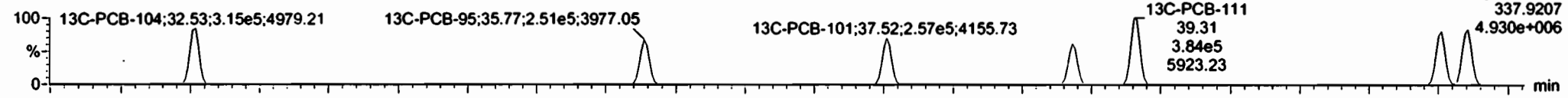


201026K2\_7

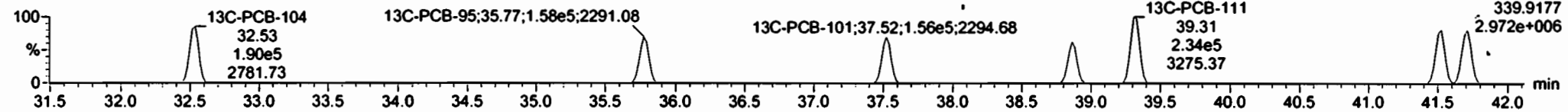


**13C-PCB-104**

201026K2\_7

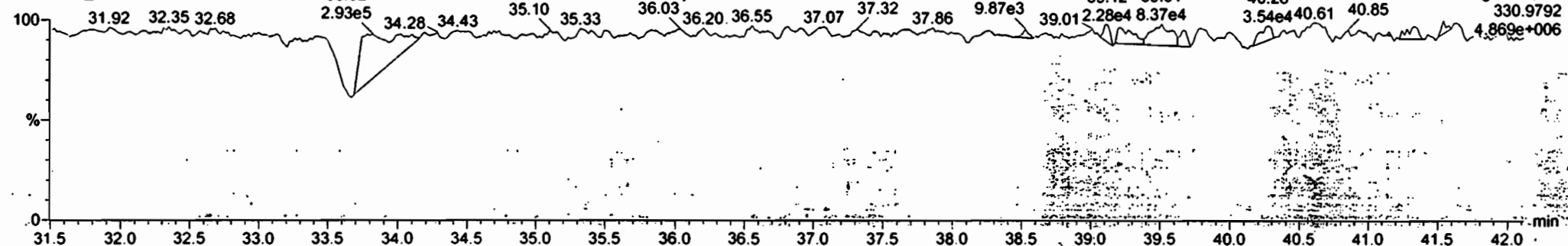


201026K2\_7



**PFK3b**

201026K2\_7



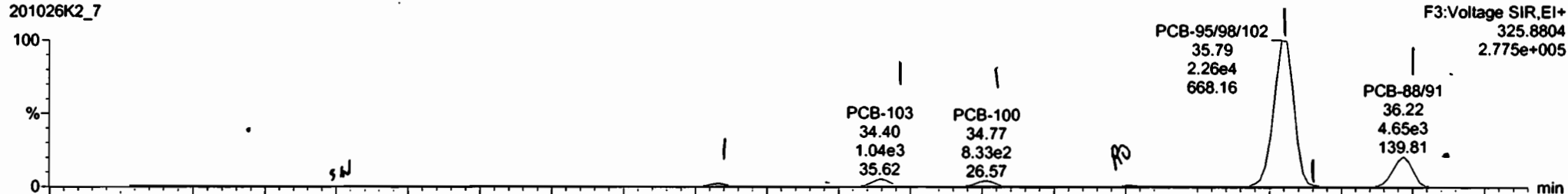
Dataset: Untitled

Last Altered: Tuesday, October 27, 2020 11:30:51 Pacific Daylight Time  
Printed: Tuesday, October 27, 2020 11:31:27 Pacific Daylight Time

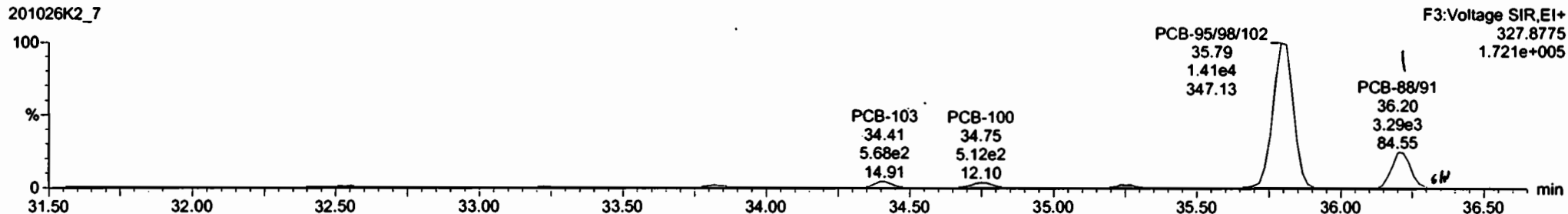
Name: 201026K2\_7, Date: 27-Oct-2020, Time: 03:46:01, ID: 2002132-01 USMPDI-055SG-201006 13.76, Description: USMPDI-055SG-201006

PCB-96

201026K2\_7



201026K2\_7

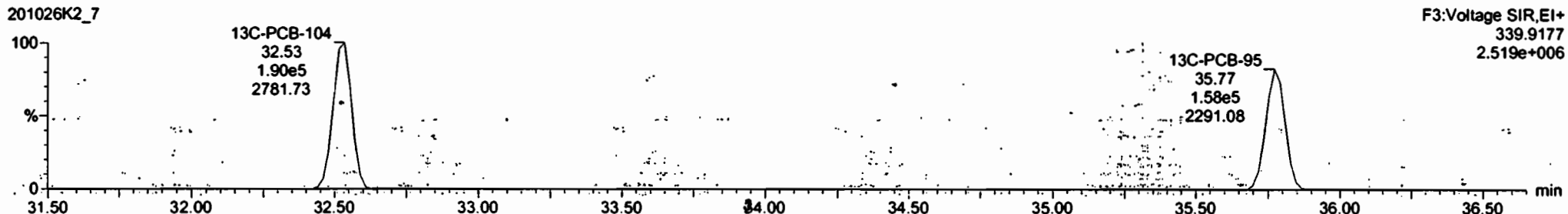


13C-PCB-95

201026K2\_7



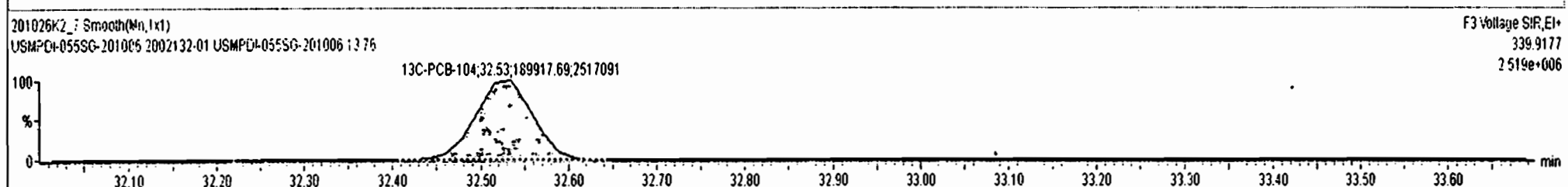
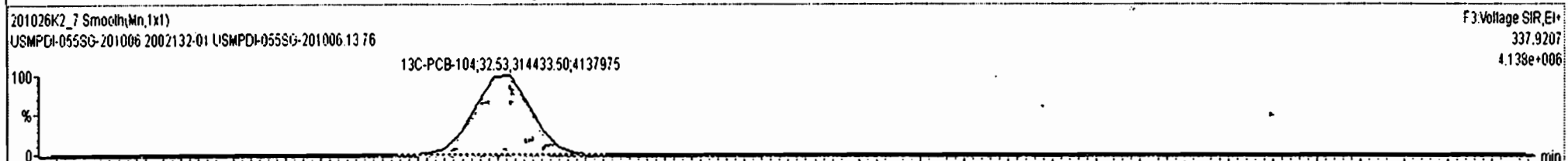
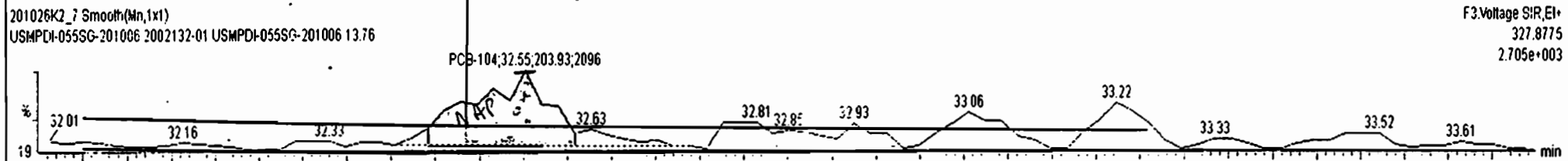
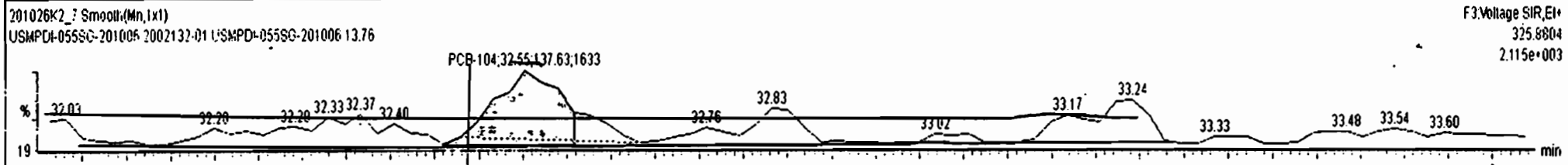
201026K2\_7



201026K2\_7 - 2002132-01 USMPDI-055SG-201006-1376 - USMPDI-055SG-201006

#	Name	Resp	RA	nly	RRF	wVol	Pred RT	RT	Pred R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
229	3rd Function Penta-PCBs				1.3157	5.035	0.00		0.000		NO	1253		15.0	1278
230	4th Function Penta-PCBs				1.0735	5.035	0.00		0.000		NO	84.10		1.99	85.12
231	3rd Function Hexa-PCBs				0.9505	5.035	0.00		0.000		NO	289.1		7.98	389.6
232	4th Function Hexa-PCBs				1.0316	5.035	0.00		0.000		NO	932.0		8.71	936.8

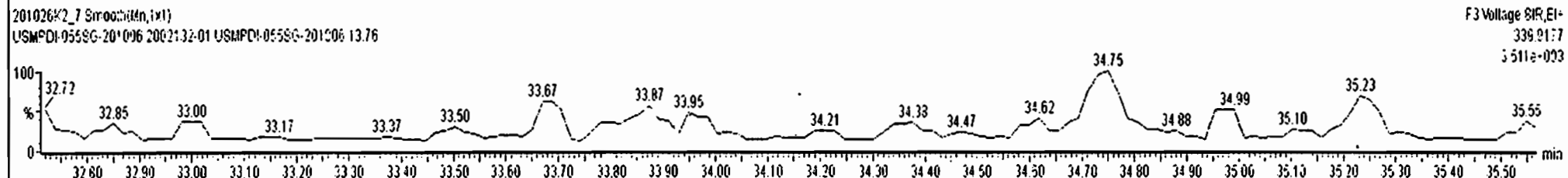
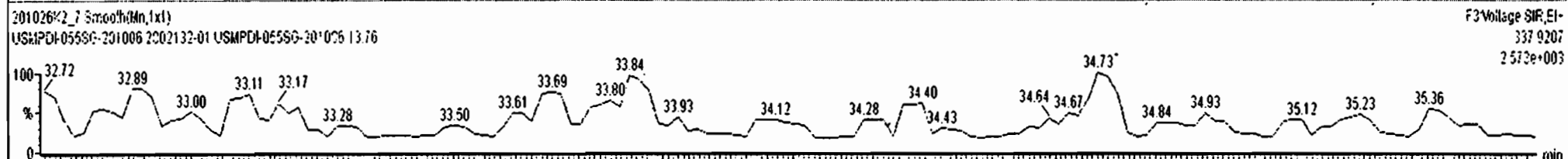
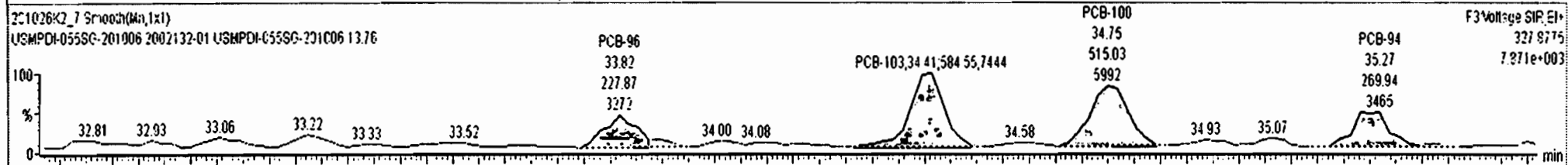
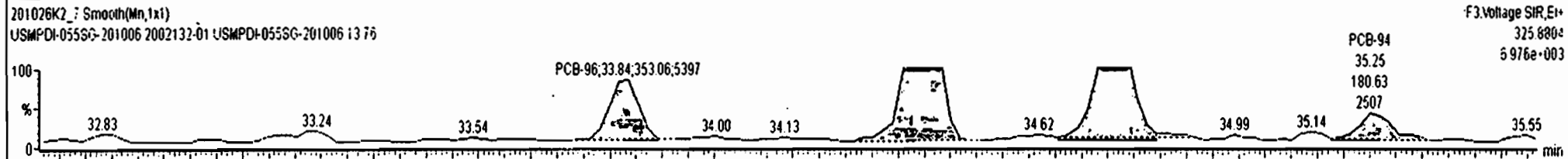
#	Name	Pred RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1	73 PCB-84/92	37.15	37.15	1.253e4	8.270e3	1.560	1.52	NO	98.373	98.373
2	71 PCB-88/91	36.20	36.22	4.654e3	3.286e3	1.560	1.42	NO	36.181	36.181
3	69 PCB-95/96/102	35.72	35.79	2.265e4	1.406e4	1.560	1.61	NO	147.88	147.88
4	68 PCB-94	35.25	35.25	1.806e2	2.699e2	1.560	0.67	YES	1.5157	0.00000
5	67 PCB-100	34.79	34.77	8.608e2	5.150e2	1.560	1.67	NO	5.6812	5.6812



201026K2\_7 2002132-01 USMPDI-055SG-201006 13.76 USMPDI-055SG-201006

#	Name	Resp	RA	nly	RRF	wVvol	PredRT	RT	PredR..	RRT	RRT Fail	Conc:	%Rec	DL	EMPC
229	3rd Function Penta-PCBs				1.3157	5.035	0.00		0.000		NO	1260		15.0	1278
230	4th Function Penta-PCBs				1.0735	5.035	0.00		0.000		NO	84.10		1.99	85.12
231	3rd Function Hexa-PCBs				0.9505	5.035	0.00		0.000		NO	289.1		7.98	389.6
232	4th Function Hexa-PCBs				1.0316	5.035	0.00		0.000		NO	932.0		8.21	936.8

#	Name	PredRT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	64 PCB-104	32.55	32.55	1.376e2	2.039e2	1.560	0.67	YES	0.79255	0.00000
2	65 PCB-96	33.86	33.84	3.531e2	2.279e2	1.560	1.55	NO	1.9825	1.9825
3	66 PCB-103	34.41	34.40	1.046e3	5.846e2	1.560	1.79	NO	6.8560	6.8560
4	67 PCB-100	34.79	34.77	8.608e2	5.150e2	1.560	1.67	NO	5.6812	5.6812
5	68 PCB-94	35.25	35.25	1.806e2	2.699e2	1.560	0.67	YES	1.5157	0.00000

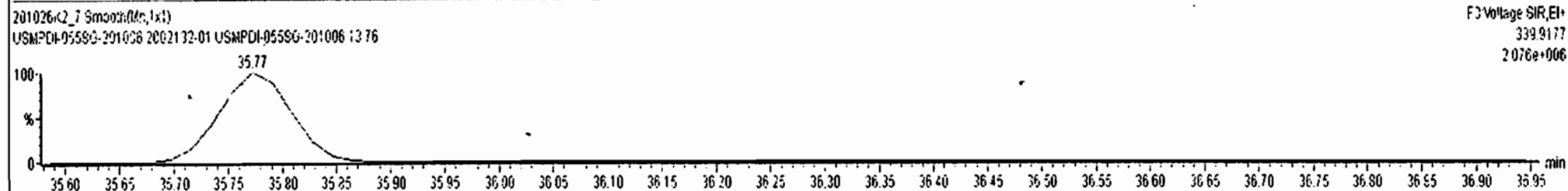
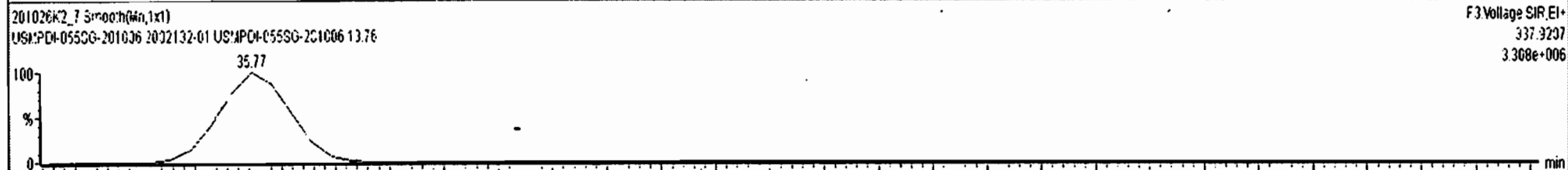
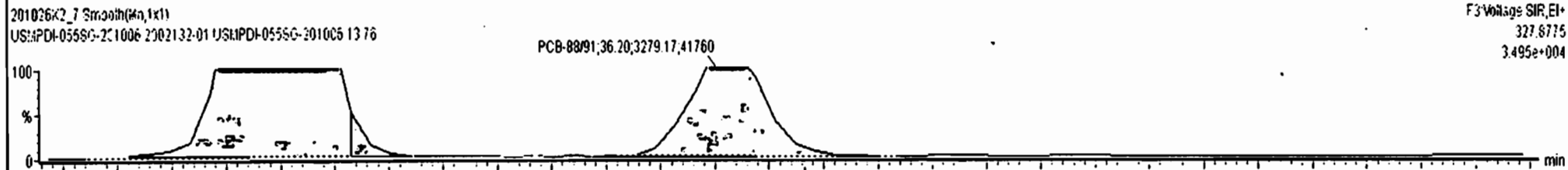
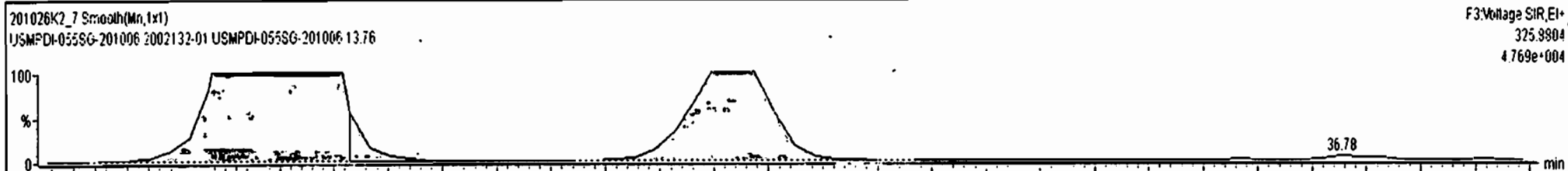




201026K2\_7\_2002132-01 USMPDI-055SG-201006 13.76 USMPDI-055SG-201006

#	Name	Resp	RA	nly	RRF	wVol	Pred RT	RT	Pred R...	RRT	RRT Fal	Conc.	%Rec	DL	EMPC
1	246 4th Function Hexa-Isotopes				1.2980	5.035	0.00		0.000		NO	14900		10.6	0.0000
2	243 Tetra-Isotopes				0.9678	5.035	0.00		1.000		NO	14830		13.8	0.0000
3	244 3rd Function Penta-Isotopes				0.8899	5.035	0.00		0.000		NO	11960		6.97	0.0000

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>o</sup> Ratio (Pred)	RA	nly	EMPC	Conc.
6	69 PCB-95/98/102	35.72	35.79	2.219e4	1.375e4	1.560	1.61	NO	144.76	144.76
7	70 PCB-93	35.87	35.87	4.596e2	2.708e2	1.560	1.70	NO	3.7903	3.7903
8	71 PCB-88/91	36.20	36.22	4.630e3	3.279e3	1.560	1.41	NO	36.039	36.039
9	72 PCB-121	36.31	36.31	2.031e1	1.059e1	1.560	1.92	YES	0.076920	0.000000

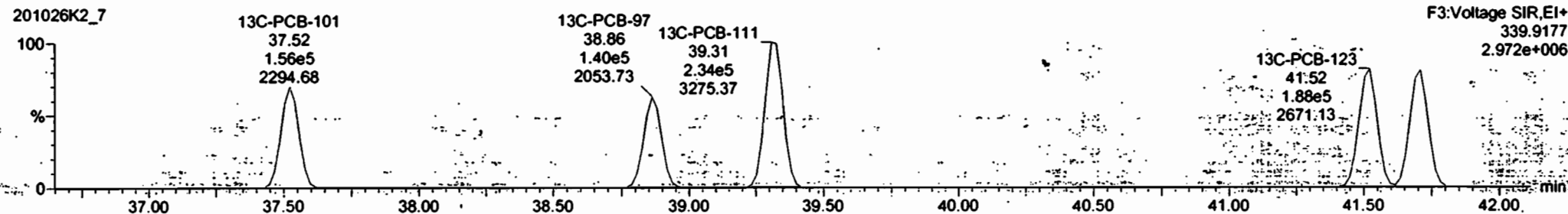
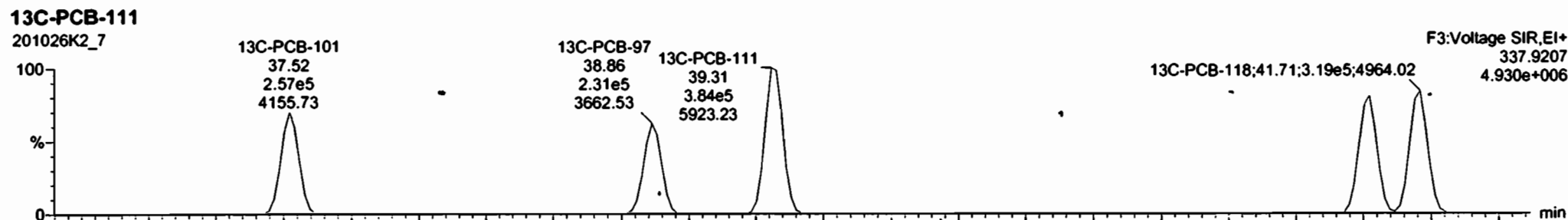
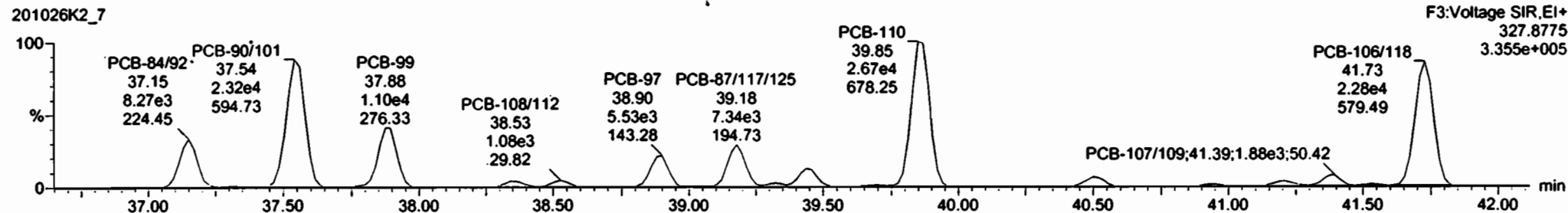
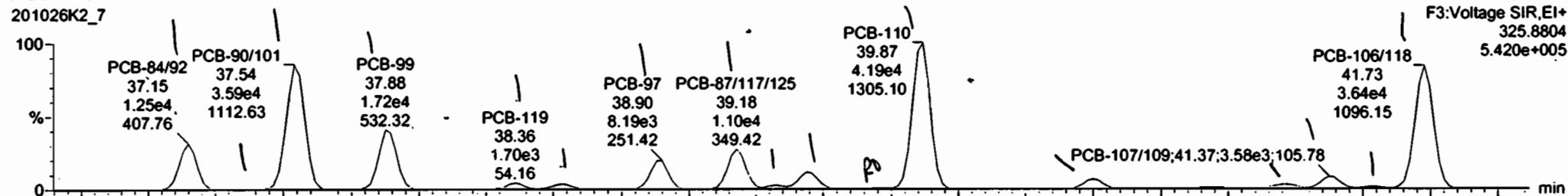


Dataset: Untitled

Last Altered: Tuesday, October 27, 2020 11:30:51 Pacific Daylight Time  
Printed: Tuesday, October 27, 2020 11:31:27 Pacific Daylight Time

Name: 201026K2\_7, Date: 27-Oct-2020, Time: 03:46:01, ID: 2002132-01 USMPDI-055SG-201006 13.76, Description: USMPDI-055SG-201006

PCB-119

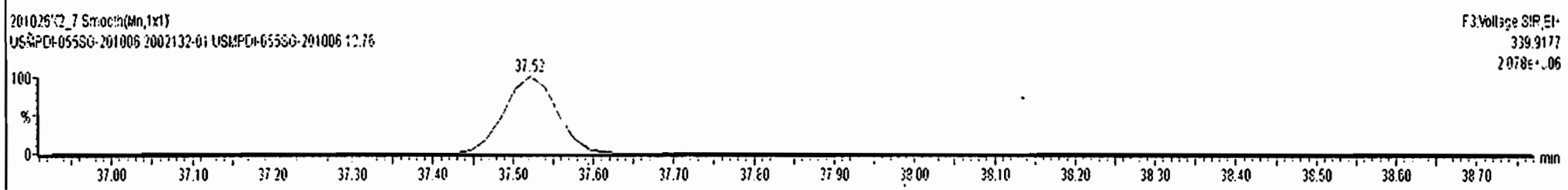
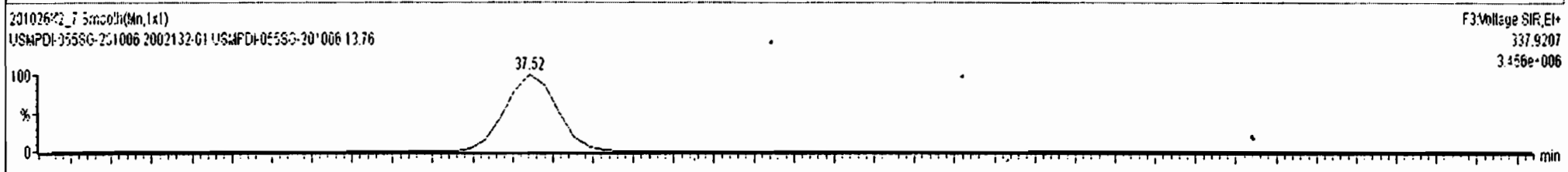
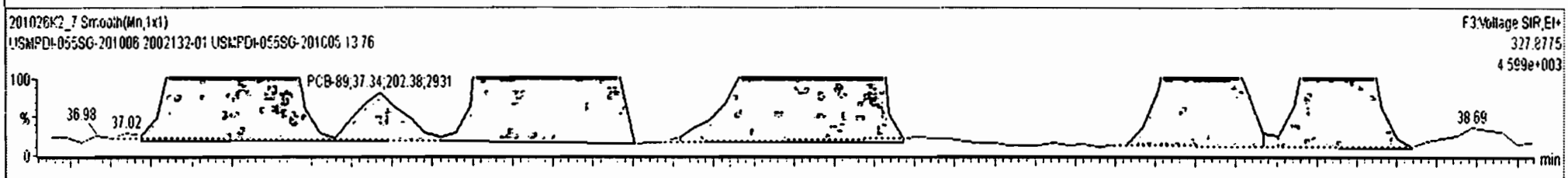
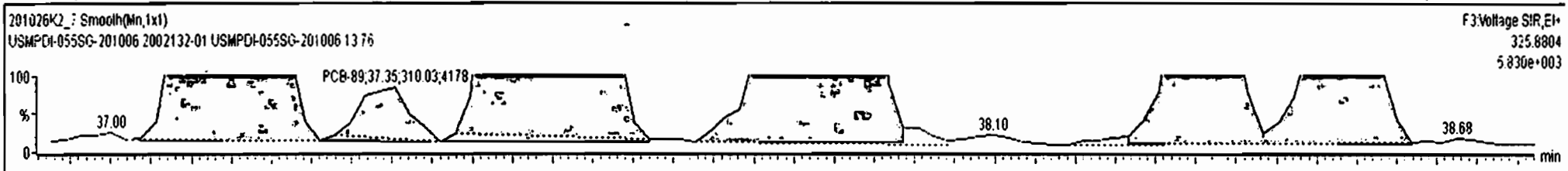




201026K2\_7\_2002132-01 USMPDI-055SG-201006-1376 USMPDI-055SG-201006

#	Name	Resp	RA	n/y	RRF	w/w	Pred RT	RT	Pred R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
57	229 3rd Function Penta-PCBs				1.3157	5.035	0.00		0.000		NO	1261		15.0	1279
58	175 13C-PCB-32	8.87e5	1.05	NO	0.7441	5.035	26.81	26.81	1.048	1.048	NO	1240	62.4	4.96	
59	174 13C-PCB-19	5.70e5	1.04	NO	0.4989	5.035	23.82	23.82	0.931	0.931	NO	1189	59.9	7.39	

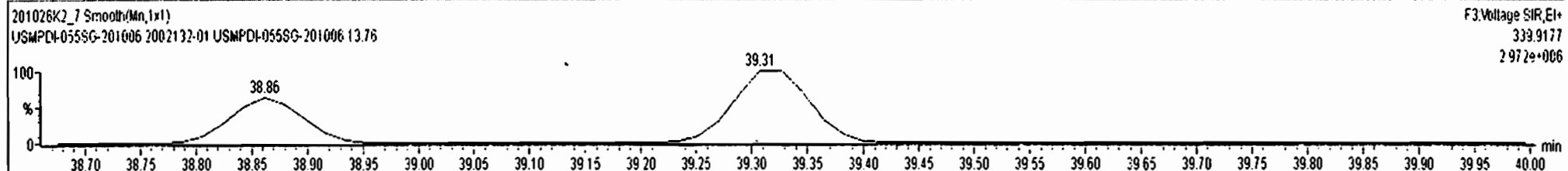
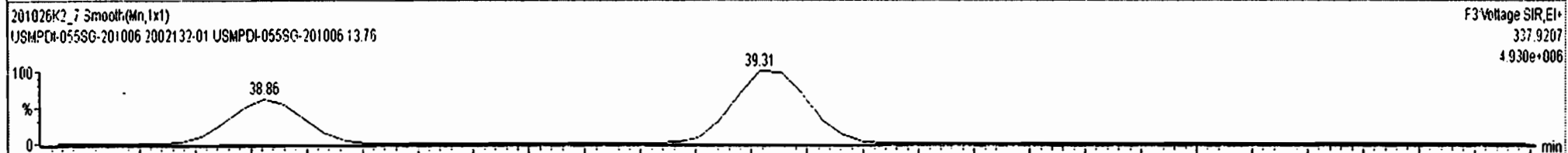
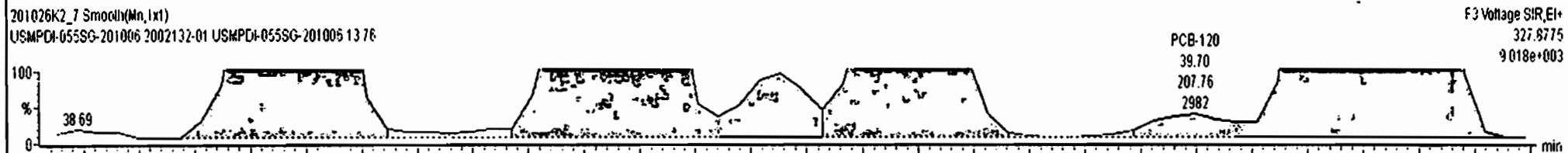
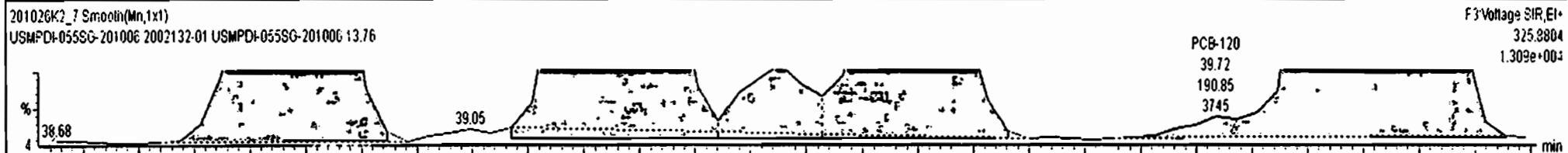
#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
8	73 PCB-84/92	37.15	37.15	1.255e4	8.289e3	1.560	1.51	NO	98.540	98.540
9	74 PCB-89	37.34	37.35	3.100e2	2.024e2	1.560	1.53	NO	2.2314	2.2314
10	75 PCB-90/101	37.53	37.54	3.597e4	2.322e4	1.560	1.55	NO	253.76	253.76
11	77 PCB-99	37.88	37.88	1.714e4	1.108e4	1.560	1.55	NO	102.80	102.80
12	78 PCB-119	38.36	38.36	1.670e3	1.084e3	1.560	1.54	NO	8.1522	8.1522
13	79 PCB-108/112	38.52	38.53	1.505e3	1.098e3	1.560	1.37	NO	9.6252	9.6252



201026K2\_7:2002132-01 USMPDI-055SG-201006 13.76 USMPDI-055SG-201006

#	Name	Resp	RA	nly	RRF	wUvol	Pred RT	RT	Pred R...	RRT	RRT Fal	Conc.	%Rec	DL	EMPC
57	229 3rd Function Pentâ-PCBs				1.3157	5.035	0.00		0.000		NO	1262		15.0	1280
58	175 13C-PCB-32	8.87e5	1.05	NO	0.7441	5.035	26.81	26.81	1.048	1.048	NO	1240	62.4	4.96	
59	174 13C-PCB-19	5.70e5	1.04	NO	0.4989	5.035	23.82	23.82	0.931	0.931	NO	1189	59.9	7.39	

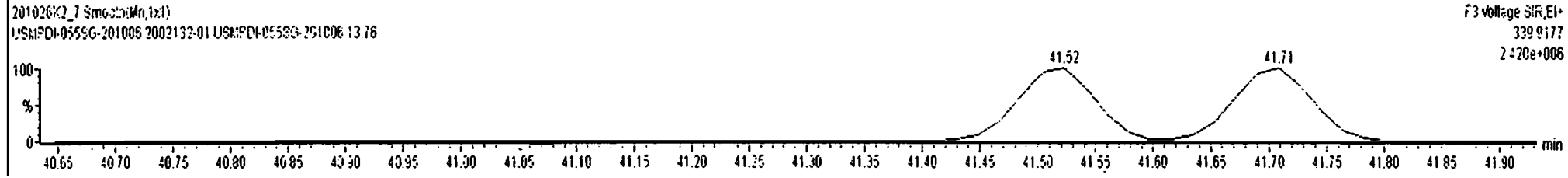
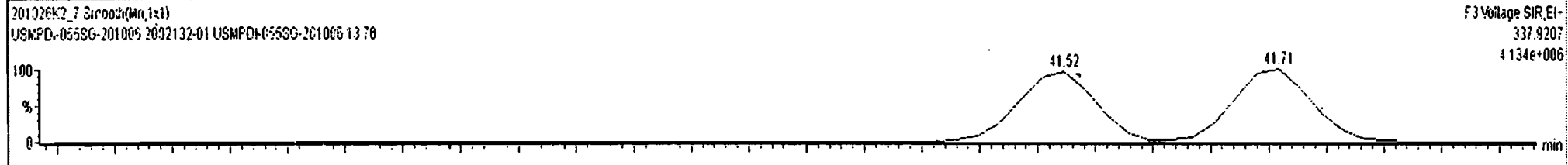
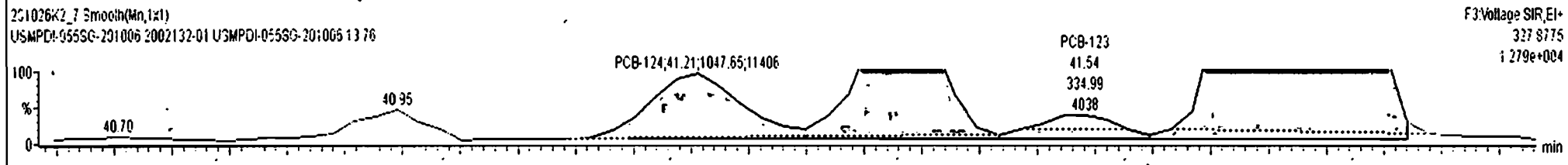
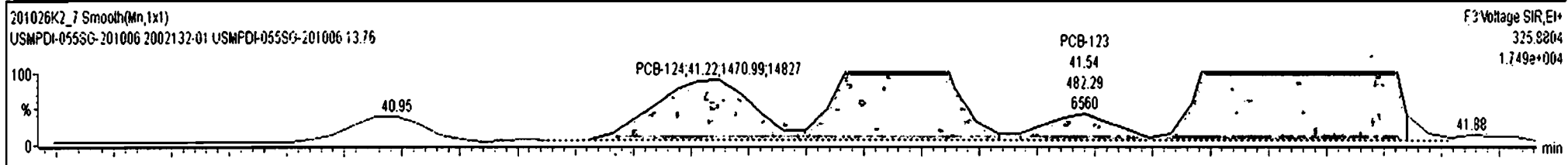
#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
13	79 PCB-108/112	38.52	38.53	1.505e3	1.090e3	1.560	1.37	NO	9.6252	9.6252
14	81 PCB-97	38.88	38.90	8.162e3	5.476e3	1.560	1.49	NO	56.832	56.832
15	83 PCB-87/117/125	39.17	39.18	1.132e4	7.282e3	1.560	1.55	NO	63.740	63.740
16	84 PCB-111/115	39.33	39.33	8.744e2	5.244e2	1.560	1.67	NO	3.9115	3.9115
17	85 PCB-85/116	39.46	39.44	5.105e3	3.233e3	1.560	1.58	NO	31.570	31.570
18	86 PCB-120	39.72	39.72	1.908e2	2.078e2	1.560	0.92	YES	0.83447	0.00000
19	67 PCB-110	39.87	39.87	4.198e4	2.666e4	1.560	1.57	NO	210.44	210.44



201026K2\_7:2002132-01 USMPDI-055SG-201006-13.76: USMPDI-055SG-201006

#	Name	Resp.	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R...	RRT	RRT-Fail	Conc.	%Rec	DL	EMPC
57	229 3rd Function Penta-PCBs				1.3157	5.035	0.00		0.000		NO	1282		15.0	1284
58	175 13C-PCB-32	8.87e5	1.05	NO	0.7441	5.035	26.81	26.81	1.048	1.048	NO	1240	62.4	4.95	
59	174 13C-PCB-19	5.70e5	1.04	NO	0.4989	5.035	23.82	23.82	0.931	0.931	NO	1189	59.9	7.39	

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
19	87 PCB-110	39.87	39.87	4.198e4	2.666e4	1.560	1.57	NO	210.44	210.44
20	88 PCB-82	40.50	40.50	2.828e3	1.735e3	1.560	1.63	NO	23.494	23.494
21	89 PCB-124	41.21	41.22	1.471e3	1.048e3	1.560	1.40	NO	7.2525	7.2525
22	90 PCB-107/109	41.35	41.37	3.542e3	1.981e3	1.560	1.79	NO	16.557	16.557
23	91 PCB-123	41.54	41.54	4.823e2	3.350e2	1.560	1.44	NO	2.7443	2.7443
24	92 PCB-106/118	41.75	41.73	3.626e4	2.310e4	1.560	1.57	NO	191.00	191.00

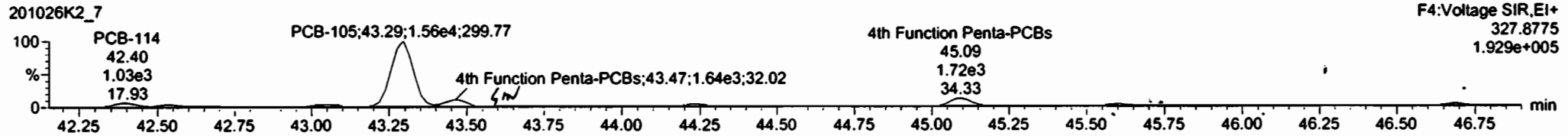
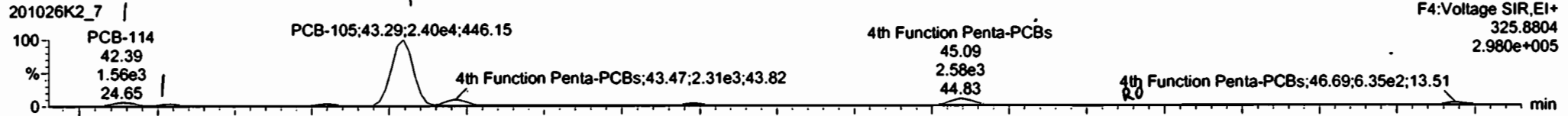


Dataset: Untitled

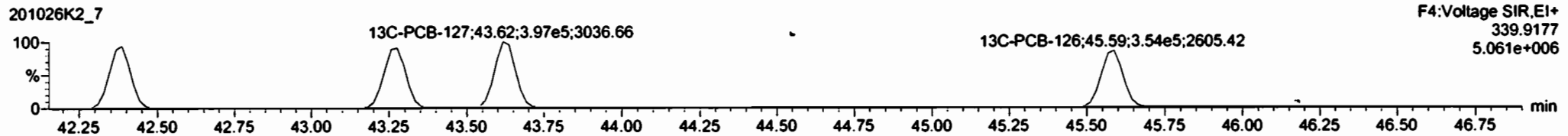
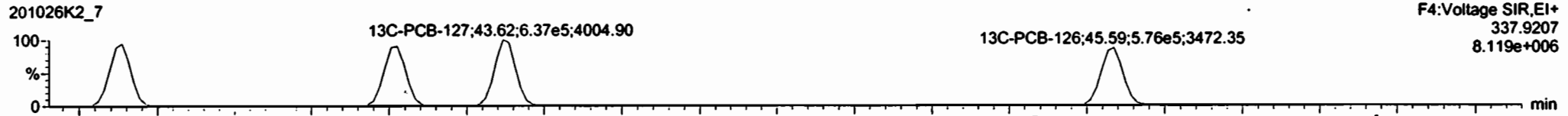
Last Altered: Tuesday, October 27, 2020 11:30:51 Pacific Daylight Time  
Printed: Tuesday, October 27, 2020 11:31:27 Pacific Daylight Time

Name: 201026K2\_7, Date: 27-Oct-2020, Time: 03:46:01, ID: 2002132-01 USMPDI-055SG-201006 13.76, Description: USMPDI-055SG-201006

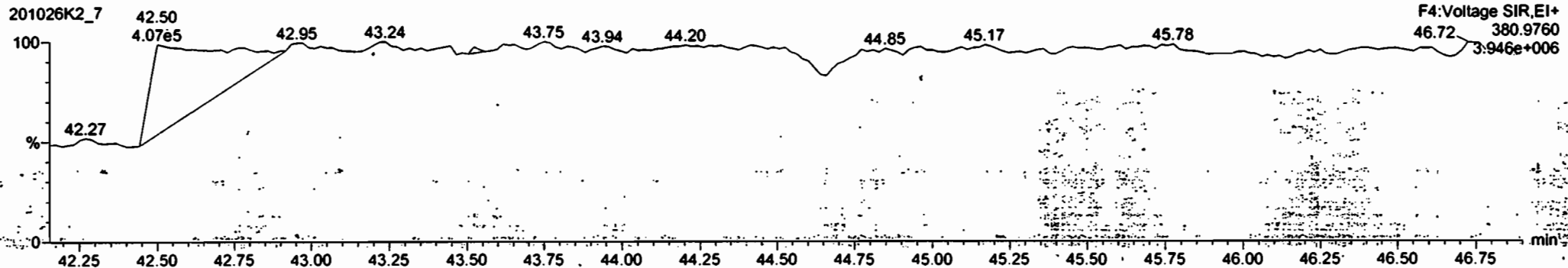
**PCB-114**

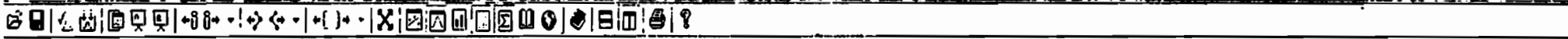


**13C-PCB-114**



**PFK4a**

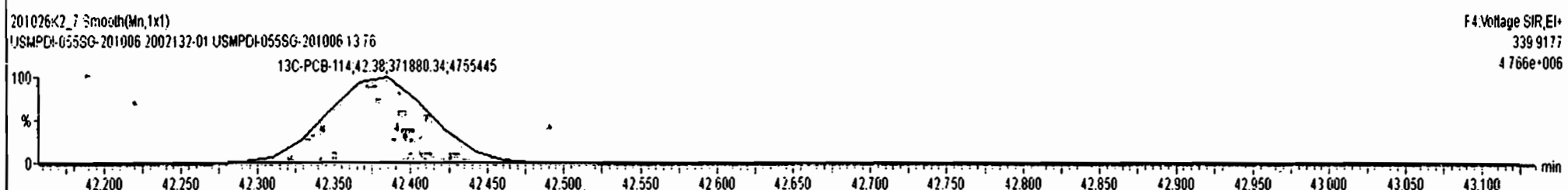
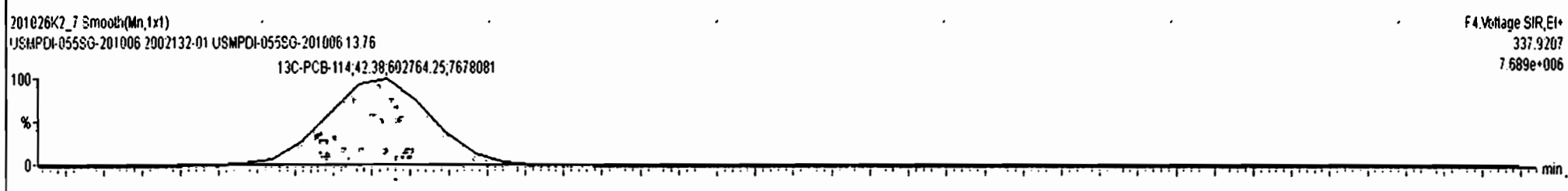
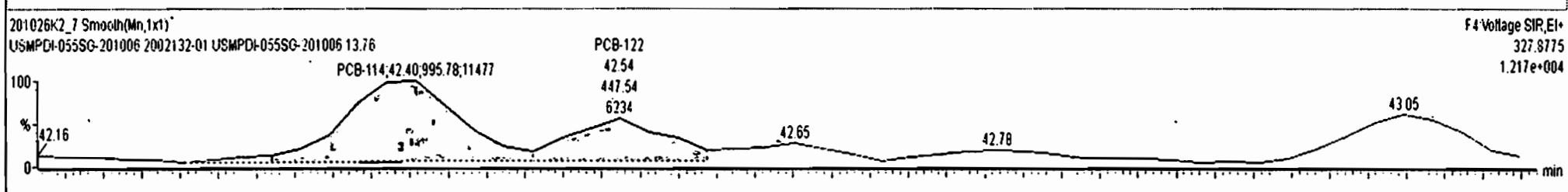
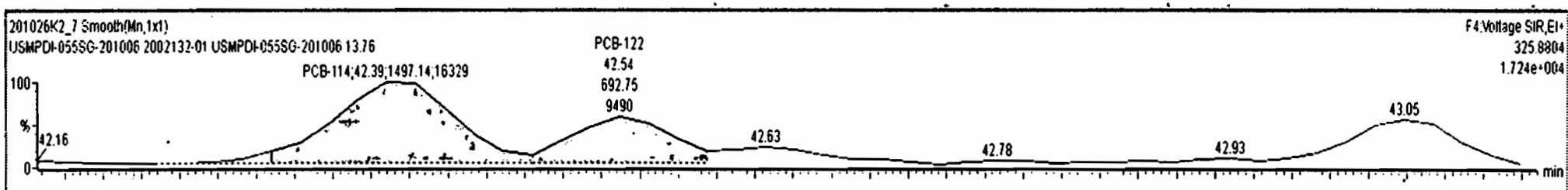




201026K2-7 - 2002132-01 USMPDI-055SG-201006-13.76 - USMPDI-055SG-201006

#	Name	Resp	RA	nly	RF	WVol	Pred RT	RT	Pred R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
87	230 4th Function Penta-PCBs				1.0735	5.035	0.00		0.000		NO	83.94		1.99	84.96
88	234 4th Function Octa-PCBs				1.0008	5.035	0.00		0.000		NO	83.48		4.97	137.4
89	47 PCB-41/64/117/2	3.59e4	0.79	NO	1.1874	5.035	33.54	33.52	1.053	1.052	NO	80.59		0.420	80.59

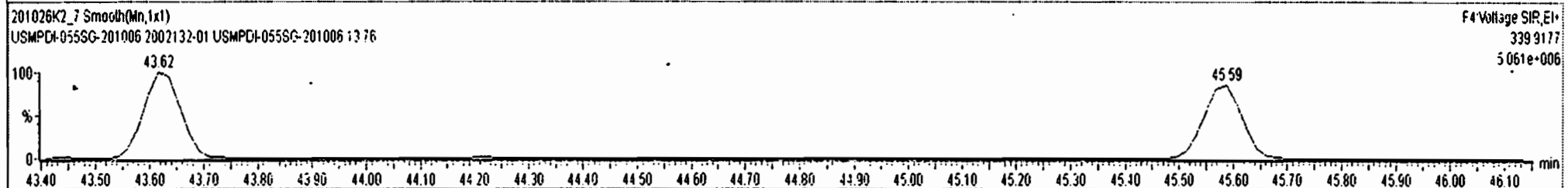
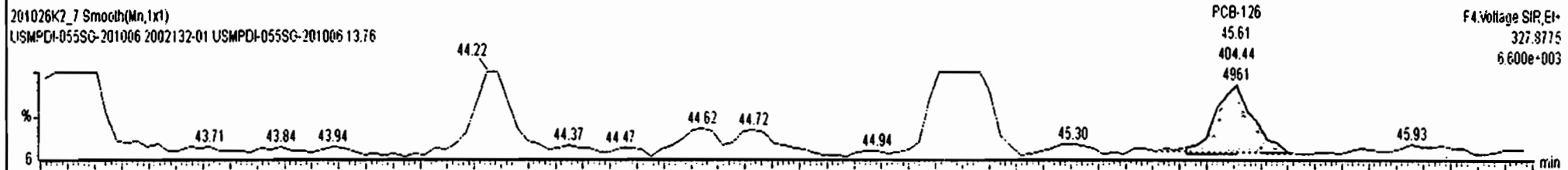
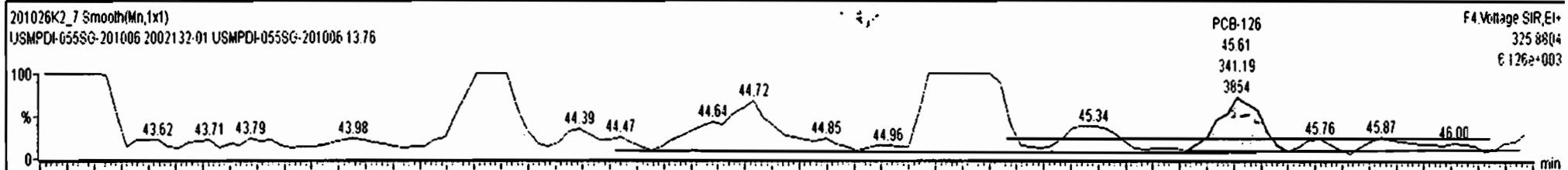
#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	93 PCB-114	42.41	42.39	1.497e3	9.958e2	1.560	1.50	NO	4.4512	4.4512
2	94 PCB-122	42.55	42.54	6.928e2	4.475e2	1.560	1.55	NO	2.4605	2.4605
3	95 PCB-105	43.29	43.29	2.395e4	1.562e4	1.550	1.53	NO	77.032	77.032
4	97 PCB-126	45.61	45.61	3.412e2	4.048e2	1.560	0.84	YES	1.0196	0.00000



201026K2\_7:2002132-01 USMPDI-055SG-201006-13.76 USMPDI-055SG-201006

#	Name	Resp	RA	nly	RRF	wtVol	Pred RT	RT	Pred R...	RRT	RRT Fal	Conc.	%Rec	DL	EMPC
87	230 4th Function Penta-PCBs				1.0735	5.035	0.00		0.000		NO	83.94		1.99	84.96
88	234 4th Function Octa-PCBs				1.0008	5.035	0.00		0.000		NO	83.48		4.97	137.4
89	47 PCB-4164/172	3.59e4	0.79	NO	1.1874	5.035	33.54	33.52	1.053	1.052	NO	80.59		0.420	80.59

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	93 PCB-114	42.41	42.39	1.497e3	9.958e2	1.560	1.50	NO	4.4512	4.4512
2	94 PCB-122	42.55	42.54	6.928e2	4.475e2	1.560	1.55	NO	2.4605	2.4605
3	95 PCB-105	43.29	43.29	2.395e4	1.562e4	1.550	1.53	NO	77.032	77.032
4	97 PCB-126	45.61	45.61	3.412e2	4.044e2	1.560	0.84	YES	1.0196	0.00000





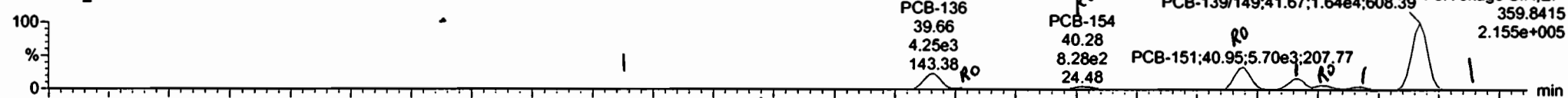
Dataset: Untitled

Last Altered: Tuesday, October 27, 2020 11:30:51 Pacific Daylight Time  
Printed: Tuesday, October 27, 2020 11:31:27 Pacific Daylight Time

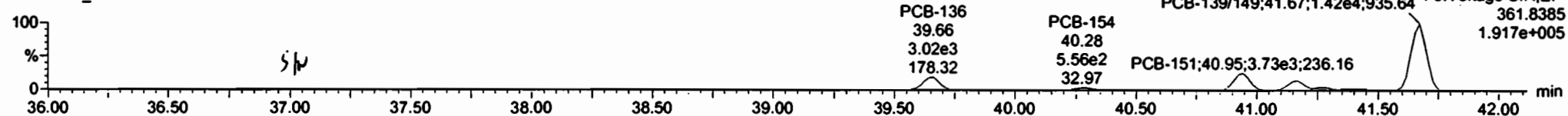
Name: 201026K2\_7, Date: 27-Oct-2020, Time: 03:46:01, ID: 2002132-01 USMPDI-055SG-201006 13.76, Description: USMPDI-055SG-201006

PCB-155

201026K2\_7

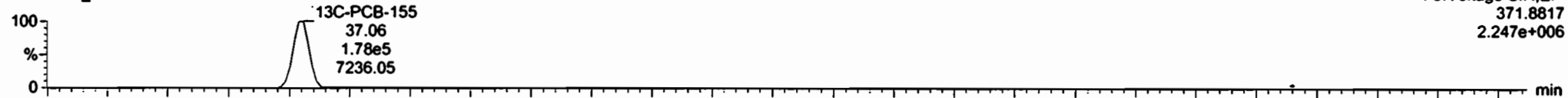


201026K2\_7

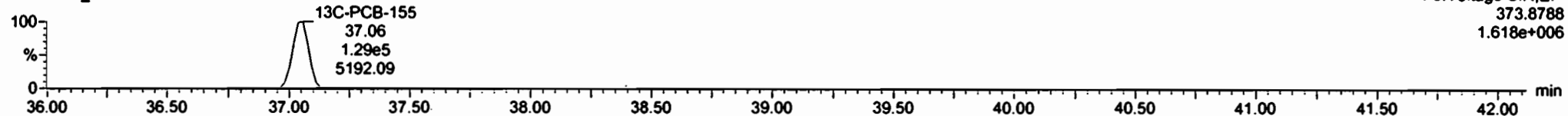


13C-PCB-155

201026K2\_7

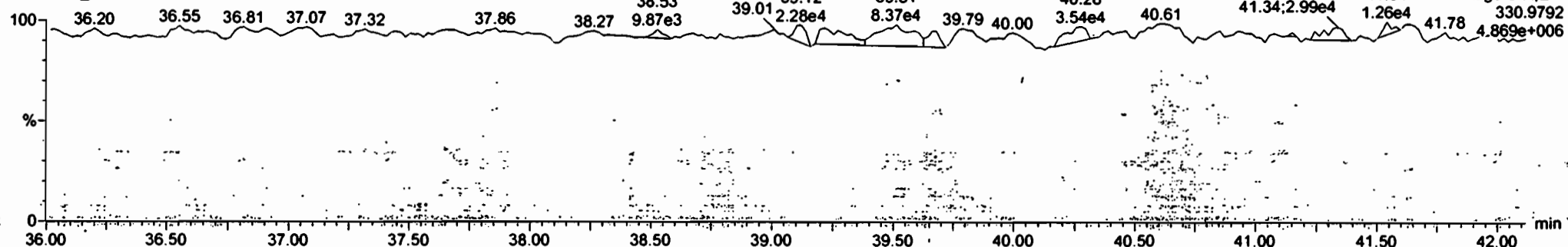


201026K2\_7



PFK3c

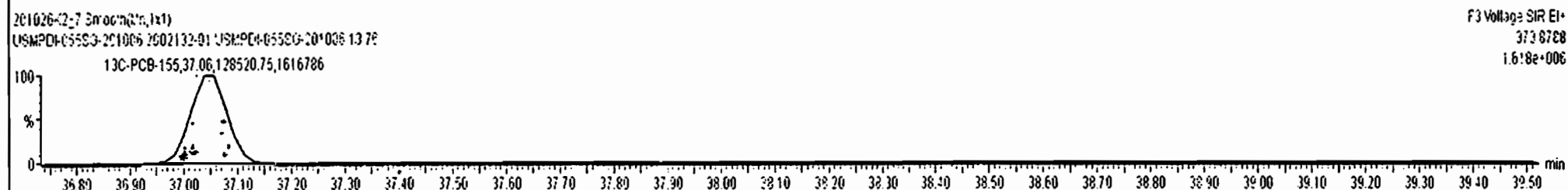
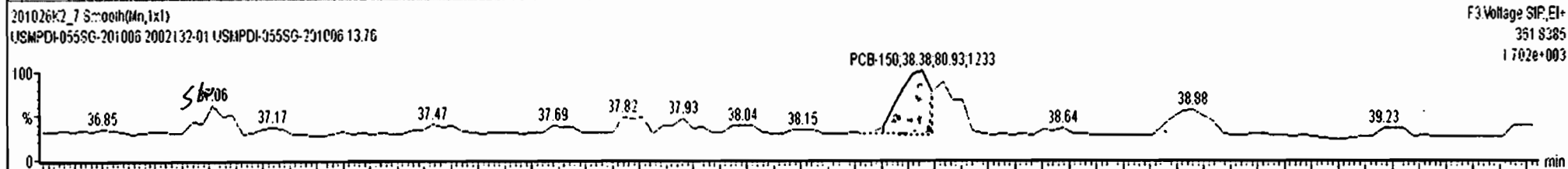
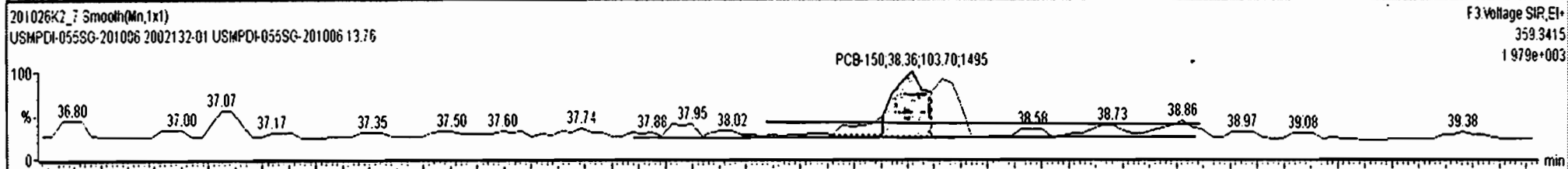
201026K2\_7



201026K2\_7\_2002132-01 USMPDI-055SG-201006 13.76 USMPDI-055SG-201006

#	Name	Resp	RA	nly	RRF	wtVol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
230	230 4th Function Penta-PCBs				1.0735	5.035	0.00		0.000		NO	83.94		1.99	84.96
231	231 3rd Function Hexa-PCBs				0.9505	5.035	0.00		0.000		NO	290.2		7.98	389.6
232	232 4th Function Hexa-PCBs				1.0316	5.035	0.00		0.000		NO	932.0		8.21	936.8

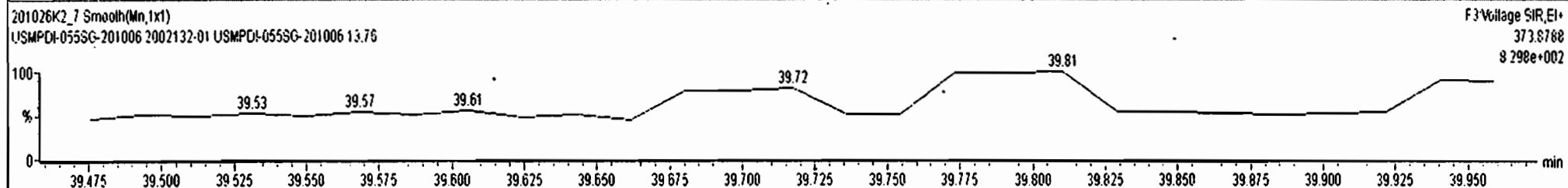
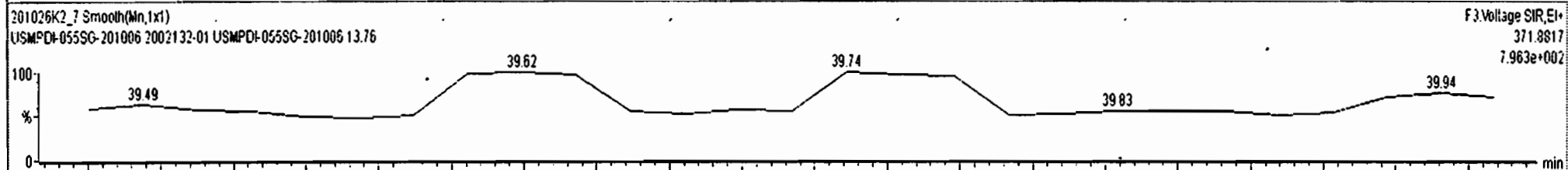
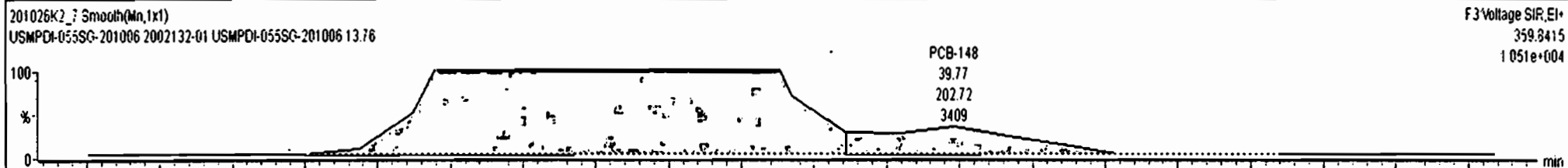
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	99 PCB-150	38.38	38.36	1.037e2	8.093e1	1.240	1.28	NO	1.1042	1.1042
2	102 PCB-136	39.66	39.66	4.249e3	3.019e3	1.240	1.41	NO	46.131	46.131
3	104 PCB-154	40.28	40.28	8.282e2	5.562e2	1.240	1.49	YES	8.7848	0.00000
4	105 PCB-151	40.95	40.94	5.699e3	3.728e3	1.240	1.53	YES	68.797	0.00000



201026K2-7 - 2002132-01 USMPDI-055SG-201006 13.76 USMPDI-055SG-201006

#	Name	Resp.	RA	nly	RRF	wVol	Pred.RT	RT	Pred.R...	RRT	RRT.Fal	Conc.	%Rec.	DL	EMPC
230	4th Function Penta-PCBs				1.0735	5.035	0.00		0.000		NO	83.94		1.99	84.96
231	3rd Function Hexa-PCBs				0.9505	5.035	0.00		0.000		NO	289.4		7.98	390.4
232	4th Function Hexa-PCBs				1.0316	5.035	0.00		0.000		NO	932.0		8.21	936.8

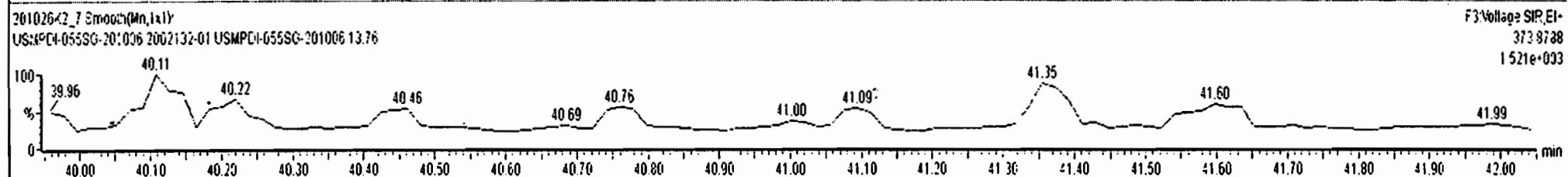
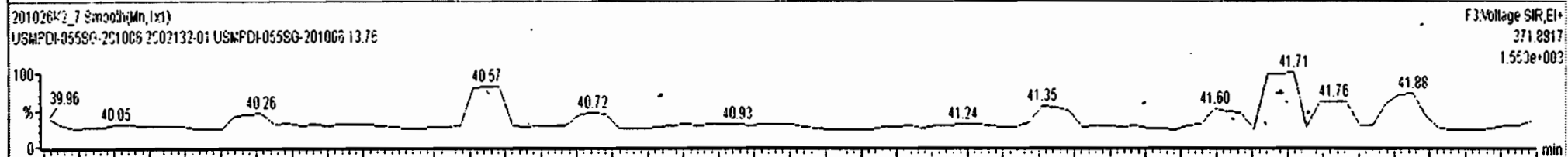
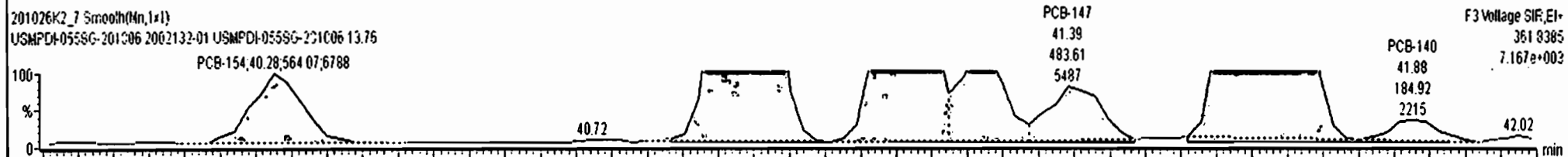
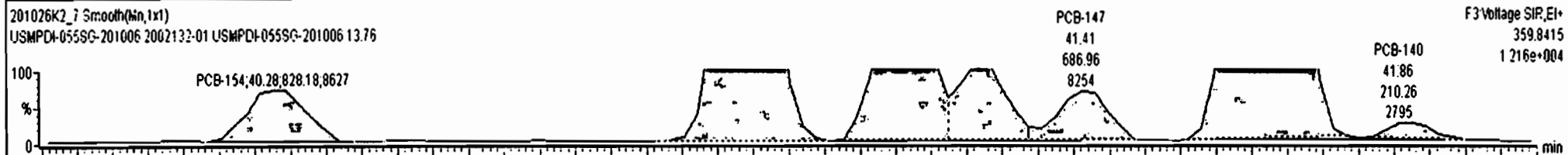
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	F <sup>2</sup> Ratio (Pred)	RA	nly	EMPC	Conc.
2	102 PCB-136	39.66	39.66	4.199e3	2.948e3	1.240	1.42	NO	45.358	45.358
3	103 PCB-148	39.76	39.77	2.027e2	9.389e1	1.240	2.16	YES	1.6193	0.00000
4	104 PCB-154	40.28	40.28	8.282e2	5.562e2	1.240	1.49	YES	8.7848	0.00000
5	105 PCB-151	40.95	40.94	5.699e3	3.728e3	1.240	1.53	YES	68.797	0.00000



201026K2\_7 - 2002132-01 USMPDI-055SG-201006:13.76: USMPDI-055SG-201006

#	Name	Resp	RA	nly	RF	wVcl	Pred.RT	RT	Pred.R...	RRT	RRT Fal	Conc.	%Rec	DL	EMPC
230	230 4th Function Penta-PCBs				1.0735	5.035	0.00		0.000		NO	83.94		1.99	84.96
231	231 3rd Function Hexa-PCBs				0.9505	5.035	0.00		0.000		NO	303.4		7.98	395.0
232	232 4th Function Hexa-PCBs				1.0316	5.035	0.00		0.000		NO	932.0		8.21	936.8

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
4	104 PCB-154	40.28	40.28	8.282e2	5.641e2	1.240	1.47	YES	8.9091	0.00000
5	105 PCB-151	40.95	40.95	5.699e3	3.752e3	1.240	1.52	YES	69.240	0.00000
6	106 PCB-135	41.17	41.17	2.809e3	2.088e3	1.240	1.35	NO	34.404	34.404
7	107 PCB-144	41.28	41.28	1.017e3	6.458e2	1.240	1.57	YES	11.881	0.00000
8	108 PCB-147	41.41	41.41	6.870e2	4.836e2	1.240	1.42	NO	9.0892	9.0892
9	109 PCB-139/149	41.70	41.67	1.649e4	1.426e4	1.240	1.16	NO	210.21	210.21
10	110 PCB-140	41.88	41.86	2.107e2	1.849e2	1.240	1.14	NO	3.2266	3.2266

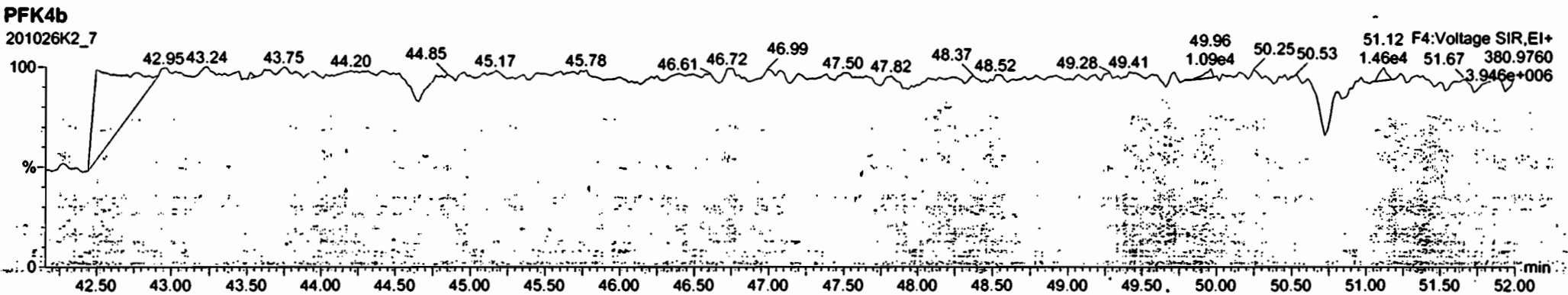
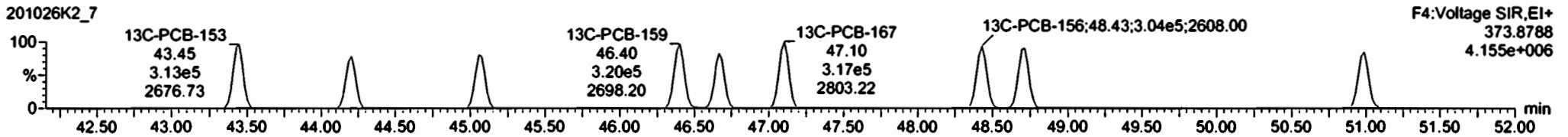
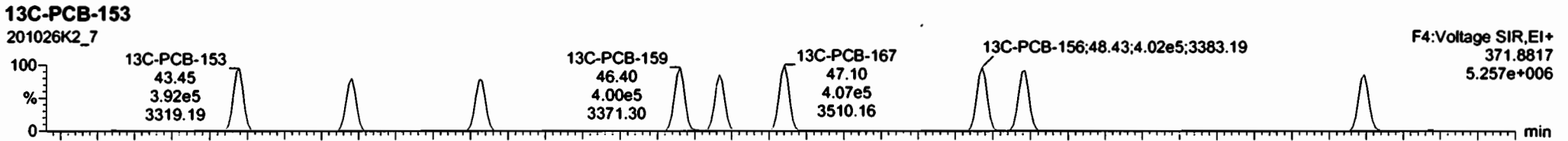
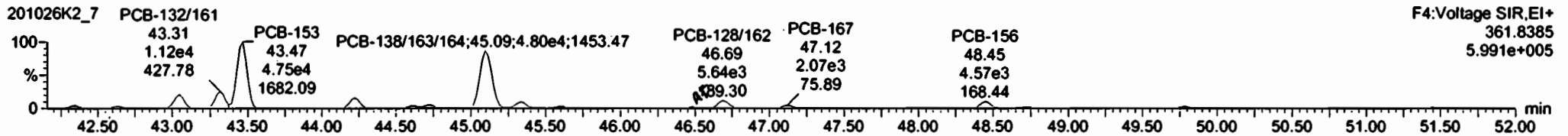
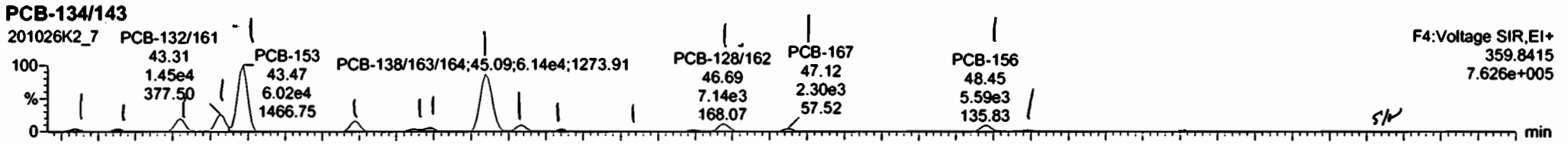


Dataset: Untitled

Last Altered: Tuesday, October 27, 2020 11:30:51 Pacific Daylight Time

Printed: Tuesday, October 27, 2020 11:31:27 Pacific Daylight Time

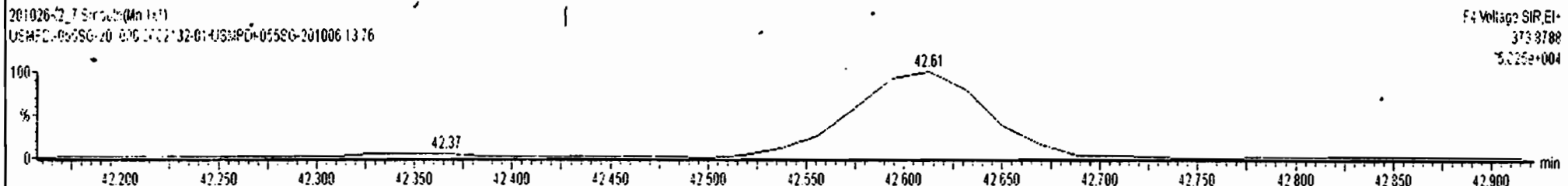
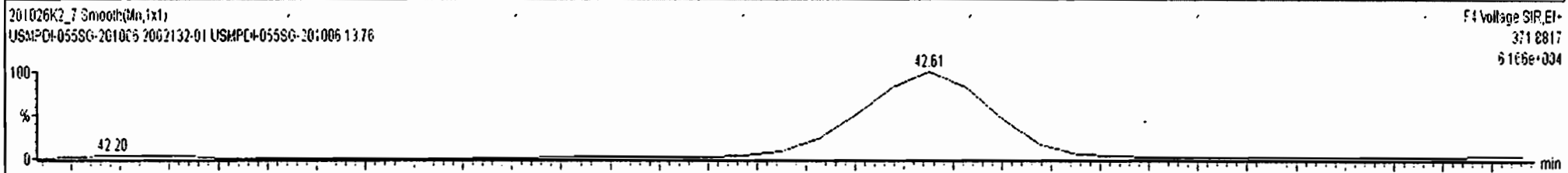
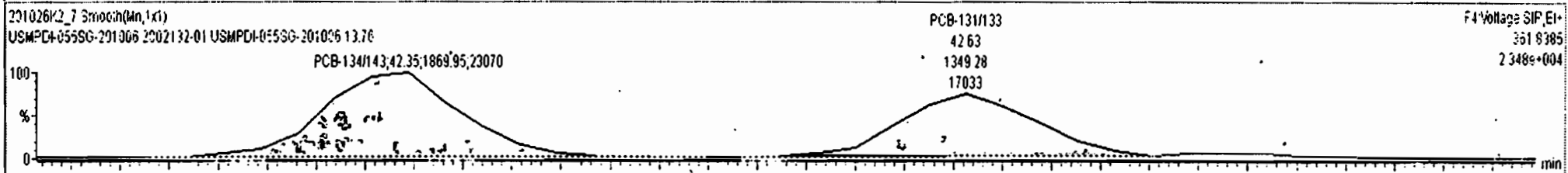
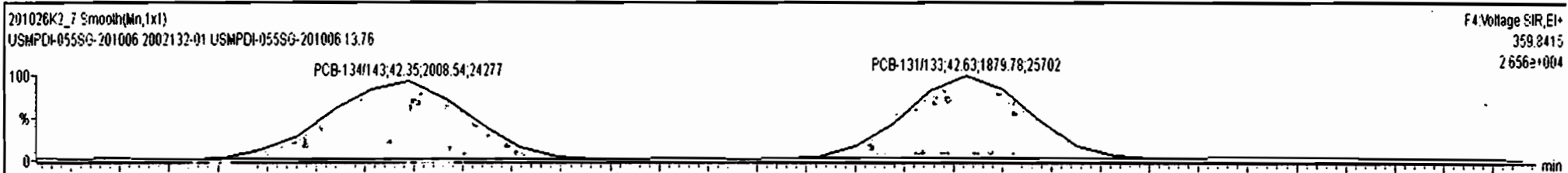
Name: 201026K2\_7, Date: 27-Oct-2020, Time: 03:46:01, ID: 2002132-01 USMPDI-055SG-201006 13.76, Description: USMPDI-055SG-201006



201026K2\_7: 2002132-01 USMPDI-055SG-201006 13.76 USMPDI-055SG-201006

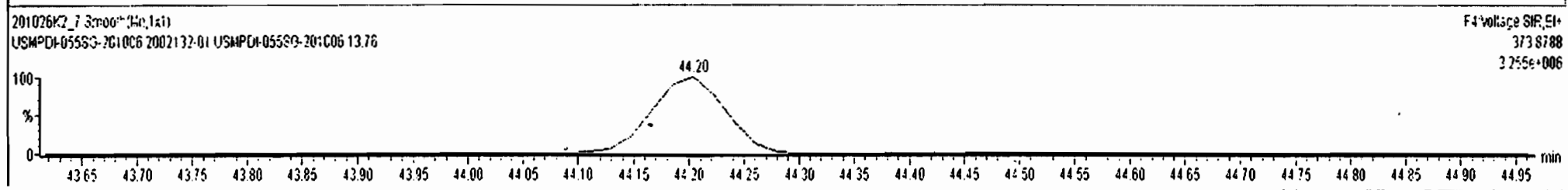
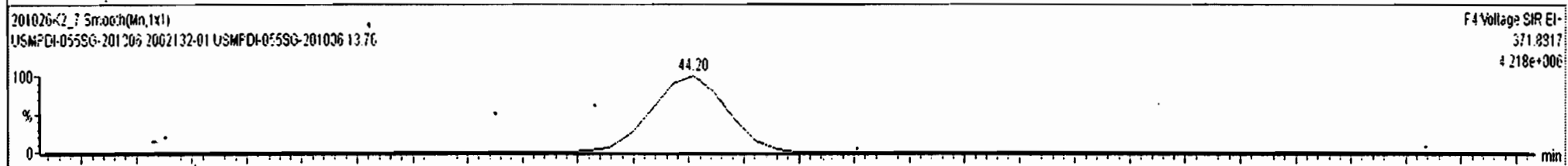
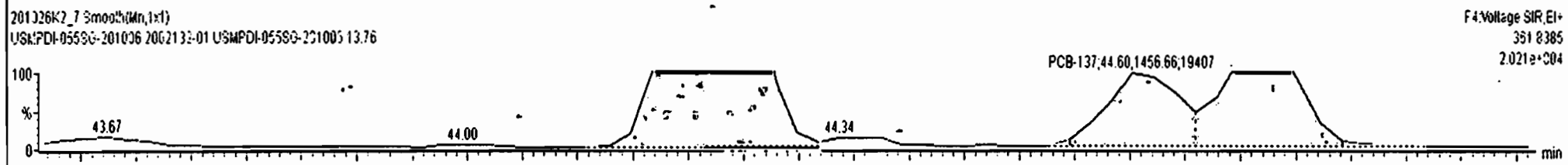
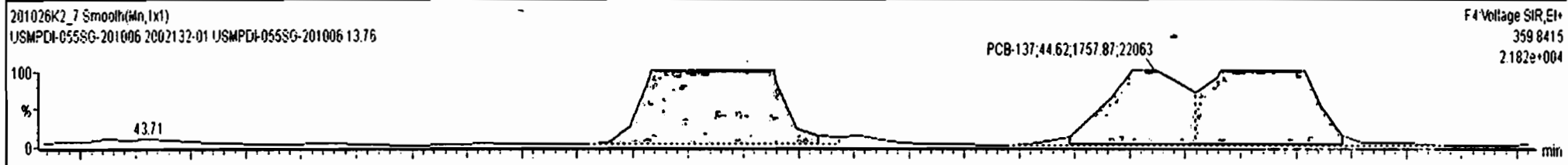
#	Name	Resp	RA	nly	RRF	wtVol	Pred RT	RT	Pred R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
230	4th Function Penta-PCBs				1.0735	5.035	0.00		0.000		NO	83.94		1.99	84.96
231	3rd Function Hexa-PCBs				0.9505	5.035	0.00		0.000		NO	303.4		7.98	395.0
232	4th Function Hexa-PCBs				1.0316	5.035	0.00		0.000		NO	931.9		8.21	936.7

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	111 PCB-134/143	42.33	42.35	2.009e3	1.870e3	1.240	1.07	NO	14.415	14.415
2	112 PCB-131/133	42.65	42.63	1.880e3	1.349e3	1.240	1.39	NO	11.097	11.097
3	114 PCB-146/165	43.05	43.05	1.116e4	9.304e3	1.240	1.20	NO	56.786	56.786
4	115 PCB-132/161	43.29	43.31	1.454e4	1.125e4	1.240	1.29	NO	71.025	71.025



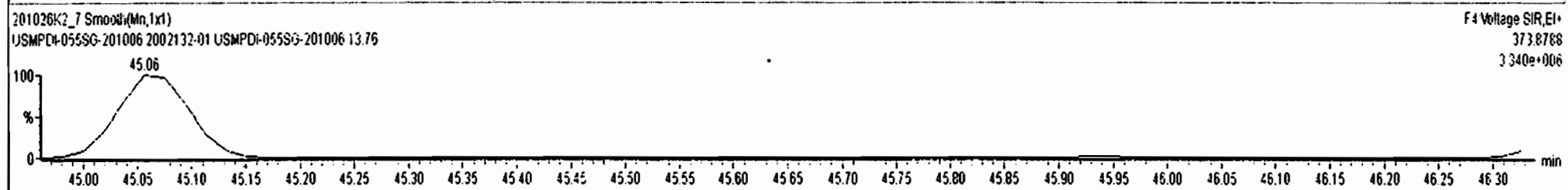
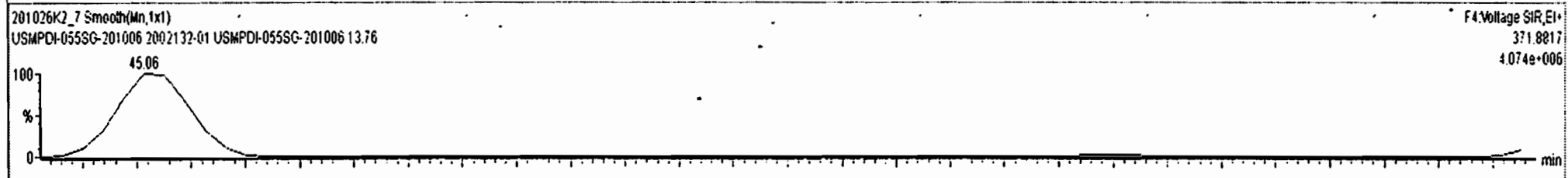
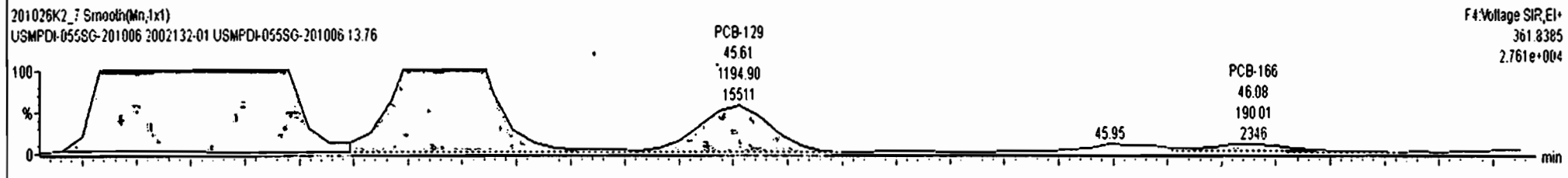
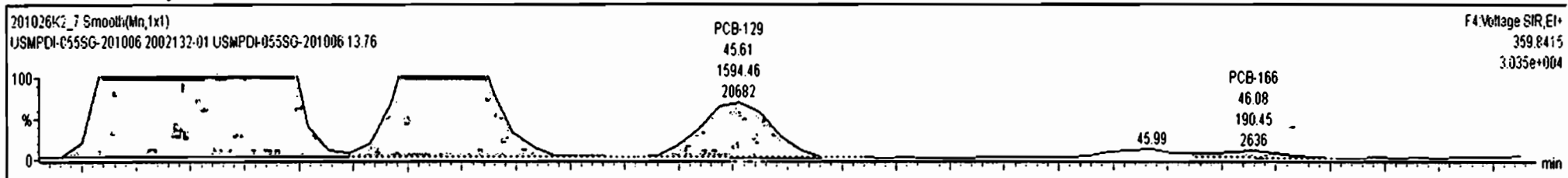
#	Name	Resp	RA	nly	RRF	wtVol	Pred.RT	RT	Pred.R...	RRT	RRT Fal	Conc.	%Rec.	DL	EMPC
230	4th Function Penta-PCBs				1.0735	5.035	0.00		0.000		NO	83.94		1.99	84.96
231	3rd Function Hexa-PCBs				0.9505	5.035	0.00		0.000		NO	303.4		7.98	395.0
232	4th Function Hexa-PCBs				1.0316	5.035	0.00		0.000		NO	931.7		8.21	931.7

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 <sup>o</sup> Ratio (Pred)	RA	nly	EMPC	Conc.
1	111 PCB-134/143	42.33	42.35	2.009e3	1.870e3	1.240	1.07	NO	14.415	14.415
2	112 PCB-131/133	42.65	42.63	1.880e3	1.349e3	1.240	1.39	NO	11.097	11.097
3	114 PCB-146/165	43.05	43.05	1.116e4	9.304e3	1.240	1.20	NO	56.786	56.786
4	115 PCB-132/161	43.29	43.31	1.454e4	1.125e4	1.240	1.29	NO	71.025	71.025
5	116 PCB-153	43.46	43.47	6.022e4	4.752e4	1.240	1.27	NO	283.88	283.88
6	118 PCB-141	44.22	44.22	9.109e3	7.319e3	1.240	1.24	NO	55.152	55.152



#	Name	Resp	RA	n/y	RRF	w/Vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec.	DL	EMPC
230	4th Function Penta-PCBs				1.0735	5.035	0.00		0.000		NO	83.94		1.99	84.96
231	3rd Function Hexa-PCBs				0.9505	5.035	0.00		0.000		NO	303.4		7.98	395.0
232	4th Function Hexa-PCBs				1.0316	5.035	0.00		0.000		NO	931.4		8.21	936.3

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
9	121 PCB-138/163/164	45.09	45.10	6.142e4	4.799e4	1.240	1.28	NO	288.94	288.94
10	122 PCB-158/160	45.36	45.34	5.548e3	4.529e3	1.240	1.23	NO	27.546	27.546
11	123 PCB-129	45.59	45.61	1.594e3	1.195e3	1.240	1.33	NO	10.909	10.909
12	124 PCB-166	46.08	46.08	1.904e2	1.900e2	1.240	1.00	YES	0.82934	0.00000
13	125 PCB-159	46.43	46.48	1.207e3	7.943e2	1.240	1.52	YES	4.0302	0.00000

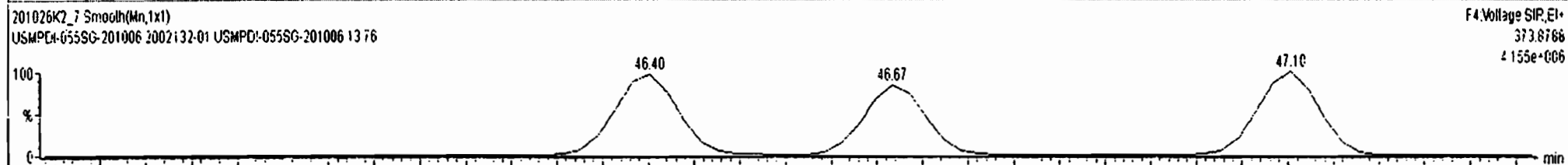
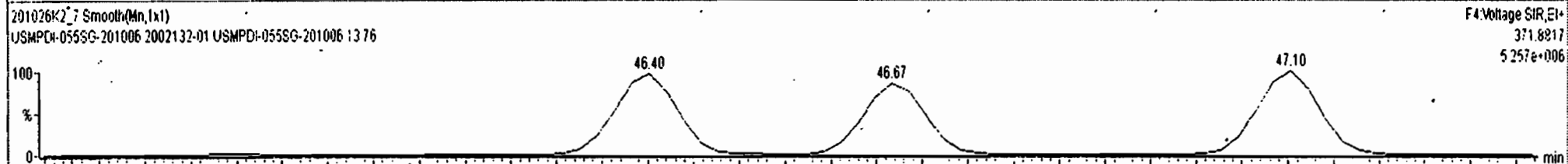
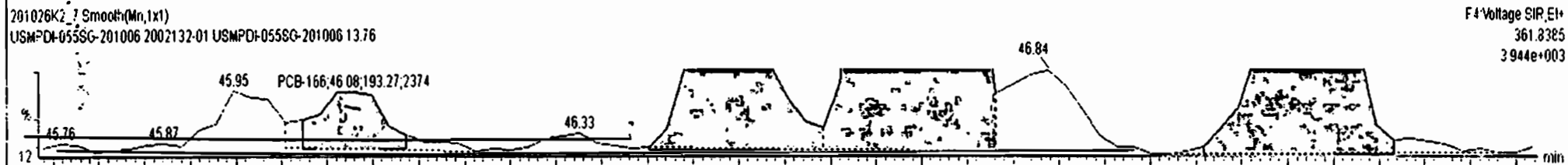
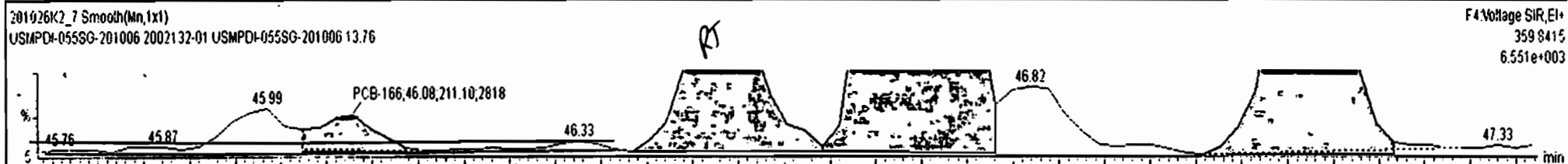


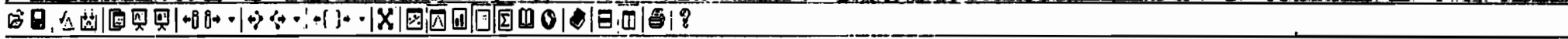


201026K2\_7 - 2002132-01 USMPDI-055SG-201006 13.76 USMPDI-055SG-201006

#	Name	Resp	RA	nly	RF	WVol	Pred.RT	RT	Pred.R...	RPT	RPT.Fal	Conc.	%Rec	DL	EMPC
230	4th Function Penta-PCBs				1.0735	5.035	0.00		0.000		NO	83.94		1.99	84.96
231	3rd Function Hexa-PCBs				0.9505	5.035	0.00		0.000		NO	303.4		7.98	395.0
232	4th Function Hexa-PCBs				1.0316	5.035	0.00		0.000		NO	932.3		8.21	936.4

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	* Ratio (Pred)	RA	nly	EMPC	Conc.
12	124 PCB-166	46.08	46.08	2.111e2	1.933e2	1.240	1.09	NO	0.97479	0.97479
13	125 PCB-159	46.43	46.48	1.207e3	8.053e2	1.240	1.50	YES	4.0858	0.00000
14	126 PCB-128/162	46.71	46.69	7.145e3	5.638e3	1.240	1.27	NO	38.813	38.813
15	127 PCB-167	47.12	47.12	2.331e3	2.024e3	1.240	1.15	NO	10.773	10.773
16	128 PCB-156	48.45	48.45	5.590e3	4.568e3	1.240	1.22	NO	25.370	25.370

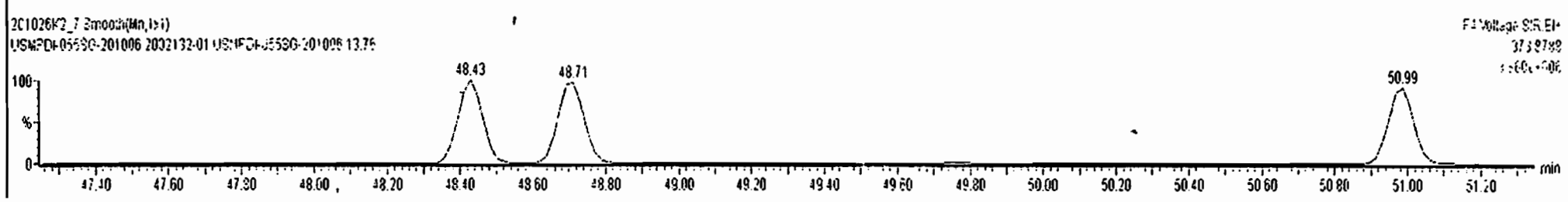
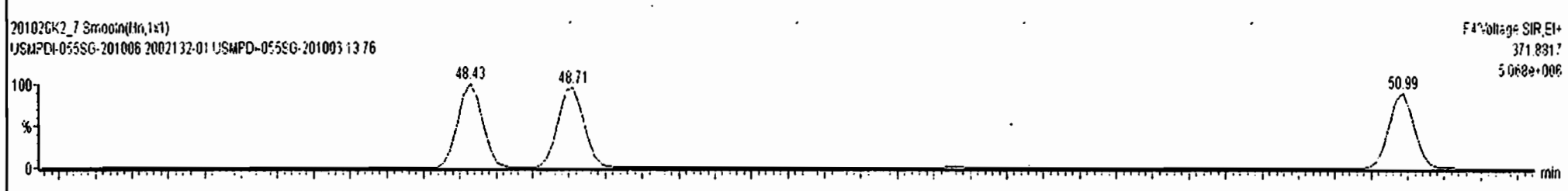
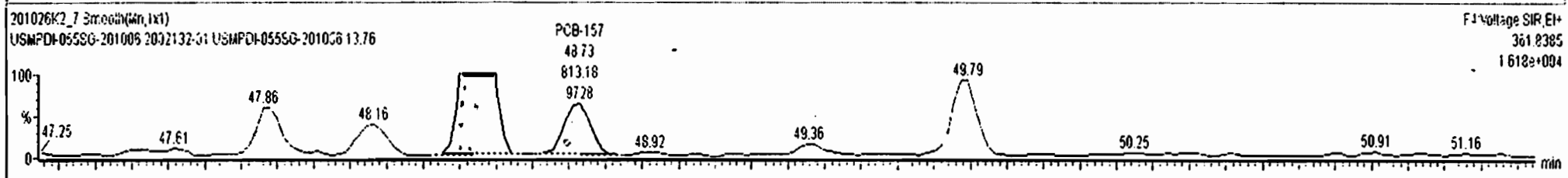
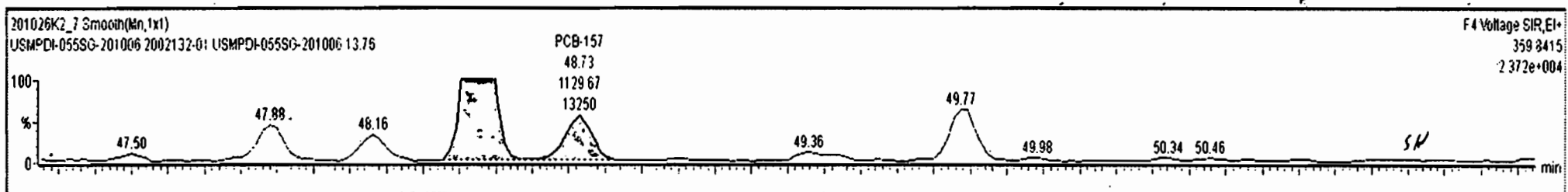




201026K2\_7 2002132-01 USMPDI-055SG-201006 13.76 USMPDI-055SG-201006

#	Name	Resp	RA	nly	RRF	wtVcl	Pred.RT	RT	Pred.R...	RRT	RRT Fal	Conc.	%Rec	DL	EMPC
230	230 4th Function Penta-PCBs				1.0735	5.035	0.00		0.000		NO	83.94		1.99	84.96
231	231 3rd Function Hexa-PCBs				0.9505	5.035	0.00		0.000		NO	303.4		7.99	395.0
232	232 4th Function Hexa-PCBs				1.0316	5.035	0.00		0.000		NO	932.2		8.21	936.2

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
13	125 PCB-159	46.43	46.48	1.207e3	8.053e2	1.240	1.50	YES	4.0858	0.00000
14	126 PCB-128/162	46.71	46.69	7.145e3	5.638e3	1.240	1.27	NO	38.813	38.813
15	127 PCB-167	47.12	47.12	2.331e3	2.024e3	1.240	1.15	NO	10.773	10.773
16	128 PCB-156	48.45	48.45	5.572e3	4.543e3	1.240	1.23	NO	25.263	25.263
17	129 PCB-157	48.73	48.73	1.130e3	8.132e2	1.240	1.39	NO	5.3004	5.3004

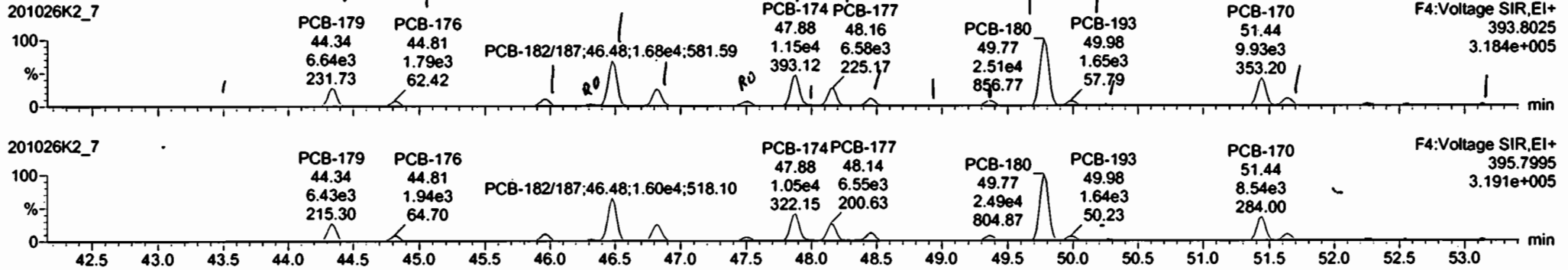


Dataset: Untitled

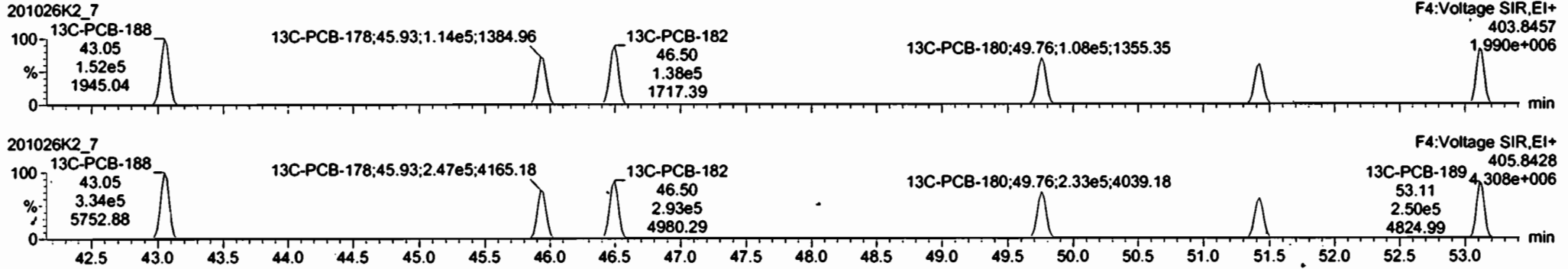
Last Altered: Tuesday, October 27, 2020 11:30:51 Pacific Daylight Time  
Printed: Tuesday, October 27, 2020 11:31:27 Pacific Daylight Time

Name: 201026K2\_7, Date: 27-Oct-2020, Time: 03:46:01, ID: 2002132-01 USMPDI-055SG-201006 13.76, Description: USMPDI-055SG-201006

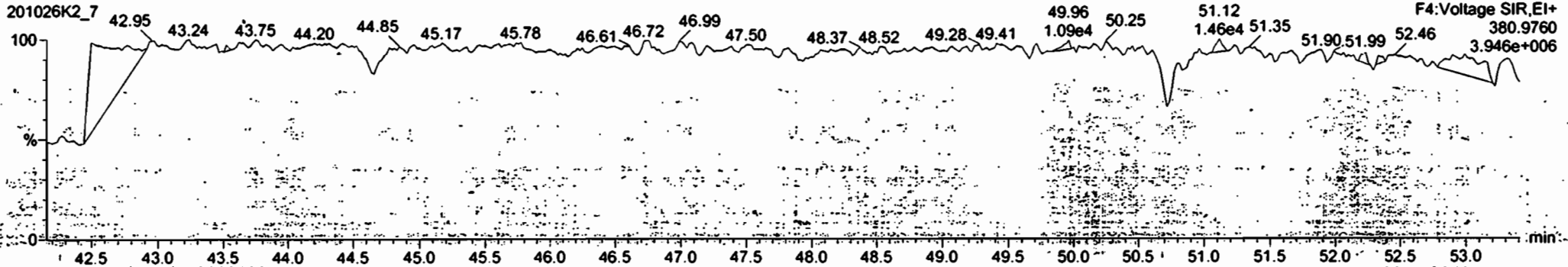
**PCB-188**



**13C-PCB-188**



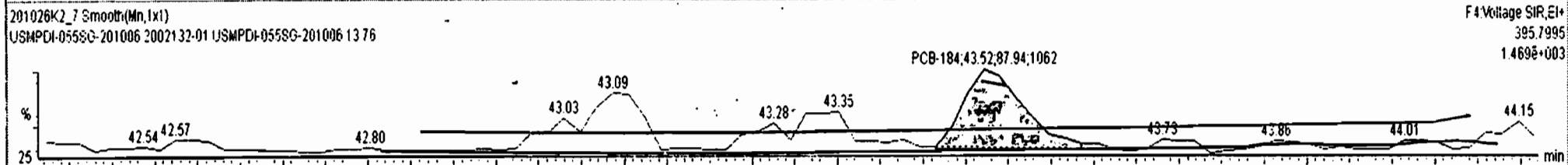
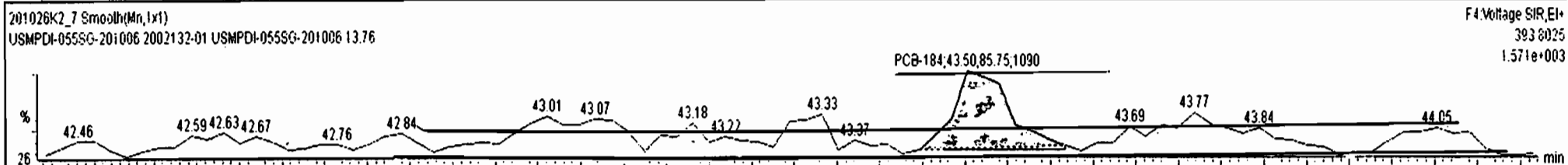
**PFK4c**



201026K2\_7:2002132:01 USMPDI-055SG-201006-13.76 - USMPDI-055SG-201006

#	Name	Resp	RA	nY	RRF	wtVol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec.	DL	EMPC
230	4th Function Penta-PCBs				1.0735	5.035	0.00		0.000		NO	83.94		1.99	84.96
231	3rd Function Hexa-PCBs				0.9505	5.035	0.00		0.000		NO	303.4		7.98	395.0
232	4th Function Hexa-PCBs				1.0316	5.035	0.00		0.000		NO	931.7		8.21	931.7

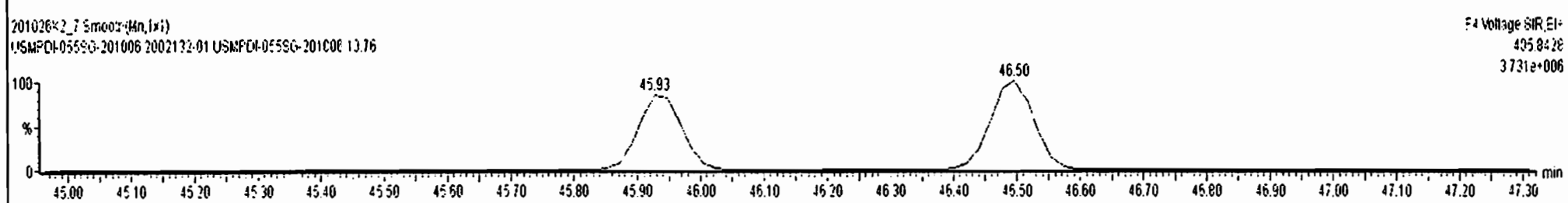
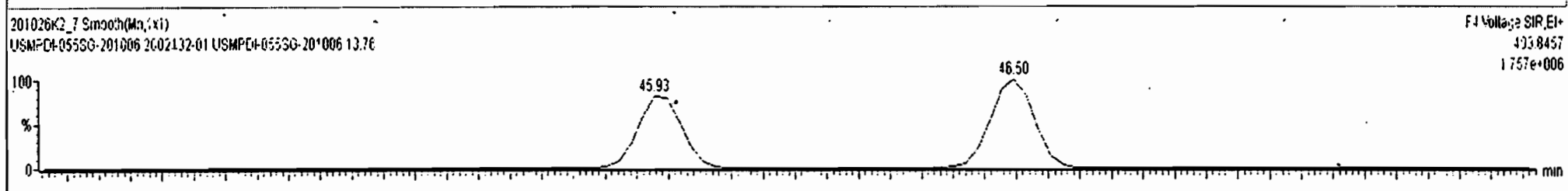
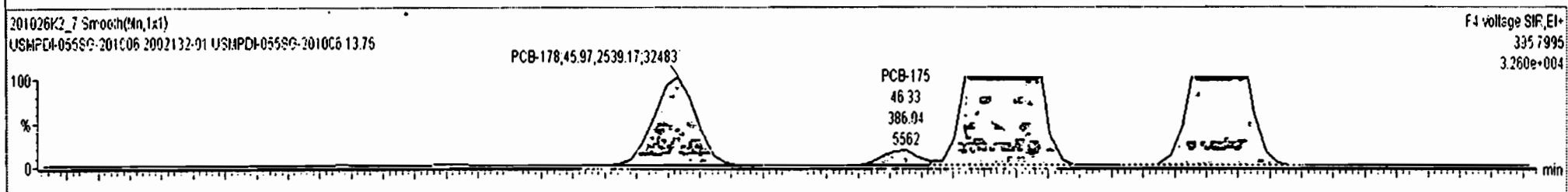
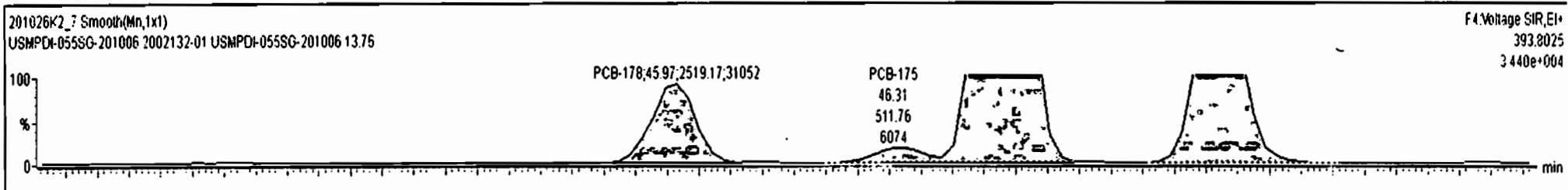
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nY	EMPC	Conc.
1	132 PCB-184	43.54	43.50	8.575e1	8.794e1	1.050	0.98	NO	0.57552	0.57552
2	133 PCB-179	44.34	44.34	6.638e3	6.430e3	1.050	1.03	NO	41.085	41.085
3	134 PCB-176	44.83	44.81	1.789e3	1.938e3	1.050	0.92	NO	11.621	11.621
4	136 PCB-178	45.97	45.97	2.519e3	2.539e3	1.050	0.99	NO	21.885	21.885
5	137 PCB-175	46.33	46.31	5.381e2	3.860e2	1.050	1.39	YES	3.3774	0.00000



201026K2-7 - 2002132-01 USMFD-055SG-201006 13.76 - USMFD-055SG-201006

#	Name	Resp	RA	nly	RRF	wtVol	Pred.RT	RT	Pred.R...	RRT	RRT Fal	Conc.	%Rec	DL	EMPC
230	4th Function Penta-PCBs				1.0735	5.035	0.00		0.000		NO	83.94		1.99	84.96
231	3rd Function Hexa-PCBs				0.9505	5.035	0.00		0.000		NO	303.4		7.98	395.0
232	4th Function Hexa-PCBs				1.0316	5.035	0.00		0.000		NO	931.7		8.21	931.7

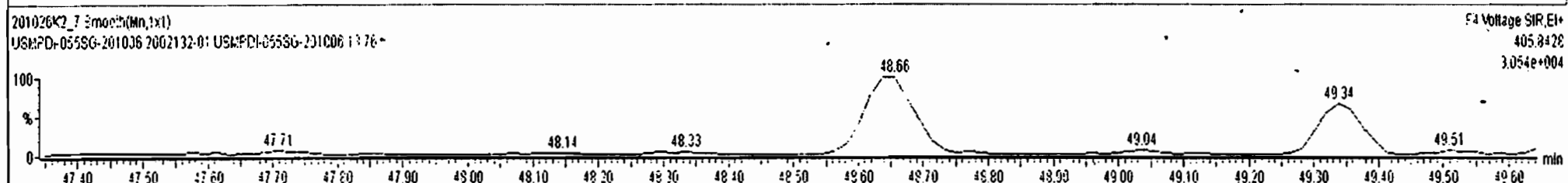
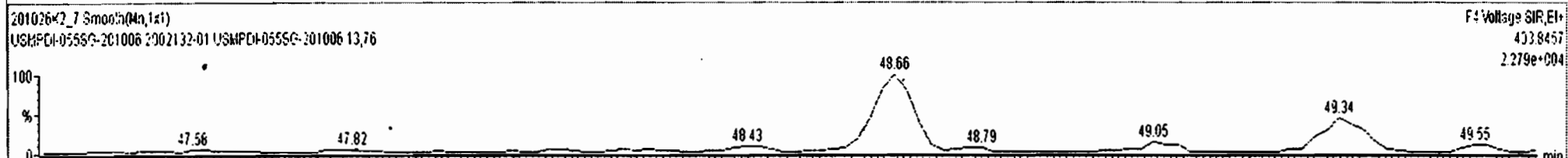
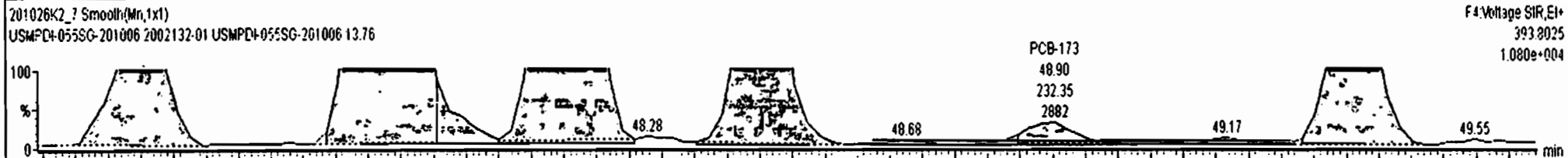
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
4	136 PCB-178	45.97	45.97	2.519e3	2.539e3	1.050	0.99	NO	21.885	21.885
5	137 PCB-175	46.33	46.31	5.118e2	3.860e2	1.050	1.33	YES	3.3774	0.00000
6	138 PCB-182/187	46.50	46.48	1.691e4	1.600e4	1.050	1.06	NO	125.96	125.96
7	139 PCB-183	46.82	46.82	6.416e3	6.304e3	1.050	1.02	NO	50.754	50.754



201026K2\_7 - 2002132-01 USMPDI-055SG-201006.13.76 - USMPDI-055SG-201006

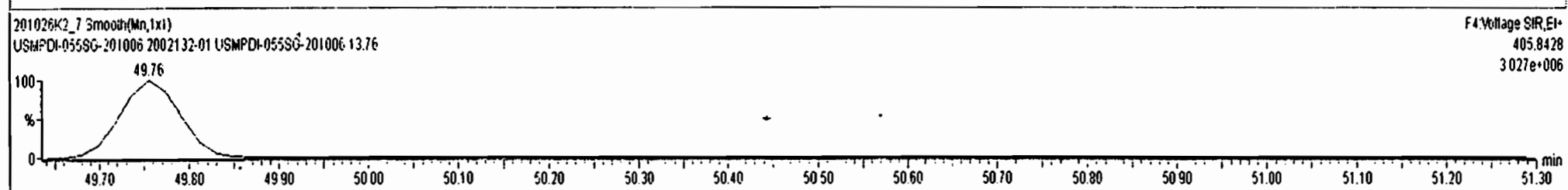
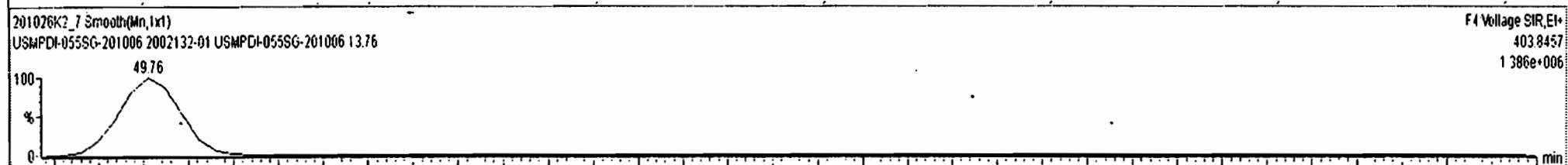
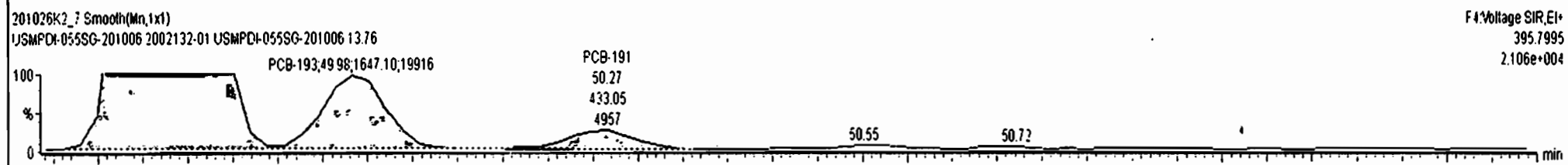
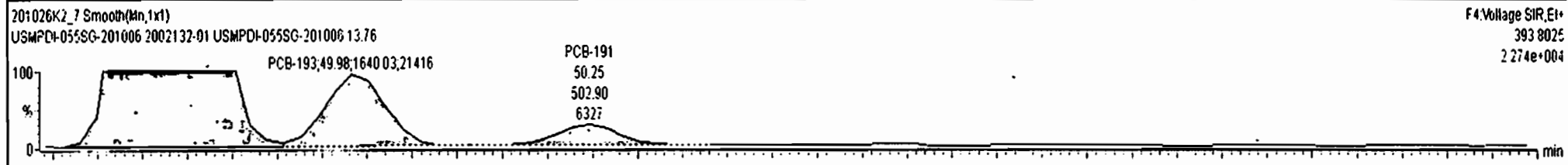
#	Name	Resp	RA	nly	RRF	wtVol	Pred RT	RT	Pred R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
230	230 4th Function Penta-PCBs				1.0735	5.035	0.00		0.000		NO	83.94		1.99	84.96
231	231 3rd Function Hexa-PCBs				0.9505	5.035	0.00		0.000		NO	303.4		7.98	395.0
232	232 4th Function Hexa-PCBs				1.0316	5.035	0.00		0.000		NO	931.7		8.21	931.7

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	nly	EMPC	Conc.
1	132 PCB-184	43.54	43.50	8.575e1	8.794e1	1.050	0.98	NO	0.57552	0.57552
2	133 PCB-179	44.34	44.34	6.638e3	6.430e3	1.050	1.03	NO	41.085	41.085
3	134 PCB-176	44.83	44.81	1.789e3	1.938e3	1.050	0.92	NO	11.621	11.621
4	136 PCB-178	45.97	45.97	2.519e3	2.539e3	1.050	0.99	NO	21.885	21.885
5	137 PCB-175	46.33	46.31	5.118e2	3.860e2	1.050	1.33	YES	3.3774	0.00000
6	138 PCB-182/187	46.50	46.48	1.691e4	1.600e4	1.050	1.06	NO	125.96	125.96



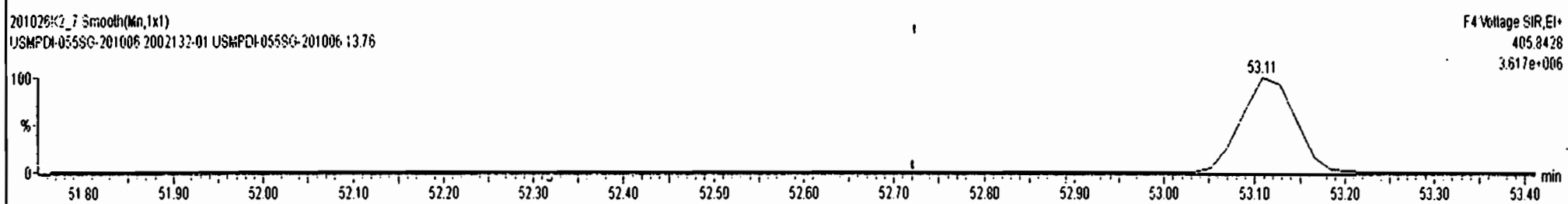
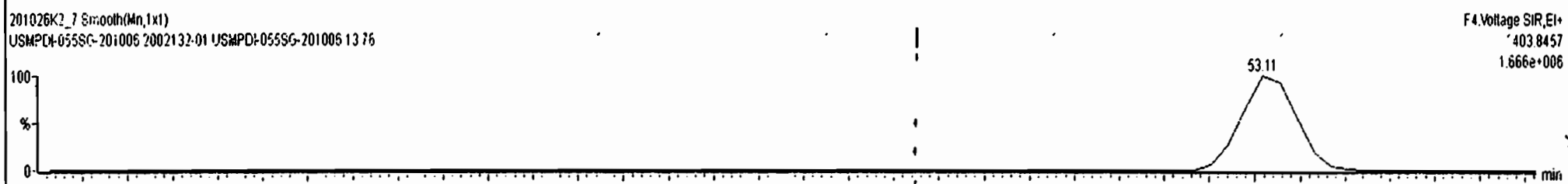
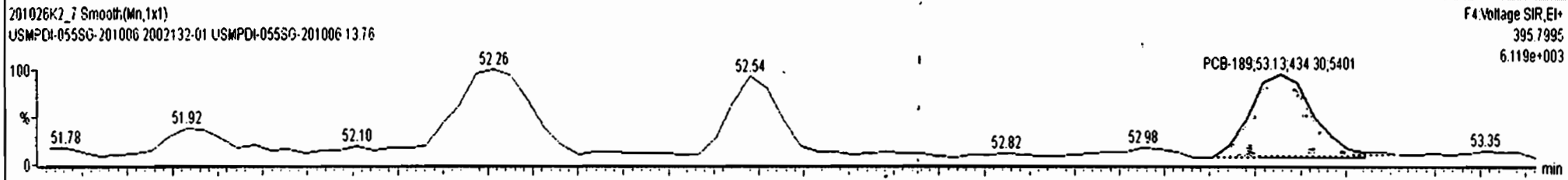
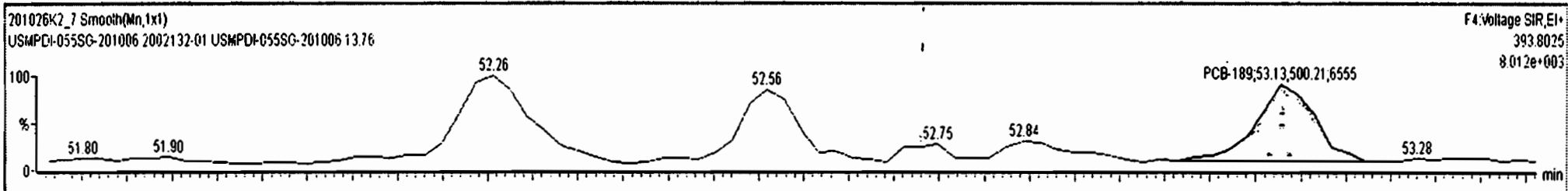
#	Name	Resp	RA	nly	RRF	wtVol	Pred RT	RT	Pred R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
230	4th Function Penta-PCBs				1.0735	5.035	0.00		0.000		NO	83.94		1.99	84.96
231	3rd Function Hexa-PCBs				0.9505	5.035	0.00		0.000		NO	303.4		7.98	395.0
232	4th Function Hexa-PCBs				1.0316	5.035	0.00		0.000		NO	931.7		8.21	931.7

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
15	148 PCB-180	49.77	49.77	2.515e4	2.492e4	1.050	1.01	NO	206.26	206.26
16	149 PCB-193	49.99	49.98	1.640e3	1.647e3	1.050	1.00	NO	11.401	11.401
17	150 PCB-191	50.25	50.25	5.029e2	4.330e2	1.050	1.16	NO	3.1829	3.1829
18	151 PCB-170	51.44	51.44	9.933e3	8.535e3	1.050	1.16	NO	90.443	90.443
19	152 PCB-190	51.65	51.63	2.749e3	2.308e3	1.050	1.19	NO	18.738	18.738
20	153 PCB-189	53.13	53.13	5.002e2	4.333e2	1.050	1.15	NO	3.4841	3.4841



#	Name	Resp	RA	nly	RRF	wVol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
230	4th Function Penta-PCBs				1.0735	5.035	0.00		0.000		NO	83.94		1.99	84.96
231	3rd Function Hexa-PCBs				0.9505	5.035	0.00		0.000		NO	303.4		7.98	395.0
232	4th Function Hexa-PCBs				1.0316	5.035	0.00		0.000		NO	931.7		8.21	931.7

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	132 PCB-184	43.54	43.50	8.575e1	8.794e1	1.050	0.98	NO	0.57552	0.57552
2	133 PCB-179	44.34	44.34	6.638e3	6.430e3	1.050	1.03	NO	41.085	41.085
3	134 PCB-176	44.83	44.81	1.789e3	1.938e3	1.050	0.92	NO	11.621	11.621





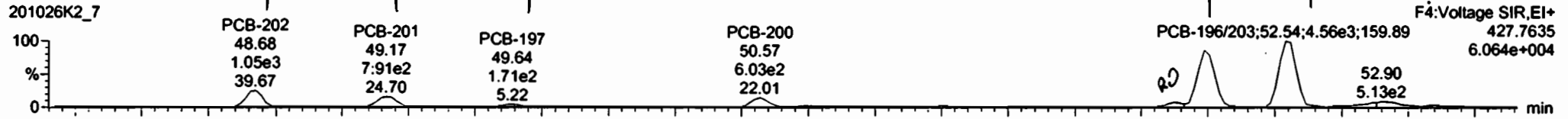
Dataset: Untitled

Last Altered: Tuesday, October 27, 2020 11:30:51 Pacific Daylight Time

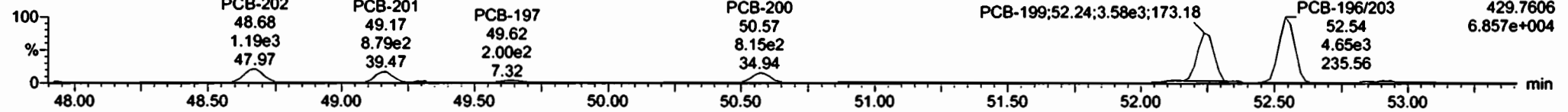
Printed: Tuesday, October 27, 2020 11:31:27 Pacific Daylight Time

Name: 201026K2\_7, Date: 27-Oct-2020, Time: 03:46:01, ID: 2002132-01 USMPDI-055SG-201006 13.76, Description: USMPDI-055SG-201006

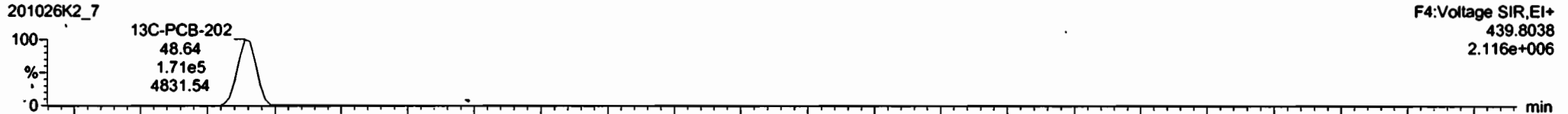
**PCB-202**



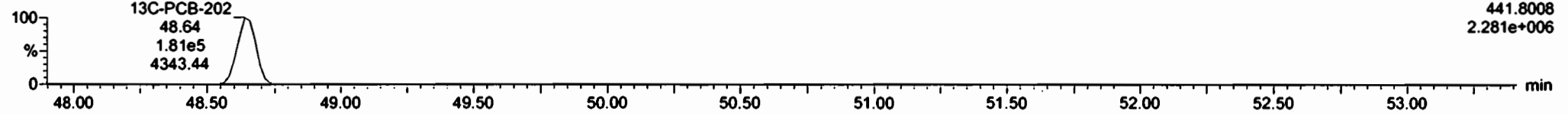
**201026K2\_7**



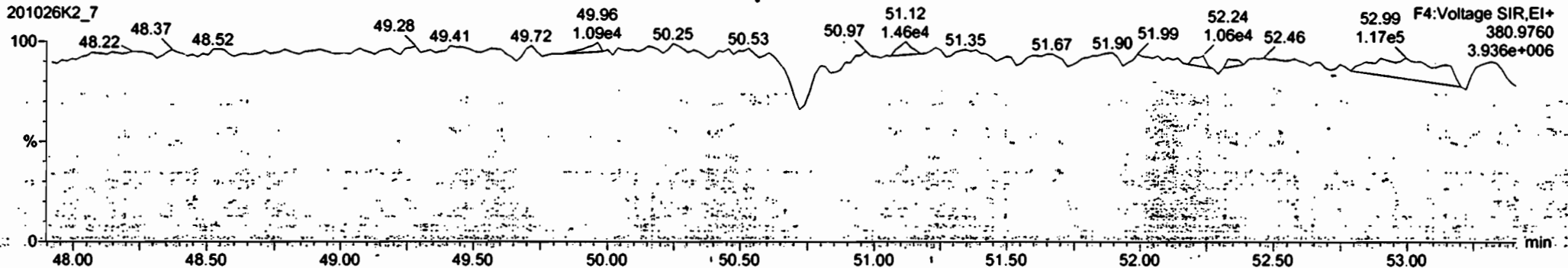
**13C-PCB-202**



**201026K2\_7**



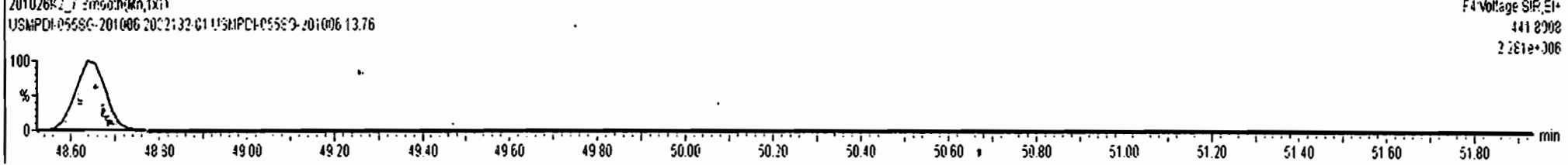
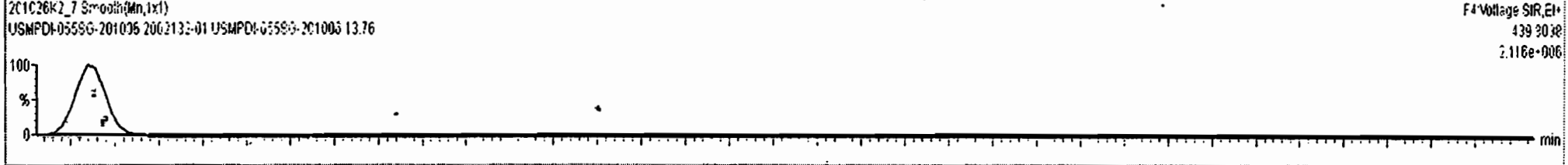
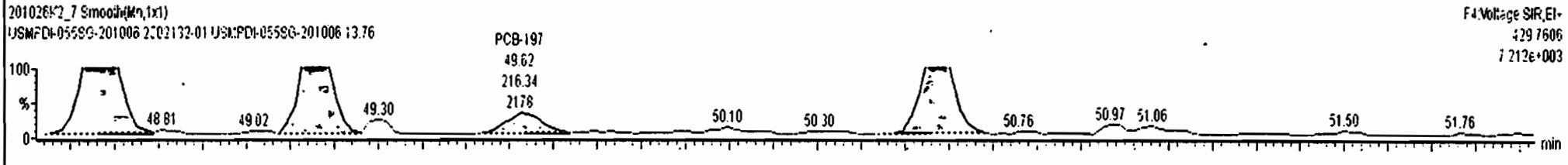
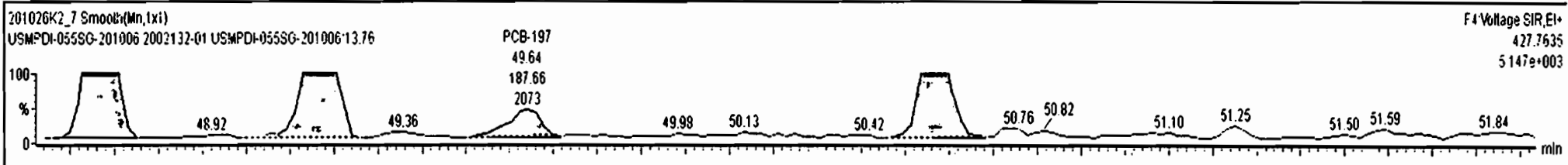
**PFK4d**



201026K2\_7:2002132-01 USMPDI-055SG-201006-13.76 USMPDI-055SG-201006

#	Name	Resp	RA	nly	RFF	WtVol	Pred.RT	RT	Pred.R...	RRT	RRT Fal	Conc.	%Rec	DL	EMPC
234	4th Function Octa-PCBs				1.0008	5.035	0.00		0.000		NO	91.30		4.97	138.4
235	5th Function Octa-PCBs				1.1499	5.035	0.00		0.000		NO	74.38		1.54	75.86
236	Total Nona-PCBs				0.9523	5.035	0.00		0.000		NO	42.36		1.03	46.63

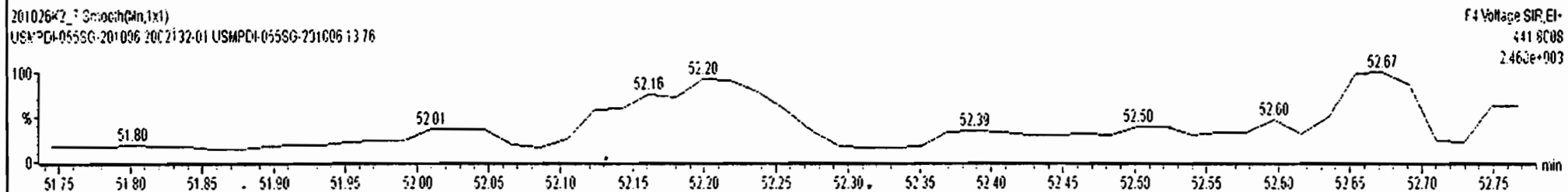
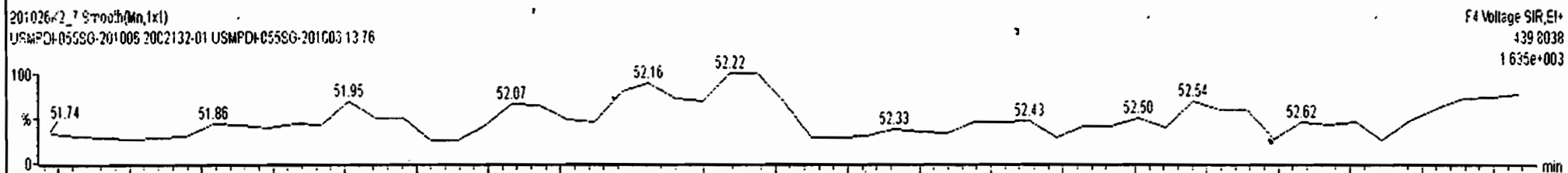
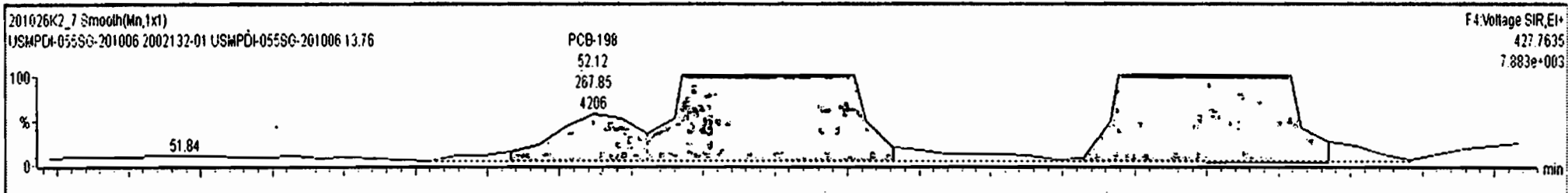
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	154 PCB-202	48.68	48.67	1.051e3	1.213e3	0.890	0.87	NO	10.913	10.913
2	155 PCB-201	49.15	49.17	7.763e2	8.972e2	0.890	0.87	NO	8.9497	8.9497
3	157 PCB-197	49.61	49.64	1.877e2	2.163e2	0.890	0.87	NO	2.0083	2.0083
4	158 PCB-200	50.55	50.57	6.241e2	8.077e2	0.890	0.77	NO	7.5315	7.5315
5	160 PCB-199	52.24	52.24	3.983e3	3.585e3	0.890	1.11	YES	47.134	0.00000
6	161 PCB-196/203	52.53	52.54	4.562e3	4.653e3	0.890	0.98	NO	61.894	61.894



201026K2\_7 - 2002132-01 USMPDI-055SG-201006 13.76 - USMPDI-055SG-201006

#	Name	Resp	RA	nly	RFI	WVol	Pred RT	RT	Pred R...	RRT	RRT Fail	Conc	%Rec	DL	EMPC
234	4th Function Octa-PCBs				1.0008	5.035	0.00		0.000		NO	145.0		4.97	147.2
235	5th Function Octa-PCBs				1.1499	5.035	0.00		0.000		NO	74.38		1.54	75.86
236	Total Nona-PCBs				0.9523	5.035	0.00		0.000		NO	42.36		1.03	46.63

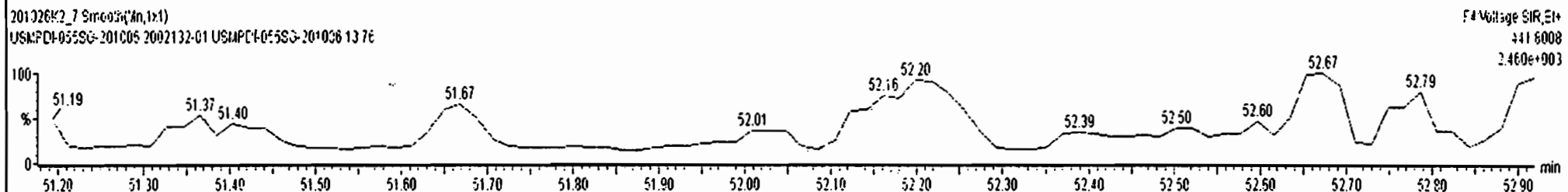
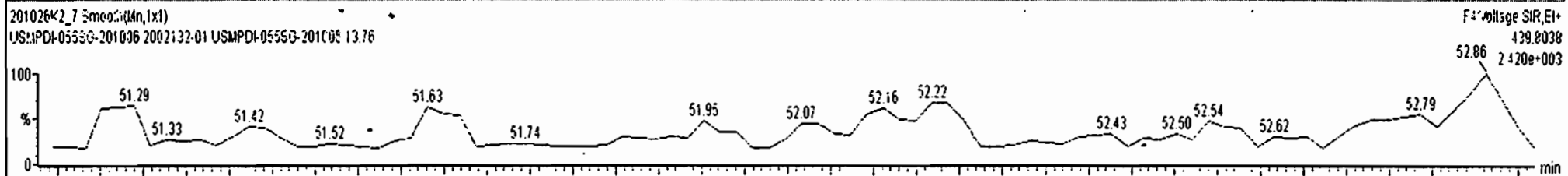
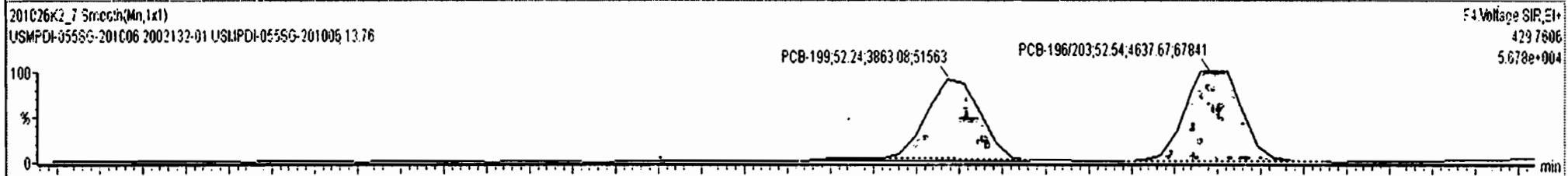
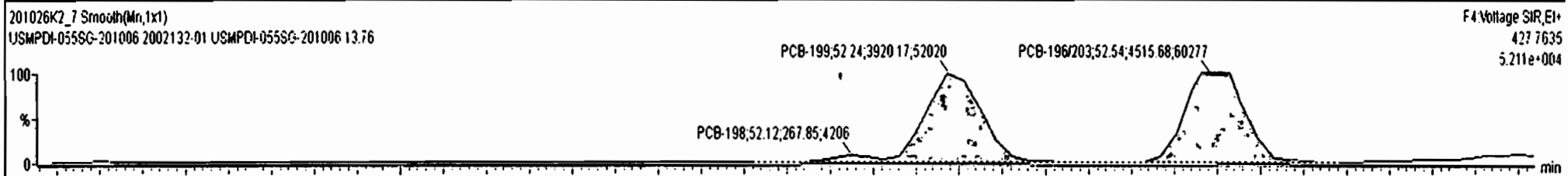
#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc
4	PCB-200	50.55	50.57	6.241e2	8.077e2	0.890	0.77	NO	7.5315	7.5315
5	PCB-198	52.10	52.12	2.679e2	1.580e2	0.890	1.69	YES	2.1183	0.00000
6	PCB-199	52.24	52.24	3.920e3	3.863e3	0.890	1.01	NO	54.151	54.151
7	PCB-196/203	52.53	52.54	4.516e3	4.638e3	0.890	0.97	NO	61.483	61.483



201026K2\_7 - 2002132-01 USMPDI-055SG-201006-13.76 - USMPDI-055SG-201006

#	Name	Resp	RA	n/y	RRF	wAval	Pred.RT	RT	Pred.R...	RRT	RRT Fal	Conc.	%Rec	DL	EMPC
234	4th Function Octa-PCBs				1.0008	5.035	0.00		0.000		NO	145.0		14.97	147.2
235	5th Function Octa-PCBs				1.1499	5.035	0.00		0.000		NO	74.38		1.54	75.66
236	Total Nona-PCBs				0.9523	5.035	0.00		0.000		NO	42.36		1.03	46.63

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
4	158 PCB-200	50.55	50.57	6.241e2	8.077e2	0.890	0.77	NO	7.5315	7.5315
5	159 PCB-198	52.10	52.12	2.679e2	1.580e2	0.890	1.69	YES	2.1183	0.00000
6	160 PCB-199	52.24	52.24	3.920e3	3.863e3	0.890	1.01	NO	54.151	54.151
7	161 PCB-196/203	52.53	52.54	4.516e3	4.638e3	0.890	0.97	NO	61.483	61.483



Dataset: Untitled

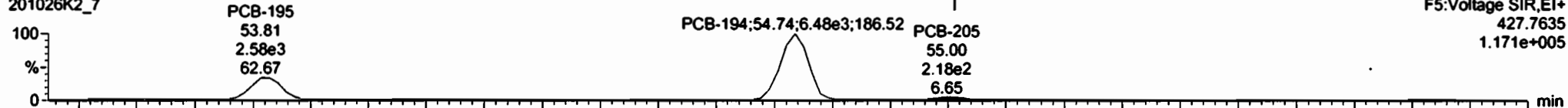
Last Altered: Tuesday, October 27, 2020 11:30:51 Pacific Daylight Time

Printed: Tuesday, October 27, 2020 11:31:27 Pacific Daylight Time

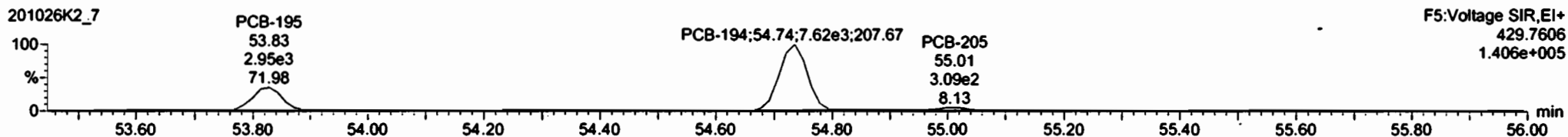
Name: 201026K2\_7, Date: 27-Oct-2020, Time: 03:46:01, ID: 2002132-01 USMPDI-055SG-201006 13.76, Description: USMPDI-055SG-201006

PCB-195

201026K2\_7

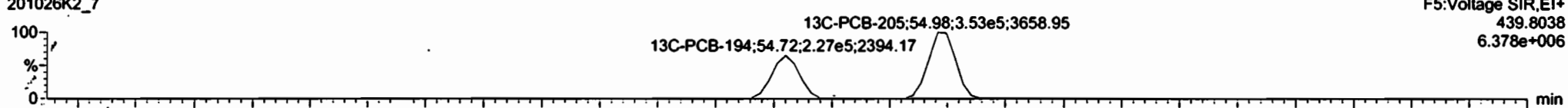


201026K2\_7

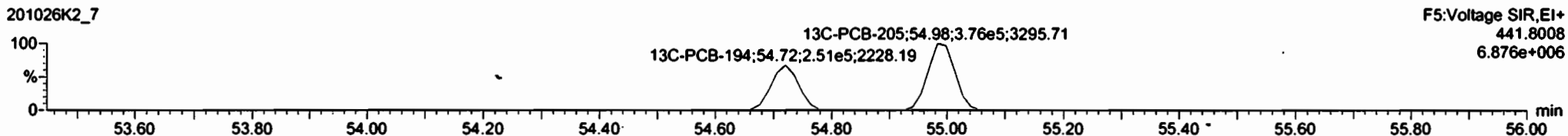


13C-PCB-194

201026K2\_7

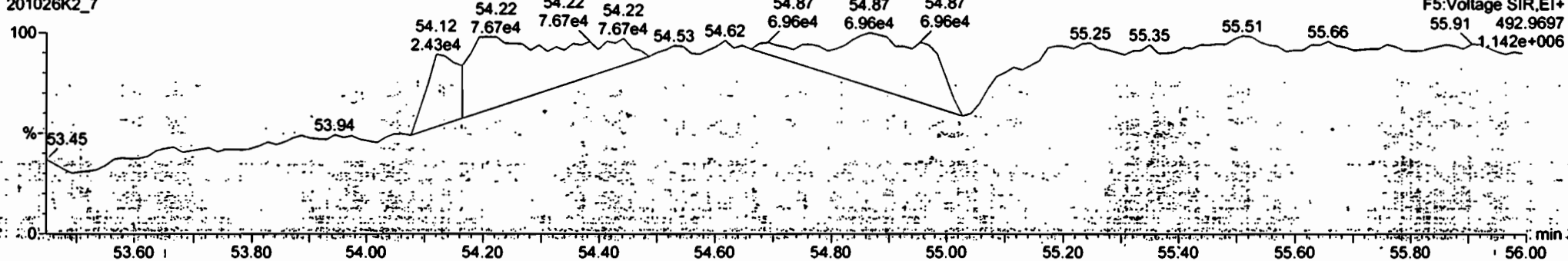


201026K2\_7



PFK5a

201026K2\_7

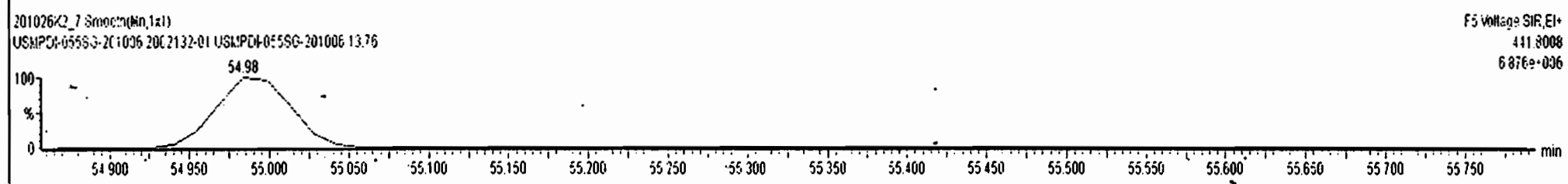
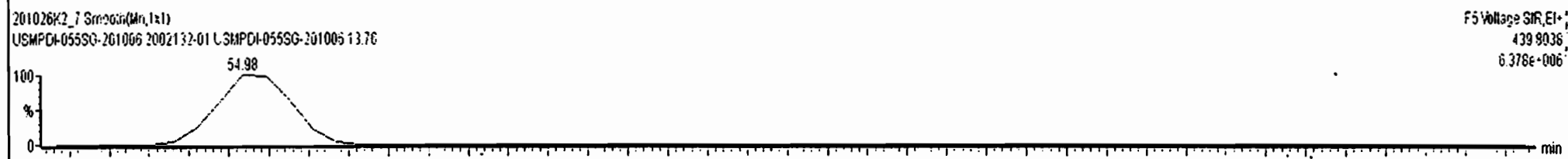
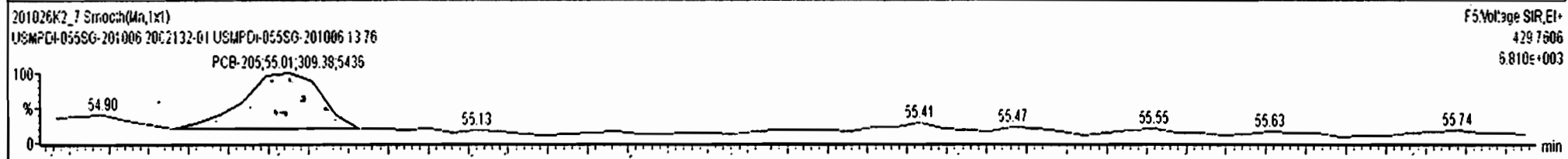
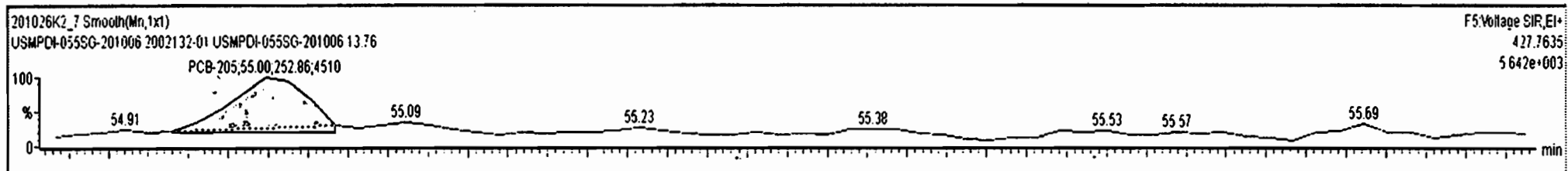




201026K2-7 - 2002132-01 USMPDI-055SG-201006.13.76 - USMPDI-055SG-201006

#	Name	Resp	RA	n/y	RRF	wtVol	Pred RT	RT	Pred R...	RRT	RRT Fal	Conc.	%Rec	DL	EMPC
234	234 4th Function Octa-PCBs				1.0008	5.035	0.00		0.000		NO	145.0		4.97	147.2
235	235 5th Function Octa-PCBs				1.1499	5.035	0.00		0.000		NO	76.19		1.54	76.19
236	236 Total Nona-PCBs				0.9523	5.035	0.00		0.000		NO	42.36		1.03	46.63

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	* Conc.
1	162 PCB-195	53.83	53.81	2.578e3	2.946e3	0.890	0.88	NO	21.950	21.950
2	163 PCB-194	54.74	54.74	6.482e3	7.616e3	0.890	0.85	NO	52.426	52.426
3	164 PCB-205	55.01	55.00	2.529e2	3.094e2	0.890	0.82	NO	1.8095	1.8095



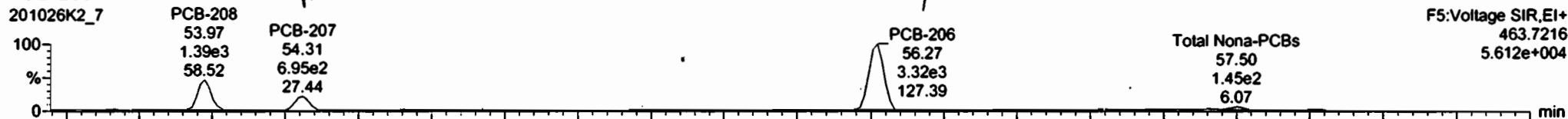
Dataset: Untitled

Last Altered: Tuesday, October 27, 2020 11:30:51 Pacific Daylight Time

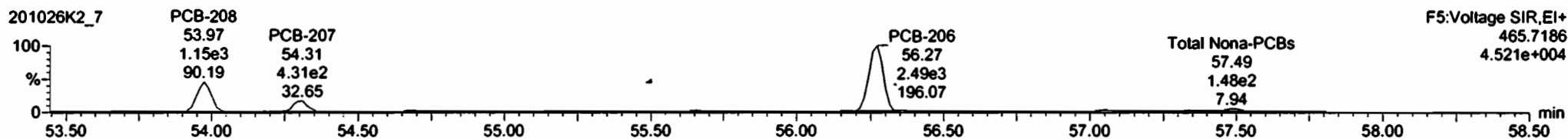
Printed: Tuesday, October 27, 2020 11:31:27 Pacific Daylight Time

Name: 201026K2\_7, Date: 27-Oct-2020, Time: 03:46:01, ID: 2002132-01 USMPDI-055SG-201006 13.76, Description: USMPDI-055SG-201006

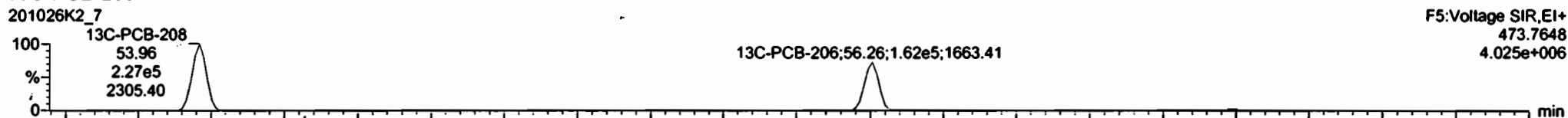
PCB-208



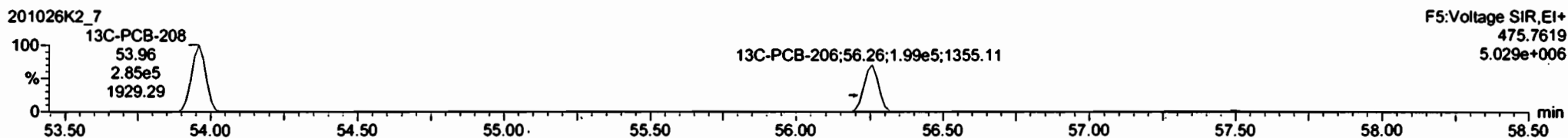
201026K2\_7



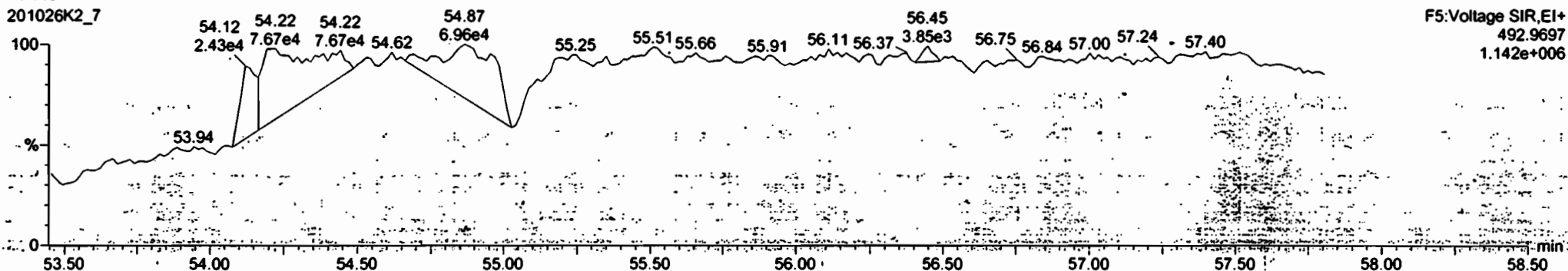
13C-PCB-208



201026K2\_7



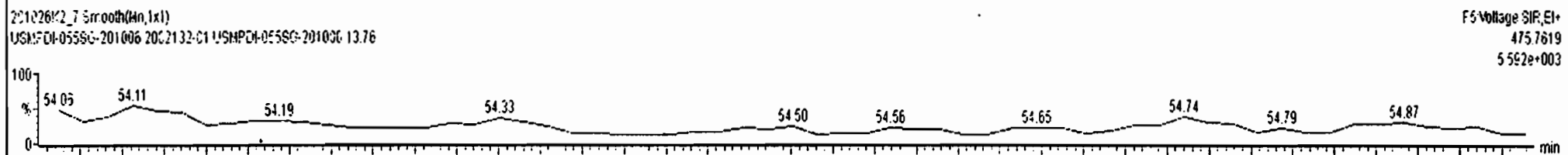
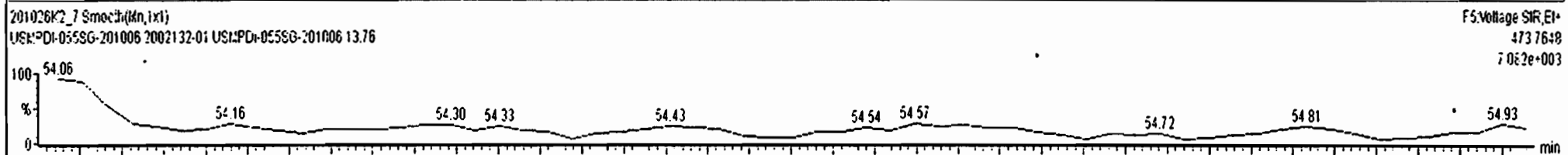
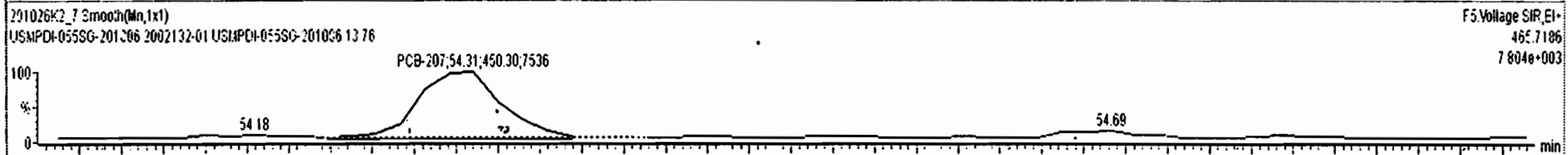
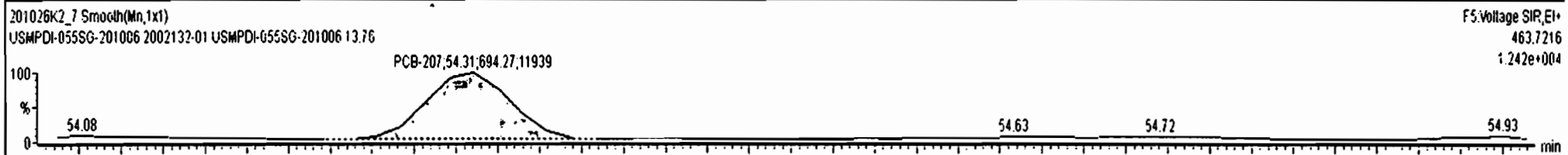
PFK5



201026K2\_7 - 2002132-01 USMPDI-055SG-201006-13-76 - USMPDI-055SG-201006

#	Name	Resp	RA	n/y	RRF	wVol	Pred RT	RT	Pred R...	RRT	RRT Fal	Conc.	%Rec	DL	EMPC
234	4th Function Octa-PCBs				1.0008	5.035	0.00		0.000		NO	145.0		4.97	147.2
235	5th Function Octa-PCBs				1.1499	5.035	0.00		0.000		NO	76.19		1.54	76.19
236	Total Nona-PCBs				0.9523	5.035	0.00		0.000		NO	42.36		1.03	46.83

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	165 PCB-208	53.98	53.97	1.392e3	1.148e3	1.340	1.21	NO	10.562	10.562
2	166 PCB-207	54.30	54.31	6.943e2	4.503e2	1.340	1.54	YES	4.4614	0.00000
3	167 PCB-206	56.27	56.27	3.322e3	2.492e3	1.340	1.33	NO	31.803	31.803





Dataset: Untitled

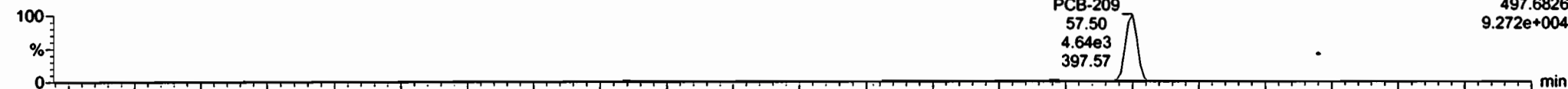
Last Altered: Tuesday, October 27, 2020 11:30:51 Pacific Daylight Time

Printed: Tuesday, October 27, 2020 11:31:27 Pacific Daylight Time

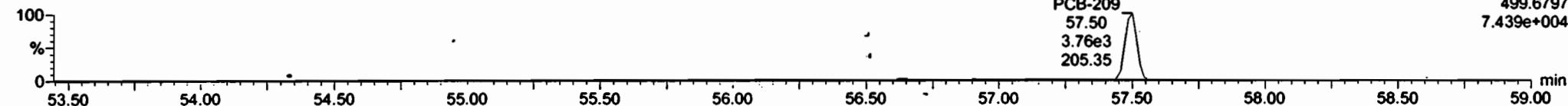
Name: 201026K2\_7, Date: 27-Oct-2020, Time: 03:46:01, ID: 2002132-01 USMPDI-055SG-201006 13.76, Description: USMPDI-055SG-201006

**PCB-209**

201026K2\_7

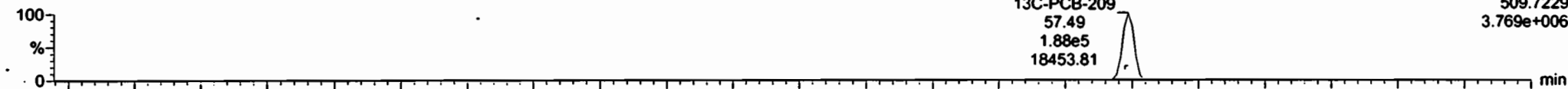


201026K2\_7

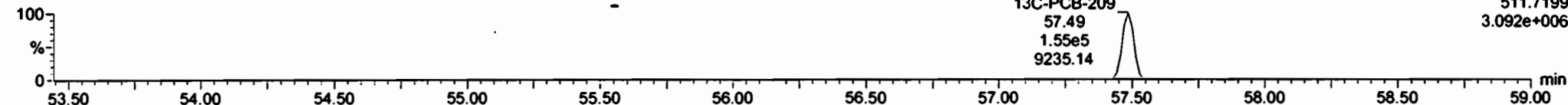


**13C-PCB-209**

201026K2\_7

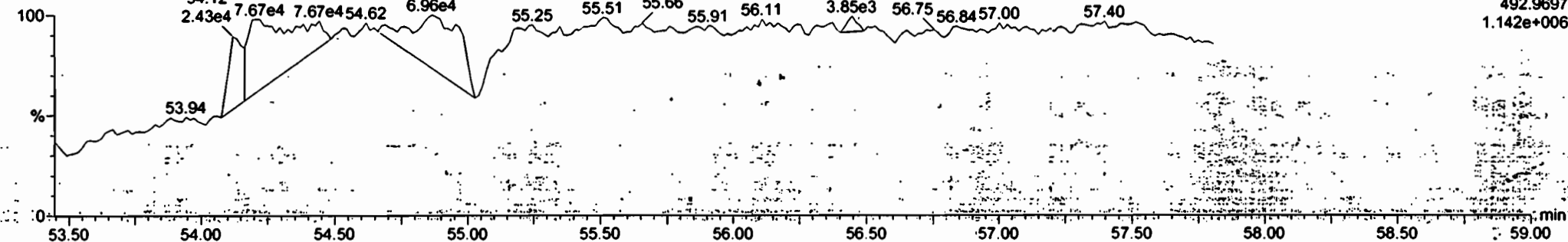


201026K2\_7



**PFK5b**

201026K2\_7



## **CONTINUING CALIBRATION**

# HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

**Beg. Calibration ID:** ST201105RL-1

**Reviewed By:** BEB 11/06/2020  
*Initials & Date*

**End Calibration ID:** ST201105R2-1

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

	<u>Beg.</u>	<u>End</u>
<b>Mass resolution <math>\geq</math></b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> 5k <input type="checkbox"/> 6-8K <input type="checkbox"/> 8K <input checked="" type="checkbox"/> 10K 1614    1699    429    1613/1668/8280		
<b>Intergrated peaks display correctly?</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>GC Break &lt;20%</b>		<input type="checkbox"/> <u>NA</u>
<b><u>8280 CS1 End Standard:</u></b>		
<b>- Ratios within limits, S/N &lt;2.5:1, CS1 within 12 hours</b>		<input type="checkbox"/> <u>NA</u>

**Comments:**  
 (A) One mass in end resolution check under 10K at HN 11/06/2020

Dataset: U:\VG12.PRO\Results\201105R1\201105R1\_1.qld

Last Altered: Thursday, November 05, 2020 14:31:38 Pacific Standard Time  
Printed: Thursday, November 05, 2020 15:12:17 Pacific Standard Time

HN 11/05/2020  
Geo 11/06/2020

Method: U:\VG12.PRO\MethDB\1613rrt-10-20-20.mdb 04 Nov 2020 10:00:50  
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-10-20-20.cdb 20 Oct 2020 13:36:10

Name: 201105R1\_1, Date: 05-Nov-2020, Time: 11:32:43, ID: ST201105R1\_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	1.17e5	1.17e6	0.76	NO	0.950	26.23	26.23	NO	1.001	1.001	10.555	106	NO
2	2 1,2,3,7,8-PeCDD	3.97e5	8.39e5	0.62	NO	0.885	30.91	30.92	NO	1.000	1.001	53.366	107	NO
3	3 1,2,3,4,7,8-HxCDD	3.23e5	6.23e5	1.26	NO	1.02	34.24	34.24	NO	1.001	1.001	50.948	102	NO
4	4 1,2,3,6,7,8-HxCDD	3.49e5	7.44e5	1.27	NO	0.915	34.34	34.35	NO	1.000	1.000	51.267	103	NO
5	5 1,2,3,7,8,9-HxCDD	3.21e5	6.73e5	1.31	NO	0.934	34.62	34.63	NO	1.000	1.001	51.055	102	NO
6	6 1,2,3,4,6,7,8-HpCDD	2.50e5	5.63e5	1.01	NO	0.870	38.10	38.12	NO	1.000	1.000	50.946	102	NO
7	7 OCDD	4.45e5	9.92e5	0.88	NO	0.872	41.06	41.07	NO	1.000	1.000	103.02	103	NO
8	8 2,3,7,8-TCDF	1.22e5	1.53e6	0.75	NO	0.824	25.53	25.55	NO	1.000	1.001	9.7100	97.1	NO
9	9 1,2,3,7,8-PeCDF	6.27e5	1.27e6	1.55	NO	0.963	29.64	29.65	NO	1.000	1.001	51.483	103	NO
10	10 2,3,4,7,8-PeCDF	6.26e5	1.16e6	1.56	NO	1.07	30.69	30.72	NO	1.000	1.001	50.338	101	NO
11	11 1,2,3,4,7,8-HxCDF	3.72e5	7.87e5	1.21	NO	0.953	33.30	33.33	NO	1.000	1.001	49.606	99.2	NO
12	12 1,2,3,6,7,8-HxCDF	4.23e5	8.37e5	1.21	NO	1.01	33.43	33.46	NO	1.000	1.001	50.145	100	NO
13	13 2,3,4,6,7,8-HxCDF	3.82e5	7.72e5	1.21	NO	0.991	34.11	34.13	NO	1.000	1.001	49.896	99.8	NO
14	14 1,2,3,7,8,9-HxCDF	3.17e5	6.63e5	1.24	NO	0.951	35.11	35.12	NO	1.000	1.000	50.252	101	NO
15	15 1,2,3,4,6,7,8-HpCDF	3.02e5	6.11e5	1.00	NO	0.999	36.69	36.71	NO	1.000	1.001	49.514	99.0	NO
16	16 1,2,3,4,7,8,9-HpCDF	2.51e5	4.57e5	0.99	NO	1.12	38.73	38.74	NO	1.000	1.000	48.972	97.9	NO
17	17 OCDF	4.65e5	1.06e6	0.87	NO	0.868	41.37	41.37	NO	1.000	1.000	101.20	101	NO
18	18 13C-2,3,7,8-TCDD	1.17e6	1.04e6	0.79	NO	1.11	26.19	26.20	NO	1.029	1.030	101.37	101	NO
19	19 13C-1,2,3,7,8-PeCDD	8.39e5	1.04e6	0.63	NO	0.859	30.82	30.90	NO	1.211	1.214	93.882	93.9	NO
20	20 13C-1,2,3,4,7,8-HxCDD	6.23e5	8.46e5	1.28	NO	0.700	34.20	34.21	NO	1.013	1.014	105.36	105	NO
21	21 13C-1,2,3,6,7,8-HxCDD	7.44e5	8.46e5	1.29	NO	0.833	34.33	34.33	NO	1.017	1.017	105.61	106	NO
22	22 13C-1,2,3,7,8,9-HxCDD	6.73e5	8.46e5	1.25	NO	0.762	34.60	34.61	NO	1.025	1.025	104.50	105	NO
23	23 13C-1,2,3,4,6,7,8-HpCDD	5.63e5	8.46e5	1.05	NO	0.650	38.04	38.10	NO	1.127	1.129	102.54	103	NO
24	24 13C-OCDD	9.92e5	8.46e5	0.91	NO	0.539	40.97	41.06	NO	1.214	1.217	217.48	109	NO
25	25 13C-2,3,7,8-TCDF	1.53e6	1.58e6	0.76	NO	0.981	25.53	25.52	NO	1.003	1.003	98.668	98.7	NO
26	26 13C-1,2,3,7,8-PeCDF	1.27e6	1.58e6	1.61	NO	0.792	29.58	29.63	NO	1.162	1.164	101.42	101	NO
27	27 13C-2,3,4,7,8-PeCDF	1.16e6	1.58e6	1.62	NO	0.778	30.63	30.69	NO	1.204	1.206	94.995	95.0	NO
28	28 13C-1,2,3,4,7,8-HxCDF	7.87e5	8.46e5	0.50	NO	0.954	33.30	33.30	NO	0.987	0.987	97.555	97.6	NO
29	29 13C-1,2,3,6,7,8-HxCDF	8.37e5	8.46e5	0.51	NO	1.01	33.44	33.43	NO	0.991	0.991	98.427	98.4	NO
30	30 13C-2,3,4,6,7,8-HxCDF	7.72e5	8.46e5	0.51	NO	0.921	34.10	34.10	NO	1.010	1.010	99.152	99.2	NO
31	31 13C-1,2,3,7,8,9-HxCDF	6.63e5	8.46e5	0.51	NO	0.803	35.10	35.11	NO	1.040	1.040	97.543	97.5	NO

Dataset: U:\VG12.PRO\Results\201105R1\201105R1\_1.qld

Last Altered: Thursday, November 05, 2020 14:31:38 Pacific Standard Time

Printed: Thursday, November 05, 2020 15:12:17 Pacific Standard Time

Name: 201105R1\_1, Date: 05-Nov-2020, Time: 11:32:43, ID: ST201105R1\_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	32 13C-1,2,3,4,6,7,8-HpCDF	6.11e5	8.46e5	0.43	NO	0.735	36.67	36.69	NO	1.086	1.087	98.173	98.2	NO
33	33 13C-1,2,3,4,7,8,9-HpCDF	4.57e5	8.46e5	0.42	NO	0.568	38.65	38.73	NO	1.145	1.148	95.147	95.1	NO
34	34 13C-OCDF	1.06e6	8.46e5	0.86	NO	0.629	41.26	41.36	NO	1.222	1.225	198.99	99.5	NO
35	35 37Cl-2,3,7,8-TCDD	1.23e5	1.04e6			1.09	26.21	26.23	NO	1.030	1.031	10.863	109	NO
36	36 13C-1,2,3,4-TCDD	1.04e6	1.04e6	0.80	NO	1.00	25.43	25.45	NO	1.000	1.000	100.00	100	NO
37	37 13C-1,2,3,4-TCDF	1.58e6	1.58e6	0.78	NO	1.00	24.13	23.97	NO	1.000	1.000	100.00	100	NO
38	38 13C-1,2,3,4,6,9-HxCDF	8.46e5	8.46e5	0.52	NO	1.00	33.84	33.75	NO	1.000	1.000	100.00	100	YES <i>dk</i>

Dataset: Untitled

Last Altered: Friday, November 06, 2020 09:19:56 Pacific Standard Time  
Printed: Friday, November 06, 2020 09:20:14 Pacific Standard Time

Method: U:\VG12.PRO\MethDB\1613rrt-10-20-20.mdb 04 Nov 2020 10:00:50  
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-10-20-20.cdb 20 Oct 2020 13:36:10

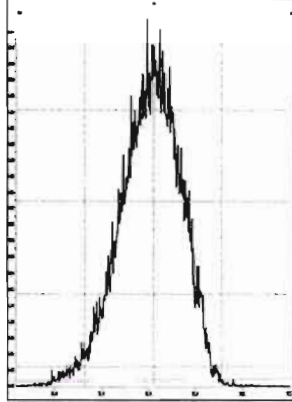
Compound name: 2,3,7,8-TCDD

	Name	ID	Acq.Date	Acq.Time
1	201105R1_1	ST201105R1_1 1613 CS3 20F1105	05-Nov-20	11:32:43
2	201105R1_2	TCDF CP5M	05-Nov-20	12:18:51
3	201105R1_3	SOLVENT BLANK	05-Nov-20	13:03:45
4	201105R1_4	B0J0262-BS2 OPR 10	05-Nov-20	13:49:24
5	201105R1_5	B0J0262-BS7 OPR 10	05-Nov-20	14:38:45
6	201105R1_6	B0J0262-BS1 OPR 10	05-Nov-20	15:27:02
7	201105R1_7	B0J0169-BS1 OPR 10	05-Nov-20	16:14:16
8	201105R1_8	SOLVENT BLANK	05-Nov-20	16:59:51
9	201105R1_9	B0J0262-BLK1 Method Blank 10	05-Nov-20	17:44:44
10	201105R1_10	B0J0169-BLK1 Method Blank 10	05-Nov-20	18:29:35
11	201105R1_11	2002223-01 EFF 0.83918	05-Nov-20	19:14:27
12	201105R1_12	2002225-01 2029281-01 0.93844	05-Nov-20	19:59:18
13	201105R1_13	2002229-04 NCPDI-1008SW-201014 0.97468	05-Nov-20	20:44:08
14	201105R1_14	2002141-01 Composite Wastewater 0.91904	05-Nov-20	21:29:01
15	201105R1_15	2002150-01 I002-RAW WATER #5148789 0.8...	05-Nov-20	22:13:53
16	201105R1_16	2002152-01 Lift Station Composite 0.92461	05-Nov-20	22:58:47
17	201105R2_1	SOLVENT BLANK	05-Nov-20	23:52:45
18	201105R2_2	ST201105R2_1 1613 CS3 20F1105	06-Nov-20	00:37:38

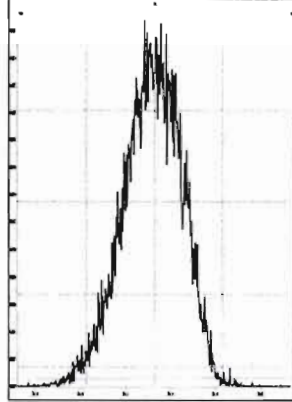
File: Experiment: OCDD\_DB5\_2.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Thursday, November 05, 2020 11:20:17 Pacific Standard Time

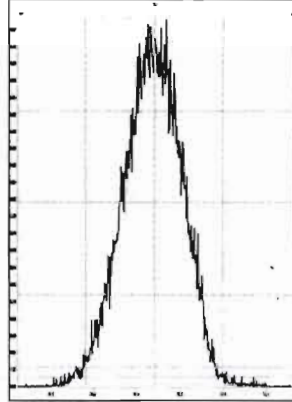
M 292.9824 R 10039



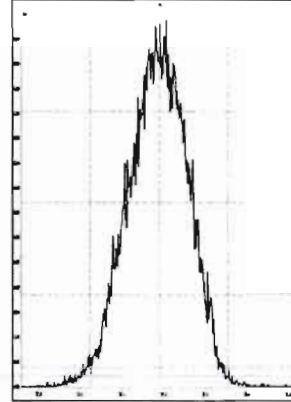
M 304.9824 R 10457



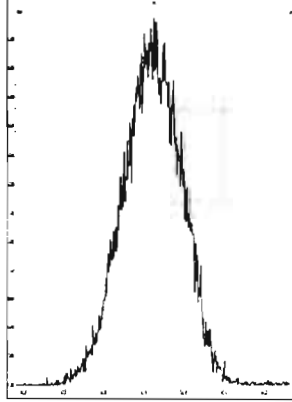
M 318.9792 R 10330



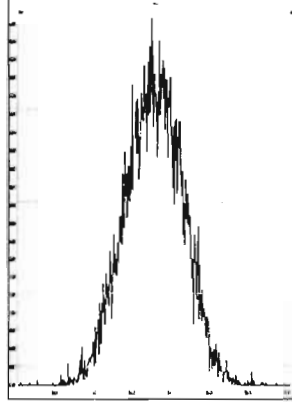
M 330.9792 R 10501



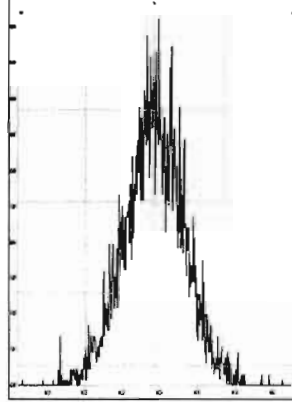
M 342.9792 R 10822



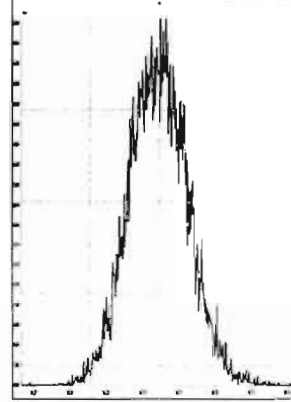
M 354.9792 R 10550



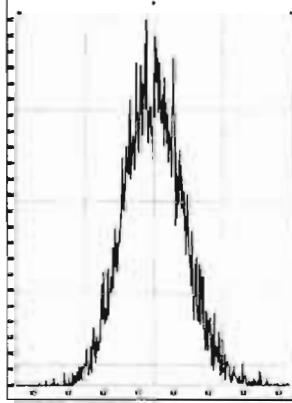
M 366.9792 R 10377



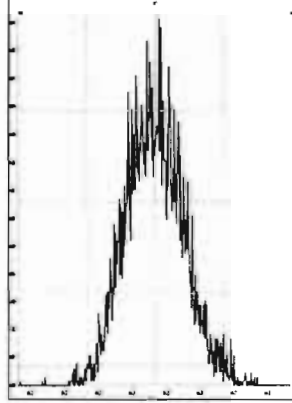
M 380.9760 R 10201



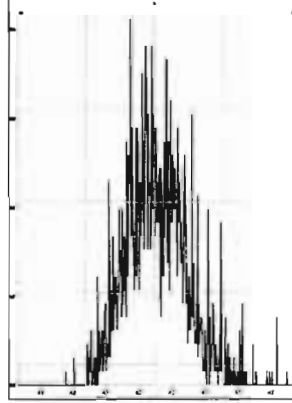
M 392.9760 R 10459



M 404.9760 R 11575



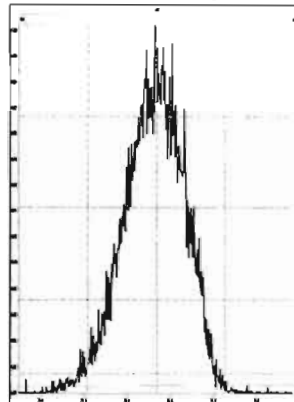
M 416.9760 R 12561



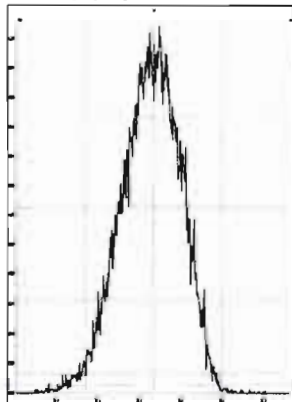
File: Experiment: OCDD\_DB5\_2.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Thursday, November 05, 2020 11:21:51 Pacific Standard Time

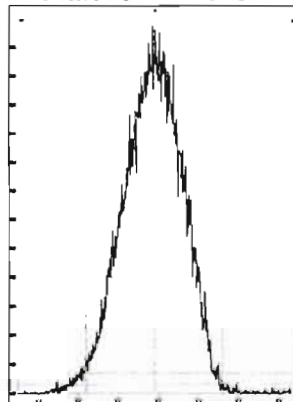
M 318.9792 R 10776



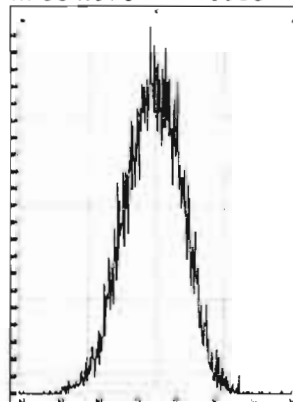
M 330.9792 R 10414



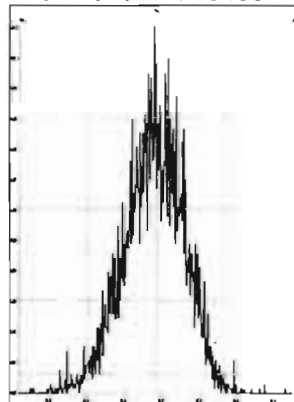
M 342.9792 R 10284



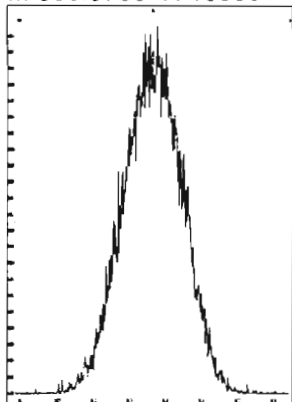
M 354.9792 R 10963



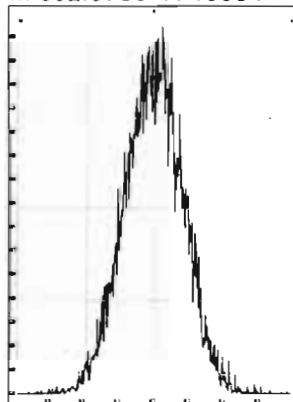
M 366.9792 R 10460



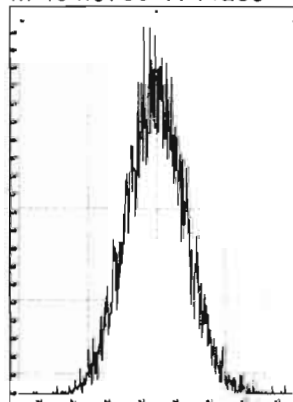
M 380.9760 R 10686



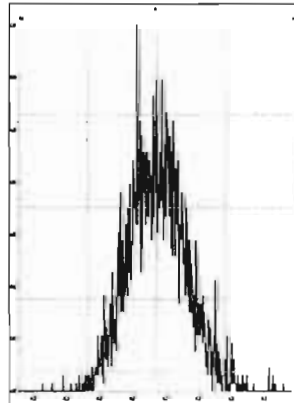
M 392.9760 R 10684



M 404.9760 R 11263



M 416.9760 R 11574

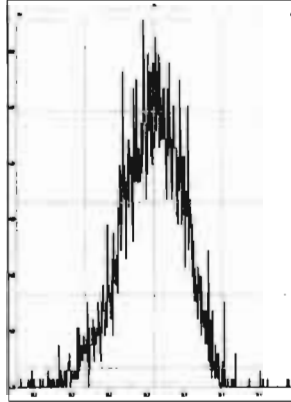




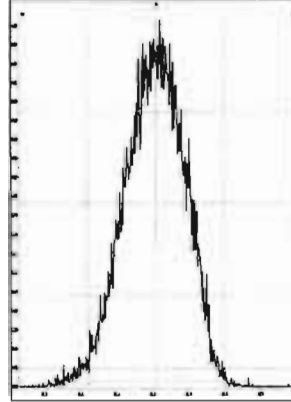
File: Experiment: OCDD\_DB5\_2.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Thursday, November 05, 2020 11:23:53 Pacific Standard Time

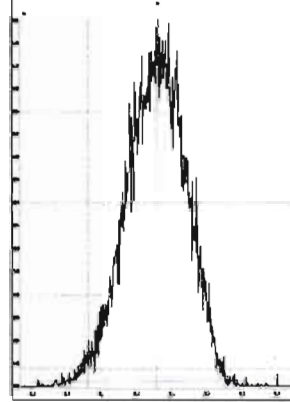
M 366.9792 R 10917



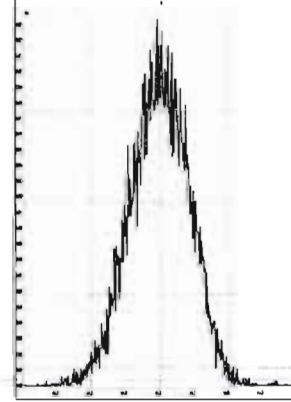
M 380.9760 R 10547



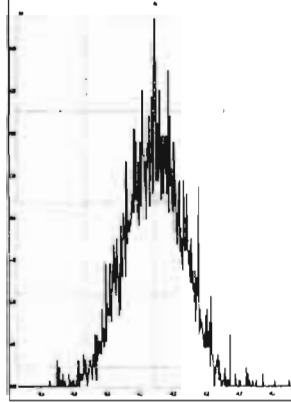
M 392.9760 R 11062



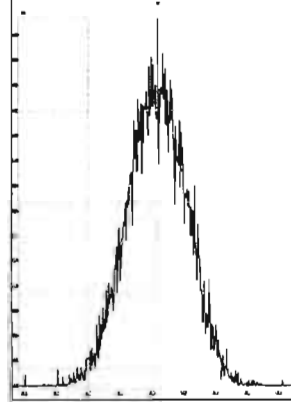
M 404.9760 R 10458



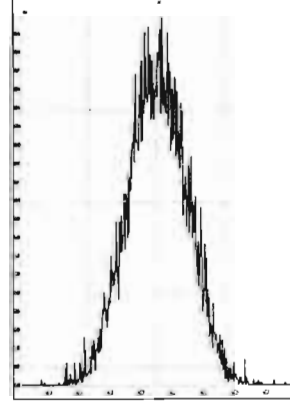
M 416.9760 R 11737



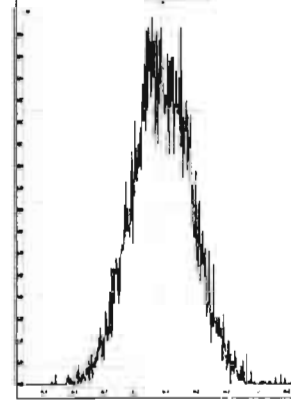
M 430.9728 R 10120



M 442.9728 R 10638



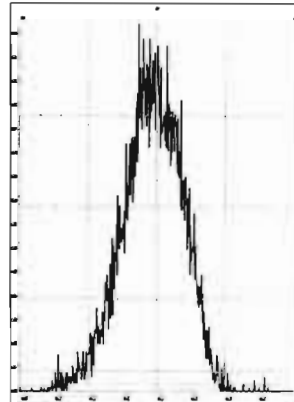
M 454.9728 R 10375



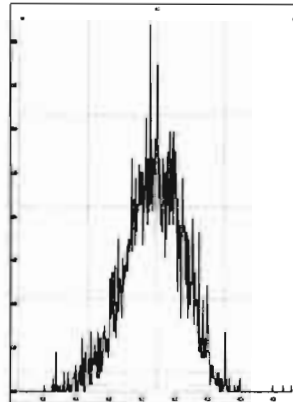
File: Experiment: OCDD\_DB5\_2.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Thursday, November 05, 2020 11:25:16 Pacific Standard Time

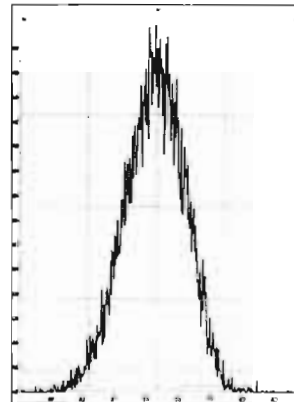
M 404.9760 R 10779



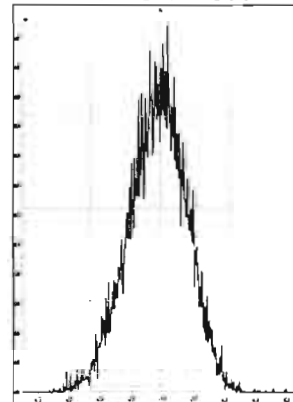
M 416.9760 R 10966



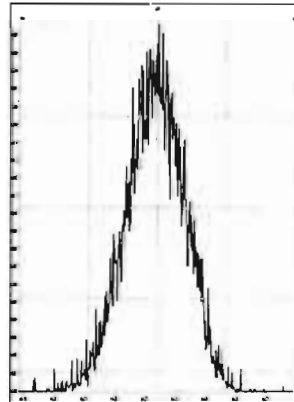
M 430.9728 R 10330



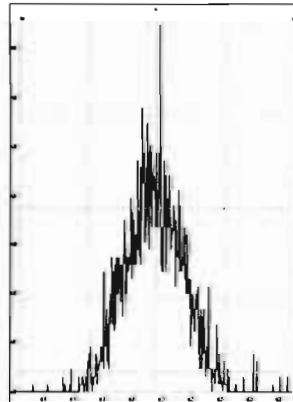
M 442.9728 R 10331



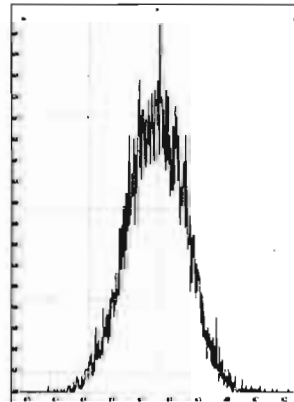
M 454.9728 R 10825



M 466.9728 R 11629



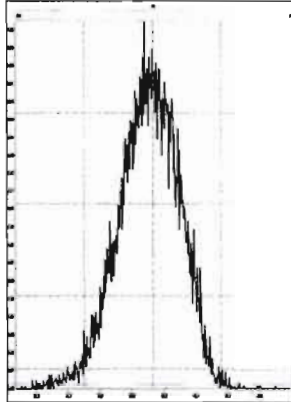
M 480.9696 R 10596



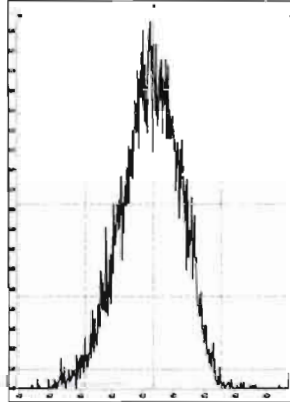
File: Experiment: OCDD\_DB5\_2.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Thursday, November 05, 2020 11:26:14 Pacific Standard Time

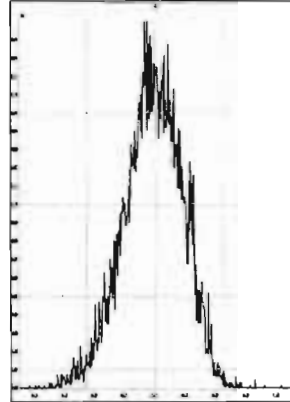
M 430.9728 R 10549



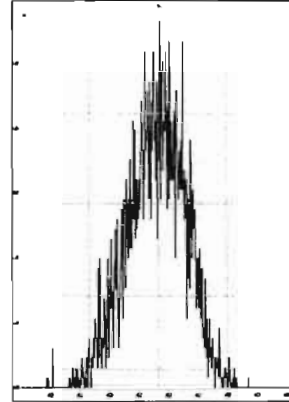
M 442.9728 R 10547



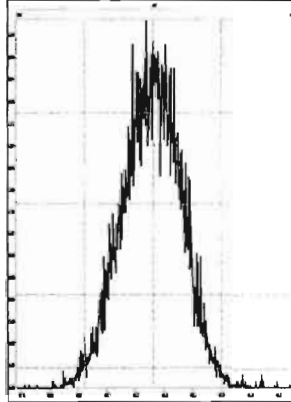
M 454.9728 R 10684



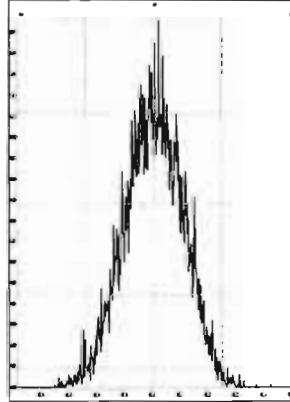
M 466.9728 R 10592



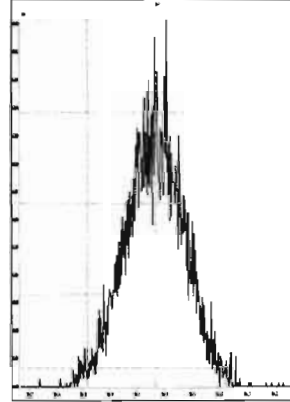
M 480.9696 R 10593



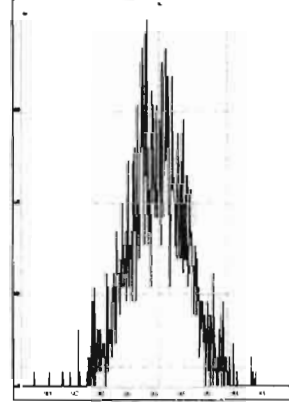
M 492.9696 R 10731



M 504.9696 R 10545



M 516.9697 R 13891



Dataset: U:\VG12.PRO\Results\201105R1\201105R1\_CPSM.qld

Last Altered: Thursday, November 05, 2020 14:54:43 Pacific Standard Time

Printed: Thursday, November 05, 2020 14:56:21 Pacific Standard Time

Method: U:\VG12.PRO\MethDB\CPSM.mdb 24 Oct 2020 08:05:27

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-10-20-20.cdb 20 Oct 2020 13:36:10

Name: 201105R1\_1, Date: 05-Nov-2020, Time: 11:32:43, ID: ST201105R1\_1 1613 CS3 20F1105, Description: 1613 CS3 20F1105

#	Name	RT
1	1 1,3,6,8-TCDD (First)	22.46
2	2 1,2,8,9-TCDD (Last)	27.12
3	3 1,2,4,7,9-PeCDD (First)	28.64
4	4 1,2,3,8,9-PeCDD (Last)	31.26
5	5 1,2,4,6,7,9-HxCDD (First)	32.59
6	6 1,2,3,7,8,9-HxCDD (Last)	34.63
7	7 1,2,3,4,6,7,9-HpCDD (First)	37.09
8	8 1,2,3,4,6,7,8-HpCDD (Last)	38.12
9	9 1,3,6,8-TCDF (First)	20.23
10	10 1,2,8,9-TCDF (Last)	27.43
11	11 1,3,4,6,8-PeCDF (First)	27.00
12	12 1,2,3,8,9-PeCDF (Last)	31.62
13	13 1,2,3,4,6,8-HxCDF (First)	32.05
14	14 1,2,3,7,8,9-HxCDF (Last)	35.12
15	15 1,2,3,4,6,7,8-HpCDF (First)	36.71
16	16 1,2,3,4,7,8,9-HpCDF (Last)	38.74

Dataset: U:\VG12.PRO\Results\201105R1\201105R1\_CPSM.qld

Last Altered: Thursday, November 05, 2020 14:54:43 Pacific Standard Time  
Printed: Thursday, November 05, 2020 14:56:21 Pacific Standard Time

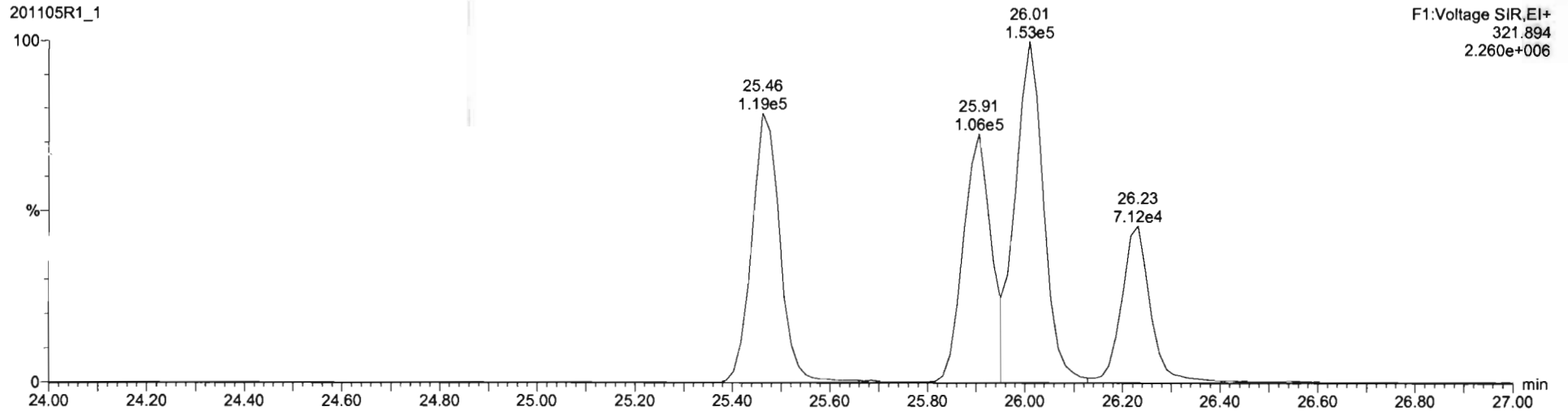
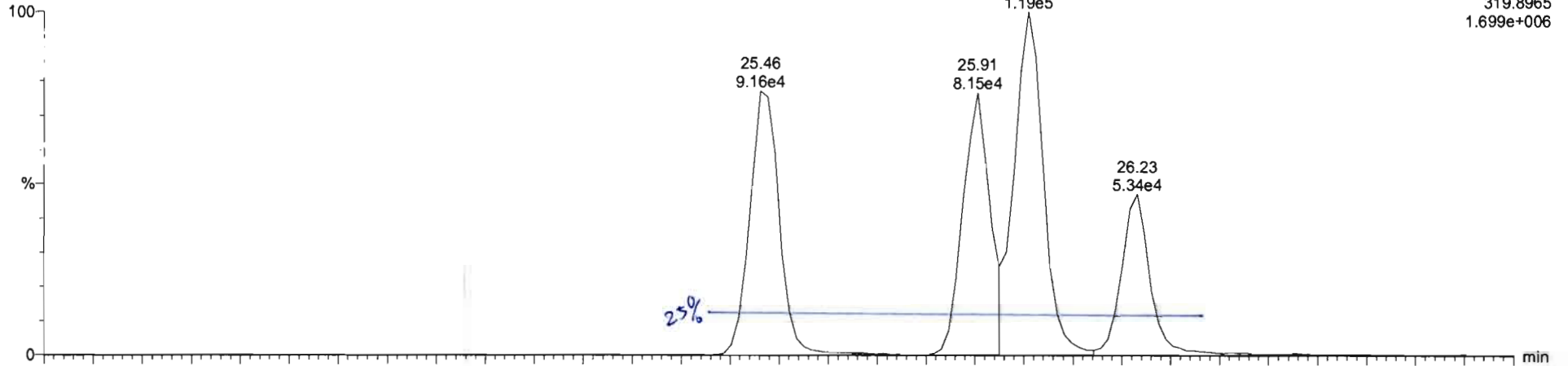
Method: U:\VG12.PRO\MethDB\CPSM.mdb 24 Oct 2020 08:05:27  
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-10-20-20.cdb 20 Oct 2020 13:36:10

Name: 201105R1\_1, Date: 05-Nov-2020, Time: 11:32:43, ID: ST201105R1\_1 1613 CS3 20F1105, Description: 1613 CS3 20F1105

1,3,6,8-TCDD (First)  
201105R1\_1

*HN 11/05/2020*  
*GRE 11/06/2020*

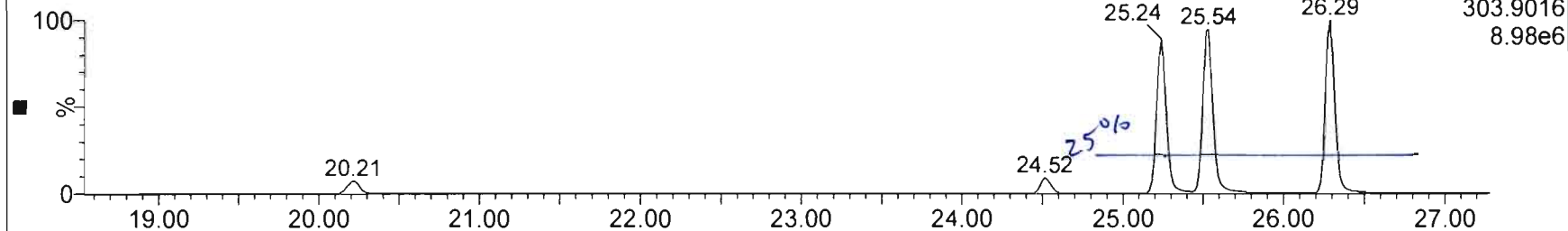
F1:Voltage SIR,EI+  
319.8965  
1.699e+006



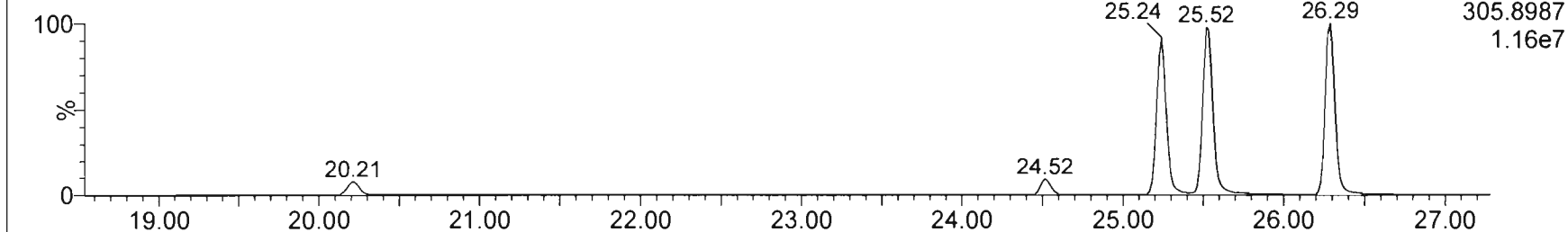
FIN 11/05/2020  
GRB 11/06/2020

### TCDF CPSM QC

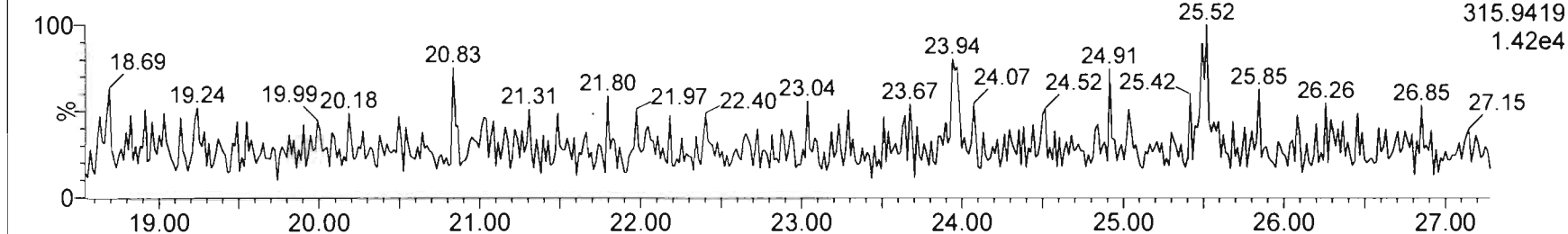
201105R1\_2



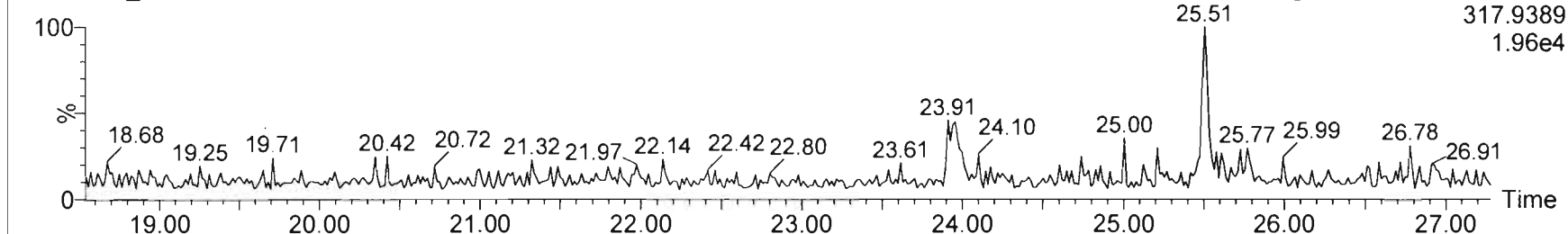
201105R1\_2



201105R1\_2



201105R1\_2



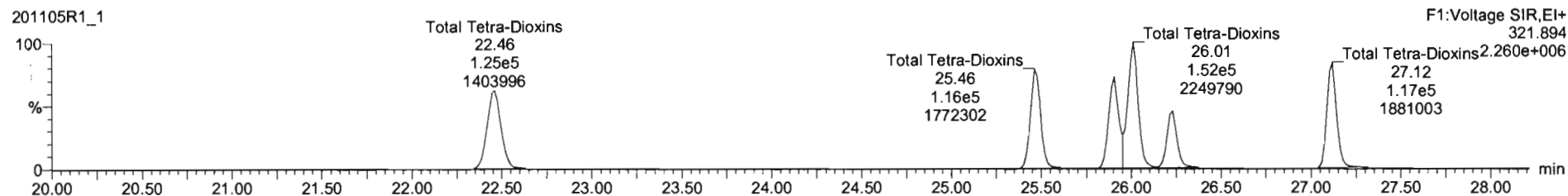
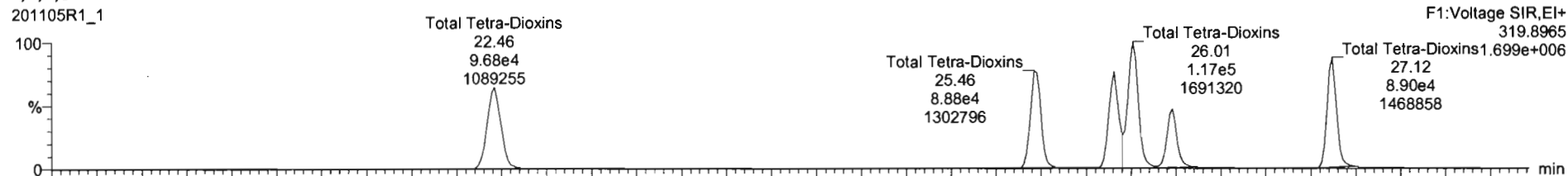
Dataset: U:\VG12.PRO\Results\201105R1\201105R1\_1.qld

Last Altered: Thursday, November 05, 2020 14:31:38 Pacific Standard Time  
Printed: Thursday, November 05, 2020 14:32:03 Pacific Standard Time

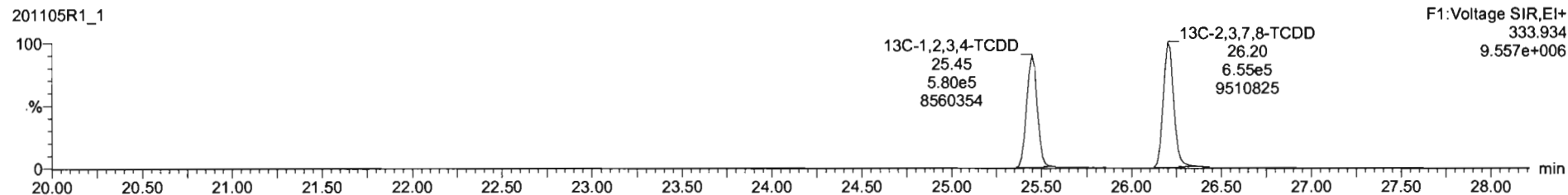
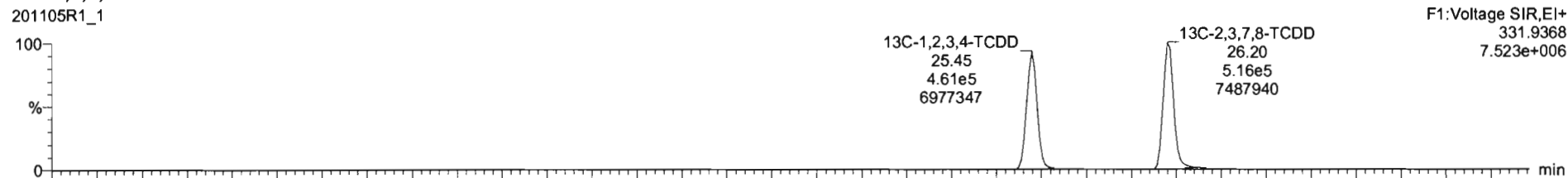
Method: U:\VG12.PRO\MethDB\1613rrt-10-20-20.mdb 04 Nov 2020 10:00:50  
Calibration: U:\VG12.PRO\CurveDB\ldbDIOXIN\_1613vg12-10-20-20.cdb 20 Oct 2020 13:36:10

Name: 201105R1\_1, Date: 05-Nov-2020, Time: 11:32:43, ID: ST201105R1\_1 1613 CS3 20F1105, Description: 1613 CS3 20F1105

**2,3,7,8-TCDD**



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



Dataset: U:\VG12.PRO\Results\201105R1\201105R1\_1.qld

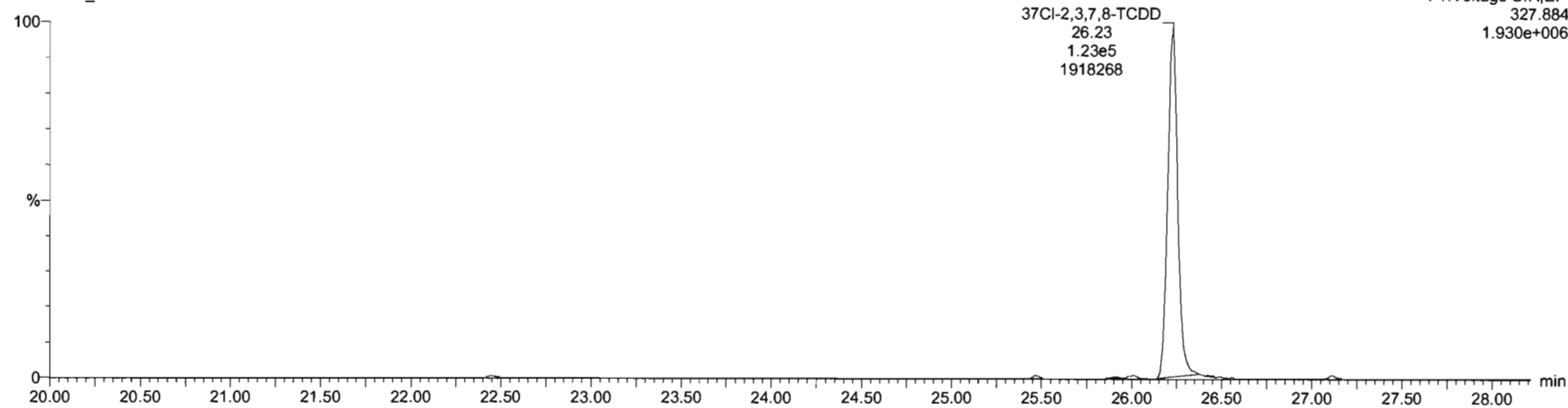
Last Altered: Thursday, November 05, 2020 14:31:38 Pacific Standard Time

Printed: Thursday, November 05, 2020 14:32:03 Pacific Standard Time

Name: 201105R1\_1, Date: 05-Nov-2020, Time: 11:32:43, ID: ST201105R1\_1 1613 CS3 20F1105, Description: 1613 CS3 20F1105

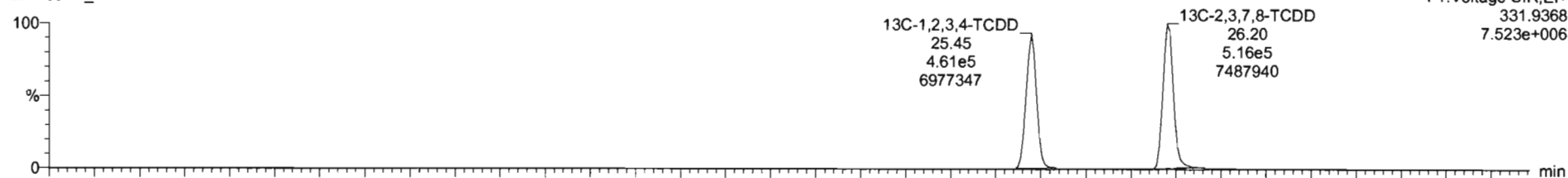
**37Cl-2,3,7,8-TCDD**

201105R1\_1

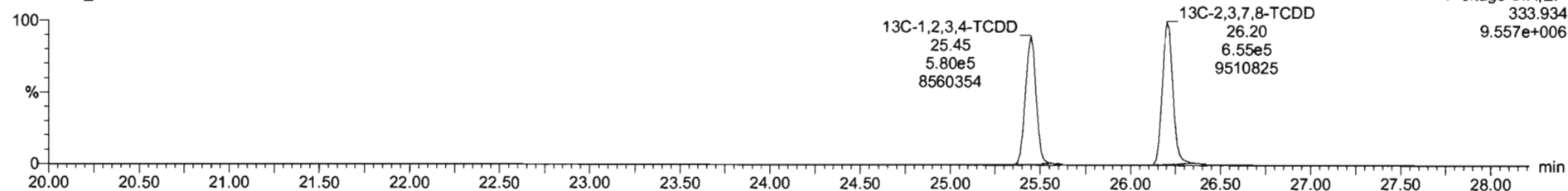


**13C-1,2,3,4-TCDD**

201105R1\_1



201105R1\_1





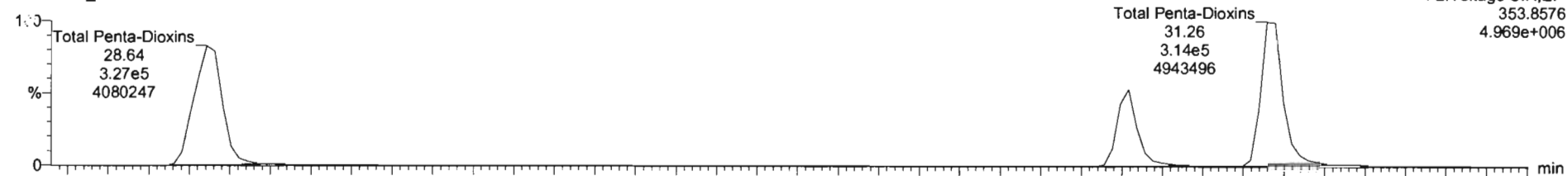
Dataset: U:\VG12.PRO\Results\201105R1\201105R1\_1.qld

Last Altered: Thursday, November 05, 2020 14:31:38 Pacific Standard Time  
Printed: Thursday, November 05, 2020 14:32:03 Pacific Standard Time

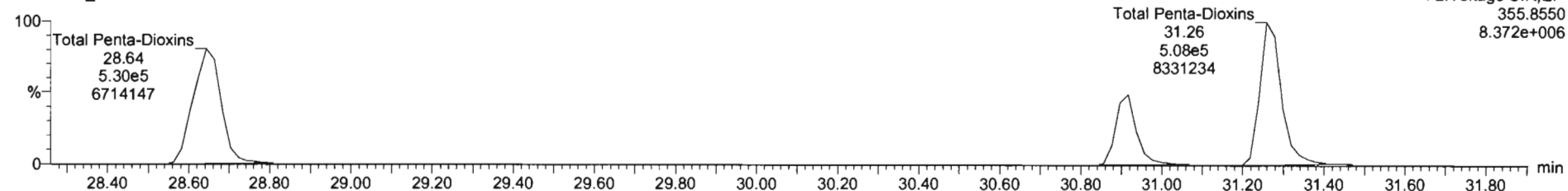
Name: 201105R1\_1, Date: 05-Nov-2020, Time: 11:32:43, ID: ST201105R1\_1 1613 CS3 20F1105, Description: 1613 CS3 20F1105

**1,2,3,7,8-PeCDD**

201105R1\_1

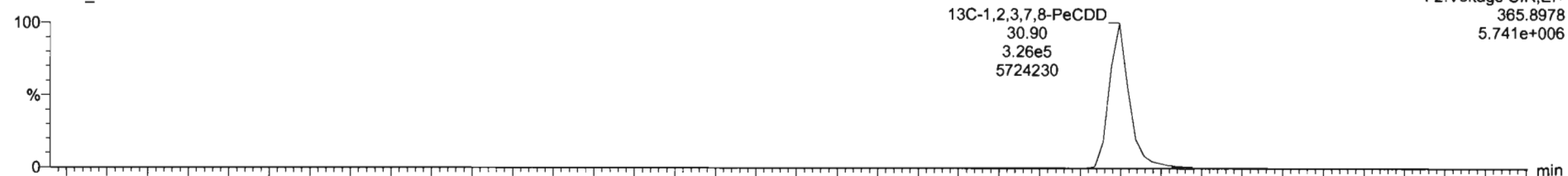


201105R1\_1

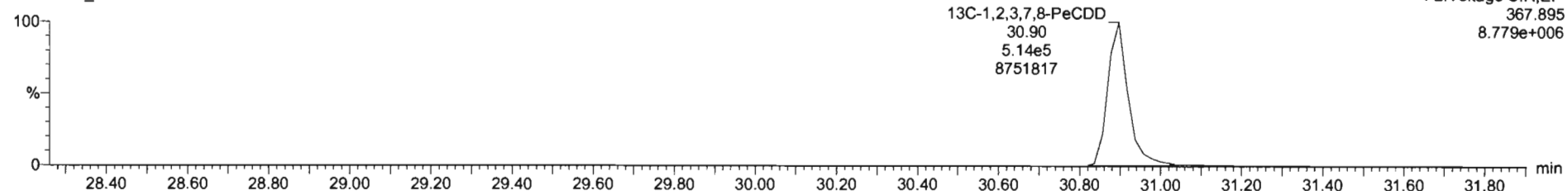


**13C-1,2,3,7,8-PeCDD**

201105R1\_1



201105R1\_1

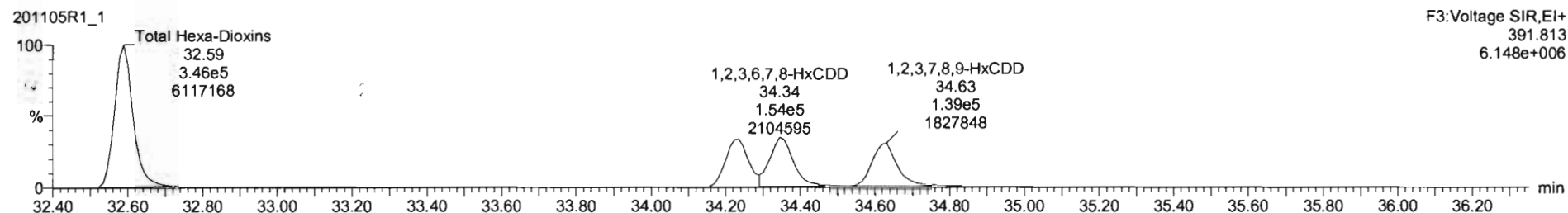
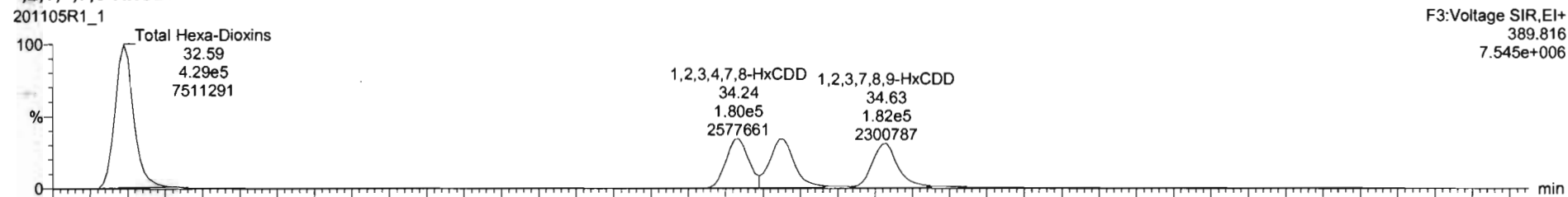


Dataset: U:\VG12.PRO\Results\201105R1\201105R1\_1.qld

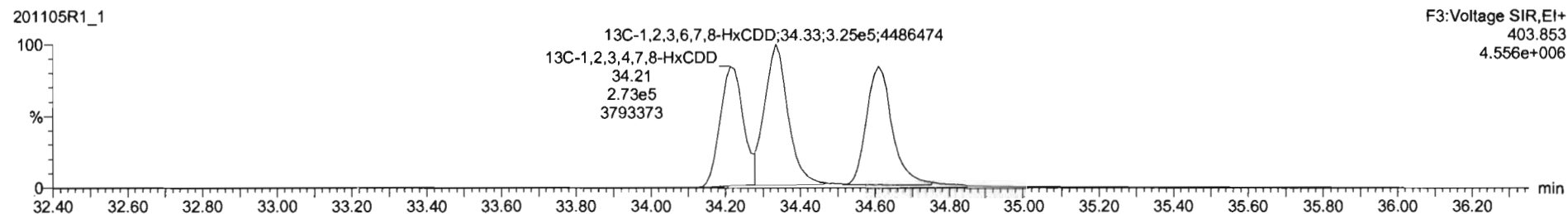
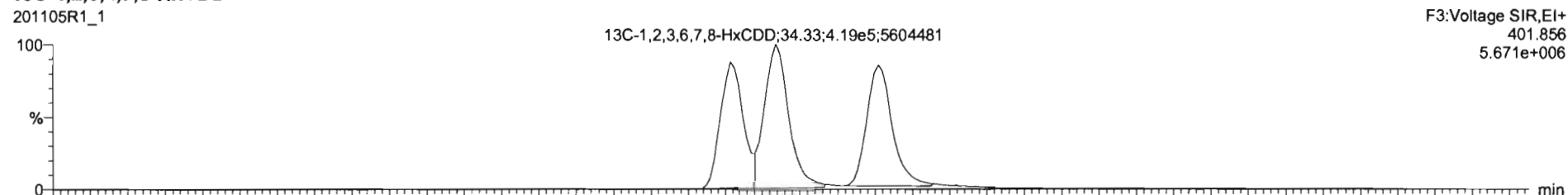
Last Altered: Thursday, November 05, 2020 14:31:38 Pacific Standard Time  
Printed: Thursday, November 05, 2020 14:32:03 Pacific Standard Time

Name: 201105R1\_1, Date: 05-Nov-2020, Time: 11:32:43, ID: ST201105R1\_1 1613 CS3 20F1105, Description: 1613 CS3 20F1105

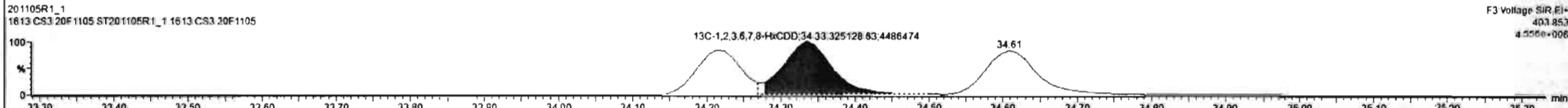
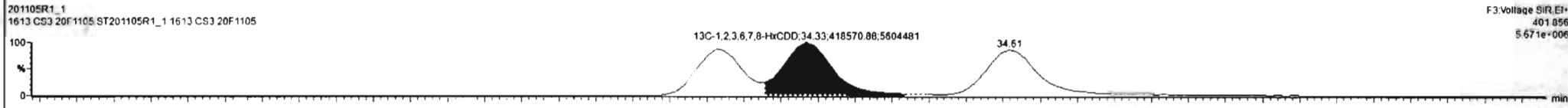
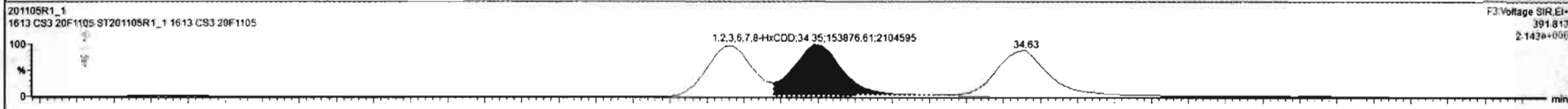
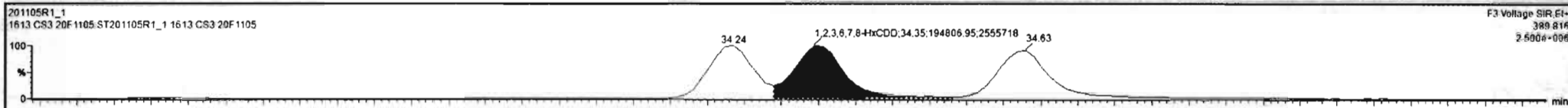
**1,2,3,4,7,8-HxCDD**



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

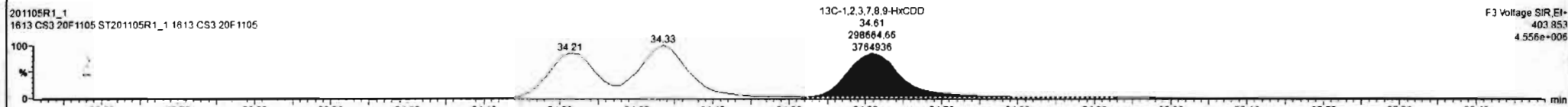
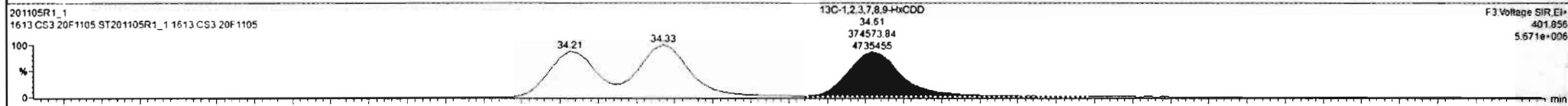
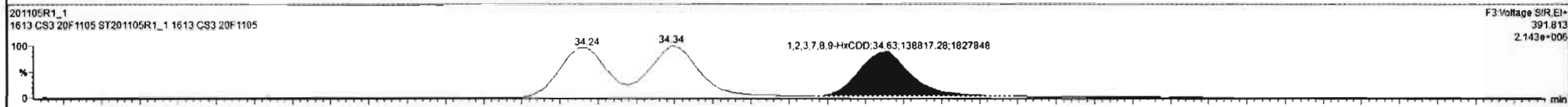
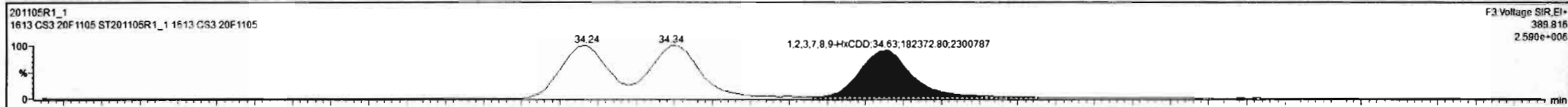


#	Name	Resp	IS Resp	Pred RA	RA	nLy	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	1,2,3,7,8-TCDD	1.17e5	1.17e6	0.77	0.78	NO	0.9501	26.23	26.23	NO	1.001	1.001	10.5	106	NO
2	1,2,3,7,8-PeCDD	3.97e5	8.39e5	0.63	0.62	NO	0.8855	30.91	30.92	NO	1.000	1.001	53.4	107	NO
3	1,2,3,4,7,8-HxCDD	3.23e5	6.23e5	1.24	1.26	NO	1.0178	34.24	34.24	NO	1.001	1.001	50.9	102	NO
4	1,2,3,6,7,8-HxCDD	5.89e5	7.44e5	1.20	1.27	NO	0.9145	34.34	34.35	NO	1.000	1.000	51.3	103	NO
5	1,2,3,7,8,9-HxCDD	3.21e5	6.73e5	1.24	1.31	NO	0.9345	34.62	34.63	NO	1.000	1.001	51.1	102	NO
6	1,2,3,4,6,7,8-HpCDD	2.50e5	5.83e5	1.04	1.01	NO	0.8697	38.10	38.12	NO	1.000	1.000	50.9	102	NO
7	OCDD	4.45e5	9.92e5	0.89	0.88	NO	0.8717	41.06	41.07	NO	1.000	1.000	103	103	NO
8	2,3,7,8-TCDF	1.22e5	1.53e6	0.77	0.75	NO	0.8243	25.53	25.55	NO	1.000	1.001	9.71	97.1	NO
9	1,2,3,7,8-PeCDF	6.27e5	1.27e6	1.56	1.55	NO	0.9626	29.64	29.65	NO	1.000	1.001	51.5	103	NO
10	2,3,4,7,8-PeCDF	8.28e5	1.16e6	1.55	1.58	NO	1.0684	30.89	30.72	NO	1.000	1.001	50.3	101	NO
11	1,2,3,4,7,8-HxCDF	3.72e5	7.87e5	1.24	1.21	NO	0.9535	33.30	33.33	NO	1.000	1.001	49.6	99.2	NO
12	1,2,3,6,7,8-HxCDF	4.23e5	8.37e5	1.24	1.21	NO	1.0080	33.43	33.46	NO	1.000	1.001	50.1	100	NO
13	2,3,4,6,7,8-HxCDF	3.82e5	7.72e5	1.24	1.21	NO	0.9907	34.11	34.13	NO	1.000	1.001	49.9	99.8	NO
14	1,2,3,7,8,9-HxCDF	3.17e5	6.63e5	1.24	1.24	NO	0.9506	35.11	35.12	NO	1.000	1.000	50.3	101	NO
15	1,2,3,4,6,7,8-HpCDF	3.02e5	6.11e5	1.04	1.00	NO	0.9986	36.69	36.71	NO	1.000	1.001	49.5	99.0	NO
16	1,2,3,4,7,8,9-HpCDF	2.51e5	4.57e5	1.04	0.99	NO	1.1238	38.73	38.74	NO	1.000	1.000	49.0	97.9	NO
17	OCDF	4.85e5	1.06e6	0.89	0.87	NO	0.8682	41.37	41.37	NO	1.000	1.000	101	101	NO
18	13C-2,3,7,8-TCDD	1.17e6	1.04e6	0.77	0.79	NO	1.1089	26.19	26.20	NO	1.029	1.030	101	101	NO
19	13C-1,2,3,7,8-PeCDD	8.39e5	1.04e6	0.63	0.63	NO	0.8585	30.82	30.90	NO	1.211	1.214	93.9	93.9	NO
20	13C-1,2,3,4,7,8-HxCDD	6.23e5	8.46e5	1.24	1.28	NO	0.6997	34.20	34.21	NO	1.013	1.014	105	105	NO



201105R1\_1 CAP NUM

#	Name	Resp	S Resp	Pred RA	RA	nly	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	MRc	STD out
1	1,2,3,7,8-TCDD	1.17e5	1.17e6	0.77	0.76	NO	0.9501	26.23	26.23	NO	1.001	1.001	10.6	106	NO
2	1,2,3,7,8-PeCDD	3.97e5	8.39e5	0.63	0.62	NO	0.8855	30.91	30.92	NO	1.000	1.001	53.4	107	NO
3	1,2,3,4,7,8-HxCDD	3.23e5	6.23e5	1.24	1.26	NO	1.0178	34.24	34.24	NO	1.001	1.001	50.9	102	NO
4	1,2,3,6,7,8-HxCDD	3.49e5	7.44e5	1.24	1.27	NO	0.9145	34.34	34.35	NO	1.000	1.000	51.3	103	NO
5	1,2,3,7,8,9-HxCDD	3.21e5	8.73e5	1.24	1.31	NO	0.9345	34.62	34.63	NO	1.000	1.001	51.1	102	NO
6	1,2,3,4,6,7,8-HpCDD	2.50e5	5.63e5	1.04	1.01	NO	0.8697	38.10	38.12	NO	1.000	1.000	50.9	102	NO
7	OCDD	4.45e5	9.92e5	0.89	0.88	NO	0.8717	41.06	41.07	NO	1.000	1.000	103	103	NO
8	2,3,7,8-TCDF	1.22e5	1.53e6	0.77	0.75	NO	0.8243	25.53	25.55	NO	1.000	1.001	9.71	97.1	NO
9	1,2,3,7,8-PeCDF	6.27e5	1.27e6	1.55	1.55	NO	0.9526	29.64	29.65	NO	1.000	1.001	51.5	103	NO
10	2,3,4,7,8-PeCDF	8.26e5	1.16e6	1.55	1.56	NO	1.0684	30.69	30.72	NO	1.000	1.001	50.3	101	NO
11	1,2,3,4,7,8-HxCDF	3.72e5	7.87e5	1.24	1.21	NO	0.9535	33.30	33.33	NO	1.000	1.001	49.6	99.2	NO
12	1,2,3,6,7,8-HxCDF	4.23e5	8.37e5	1.24	1.21	NO	1.0080	33.43	33.46	NO	1.000	1.001	50.1	100	NO
13	2,3,4,6,7,8-HxCDF	3.82e5	7.72e5	1.24	1.21	NO	0.9907	34.11	34.13	NO	1.000	1.001	49.9	99.8	NO
14	1,2,3,7,8,9-HxCDF	3.17e5	6.63e5	1.24	1.24	NO	0.9506	35.11	35.12	NO	1.000	1.000	50.3	101	NO
15	1,2,3,4,6,7,8-HpCDF	3.02e5	8.11e5	1.04	1.00	NO	0.9986	36.69	36.71	NO	1.000	1.001	49.5	99.0	NO
16	1,2,3,4,7,8,9-HpCDF	2.51e5	4.57e5	1.04	0.99	NO	1.1238	38.73	38.74	NO	1.000	1.000	49.0	97.9	NO
17	OCDF	4.65e5	1.06e6	0.89	0.87	NO	0.8682	41.37	41.37	NO	1.000	1.000	101	101	NO
18	13C-2,3,7,8-TCDD	1.17e6	1.04e6	0.77	0.79	NO	1.1089	26.19	26.20	NO	1.023	1.030	101	101	NO
19	13C-1,2,3,7,8-PeCDD	8.39e5	1.04e6	0.63	0.63	NO	0.8585	30.82	30.90	NO	1.211	1.214	93.9	93.9	NO
20	13C-1,2,3,4,7,8-HxCDD	6.23e5	8.46e5	1.24	1.28	NO	0.8997	34.20	34.21	NO	1.013	1.014	105	105	NO



201105R1\_1 CAP NUM

Dataset: U:\VG12.PRO\Results\201105R1\201105R1\_1.qld

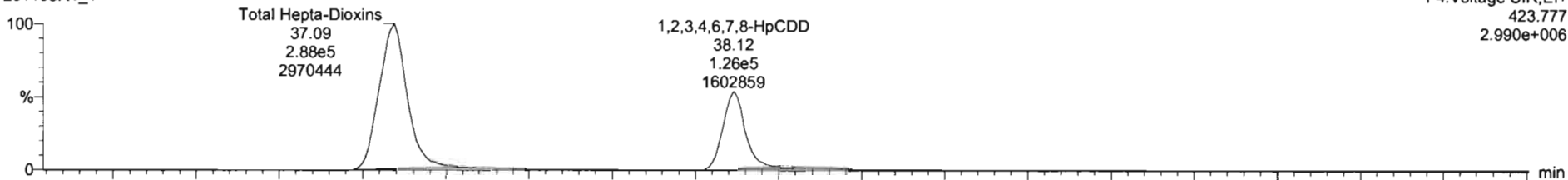
Last Altered: Thursday, November 05, 2020 14:31:38 Pacific Standard Time

Printed: Thursday, November 05, 2020 14:32:03 Pacific Standard Time

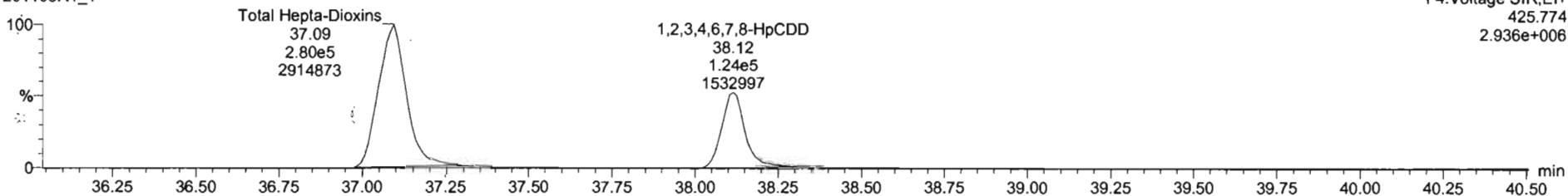
Name: 201105R1\_1, Date: 05-Nov-2020, Time: 11:32:43, ID: ST201105R1\_1 1613 CS3 20F1105, Description: 1613 CS3 20F1105

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

201105R1\_1

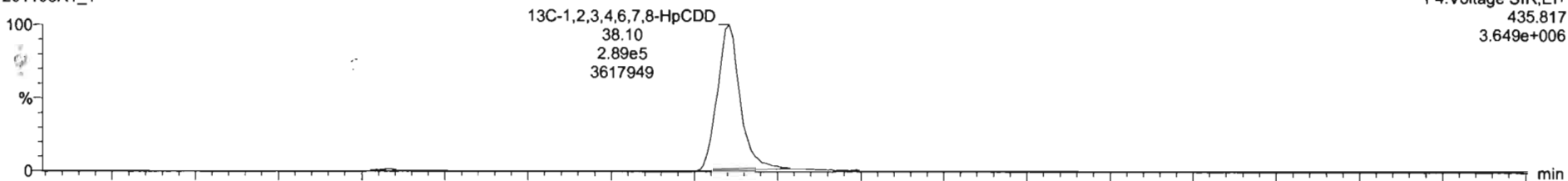


201105R1\_1

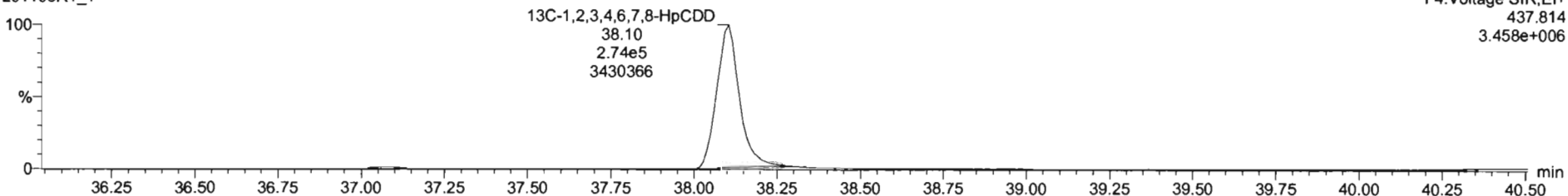


13C-1,2,3,4,6,7,8-HpCDD

201105R1\_1



201105R1\_1



Dataset: U:\VG12.PRO\Results\201105R1\201105R1\_1.qld

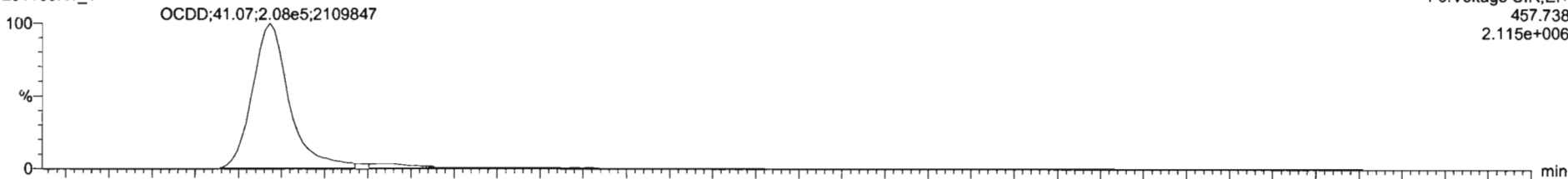
Last Altered: Thursday, November 05, 2020 14:31:38 Pacific Standard Time

Printed: Thursday, November 05, 2020 14:32:03 Pacific Standard Time

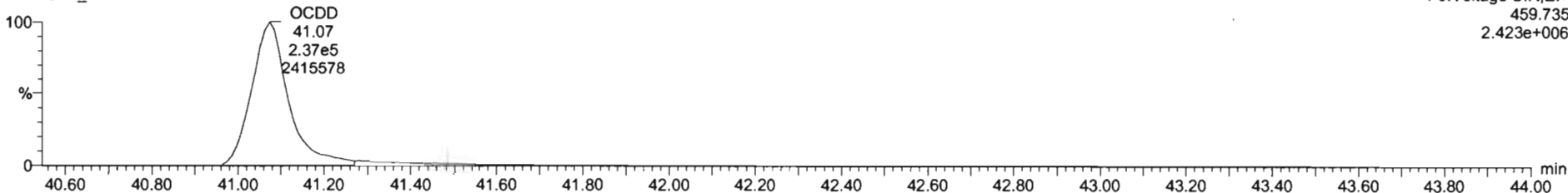
Name: 201105R1\_1, Date: 05-Nov-2020, Time: 11:32:43, ID: ST201105R1\_1 1613 CS3 20F1105, Description: 1613 CS3 20F1105

**OCDD**

201105R1\_1

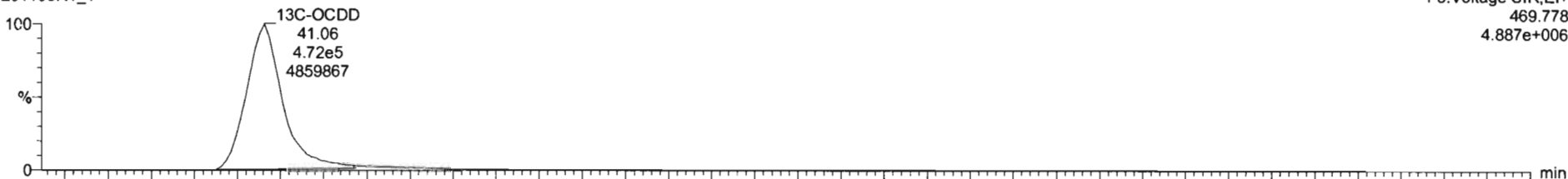


201105R1\_1

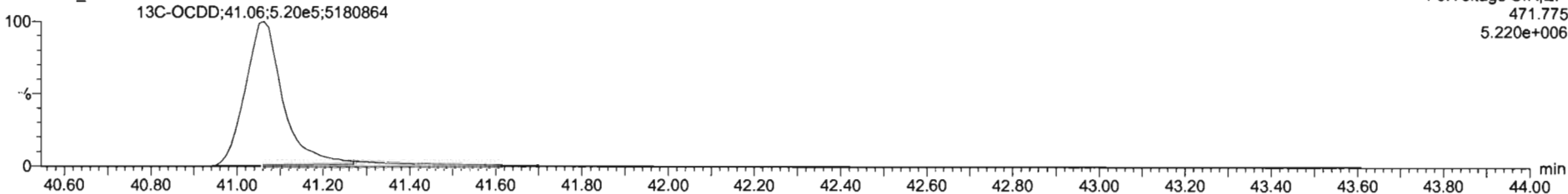


**13C-OCDD**

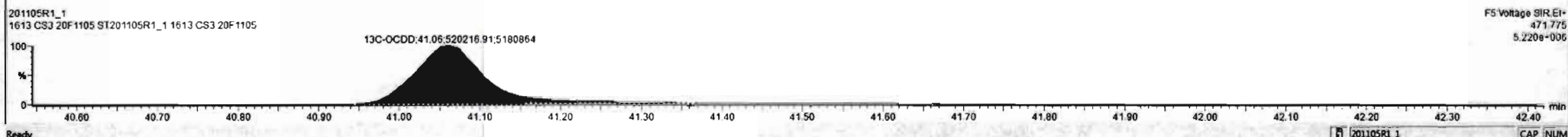
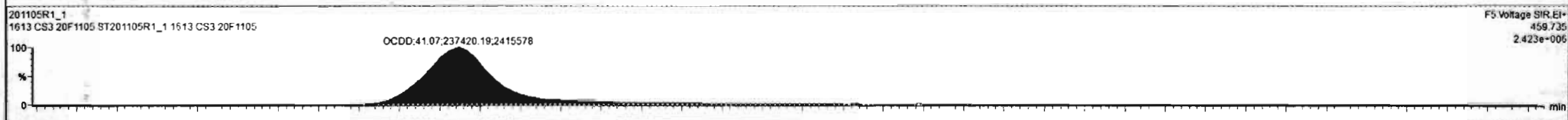
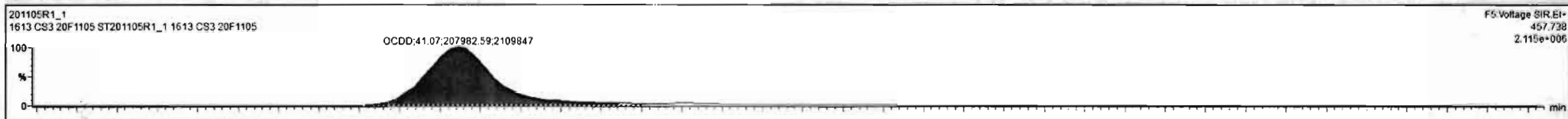
201105R1\_1



201105R1\_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	1.17e5	1.17e6	0.77	0.78	NO	0.9501	26.23	26.23	NO	1.001	1.001	10.6	106	NO
2	1,2,3,7,8-PeCDD	3.97e5	8.39e5	0.63	0.62	NO	0.8855	30.91	30.92	NO	1.000	1.001	53.4	107	NO
3	1,2,3,4,7,8-HxCDD	3.23e5	8.23e5	1.24	1.26	NO	1.0176	34.24	34.24	NO	1.001	1.001	50.9	102	NO
4	1,2,3,6,7,8-HxCDD	3.49e5	7.44e5	1.24	1.27	NO	0.9145	34.34	34.35	NO	1.000	1.000	51.3	103	NO
5	1,2,3,7,8,9-HxCDD	3.21e5	6.73e5	1.24	1.31	NO	0.9345	34.62	34.63	NO	1.000	1.001	51.1	102	NO
6	1,2,3,4,6,7,8-HpCDD	2.50e5	5.63e5	1.04	1.01	NO	0.8697	38.10	38.12	NO	1.000	1.000	50.9	102	NO
7	OCDD	4.45e5	9.92e5	0.88	0.88	NO	0.8717	41.06	41.07	NO	1.000	1.000	103	103	NO
8	2,3,7,8-TCDF	1.22e5	1.53e6	0.77	0.75	NO	0.8243	25.53	25.55	NO	1.000	1.001	97.1	97.1	NO
9	1,2,3,7,8-PeCDF	6.27e5	1.27e6	1.55	1.55	NO	0.9526	29.64	29.65	NO	1.000	1.001	51.5	103	NO
10	2,3,4,7,8-PeCDF	8.26e5	1.18e6	1.55	1.56	NO	1.0684	30.69	30.72	NO	1.000	1.001	50.3	101	NO
11	1,2,3,4,7,8-HxCDF	3.72e5	7.87e5	1.24	1.21	NO	0.9535	33.30	33.33	NO	1.000	1.001	49.6	99.2	NO
12	1,2,3,6,7,8-HxCDF	4.23e5	8.37e5	1.24	1.21	NO	1.0080	33.43	33.46	NO	1.000	1.001	50.1	100	NO
13	2,3,4,6,7,8-HxCDF	3.82e5	7.72e5	1.24	1.21	NO	0.9907	34.11	34.13	NO	1.000	1.001	49.9	99.8	NO
14	1,2,3,7,8,9-HxCDF	3.17e5	6.63e5	1.24	1.24	NO	0.9506	35.11	35.12	NO	1.000	1.000	50.3	101	NO
15	1,2,3,4,6,7,8-HpCDF	3.02e5	6.11e5	1.04	1.00	NO	0.9968	36.69	36.71	NO	1.000	1.001	49.5	99.0	NO
16	1,2,3,4,7,8,9-HpCDF	2.51e5	4.57e5	1.04	0.99	NO	1.1238	38.73	38.74	NO	1.000	1.000	49.0	97.9	NO
17	OCDF	4.65e5	1.06e6	0.89	0.87	NO	0.8852	41.37	41.37	NO	1.000	1.000	101	101	NO
18	13C-2,3,7,8-TCDD	1.17e6	1.04e6	0.77	0.79	NO	1.1089	26.19	26.20	NO	1.029	1.030	101	101	NO

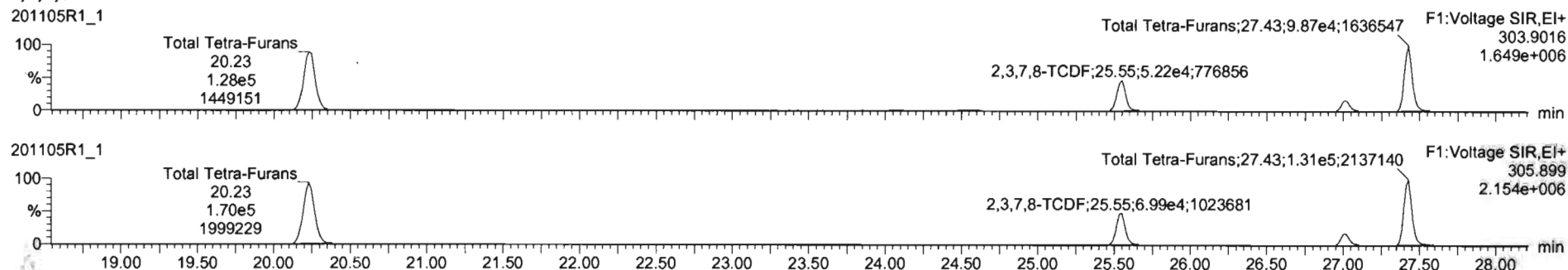


Dataset: U:\VG12.PRO\Results\201105R1\201105R1\_1.qld

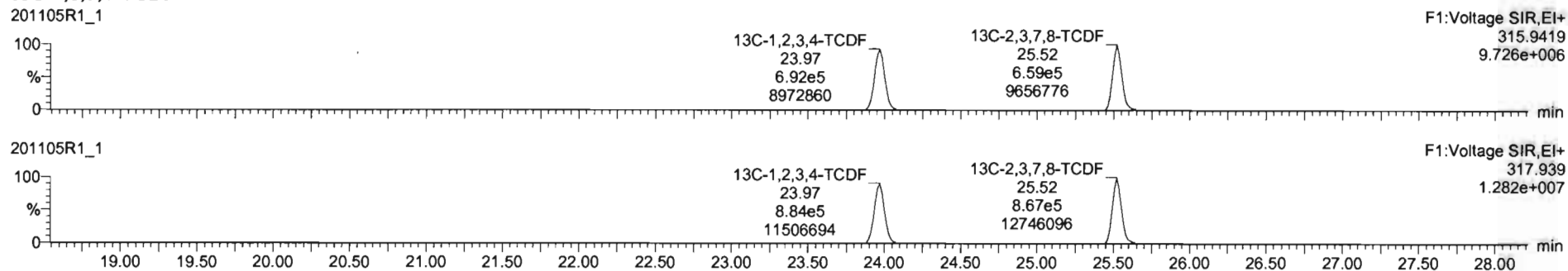
Last Altered: Thursday, November 05, 2020 14:31:38 Pacific Standard Time  
Printed: Thursday, November 05, 2020 14:32:03 Pacific Standard Time

Name: 201105R1\_1, Date: 05-Nov-2020, Time: 11:32:43, ID: ST201105R1\_1 1613 CS3 20F1105, Description: 1613 CS3 20F1105

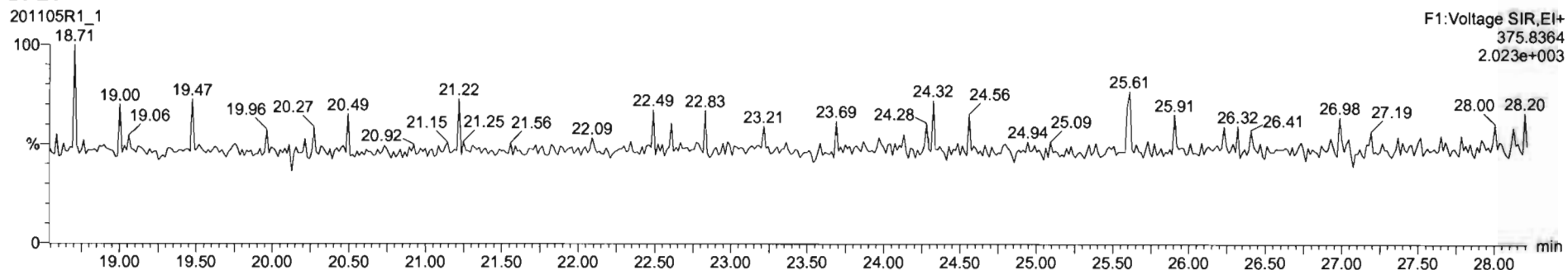
**2,3,7,8-TCDF**



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



**DPE1**





Dataset: U:\VG12.PRO\Results\201105R1\201105R1\_1.qld

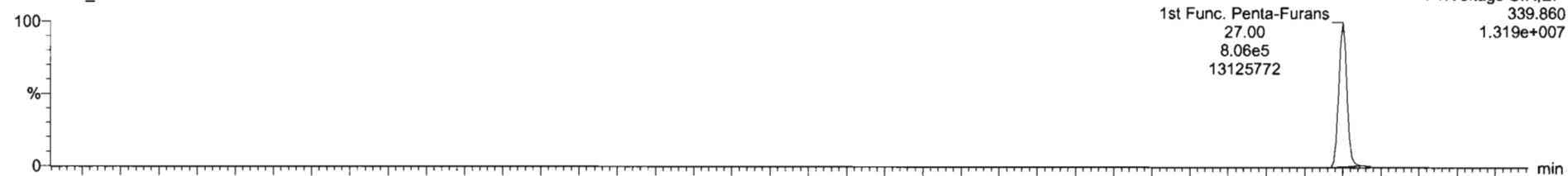
Last Altered: Thursday, November 05, 2020 14:31:38 Pacific Standard Time

Printed: Thursday, November 05, 2020 14:32:03 Pacific Standard Time

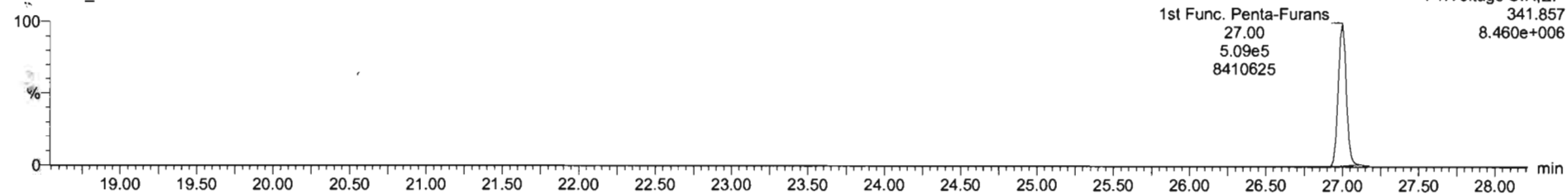
Name: 201105R1\_1, Date: 05-Nov-2020, Time: 11:32:43, ID: ST201105R1\_1 1613 CS3 20F1105, Description: 1613 CS3 20F1105

1st Func. Penta-Furans

201105R1\_1

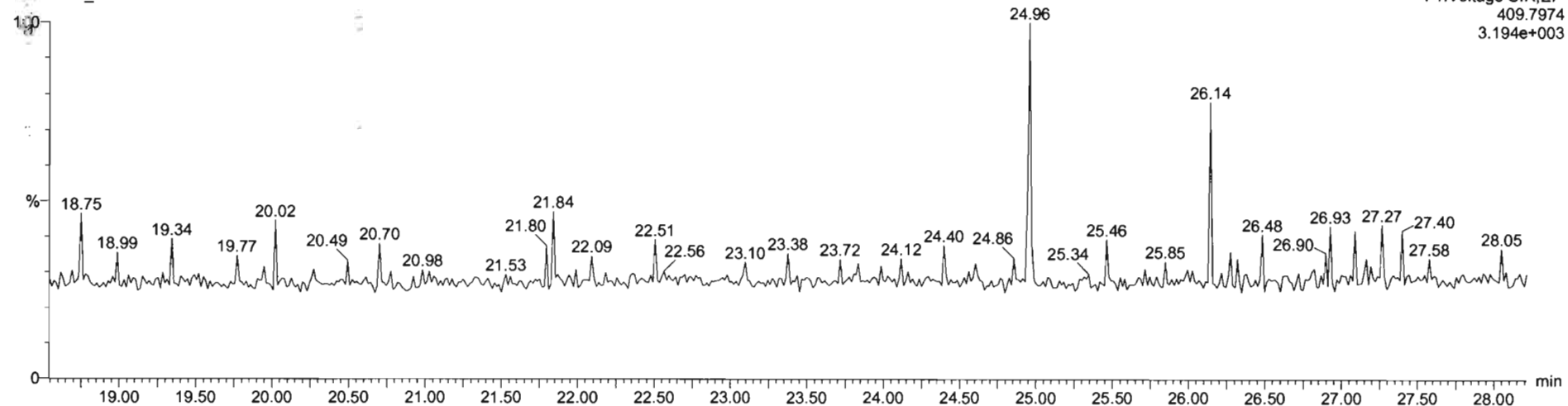


201105R1\_1



DPE6

201105R1\_1



Dataset: U:\VG12.PRO\Results\201105R1\201105R1\_1.qld

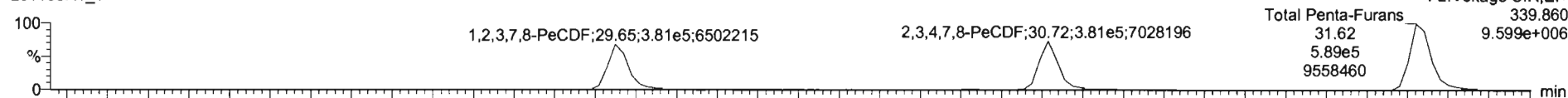
Last Altered: Thursday, November 05, 2020 14:31:38 Pacific Standard Time

Printed: Thursday, November 05, 2020 14:32:03 Pacific Standard Time

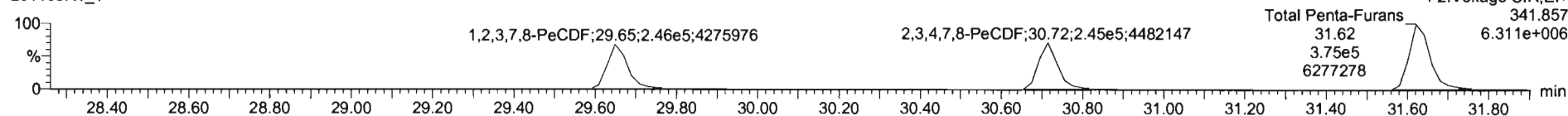
Name: 201105R1\_1, Date: 05-Nov-2020, Time: 11:32:43, ID: ST201105R1\_1 1613 CS3 20F1105, Description: 1613 CS3 20F1105

**1,2,3,7,8-PeCDF**

201105R1\_1

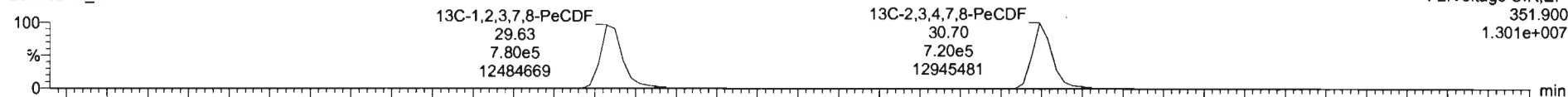


201105R1\_1

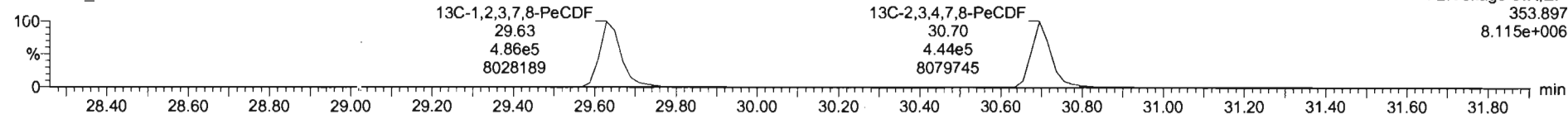


**13C-1,2,3,7,8-PeCDF**

201105R1\_1

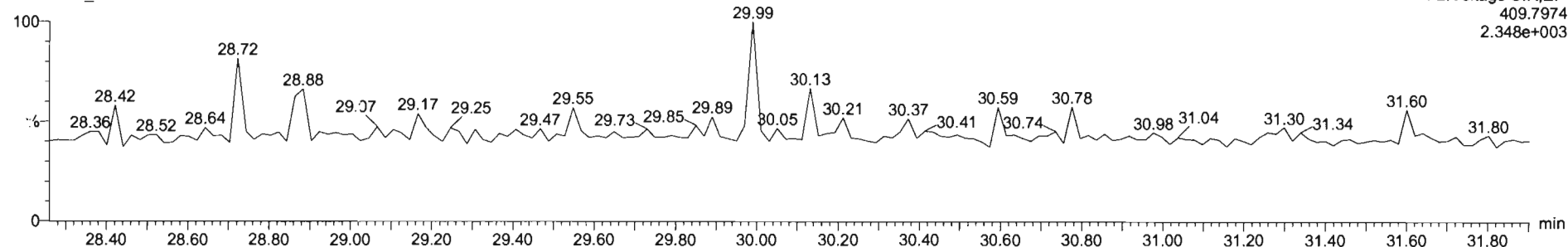


201105R1\_1



**DPE2**

201105R1\_1

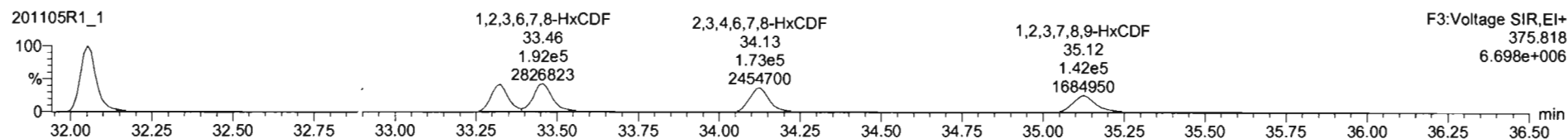
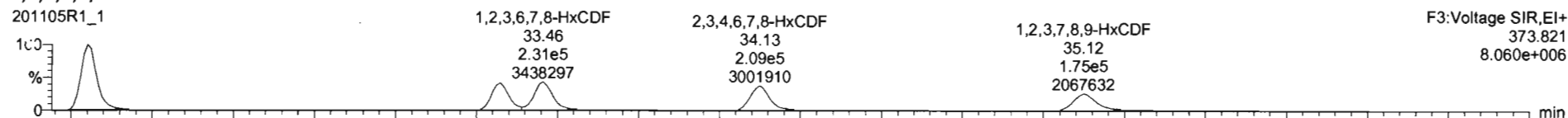


Dataset: U:\VG12.PRO\Results\201105R1\201105R1\_1.qld

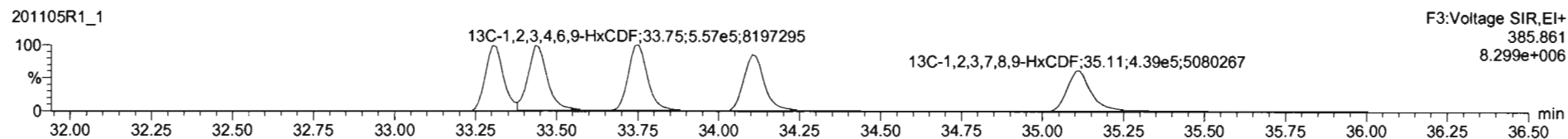
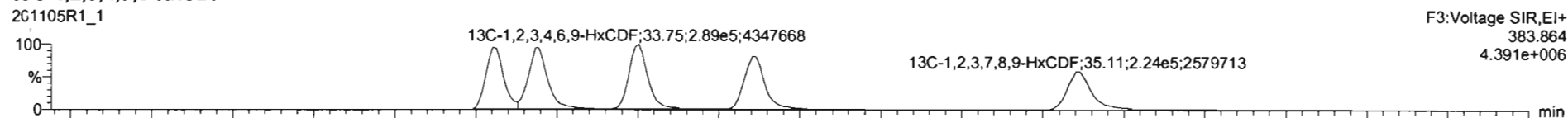
Last Altered: Thursday, November 05, 2020 14:31:38 Pacific Standard Time  
Printed: Thursday, November 05, 2020 14:32:03 Pacific Standard Time

Name: 201105R1\_1, Date: 05-Nov-2020, Time: 11:32:43, ID: ST201105R1\_1 1613 CS3 20F1105, Description: 1613 CS3 20F1105

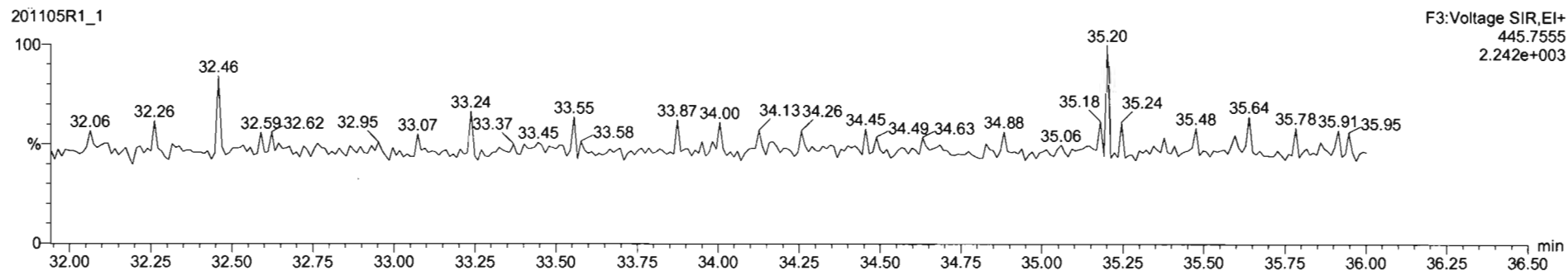
**1,2,3,4,7,8-HxCDF**



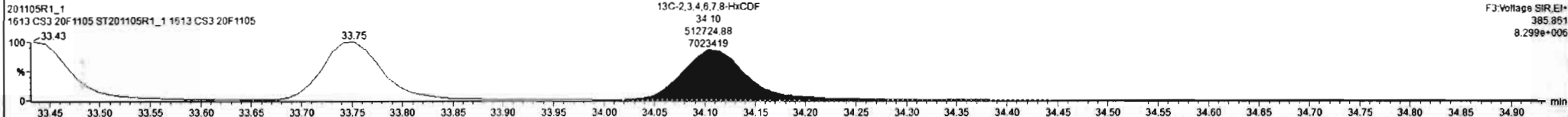
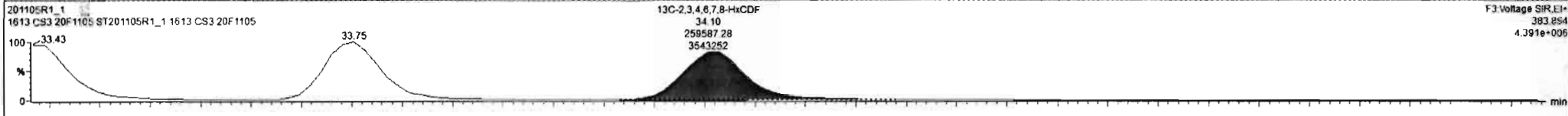
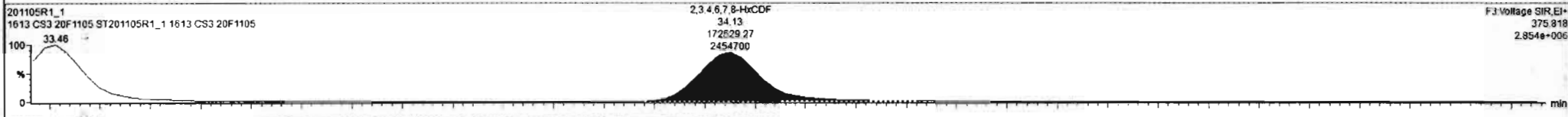
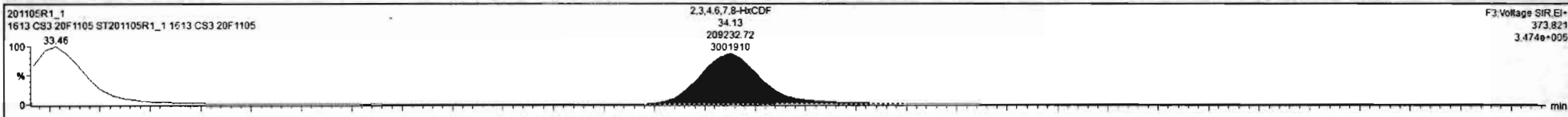
**13C-1,2,3,4,7,8-HxCDF**



**DPE3**

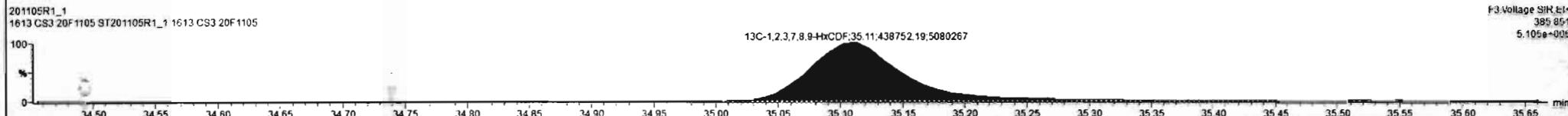
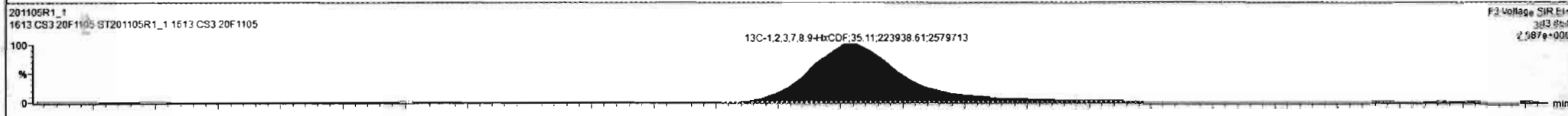
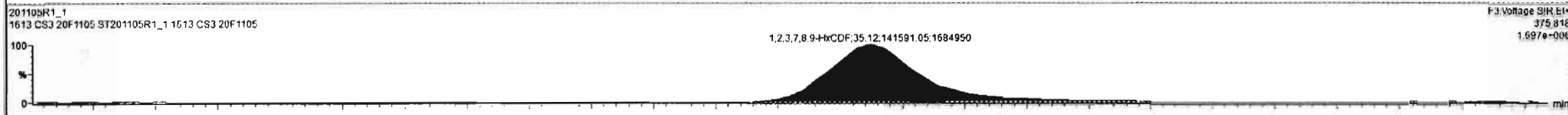
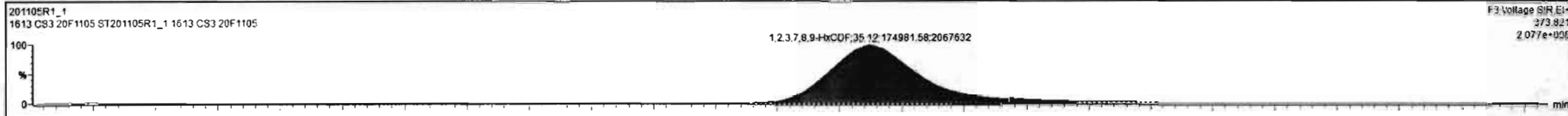


#	Name	Resp	IS Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	2,3,7,8-TCDD	1.17e5	1.17e6	0.77	0.78	NO	0.9501	26.23	26.23	NO	1.001	1.001	10.6	106	NO
2	1,2,3,7,8-PeCDD	3.97e5	8.39e5	0.63	0.62	NO	0.8855	30.91	30.92	NO	1.000	1.001	53.4	107	NO
3	1,2,3,4,7,8-HxCDD	3.23e5	6.23e5	1.24	1.26	NO	1.0178	34.24	34.24	NO	1.001	1.001	50.9	102	NO
4	1,2,3,6,7,8-HxCDD	3.49e5	7.44e5	1.24	1.27	NO	0.9145	34.34	34.35	NO	1.000	1.000	51.3	103	NO
5	1,2,3,7,8,9-HxCDD	3.21e5	6.73e5	1.24	1.31	NO	0.9345	34.62	34.63	NO	1.000	1.001	51.1	102	NO
6	1,2,3,4,6,7,8-HpCDD	2.50e5	5.83e5	1.04	1.01	NO	0.9897	38.10	38.12	NO	1.000	1.000	50.9	102	NO
7	OCDD	4.45e5	9.92e5	0.89	0.88	NO	0.8717	41.06	41.07	NO	1.000	1.000	103	103	NO
8	2,3,7,8-TCDF	1.22e5	1.53e6	0.77	0.75	NO	0.8243	25.53	25.55	NO	1.000	1.001	9.71	97.1	NO
9	1,2,3,7,8-PeCDF	6.27e5	1.27e6	1.55	1.55	NO	0.9626	29.64	29.65	NO	1.000	1.001	51.5	103	NO
10	2,3,4,7,8-HxCDF	6.28e5	1.16e6	1.55	1.56	NO	1.0884	30.69	30.72	NO	1.000	1.001	50.3	101	NO
11	1,2,3,4,7,8-HxCDF	3.72e5	7.87e5	1.24	1.21	NO	0.9535	33.30	33.33	NO	1.000	1.001	49.6	99.2	NO
12	1,2,3,6,7,8-HxCDF	4.23e5	8.37e5	1.24	1.21	NO	1.0080	33.43	33.46	NO	1.000	1.001	50.1	100	NO
13	2,3,4,6,7,8-HxCDF	3.82e5	7.72e5	1.24	1.21	NO	0.9907	34.11	34.13	NO	1.000	1.001	49.9	99.8	NO
14	1,2,3,7,8,9-HxCDF	3.17e5	6.63e5	1.24	1.24	NO	0.9506	35.11	35.12	NO	1.000	1.000	50.3	101	NO
15	1,2,3,4,6,7,8-HpCDF	3.02e5	6.11e5	1.04	1.00	NO	0.9986	36.69	36.71	NO	1.000	1.001	49.5	99.0	NO
16	1,2,3,4,7,8,9-HpCDF	2.51e5	4.57e5	1.04	0.99	NO	1.1238	38.73	38.74	NO	1.000	1.000	49.0	97.9	NO
17	OCDF	4.65e5	1.06e6	0.89	0.87	NO	0.8682	41.37	41.37	NO	1.000	1.000	101	101	NO
18	13C-2,3,7,8-TCDD	1.17e6	1.04e6	0.77	0.79	NO	1.1089	26.19	26.20	NO	1.029	1.030	101	101	NO



Reach 201105R1\_1 CAP NUM

#	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	1.17e5	1.17e6	0.77	0.76	NO	0.9501	26.23	26.23	NO	1.001	1.001	10.6	106	NO
2	1,2,3,7,8-PeCDD	3.97e5	8.39e5	0.63	0.62	NO	0.8855	30.91	30.92	NO	1.000	1.001	53.4	107	NO
3	1,2,3,4,7,8-HxCDD	3.23e5	6.23e5	1.24	1.26	NO	1.0178	34.24	34.24	NO	1.001	1.001	50.9	102	NO
4	1,2,3,6,7,8-HxCDD	3.49e5	7.44e5	1.24	1.27	NO	0.9145	34.34	34.35	NO	1.000	1.000	51.3	103	NO
5	1,2,3,7,8,9-HxCDD	3.21e5	6.73e5	1.24	1.31	NO	0.9345	34.62	34.63	NO	1.000	1.001	51.1	102	NO
6	1,2,3,4,6,7,8-HpCDD	2.50e5	5.63e5	1.04	1.01	NO	0.8697	38.10	38.12	NO	1.000	1.000	50.9	102	NO
7	OCDD	4.45e5	9.92e5	0.89	0.88	NO	0.8717	41.06	41.07	NO	1.000	1.000	103	103	NO
8	2,3,7,8-TCDF	1.22e5	1.53e6	0.77	0.75	NO	0.8243	25.53	25.55	NO	1.000	1.001	97.1	97.1	NO
9	1,2,3,7,8-PeCDF	6.27e5	1.27e6	1.55	1.55	NO	0.9626	29.64	29.65	NO	1.000	1.001	51.5	103	NO
10	1,2,3,4,7,8-PeCDF	8.26e5	1.16e6	1.55	1.58	NO	1.0684	30.69	30.72	NO	1.000	1.001	50.3	101	NO
11	1,2,3,4,7,8-HxCDF	3.72e5	7.67e5	1.24	1.21	NO	0.9535	33.30	33.33	NO	1.000	1.001	49.6	99.2	NO
12	1,2,3,6,7,8-HxCDF	4.23e5	8.37e5	1.24	1.21	NO	1.0080	33.43	33.46	NO	1.000	1.001	50.1	100	NO
13	1,2,3,4,6,7,8-HpCDF	3.82e5	7.72e5	1.24	1.21	NO	0.9907	34.11	34.13	NO	1.000	1.001	49.9	99.8	NO
14	1,2,3,7,8,9-HxCDF	3.17e5	6.63e5	1.24	1.26	NO	0.9506	35.11	35.12	NO	1.000	1.000	50.3	101	NO
15	1,2,3,4,6,7,8-HpCDF	3.02e5	6.11e5	1.04	1.00	NO	0.9986	36.69	36.71	NO	1.000	1.001	49.5	99.0	NO
16	1,2,3,4,7,8,9-HpCDF	2.51e5	4.57e5	1.04	0.99	NO	1.1238	38.73	38.74	NO	1.000	1.000	49.0	97.9	NO
17	OCDF	4.85e5	1.06e6	0.89	0.87	NO	0.8682	41.37	41.37	NO	1.000	1.000	101	101	NO
18	1,2,3,7,8-TCDF	1.17e6	1.04e6	0.77	0.79	NO	1.1069	26.19	26.20	NO	1.029	1.030	101	101	NO



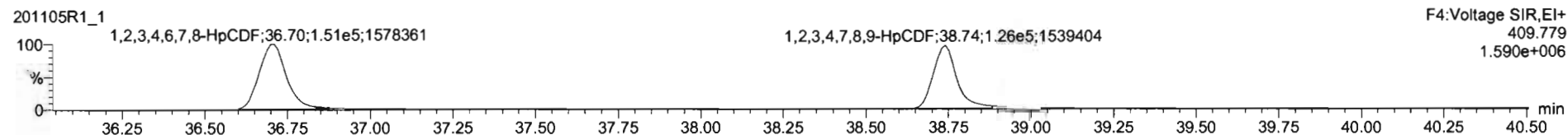
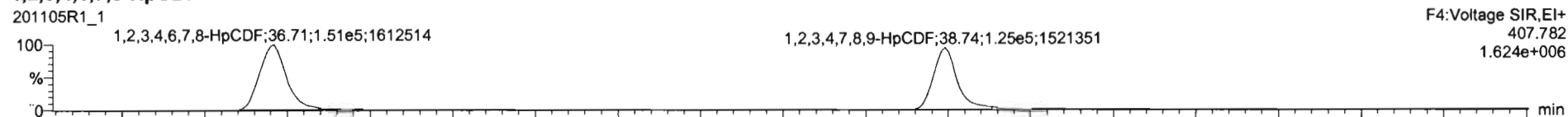
201105R1\_1 CAP NUM

Dataset: U:\VG12.PRO\Results\201105R1\201105R1\_1.qld

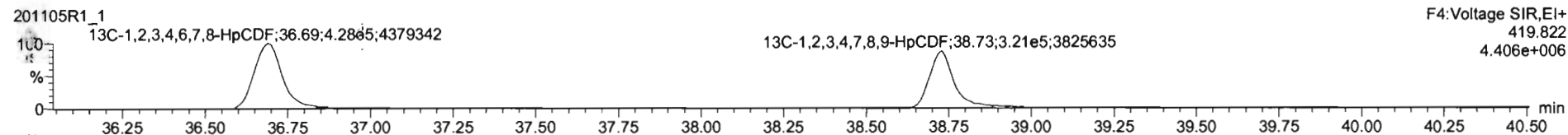
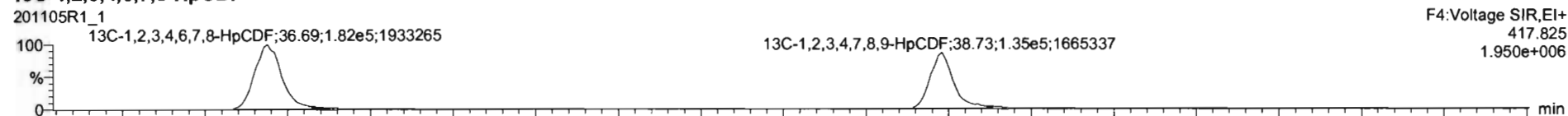
Last Altered: Thursday, November 05, 2020 14:31:38 Pacific Standard Time  
Printed: Thursday, November 05, 2020 14:32:03 Pacific Standard Time

Name: 201105R1\_1, Date: 05-Nov-2020, Time: 11:32:43, ID: ST201105R1\_1 1613 CS3 20F1105, Description: 1613 CS3 20F1105

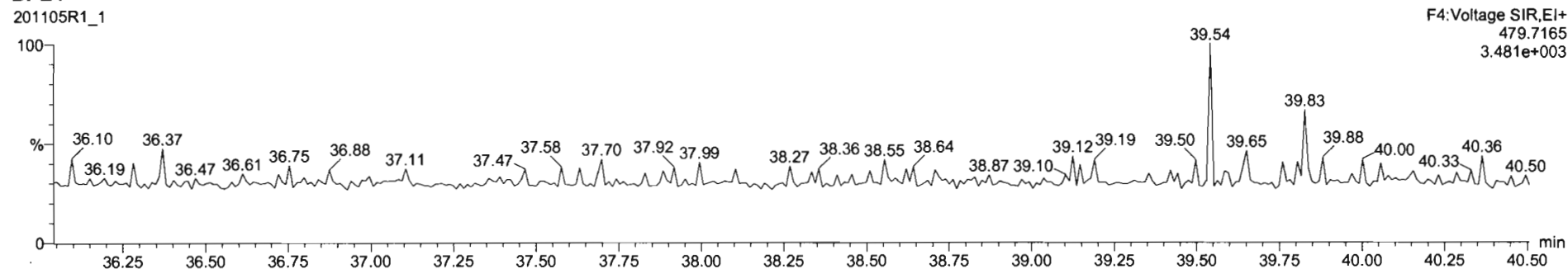
**1,2,3,4,6,7,8-HpCDF**



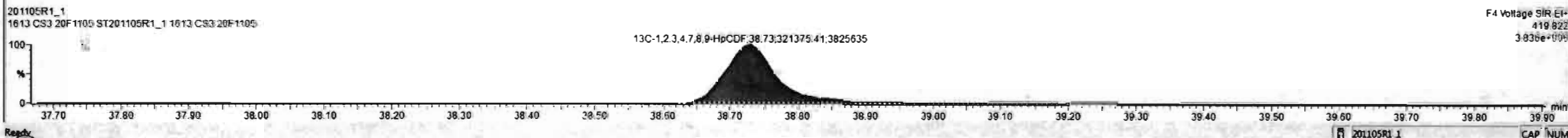
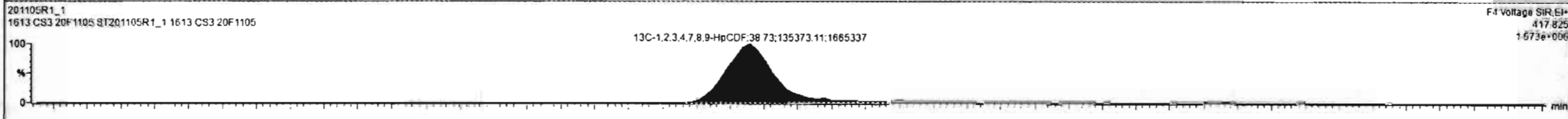
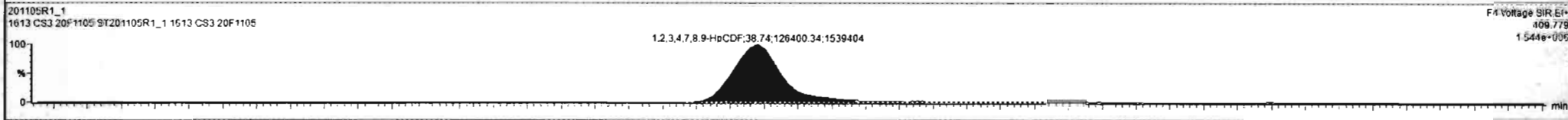
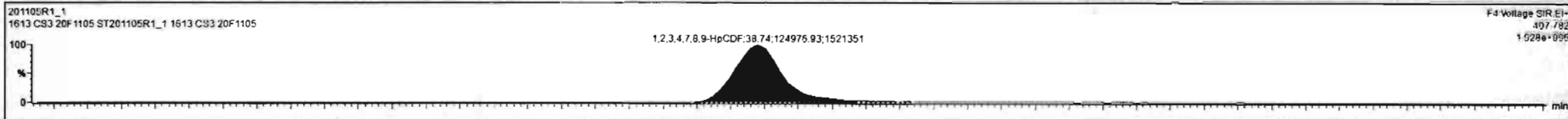
**13C-1,2,3,4,6,7,8-HpCDF**



**DPE4**



#	Name	Reep	IS Reap	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	1.17e5	1.17e6	0.77	0.76	NO	0.9501	26.23	26.23	NO	1.001	1.001	10.6	106	NO
2	1,2,3,7,8-PeCDD	3.97e5	8.39e5	0.63	0.62	NO	0.8855	30.91	30.92	NO	1.000	1.001	53.4	107	NO
3	1,2,3,4,7,8-HxCDD	3.23e5	6.23e5	1.24	1.26	NO	1.0178	34.24	34.24	NO	1.001	1.001	50.9	102	NO
4	1,2,3,6,7,8-HxCDD	3.49e5	7.44e5	1.24	1.27	NO	0.9145	34.34	34.35	NO	1.000	1.000	51.3	103	NO
5	1,2,3,7,8,9-HxCDD	3.21e5	6.73e5	1.24	1.31	NO	0.9345	34.62	34.63	NO	1.000	1.001	51.1	102	NO
6	1,2,3,4,6,7,8-HpCDD	2.50e5	5.83e5	1.04	1.01	NO	0.8697	38.10	38.12	NO	1.000	1.000	50.9	102	NO
7	OCDD	4.45e5	9.92e5	0.89	0.88	NO	0.8717	41.06	41.07	NO	1.000	1.000	103	103	NO
8	1,2,3,8-TCDF	1.22e5	1.53e6	0.77	0.75	NO	0.8243	25.53	25.55	NO	1.000	1.001	9.71	97.1	NO
9	1,2,3,7,8-PeCDF	6.27e5	1.27e6	1.55	1.55	NO	0.9626	29.64	29.65	NO	1.000	1.001	51.5	103	NO
10	2,3,4,7,8-PeCDF	8.26e5	1.16e6	1.55	1.56	NO	1.0884	30.59	30.72	NO	1.000	1.001	50.3	101	NO
11	1,2,3,4,7,8-HxCDF	3.72e5	7.87e5	1.24	1.21	NO	0.9535	33.30	33.33	NO	1.000	1.001	49.6	99.2	NO
12	1,2,3,6,7,8-HxCDF	4.23e5	8.37e5	1.24	1.21	NO	1.0080	33.43	33.46	NO	1.000	1.001	50.1	100	NO
13	2,3,4,6,7,8-HxCDF	3.82e5	7.72e5	1.24	1.21	NO	0.9907	34.11	34.13	NO	1.000	1.001	49.9	99.8	NO
14	1,2,3,4,6,7,8-HpCDF	3.17e5	6.63e5	1.24	1.24	NO	0.9506	35.11	35.12	NO	1.000	1.000	50.3	101	NO
15	1,2,3,4,6,7,8-HpCDF	3.02e5	6.11e5	1.04	1.00	NO	0.9986	36.69	36.71	NO	1.000	1.001	49.5	99.0	NO
16	1,2,3,4,7,8,9-HpCDF	2.51e5	4.57e5	1.00	0.99	NO	1.1238	38.73	38.74	NO	1.000	1.000	49.0	97.9	NO
17	OCDF	4.65e5	1.06e6	0.89	0.87	NO	0.8682	41.37	41.37	NO	1.000	1.000	101	101	NO
18	13C-2,3,7,8-TCDD	1.17e6	1.04e6	0.77	0.79	NO	1.1089	26.19	26.20	NO	1.029	1.030	101	101	NO

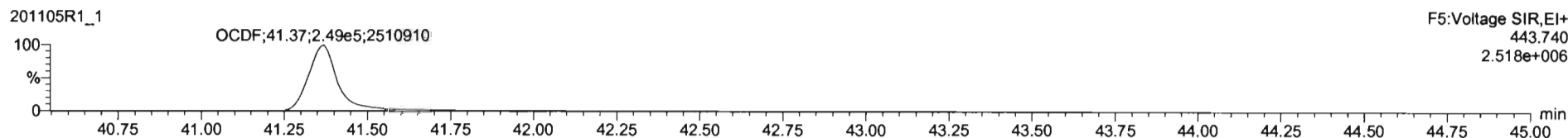
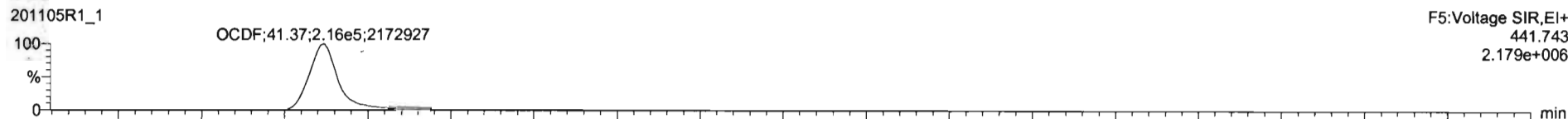


Dataset: U:\VG12.PRO\Results\201105R1\201105R1\_1.qld

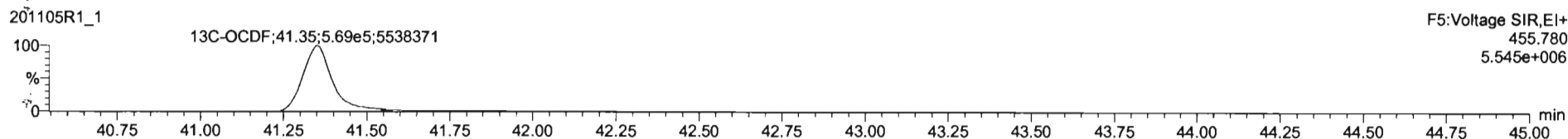
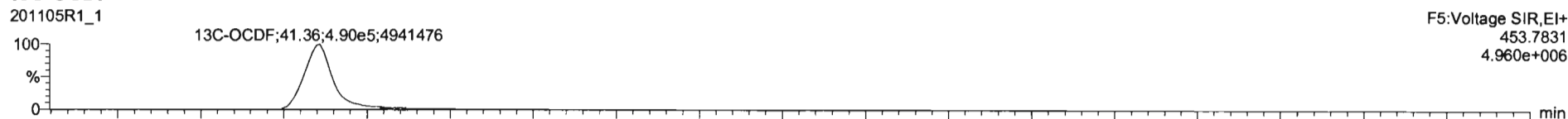
Last Altered: Thursday, November 05, 2020 14:31:38 Pacific Standard Time  
Printed: Thursday, November 05, 2020 14:32:03 Pacific Standard Time

Name: 201105R1\_1, Date: 05-Nov-2020, Time: 11:32:43, ID: ST201105R1\_1 1613 CS3 20F1105, Description: 1613 CS3 20F1105

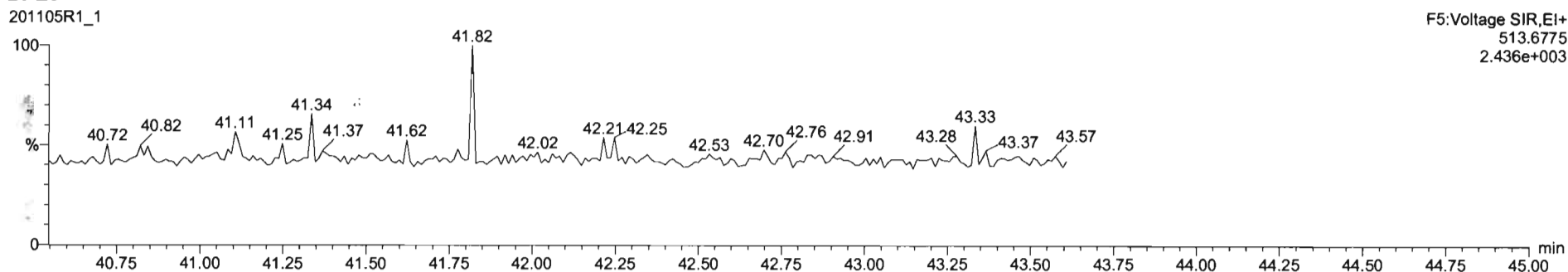
**OCDF**



**13C-OCDF**



**DPE5**

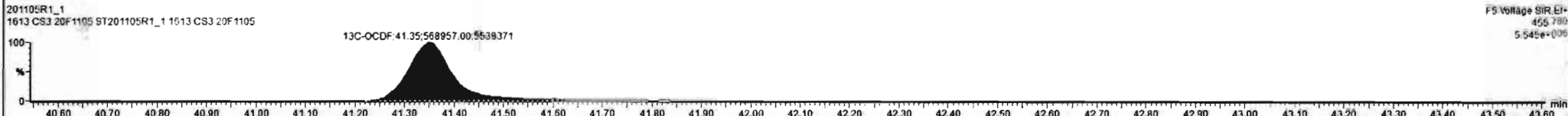
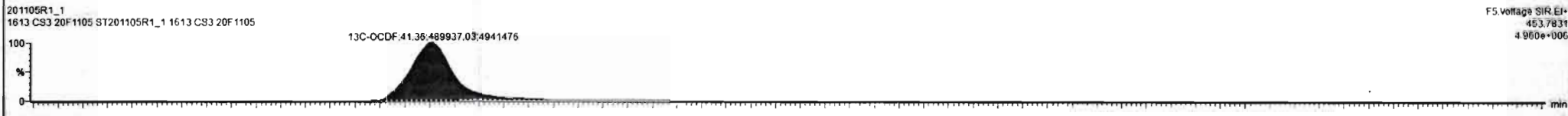
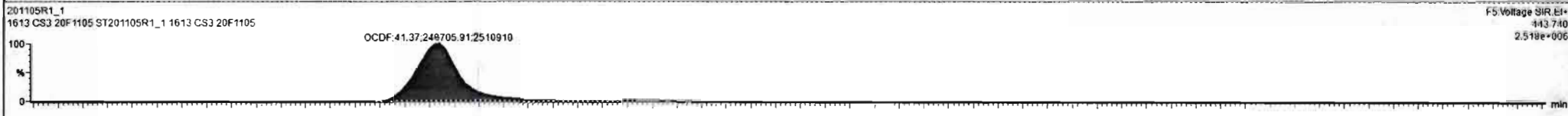
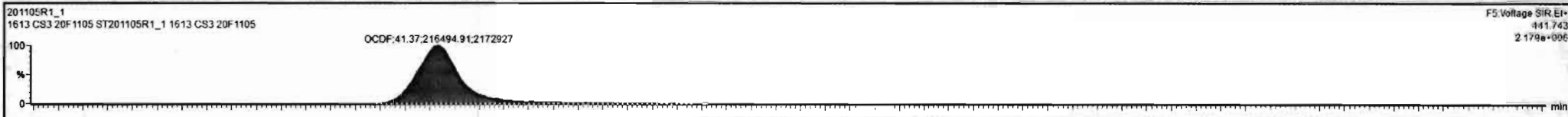




TargetLynx - 201105R1\_1.q17 - Chromatogram

201105R1\_1\_ ST201105R1\_1 1613 CS3 20F 1105 1613 CS3 20F 1105

#	Name	Resp	St Resp	Pred RA	RA	rtly	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc.	%Rep	STD out
1	2,3,7,8-TCDD	1.17e5	1.17e6	0.77	0.76	NO	0.9501	26.23	26.23	NO	1.001	1.001	10.6	106	NO
2	1,2,3,7,8-PeCDD	3.97e5	8.39e5	0.63	0.62	NO	0.8855	30.91	30.92	NO	1.000	1.001	53.4	107	NO
3	1,2,3,4,7,8-HxCDD	3.23e5	6.23e5	1.24	1.26	NO	1.0178	34.24	34.24	NO	1.001	1.001	50.9	102	NO
4	1,2,3,6,7,8-HxCDD	3.49e5	7.44e5	1.24	1.27	NO	0.9145	34.34	34.35	NO	1.000	1.000	51.3	103	NO
5	1,2,3,7,8,9-HxCDD	3.21e5	6.73e5	1.24	1.31	NO	0.9345	34.62	34.63	NO	1.000	1.001	51.1	102	NO
6	1,2,3,4,6,7,8-HpCDD	2.50e5	5.63e5	1.04	1.01	NO	0.8697	38.10	38.12	NO	1.000	1.000	50.9	102	NO
7	OCDF	4.45e5	9.92e5	0.89	0.88	NO	0.8717	41.06	41.07	NO	1.000	1.000	103	103	NO
8	2,3,7,8-TCDF	1.22e5	1.53e6	0.77	0.75	NO	0.8243	25.53	25.55	NO	1.000	1.001	9.71	97.1	NO
9	1,2,3,7,8-PeCDF	6.27e5	1.27e6	1.55	1.55	NO	0.9625	29.64	29.65	NO	1.000	1.001	51.5	103	NO
10	1,2,3,4,7,8-PeCDF	8.26e5	1.16e6	1.55	1.56	NO	1.0684	30.69	30.72	NO	1.000	1.001	50.3	101	NO
11	1,2,3,4,7,8-HxCDF	3.72e5	7.87e5	1.24	1.21	NO	0.9535	33.30	33.33	NO	1.000	1.001	49.6	99.2	NO
12	1,2,3,6,7,8-HxCDF	4.23e5	8.37e5	1.24	1.21	NO	1.0080	33.43	33.46	NO	1.000	1.001	50.1	100	NO
13	1,2,3,4,6,7,8-HxCDF	3.82e5	7.72e5	1.24	1.21	NO	0.9907	34.11	34.13	NO	1.000	1.001	49.9	99.8	NO
14	1,2,3,7,8,9-HxCDF	3.17e5	6.63e5	1.24	1.24	NO	0.9506	35.11	35.12	NO	1.000	1.000	50.3	101	NO
15	1,2,3,4,6,7,8-HpCDF	3.02e5	6.11e5	1.04	1.00	NO	0.9986	36.69	36.71	NO	1.000	1.001	49.5	99.0	NO
16	1,2,3,4,7,8,9-HpCDF	2.51e5	4.57e5	1.04	0.99	NO	1.1238	38.73	38.74	NO	1.000	1.000	49.0	97.9	NO
17	OCDF	4.85e5	1.06e6	0.88	0.87	NO	0.9682	41.37	41.37	NO	1.000	1.000	101	101	NO
18	13C-2,3,7,8-TCDD	1.17e6	1.04e6	0.77	0.79	NO	1.1089	26.19	26.20	NO	1.029	1.030	101	101	NO



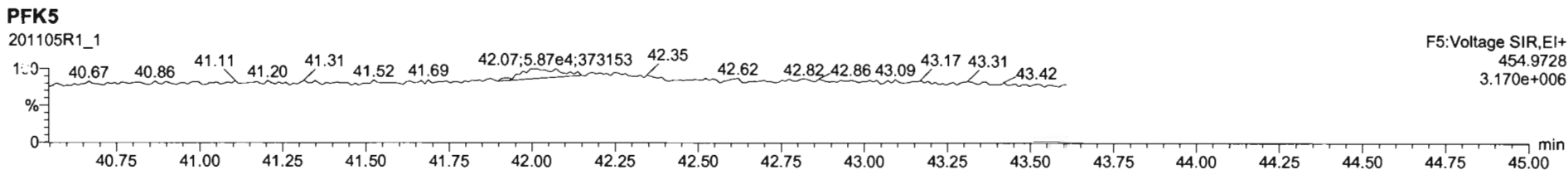
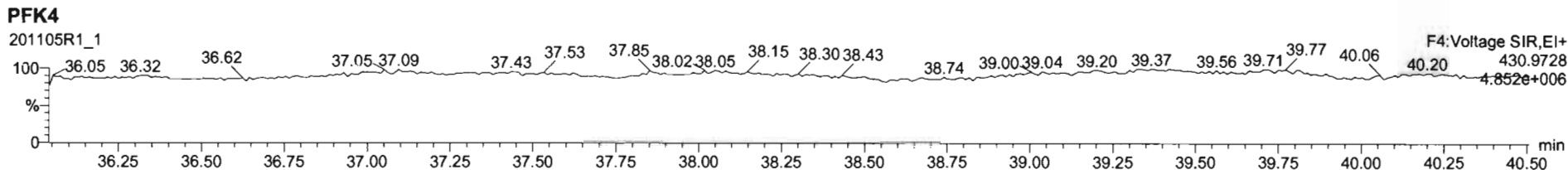
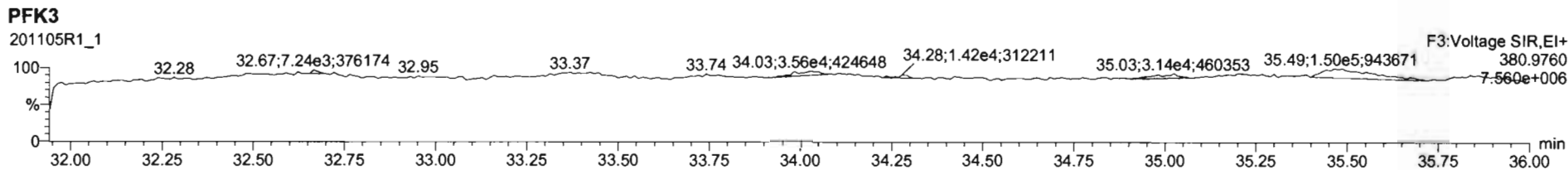
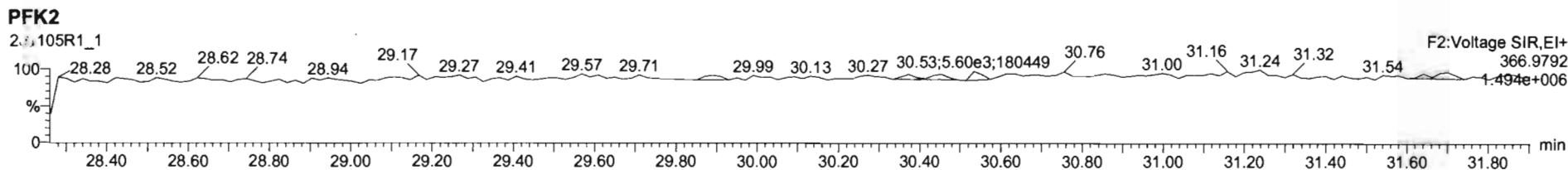
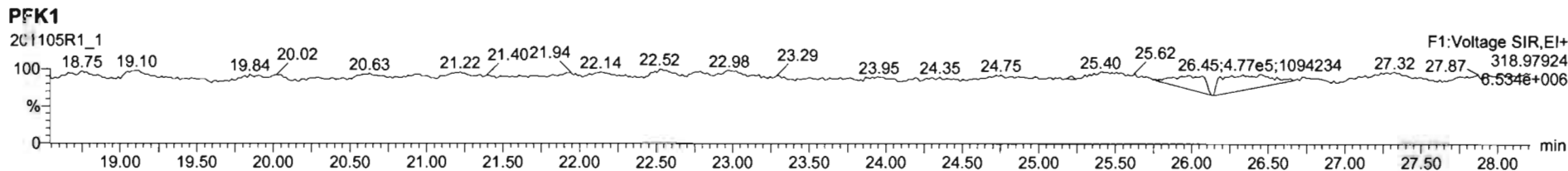
201105R1\_1 CAP NUM

Dataset: U:\VG12.PRO\Results\201105R1\201105R1\_1.qld

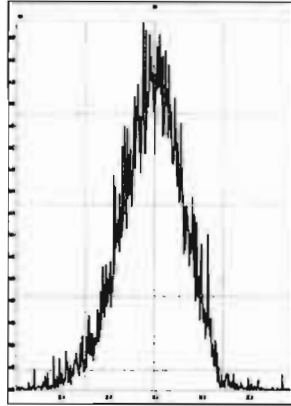
Last Altered: Thursday, November 05, 2020 14:31:38 Pacific Standard Time

Printed: Thursday, November 05, 2020 14:32:03 Pacific Standard Time

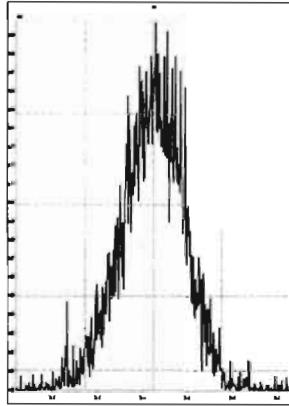
Name: 201105R1\_1, Date: 05-Nov-2020, Time: 11:32:43, ID: ST201105R1\_1 1613 CS3 20F1105, Description: 1613 CS3 20F1105



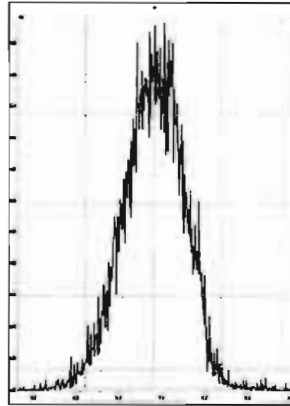
M 292.9824 R 10188



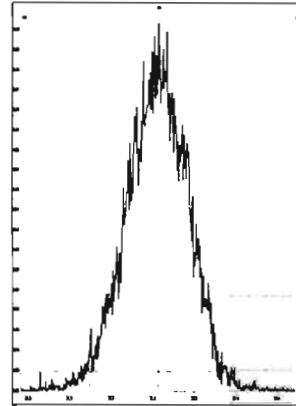
M 304.9824 R 10941



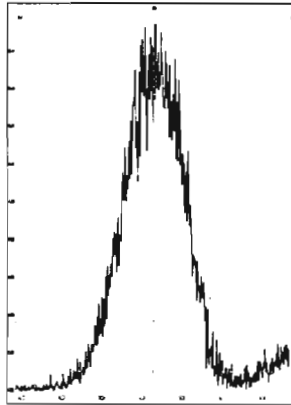
M 318.9792 R 10413



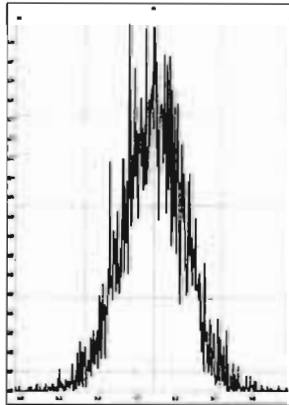
M 330.9792 R 10693



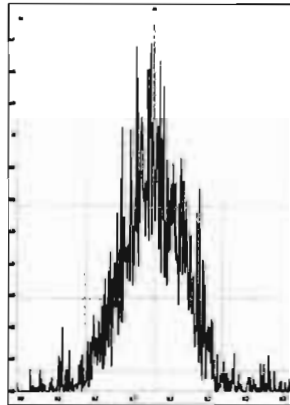
M 342.9792 R 10730



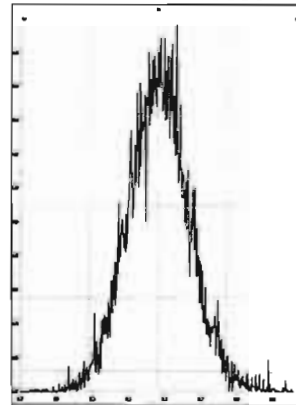
M 354.9792 R 11215



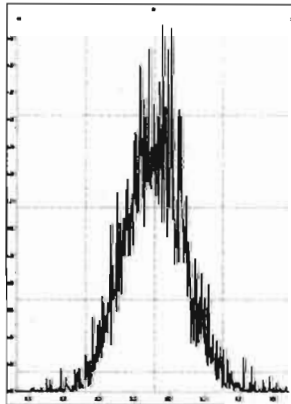
M 366.9792 R 12317



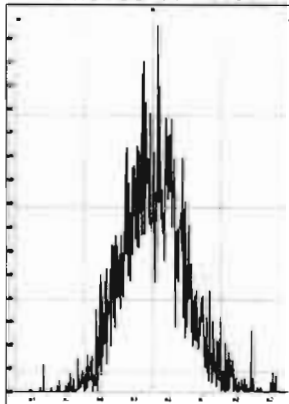
M 380.9760 R 10336



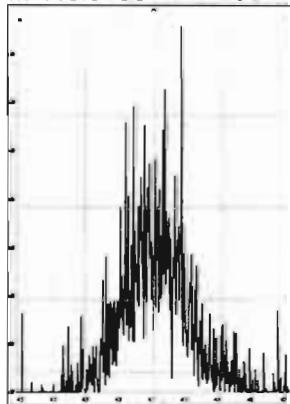
M 392.9760 R 11347



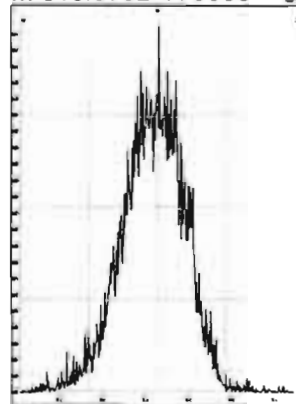
M 404.9760 R 12132



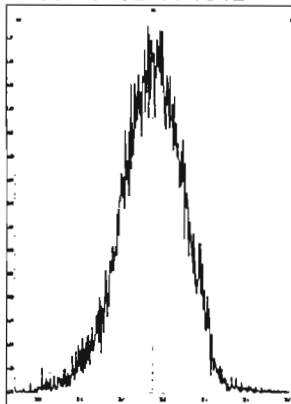
M 416.9760 R 14699



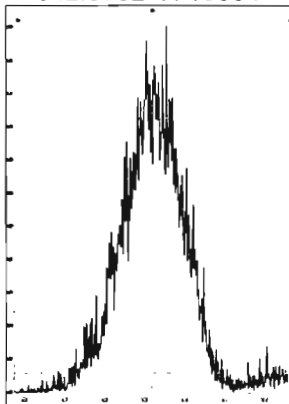
M 318.9792 R 9965



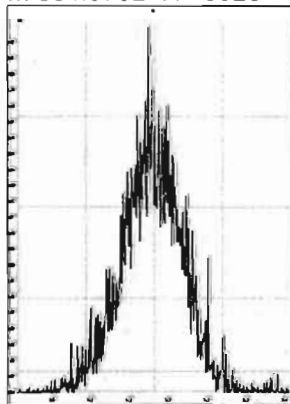
M 330.9792 R 10121



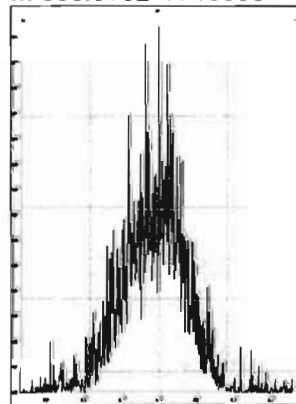
M 342.9792 R 10334



M 354.9792 R 10526

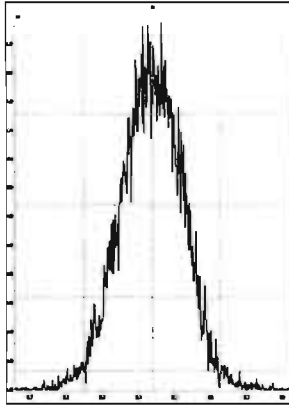


M 366.9792 R 10968

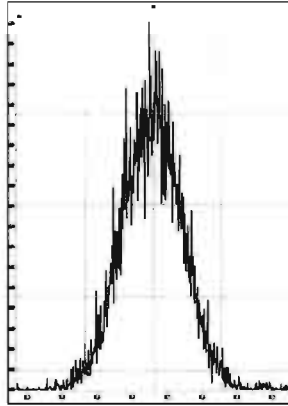


Printed: Thursday, November 05, 2020 23:52:39 Pacific Standard Time

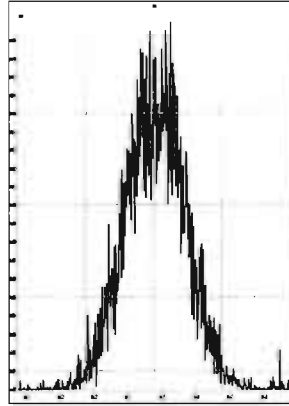
M 380.9760 R 10352



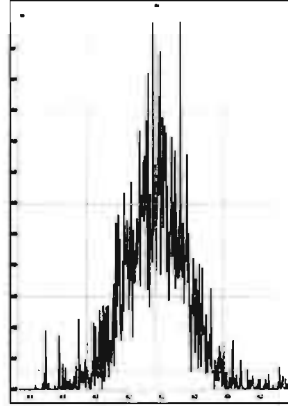
M 392.9760 R 10854



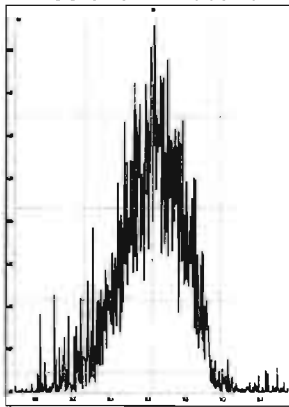
M 404.9760 R 11536



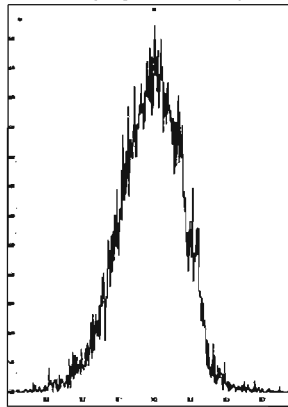
M 416.9760 R 11938



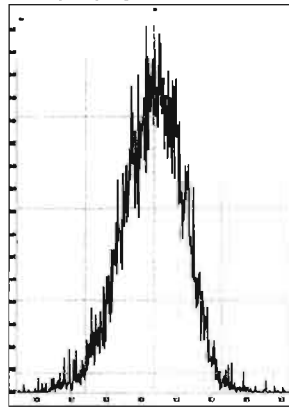
M 366.9792 R 11905



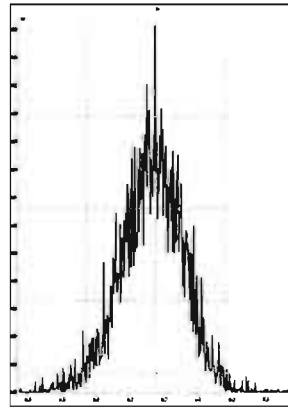
M 380.9760 R 10251



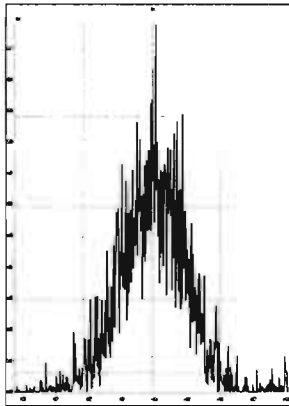
M 392.9760 R 10872



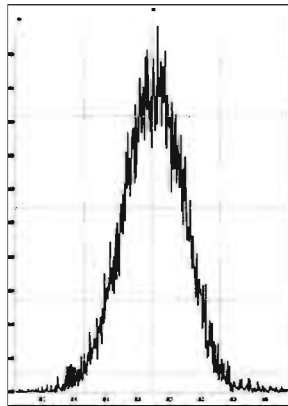
M 404.9760 R 11023



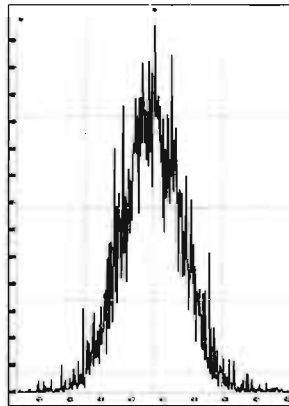
M 416.9760 R 12695



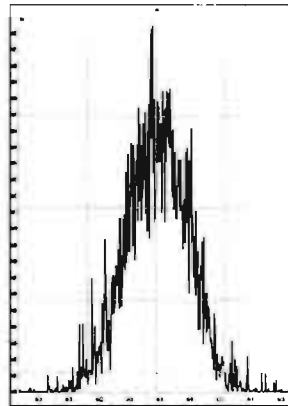
M 430.9728 R 10071



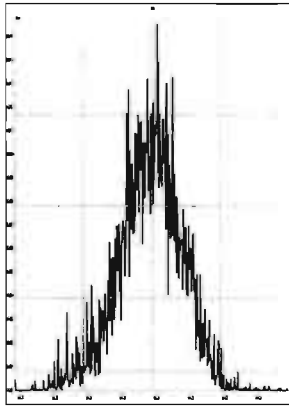
M 442.9728 R 10869



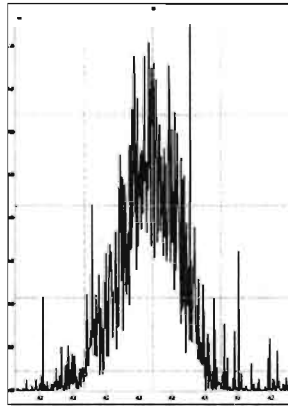
M 454.9728 R 11313



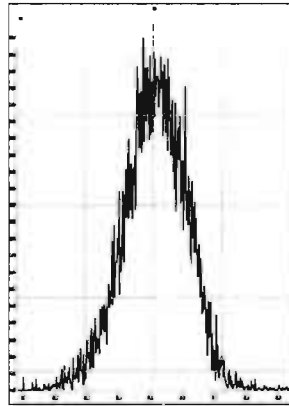
M 404.9760 R 11198



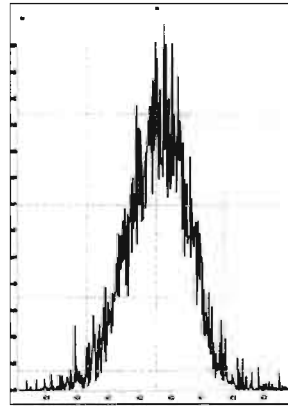
M 416.9760 R 13368



M 430.9728 R 10441

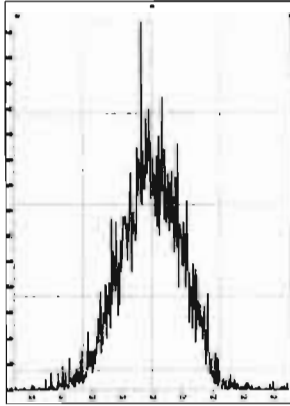


M 442.9728 R 11210

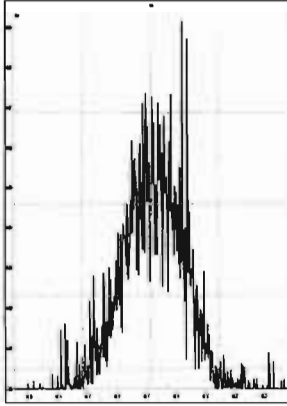


Printed: Thursday, November 05, 2020 23:52:39 Pacific Standard Time

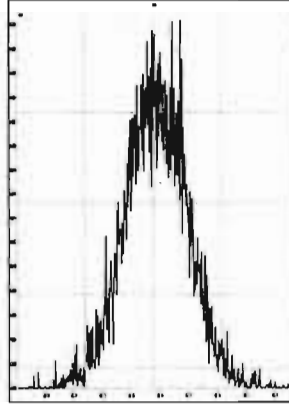
M 454.9728 R 10975



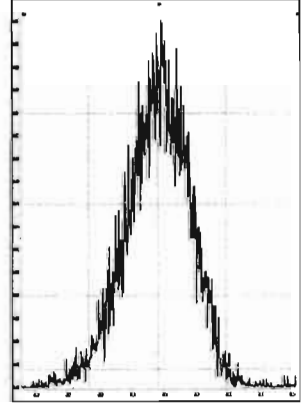
M 466.9728 R 12085



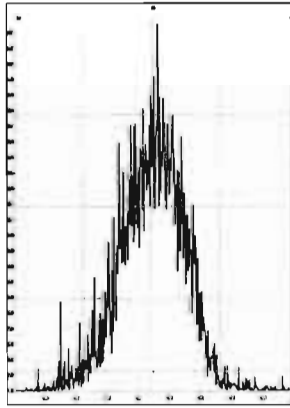
M 480.9696 R 10478



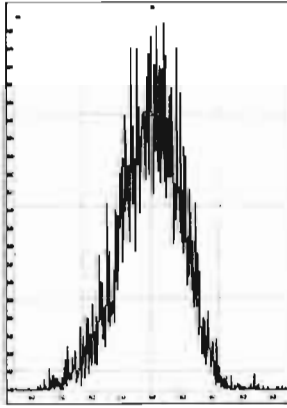
M 430.9728 R 10832



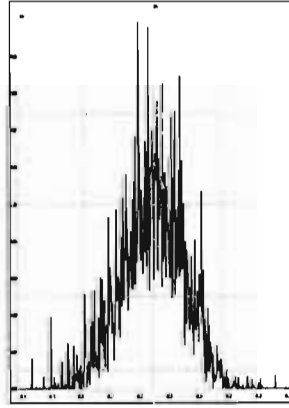
M 442.9728 R 10707



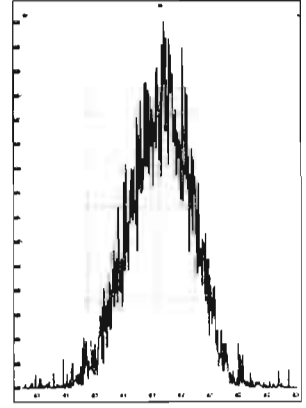
M 454.9728 R 10483



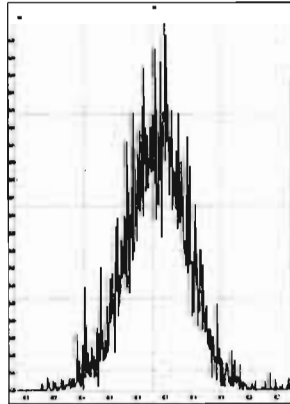
M 466.9728 R 12073



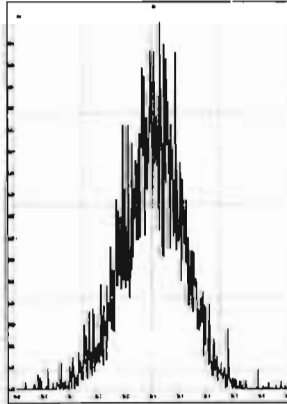
M 480.9696 R 10849



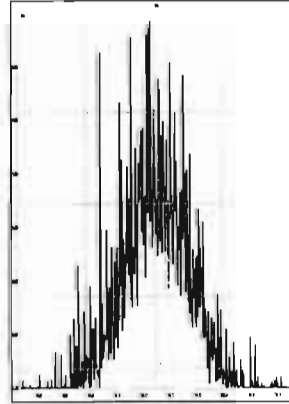
M 492.9696 R 11455



M 504.9696 R 11574



M 516.9697 R 13033



**HRMS CALIBRATION STANDARDS REVIEW CHECKLIST**

**Beg. Calibration ID:** ST20110821-1

**Reviewed By:** HN 11/10/2020

*Initials & Date*

**End Calibration ID:** NA

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

**Mass resolution ≥**

5k    6-8K    8K    10K

1614   1699   429   1613/1668/8280

**Intergrated peaks display correctly?**             NA

**GC Break <20%**       NA

**8280 CS1 End Standard:**

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

**Comments:**

Ⓜ INST. PAUSED @ INJECTION 11, END RES CHECK PROCESSED. MANUALLY THE NEXT MORNING WITH NO CHANGES MADE TO TUNING.

Dataset: U:\VG12.PRO\Results\201108R1\201108R1-1.qld

Last Altered: Monday, November 09, 2020 07:26:33 Pacific Standard Time

Printed: Monday, November 09, 2020 07:27:43 Pacific Standard Time

*GPO* 11/10/2020 *FIN* 11/10/2020

Method: U:\VG12.PRO\MethDB\1613rrt-10-20-20.mdb 04 Nov 2020 10:00:50

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-10-20-20.cdb 20 Oct 2020 13:36:10

Name: 201108R1\_1, Date: 08-Nov-2020, Time: 09:10:06, ID: ST201108R1\_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	7.54e4	7.53e5	0.78	NO	0.950	26.23	26.23	NO	1.001	1.001	10.537	105	NO
2	2 1,2,3,7,8-PeCDD	2.19e5	4.38e5	0.62	NO	0.885	30.91	30.92	NO	1.000	1.001	56.295	113	NO
3	3 1,2,3,4,7,8-HxCDD	1.87e5	3.57e5	1.25	NO	1.02	34.25	34.24	NO	1.001	1.000	51.664	103	NO
4	4 1,2,3,6,7,8-HxCDD	2.06e5	4.32e5	1.23	NO	0.915	34.34	34.36	NO	1.000	1.001	52.089	104	NO
5	5 1,2,3,7,8,9-HxCDD	1.92e5	3.85e5	1.22	NO	0.934	34.63	34.63	NO	1.000	1.000	53.454	107	NO
6	6 1,2,3,4,6,7,8-HpCDD	1.40e5	3.18e5	1.02	NO	0.870	38.09	38.10	NO	1.000	1.000	50.655	101	NO
7	7 OCDD	2.25e5	4.94e5	0.87	NO	0.872	41.04	41.05	NO	1.000	1.000	104.44	104	NO
8	8 2,3,7,8-TCDF	7.24e4	9.17e5	0.73	NO	0.824	25.53	25.54	NO	1.000	1.001	9.5763	95.8	NO
9	9 1,2,3,7,8-PeCDF	3.48e5	6.82e5	1.59	NO	0.963	29.66	29.65	NO	1.000	1.000	52.974	106	NO
10	10 2,3,4,7,8-PeCDF	3.62e5	6.53e5	1.55	NO	1.07	30.69	30.72	NO	1.000	1.001	51.906	104	NO
11	11 1,2,3,4,7,8-HxCDF	2.18e5	4.69e5	1.19	NO	0.953	33.30	33.32	NO	1.000	1.001	48.775	97.6	NO
12	12 1,2,3,6,7,8-HxCDF	2.45e5	4.96e5	1.20	NO	1.01	33.44	33.46	NO	1.000	1.000	48.921	97.8	NO
13	13 2,3,4,6,7,8-HxCDF	2.23e5	4.57e5	1.22	NO	0.991	34.12	34.13	NO	1.000	1.000	49.315	98.6	NO
14	14 1,2,3,7,8,9-HxCDF	1.81e5	3.91e5	1.21	NO	0.951	35.11	35.12	NO	1.000	1.000	48.656	97.3	NO
15	15 1,2,3,4,6,7,8-HpCDF	1.73e5	3.42e5	1.02	NO	0.999	36.69	36.70	NO	1.000	1.000	50.646	101	NO
16	16 1,2,3,4,7,8,9-HpCDF	1.36e5	2.51e5	1.02	NO	1.12	38.72	38.72	NO	1.000	1.000	48.469	96.9	NO
17	17 OCDF	2.48e5	5.65e5	0.86	NO	0.868	41.34	41.34	NO	1.000	1.000	100.91	101	NO
18	18 13C-2,3,7,8-TCDD	7.53e5	5.89e5	0.80	NO	1.11	26.19	26.20	NO	1.029	1.030	115.24	115	NO
19	19 13C-1,2,3,7,8-PeCDD	4.38e5	5.89e5	0.63	NO	0.859	30.82	30.90	NO	1.211	1.214	86.888	86.7	NO
20	20 13C-1,2,3,4,7,8-HxCDD	3.57e5	4.85e5	1.30	NO	0.700	34.20	34.22	NO	1.013	1.014	105.05	105	NO
21	21 13C-1,2,3,6,7,8-HxCDD	4.32e5	4.85e5	1.27	NO	0.833	34.33	34.33	NO	1.017	1.017	106.90	107	NO
22	22 13C-1,2,3,7,8,9-HxCDD	3.85e5	4.85e5	1.26	NO	0.762	34.60	34.62	NO	1.025	1.026	104.22	104	NO
23	23 13C-1,2,3,4,6,7,8-HpCDD	3.18e5	4.85e5	1.03	NO	0.650	38.04	38.09	NO	1.127	1.129	100.81	101	NO
24	24 13C-OCDD	4.94e5	4.85e5	0.91	NO	0.539	40.97	41.04	NO	1.214	1.216	188.70	94.3	NO
25	25 13C-2,3,7,8-TCDF	9.17e5	8.77e5	0.76	NO	0.981	25.53	25.52	NO	1.003	1.003	106.58	107	NO
26	26 13C-1,2,3,7,8-PeCDF	6.82e5	8.77e5	1.62	NO	0.792	29.57	29.65	NO	1.162	1.165	98.297	98.3	NO
27	27 13C-2,3,4,7,8-PeCDF	6.53e5	8.77e5	1.60	NO	0.778	30.63	30.69	NO	1.204	1.206	95.797	95.8	NO
28	28 13C-1,2,3,4,7,8-HxCDF	4.69e5	4.85e5	0.50	NO	0.954	33.30	33.30	NO	0.987	0.987	101.34	101	NO
29	29 13C-1,2,3,6,7,8-HxCDF	4.96e5	4.85e5	0.52	NO	1.01	33.44	33.44	NO	0.991	0.991	101.69	102	NO
30	30 13C-2,3,4,6,7,8-HxCDF	4.57e5	4.85e5	0.50	NO	0.921	34.10	34.11	NO	1.010	1.011	102.22	102	NO

Dataset: U:\VG12.PRO\Results\201108R1\201108R1-1.qld

Last Altered: Monday, November 09, 2020 07:26:33 Pacific Standard Time

Printed: Monday, November 09, 2020 07:27:43 Pacific Standard Time

Name: 201108R1\_1, Date: 08-Nov-2020, Time: 09:10:06, ID: ST201108R1\_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	3.91e5	4.85e5	0.50	NO	0.803	35.10	35.11	NO	1.040	1.040	100.37	100	NO
32	32 13C-1,2,3,4,6,7,8-HpCDF	3.42e5	4.85e5	0.43	NO	0.735	36.66	36.69	NO	1.086	1.087	95.993	96.0	NO
33	33 13C-1,2,3,4,7,8,9-HpCDF	2.51e5	4.85e5	0.42	NO	0.568	38.65	38.72	NO	1.145	1.147	90.988	91.0	NO
34	34 13C-OCDF	5.65e5	4.85e5	0.87	NO	0.629	41.26	41.34	NO	1.222	1.225	185.17	92.6	NO
35	35 37Cl-2,3,7,8-TCDD	7.67e4	5.89e5			1.09	26.21	26.23	NO	1.030	1.031	11.972	120	NO
36	36 13C-1,2,3,4-TCDD	5.89e5	5.89e5	0.82	NO	1.00	25.43	25.45	NO	1.000	1.000	100.00	100	NO
37	37 13C-1,2,3,4-TCDF	8.77e5	8.77e5	0.79	NO	1.00	24.13	23.95	NO	1.000	1.000	100.00	100	NO
38	38 13C-1,2,3,4,6,9-HxCDF	4.85e5	4.85e5	0.50	NO	1.00	33.84	33.75	NO	1.000	1.000	100.00	100	YES ok



Dataset: Untitled

Last Altered: Monday, November 09, 2020 07:12:49 Pacific Standard Time  
Printed: Monday, November 09, 2020 07:12:54 Pacific Standard Time

Method: U:\VG12.PRO\MethDB\1613rrt-10-20-20.mdb 04 Nov 2020 10:00:50  
Calibration: U:\VG12.PRO\CurveDB\ldbDIOXIN\_1613vg12-10-20-20.cdb 20 Oct 2020 13:36:10

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

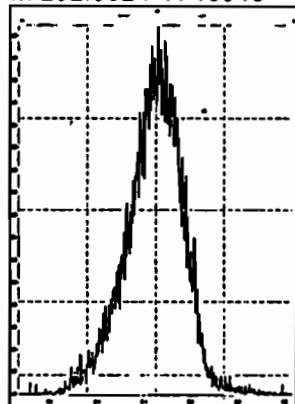
	Name	ID	Acq.Date	Acq.Time
1	201108R1_1	ST201108R1_1 1613 CS3 20F1105	08-Nov-20	09:10:06
2	201108R1_2	TCDF CPSM	08-Nov-20	09:55:00
3	201108R1_3	SOLVENT BLANK	08-Nov-20	10:39:51
4	201108R1_4	2002158-06 USMPDI-1048SG-201007 25.17	08-Nov-20	11:24:41
5	201108R1_5	2002158-04 USMPDI-046SG-201007 28.08	08-Nov-20	12:09:31
6	201108R1_6	2002158-02 USMPDI-034SG-201007 25.69	08-Nov-20	12:54:24
7	201108R1_7	2002158-03 USMPDI-040SG-201007 26.13	08-Nov-20	13:39:16
8	201108R1_8	BOJ0262-DUP1 Duplicate 25.89	08-Nov-20	14:24:07
9	201108R1_9	2002132-01 USMPDI-055SG-201006 27.7	08-Nov-20	15:08:59
10	201108R1_10	2002157-01 USMPDI-026SG-201008 23.37	08-Nov-20	15:53:50
11	201108R1_11			

(A) INST. PAUSED, END RES CHECK PROCESSED  
MANUALLY THE NEXT MORNING. GRS 11/09/2020

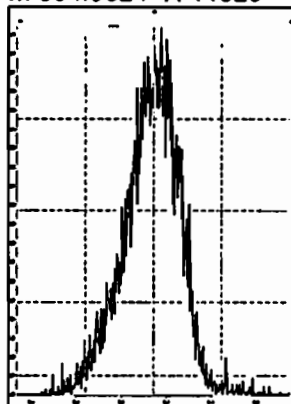
File: Experiment: OCDD\_DB5\_2.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Sunday, November 08, 2020 09:03:15 Pacific Standard Time

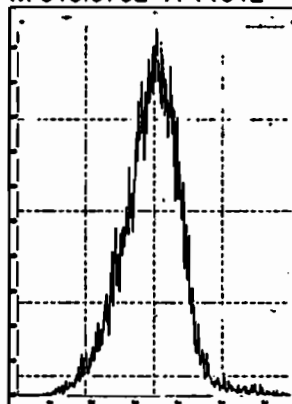
M 292.9824 R 10916



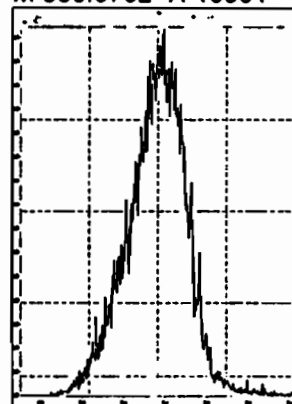
M 304.9824 R 11629



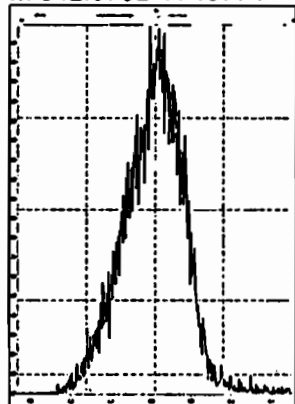
M 318.9792 R 11012



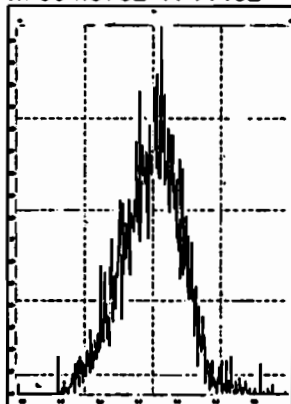
M 330.9792 R 10501



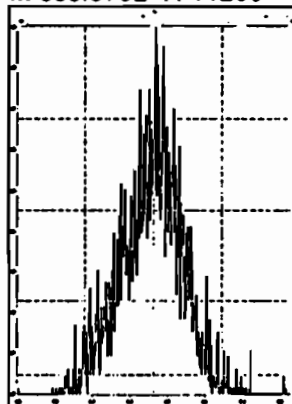
M 342.9792 R 10774



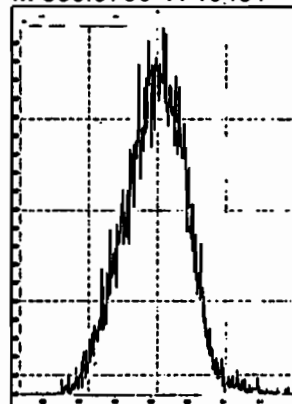
M 354.9792 R 11162



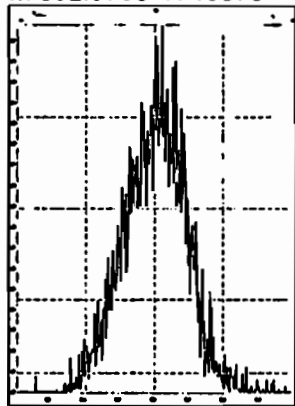
M 366.9792 R 11209



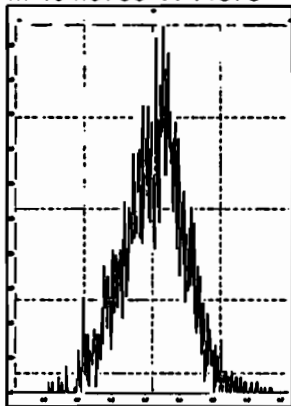
M 380.9760 R 10461



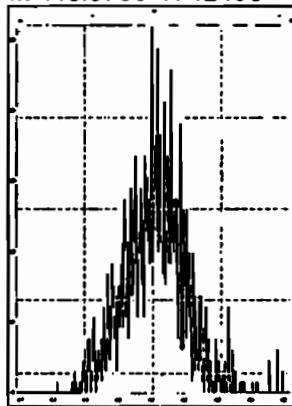
M 392.9760 R 10376



M 404.9760 R 11678



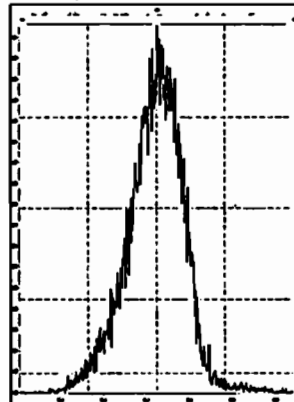
M 416.9760 R 12193



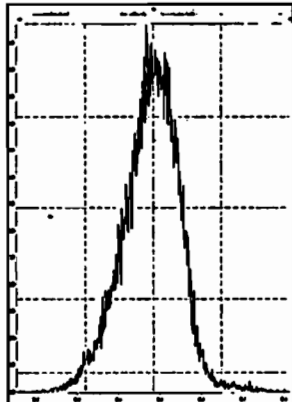
File: Experiment: OCDD\_DB5\_2.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Sunday, November 08, 2020 09:04:00 Pacific Standard Time

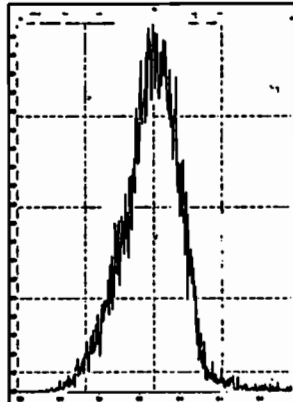
M 318.9792 R 11211



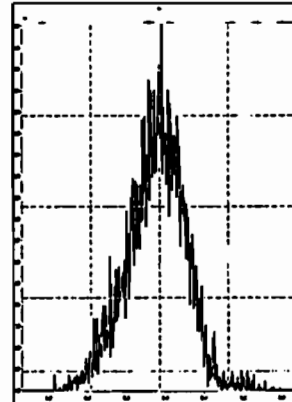
M 330.9792 R 10463



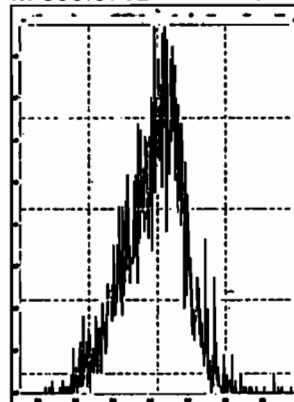
M 342.9792 R 11359



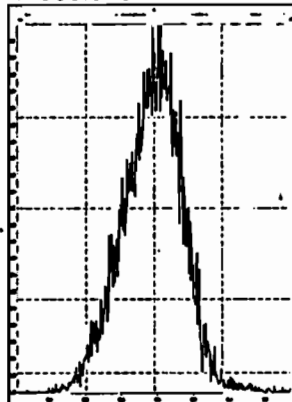
M 354.9792 R 11630



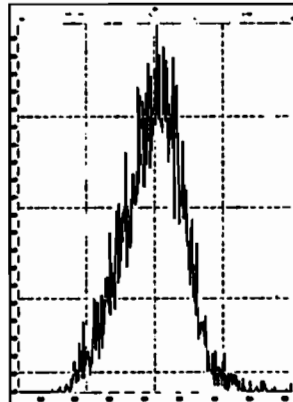
M 366.9792 R 11415



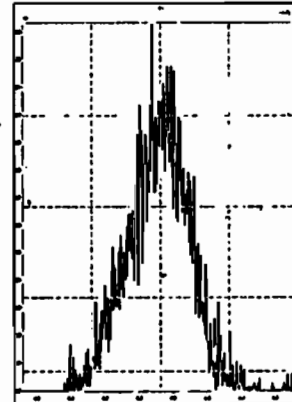
M 380.9760 R 10502



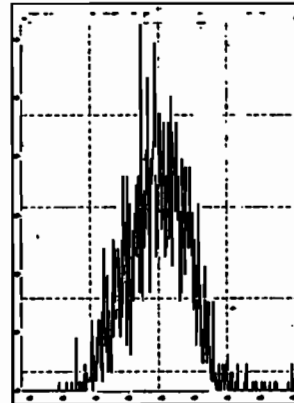
M 392.9760 R 10638



M 404.9760 R 10962



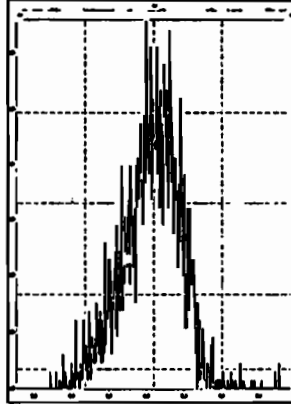
M 416.9760 R 11312



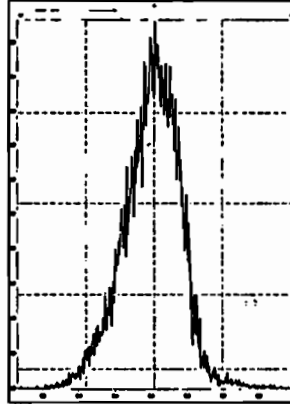
File: Experiment: OCDD\_DB5\_2.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Sunday, November 08, 2020 09:04:45 Pacific Standard Time

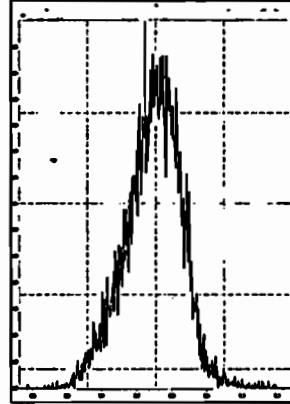
M 366.9792 R 11737



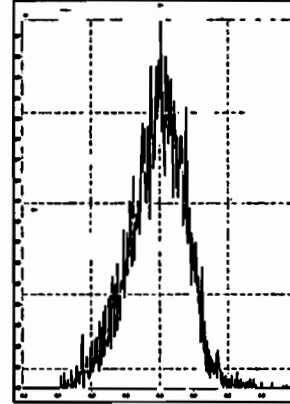
M 380.9760 R 10919



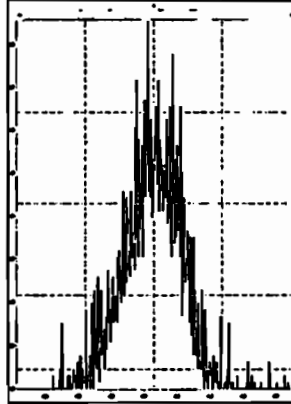
M 392.9760 R 10965



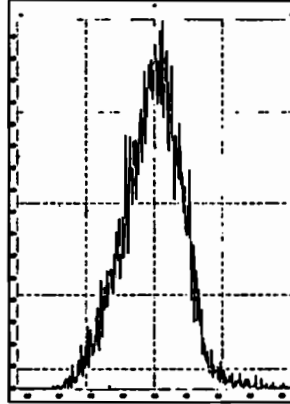
M 404.9760 R 11572



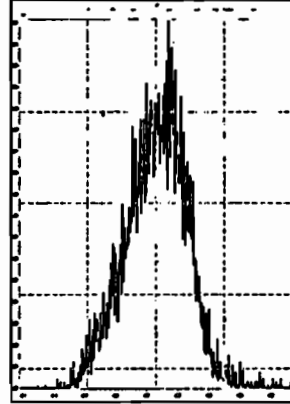
M 416.9760 R 12500



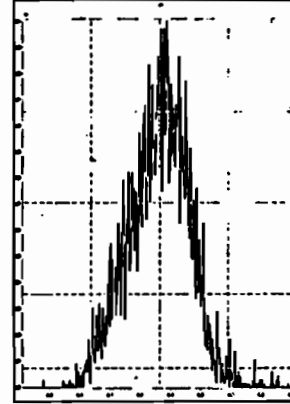
M 430.9728 R 10871



M 442.9728 R 10456



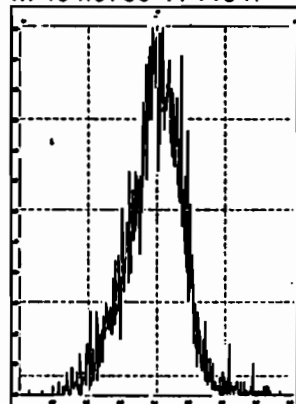
M 454.9728 R 11011



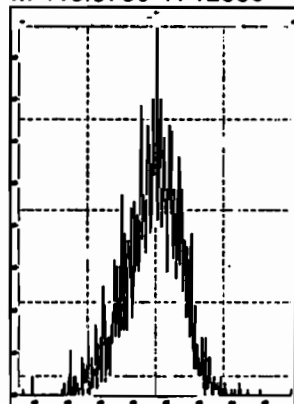
File: Experiment: OCDD\_DB5\_2.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Sunday, November 08, 2020 09:05:35 Pacific Standard Time

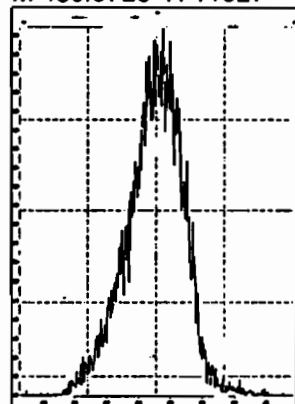
M 404.9760 R 11847



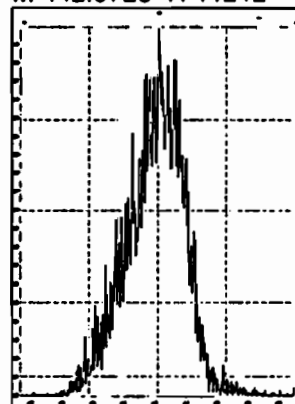
M 416.9760 R 12888



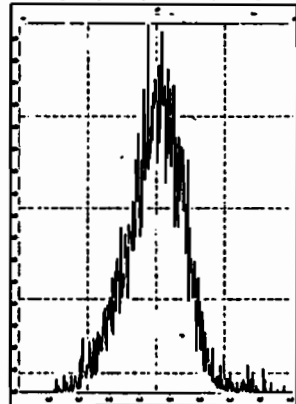
M 430.9728 R 11627



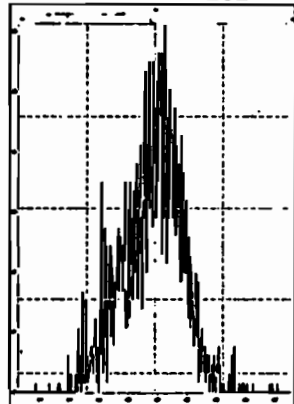
M 442.9728 R 11212



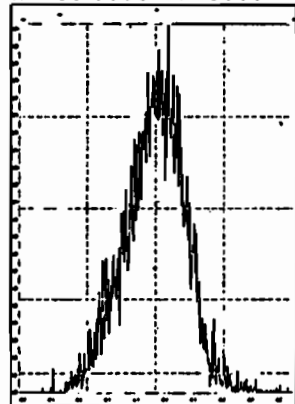
M 454.9728 R 10416



M 466.9728 R 12821



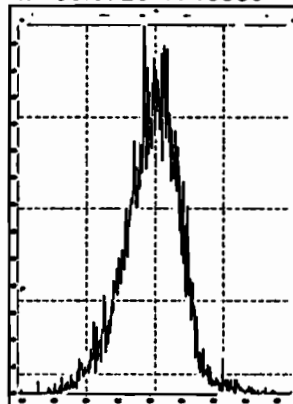
M 480.9696 R 10869



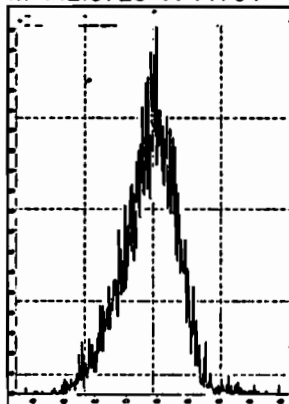
File: Experiment: OCDD\_DB5\_2.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Sunday, November 08, 2020 09:06:18 Pacific Standard Time

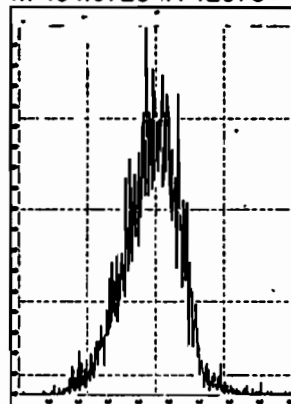
M 430.9728 R 10639



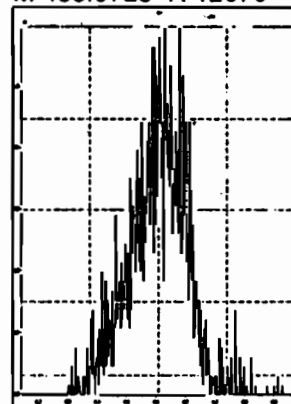
M 442.9728 R 11791



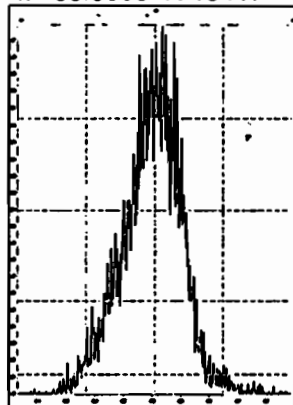
M 454.9728 R 12078



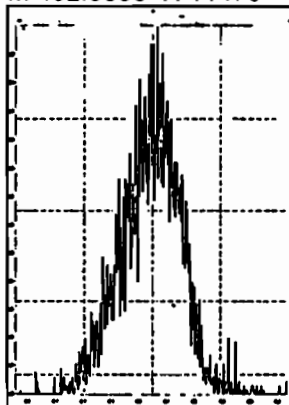
M 466.9728 R 12079



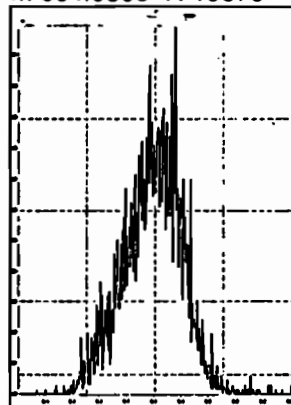
M 480.9696 R 10417



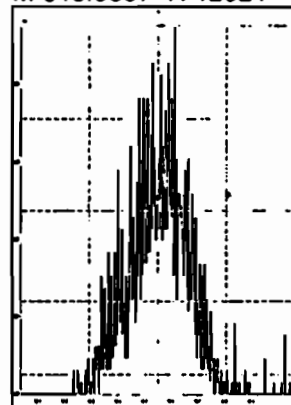
M 492.9696 R 11470



M 504.9696 R 10870



M 516.9697 R 12021



Dataset: Untitled

Last Altered: Monday, November 09, 2020 07:06:21 Pacific Standard Time

Printed: Monday, November 09, 2020 07:06:34 Pacific Standard Time

Method: U:\VG12.PRO\MethDB\CPSM.mdb 24 Oct 2020 08:05:27

Calibration: U:\VG12.PRO\CurveDB\ddbDIOXIN\_1613vg12-10-20-20.cdb 20 Oct 2020 13:36:10

Name: 201108R1\_1, Date: 08-Nov-2020, Time: 09:10:06, ID: ST201108R1\_1 1613 CS3 20F1105, Description: 1613 CS3 20F1105

#	Name	RT
1	1 1,3,6,8-TCDD (First)	22.45
2	2 1,2,8,9-TCDD (Last)	27.12
3	3 1,2,4,7,9-PeCDD (First)	28.66
4	4 1,2,3,8,9-PeCDD (Last)	31.28
5	5 1,2,4,6,7,9-HxCDD (First)	32.59
6	6 1,2,3,7,8,9-HxCDD (Last)	34.63
7	7 1,2,3,4,6,7,9-HpCDD (First)	37.09
8	8 1,2,3,4,6,7,8-HpCDD (Last)	38.10
9	9 1,3,6,8-TCDF (First)	20.21
10	10 1,2,8,9-TCDF (Last)	27.43
11	11 1,3,4,6,8-PeCDF (First)	27.00
12	12 1,2,3,8,9-PeCDF (Last)	31.62
13	13 1,2,3,4,6,8-HxCDF (First)	32.05
14	14 1,2,3,7,8,9-HxCDF (Last)	35.12
15	15 1,2,3,4,6,7,8-HpCDF (First)	36.70
16	16 1,2,3,4,7,8,9-HpCDF (Last)	38.72

Dataset: Untitled

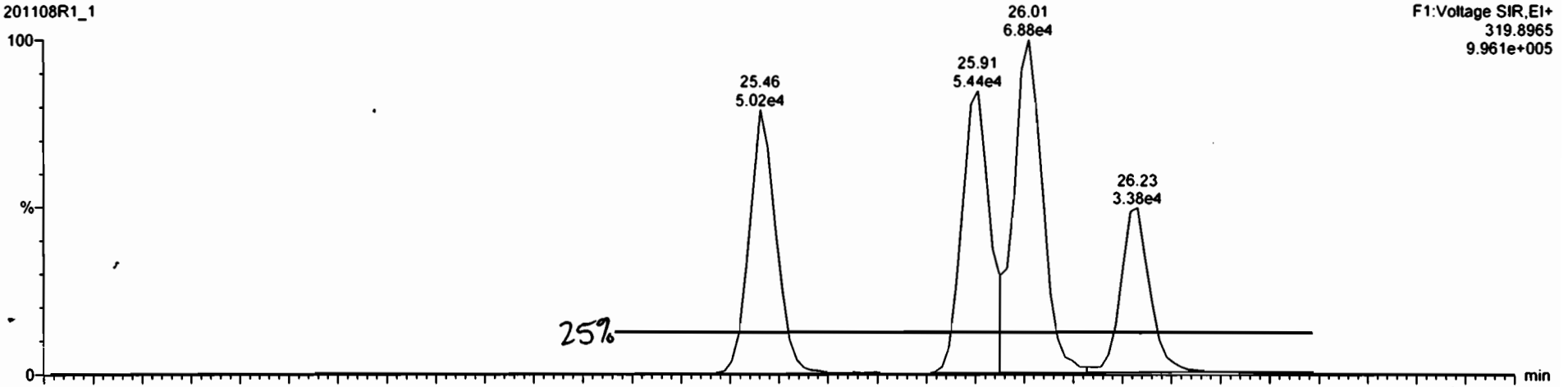
Last Altered: Monday, November 09, 2020 07:06:21 Pacific Standard Time  
Printed: Monday, November 09, 2020 07:06:34 Pacific Standard Time

.. GFB 11/10/2020 FIN 11/10/2020

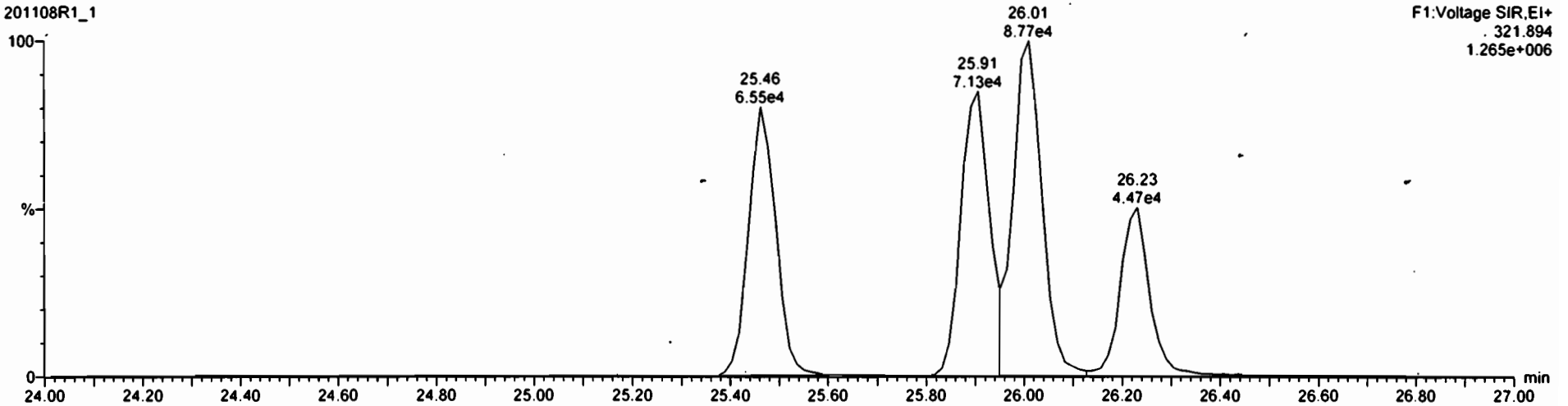
Method: U:\VG12.PRO\MethDB\CPSM.mdb 24 Oct 2020 08:05:27  
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-10-20-20.cdb 20 Oct 2020 13:36:10

Name: 201108R1\_1, Date: 08-Nov-2020, Time: 09:10:06, ID: ST201108R1\_1 1613 CS3 20F1105, Description: 1613 CS3 20F1105

1,3,6,8-TCDD (First)  
201108R1\_1



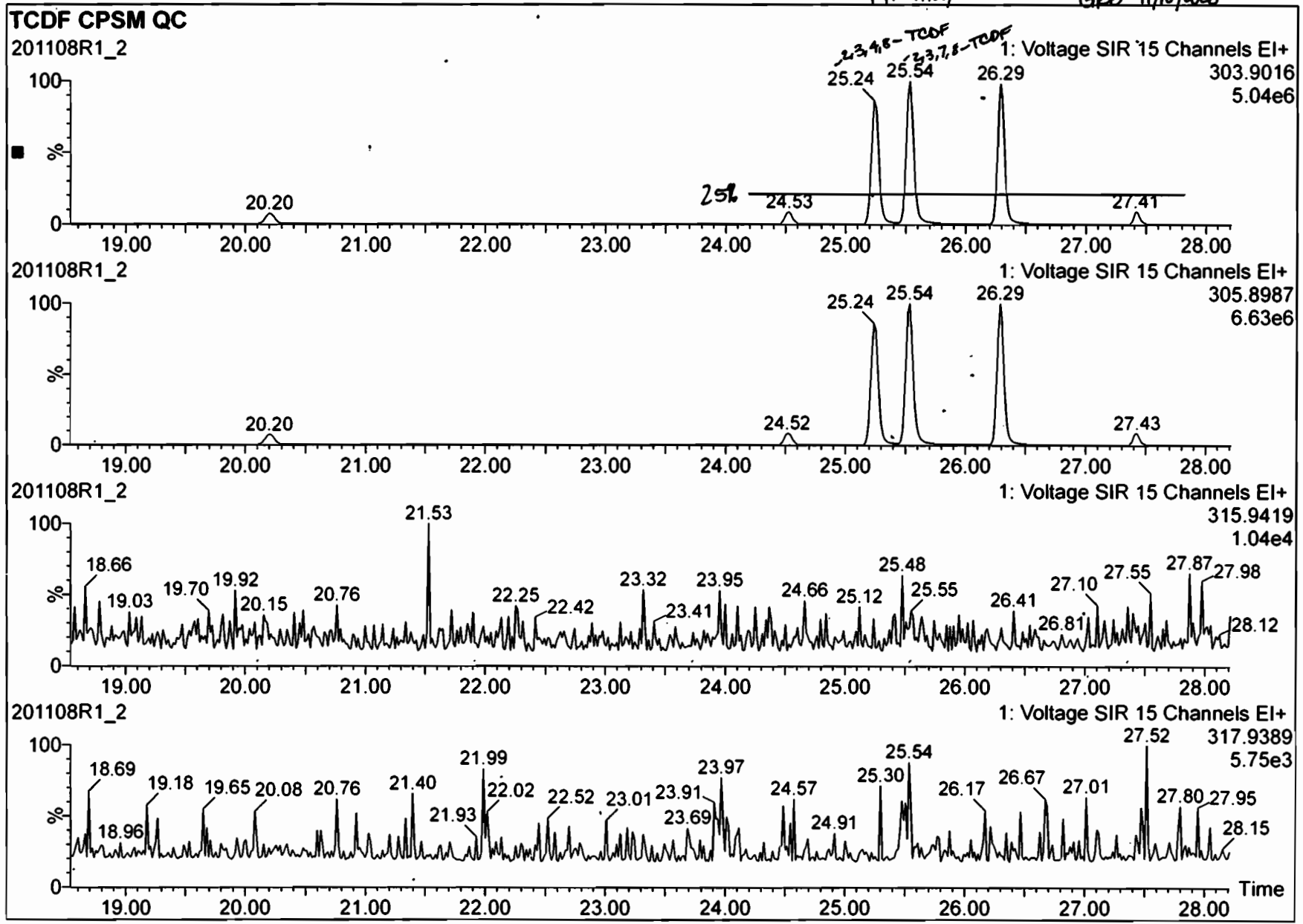
201108R1\_1





HN 11/10/2020  
~~HN 11/10/~~

GPB 11/10/2020



Dataset: Untitled

Last Altered: Monday, November 09, 2020 07:05:17 Pacific Standard Time

Printed: Monday, November 09, 2020 07:06:02 Pacific Standard Time

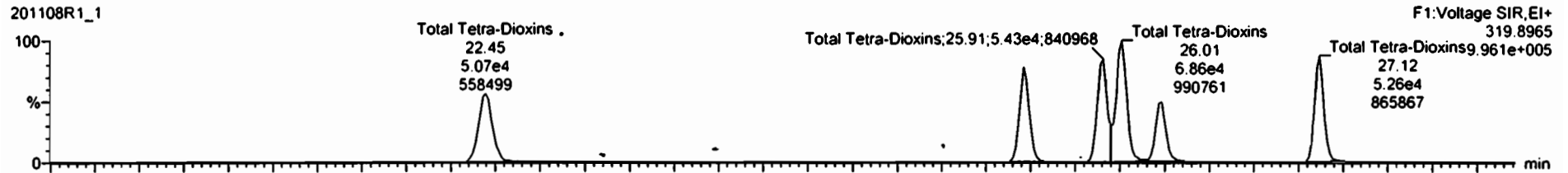
Method: U:\VG12.PRO\MethDB\1613rrt-10-20-20.mdb 04 Nov 2020 10:00:50

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-10-20-20.cdb 20 Oct 2020 13:36:10

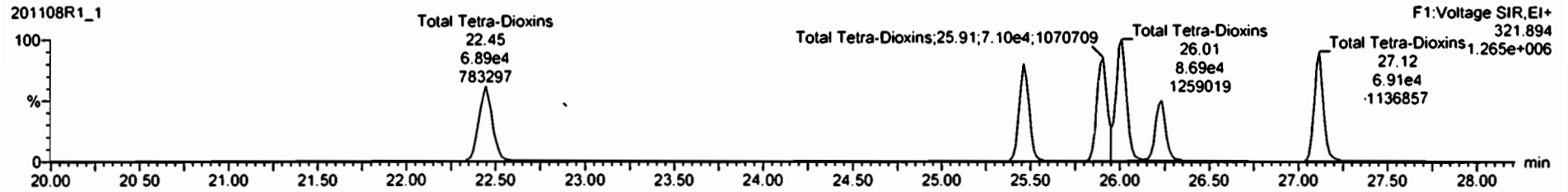
Name: 201108R1\_1, Date: 08-Nov-2020, Time: 09:10:06, ID: ST201108R1\_1 1613 CS3 20F1105, Description: 1613 CS3 20F1105

2,3,7,8-TCDD

201108R1\_1

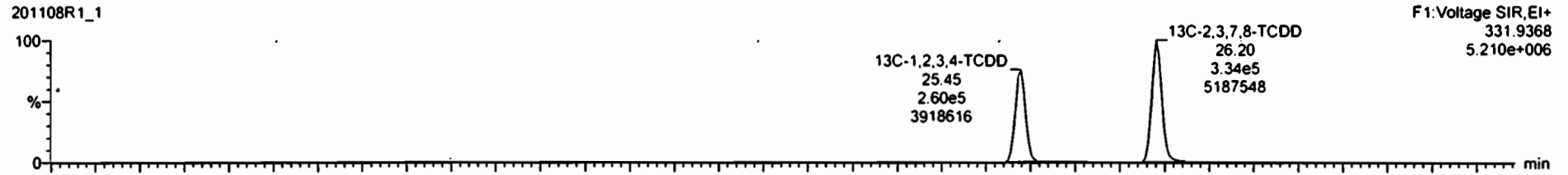


201108R1\_1

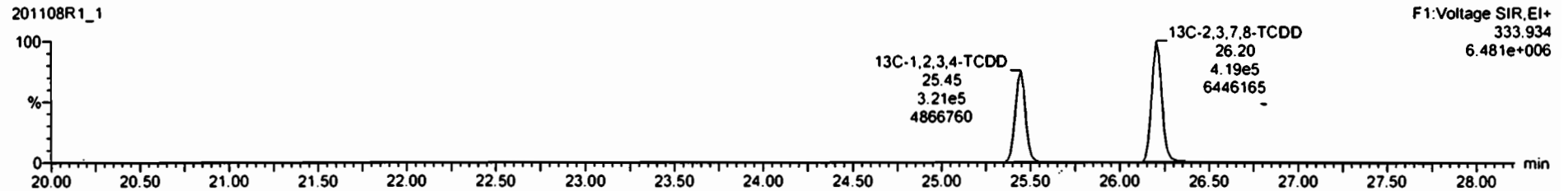


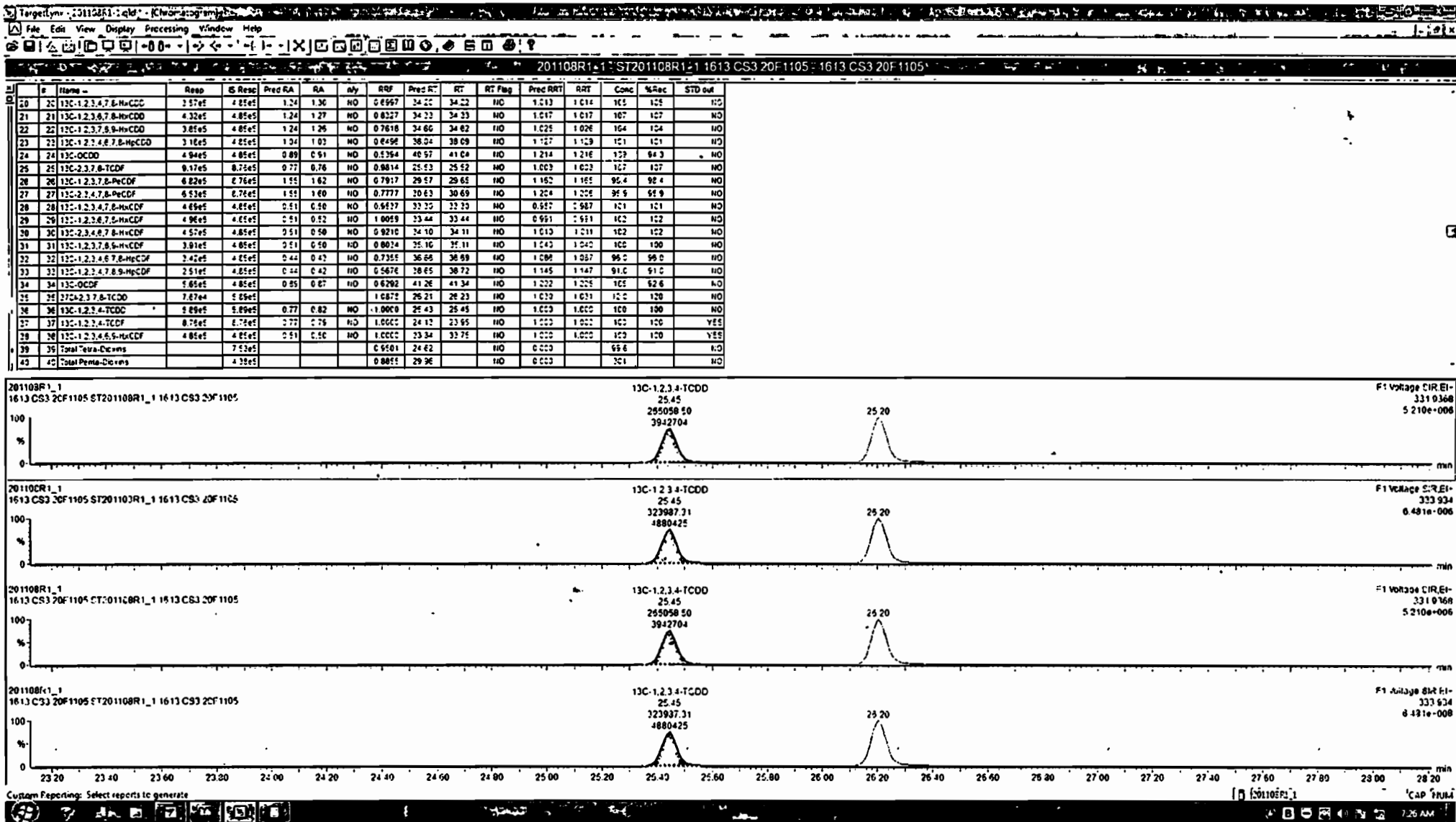
13C-2,3,7,8-TCDD

201108R1\_1



201108R1\_1





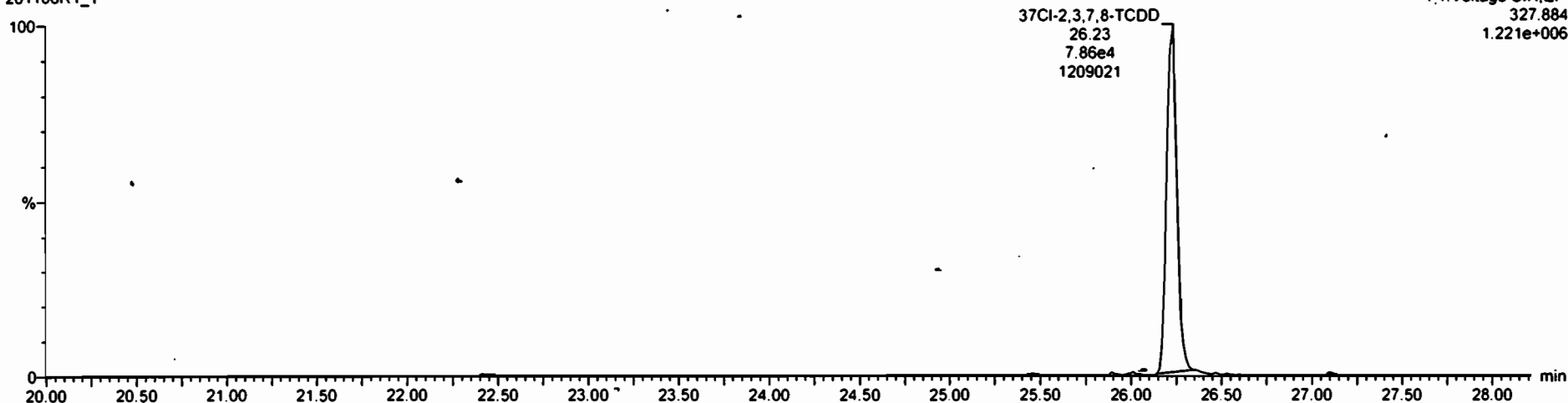
Dataset: Untitled

Last Altered: Monday, November 09, 2020 07:05:17 Pacific Standard Time  
Printed: Monday, November 09, 2020 07:06:02 Pacific Standard Time

Name: 201108R1\_1, Date: 08-Nov-2020, Time: 09:10:06, ID: ST201108R1\_1 1613 CS3 20F1105, Description: 1613 CS3 20F1105

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

201108R1\_1

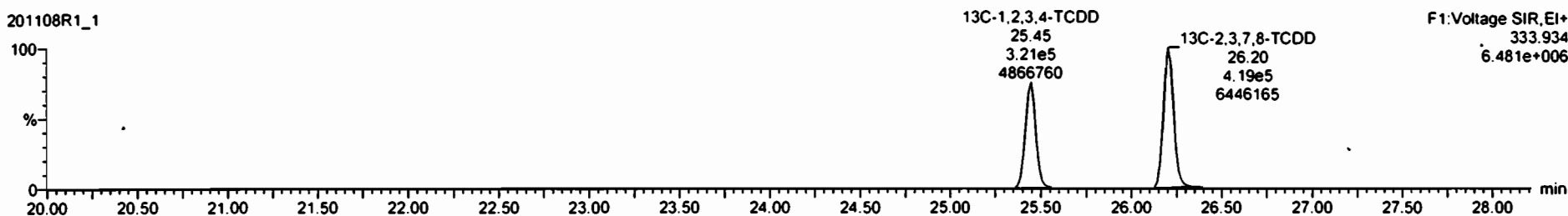


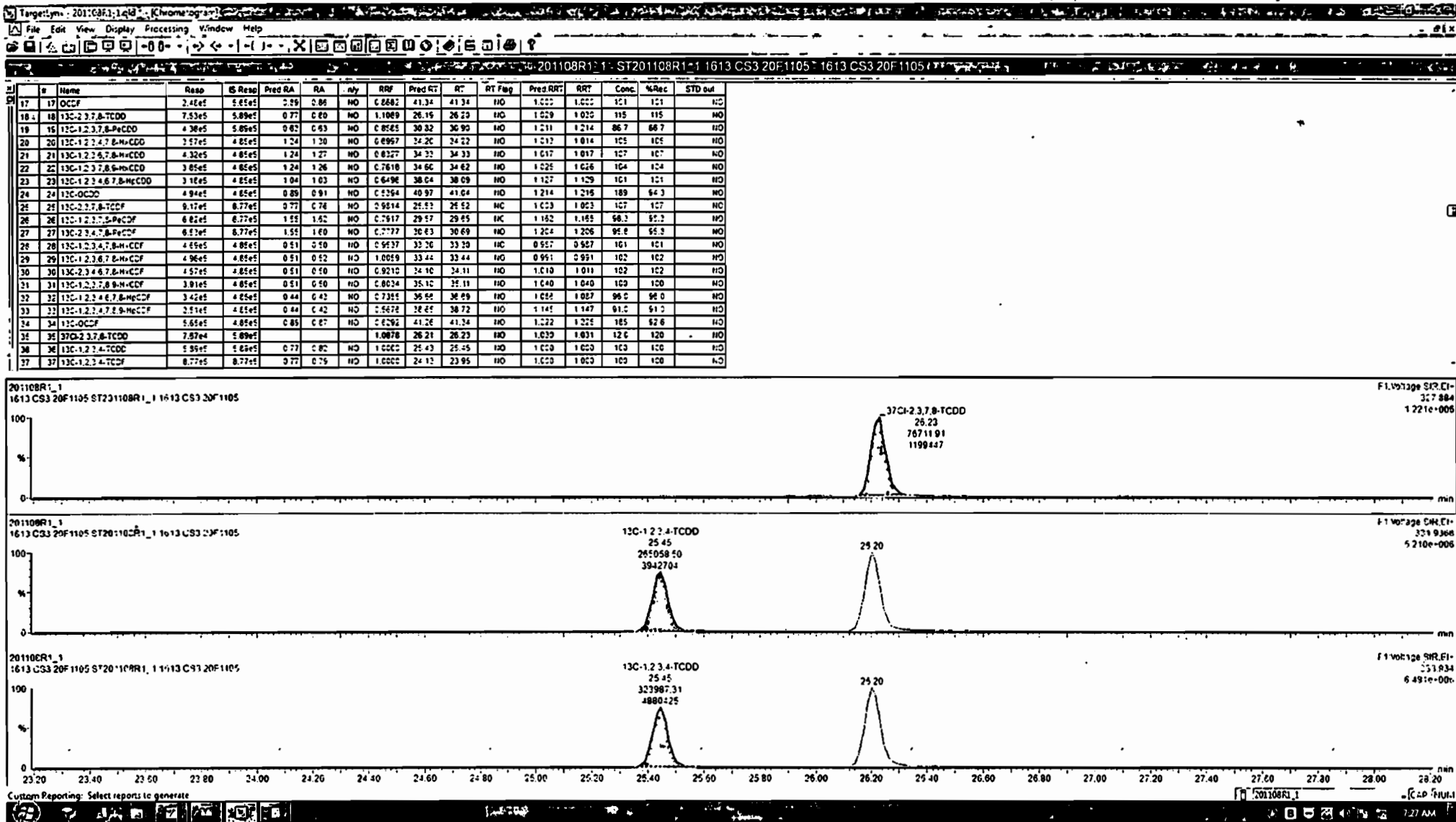
**13C-1,2,3,4-TCDD**

201108R1\_1



201108R1\_1



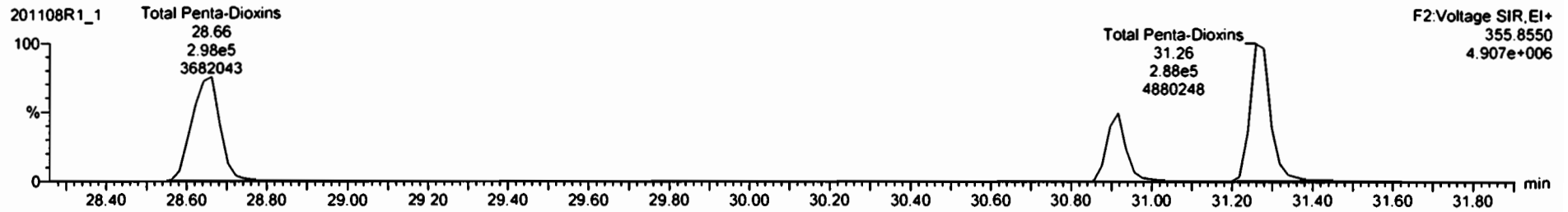


Dataset: Untitled

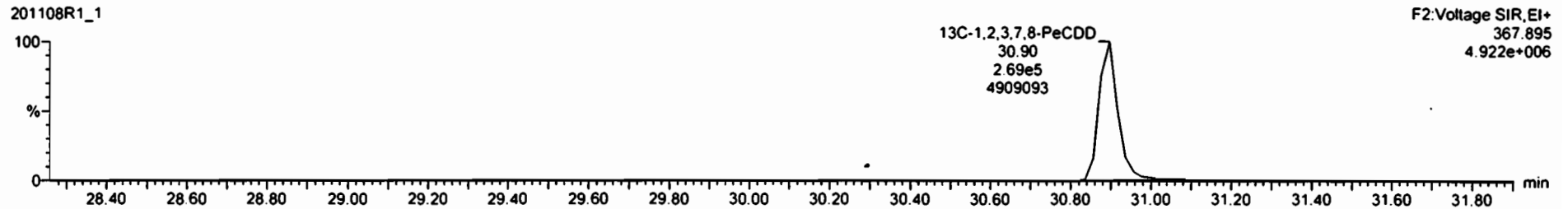
Last Altered: Monday, November 09, 2020 07:05:17 Pacific Standard Time  
Printed: Monday, November 09, 2020 07:06:02 Pacific Standard Time

Name: 201108R1\_1, Date: 08-Nov-2020, Time: 09:10:06, ID: ST201108R1\_1 1613 CS3 20F1105, Description: .1613 CS3 20F1105

1,2,3,7,8-PeCDD



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



Dataset: Untitled

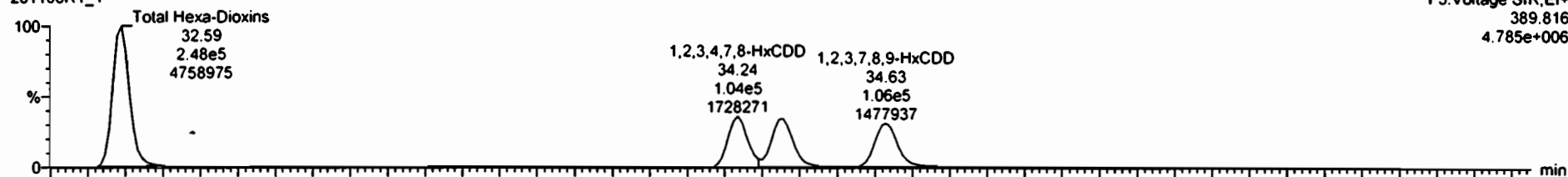
Last Altered: Monday, November 09, 2020 07:05:17 Pacific Standard Time

Printed: Monday, November 09, 2020 07:06:02 Pacific Standard Time

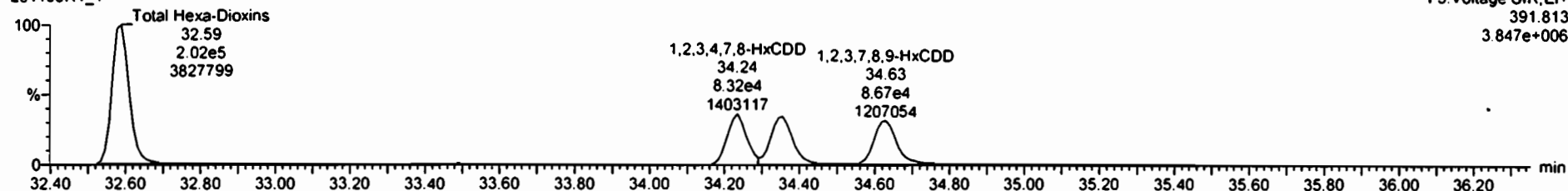
Name: 201108R1\_1, Date: 08-Nov-2020, Time: 09:10:06, ID: ST201108R1\_1 1613 CS3 20F1105, Description: 1613 CS3 20F1105

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

201108R1\_1

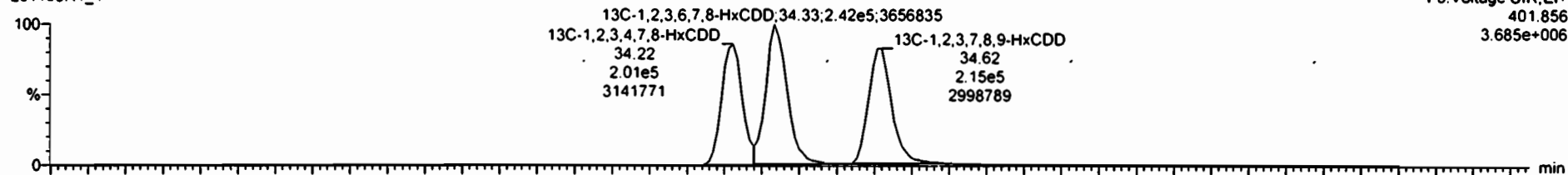


201108R1\_1

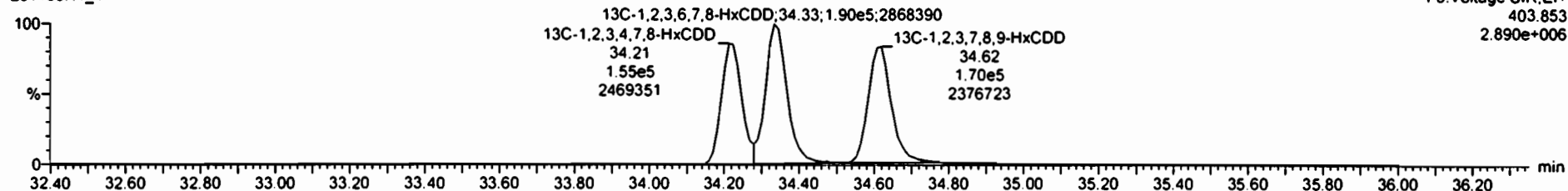


13C-1,2,3,4,7,8-HxCDD

201108R1\_1



201108R1\_1



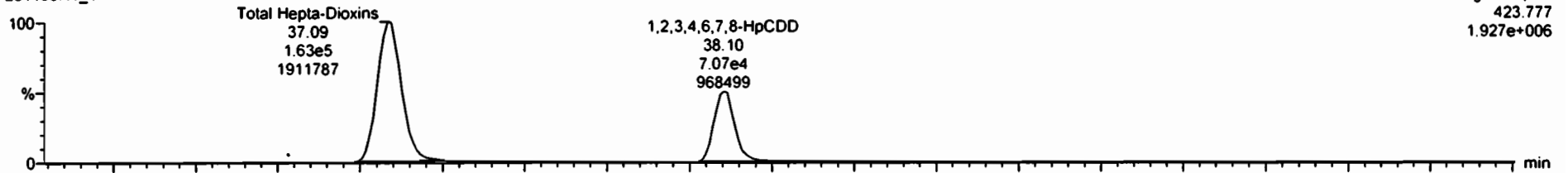
Dataset: Untitled

Last Altered: Monday, November 09, 2020 07:05:17 Pacific Standard Time  
Printed: Monday, November 09, 2020 07:06:02 Pacific Standard Time

Name: 201108R1\_1, Date: 08-Nov-2020, Time: 09:10:06, ID: ST201108R1\_1 1613 CS3 20F1105, Description: 1613 CS3 20F1105

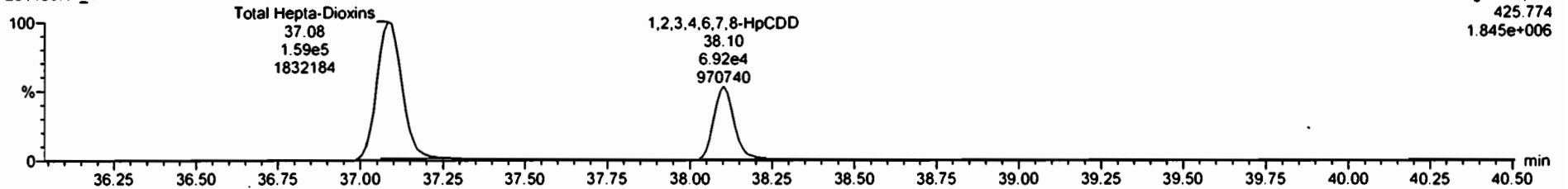
1,2,3,4,6,7,8-HpCDD

201108R1\_1



F4:Voltage SIR,EI+  
423.777  
1.927e+006

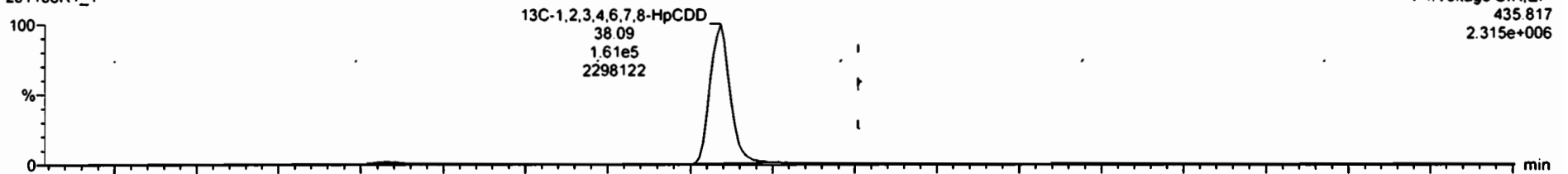
201108R1\_1



F4:Voltage SIR,EI+  
425.774  
1.845e+006

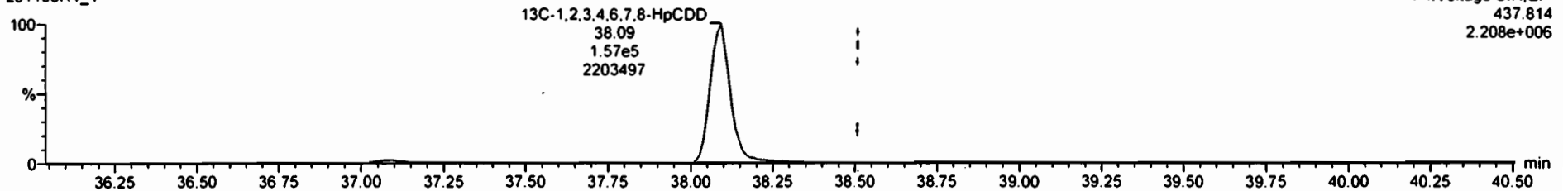
13C-1,2,3,4,6,7,8-HpCDD

201108R1\_1



F4:Voltage SIR,EI+  
435.817  
2.315e+006

201108R1\_1



F4:Voltage SIR,EI+  
437.814  
2.208e+006

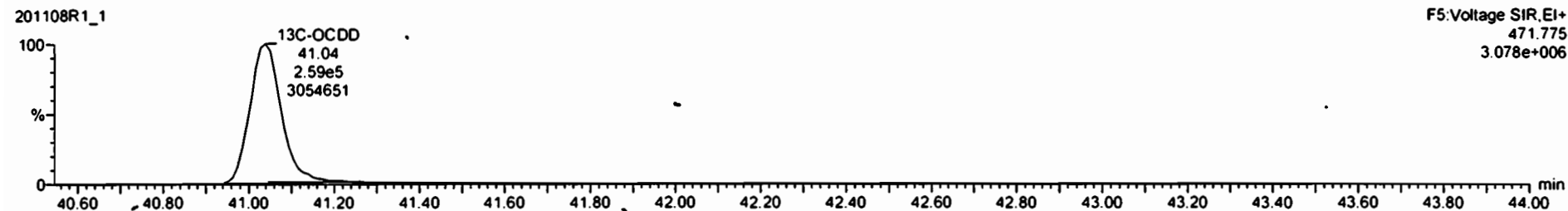
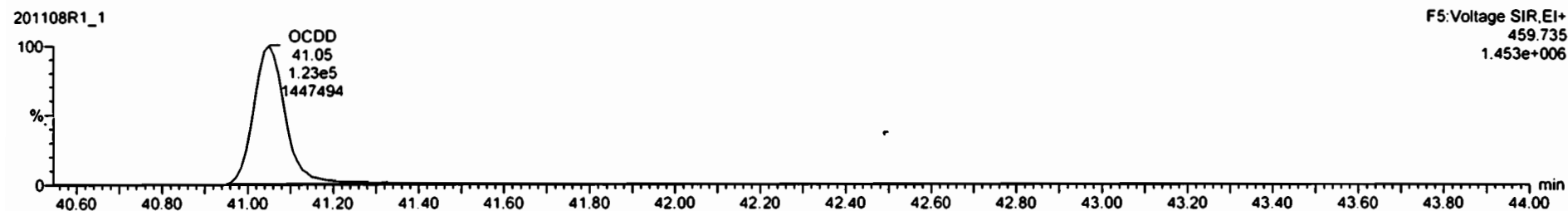


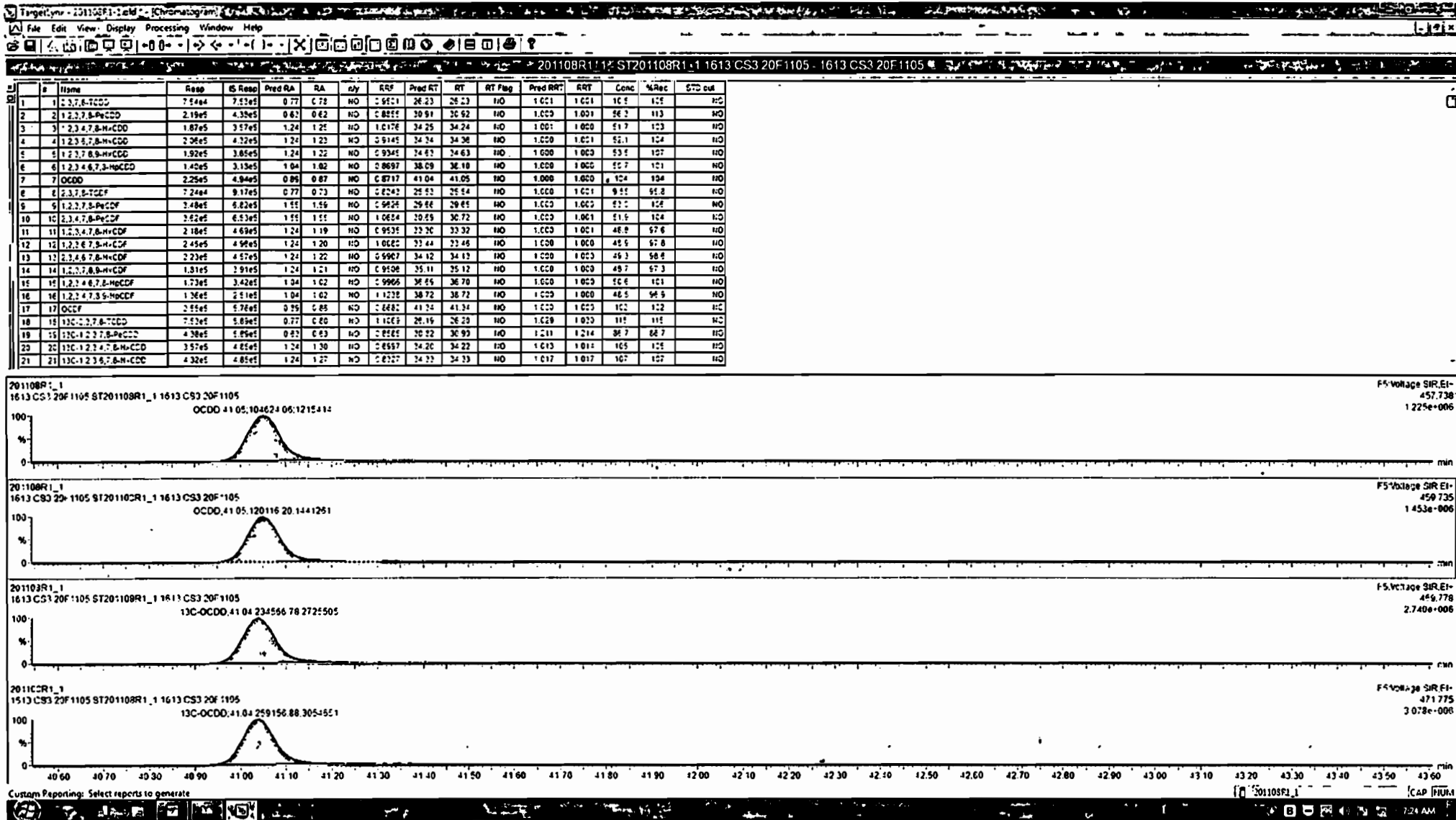
Dataset: Untitled

Last Altered: Monday, November 09, 2020 07:05:17 Pacific Standard Time

Printed: Monday, November 09, 2020 07:06:02 Pacific Standard Time

Name: 201108R1\_1, Date: 08-Nov-2020, Time: 09:10:06, ID: ST201108R1\_1 1613 CS3 20F1105, Description: 1613 CS3 20F1105



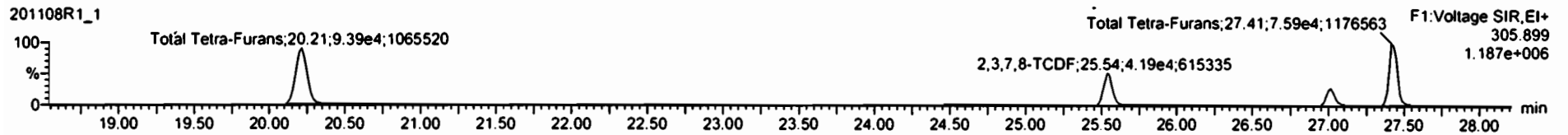


Dataset: Untitled

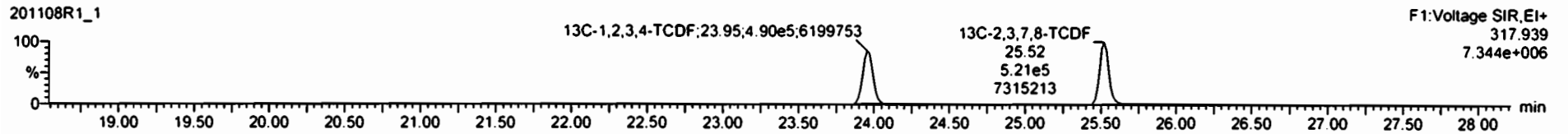
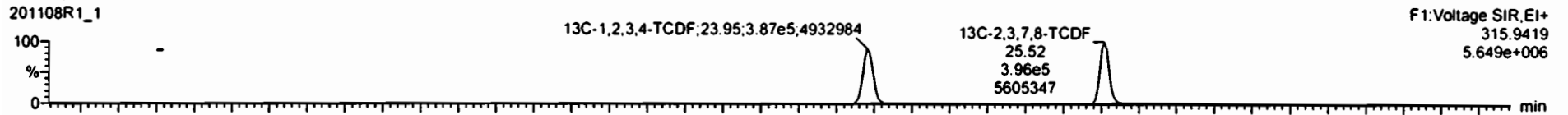
Last Altered: Monday, November 09, 2020 07:05:17 Pacific Standard Time  
Printed: Monday, November 09, 2020 07:06:02 Pacific Standard Time

Name: 201108R1\_1, Date: 08-Nov-2020, Time: 09:10:06, ID: ST201108R1\_1 1613 CS3 20F1105, Description: 1613 CS3 20F1105

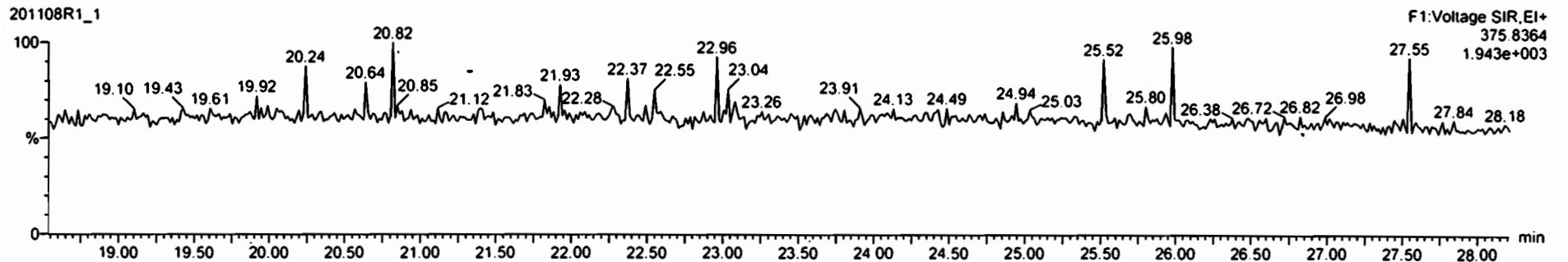
**2,3,7,8-TCDF**



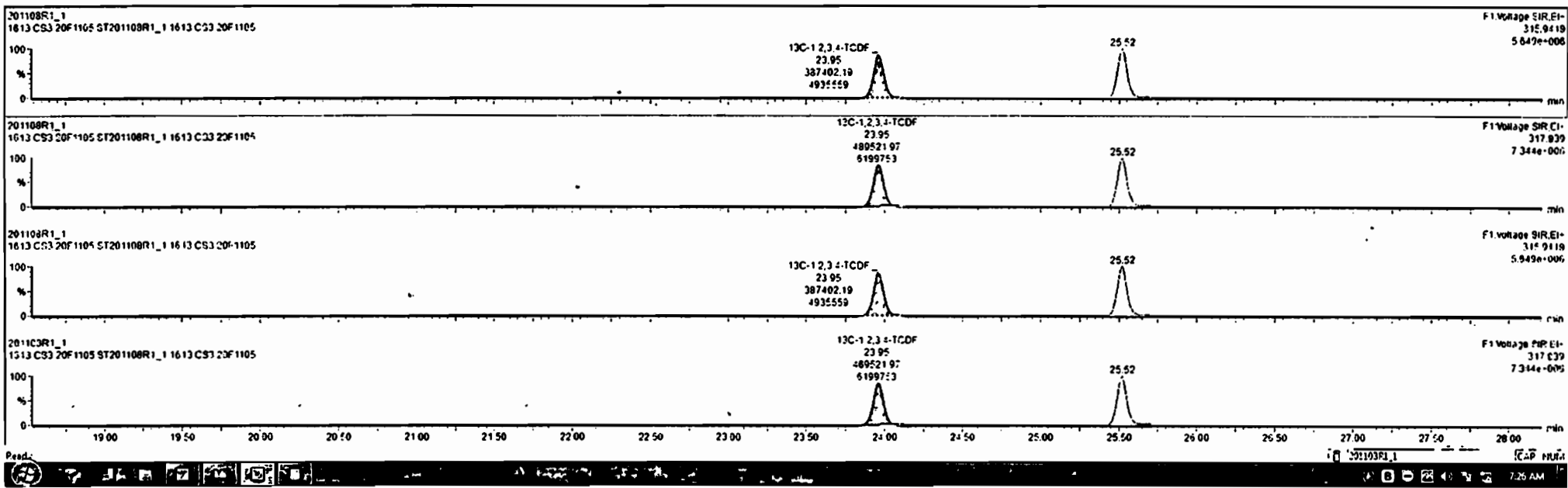
**13C-2,3,7,8-TCDF**



**DPE1**



#	Name	Resp	IS Resp	Pred RA	RA	aly	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD cut
20	13C-1,2,3,4,7,8-HxCDD	3.57e5	4.85e5	1.24	1.36	NO	0.6967	34.26	34.22	NO	1.015	1.014	105	105	NO
21	13C-1,2,3,6,7,8-HxCDD	4.32e5	4.85e5	1.24	1.27	NO	0.8327	34.33	34.33	NO	1.017	1.017	107	107	NO
22	13C-1,2,3,7,8-HxCDD	3.85e5	4.85e5	1.24	1.26	NO	0.7618	34.60	34.62	NO	1.025	1.026	104	104	NO
23	13C-1,2,3,4,6,7,8-HpCDD	2.16e5	4.85e5	1.34	1.33	NO	0.6496	38.24	38.09	NO	1.127	1.125	101	101	NO
24	13C-OCDD	4.94e5	4.85e5	0.85	0.91	NO	0.5364	40.97	41.04	NO	1.214	1.215	169	94.3	NO
25	13C-2,3,7,8-TCDF	9.17e5	8.77e5	0.77	0.76	NO	0.5814	25.53	25.52	NO	1.003	1.003	107	107	NO
26	13C-1,2,3,7,8-PeCDF	6.83e5	8.77e5	1.55	1.62	NO	0.7917	29.57	29.65	NO	1.182	1.185	58.2	58.3	NO
27	13C-2,3,4,7,8-PeCDF	6.53e5	8.77e5	1.55	1.60	NO	0.7777	30.63	30.69	NO	1.204	1.206	95.2	95.3	NO
28	13C-1,2,3,4,7,8-HxCDF	4.69e5	4.85e5	0.51	0.56	NO	0.9237	32.30	32.19	NO	0.927	0.927	101	101	NO
29	13C-1,2,3,7,8-HxCDF	4.96e5	4.85e5	0.51	0.52	NO	1.0059	33.44	33.44	NO	0.951	0.951	102	102	NO
30	13C-2,3,4,6,7,8-HxCDF	4.57e5	4.85e5	0.51	0.50	NO	0.9210	34.10	34.11	NO	1.010	1.011	102	102	NO
31	13C-1,2,3,7,8-HxCDF	3.91e5	4.85e5	0.51	0.50	NO	0.8624	35.10	35.11	NO	1.040	1.040	100	100	NO
32	13C-1,2,3,4,6,7,8-HpCDF	3.42e5	4.85e5	0.44	0.43	NO	0.7355	36.69	36.69	NO	1.086	1.087	96.0	96.0	NO
33	13C-1,2,3,4,7,8-HpCDF	2.51e5	4.85e5	0.44	0.42	NO	0.5676	38.65	38.72	NO	1.145	1.147	51.0	51.0	NO
34	13C-OCDF	5.65e5	4.85e5	0.86	0.87	NO	0.6262	41.26	41.24	NO	1.222	1.225	105	82.6	NO
35	13Cl-2,3,7,8-TCDD	7.67e4	5.69e5				1.0870	26.21	26.23	NO	1.020	1.021	12.0	12.0	NO
36	13C-1,2,3,4-TCDD	5.89e5	5.69e5	0.77	0.82	NO	1.0000	25.42	25.45	NO	1.000	1.000	100	100	NO
37	13C-1,2,3,4-TCDF	8.77e5	6.77e5	3.77	0.78	NO	1.3000	24.13	23.65	NO	1.000	1.000	100	100	NO
38	13C-1,2,3,4,6,8-HxCDF	4.95e5	4.85e5	0.51	0.50	NO	1.0000	33.24	33.75	NO	1.000	1.000	100	100	YES
39	Total Tetra-Dioxins		7.53e5				0.9501	24.62		NO	0.000		99.2		NO
40	Total Penta-Dioxins		4.38e5				0.8656	29.96		NO	0.000		30.1		NO



Dataset: Untitled

Last Altered: Monday, November 09, 2020 07:05:17 Pacific Standard Time  
Printed: Monday, November 09, 2020 07:06:02 Pacific Standard Time

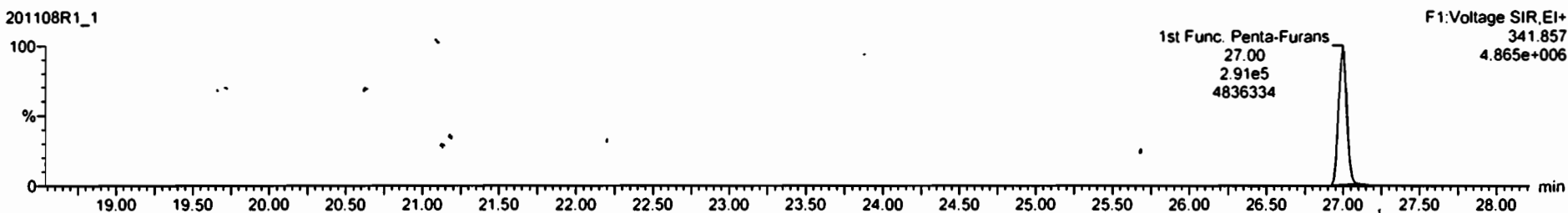
Name: 201108R1\_1, Date: 08-Nov-2020, Time: 09:10:06, ID: ST201108R1\_1 1613 CS3 20F1105, Description: 1613 CS3 20F1105

1st Func. Penta-Furans

201108R1\_1

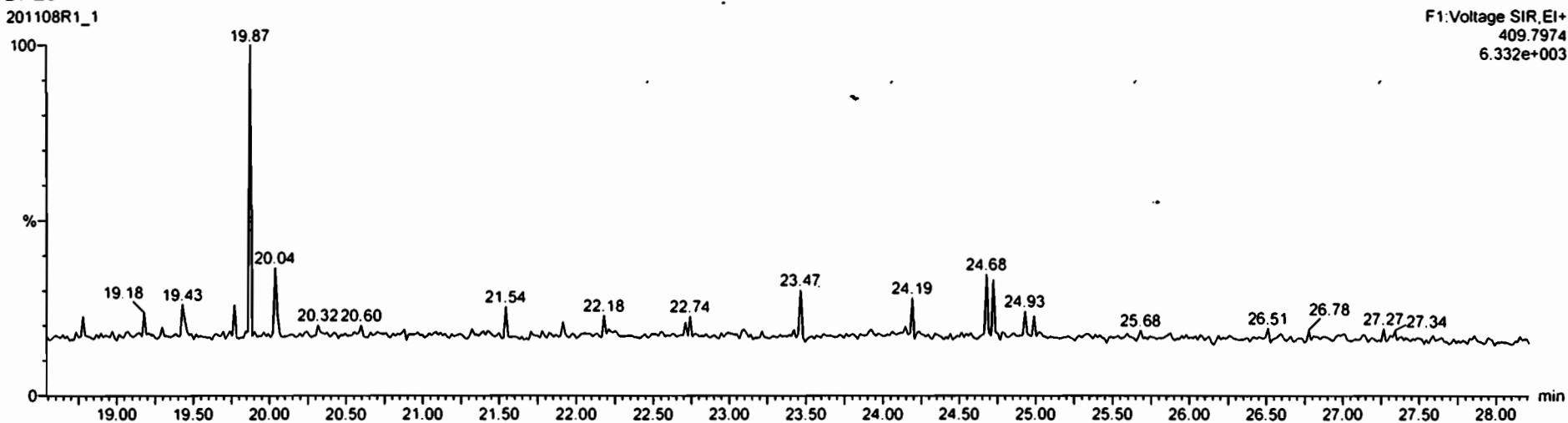


201108R1\_1



DPE6

201108R1\_1



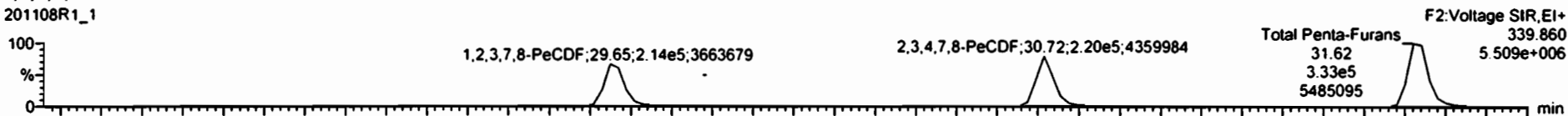
Dataset: Untitled

Last Altered: Monday, November 09, 2020 07:05:17 Pacific Standard Time  
Printed: Monday, November 09, 2020 07:06:02 Pacific Standard Time

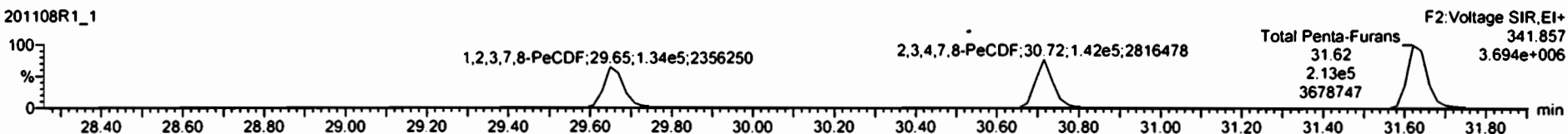
Name: 201108R1\_1, Date: 08-Nov-2020, Time: 09:10:06, ID: ST201108R1\_1 1613 CS3 20F1105, Description: 1613 CS3 20F1105

**1,2,3,7,8-PeCDF**

201108R1\_1

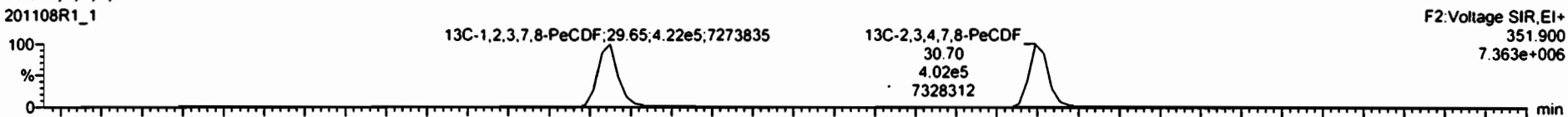


201108R1\_1

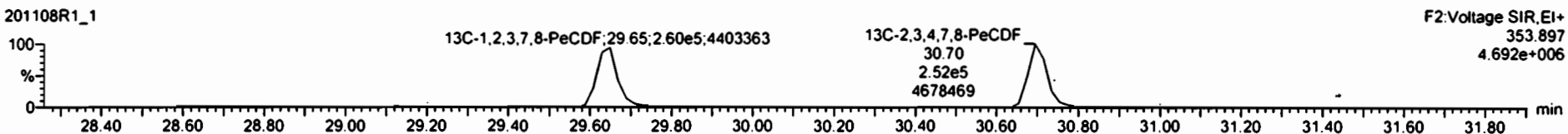


**13C-1,2,3,7,8-PeCDF**

201108R1\_1

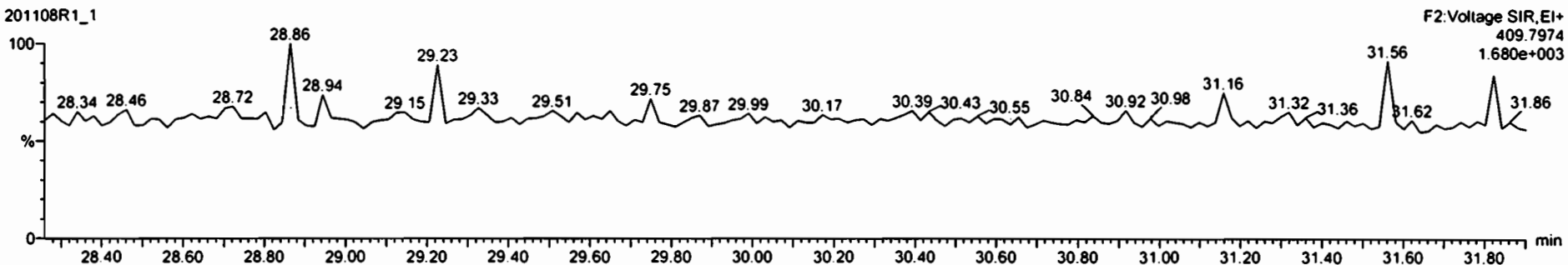


201108R1\_1



**DPE2**

201108R1\_1

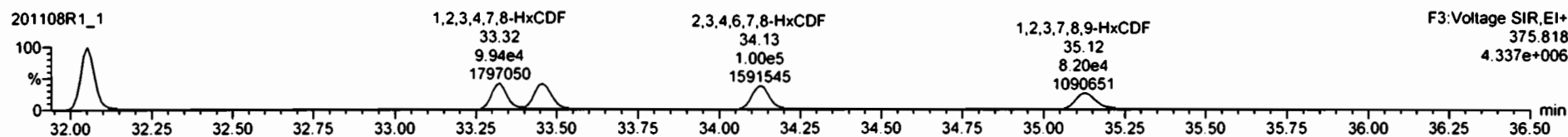
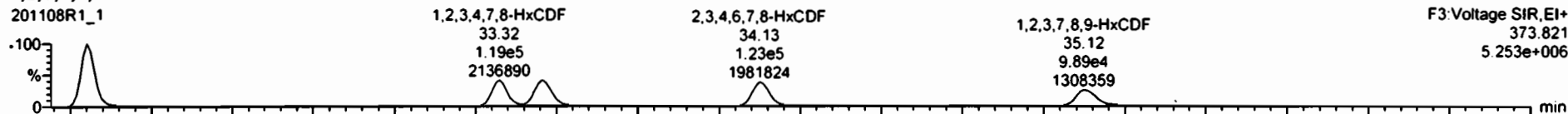


Dataset: Untitled

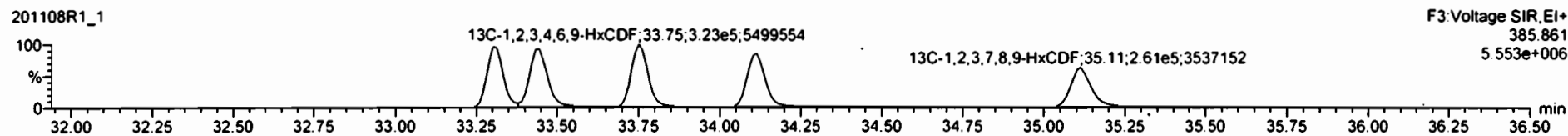
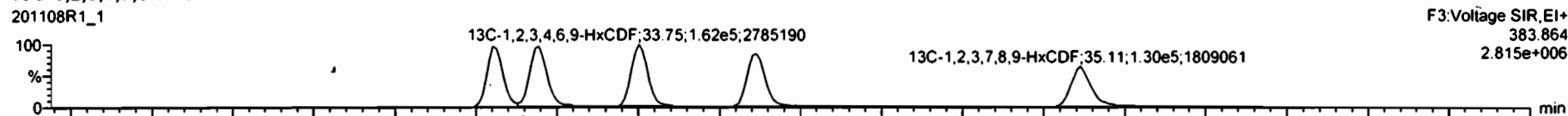
Last-Altered: Monday, November 09, 2020 07:05:17 Pacific Standard Time  
Printed: Monday, November 09, 2020 07:06:02 Pacific Standard Time

Name: 201108R1\_1, Date: 08-Nov-2020, Time: 09:10:06, ID: ST201108R1\_1 1613 CS3 20F1105, Description: 1613 CS3 20F1105

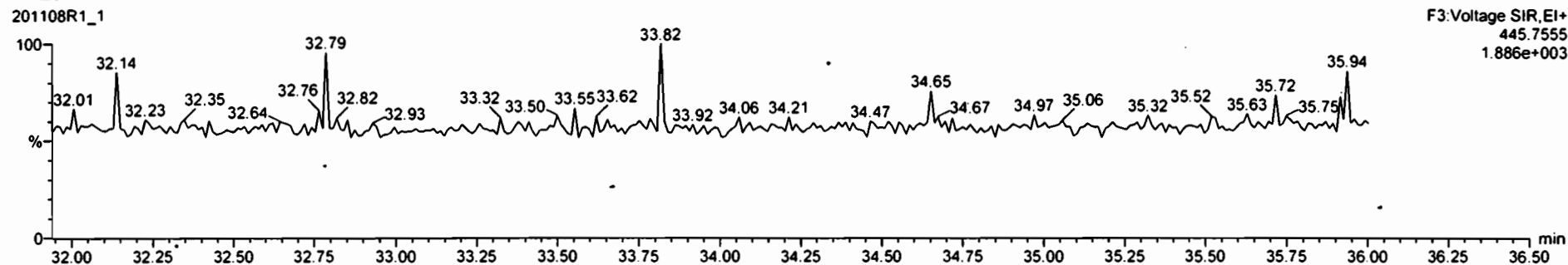
1,2,3,4,7,8-HxCDF



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



DPE3



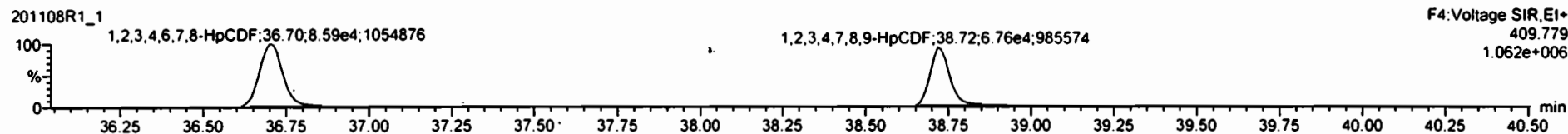
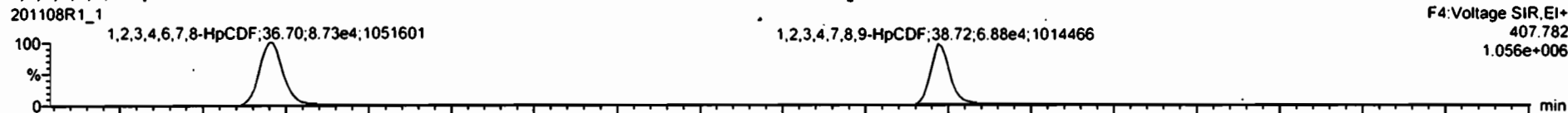
Dataset: Untitled

Last Altered: Monday, November 09, 2020 07:05:17 Pacific Standard Time

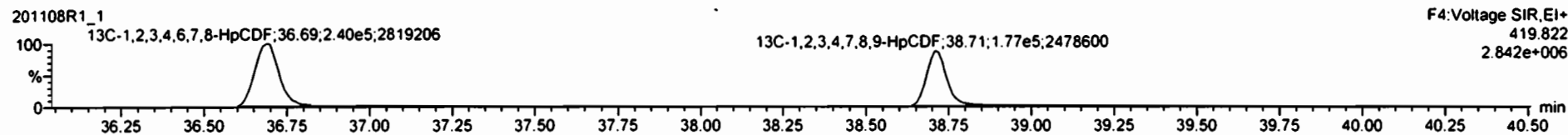
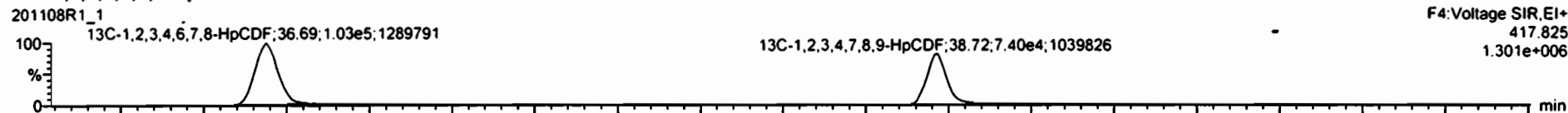
Printed: Monday, November 09, 2020 07:06:02 Pacific Standard Time

Name: 201108R1\_1, Date: 08-Nov-2020, Time: 09:10:06, ID: ST201108R1\_1 1613 CS3 20F1105, Description: 1613 CS3 20F1105

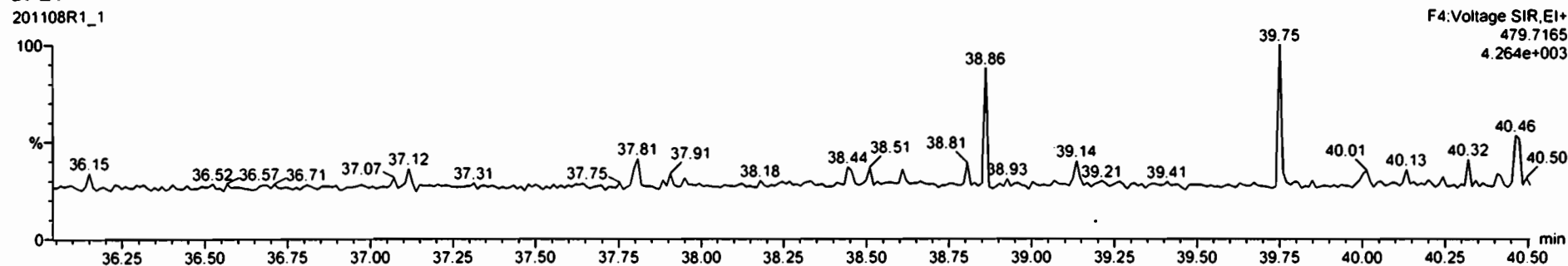
1,2,3,4,6,7,8-HpCDF



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



DPE4

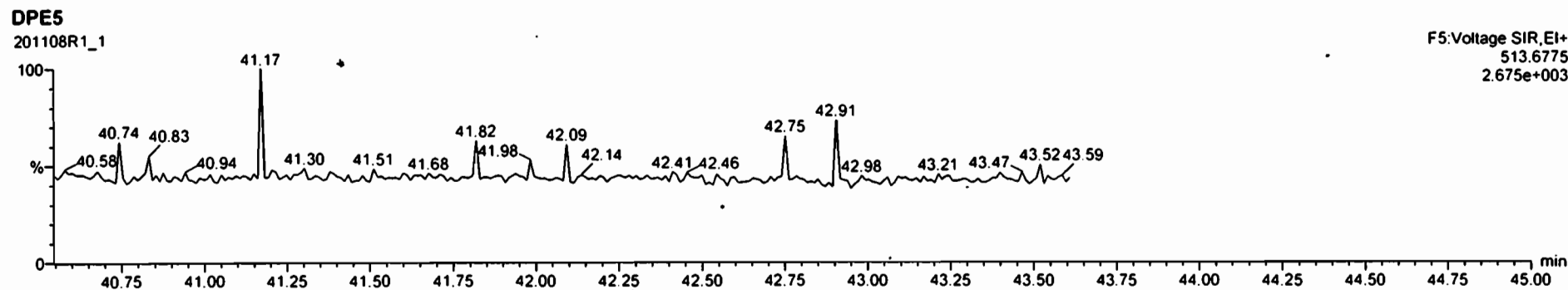
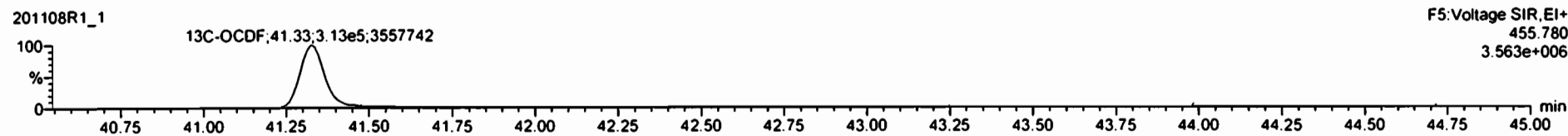
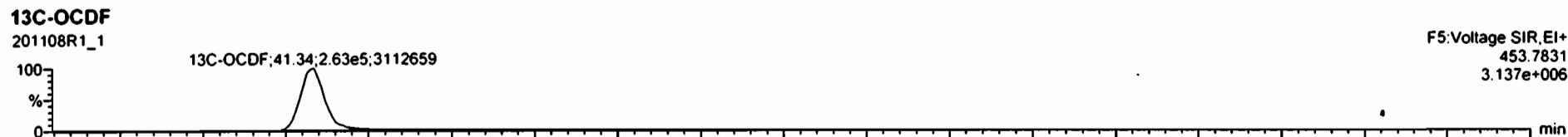
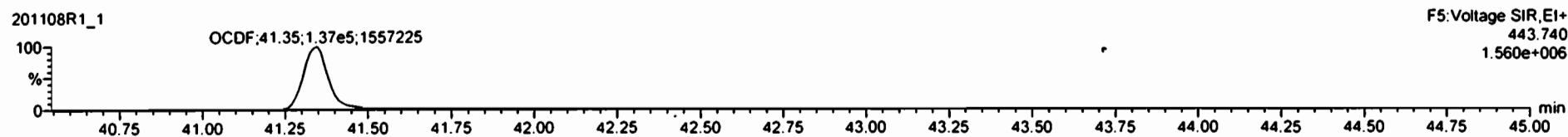




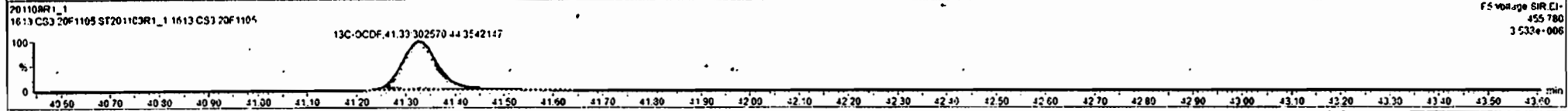
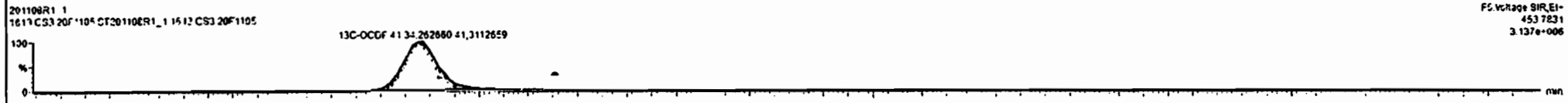
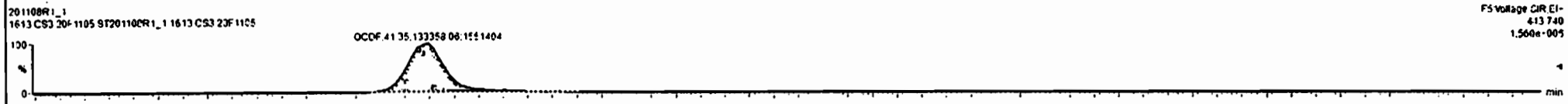
Dataset: Untitled

Last Altered: Monday, November 09, 2020 07:05:17 Pacific Standard Time  
Printed: Monday, November 09, 2020 07:06:02 Pacific Standard Time

Name: 201108R1\_1, Date: 08-Nov-2020, Time: 09:10:06, ID: ST201108R1\_1 1613 CS3 20F1105, Description: 1613 CS3 20F1105



#	Name	Resp	IS Resc	Pred RA	RA	ny	RR <sup>2</sup>	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	1.2,3,7,8-TCDD	7.54e4	7.53e5	0.77	0.78	NO	0.9521	26.22	26.23	NO	1.000	1.001	10.5	105	NO
2	1,2,3,7,8-PeCDD	2.19e5	4.38e5	0.63	0.62	NO	0.8855	30.91	30.92	NO	1.000	1.001	56.2	113	NO
3	1,2,3,4,7,8-HxCDD	1.87e5	3.57e5	1.24	1.25	NO	1.0176	34.25	34.24	NO	1.001	1.000	51.7	103	NO
4	1,2,3,6,7,8-HxCDD	2.06e5	4.32e5	1.24	1.23	NO	0.9145	34.34	34.36	NO	1.000	1.001	52.1	104	NO
5	1,2,3,7,8,9-HxCDD	1.92e5	3.85e5	1.24	1.23	NO	0.9245	34.63	34.63	NO	1.000	1.000	53.5	107	NO
6	1,2,3,4,6,7,8-HpCDD	1.40e5	3.18e5	1.04	1.02	NO	0.8697	38.09	38.10	NO	1.000	1.000	50.7	101	NO
7	OCDD	2.25e5	4.94e5	0.89	0.87	NO	0.8717	41.34	41.05	NO	1.000	1.000	104	104	NO
8	2,3,7,8-TCDF	7.24e4	9.17e5	0.77	0.73	NO	0.8243	25.53	25.54	NO	1.000	1.001	9.55	95.2	NO
9	1,2,3,7,8-PeCDF	2.48e5	6.82e5	1.55	1.56	NO	0.9626	29.66	29.65	NO	1.000	1.000	53.0	106	NO
10	1,2,3,4,7,8-PeCDF	3.85e5	6.53e5	1.55	1.55	NO	1.0084	30.69	30.72	NO	1.000	1.001	51.9	104	NO
11	1,2,3,4,7,8-HxCDF	2.18e5	4.69e5	1.24	1.19	NO	0.9539	33.30	33.32	NO	1.000	1.001	48.8	97.8	NO
12	1,2,3,6,7,8-HxCDF	2.45e5	4.96e5	1.24	1.20	NO	1.0002	33.44	33.46	NO	1.000	1.000	45.9	97.8	NO
13	1,2,3,4,6,7,8-HxCDF	2.27e5	4.57e5	1.24	1.22	NO	0.9907	34.12	34.13	NO	1.000	1.000	45.3	98.8	NO
14	1,2,3,7,8,9-HxCDF	1.31e5	2.91e5	1.24	1.21	NO	0.9508	35.11	35.12	NO	1.000	1.000	48.7	97.2	NO
15	1,2,3,4,6,7,8-HpCDF	1.73e5	3.42e5	1.04	1.02	NO	0.9906	36.59	36.70	NO	1.000	1.000	50.6	101	NO
16	1,2,3,4,7,8,9-HpCDF	1.56e5	2.51e5	1.04	1.02	NO	1.1230	38.72	38.72	NO	1.000	1.000	48.5	96.9	NO
17	OCDF	2.48e5	5.85e5	0.89	0.86	NO	0.8882	41.34	41.34	NO	1.000	1.000	101	101	NO
18	13C-2,3,7,8-TCDD	7.53e5	5.89e5	0.77	0.60	NO	1.1003	26.16	26.20	NO	1.026	1.020	115	115	NO
19	13C-1,2,3,7,8-PeCDD	4.38e5	5.89e5	0.63	0.63	NO	0.8505	30.82	30.80	NO	1.211	1.214	86.7	86.7	NO
20	13C-1,2,3,4,7,8-HxCDD	3.57e5	4.85e5	1.24	1.30	NO	0.9557	34.20	34.22	NO	1.013	1.014	105	105	NO
21	13C-1,2,3,6,7,8-HxCDD	4.32e5	4.85e5	1.24	1.27	NO	0.8227	34.33	34.33	NO	1.017	1.017	107	107	NO



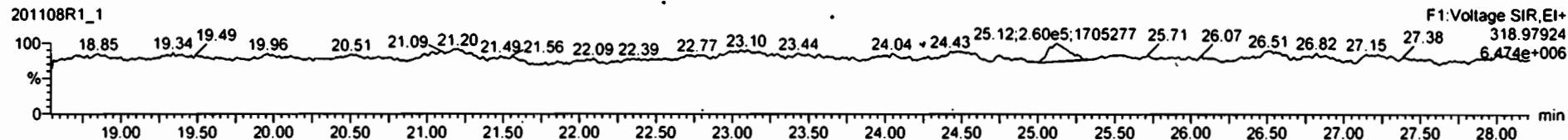
Dataset: Untitled

Last Altered: Monday, November 09, 2020 07:05:17 Pacific Standard Time

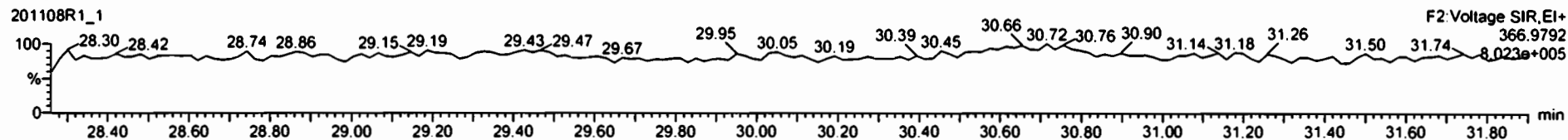
Printed: Monday, November 09, 2020 07:06:02 Pacific Standard Time

Name: 201108R1\_1, Date: 08-Nov-2020, Time: 09:10:06, ID: ST201108R1\_1 1613 CS3 20F1105, Description: 1613 CS3 20F1105

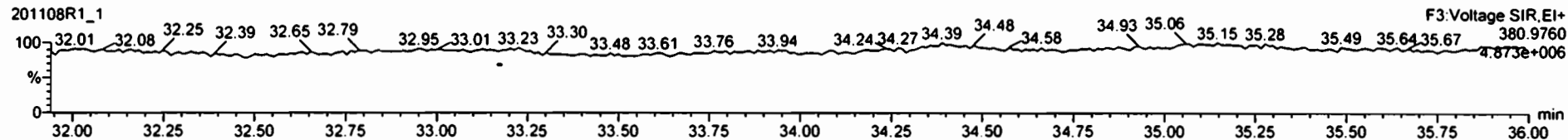
PFK1



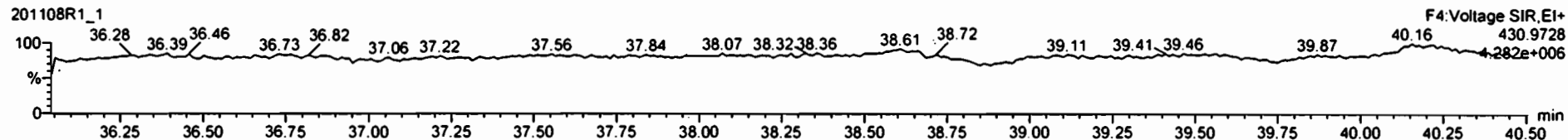
PFK2



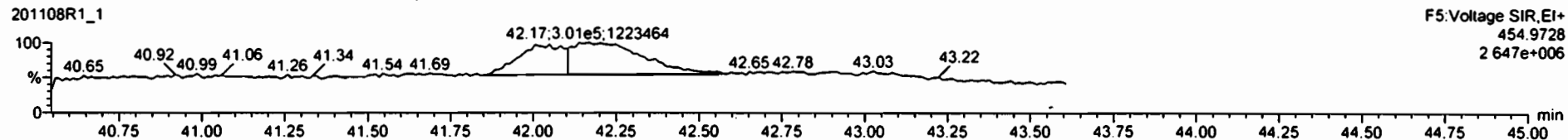
PFK3



PFK4



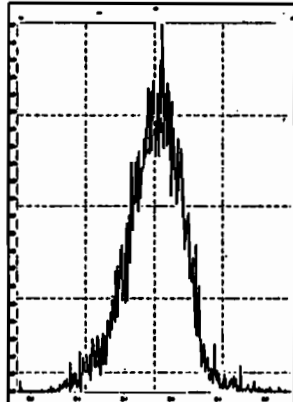
PFK5



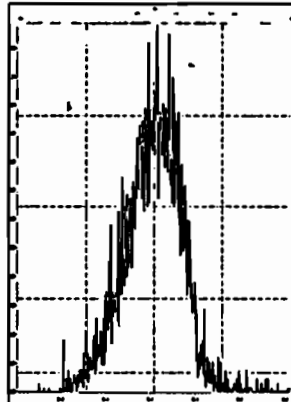
File: Experiment: OCDD\_DB5\_2.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Monday, November 09, 2020 07:00:34 Pacific Standard Time

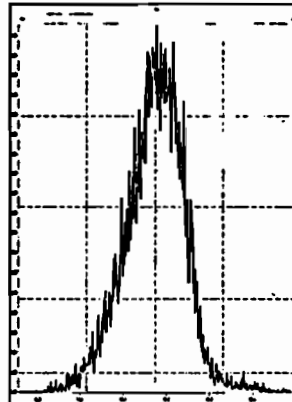
M 292.9824 R 11626



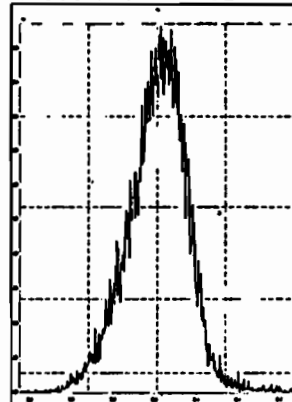
M 304.9824 R 11683



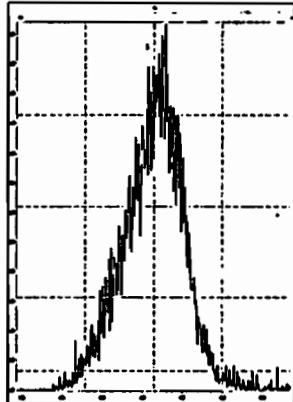
M 318.9792 R 10592



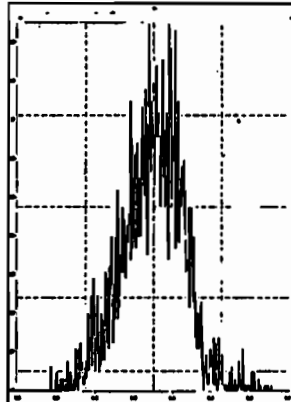
M 330.9792 R 10284



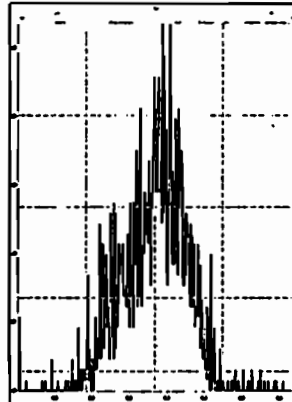
M 342.9792 R 10376



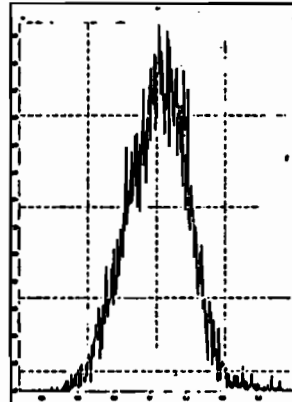
M 354.9792 R 11516



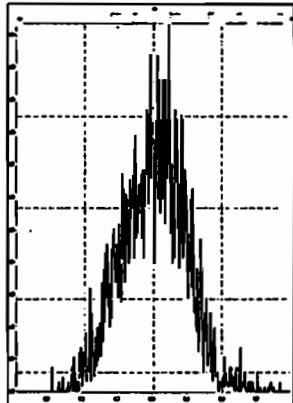
M 366.9792 R 11902



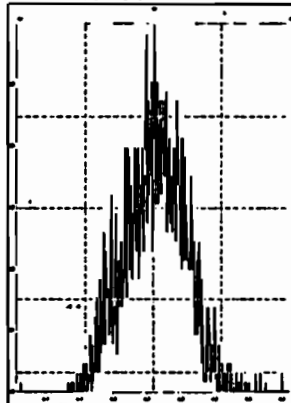
M 380.9760 R 10870



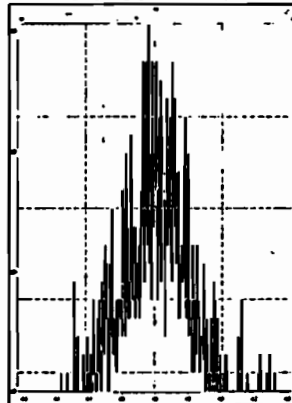
M 392.9760 R 10119



M 404.9760 R 11013



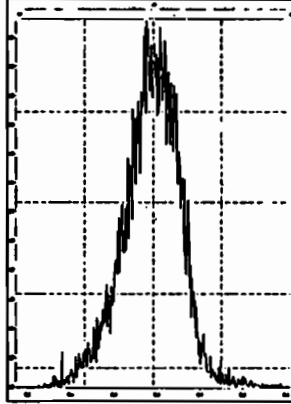
M 416.9760 R 14537



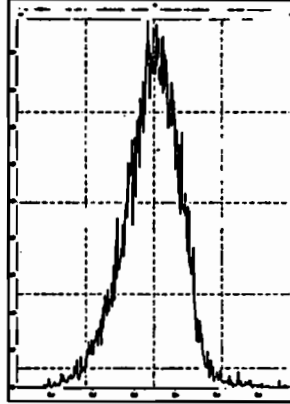
File: Experiment: OCDD\_DB5\_2.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Monday, November 09, 2020 07:01:24 Pacific Standard Time

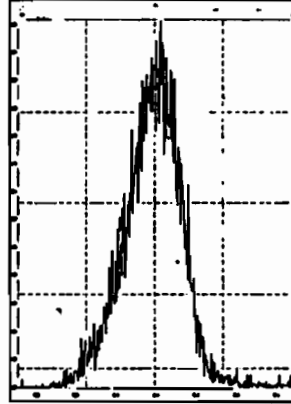
M 318.9792 R 10504



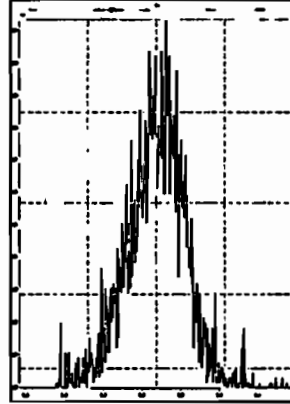
M 330.9792 R 11064



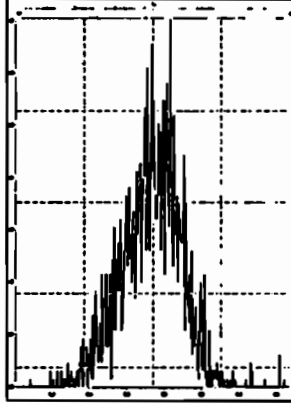
M 342.9792 R 11467



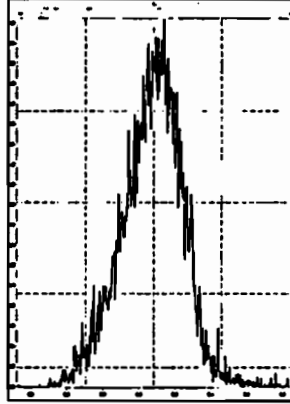
M 354.9792 R 12138



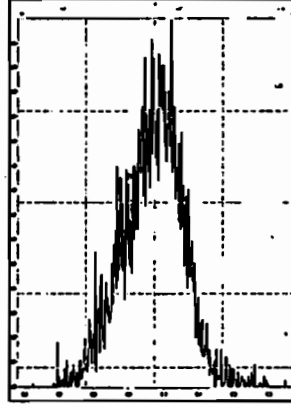
M 366.9792 R 12820



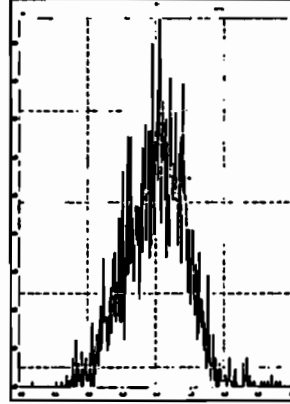
M 380.9760 R 10546



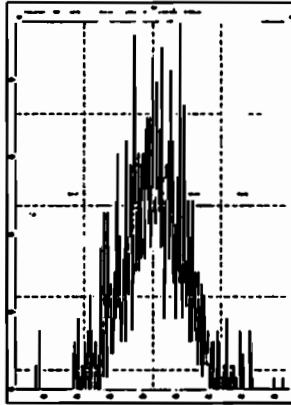
M 392.9760 R 10503



M 404.9760 R 11734



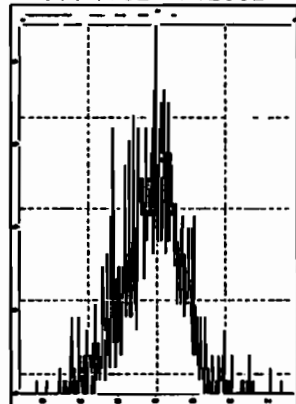
M 416.9760 R 12499



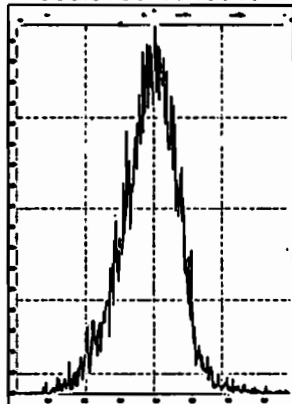
File: Experiment: OCDD\_DB5\_2.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Monday, November 09, 2020 07:01:53 Pacific Standard Time

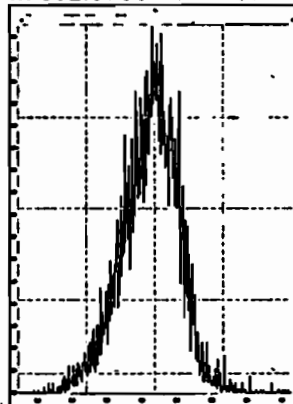
M 366.9792 R 12562



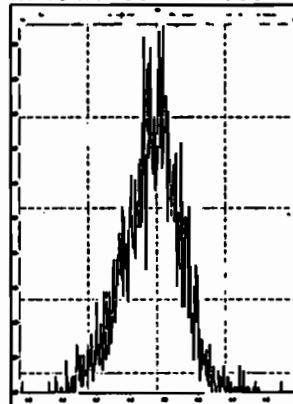
M 380.9760 R 10919



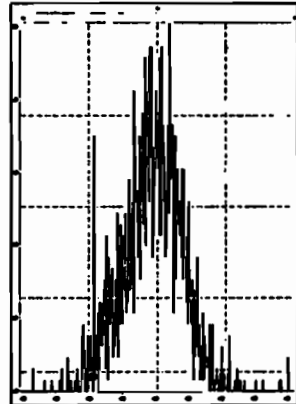
M 392.9760 R 11737



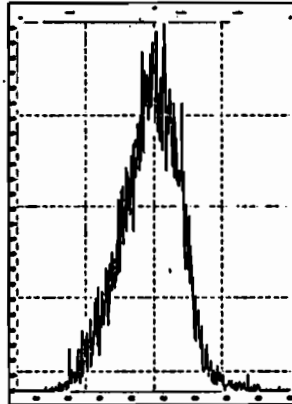
M 404.9760 R 11959



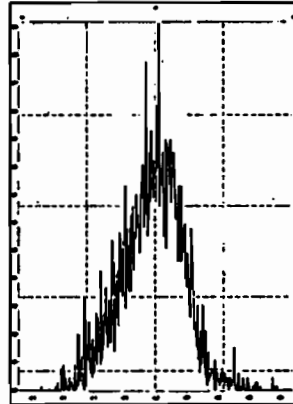
M 416.9760 R 12437



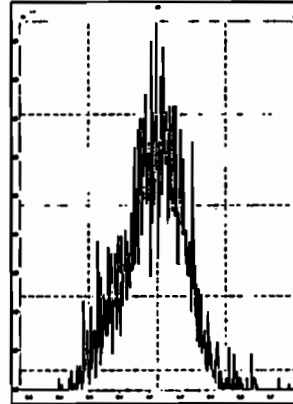
M 430.9728 R 10867



M 442.9728 R 11363



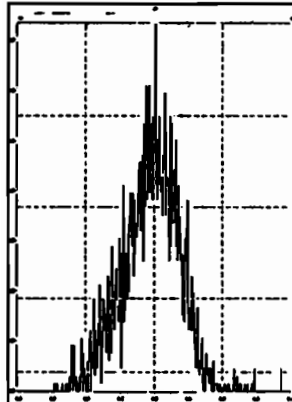
M 454.9728 R,10915



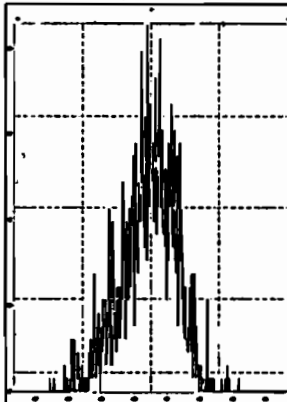
File: Experiment: OCDD\_DB5\_2.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Monday, November 09, 2020 07:02:30 Pacific Standard Time

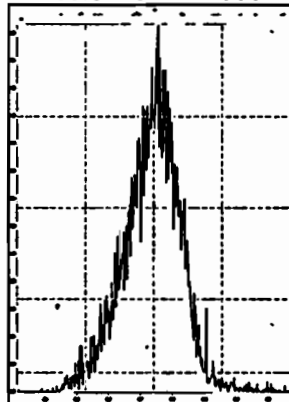
M 404.9760 R 13591



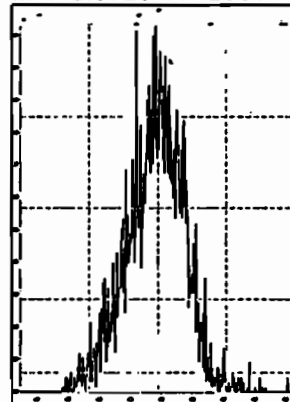
M 416.9760 R 13588



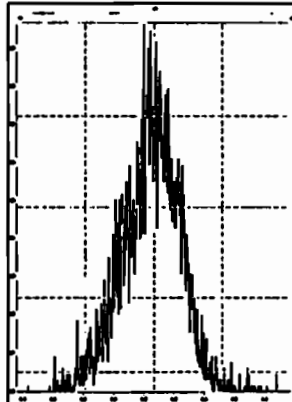
M 430.9728 R 11065



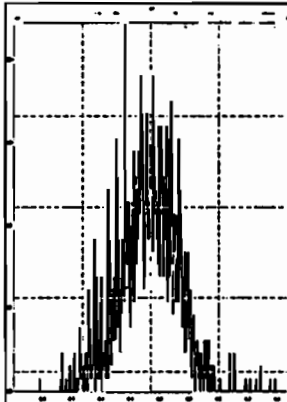
M 442.9728 R 12501



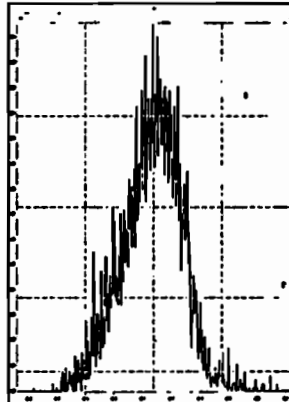
M 454.9728 R 11685



M 466.9728 R 14041



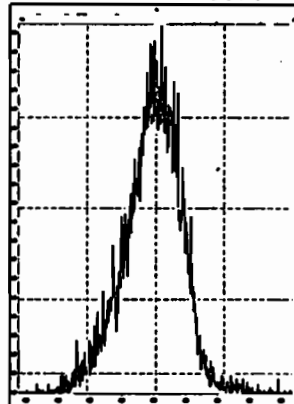
M 480.9696 R 10967



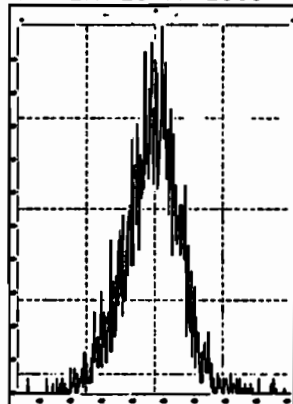
File: Experiment: OCDD\_DB5\_2.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Monday, November 09, 2020 07:02:52 Pacific Standard Time

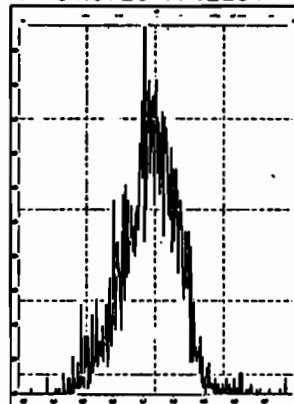
M 430.9728 R 10870



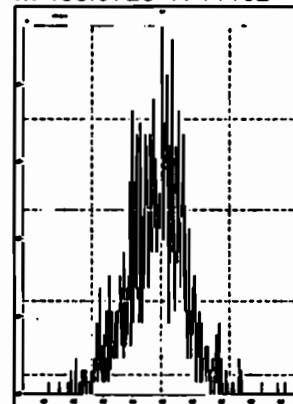
M 442.9728 R 12565



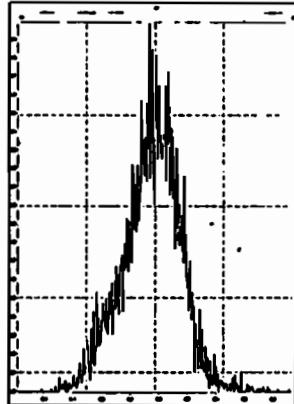
M 454.9728 R 12251



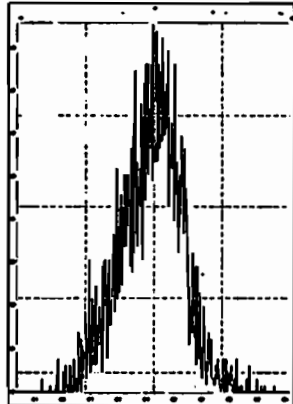
M 466.9728 R 11162



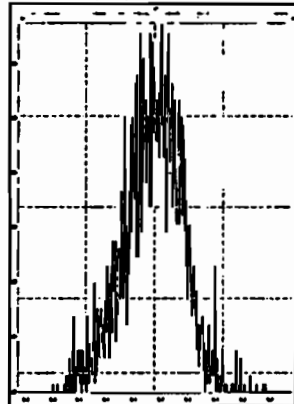
M 480.9696 R 10460



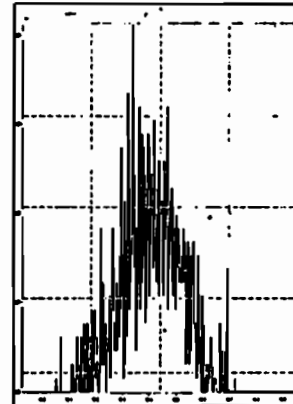
M 492.9696 R 11907



M 504.9696 R 12563



M 516.9697 R 13589





# HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

**Beg. Calibration ID:** ST201026K1-1

**Reviewed By:** HN 10/27/2020  
*Initials & Date*

**End Calibration ID:** NA

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

**Mass resolution ≥**  
 5k    6-8K    8K    10K  
 1614   1699   429   1613/1668/8280

**Intergrated peaks display correctly?**       NA

**GC Break <20%**    NA

**8280 CS1 End Standard:**

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

**Comments:**

Dataset: U:\VG11.PRO\Results\201026K1\201026K1-1.qld

Last Altered: Monday, October 26, 2020 11:18:58 Pacific Daylight Time  
Printed: Monday, October 26, 2020 11:19:14 Pacific Daylight Time

*Handwritten:*  
HL 10/26/2020  
HW 10/27/2020

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_10-24-20.mdb 24 Oct 2020 13:45:57  
Calibration: U:\VG11.PRO\CurveDB\vb1\_PCBvg11-6-1-20.cdb 02 Jun 2020 10:21:16

Name: 201026K1\_1, Date: 26-Oct-2020, Time: 09:33:41, ID: ST201026K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1	1.17e6	3.16	NO	1.17	1.000	15.58	15.59	1.001	1.001	NO	56.42	113	0.0147	56.42
2	2 PCB-2	1.20e6	3.20	NO	1.18	1.000	18.00	18.00	0.988	0.988	NO	55.25	110	0.0148	55.25
3	3 PCB-3	1.18e6	3.17	NO	1.15	1.000	18.22	18.23	1.001	1.001	NO	56.25	113	0.0152	56.25
4	4 PCB-4/10	2.17e6	1.58	NO	1.25	1.000	19.65	19.65	1.004	1.004	NO	119.3	119	0.0719	119.3
5	5 PCB-7/9	2.65e6	1.57	NO	0.960	1.000	21.46	21.46	1.003	1.003	NO	118.4	118	0.0590	118.4
6	6 PCB-6	1.40e6	1.59	NO	1.02	1.000	22.11	22.11	1.033	1.033	NO	58.74	117	0.0553	58.74
7	7 PCB-5/8	2.75e6	1.57	NO	0.992	1.000	22.52	22.52	1.052	1.052	NO	118.9	119	0.0570	118.9
8	8 PCB-14	1.40e6	1.59	NO	1.02	1.000	23.65	23.66	0.951	0.952	NO	60.57	121	0.0586	60.57
9	9 PCB-11	1.49e6	1.58	NO	1.13	1.000	24.88	24.88	1.001	1.001	NO	58.12	116	0.0529	58.12
10	10 PCB-12/13	2.77e6	1.59	NO	1.03	1.000	25.31	25.25	1.018	1.016	NO	118.9	119	0.0580	118.9
11	11 PCB-15	1.41e6	1.62	NO	1.03	1.000	25.60	25.60	1.030	1.030	NO	60.07	120	0.0576	60.07
12	12 PCB-19	5.69e5	1.05	NO	1.11	1.000	23.84	23.84	1.001	1.001	NO	53.88	108	0.0322	53.88
13	13 PCB-30	9.22e5	1.05	NO	1.79	1.000	24.74	24.75	1.039	1.040	NO	53.85	108	0.0198	53.85
14	14 PCB-18	6.11e5	1.04	NO	0.818	1.000	25.52	25.52	0.952	0.952	NO	54.41	109	0.0303	54.41
15	15 PCB-17	5.88e5	1.05	NO	0.758	1.000	25.70	25.70	0.959	0.959	NO	56.41	113	0.0326	56.41
16	16 PCB-24/27	1.61e6	1.05	NO	1.08	1.000	26.30	26.29	0.981	0.981	NO	108.1	108	0.0229	108.1
17	17 PCB-16/32	1.39e6	1.04	NO	0.925	1.000	26.83	26.83	1.001	1.001	NO	109.0	109	0.0268	109.0
18	18 PCB-34	1.27e6	1.03	NO	0.945	1.000	27.64	27.64	0.959	0.959	NO	59.70	119	0.0525	59.70
19	19 PCB-23	1.16e6	1.06	NO	0.883	1.000	27.73	27.73	0.962	0.962	NO	58.56	117	0.0562	58.56
20	20 PCB-29	1.21e6	1.02	NO	0.893	1.000	27.99	27.99	0.971	0.971	NO	60.43	121	0.0556	60.43
21	21 PCB-26	1.29e6	1.04	NO	0.944	1.000	28.22	28.22	0.979	0.979	NO	60.54	121	0.0526	60.54
22	22 PCB-25	1.28e6	1.05	NO	0.950	1.000	28.37	28.38	0.984	0.985	NO	59.69	119	0.0522	59.69
23	23 PCB-31	1.43e6	1.04	NO	1.04	1.000	28.75	28.74	0.997	0.997	NO	61.14	122	0.0479	61.14
24	24 PCB-28	1.41e6	1.05	NO	1.03	1.000	28.85	28.85	1.001	1.001	NO	61.05	122	0.0484	61.05
25	25 PCB-20/21/33	3.82e6	1.04	NO	0.941	1.000	29.49	29.48	1.023	1.023	NO	180.3	120	0.0527	180.3
26	26 PCB-22	1.32e6	1.03	NO	0.973	1.000	29.93	29.93	1.038	1.038	NO	60.14	120	0.0510	60.14
27	27 PCB-36	1.38e6	1.05	NO	1.08	1.000	30.58	30.58	0.931	0.931	NO	61.16	122	0.0518	61.16
28	28 PCB-39	1.26e6	1.05	NO	0.988	1.000	31.08	31.06	0.947	0.946	NO	60.55	121	0.0565	60.55
29	29 PCB-38	1.32e6	1.05	NO	1.05	1.000	31.86	31.86	0.970	0.971	NO	59.77	120	0.0530	59.77
30	30 PCB-35	1.34e6	1.06	NO	1.04	1.000	32.41	32.40	0.987	0.987	NO	60.85	122	0.0535	60.85
31	31 PCB-37	1.31e6	1.05	NO	1.01	1.000	32.85	32.85	1.001	1.001	NO	61.55	123	0.0553	61.55
32	32 PCB-54	7.74e5	0.78	NO	1.08	1.000	27.68	27.68	1.001	1.001	NO	55.62	111	0.0365	55.62

Dataset: U:\VG11.PRO\Results\201026K1\201026K1-1.qld

Last Altered: Monday, October 26, 2020 11:18:58 Pacific Daylight Time  
Printed: Monday, October 26, 2020 11:19:14 Pacific Daylight Time

Name: 201026K1\_1, Date: 26-Oct-2020, Time: 09:33:41, ID: ST201026K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
33	33 PCB-50	6.49e5	0.78	NO	0.880	1.000	28.89	28.89	1.044	1.044	NO	57.23	114	0.0448	57.23
34	34 PCB-53	5.97e5	0.78	NO	0.997	1.000	29.56	29.56	0.944	0.944	NO	56.68	113	0.0484	56.68
35	35 PCB-51	6.40e5	0.78	NO	1.07	1.000	29.92	29.91	0.955	0.955	NO	56.80	114	0.0453	56.80
36	36 PCB-45	5.26e5	0.78	NO	0.858	1.000	30.36	30.36	0.969	0.969	NO	57.94	116	0.0562	57.94
37	37 PCB-46	4.93e5	0.79	NO	0.831	1.000	30.86	30.86	0.985	0.985	NO	56.18	112	0.0581	56.18
38	38 PCB-52/69	1.38e6	0.78	NO	1.17	1.000	31.36	31.36	1.001	1.001	NO	111.9	112	0.0413	111.9
39	39 PCB-73	8.87e5	0.77	NO	1.44	1.000	31.48	31.47	1.005	1.005	NO	58.15	116	0.0334	58.15
40	40 PCB-43/49	1.22e6	0.78	NO	1.02	1.000	31.65	31.64	1.010	1.010	NO	113.3	113	0.0475	113.3
41	41 PCB-47	6.41e5	0.78	NO	0.922	1.000	31.86	31.86	1.001	1.001	NO	61.07	122	0.0489	61.07
42	42 PCB-48/75	1.39e6	0.78	NO	1.12	1.000	31.98	31.98	1.004	1.004	NO	108.8	109	0.0402	108.8
43	43 PCB-65	8.21e5	0.78	NO	1.28	1.000	32.26	32.26	1.013	1.013	NO	56.25	112	0.0352	56.25
44	44 PCB-62	7.15e5	0.77	NO	1.13	1.000	32.35	32.37	1.016	1.016	NO	55.67	111	0.0400	55.67
45	45 PCB-44	5.32e5	0.77	NO	0.824	1.000	32.68	32.68	1.026	1.026	NO	56.66	113	0.0547	56.66
46	46 PCB-42/59	1.33e6	0.78	NO	1.05	1.000	32.91	32.91	1.033	1.033	NO	111.4	111	0.0429	111.4
47	47 PCB-41/64/71/72	2.95e6	0.79	NO	1.19	1.000	33.52	33.52	1.053	1.053	NO	218.5	109	0.0380	218.5
48	48 PCB-68	7.94e5	0.78	NO	1.28	1.000	33.78	33.80	1.061	1.061	NO	54.56	109	0.0353	54.56
49	49 PCB-40	3.99e5	0.78	NO	0.602	1.000	34.00	34.00	1.067	1.068	NO	58.21	116	0.0749	58.21
50	50 PCB-57	8.49e5	0.79	NO	1.16	1.000	34.39	34.38	0.969	0.969	NO	56.10	112	0.0342	56.10
51	51 PCB-67	8.31e5	0.79	NO	1.08	1.000	34.69	34.69	0.978	0.978	NO	58.93	118	0.0367	58.93
52	52 PCB-58	8.35e5	0.79	NO	1.20	1.000	34.82	34.82	0.982	0.982	NO	53.34	107	0.0330	53.34
53	53 PCB-63	7.90e5	0.79	NO	1.07	1.000	34.97	34.97	0.986	0.986	NO	56.64	113	0.0371	56.64
54	54 PCB-74	8.55e5	0.78	NO	1.19	1.000	35.28	35.27	0.994	0.994	NO	55.45	111	0.0336	55.45
55	55 PCB-61/70	1.57e6	0.78	NO	1.05	1.000	35.49	35.42	1.000	0.998	NO	114.5	115	0.0377	114.5
56	56 PCB-76/66	1.70e6	0.78	NO	1.16	1.000	35.68	35.70	1.006	1.006	NO	112.4	112	0.0342	112.4
57	57 PCB-80	8.85e5	0.78	NO	1.19	1.000	35.95	35.94	1.001	1.001	NO	55.75	111	0.0329	55.75
58	58 PCB-55	8.93e5	0.77	NO	1.17	1.000	36.28	36.26	1.010	1.009	NO	57.14	114	0.0334	57.14
59	59 PCB-56/60	1.51e6	0.78	NO	1.02	1.000	36.77	36.76	1.024	1.023	NO	111.0	111	0.0384	111.0
60	60 PCB-79	8.32e5	0.79	NO	1.14	1.000	37.90	37.88	1.055	1.054	NO	54.64	109	0.0343	54.64
61	61 PCB-78	7.88e5	0.78	NO	1.14	1.000	38.60	38.60	0.987	0.987	NO	56.12	112	0.0388	56.12
62	62 PCB-81	6.89e5	0.78	NO	1.05	1.000	39.14	39.14	1.000	1.000	NO	53.25	106	0.0422	53.25
63	63 PCB-77	7.47e5	0.77	NO	1.14	1.000	39.76	39.75	1.000	1.000	NO	55.36	111	0.0403	55.36
64	64 PCB-104	4.76e5	1.62	NO	1.12	1.000	32.54	32.53	1.001	1.001	NO	54.83	110	0.0361	54.83
65	65 PCB-96	4.70e5	1.58	NO	1.15	1.000	33.84	33.84	1.041	1.041	NO	52.64	105	0.0352	52.64
66	66 PCB-103	3.76e5	1.62	NO	0.936	1.000	34.40	34.40	1.058	1.058	NO	51.92	104	0.0433	51.92
67	67 PCB-100	3.82e5	1.61	NO	0.954	1.000	34.77	34.77	1.069	1.069	NO	51.74	103	0.0425	51.74
68	68 PCB-94	3.01e5	1.60	NO	0.949	1.000	35.25	35.25	0.985	0.985	NO	51.44	103	0.0550	51.44

75-125%

Dataset: U:\VG11.PRO\Results\201026K1\201026K1-1.qld

Last Altered: Monday, October 26, 2020 11:18:58 Pacific Daylight Time  
Printed: Monday, October 26, 2020 11:19:14 Pacific Daylight Time

Name: 201026K1\_1, Date: 26-Oct-2020, Time: 09:33:41, ID: ST201026K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
69	69 PCB-95/98/102	1.16e6	1.60	NO	1.20	1.000	35.72	35.74	0.999	0.999	NO	155.7	104	0.0434	155.7
70	70 PCB-93	3.05e5	1.64	NO	0.935	1.000	35.87	35.88	1.003	1.003	NO	52.91	106	0.0559	52.91
71	71 PCB-88/91	6.80e5	1.59	NO	1.06	1.000	36.20	36.20	1.012	1.012	NO	103.6	104	0.0491	103.6
72	72 PCB-121	5.41e5	1.61	NO	1.71	1.000	36.31	36.31	1.015	1.015	NO	51.34	103	0.0306	51.34
73	73 PCB-84/92	6.53e5	1.60	NO	1.02	1.000	37.15	37.15	0.990	0.990	NO	108.8	109	0.0534	108.8
74	74 PCB-89	3.48e5	1.60	NO	1.11	1.000	37.34	37.34	0.995	0.995	NO	53.41	107	0.0492	53.41
75	75 PCB-90/101	6.91e5	1.64	NO	1.12	1.000	37.53	37.54	1.000	1.000	NO	104.4	104	0.0484	104.4
76	76 PCB-113	4.65e5	1.62	NO	1.51	1.000	37.78	37.80	1.007	1.007	NO	52.09	104	0.0359	52.09
77	77 PCB-99	4.20e5	1.62	NO	1.32	1.000	37.88	37.89	1.010	1.010	NO	53.95	108	0.0412	53.95
78	78 PCB-119	4.77e5	1.64	NO	1.81	1.000	38.36	38.36	0.987	0.987	NO	51.18	102	0.0346	51.18
79	79 PCB-108/112	8.02e5	1.59	NO	1.44	1.000	38.52	38.53	0.991	0.991	NO	107.6	108	0.0432	107.6
80	80 PCB-83	4.90e5	1.61	NO	1.83	1.000	38.69	38.69	0.996	0.996	NO	51.91	104	0.0341	51.91
81	81 PCB-97	3.46e5	1.61	NO	1.28	1.000	38.88	38.90	1.000	1.001	NO	52.27	105	0.0487	52.27
82	82 PCB-86	3.14e5	1.61	NO	1.12	1.000	39.05	39.05	1.005	1.005	NO	54.54	109	0.0558	54.54
83	83 PCB-87/117/125	1.29e6	1.59	NO	1.56	1.000	39.17	39.18	1.008	1.008	NO	160.5	107	0.0400	160.5
84	84 PCB-111/115	9.94e5	1.61	NO	1.91	1.000	39.33	39.35	1.012	1.012	NO	100.9	101	0.0327	100.9
85	85 PCB-85/116	7.81e5	1.63	NO	1.41	1.000	39.46	39.46	1.015	1.015	NO	107.3	107	0.0442	107.3
86	86 PCB-120	5.33e5	1.61	NO	2.01	1.000	39.72	39.72	1.022	1.022	NO	51.55	103	0.0311	51.55
87	87 PCB-110	4.85e5	1.64	NO	1.74	1.000	39.87	39.87	1.026	1.026	NO	53.90	108	0.0358	53.90
88	88 PCB-82	2.82e5	1.59	NO	0.781	1.000	40.50	40.50	0.975	0.975	NO	53.26	107	0.0592	53.26
89	89 PCB-124	4.78e5	1.60	NO	1.40	1.000	41.21	41.22	0.993	0.993	NO	50.55	101	0.0331	50.55
90	90 PCB-107/109	9.82e5	1.61	NO	1.34	1.000	41.35	41.37	0.996	0.996	NO	108.0	108	0.0345	108.0
91	91 PCB-123	4.36e5	1.59	NO	1.20	1.000	41.54	41.54	1.000	1.000	NO	53.68	107	0.0386	53.68
92	92 PCB-106/118	9.23e5	1.61	NO	1.22	1.000	41.75	41.76	1.001	1.001	NO	109.0	109	0.0374	109.0
93	93 PCB-114	8.67e5	1.58	NO	1.14	1.000	42.41	42.40	1.000	1.000	NO	58.29	117	0.0300	58.29
94	94 PCB-122	7.63e5	1.61	NO	0.944	1.000	42.55	42.54	1.004	1.004	NO	61.99	124	0.0362	61.99
95	95 PCB-105	7.96e5	1.58	NO	1.05	1.000	43.29	43.29	1.000	1.000	NO	56.87	114	0.0321	56.87
96	96 PCB-127	8.38e5	1.62	NO	1.06	1.000	43.65	43.65	1.000	1.000	NO	57.79	116	0.0313	57.79
97	97 PCB-126	7.98e5	1.58	NO	1.17	1.000	45.61	45.61	1.000	1.000	NO	57.54	115	0.0329	57.54
98	98 PCB-155	2.27e5	1.29	NO	1.04	1.000	37.07	37.07	1.000	1.000	NO	52.01	104	0.0376	52.01
99	99 PCB-150	2.41e5	1.33	NO	1.08	1.000	38.38	38.38	1.036	1.036	NO	53.24	106	0.0362	53.24
100	1... PCB-152	2.69e5	1.31	NO	1.19	1.000	38.86	38.86	1.049	1.049	NO	54.37	109	0.0330	54.37
101	1... PCB-145	2.63e5	1.33	NO	1.19	1.000	39.33	39.33	1.061	1.061	NO	52.95	106	0.0330	52.95
102	1... PCB-136	2.26e5	1.32	NO	1.02	1.000	39.66	39.66	1.070	1.070	NO	52.93	106	0.0384	52.93
103	1... PCB-148	1.86e5	1.34	NO	0.842	1.000	39.77	39.77	1.073	1.073	NO	52.97	106	0.0466	52.97
104	1... PCB-154	1.97e5	1.31	NO	0.919	1.000	40.28	40.29	1.087	1.087	NO	51.42	103	0.0427	51.42

75-127

Dataset: U:\VG11.PRO\Results\201026K1\201026K1-1.qld

Last Altered: Monday, October 26, 2020 11:18:58 Pacific Daylight Time  
Printed: Monday, October 26, 2020 11:19:14 Pacific Daylight Time

Name: 201026K1\_1, Date: 26-Oct-2020, Time: 09:33:41, ID: ST201026K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
105	1... PCB-151	1.71e5	1.31	NO	0.787	1.000	40.95	40.95	1.105	1.105	NO	52.13	104	0.0498	52.13
106	1... PCB-135	1.92e5	1.30	NO	0.922	1.000	41.17	41.17	1.111	1.111	NO	49.72	99.4	0.0425	49.72
107	1... PCB-144	1.81e5	1.31	NO	0.789	1.000	41.28	41.28	1.114	1.114	NO	54.98	110	0.0497	54.98
108	1... PCB-147	1.75e5	1.33	NO	0.834	1.000	41.41	41.41	1.117	1.118	NO	50.33	101	0.0470	50.33
109	1... PCB-139/149	3.99e5	1.31	NO	0.948	1.000	41.70	41.69	1.125	1.125	NO	100.8	101	0.0414	100.8
110	1... PCB-140	1.77e5	1.28	NO	0.794	1.000	41.88	41.88	1.130	1.130	NO	53.41	107	0.0494	53.41
111	1... PCB-134/143	8.51e5	1.25	NO	0.759	1.000	42.33	42.33	0.974	0.974	NO	114.7	115	0.0639	114.7
112	1... PCB-131/133	9.02e5	1.26	NO	0.821	1.000	42.65	42.63	0.982	0.981	NO	112.4	112	0.0591	112.4
113	1... PCB-142	4.07e5	1.25	NO	0.754	1.000	42.81	42.80	0.985	0.985	NO	55.22	110	0.0643	55.22
114	1... PCB-146/165	1.08e6	1.27	NO	1.02	1.000	43.05	43.03	0.991	0.990	NO	108.7	109	0.0477	108.7
115	1... PCB-132/161	1.07e6	1.28	NO	1.02	1.000	43.29	43.28	0.997	0.996	NO	106.6	107	0.0474	106.6
116	1... PCB-153	5.59e5	1.24	NO	1.07	1.000	43.46	43.47	1.000	1.000	NO	53.42	107	0.0453	53.42
117	1... PCB-168	5.56e5	1.23	NO	1.08	1.000	43.69	43.69	1.006	1.006	NO	52.81	106	0.0450	52.81
118	1... PCB-141	4.46e5	1.27	NO	1.03	1.000	44.22	44.22	1.000	1.000	NO	55.78	112	0.0604	55.78
119	1... PCB-137	4.63e5	1.24	NO	1.11	1.000	44.62	44.62	1.009	1.009	NO	53.47	107	0.0559	53.47
120	1... PCB-130	3.91e5	1.26	NO	0.885	1.000	44.71	44.73	1.012	1.012	NO	56.59	113	0.0701	56.59
121	1... PCB-138/163/164	1.71e6	1.26	NO	1.28	1.000	45.11	45.11	1.001	1.001	NO	161.0	107	0.0448	161.0
122	1... PCB-158/160	1.10e6	1.26	NO	1.24	1.000	45.38	45.36	1.007	1.006	NO	107.2	107	0.0464	107.2
123	1... PCB-129	3.76e5	1.25	NO	0.867	1.000	45.61	45.61	1.012	1.012	NO	52.53	105	0.0664	52.53
124	1... PCB-166	5.82e5	1.26	NO	1.14	1.000	46.08	46.08	0.993	0.993	NO	51.63	103	0.0439	51.63
125	1... PCB-159	6.44e5	1.24	NO	1.22	1.000	46.43	46.42	1.001	1.000	NO	53.65	107	0.0413	53.65
126	1... PCB-128/162	9.81e5	1.24	NO	0.907	1.000	46.71	46.72	1.007	1.007	NO	109.7	110	0.0553	109.7
127	1... PCB-167	4.86e5	1.25	NO	1.11	1.000	47.12	47.12	1.000	1.000	NO	52.77	106	0.0538	52.77
128	1... PCB-156	5.52e5	1.27	NO	1.13	1.000	48.45	48.47	1.000	1.001	NO	54.14	108	0.0495	54.14
129	1... PCB-157	5.10e5	1.24	NO	1.04	1.000	48.73	48.73	1.000	1.000	NO	54.68	109	0.0528	54.68
130	1... PCB-169	5.27e5	1.28	NO	1.16	1.000	51.01	51.01	1.000	1.000	NO	54.89	110	0.0529	54.89
131	1... PCB-188	4.73e5	1.01	NO	1.29	1.000	43.11	43.09	1.001	1.000	NO	54.55	109	0.0685	54.55
132	1... PCB-184	4.69e5	1.04	NO	1.23	1.000	43.56	43.54	1.011	1.011	NO	56.65	113	0.0718	56.65
133	1... PCB-179	4.66e5	1.07	NO	1.30	1.000	44.36	44.34	1.030	1.029	NO	53.36	107	0.0681	53.36
134	1... PCB-176	4.76e5	1.07	NO	1.31	1.000	44.85	44.83	1.041	1.041	NO	54.14	108	0.0676	54.14
135	1... PCB-186	4.87e5	1.08	NO	1.33	1.000	45.47	45.45	1.056	1.055	NO	54.53	109	0.0665	54.53
136	1... PCB-178	3.40e5	1.07	NO	0.943	1.000	45.99	45.97	1.068	1.067	NO	53.62	107	0.0937	53.62
137	1... PCB-175	3.51e5	1.02	NO	0.956	1.000	46.35	46.33	1.076	1.076	NO	54.58	109	0.0924	54.58
138	1... PCB-182/187	7.76e5	1.04	NO	1.07	1.000	46.52	46.50	1.080	1.080	NO	108.3	108	0.0829	108.3
139	1... PCB-183	3.72e5	1.07	NO	1.02	1.000	46.84	46.84	1.088	1.088	NO	54.11	108	0.0864	54.11
140	1... PCB-185	3.33e5	1.07	NO	1.41	1.000	47.50	47.50	0.955	0.955	NO	53.63	107	0.0956	53.63

75-1257

Dataset: U:\VG11.PRO\Results\201026K1\201026K1-1.qld

Last Altered: Monday, October 26, 2020 11:18:58 Pacific Daylight Time

Printed: Monday, October 26, 2020 11:19:14 Pacific Daylight Time

Name: 201026K1\_1, Date: 26-Oct-2020, Time: 09:33:41, ID: ST201026K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
141	1... PCB-174	3.12e5	1.06	NO	1.35	1.000	47.87	47.88	0.962	0.962	NO	52.26	105	0.0993	52.26
142	1... PCB-181	3.40e5	1.07	NO	1.47	1.000	47.98	47.99	0.964	0.965	NO	52.22	104	0.0912	52.22
143	1... PCB-177	3.09e5	1.08	NO	1.28	1.000	48.16	48.16	0.968	0.968	NO	54.78	110	0.105	54.78
144	1... PCB-171	3.11e5	1.05	NO	1.32	1.000	48.47	48.47	0.974	0.974	NO	53.55	107	0.102	53.55
145	1... PCB-173	2.84e5	1.04	NO	1.19	1.000	48.89	48.90	0.983	0.983	NO	54.13	108	0.113	54.13
146	1... PCB-172	3.30e5	1.07	NO	1.38	1.000	49.36	49.38	0.992	0.992	NO	54.33	109	0.0977	54.33
147	1... PCB-192	4.17e5	1.05	NO	1.83	1.000	49.57	49.57	0.996	0.996	NO	51.69	103	0.0736	51.69
148	1... PCB-180	3.40e5	1.06	NO	1.41	1.000	49.78	49.79	1.000	1.001	NO	54.60	109	0.0952	54.60
149	1... PCB-193	3.86e5	1.04	NO	1.68	1.000	49.99	50.00	1.005	1.005	NO	52.12	104	0.0802	52.12
150	1... PCB-191	3.90e5	1.06	NO	1.71	1.000	50.25	50.27	1.010	1.010	NO	51.60	103	0.0786	51.60
151	1... PCB-170	2.85e5	1.06	NO	1.40	1.000	51.44	51.44	1.000	1.000	NO	55.13	110	0.109	55.13
152	1... PCB-190	3.63e5	1.07	NO	1.85	1.000	51.65	51.65	1.005	1.004	NO	53.16	106	0.0822	53.16
153	1... PCB-189	3.46e5	1.02	NO	1.45	1.000	53.15	53.15	1.000	1.000	NO	54.69	109	0.0771	54.69
154	1... PCB-202	2.76e5	0.91	NO	1.17	1.000	48.70	48.68	1.001	1.000	NO	52.07	104	0.0590	52.07
155	1... PCB-201	2.51e5	0.93	NO	1.05	1.000	49.17	49.17	1.010	1.011	NO	52.45	105	0.0654	52.45
156	1... PCB-204	2.73e5	0.95	NO	1.14	1.000	49.32	49.34	1.014	1.014	NO	52.70	105	0.0604	52.70
157	1... PCB-197	2.71e5	0.95	NO	1.13	1.000	49.63	49.64	1.020	1.020	NO	52.69	105	0.0608	52.69
158	1... PCB-200	2.52e5	0.94	NO	1.07	1.000	50.57	50.59	1.039	1.040	NO	51.95	104	0.0644	51.95
159	1... PCB-198	1.97e5	0.92	NO	0.794	1.000	52.12	52.14	1.071	1.072	NO	54.64	109	0.0868	54.64
160	1... PCB-199	1.85e5	0.92	NO	0.809	1.000	52.26	52.26	1.074	1.074	NO	50.26	101	0.0851	50.26
161	1... PCB-196/203	3.89e5	0.92	NO	0.838	1.000	52.55	52.56	1.080	1.080	NO	102.3	102	0.0822	102.3
162	1... PCB-195	3.35e5	0.89	NO	1.04	1.000	53.84	53.84	0.984	0.984	NO	54.59	109	0.0547	54.59
163	1... PCB-194	3.62e5	0.90	NO	1.12	1.000	54.75	54.75	1.000	1.000	NO	55.24	110	0.0512	55.24
164	1... PCB-205	4.18e5	0.92	NO	1.29	1.000	55.03	55.03	1.005	1.005	NO	55.17	110	0.0443	55.17
165	1... PCB-208	3.18e5	1.39	NO	0.933	1.000	53.99	53.99	1.000	1.000	NO	53.25	106	0.0490	53.25
166	1... PCB-207	3.24e5	1.34	NO	0.916	1.000	54.31	54.33	1.006	1.007	NO	55.35	111	0.0499	55.35
167	1... PCB-206	2.22e5	1.38	NO	1.01	1.000	56.29	56.29	1.000	1.000	NO	52.91	106	0.0665	52.91
168	1... PCB-209	2.15e5	1.21	NO	0.986	1.000	57.50	57.51	1.000	1.000	NO	53.11	106	0.0176	53.11
169	1... 13C-PCB-1	1.78e6	3.24	NO	0.893	1.000	15.58	15.57	0.609	0.609	NO	84.84	84.8	0.0655	
170	1... 13C-PCB-3	1.83e6	3.20	NO	0.911	1.000	18.22	18.21	0.712	0.712	NO	85.46	85.5	0.0642	
171	1... 13C-PCB-4	1.46e6	1.65	NO	0.600	1.000	19.59	19.57	0.766	0.765	NO	103.2	103	0.0470	
172	1... 13C-PCB-9	2.33e6	1.63	NO	0.970	1.000	21.40	21.40	0.837	0.837	NO	102.2	102	0.0291	
173	1... 13C-PCB-11	2.27e6	1.62	NO	0.962	1.000	24.86	24.86	0.972	0.972	NO	100.5	101	0.0293	
174	1... 13C-PCB-19	9.54e5	1.06	NO	0.499	1.000	23.82	23.81	0.931	0.931	NO	81.38	81.4	0.259	
175	1... 13C-PCB-32	1.37e6	1.07	NO	0.744	1.000	26.81	26.81	1.048	1.048	NO	78.55	78.6	0.174	
176	1... 13C-PCB-28	2.25e6	1.04	NO	1.06	1.000	28.83	28.83	1.004	1.004	NO	96.37	96.4	0.193	

Handwritten notes in blue ink: "75-1257" at the top, a vertical line with arrows pointing down, and "52-119" near the bottom.

Dataset: U:\VG11.PRO\Results\201026K1\201026K1-1.qld

Last Altered: Monday, October 26, 2020 11:18:58 Pacific Daylight Time

Printed: Monday, October 26, 2020 11:19:14 Pacific Daylight Time

Name: 201026K1\_1, Date: 26-Oct-2020, Time: 09:33:41, ID: ST201026K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
177	1... 13C-PCB-37	2.10e6	1.06	NO	0.989	1.000	32.81	32.83	1.143	1.143	NO	96.98	97.0	0.207	
178	1... 13C-PCB-54	1.29e6	0.80	NO	0.999	1.000	27.67	27.66	0.753	0.752	NO	100.2	100	0.0945	
179	1... 13C-PCB-52	1.06e6	0.78	NO	0.804	1.000	31.34	31.32	0.853	0.852	NO	102.1	102	0.117	
180	1... 13C-PCB-47	1.14e6	0.80	NO	0.857	1.000	31.87	31.85	0.867	0.866	NO	103.2	103	0.110	
181	1... 13C-PCB-70	1.30e6	0.80	NO	0.996	1.000	35.49	35.47	0.965	0.965	NO	101.5	101	0.0948	
182	1... 13C-PCB-80	1.34e6	0.80	NO	1.03	1.000	35.92	35.92	0.977	0.977	NO	101.1	101	0.0918	
183	1... 13C-PCB-81	1.24e6	0.80	NO	0.988	1.000	39.12	39.12	1.064	1.064	NO	97.22	97.2	0.0955	
184	1... 13C-PCB-77	1.19e6	0.82	NO	0.969	1.000	39.74	39.74	1.081	1.081	NO	95.13	95.1	0.0974	
185	1... 13C-PCB-104	7.73e5	1.66	NO	1.02	1.000	32.51	32.52	0.827	0.827	NO	104.4	104	0.0609	
186	1... 13C-PCB-95	6.16e5	1.63	NO	0.805	1.000	35.77	35.77	0.910	0.910	NO	105.0	105	0.0769	
187	1... 13C-PCB-101	5.89e5	1.61	NO	0.793	1.000	37.52	37.52	0.954	0.954	NO	102.0	102	0.0781	
188	1... 13C-PCB-97	5.16e5	1.64	NO	0.696	1.000	38.85	38.86	0.988	0.988	NO	101.6	102	0.0889	
189	1... 13C-PCB-123	6.78e5	1.66	NO	0.933	1.000	41.52	41.52	1.056	1.056	NO	99.63	99.6	0.0664	
190	1... 13C-PCB-118	6.95e5	1.71	NO	0.986	1.000	41.71	41.71	1.061	1.061	NO	96.66	96.7	0.0628	
191	1... 13C-PCB-114	1.30e6	1.57	NO	1.55	1.000	42.36	42.39	0.908	0.908	NO	121.8	122	0.0823	
192	1... 13C-PCB-105	1.33e6	1.60	NO	1.57	1.000	43.28	43.28	0.927	0.927	NO	122.5	122	0.0810	
193	1... 13C-PCB-127	1.37e6	1.61	NO	1.62	1.000	43.61	43.64	0.935	0.935	NO	121.8	122	0.0784	
194	1... 13C-PCB-126	1.18e6	1.61	NO	1.57	1.000	45.57	45.59	0.976	0.977	NO	109.1	109	0.0812	
195	1... 13C-PCB-155	4.18e5	1.31	NO	0.615	1.000	37.06	37.06	0.942	0.942	NO	93.21	93.2	0.0494	
196	1... 13C-PCB-153	9.77e5	1.25	NO	1.36	1.000	43.42	43.45	0.930	0.931	NO	103.5	104	0.0819	
197	1... 13C-PCB-141	7.79e5	1.27	NO	1.13	1.000	44.21	44.20	0.947	0.947	NO	99.88	99.9	0.0991	
198	1... 13C-PCB-138	8.26e5	1.27	NO	1.18	1.000	45.06	45.08	0.965	0.966	NO	100.8	101	0.0944	
199	1... 13C-PCB-159	9.86e5	1.29	NO	1.44	1.000	46.40	46.40	0.994	0.994	NO	99.02	99.0	0.0777	
200	2... 13C-PCB-167	8.30e5	1.25	NO	1.44	1.000	47.10	47.10	1.009	1.009	NO	83.33	83.3	0.0776	
201	2... 13C-PCB-156	9.05e5	1.29	NO	1.40	1.000	48.43	48.43	1.038	1.038	NO	93.65	93.7	0.0800	
202	2... 13C-PCB-157	8.99e5	1.29	NO	1.40	1.000	48.72	48.71	1.044	1.044	NO	92.99	93.0	0.0800	
203	2... 13C-PCB-169	8.29e5	1.29	NO	1.33	1.000	50.99	50.99	1.093	1.093	NO	90.06	90.1	0.0840	
204	2... 13C-PCB-188	6.72e5	0.46	NO	1.41	1.000	43.05	43.07	0.926	0.926	NO	98.85	98.8	0.0691	
205	2... 13C-PCB-180	4.42e5	0.46	NO	0.929	1.000	49.76	49.76	1.070	1.070	NO	98.53	98.5	0.105	
206	2... 13C-PCB-170	3.69e5	0.47	NO	0.794	1.000	51.42	51.42	1.106	1.106	NO	96.23	96.2	0.123	
207	2... 13C-PCB-189	4.35e5	0.46	NO	1.04	1.000	53.13	53.13	1.143	1.143	NO	86.30	86.3	0.0932	
208	2... 13C-PCB-202	4.54e5	0.93	NO	1.04	1.000	48.66	48.66	1.046	1.046	NO	90.79	90.8	0.0585	
209	2... 13C-PCB-194	5.88e5	0.91	NO	0.768	1.000	54.73	54.74	0.995	0.995	NO	100.8	101	0.0775	
210	2... 13C-PCB-208	6.40e5	0.79	NO	0.991	1.000	53.97	53.97	0.981	0.981	NO	85.08	85.1	0.0762	
211	2... 13C-PCB-206	4.16e5	0.81	NO	0.552	1.000	56.27	56.27	1.023	1.023	NO	99.31	99.3	0.137	
212	2... 13C-PCB-209	4.10e5	1.23	NO	0.396	1.000	57.52	57.50	1.046	1.045	NO	136.2	136	0.0360	

501457

47

Dataset: U:\VG11.PRO\Results\201026K1\201026K1-1.qld

Last Altered: Monday, October 26, 2020 11:18:58 Pacific Daylight Time  
Printed: Monday, October 26, 2020 11:19:14 Pacific Daylight Time

Name: 201026K1\_1, Date: 26-Oct-2020, Time: 09:33:41, ID: ST201026K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
213	2... 13C-PCB-15	2.35e6	1.59	NO	1.00	1.000	25.58	25.58	1.000	0.000	NO	100.0	100	0.0282	
214	2... 13C-PCB-31	2.19e6	1.04	NO	1.00	1.000	28.72	28.72	1.000	0.000	NO	100.0	100	0.205	
215	2... 13C-PCB-60	1.29e6	0.80	NO	1.00	1.000	36.74	36.76	1.000	0.000	NO	100.0	100	0.0944	
216	2... 13C-PCB-111	7.29e5	1.63	NO	1.00	1.000	39.33	39.33	1.000	0.000	NO	100.0	100	0.0619	
217	2... 13C-PCB-128	6.92e5	1.25	NO	1.00	1.000	46.67	46.67	1.000	0.000	NO	100.0	100	0.112	
218	2... 13C-PCB-182	4.83e5	0.45	NO	1.00	1.000	46.50	46.50	0.000	0.000	NO	100.0	100	0.0973	
219	2... 13C-PCB-205	7.59e5	0.93	NO	1.00	1.000	55.01	55.01	1.000	0.000	NO	100.0	100	0.0595	
220	2... 13C-PCB-79	1.37e6	0.79	NO	1.07	1.000	37.86	37.86	1.030	1.030	NO	99.89	99.9	0.0883	
221	2... 13C-PCB-178	4.59e5	0.47	NO	0.766	1.000	45.95	45.95	0.988	0.988	NO	86.51	86.5	0.0918	
222	2... 13C-PCB-79	1.37e6	0.79	NO	1.08	1.000	37.85	37.86	0.968	0.968	NO	102.7	103	0.0931	
223	2... 13C-PCB-178	4.59e5	0.47	NO	1.05	1.000	45.94	45.95	0.923	0.923	NO	98.86	98.9	0.106	

751137  
h



Dataset: Untitled

Last Altered: Tuesday, October 27, 2020 07:39:31 Pacific Daylight Time

Printed: Tuesday, October 27, 2020 07:39:47 Pacific Daylight Time

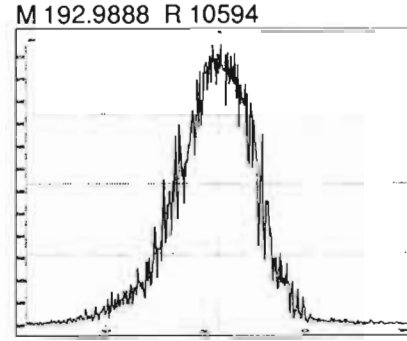
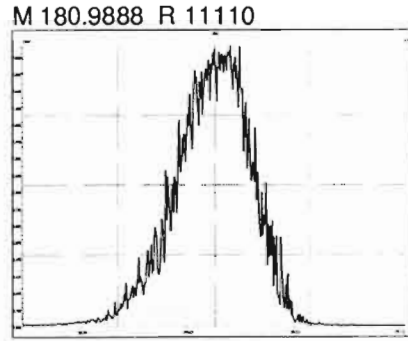
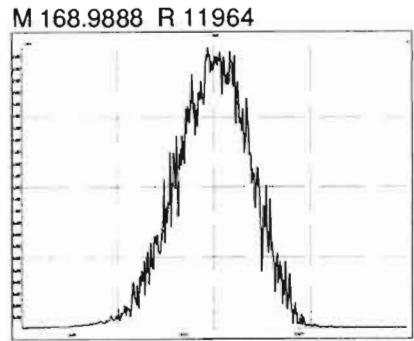
Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_10-24-20.mdb 24 Oct 2020 13:45:57  
Calibration: U:\VG11.PRO\CurveDB\cb1\_PCBvg11-6-1-20.cdb 02 Jun 2020 10:21:16

Compound name: PCB-1

	Name	ID	Acq.Date	Acq.Time
1	201026K1_1	ST201026K1-1 PCB 209 CS3 19G2609	26-Oct-20	09:33:41
2	201026K1_2	B0J0186-BS1 OPR 5	26-Oct-20	10:33:32
3	201026K1_3	SOLVENT BLANK	26-Oct-20	11:32:49
4	201026K1_4	B0J0186-BLK1 Method Blank 5	26-Oct-20	12:33:13
5	201026K1_5	2002097-05 SD-303-BULK_A 21.88	26-Oct-20	13:33:40
6	201026K1_6	2002097-06 SD-303-BULK_B 19.72	26-Oct-20	14:33:58
7	201026K1_7	2002097-07 SD-304-BULK_A 20.47	26-Oct-20	15:34:21
8	201026K1_8	2002097-08 SD-304-BULK_B 17.6	26-Oct-20	16:34:44
9	201026K1_9	2002097-09 SD-305-BULK_A 20.37	26-Oct-20	17:35:07
10	201026K1_10	2002097-10 SD-305-BULK_B 18.37	26-Oct-20	18:35:30
11	201026K1_11	2002114-01 NCPDI-062SG-00-10.7-201005 9	26-Oct-20	19:35:52
12	201026K1_12	2002114-02 NCPDI-063SG-00-11.7-201005 9....	26-Oct-20	20:36:13

File: Experiment: pcb\_zb1.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Monday, October 26, 2020 09:30:04 Pacific Daylight Time



M 204.9888 R 11846

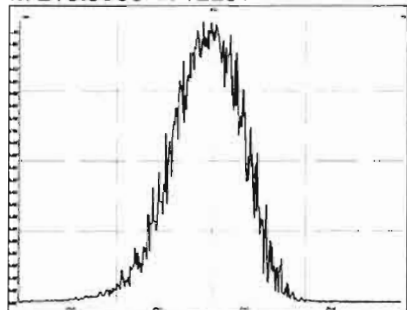
Experiment Calibration Report

MassLynx 4.1 SCN815

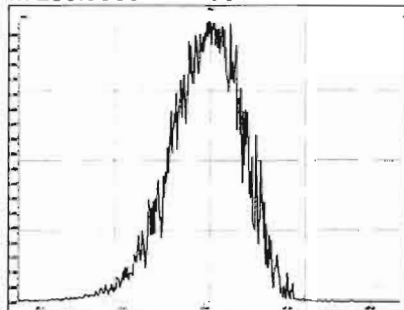
File: Experiment: pcb\_zb1.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Monday, October 26, 2020 09:30:45 Pacific Daylight Time

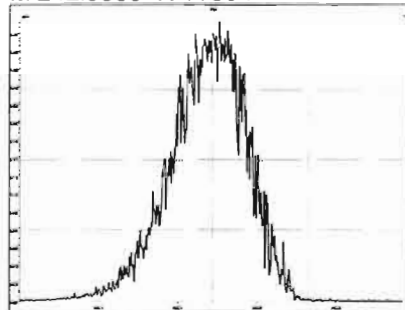
M 218.9856 R 12251



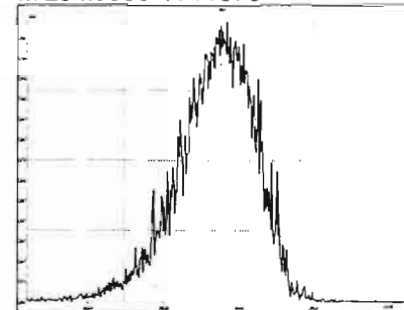
M 230.9856 R 12561



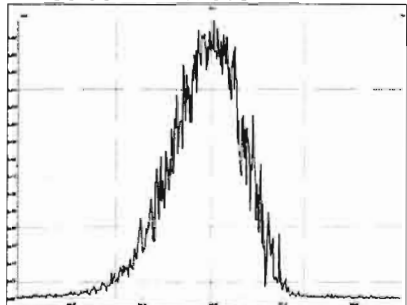
M 242.9856 R 11364



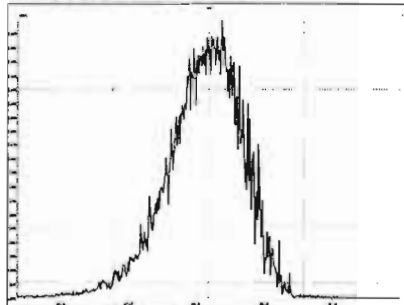
M 254.9856 R 11576



M 268.9824 R 12016



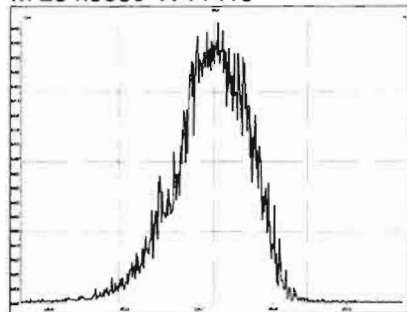
M 280.9824 R 11523



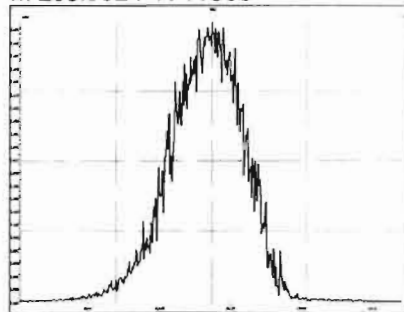
File: Experiment: pcb\_zb1.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Monday, October 26, 2020 09:31:30 Pacific Daylight Time

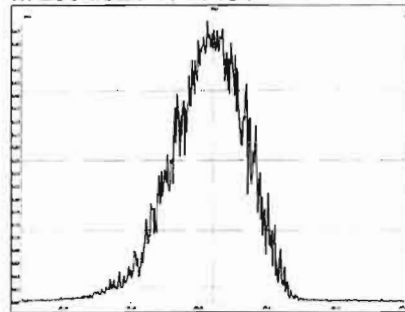
M 254.9856 R 11415



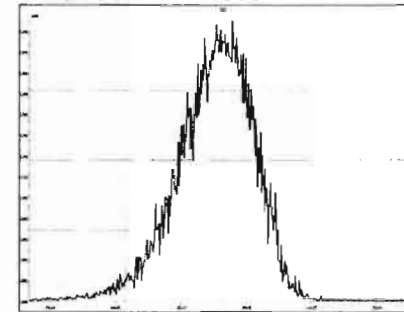
M 268.9824 R 11903



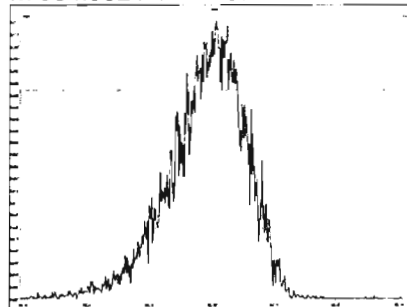
M 280.9824 R 11464



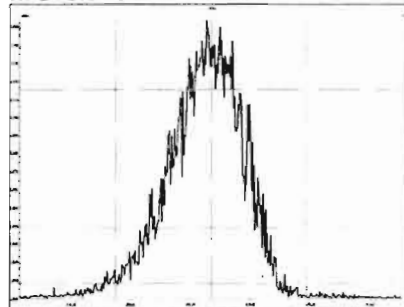
M 292.9824 R 11365



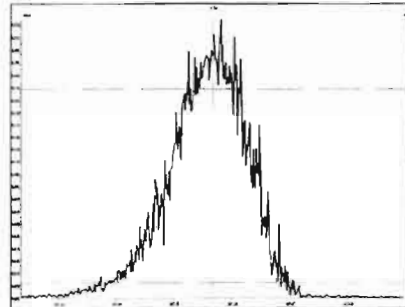
M 304.9824 R 11737



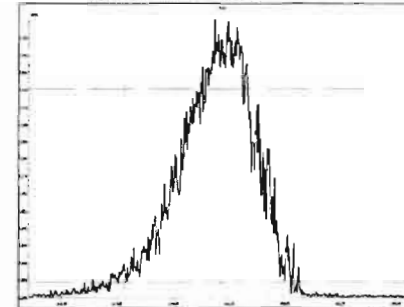
M 318.9792 R 11110



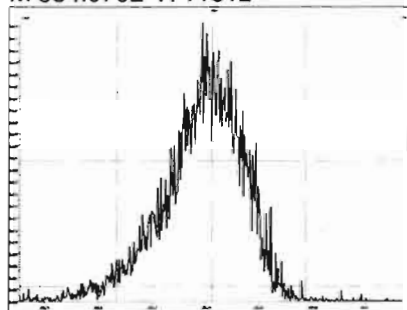
M 330.9792 R 10919



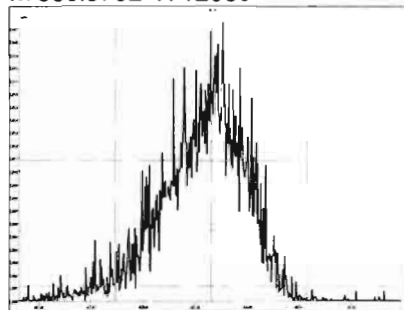
M 342.9792 R 10594



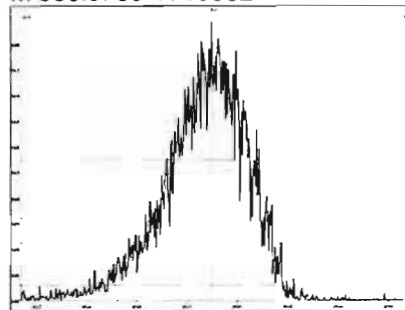
M 354.9792 R 11312



M 366.9792 R 12080

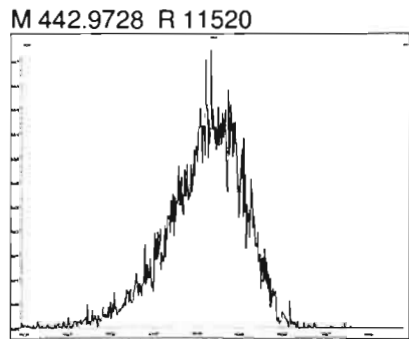
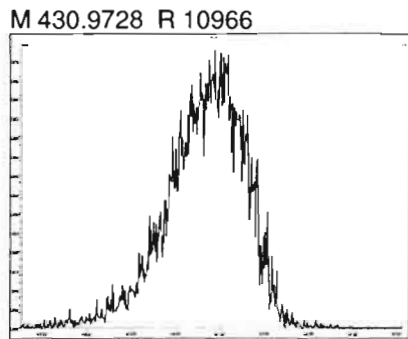
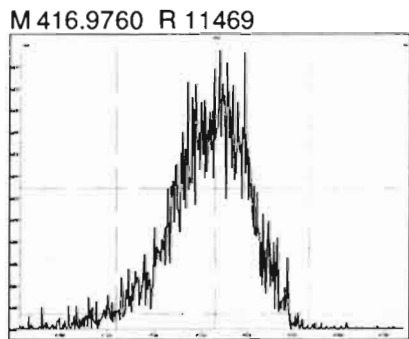
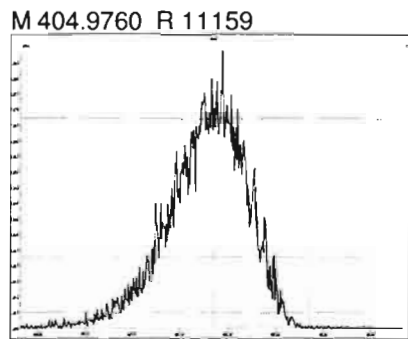
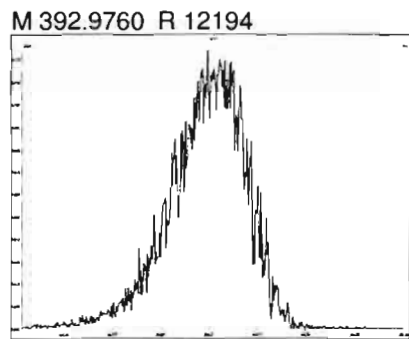
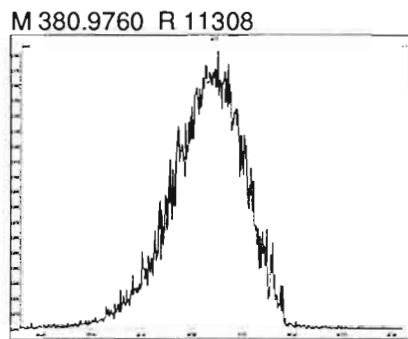
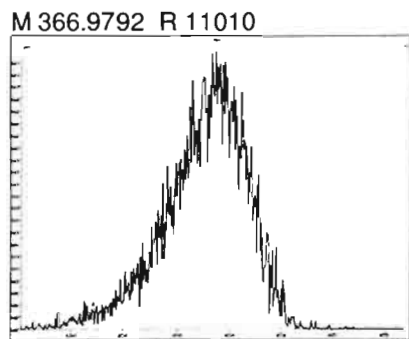
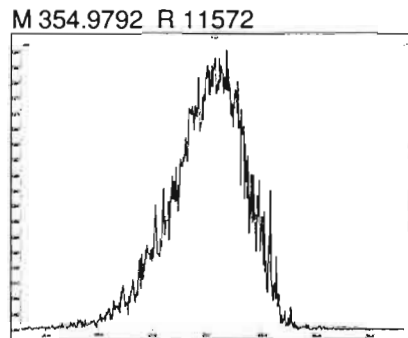
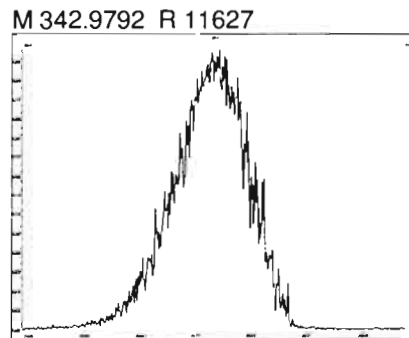
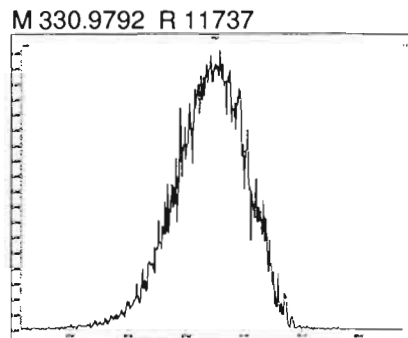
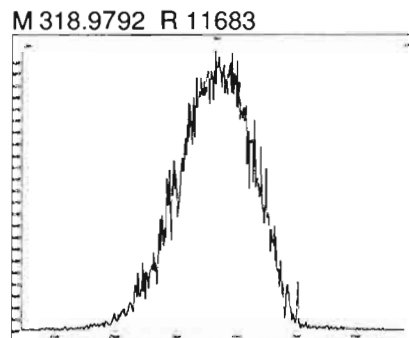


M 380.9760 R 10962



File: Experiment: pcb\_zb1.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

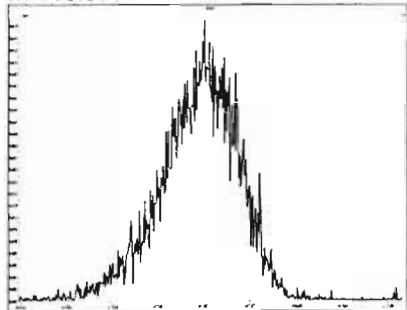
Printed: Monday, October 26, 2020 09:32:24 Pacific Daylight Time



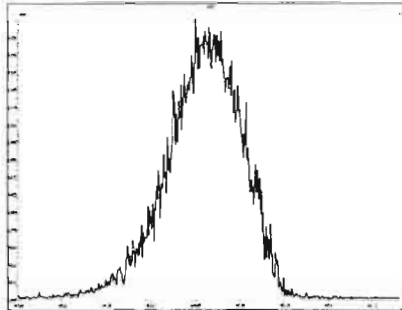
File: Experiment: pcb\_zb1.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Monday, October 26, 2020 09:33:09 Pacific Daylight Time

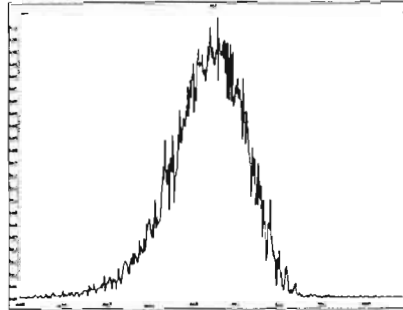
M 416.9760 R 11058



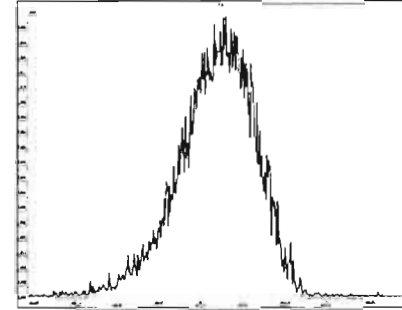
M 430.9728 R 11210



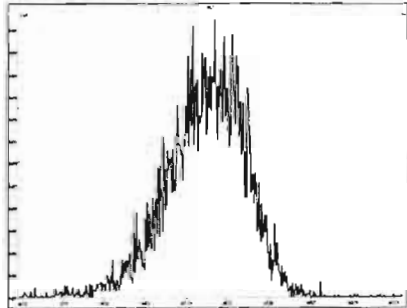
M 442.9728 R 12018



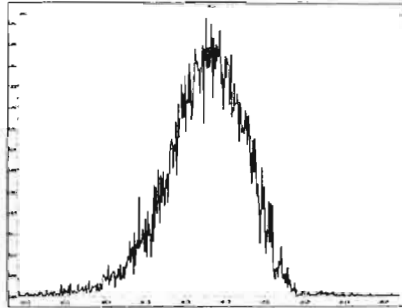
M 454.9728 R 10685



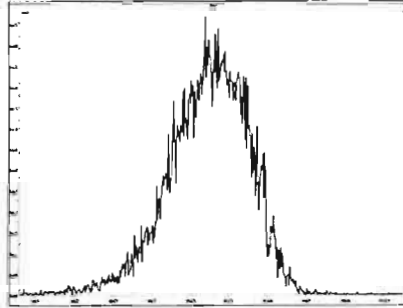
M 466.9728 R 11793



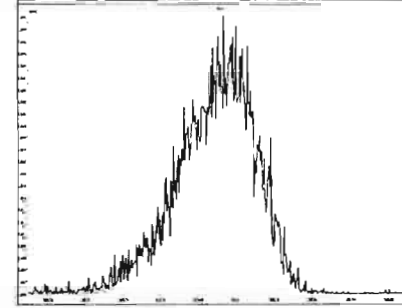
M 480.9696 R 11211



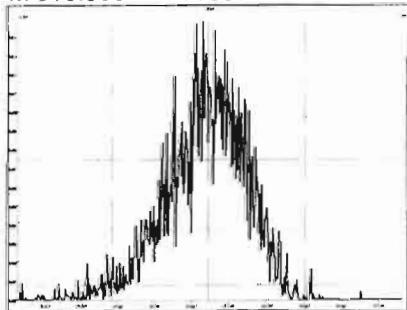
M 492.9696 R 10593



M 504.9696 R 10964



M 516.9697 R 11687



Dataset: Untitled

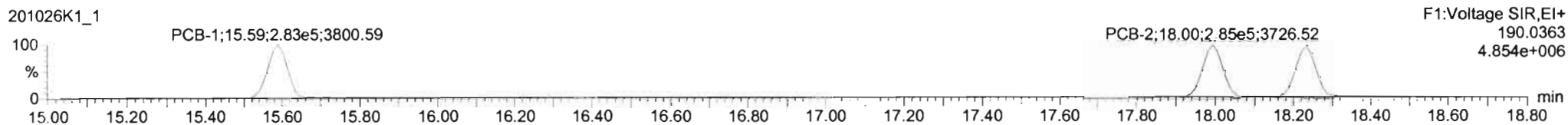
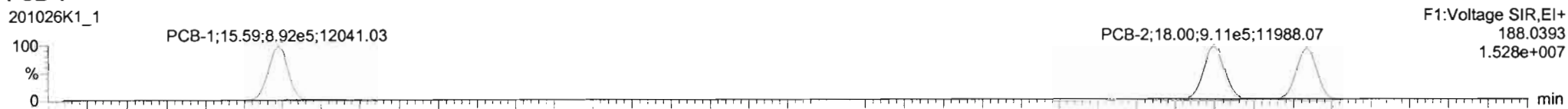
Last Altered: Monday, October 26, 2020 11:13:09 Pacific Daylight Time

Printed: Monday, October 26, 2020 11:13:20 Pacific Daylight Time

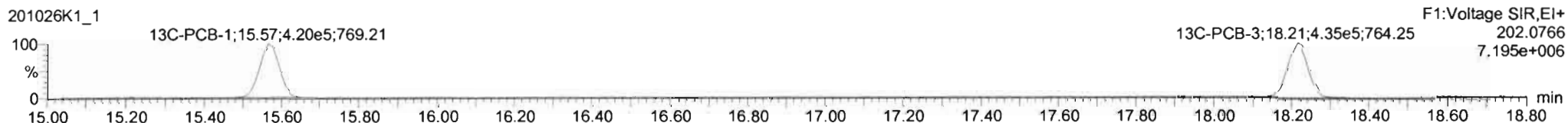
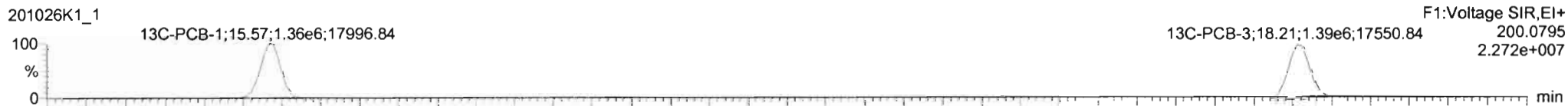
Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_10-24-20.mdb 24 Oct 2020 13:45:57  
Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-6-1-20.cdb 02 Jun 2020 10:21:16

Name: 201026K1\_1, Date: 26-Oct-2020, Time: 09:33:41, ID: ST201026K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

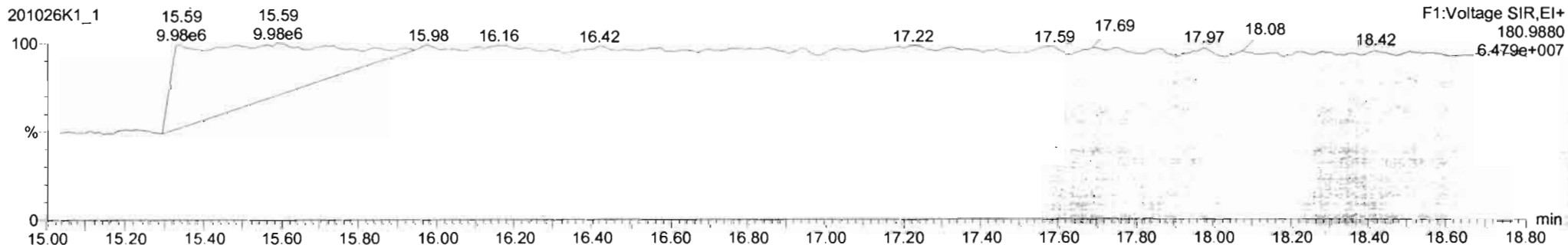
**PCB-1**



**13C-PCB-1**



**PFK1**

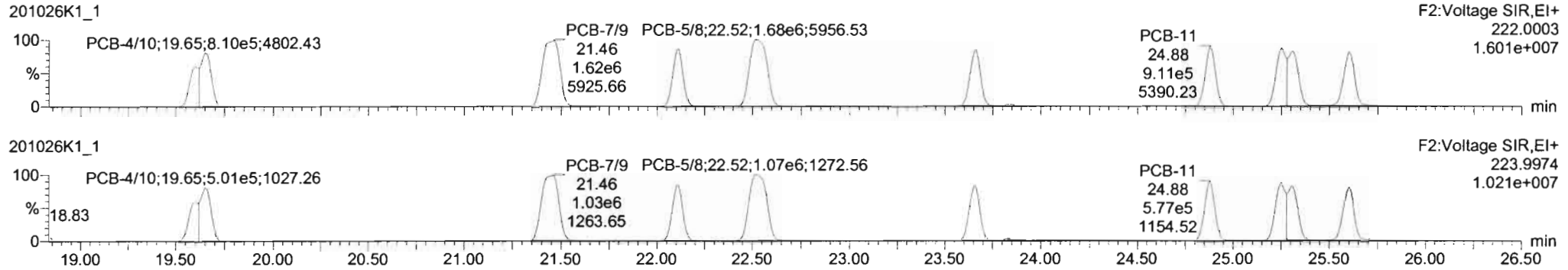


Dataset: Untitled

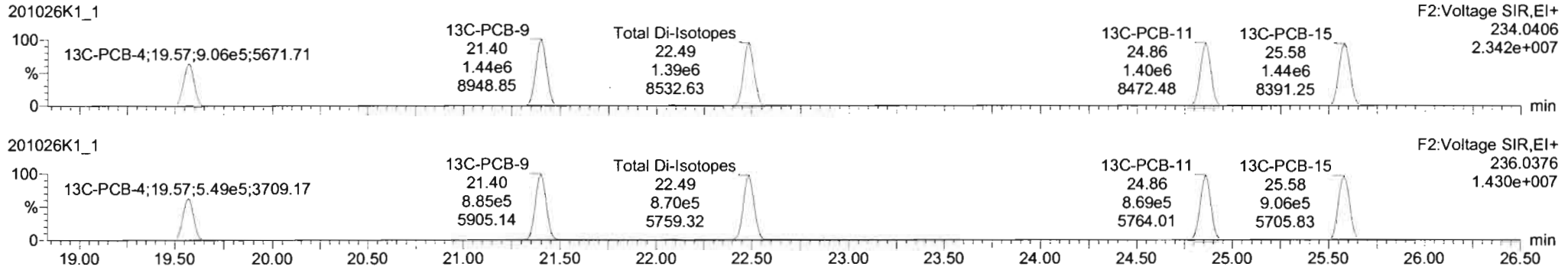
Last Altered: Monday, October 26, 2020 11:13:09 Pacific Daylight Time  
Printed: Monday, October 26, 2020 11:13:20 Pacific Daylight Time

Name: 201026K1\_1, Date: 26-Oct-2020, Time: 09:33:41, ID: ST201026K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

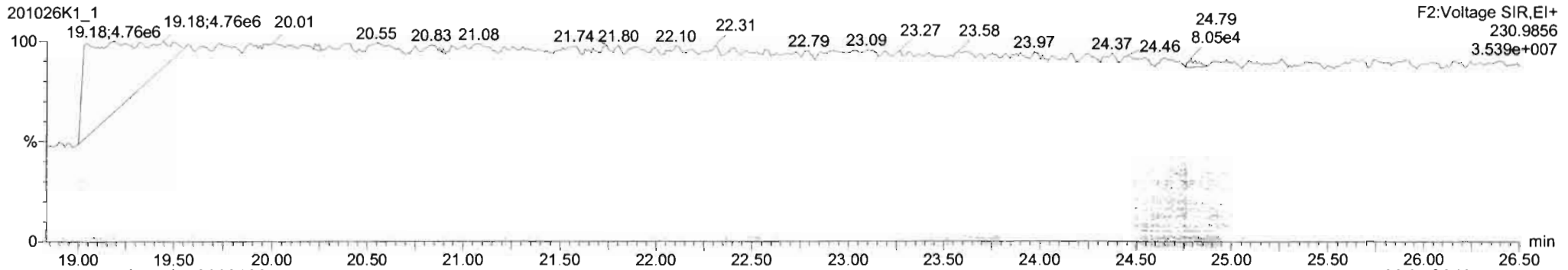
**PCB-4/10**



**13C-PCB-4**



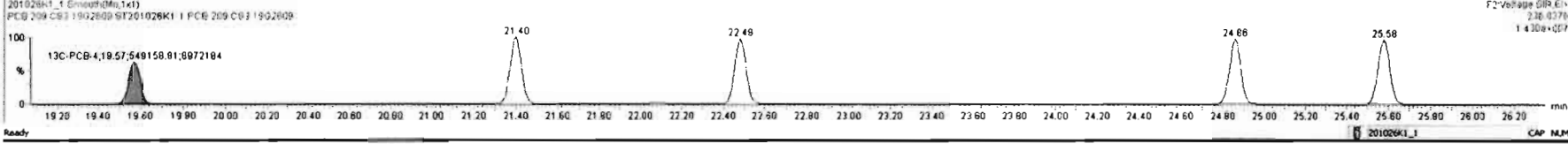
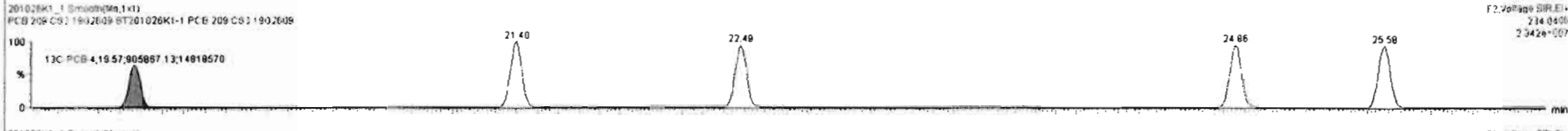
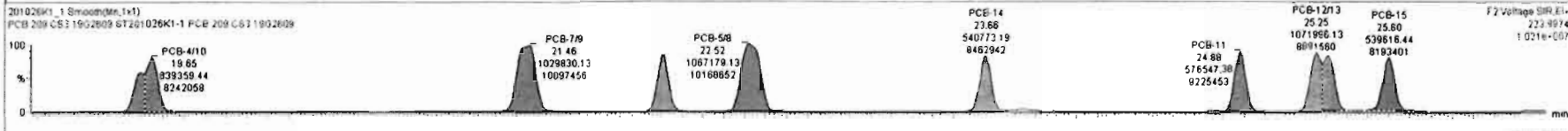
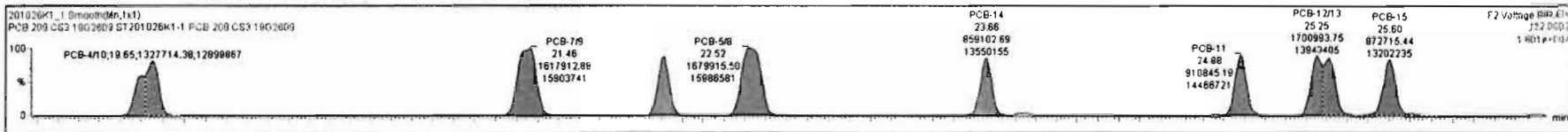
**PFK2a**





#	Name	Resp	RA	n/y	RRF	w/Acd	Pred RT	RT	Pred R	RR1	RR1 Int	Conc	%Rec	DL	EMPC
220	13C-PCB-79	1.37e6	0.79	NO	1.0689	1.000	37.86	37.86	1.030	1.030	NO	99.89	98.9	0.0663	
221	13C-PCB-178	4.58e5	0.47	NO	0.7665	1.000	45.95	45.95	0.968	0.968	NO	86.51	86.5	0.0918	
222	13C-PCB-79	1.37e6	0.79	NO	1.0871	1.000	37.85	37.86	0.968	0.968	NO	102.7	103	0.0931	
223	13C-PCB-178	4.58e5	0.47	NO	1.0508	1.000	45.94	45.95	0.923	0.923	NO	98.86	98.9	0.106	
224	Total Mono-PCBs				1.1665	1.000	0.00		0.000		NO	167.9		0.0447	167.9
225	Total di-PCBs				1.0537	1.000	0.00		0.000		NO	713.0		0.470	713.0
226	2nd Function Tri-PCBs				1.0807	1.000	0.00		0.000		NO	436.8		0.165	436.8

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc
4	PCB-4/10	19.85	19.85	1.320e6	8.394e5	1.560	1.58	NO	119.33	119.33
5	PCB-79	21.46	21.46	1.618e6	1.030e6	1.560	1.57	NO	118.44	118.44
6	PCB-6	22.11	22.11	8.584e5	5.415e5	1.560	1.59	NO	58.742	58.742
7	PCB-58	22.52	22.52	1.680e6	1.067e6	1.560	1.57	NO	118.88	118.88
8	PCB-14	23.68	23.68	8.591e5	5.408e5	1.560	1.59	NO	60.570	60.570
9	PCB-11	24.88	24.88	9.108e5	5.765e5	1.560	1.58	NO	58.123	58.123
10	PCB-12/13	25.31	25.25	1.701e6	1.072e6	1.560	1.59	NO	118.88	118.88



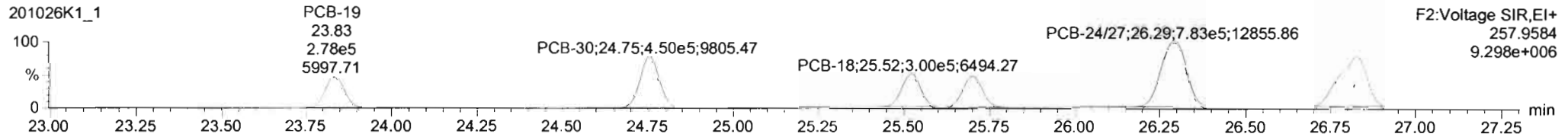
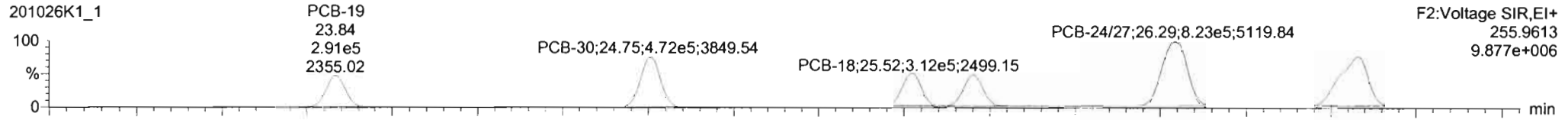
Dataset: Untitled

Last Altered: Monday, October 26, 2020 11:13:09 Pacific Daylight Time

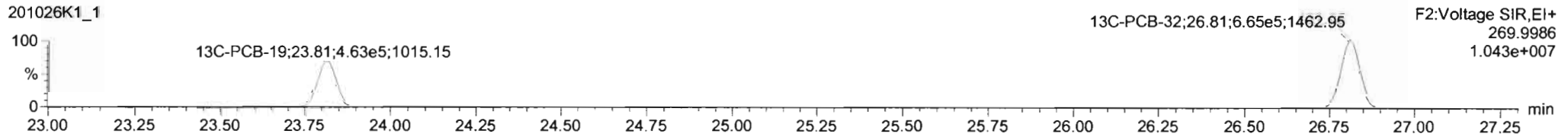
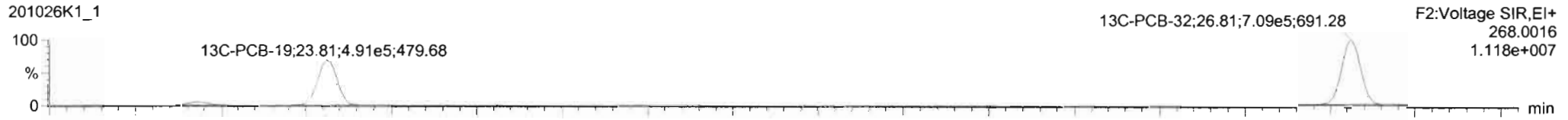
Printed: Monday, October 26, 2020 11:13:20 Pacific Daylight Time

Name: 201026K1\_1, Date: 26-Oct-2020, Time: 09:33:41, ID: ST201026K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

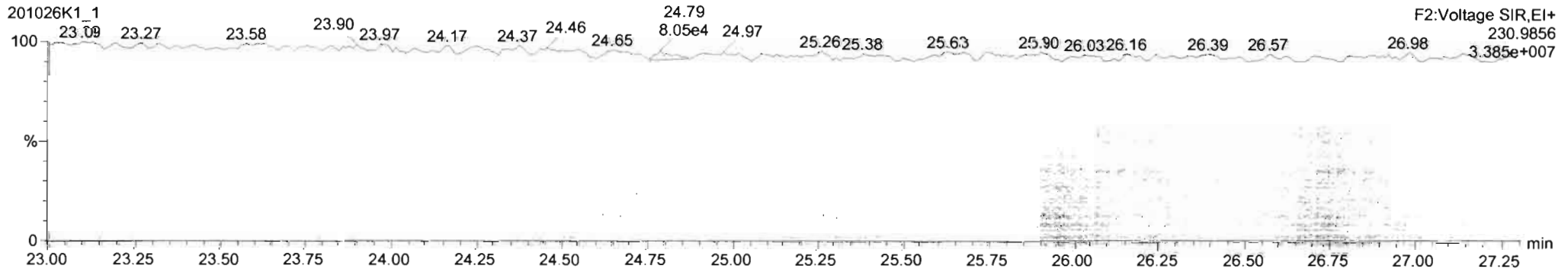
**PCB-19**



**13C-PCB-19**



**PFK2b**



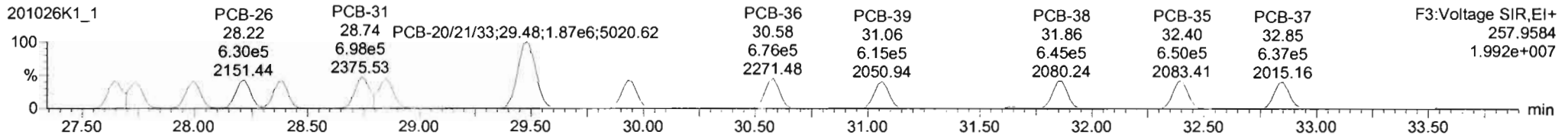
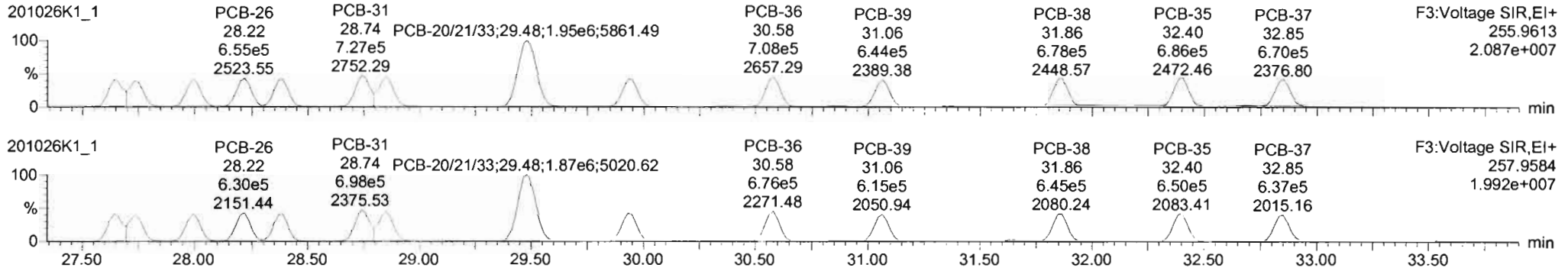
Dataset: Untitled

Last Altered: Monday, October 26, 2020 11:13:09 Pacific Daylight Time

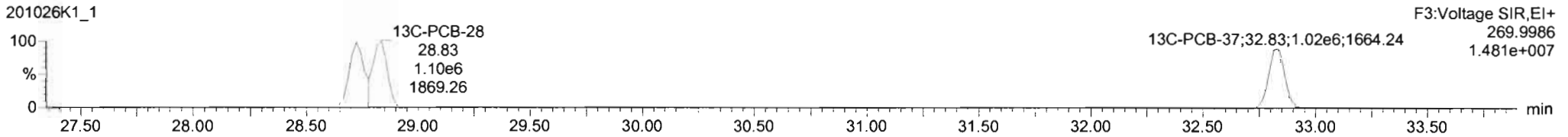
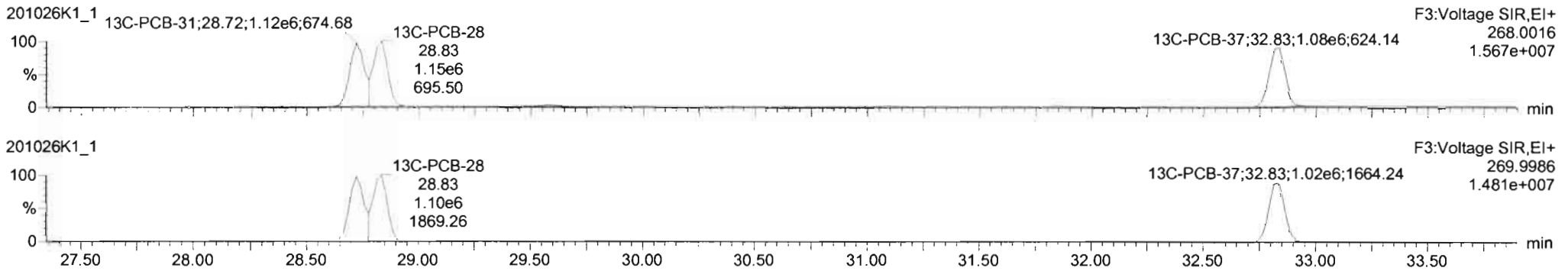
Printed: Monday, October 26, 2020 11:13:20 Pacific Daylight Time

Name: 201026K1\_1, Date: 26-Oct-2020, Time: 09:33:41, ID: ST201026K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

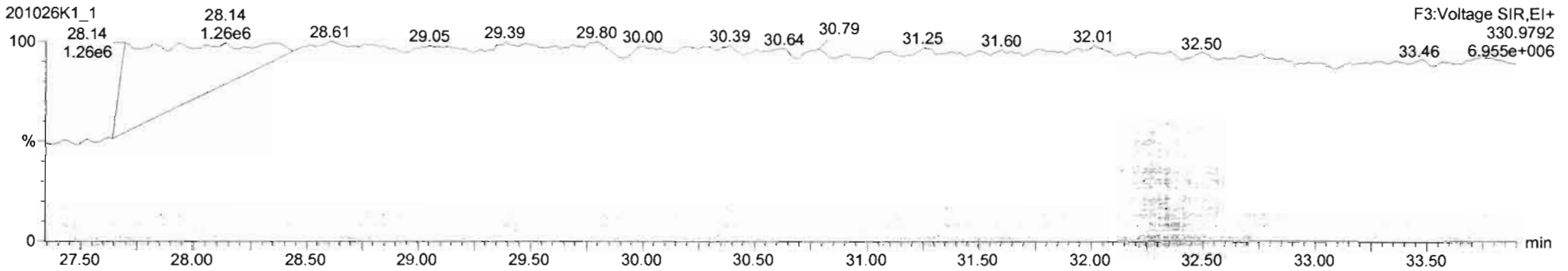
**PCB-34**



**13C-PCB-28**



**PFK3d**

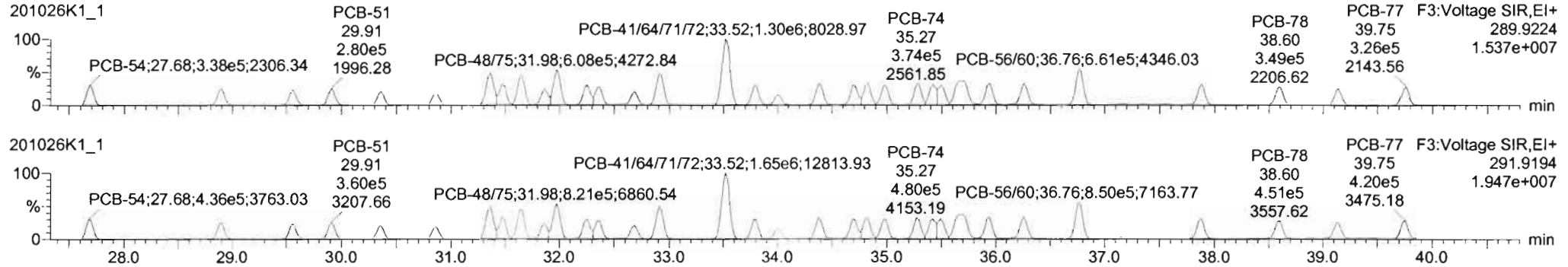


Dataset: Untitled

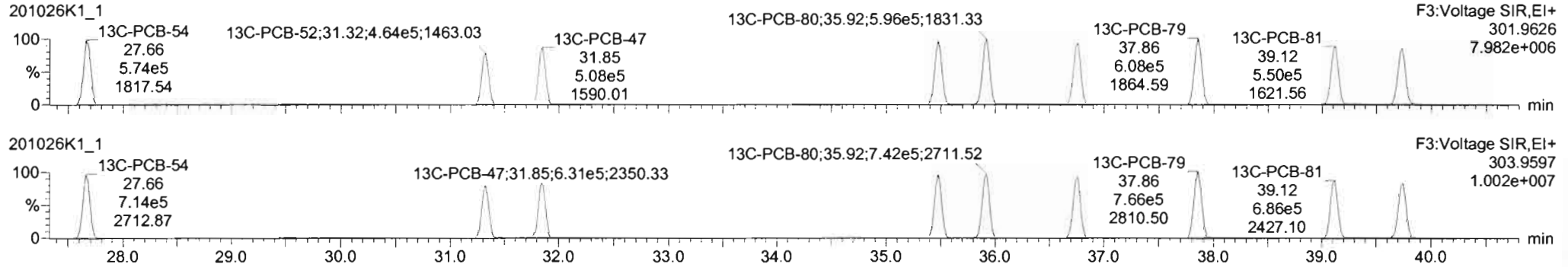
Last Altered: Monday, October 26, 2020 11:13:09 Pacific Daylight Time  
Printed: Monday, October 26, 2020 11:13:20 Pacific Daylight Time

Name: 201026K1\_1, Date: 26-Oct-2020, Time: 09:33:41, ID: ST201026K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

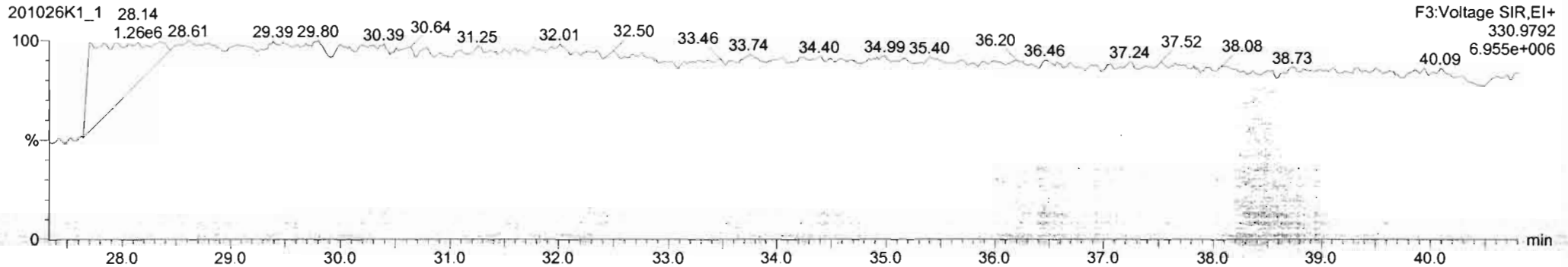
**PCB-54**



**13C-PCB-54**



**PFK3a**



Dataset: Untitled

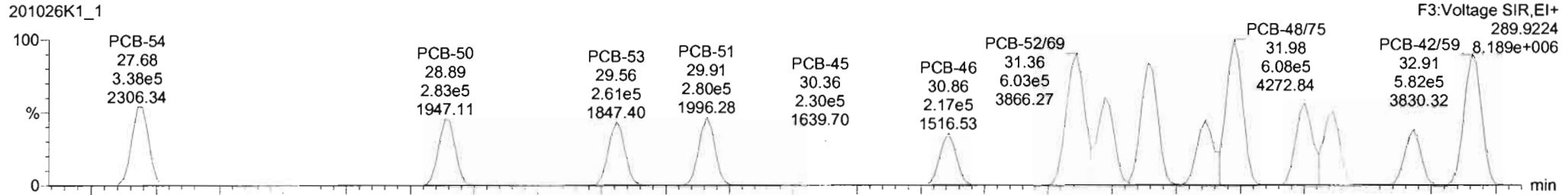
Last Altered: Monday, October 26, 2020 11:13:09 Pacific Daylight Time

Printed: Monday, October 26, 2020 11:13:20 Pacific Daylight Time

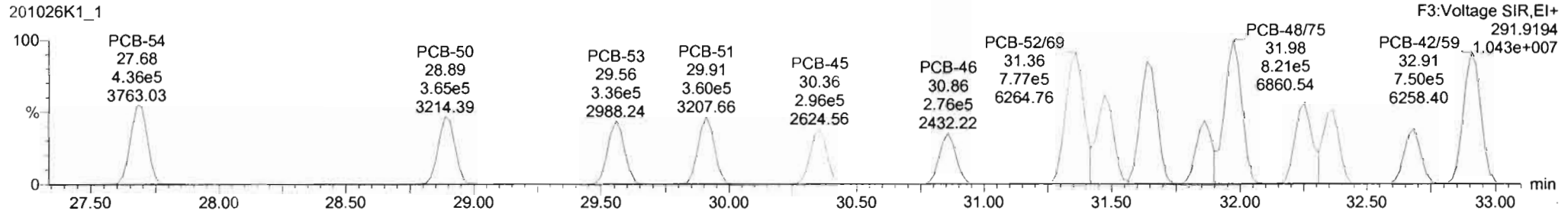
Name: 201026K1\_1, Date: 26-Oct-2020, Time: 09:33:41, ID: ST201026K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

**PCB-50**

201026K1\_1

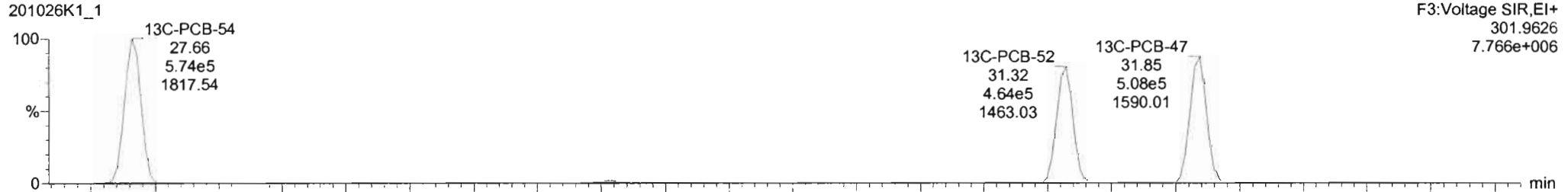


201026K1\_1

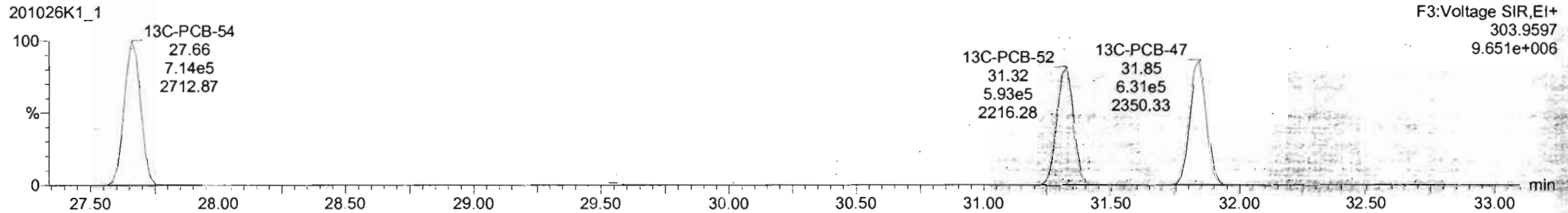


**13C-PCB-52**

201026K1\_1



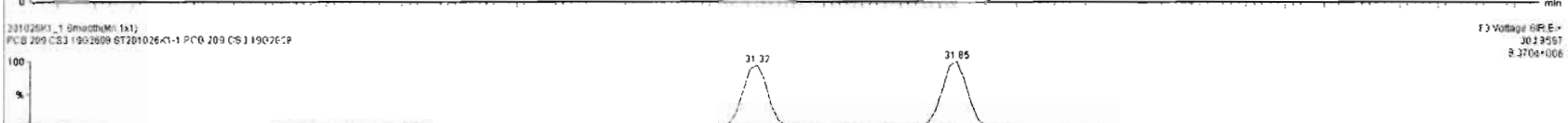
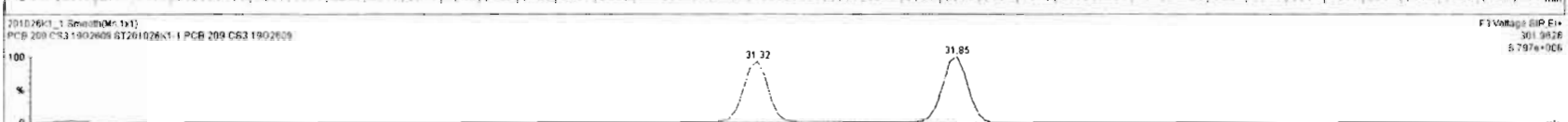
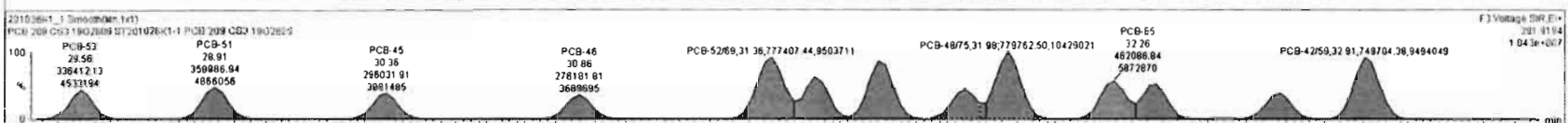
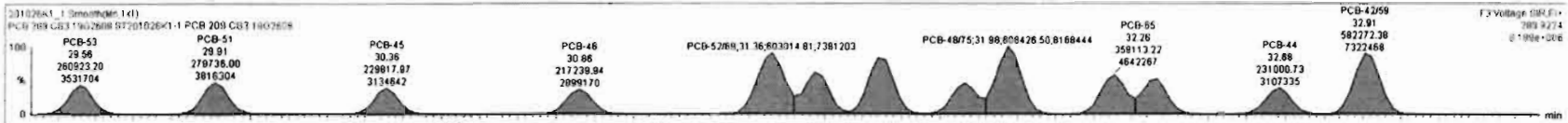
201026K1\_1



201026K1-1-1T201026K1-1-PCB 209 C83 1902609-PCB 209 C83 1902609

#	Name	Resp	RA	nly	RRF	wt/Vol	Pred RT	RT	Pred R	RRT	RRT Fall	Conc	%Iac	DL	EMPC
227	227 3rd Function Tri-PCBs				0.9828	1.000	0.00		0.000		NO	965.4		0.739	965.4
228	228 Total Tetra-PCBs				1.0778	1.000	0.00		0.000		NO	2261		1.33	2280
229	229 3rd Function Penta-PCBs				1.3157	1.000	0.00		0.000		NO	2188		1.22	2168
230	230 4th Function Penta-PCBs				1.0735	1.000	0.00		0.000		NO	295.7		0.162	295.7
231	231 3rd Function Hexa-PCBs				0.9505	1.000	0.00		0.000		NO	731.2		0.547	731.2
232	232 4th Function Hexa-PCBs				1.0316	1.000	0.00		0.000		NO	1524		1.07	1524
233	233 Total Hepta-PCBs				1.3551	1.000	0.00		0.000		NO	1292		2.00	1292

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc
1	32 PCB-54	27.68	27.68	3.380e5	4.359e5	0.770	0.78	NO	55.623	55.623
2	33 PCB-50	28.89	28.89	2.835e5	3.651e5	0.770	0.78	NO	57.232	57.232
3	34 PCB-53	29.58	29.58	2.609e5	3.364e5	0.770	0.78	NO	56.695	56.695
4	35 PCB-51	29.92	29.91	2.797e5	3.600e5	0.770	0.78	NO	58.805	58.805
5	36 PCB-45	30.36	30.36	2.298e5	2.960e5	0.770	0.78	NO	57.942	57.942
6	37 PCB-46	30.86	30.86	2.172e5	2.752e5	0.770	0.78	NO	56.181	56.181
7	38 PCB-52/69	31.36	31.36	6.030e5	7.774e5	0.770	0.78	NO	111.93	111.93



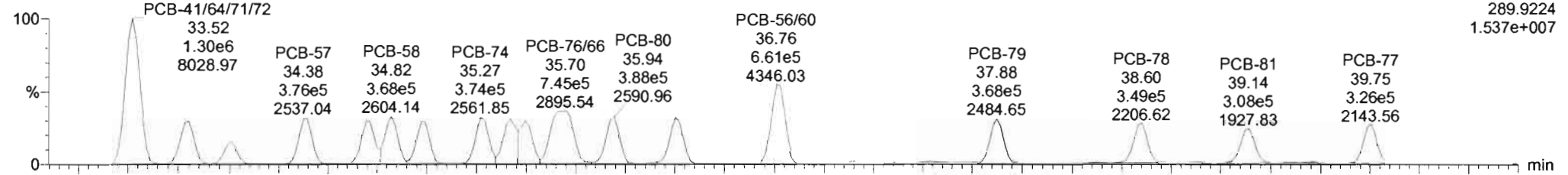
Dataset: Untitled

Last Altered: Monday, October 26, 2020 11:13:09 Pacific Daylight Time  
Printed: Monday, October 26, 2020 11:13:20 Pacific Daylight Time

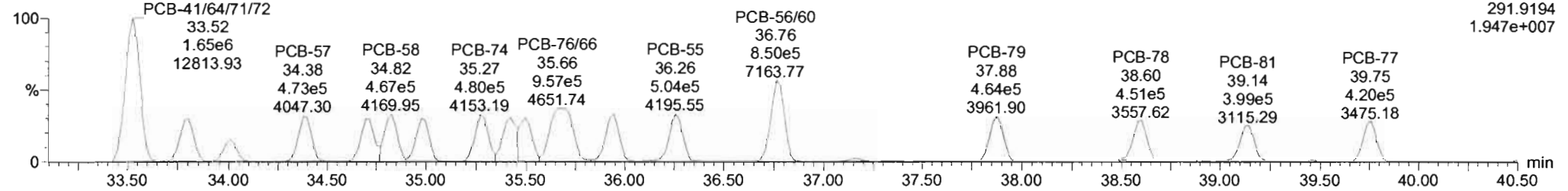
Name: 201026K1\_1, Date: 26-Oct-2020, Time: 09:33:41, ID: ST201026K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

**PCB-68**

201026K1\_1

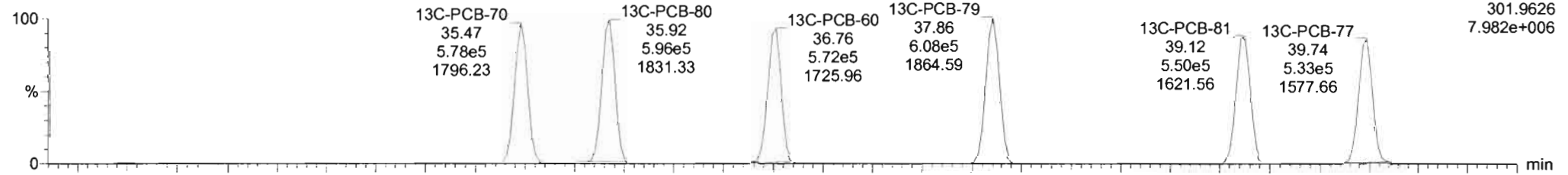


201026K1\_1

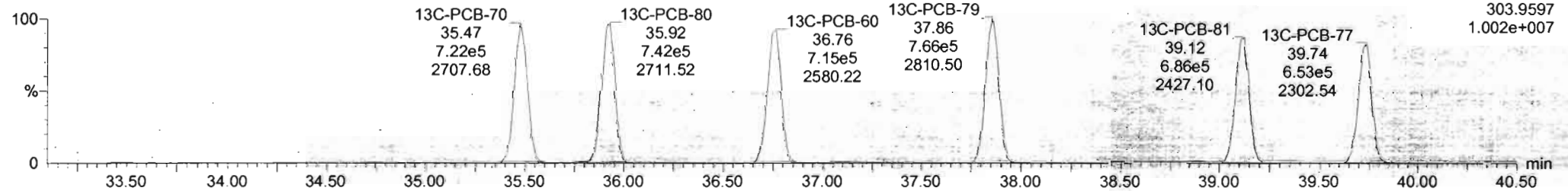


**13C-PCB-60**

201026K1\_1



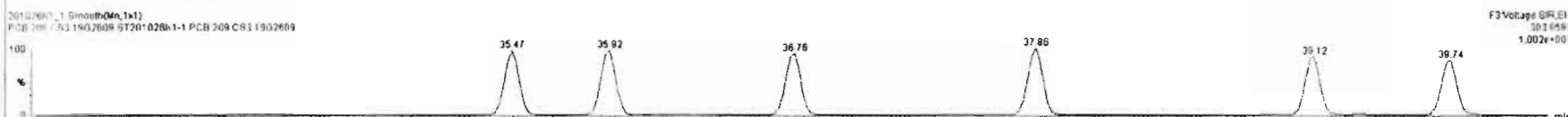
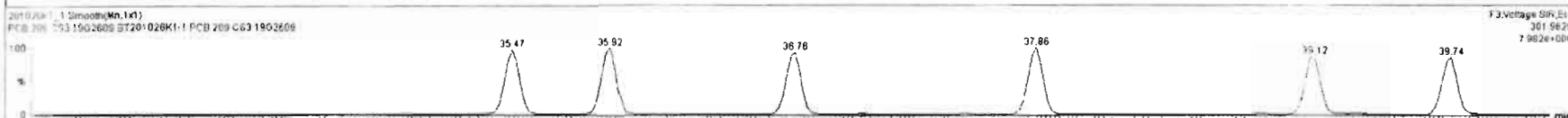
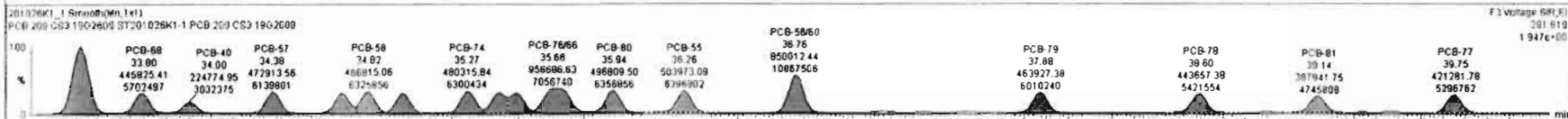
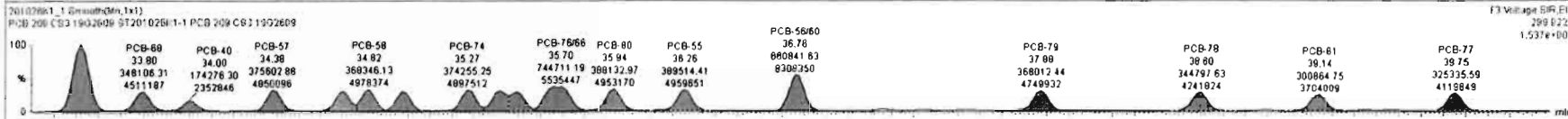
201026K1\_1



201026K1\_1 - ST201026K1-1 PCB 209 C83 1902609 - PCB 209 C83 1902509

#	Name	Resp	RA	rvy	RRF	wtVol	Pred R <sup>2</sup>	RT	Pred R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
227	227 3rd Function Tri-PCBs				0.9828	1.000	0.00		0.000		NO	965.4		0.730	965.4
228	228 Total Tetra-PCBs				1.0776	1.000	0.00		0.000		NO	2356		1.33	2356
229	229 3rd Function Penta-PCBs				1.3157	1.000	0.00		0.000		NO	2166		1.22	2166
230	230 4th Function Penta-PCBs				1.0735	1.000	0.00		0.000		NO	295.7		0.162	295.7
231	231 3rd Function Hexa-PCBs				0.9505	1.000	0.00		0.000		NO	731.2		0.547	731.2
232	232 4th Function Hexa-PCBs				1.0316	1.000	0.00		0.000		NO	1524		1.07	1524
233	233 Total Hepta-PCBs				1.3551	1.000	0.00		0.000		NO	1292		2.00	1292

#	Name	Pred RT	RT	m1 Resp	m2 Resp	S <sup>2</sup> Ratio (Pred)	RA	rvy	EMPC	Conc.
1	1 PCB-54	27.68	27.68	3.360e5	4.356e5	0.770	0.78	NO	55.623	55.623
2	2 PCB-50	28.89	28.89	2.835e5	3.651e5	0.770	0.78	NO	57.232	57.232
3	3 PCB-53	29.56	29.56	2.609e5	3.364e5	0.770	0.78	NO	56.686	56.686
4	4 PCB-51	29.92	29.92	2.797e5	3.609e5	0.770	0.78	NO	56.805	56.805
5	5 PCB-45	30.36	30.36	2.288e5	2.960e5	0.770	0.78	NO	57.942	57.942
6	6 PCB-46	30.06	30.06	2.172e5	2.782e5	0.770	0.79	NO	56.181	56.181
7	7 PCB-52/69	31.36	31.36	6.030e5	7.774e5	0.770	0.78	NO	111.93	111.93





Dataset: Untitled

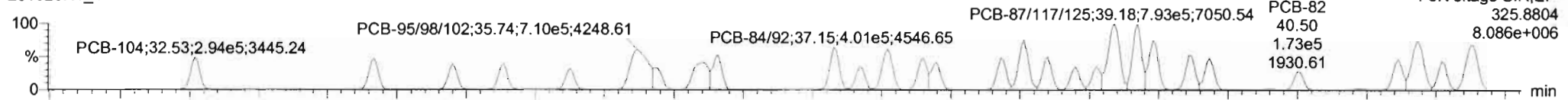
Last Altered: Monday, October 26, 2020 11:13:09 Pacific Daylight Time

Printed: Monday, October 26, 2020 11:13:20 Pacific Daylight Time

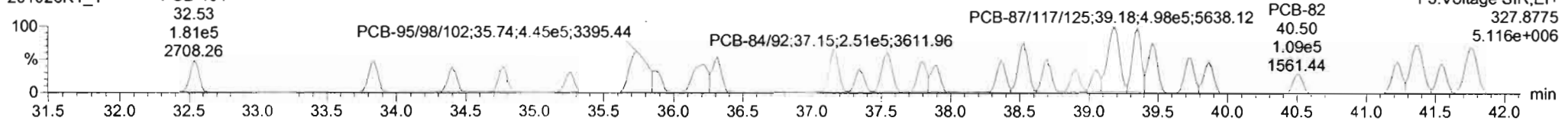
Name: 201026K1\_1, Date: 26-Oct-2020, Time: 09:33:41, ID: ST201026K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

**PCB-104**

201026K1\_1

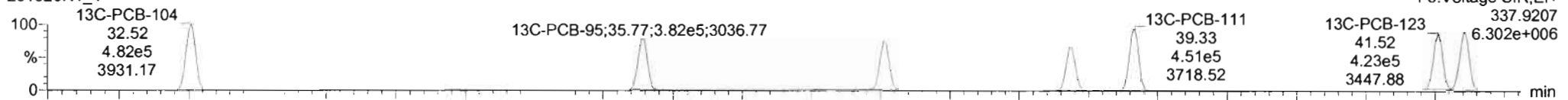


201026K1\_1

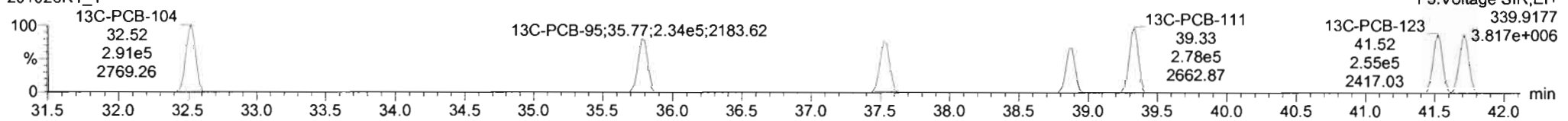


**13C-PCB-104**

201026K1\_1

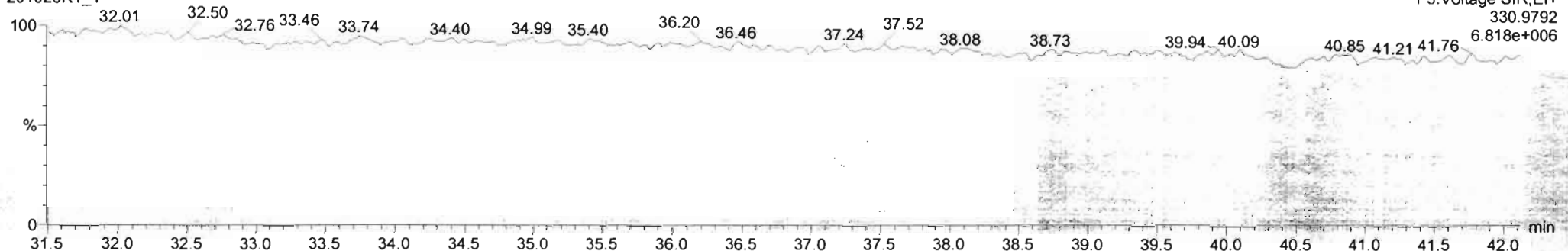


201026K1\_1



**PFK3b**

201026K1\_1



Dataset: Untitled

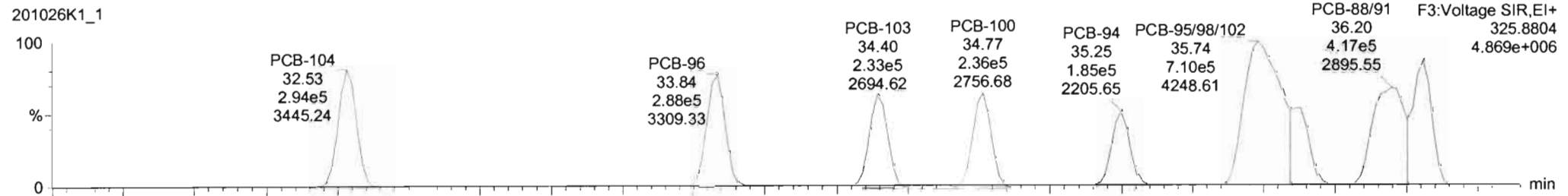
Last Altered: Monday, October 26, 2020 11:13:09 Pacific Daylight Time

Printed: Monday, October 26, 2020 11:13:20 Pacific Daylight Time

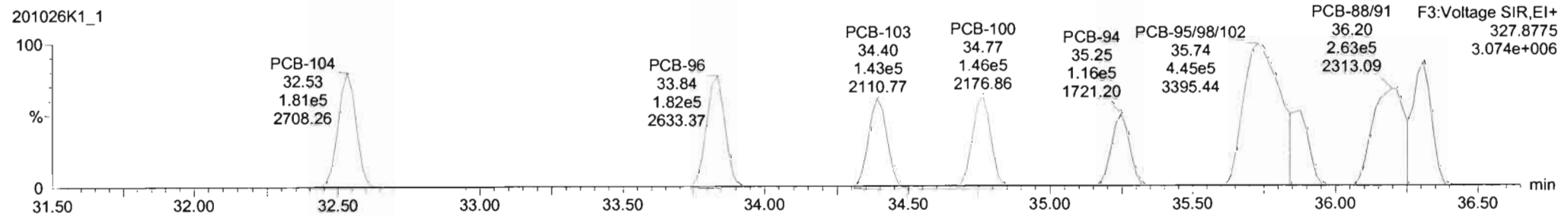
Name: 201026K1\_1, Date: 26-Oct-2020, Time: 09:33:41, ID: ST201026K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

**PCB-96**

201026K1\_1

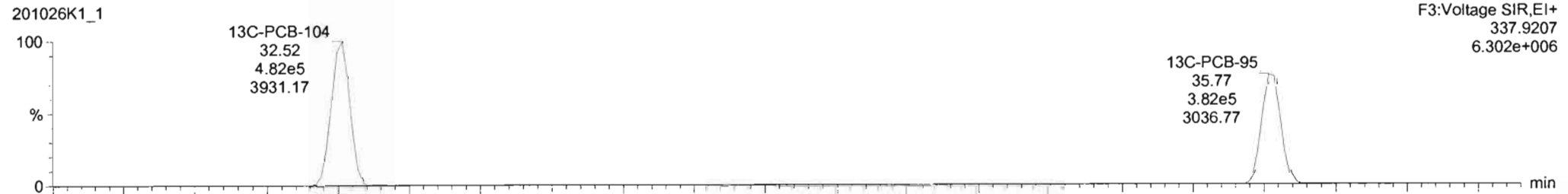


201026K1\_1

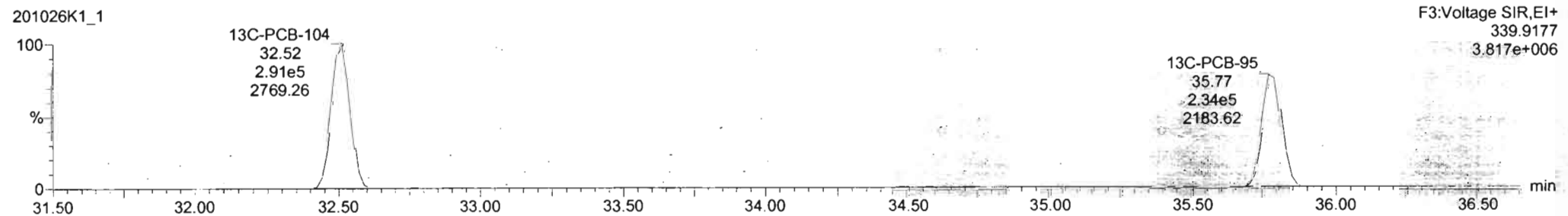


**13C-PCB-95**

201026K1\_1



201026K1\_1



Dataset: Untitled

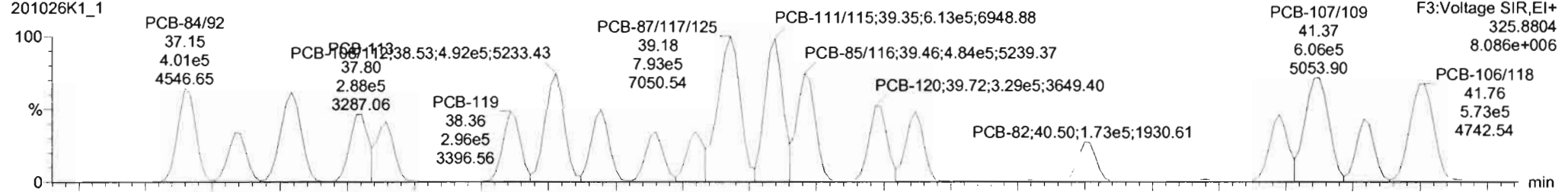
Last Altered: Monday, October 26, 2020 11:13:09 Pacific Daylight Time

Printed: Monday, October 26, 2020 11:13:20 Pacific Daylight Time

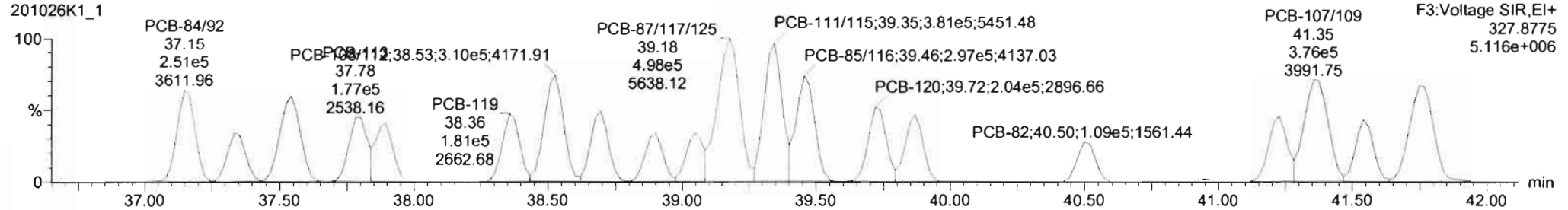
Name: 201026K1\_1, Date: 26-Oct-2020, Time: 09:33:41, ID: ST201026K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

PCB-119

201026K1\_1

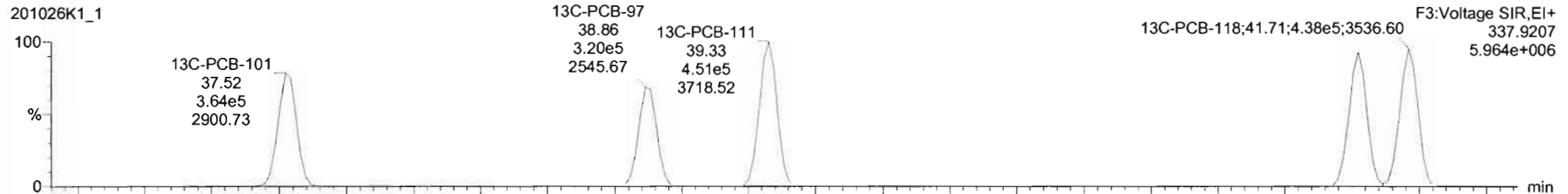


201026K1\_1

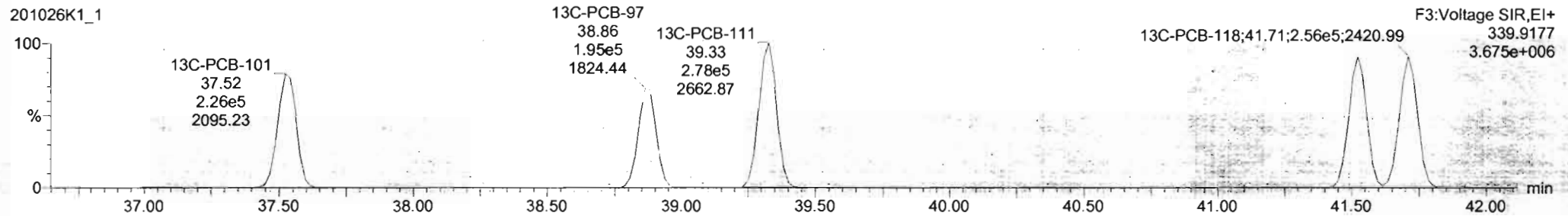


13C-PCB-111

201026K1\_1

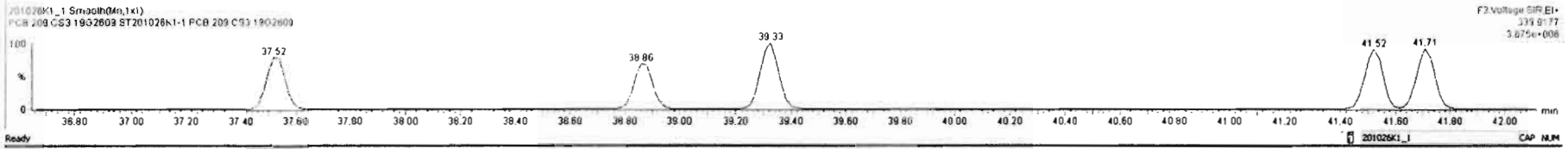
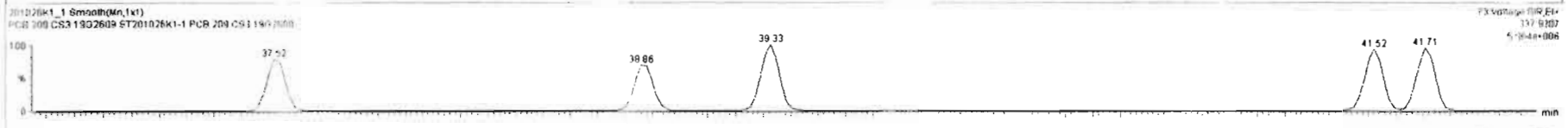
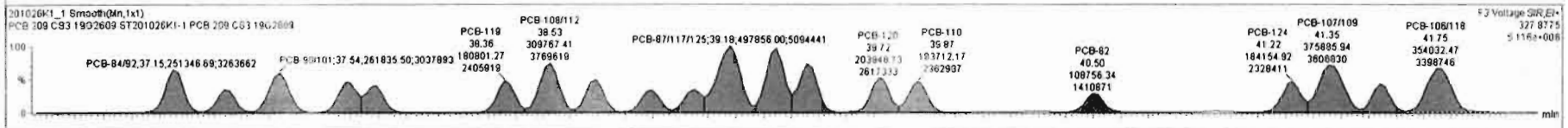
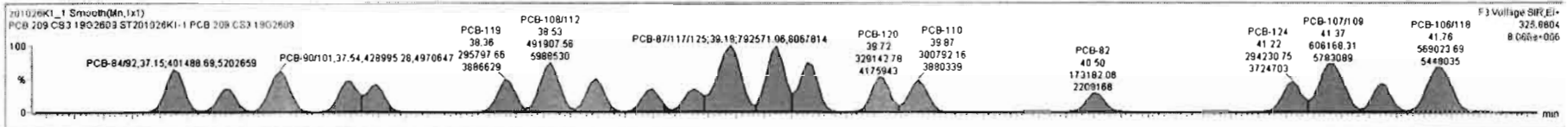


201026K1\_1



#	Name	Resp	RA	n/y	RRT	ntVol	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
227	2nd Function Tri-PCBs				0.9628	1.000	0.000		0.000		NO	965.4		0.739	965.4
228	Total Tetra-PCBs				1.0778	1.000	0.000		0.000		NO	2356		1.33	2356
229	3rd Function Penta-PCBs				1.3157	1.000	0.000		0.000		NO	2165		1.22	2165
230	4th Function Penta-PCBs				1.0735	1.000	0.000		0.000		NO	296.7		0.162	295.7
231	3rd Function Hexa-PCBs				0.9505	1.000	0.000		0.000		NO	731.2		0.547	731.2
232	4th Function Hexa-PCBs				1.0316	1.000	0.000		0.000		NO	1524		1.07	1524
233	Total Hepta-PCBs				1.3551	1.000	0.000		0.000		NO	1292		2.00	1292

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	64 PCB-104	32.54	32.53	2.944e5	1.814e5	1.560	1.62	NO	54.831	54.831
2	65 PCB-96	33.84	33.84	2.875e5	1.872e5	1.560	1.58	NO	52.644	52.644
3	66 PCB-103	34.40	34.40	2.326e5	1.434e5	1.560	1.62	NO	51.917	51.917
4	67 PCB-100	34.77	34.77	2.355e5	1.460e5	1.560	1.61	NO	51.730	51.730
5	68 PCB-94	35.25	35.25	1.853e5	1.156e5	1.560	1.60	NO	51.443	51.443
6	69 PCB-95/98/102	35.72	35.74	7.105e5	4.453e5	1.560	1.60	NO	155.67	155.67
7	70 PCB-93	35.87	35.88	1.896e5	1.153e5	1.560	1.64	NO	52.910	52.910



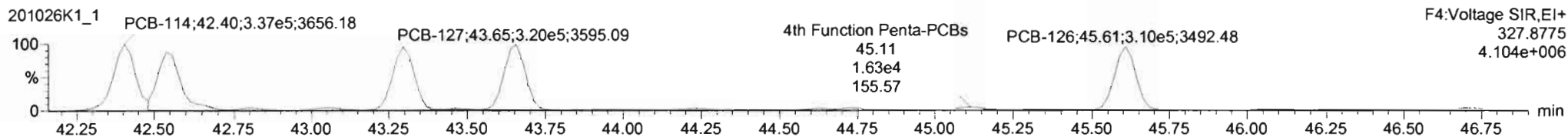
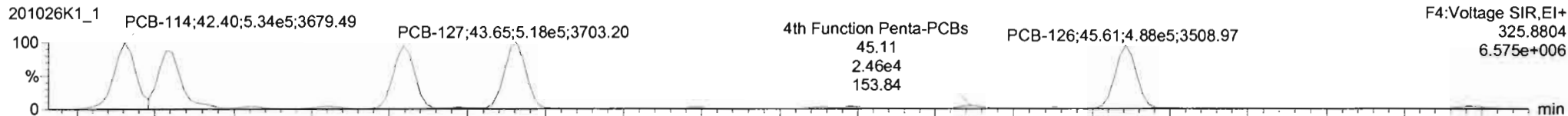
Dataset: Untitled

Last Altered: Monday, October 26, 2020 11:13:09 Pacific Daylight Time

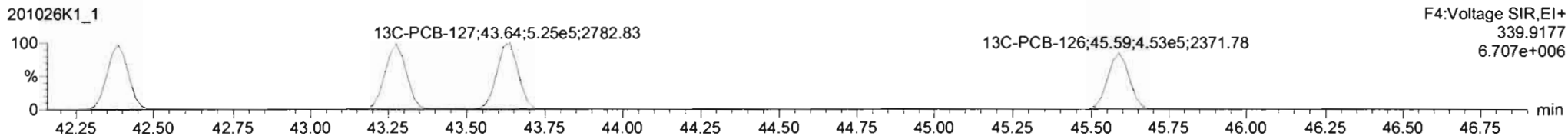
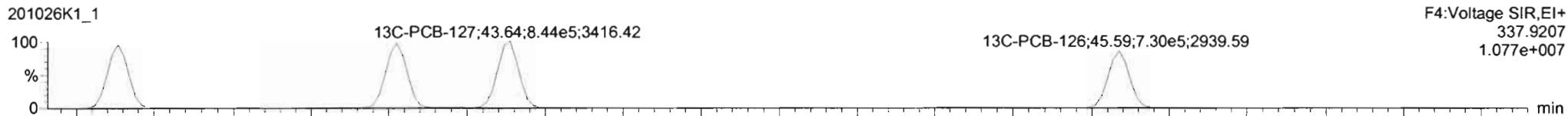
Printed: Monday, October 26, 2020 11:13:20 Pacific Daylight Time

Name: 201026K1\_1, Date: 26-Oct-2020, Time: 09:33:41, ID: ST201026K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

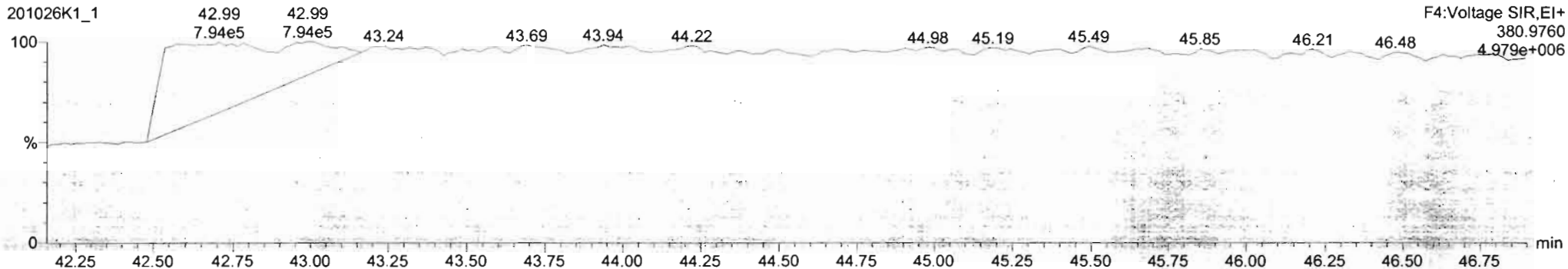
**PCB-114**



**13C-PCB-114**



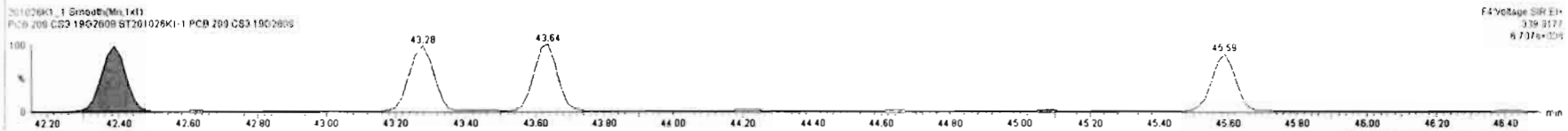
**PFK4a**



201026K1\_1 - ST201026K1-1 PCB 209 CS3 19G2603 - PCB 209 CS3 19G2609

#	Name	Resp	RA	n/y	RRF	wtVol	Pred RT	RT	Pred R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
227	227 3rd Function Tri-PCBs				0.9628	1.000	0.00		0.000		NO	965.4		0.739	965.4
228	228 Total Tetra-PCBs				1.0778	1.000	0.00		0.000		NO	2366		1.33	2366
229	229 3rd Function Penta-PCBs				1.3157	1.000	0.00		0.000		NO	2165		1.22	2165
230	230 4th Function Penta-PCBs				1.0735	1.000	0.00		0.000		NO	292.5		0.162	292.5
231	231 3rd Function Hexa-PCBs				0.9505	1.000	0.00		0.000		NO	731.2		0.547	731.2
232	232 4th Function Hexa-PCBs				1.0316	1.000	0.00		0.000		NO	1524		1.07	1524
233	233 Total Hepta-PCBs				1.3551	1.000	0.00		0.000		NO	1292		2.00	1292

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	93 PCB-114	42.41	42.40	5.318e5	3.355e5	1.560	1.58	NO	58.292	58.292
2	94 PCB-122	42.55	42.54	4.703e5	2.930e5	1.560	1.61	NO	61.993	61.993
3	95 PCB-105	43.29	43.29	4.872e5	3.091e5	1.550	1.58	NO	56.871	56.871
4	96 PCB-127	43.65	43.65	5.179e5	3.200e5	1.560	1.62	NO	57.792	57.792
5	97 PCB-126	45.61	45.61	4.892e5	3.098e5	1.560	1.58	NO	57.543	57.543



Dataset: Untitled

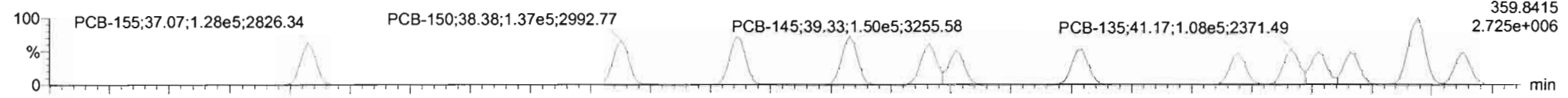
Last Altered: Monday, October 26, 2020 11:13:09 Pacific Daylight Time

Printed: Monday, October 26, 2020 11:13:20 Pacific Daylight Time

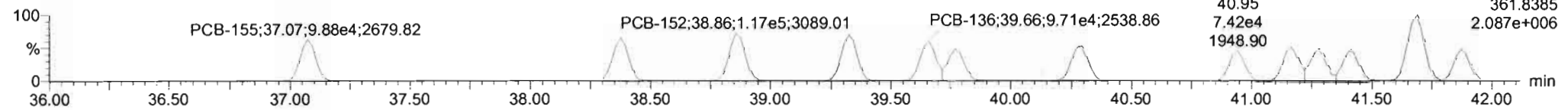
Name: 201026K1\_1, Date: 26-Oct-2020, Time: 09:33:41, ID: ST201026K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

**PCB-155**

201026K1\_1

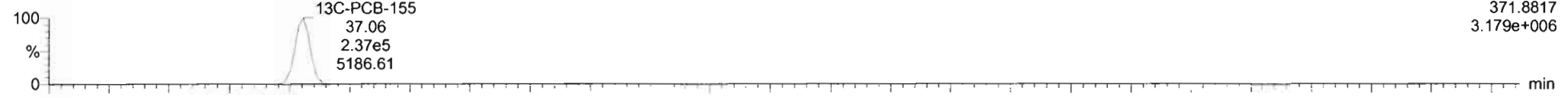


201026K1\_1

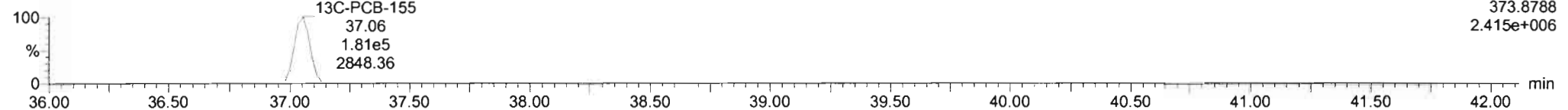


**13C-PCB-155**

201026K1\_1

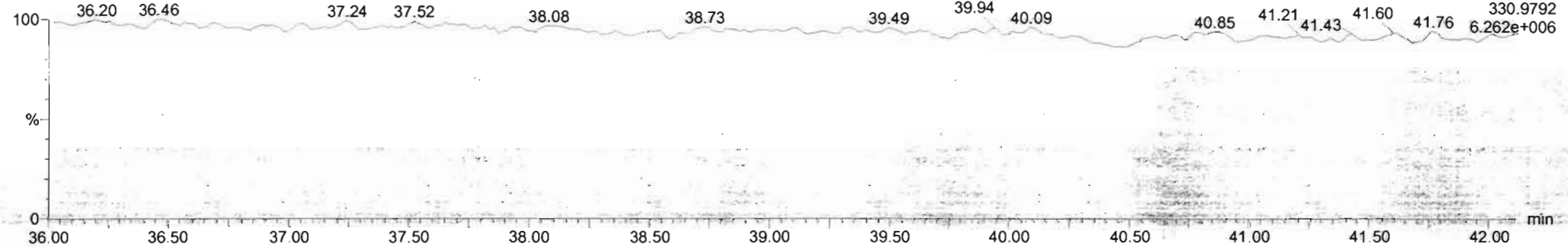


201026K1\_1



**PFK3c**

201026K1\_1



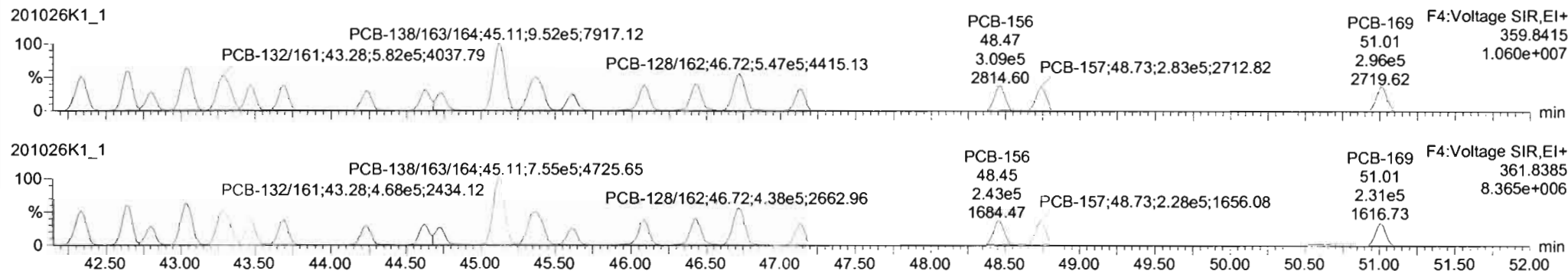
Dataset: Untitled

Last Altered: Monday, October 26, 2020 11:13:09 Pacific Daylight Time

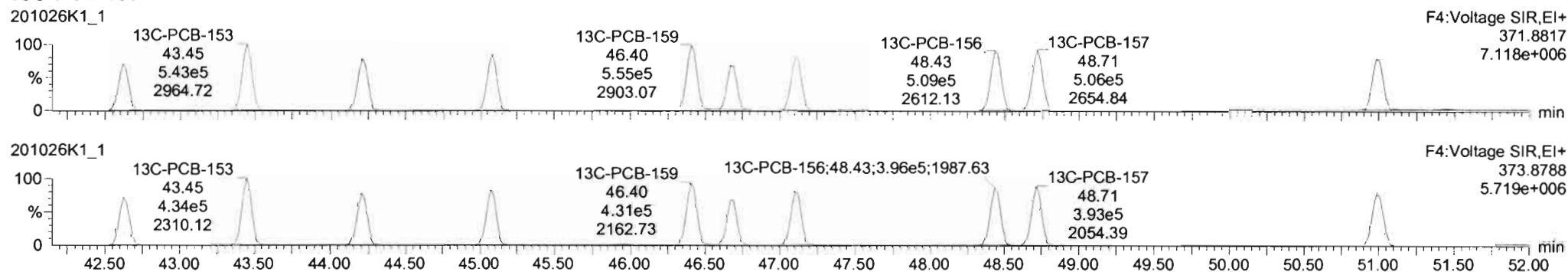
Printed: Monday, October 26, 2020 11:13:20 Pacific Daylight Time

Name: 201026K1\_1, Date: 26-Oct-2020, Time: 09:33:41, ID: ST201026K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

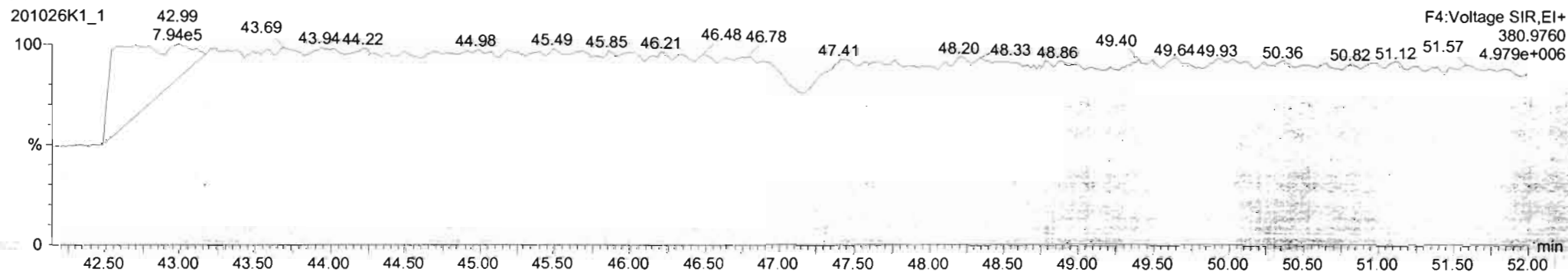
**PCB-134/143**



**13C-PCB-153**



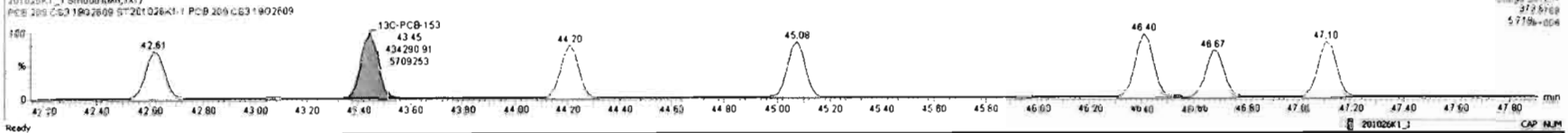
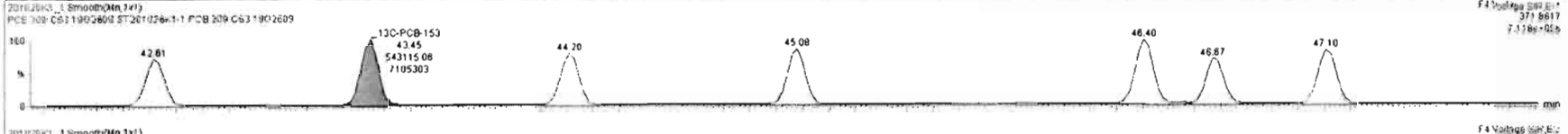
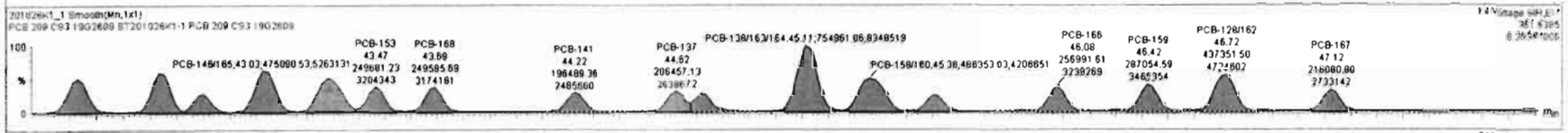
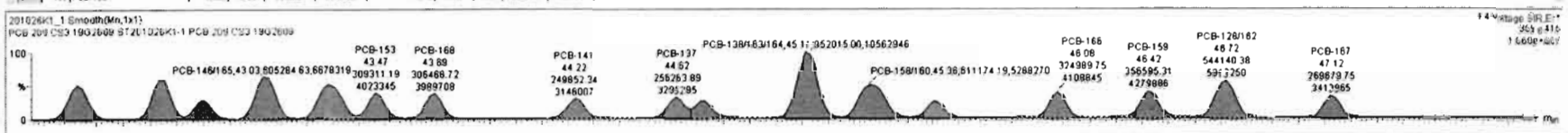
**PFK4b**





#	Name	Resp	RA	rvy	RRF	wtAvg	Pred.RT	RT	Pred.R	RRT	RRT1	Conc.	%Rec	DL	EMPC
227	227 3rd Function Tri-PCBs				0.9828	1.000	0.000	0.000	0.000			NO	965.4	0.739	965.4
228	228 Total Tetra-PCBs				1.0778	1.000	0.000	0.000	0.000			NO	2356	1.33	2356
229	229 3rd Function Penta-PCBs				1.3157	1.000	0.000	0.000	0.000			NO	2165	1.22	2165
230	230 4th Function Penta-PCBs				1.0735	1.000	0.000	0.000	0.000			NO	292.5	0.162	292.5
231	231 3rd Function Hexa-PCBs				0.9505	1.000	0.000	0.000	0.000			NO	791.2	0.547	791.2
232	232 4th Function Hexa-PCBs				1.0316	1.000	0.000	0.000	0.000			NO	1522	1.07	1522
233	233 Total Hepta-PCBs				1.3551	1.000	0.000	0.000	0.000			NO	1292	2.00	1292

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	rvy	EMPC	Conc.
1	111 PCB-134/143	42.33	42.33	4.731e5	2.777e5	1.240	1.25	NO	114.69	114.69
2	112 PCB-131/133	42.85	42.83	5.072e5	3.987e5	1.240	1.28	NO	112.44	112.44
3	113 PCB-142	42.81	42.80	2.261e5	1.810e5	1.240	1.25	NO	55.223	55.223
4	114 PCB-146/165	43.05	43.03	6.053e5	4.751e5	1.240	1.27	NO	108.73	108.73
5	115 PCB-132/161	43.29	43.28	5.985e5	4.683e5	1.240	1.28	NO	106.58	106.58
6	116 PCB-153	43.46	43.47	3.093e5	2.497e5	1.240	1.24	NO	53.421	53.421
7	117 PCB-168	43.69	43.69	3.065e5	2.496e5	1.240	1.23	NO	52.811	52.811



Dataset: Untitled

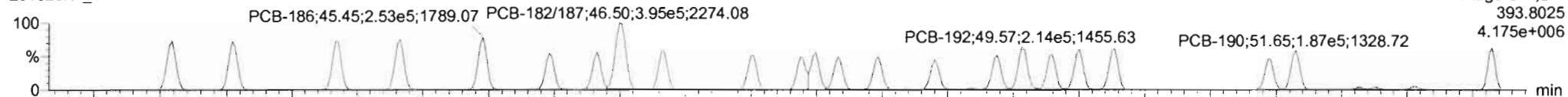
Last Altered: Monday, October 26, 2020 11:13:09 Pacific Daylight Time

Printed: Monday, October 26, 2020 11:13:20 Pacific Daylight Time

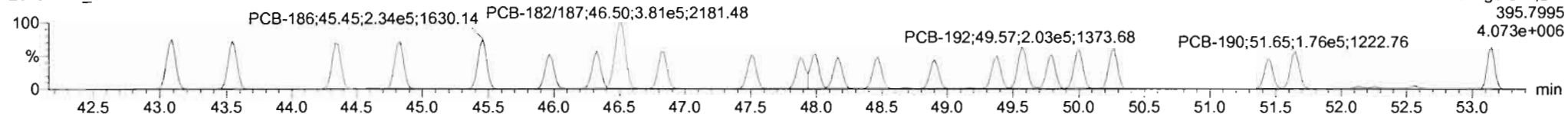
Name: 201026K1\_1, Date: 26-Oct-2020, Time: 09:33:41, ID: ST201026K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

### PCB-188

201026K1\_1

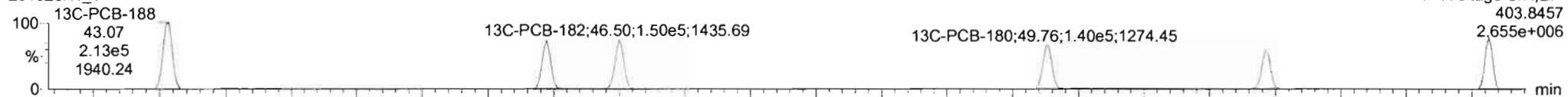


201026K1\_1

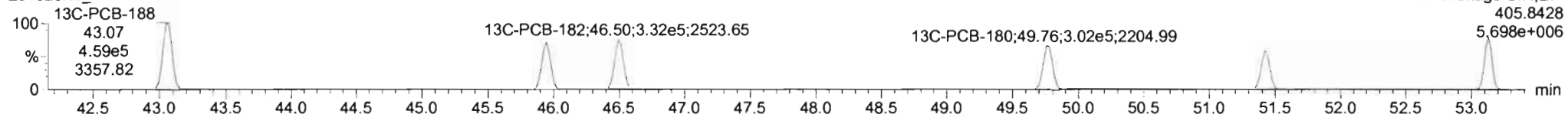


### 13C-PCB-188

201026K1\_1

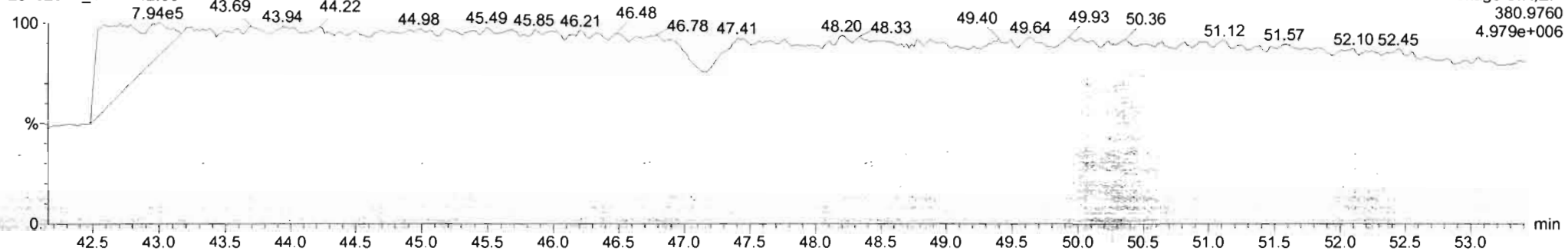


201026K1\_1



### PFK4c

201026K1\_1



Dataset: Untitled

Last Altered: Monday, October 26, 2020 11:13:09 Pacific Daylight Time  
Printed: Monday, October 26, 2020 11:13:20 Pacific Daylight Time

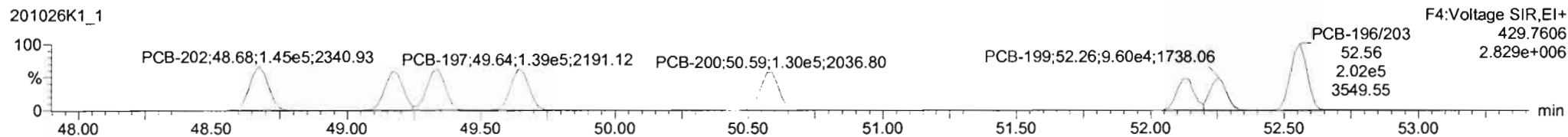
Name: 201026K1\_1, Date: 26-Oct-2020, Time: 09:33:41, ID: ST201026K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

**PCB-202**

201026K1\_1

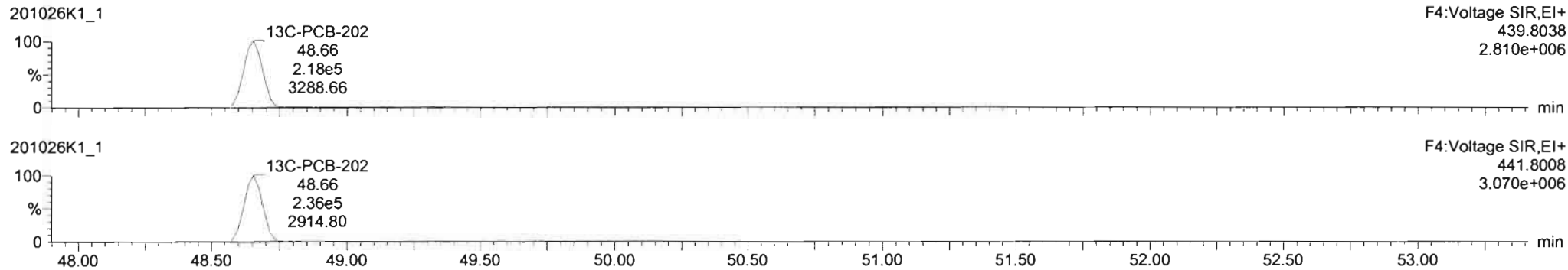


201026K1\_1

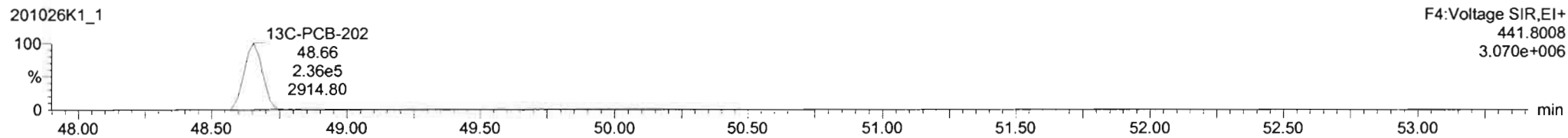


**13C-PCB-202**

201026K1\_1

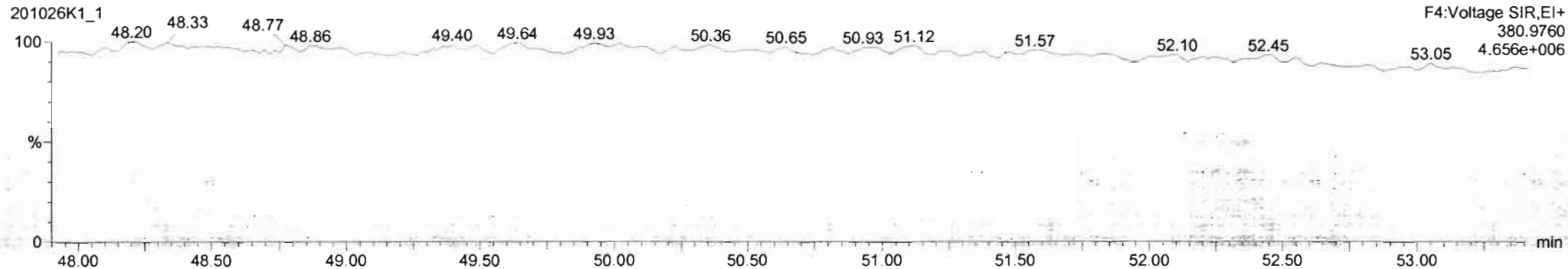


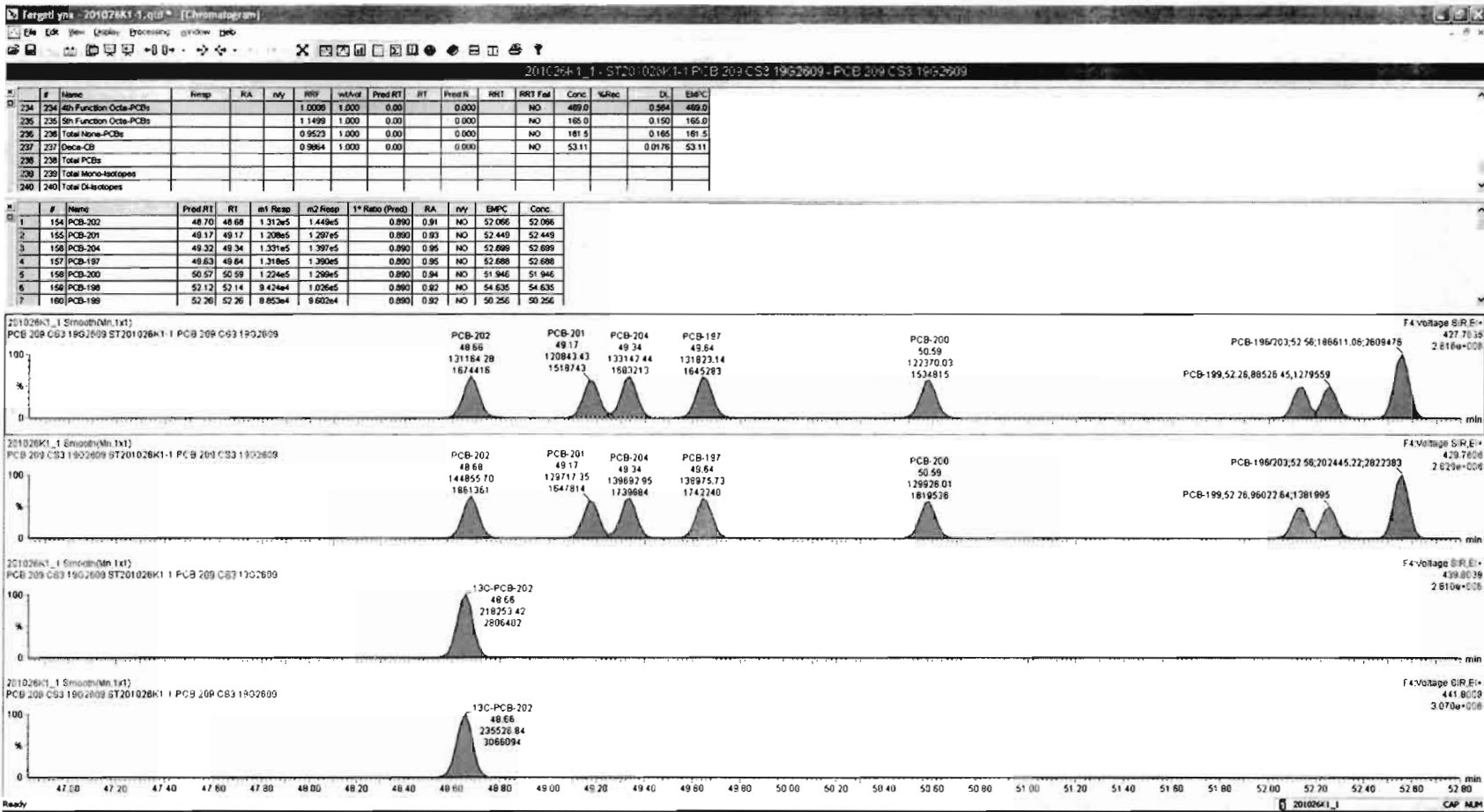
201026K1\_1



**PFK4d**

201026K1\_1





Dataset: Untitled

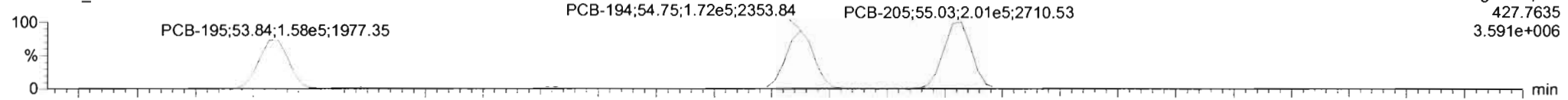
Last Altered: Monday, October 26, 2020 11:13:09 Pacific Daylight Time

Printed: Monday, October 26, 2020 11:13:20 Pacific Daylight Time

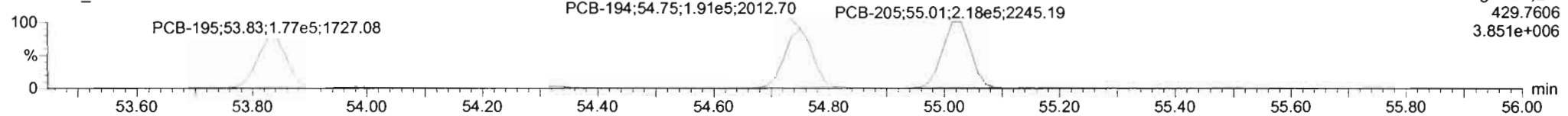
Name: 201026K1\_1, Date: 26-Oct-2020, Time: 09:33:41, ID: ST201026K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

**PCB-195**

201026K1\_1

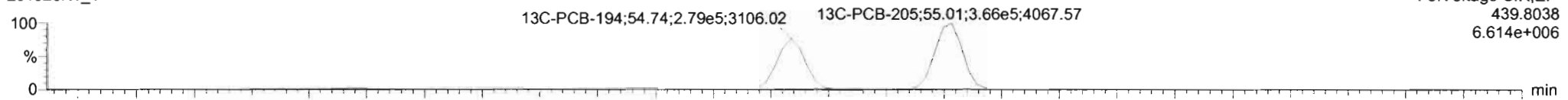


201026K1\_1

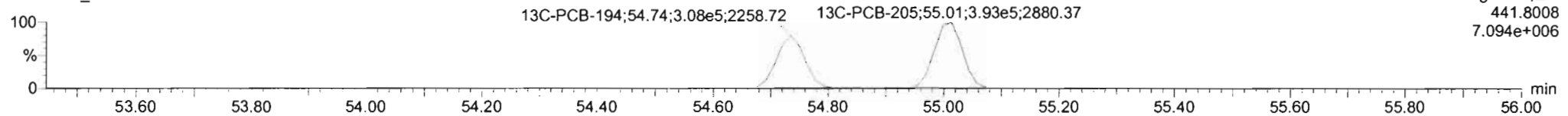


**13C-PCB-194**

201026K1\_1

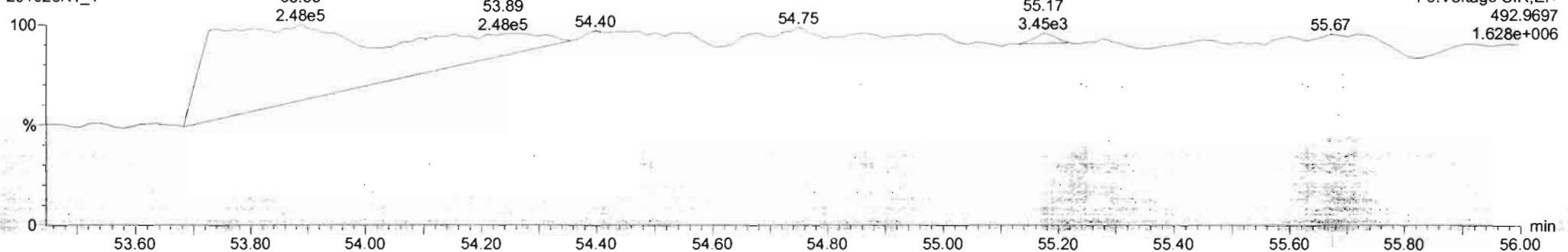


201026K1\_1



**PFK5a**

201026K1\_1



Dataset: Untitled

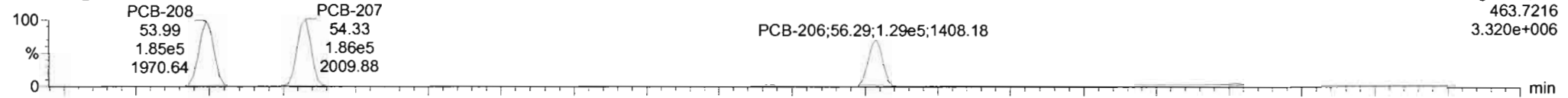
Last Altered: Monday, October 26, 2020 11:13:09 Pacific Daylight Time

Printed: Monday, October 26, 2020 11:13:20 Pacific Daylight Time

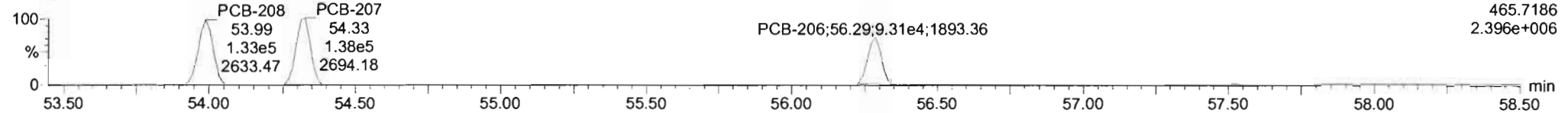
Name: 201026K1\_1, Date: 26-Oct-2020, Time: 09:33:41, ID: ST201026K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

**PCB-208**

201026K1\_1

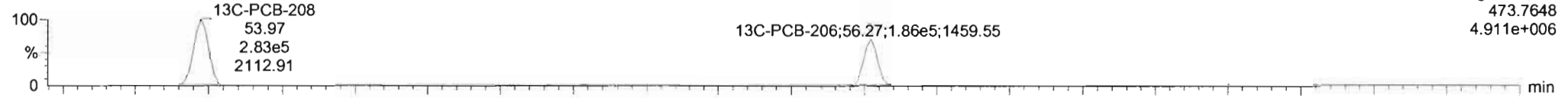


201026K1\_1

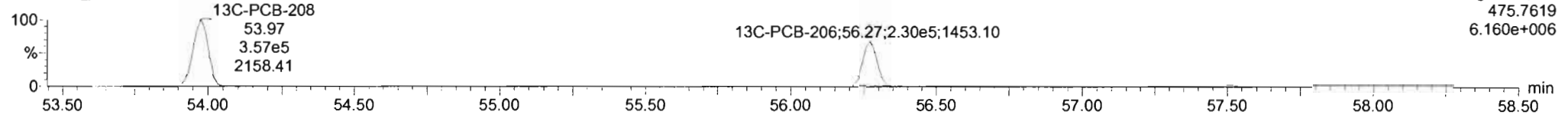


**13C-PCB-208**

201026K1\_1

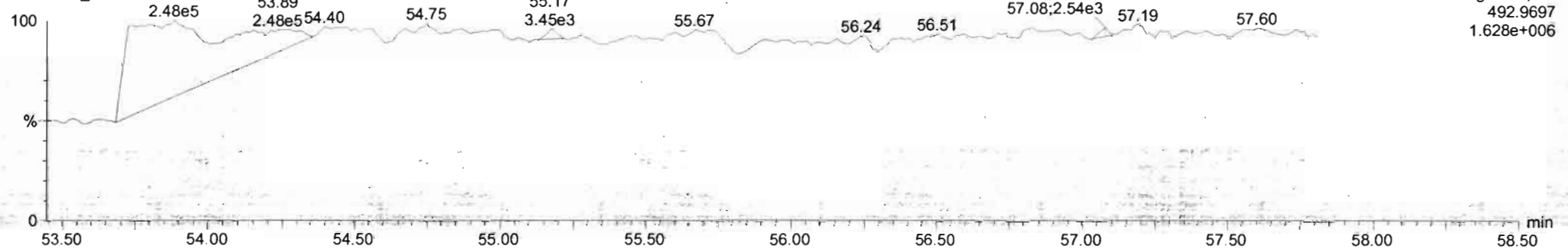


201026K1\_1



**PFK5**

201026K1\_1



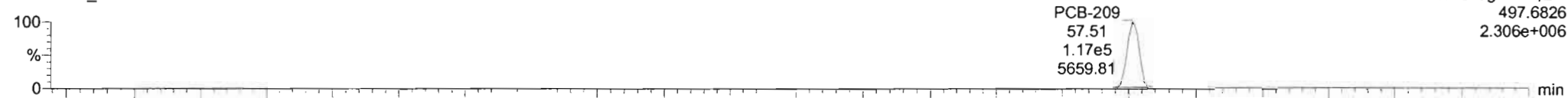
Dataset: Untitled

Last Altered: Monday, October 26, 2020 11:13:09 Pacific Daylight Time  
Printed: Monday, October 26, 2020 11:13:20 Pacific Daylight Time

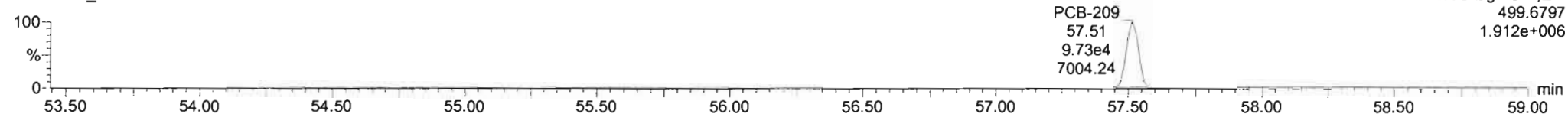
Name: 201026K1\_1, Date: 26-Oct-2020, Time: 09:33:41, ID: ST201026K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

**PCB-209**

201026K1\_1



201026K1\_1

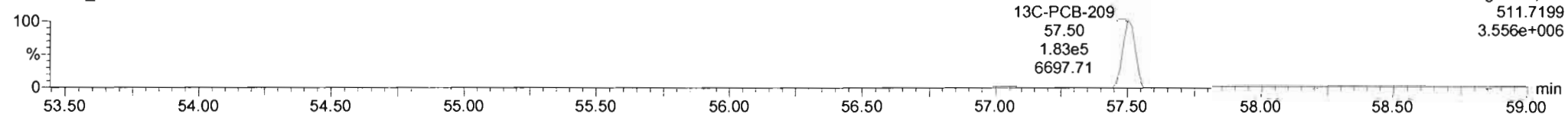


**13C-PCB-209**

201026K1\_1

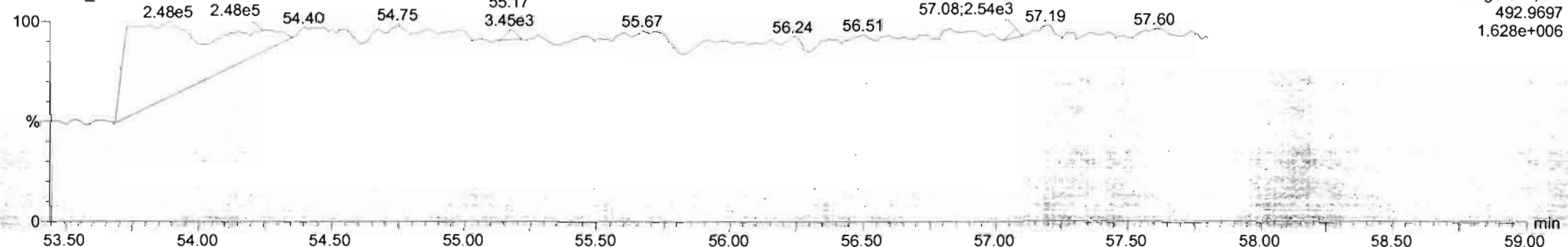


201026K1\_1



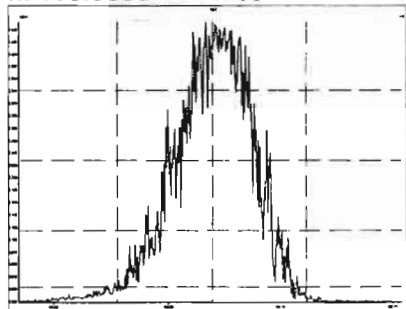
**PFK5b**

201026K1\_1

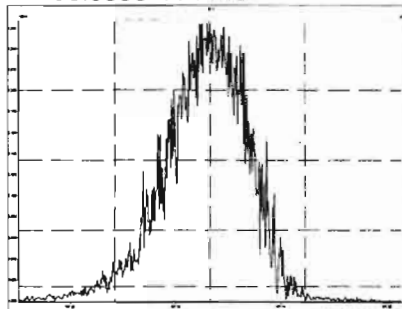


Printed: Monday, October 26, 2020 21:45:07 Pacific Daylight Time

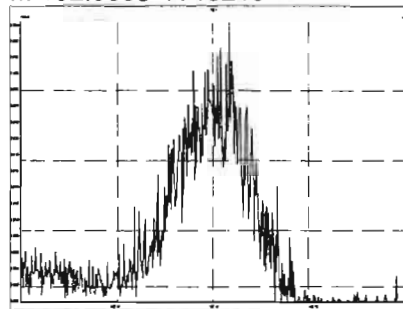
M 168.9888 R 11769



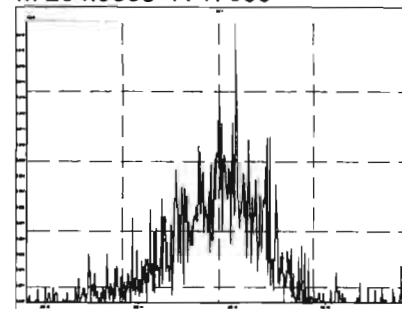
M 180.9888 R 11467



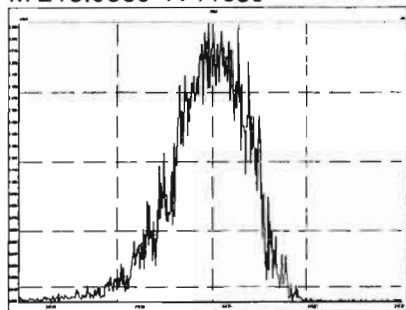
M 192.9888 R 13219



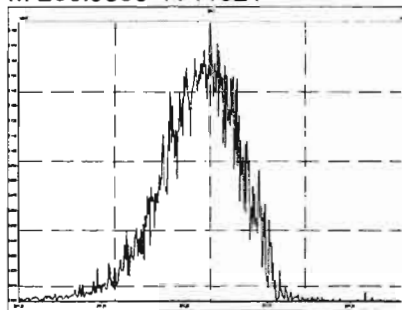
M 204.9888 R 17066



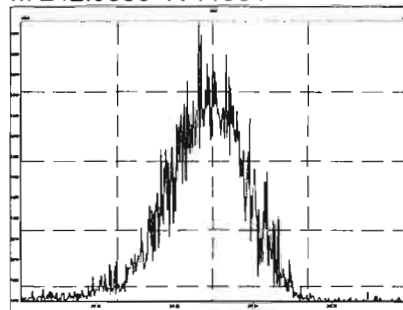
M 218.9856 R 11580



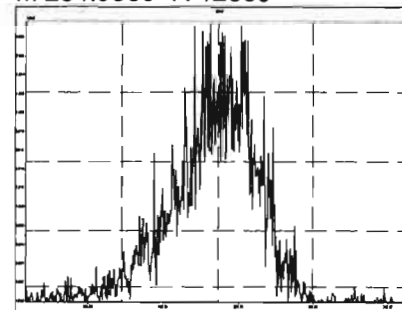
M 230.9856 R 11921



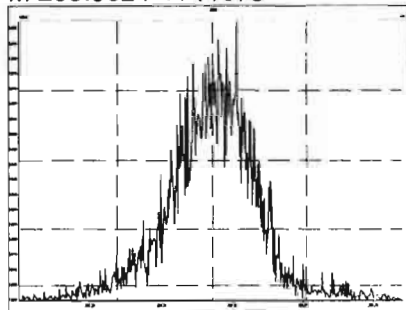
M 242.9856 R 11554



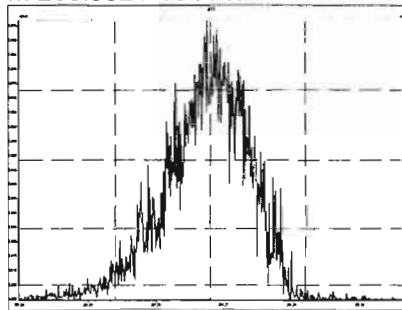
M 254.9856 R 12559



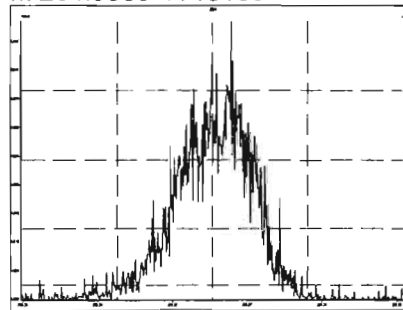
M 268.9824 R 11575



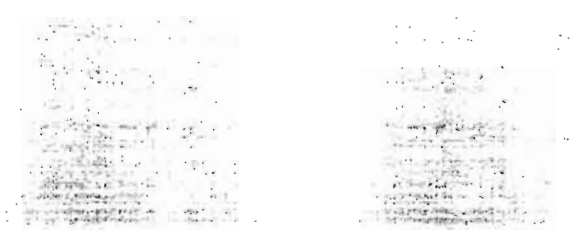
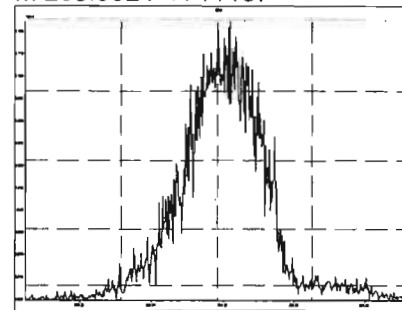
M 280.9824 R 11462



M 254.9856 R 13158



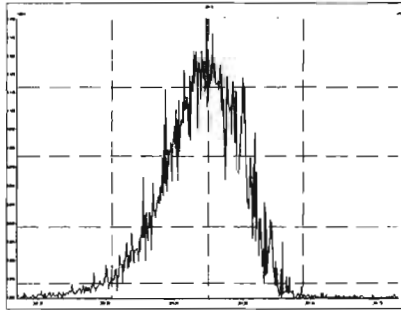
M 268.9824 R 11137



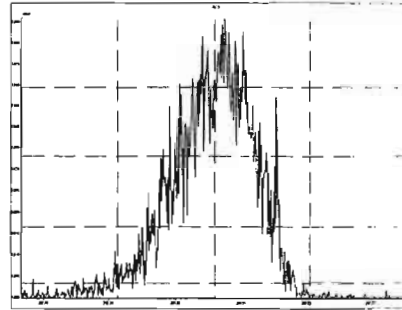


Printed: Monday, October 26, 2020 21:45:07 Pacific Daylight Time

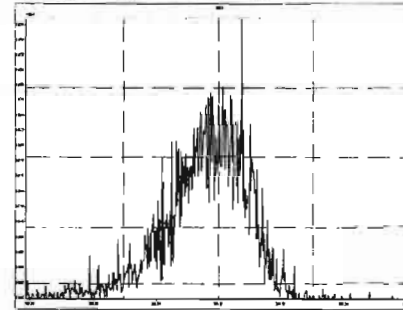
M 280.9824 R 12915



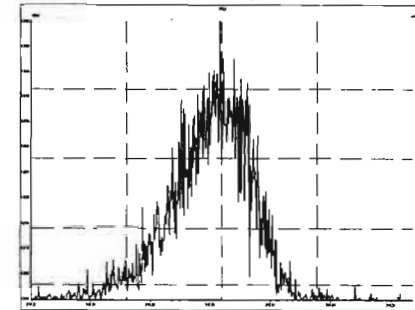
M 292.9824 R 13213



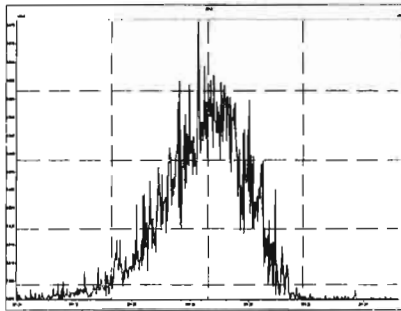
M 304.9824 R 13041



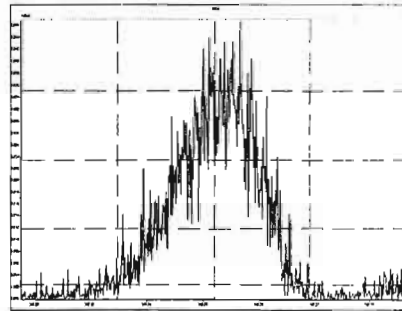
M 318.9792 R 13667



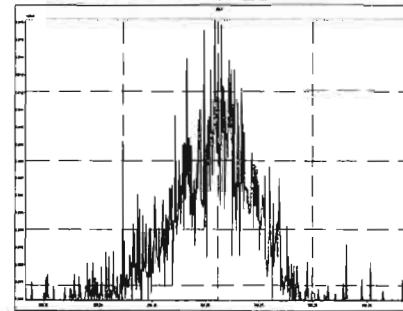
M 330.9792 R 12114



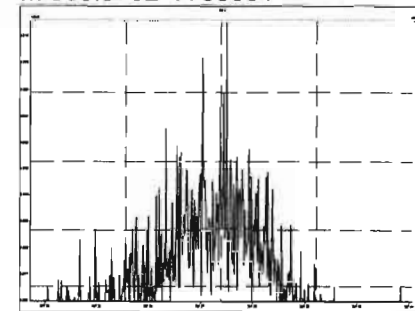
M 342.9792 R 11940



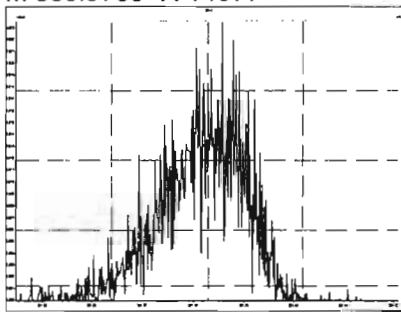
M 354.9792 R 15723



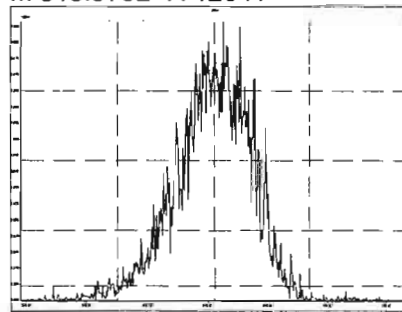
M 366.9792 R 58001



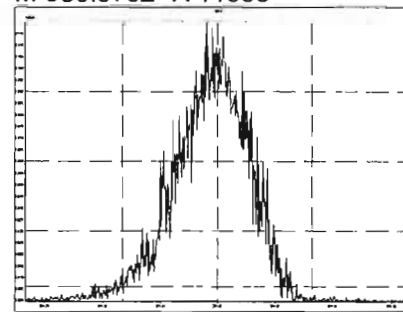
M 380.9760 R 14577



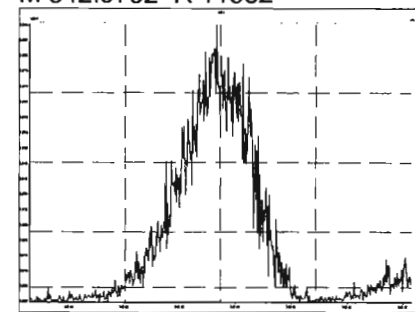
M 318.9792 R 12041



M 330.9792 R 11598

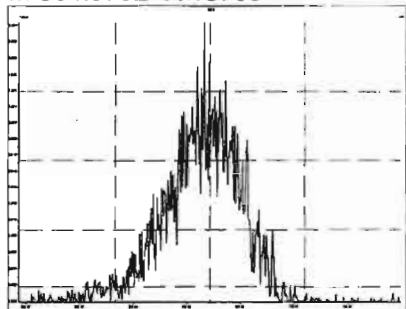


M 342.9792 R 11582

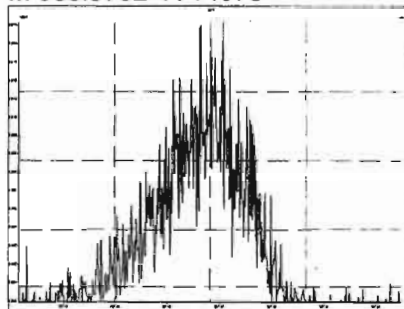


Printed: Monday, October 26, 2020 21:45:07 Pacific Daylight Time

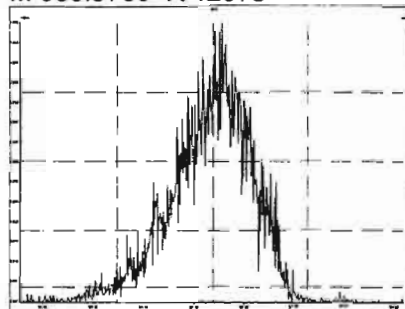
M 354.9792 R 13700



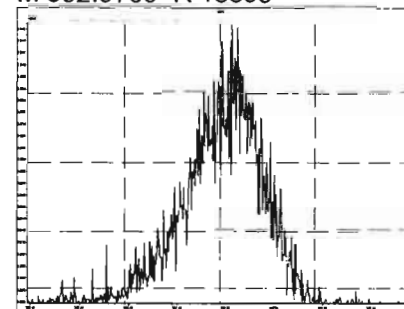
M 366.9792 R 14078



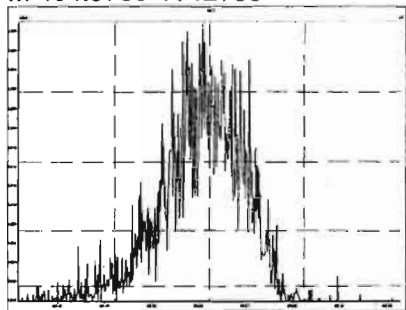
M 380.9760 R 12078



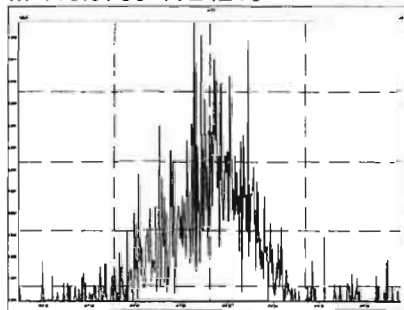
M 392.9760 R 13399



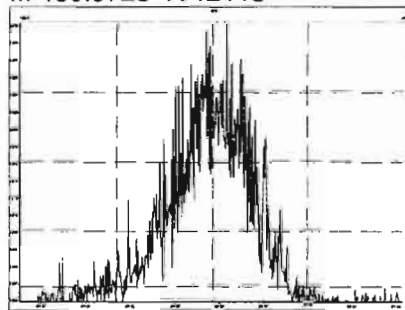
M 404.9760 R 12736



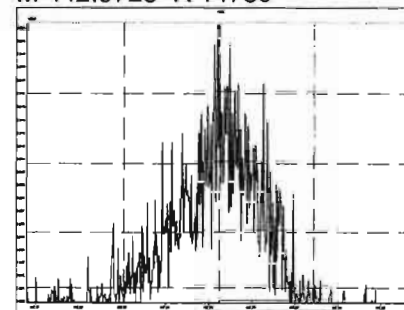
M 416.9760 R 24210



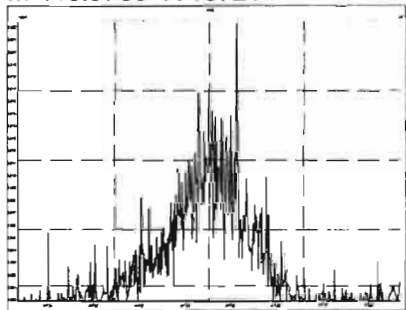
M 430.9728 R 12118



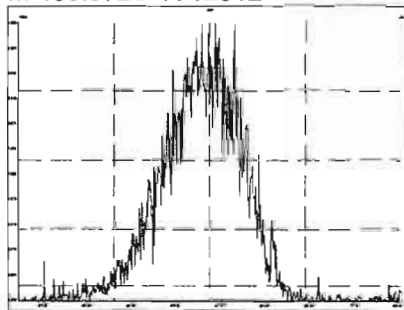
M 442.9728 R 14730



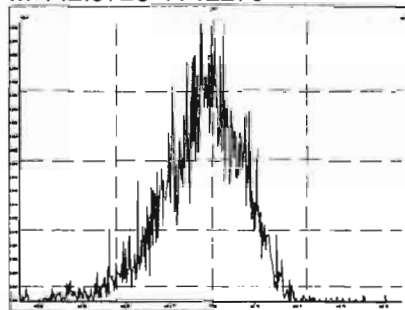
M 416.9760 R 13721



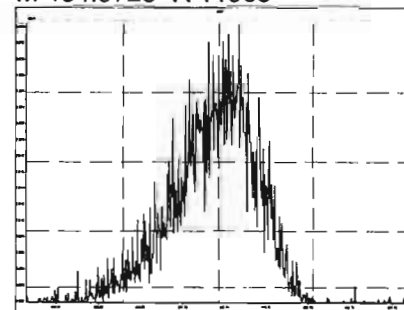
M 430.9728 R 12312



M 442.9728 R 12278

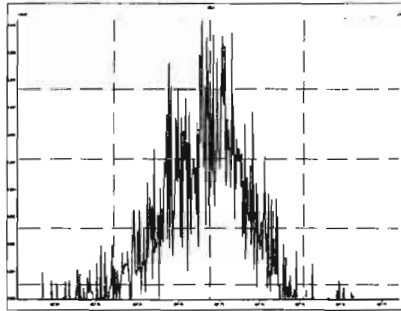


M 454.9728 R 11963

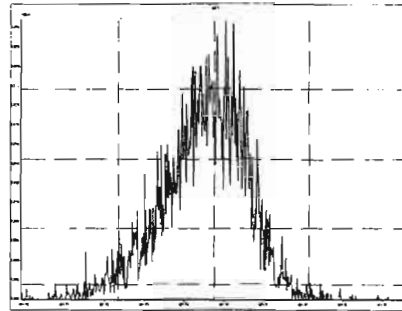


Printed: Monday, October 26, 2020 21:45:07 Pacific Daylight Time

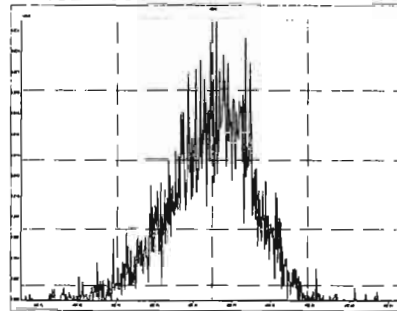
M 466.9728 R 16867



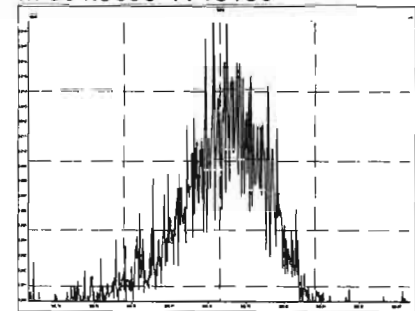
M 480.9696 R 12531



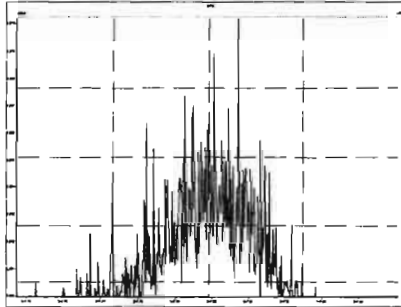
M 492.9696 R 12471



M 504.9696 R 13156



M 516.9697 R 21945



# HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST201026K2-1

Reviewed By: HIV 10/27/2020  
*Initials & Date*

End Calibration ID: NA

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

	<u>Beg.</u>	<u>End</u>
Mass resolution $\geq$	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> 5k <input type="checkbox"/> 6-8K <input type="checkbox"/> 8K <input checked="" type="checkbox"/> 10K 1614    1699    429    1613/1668/8280		
Intergrated peaks display correctly?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> <u>NA</u>
GC Break <20%		<input checked="" type="checkbox"/> <u>NA</u>
<b><u>8280 CS1 End Standard:</u></b>		
- Ratios within limits, S/N <2.5:1, CS1 within 12 hours		<input checked="" type="checkbox"/> <u>NA</u>

**Comments:**

Dataset: U:\VG11.PRO\Results\201026K2\201026K2-2.qld

Last Altered: Tuesday, October 27, 2020 11:37:34 Pacific Daylight Time  
Printed: Tuesday, October 27, 2020 11:38:01 Pacific Daylight Time

HC 10/27/2020

HN 10/27/2020

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_10-24-20.mdb 24 Oct 2020 13:45:57  
Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-6-1-20.cdb 02 Jun 2020 10:21:16

Name: 201026K2\_2, Date: 26-Oct-2020, Time: 22:43:55, ID: ST201026K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1	1.69e6	3.16	NO	1.17	1.000	15.59	15.60	1.001	1.001	NO	55.02	110 <sup>75-120</sup>	0.00805	55.02
2	2 PCB-2	1.79e6	3.23	NO	1.18	1.000	18.01	18.01	0.988	0.988	NO	55.46	111	0.00788	55.46
3	3 PCB-3	1.76e6	3.20	NO	1.15	1.000	18.23	18.25	1.001	1.001	NO	56.10	112	0.00812	56.10
4	4 PCB-4/10	3.06e6	1.57	NO	1.25	1.000	19.66	19.66	1.004	1.004	NO	114.5	114	0.0216	114.5
5	5 PCB-7/9	3.82e6	1.56	NO	0.960	1.000	21.46	21.44	1.003	1.002	NO	114.4	114	0.0176	114.4
6	6 PCB-6	2.03e6	1.58	NO	1.02	1.000	22.11	22.11	1.033	1.033	NO	56.94	114	0.0165	56.94
7	7 PCB-5/8	3.99e6	1.57	NO	0.992	1.000	22.52	22.53	1.052	1.053	NO	115.5	116	0.0170	115.5
8	8 PCB-14	2.00e6	1.56	NO	1.02	1.000	23.66	23.66	0.951	0.951	NO	57.75	116	0.0177	57.75
9	9 PCB-11	2.17e6	1.61	NO	1.13	1.000	24.89	24.89	1.001	1.001	NO	56.51	113	0.0159	56.51
10	10 PCB-12/13	4.07e6	1.59	NO	1.03	1.000	25.32	25.26	1.018	1.016	NO	116.3	116	0.0175	116.3
11	11 PCB-15	2.09e6	1.60	NO	1.03	1.000	25.61	25.61	1.030	1.030	NO	59.29	119	0.0174	59.29
12	12 PCB-19	8.92e5	1.04	NO	1.11	1.000	23.85	23.84	1.001	1.001	NO	53.63	107	0.0145	53.63
13	13 PCB-30	1.45e6	1.04	NO	1.79	1.000	24.75	24.75	1.039	1.039	NO	53.77	108	0.00897	53.77
14	14 PCB-18	9.80e5	1.04	NO	0.818	1.000	25.53	25.53	0.952	0.952	NO	54.20	108	0.0142	54.20
15	15 PCB-17	9.29e5	1.04	NO	0.758	1.000	25.71	25.70	0.959	0.958	NO	55.41	111	0.0154	55.41
16	16 PCB-24/27	2.58e6	1.05	NO	1.08	1.000	26.31	26.29	0.981	0.980	NO	107.7	108	0.0108	107.7
17	17 PCB-16/32	2.21e6	1.04	NO	0.925	1.000	26.84	26.84	1.001	1.001	NO	108.0	108	0.0126	108.0
18	18 PCB-34	1.78e6	1.05	NO	0.945	1.000	27.64	27.64	0.959	0.959	NO	56.68	113	0.0204	56.68
19	19 PCB-23	1.69e6	1.05	NO	0.883	1.000	27.73	27.75	0.962	0.963	NO	57.61	115	0.0219	57.61
20	20 PCB-29	1.70e6	1.05	NO	0.893	1.000	27.99	27.99	0.971	0.971	NO	57.39	115	0.0216	57.39
21	21 PCB-26	1.78e6	1.05	NO	0.944	1.000	28.22	28.22	0.979	0.979	NO	56.72	113	0.0205	56.72
22	22 PCB-25	1.79e6	1.06	NO	0.950	1.000	28.37	28.39	0.984	0.985	NO	56.73	113	0.0203	56.73
23	23 PCB-31	1.98e6	1.05	NO	1.04	1.000	28.75	28.74	0.997	0.997	NO	57.70	115	0.0186	57.70
24	24 PCB-28	1.99e6	1.06	NO	1.03	1.000	28.85	28.85	1.001	1.001	NO	58.69	117	0.0189	58.69
25	25 PCB-20/21/33	5.29e6	1.06	NO	0.941	1.000	29.49	29.48	1.023	1.023	NO	169.4	113	0.0205	169.4
26	26 PCB-22	1.88e6	1.04	NO	0.973	1.000	29.93	29.95	1.038	1.039	NO	58.38	117	0.0199	58.38
27	27 PCB-36	1.95e6	1.06	NO	1.08	1.000	30.58	30.58	0.931	0.931	NO	57.88	116	0.0197	57.88
28	28 PCB-39	1.80e6	1.07	NO	0.988	1.000	31.08	31.06	0.947	0.946	NO	58.07	116	0.0215	58.07
29	29 PCB-38	1.88e6	1.05	NO	1.05	1.000	31.86	31.86	0.970	0.971	NO	56.89	114	0.0202	56.89
30	30 PCB-35	1.87e6	1.04	NO	1.04	1.000	32.41	32.40	0.987	0.987	NO	57.16	114	0.0204	57.16
31	31 PCB-37	1.88e6	1.05	NO	1.01	1.000	32.85	32.85	1.001	1.001	NO	59.28	119	0.0211	59.28
32	32 PCB-54	1.22e6	0.78	NO	1.08	1.000	27.68	27.70	1.001	1.001	NO	54.71	109	0.0278	54.71

Dataset: U:\VG11.PRO\Results\201026K2\201026K2-2.qld

Last Altered: Tuesday, October 27, 2020 11:37:34 Pacific Daylight Time  
Printed: Tuesday, October 27, 2020 11:38:01 Pacific Daylight Time

Name: 201026K2\_2, Date: 26-Oct-2020, Time: 22:43:55, ID: ST201026K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
33	33 PCB-50	9.89e5	0.78	NO	0.880	1.000	28.89	28.91	1.044	1.045	NO	54.54	109	0.0342	54.54
34	34 PCB-53	9.14e5	0.78	NO	0.997	1.000	29.56	29.56	0.944	0.944	NO	54.44	109	0.0362	54.44
35	35 PCB-51	9.83e5	0.78	NO	1.07	1.000	29.92	29.91	0.955	0.955	NO	54.80	110	0.0339	54.80
36	36 PCB-45	8.01e5	0.79	NO	0.858	1.000	30.36	30.36	0.969	0.969	NO	55.40	111	0.0421	55.40
37	37 PCB-46	7.59e5	0.79	NO	0.831	1.000	30.86	30.86	0.985	0.985	NO	54.25	109	0.0435	54.25
38	38 PCB-52/69	2.11e6	0.79	NO	1.17	1.000	31.36	31.36	1.001	1.001	NO	107.4	107	0.0310	107.4
39	39 PCB-73	1.38e6	0.79	NO	1.44	1.000	31.48	31.47	1.005	1.005	NO	56.59	113	0.0250	56.59
40	40 PCB-43/49	1.89e6	0.78	NO	1.02	1.000	31.65	31.64	1.010	1.010	NO	110.2	110	0.0355	110.2
41	41 PCB-47	9.73e5	0.78	NO	0.922	1.000	31.87	31.86	1.001	1.001	NO	59.08	118	0.0372	59.08
42	42 PCB-48/75	2.12e6	0.78	NO	1.12	1.000	31.98	31.98	1.004	1.004	NO	106.1	106	0.0306	106.1
43	43 PCB-65	1.24e6	0.80	NO	1.28	1.000	32.26	32.26	1.013	1.013	NO	53.98	108	0.0267	53.98
44	44 PCB-62	1.10e6	0.78	NO	1.13	1.000	32.35	32.37	1.016	1.016	NO	54.44	109	0.0304	54.44
45	45 PCB-44	8.03e5	0.78	NO	0.824	1.000	32.68	32.68	1.026	1.026	NO	54.56	109	0.0416	54.56
46	46 PCB-42/59	2.06e6	0.78	NO	1.05	1.000	32.91	32.91	1.033	1.033	NO	109.8	110	0.0326	109.8
47	47 PCB-41/64/71/72	4.67e6	0.80	NO	1.19	1.000	33.52	33.52	1.053	1.053	NO	220.4	110	0.0288	220.4
48	48 PCB-68	1.25e6	0.79	NO	1.28	1.000	33.78	33.80	1.061	1.061	NO	54.81	110	0.0268	54.81
49	49 PCB-40	6.16e5	0.79	NO	0.602	1.000	34.00	34.01	1.067	1.068	NO	57.24	114	0.0569	57.24
50	50 PCB-57	1.35e6	0.79	NO	1.16	1.000	34.38	34.38	0.969	0.969	NO	54.29	109	0.0250	54.29
51	51 PCB-67	1.30e6	0.77	NO	1.08	1.000	34.69	34.69	0.978	0.978	NO	56.12	112	0.0268	56.12
52	52 PCB-58	1.33e6	0.79	NO	1.20	1.000	34.82	34.82	0.982	0.982	NO	51.85	104	0.0241	51.85
53	53 PCB-63	1.25e6	0.80	NO	1.07	1.000	34.97	34.99	0.986	0.986	NO	54.59	109	0.0271	54.59
54	54 PCB-74	1.37e6	0.78	NO	1.19	1.000	35.28	35.27	0.994	0.994	NO	54.07	108	0.0245	54.07
55	55 PCB-61/70	2.52e6	0.79	NO	1.05	1.000	35.49	35.42	1.000	0.998	NO	112.0	112	0.0276	112.0
56	56 PCB-76/66	2.71e6	0.79	NO	1.16	1.000	35.68	35.66	1.006	1.005	NO	108.8	109	0.0250	108.8
57	57 PCB-80	1.39e6	0.80	NO	1.19	1.000	35.95	35.94	1.001	1.001	NO	53.75	108	0.0242	53.75
58	58 PCB-55	1.46e6	0.78	NO	1.17	1.000	36.28	36.26	1.010	1.009	NO	57.38	115	0.0245	57.38
59	59 PCB-56/60	2.46e6	0.78	NO	1.02	1.000	36.77	36.76	1.024	1.023	NO	111.0	111	0.0282	111.0
60	60 PCB-79	1.37e6	0.79	NO	1.14	1.000	37.90	37.88	1.055	1.054	NO	55.16	110	0.0252	55.16
61	61 PCB-78	1.32e6	0.79	NO	1.14	1.000	38.60	38.60	0.987	0.987	NO	54.49	109	0.0270	54.49
62	62 PCB-81	1.17e6	0.83	NO	1.05	1.000	39.14	39.14	1.000	1.000	NO	52.14	104	0.0293	52.14
63	63 PCB-77	1.28e6	0.78	NO	1.14	1.000	39.76	39.76	1.000	1.000	NO	53.81	108	0.0277	53.81
64	64 PCB-104	7.74e5	1.60	NO	1.12	1.000	32.54	32.53	1.001	1.001	NO	54.70	109	0.0176	54.70
65	65 PCB-96	7.96e5	1.61	NO	1.15	1.000	33.84	33.84	1.041	1.041	NO	54.71	109	0.0171	54.71
66	66 PCB-103	6.25e5	1.67	NO	0.936	1.000	34.40	34.40	1.058	1.058	NO	52.89	106	0.0211	52.89
67	67 PCB-100	6.47e5	1.60	NO	0.954	1.000	34.77	34.77	1.069	1.069	NO	53.81	108	0.0207	53.81
68	68 PCB-94	5.15e5	1.63	NO	0.949	1.000	35.25	35.25	0.985	0.985	NO	53.06	106	0.0266	53.06

Dataset: U:\VG11.PRO\Results\201026K2\201026K2-2.qld

Last Altered: Tuesday, October 27, 2020 11:37:34 Pacific Daylight Time

Printed: Tuesday, October 27, 2020 11:38:01 Pacific Daylight Time

Name: 201026K2\_2, Date: 26-Oct-2020, Time: 22:43:55, ID: ST201026K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
69	69 PCB-95/98/102	1.97e6	1.60	NO	1.20	1.000	35.72	35.74	0.999	0.999	NO	159.8	107.5-125.1	0.0210	159.8
70	70 PCB-93	5.14e5	1.64	NO	0.935	1.000	35.87	35.88	1.003	1.003	NO	53.81	108	0.0270	53.81
71	71 PCB-88/91	1.15e6	1.62	NO	1.06	1.000	36.20	36.22	1.012	1.012	NO	105.5	105	0.0237	105.5
72	72 PCB-121	9.38e5	1.62	NO	1.71	1.000	36.31	36.31	1.015	1.015	NO	53.67	107	0.0148	53.67
73	73 PCB-84/92	1.10e6	1.60	NO	1.02	1.000	37.15	37.15	0.990	0.990	NO	104.6	105	0.0248	104.6
74	74 PCB-89	6.01e5	1.61	NO	1.11	1.000	37.34	37.33	0.995	0.995	NO	52.79	106	0.0228	52.79
75	75 PCB-90/101	1.21e6	1.60	NO	1.12	1.000	37.53	37.54	1.000	1.001	NO	104.4	104	0.0225	104.4
76	76 PCB-113	8.05e5	1.61	NO	1.51	1.000	37.78	37.78	1.007	1.007	NO	51.62	103	0.0167	51.62
77	77 PCB-99	7.21e5	1.62	NO	1.32	1.000	37.88	37.89	1.010	1.010	NO	52.97	106	0.0191	52.97
78	78 PCB-119	8.36e5	1.60	NO	1.81	1.000	38.36	38.36	0.987	0.987	NO	51.08	102	0.0160	51.08
79	79 PCB-108/112	1.41e6	1.61	NO	1.44	1.000	38.52	38.53	0.991	0.991	NO	107.9	108	0.0201	107.9
80	80 PCB-83	8.55e5	1.64	NO	1.83	1.000	38.69	38.69	0.996	0.996	NO	51.50	103	0.0158	51.50
81	81 PCB-97	6.01e5	1.64	NO	1.28	1.000	38.88	38.90	1.000	1.001	NO	51.67	103	0.0226	51.67
82	82 PCB-86	5.48e5	1.62	NO	1.12	1.000	39.05	39.05	1.005	1.005	NO	54.10	108	0.0259	54.10
83	83 PCB-87/117/125	2.29e6	1.64	NO	1.56	1.000	39.17	39.18	1.008	1.008	NO	162.3	108	0.0186	162.3
84	84 PCB-111/115	1.72e6	1.62	NO	1.91	1.000	39.33	39.35	1.012	1.012	NO	99.46	99.5	0.0152	99.46
85	85 PCB-85/116	1.39e6	1.62	NO	1.41	1.000	39.46	39.46	1.015	1.015	NO	108.5	109	0.0205	108.5
86	86 PCB-120	9.34e5	1.59	NO	2.01	1.000	39.72	39.74	1.022	1.023	NO	51.39	103	0.0145	51.39
87	87 PCB-110	8.50e5	1.60	NO	1.74	1.000	39.87	39.87	1.026	1.026	NO	53.81	108	0.0166	53.81
88	88 PCB-82	5.21e5	1.60	NO	0.781	1.000	40.50	40.50	0.975	0.975	NO	55.69	111	0.0271	55.69
89	89 PCB-124	8.77e5	1.59	NO	1.40	1.000	41.21	41.22	0.993	0.993	NO	52.45	105	0.0152	52.45
90	90 PCB-107/109	1.75e6	1.62	NO	1.34	1.000	41.35	41.37	0.996	0.996	NO	108.6	109	0.0158	108.6
91	91 PCB-123	7.82e5	1.63	NO	1.20	1.000	41.54	41.54	1.000	1.000	NO	54.55	109	0.0177	54.55
92	92 PCB-106/118	1.68e6	1.61	NO	1.22	1.000	41.75	41.75	1.001	1.001	NO	109.5	109	0.0165	109.5
93	93 PCB-114	1.42e6	1.58	NO	1.14	1.000	42.41	42.40	1.000	1.000	NO	55.19	110	0.0185	55.19
94	94 PCB-122	1.22e6	1.59	NO	0.944	1.000	42.55	42.54	1.004	1.004	NO	57.25	115	0.0224	57.25
95	95 PCB-105	1.33e6	1.59	NO	1.05	1.000	43.29	43.29	1.000	1.000	NO	55.11	110	0.0197	55.11
96	96 PCB-127	1.44e6	1.58	NO	1.06	1.000	43.65	43.65	1.000	1.000	NO	56.33	113	0.0188	56.33
97	97 PCB-126	1.41e6	1.59	NO	1.17	1.000	45.61	45.61	1.000	1.000	NO	56.40	113	0.0192	56.40
98	98 PCB-155	3.98e5	1.29	NO	1.04	1.000	37.07	37.08	1.000	1.001	NO	52.20	104	0.0109	52.20
99	99 PCB-150	4.22e5	1.32	NO	1.08	1.000	38.38	38.38	1.036	1.036	NO	53.32	107	0.0105	53.32
100	1... PCB-152	4.65e5	1.34	NO	1.19	1.000	38.86	38.86	1.049	1.049	NO	53.61	107	0.00958	53.61
101	1... PCB-145	4.53e5	1.31	NO	1.19	1.000	39.33	39.33	1.061	1.061	NO	52.14	104	0.00957	52.14
102	1... PCB-136	4.10e5	1.31	NO	1.02	1.000	39.66	39.66	1.070	1.070	NO	54.93	110	0.0111	54.93
103	1... PCB-148	3.20e5	1.31	NO	0.842	1.000	39.76	39.77	1.073	1.073	NO	52.13	104	0.0135	52.13
104	1... PCB-154	3.54e5	1.35	NO	0.919	1.000	40.28	40.29	1.087	1.087	NO	52.76	106	0.0124	52.76

Dataset: U:\VG11.PRO\Results\201026K2\201026K2-2.qld

Last Altered: Tuesday, October 27, 2020 11:37:34 Pacific Daylight Time

Printed: Tuesday, October 27, 2020 11:38:01 Pacific Daylight Time

Name: 201026K2\_2, Date: 26-Oct-2020, Time: 22:43:55, ID: ST201026K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
105	1... PCB-151	3.13e5	1.32	NO	0.787	1.000	40.95	40.94	1.105	1.105	NO	54.54	109	0.0145	54.54
106	1... PCB-135	3.48e5	1.31	NO	0.922	1.000	41.17	41.17	1.111	1.111	NO	51.66	103	0.0123	51.66
107	1... PCB-144	3.25e5	1.32	NO	0.789	1.000	41.28	41.28	1.114	1.114	NO	56.35	113	0.0144	56.35
108	1... PCB-147	3.13e5	1.30	NO	0.834	1.000	41.41	41.41	1.117	1.118	NO	51.38	103	0.0136	51.38
109	1... PCB-139/149	7.43e5	1.34	NO	0.948	1.000	41.70	41.69	1.125	1.125	NO	107.3	107	0.0120	107.3
110	1... PCB-140	3.16e5	1.31	NO	0.794	1.000	41.88	41.88	1.130	1.130	NO	54.46	109	0.0143	54.46
111	1... PCB-134/143	1.47e6	1.27	NO	0.759	1.000	42.33	42.33	0.974	0.974	NO	112.9	113	0.0335	112.9
112	1... PCB-131/133	1.55e6	1.26	NO	0.821	1.000	42.65	42.63	0.982	0.981	NO	109.6	110	0.0310	109.6
113	1... PCB-142	7.06e5	1.26	NO	0.754	1.000	42.81	42.80	0.985	0.985	NO	54.45	109	0.0337	54.45
114	1... PCB-146/165	1.91e6	1.27	NO	1.02	1.000	43.05	43.03	0.991	0.990	NO	109.3	109	0.0250	109.3
115	1... PCB-132/161	1.88e6	1.26	NO	1.02	1.000	43.29	43.28	0.997	0.996	NO	107.0	107	0.0248	107.0
116	1... PCB-153	9.82e5	1.26	NO	1.07	1.000	43.46	43.47	1.000	1.000	NO	53.32	107	0.0238	53.32
117	1... PCB-168	1.01e6	1.28	NO	1.08	1.000	43.69	43.69	1.006	1.006	NO	54.65	109	0.0236	54.65
118	1... PCB-141	7.81e5	1.25	NO	1.03	1.000	44.22	44.22	1.000	1.000	NO	53.94	108	0.0304	53.94
119	1... PCB-137	8.45e5	1.24	NO	1.11	1.000	44.62	44.62	1.009	1.009	NO	53.96	108	0.0281	53.96
120	1... PCB-130	6.83e5	1.28	NO	0.885	1.000	44.71	44.74	1.012	1.012	NO	54.75	109	0.0352	54.75
121	1... PCB-138/163/164	3.05e6	1.28	NO	1.28	1.000	45.11	45.11	1.001	1.001	NO	165.0	110	0.0240	165.0
122	1... PCB-158/160	1.94e6	1.26	NO	1.24	1.000	45.38	45.36	1.007	1.006	NO	109.0	109	0.0248	109.0
123	1... PCB-129	6.67e5	1.28	NO	0.867	1.000	45.61	45.61	1.012	1.012	NO	53.51	107	0.0355	53.51
124	1... PCB-166	1.05e6	1.26	NO	1.14	1.000	46.08	46.08	0.993	0.993	NO	51.62	103	0.0221	51.62
125	1... PCB-159	1.16e6	1.30	NO	1.22	1.000	46.43	46.42	1.001	1.000	NO	53.62	107	0.0208	53.62
126	1... PCB-128/162	1.75e6	1.26	NO	0.907	1.000	46.71	46.72	1.007	1.007	NO	108.5	108	0.0279	108.5
127	1... PCB-167	1.05e6	1.24	NO	1.11	1.000	47.12	47.12	1.000	1.000	NO	53.88	108	0.0229	53.88
128	1... PCB-156	1.03e6	1.27	NO	1.13	1.000	48.45	48.45	1.000	1.000	NO	53.88	108	0.0233	53.88
129	1... PCB-157	9.47e5	1.27	NO	1.04	1.000	48.73	48.73	1.000	1.000	NO	53.97	108	0.0257	53.97
130	1... PCB-169	1.02e6	1.27	NO	1.16	1.000	51.01	51.01	1.000	1.000	NO	54.03	108	0.0240	54.03
131	1... PCB-188	8.62e5	1.05	NO	1.29	1.000	43.09	43.09	1.001	1.001	NO	54.16	108	0.0296	54.16
132	1... PCB-184	8.43e5	1.06	NO	1.23	1.000	43.54	43.54	1.011	1.011	NO	55.46	111	0.0310	55.46
133	1... PCB-179	8.66e5	1.05	NO	1.30	1.000	44.34	44.34	1.030	1.030	NO	54.05	108	0.0294	54.05
134	1... PCB-176	8.56e5	1.06	NO	1.31	1.000	44.83	44.83	1.041	1.041	NO	53.02	106	0.0292	53.02
135	1... PCB-186	8.93e5	1.04	NO	1.33	1.000	45.45	45.45	1.056	1.056	NO	54.46	109	0.0287	54.46
136	1... PCB-178	6.08e5	1.06	NO	0.943	1.000	45.97	45.97	1.068	1.068	NO	52.24	104	0.0405	52.24
137	1... PCB-175	6.52e5	1.05	NO	0.956	1.000	46.33	46.33	1.076	1.076	NO	55.24	110	0.0399	55.24
138	1... PCB-182/187	1.44e6	1.06	NO	1.07	1.000	46.50	46.50	1.080	1.080	NO	109.5	109	0.0358	109.5
139	1... PCB-183	7.01e5	1.04	NO	1.02	1.000	46.82	46.82	1.088	1.088	NO	55.59	111	0.0373	55.59
140	1... PCB-185	6.39e5	1.05	NO	1.41	1.000	47.50	47.50	0.955	0.955	NO	53.39	107	0.0390	53.39

7/12/21



Dataset: U:\VG11.PRO\Results\201026K2\201026K2-2.qld

Last Altered: Tuesday, October 27, 2020 11:37:34 Pacific Daylight Time

Printed: Tuesday, October 27, 2020 11:38:01 Pacific Daylight Time

Name: 201026K2\_2, Date: 26-Oct-2020, Time: 22:43:55, ID: ST201026K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
141	1... PCB-174	6.22e5	1.04	NO	1.35	1.000	47.87	47.88	0.962	0.962	NO	54.00	108	0.0405	54.00
142	1... PCB-181	6.50e5	1.07	NO	1.47	1.000	47.98	47.99	0.964	0.965	NO	51.81	104	0.0372	51.81
143	1... PCB-177	5.79e5	1.04	NO	1.28	1.000	48.16	48.16	0.968	0.968	NO	53.18	106	0.0429	53.18
144	1... PCB-171	5.86e5	1.03	NO	1.32	1.000	48.47	48.47	0.974	0.974	NO	52.33	105	0.0417	52.33
145	1... PCB-173	5.47e5	1.05	NO	1.19	1.000	48.89	48.90	0.983	0.983	NO	54.04	108	0.0461	54.04
146	1... PCB-172	6.30e5	1.05	NO	1.38	1.000	49.36	49.38	0.992	0.992	NO	53.83	108	0.0399	53.83
147	1... PCB-192	8.22e5	1.05	NO	1.83	1.000	49.57	49.57	0.996	0.996	NO	52.88	106	0.0300	52.88
148	1... PCB-180	6.60e5	1.03	NO	1.41	1.000	49.77	49.77	1.000	1.000	NO	54.89	110	0.0388	54.89
149	1... PCB-193	7.59e5	1.04	NO	1.68	1.000	49.99	49.98	1.005	1.005	NO	53.16	106	0.0327	53.16
150	1... PCB-191	7.75e5	1.06	NO	1.71	1.000	50.25	50.25	1.010	1.010	NO	53.24	106	0.0321	53.24
151	1... PCB-170	5.50e5	1.05	NO	1.40	1.000	51.44	51.44	1.000	1.000	NO	54.25	108	0.0439	54.25
152	1... PCB-190	7.23e5	1.05	NO	1.85	1.000	51.65	51.65	1.005	1.004	NO	53.90	108	0.0332	53.90
153	1... PCB-189	7.30e5	1.04	NO	1.45	1.000	53.15	53.13	1.000	1.000	NO	54.11	108	0.0306	54.11
154	1... PCB-202	5.29e5	0.93	NO	1.17	1.000	48.69	48.67	1.001	1.000	NO	52.13	104	0.0186	52.13
155	1... PCB-201	4.85e5	0.93	NO	1.05	1.000	49.17	49.17	1.010	1.011	NO	53.09	106	0.0207	53.09
156	1... PCB-204	5.37e5	0.91	NO	1.14	1.000	49.32	49.34	1.014	1.014	NO	54.15	108	0.0191	54.15
157	1... PCB-197	5.29e5	0.92	NO	1.13	1.000	49.63	49.64	1.020	1.020	NO	53.82	108	0.0192	53.82
158	1... PCB-200	4.95e5	0.92	NO	1.07	1.000	50.57	50.57	1.039	1.039	NO	53.24	106	0.0203	53.24
159	1... PCB-198	3.80e5	0.91	NO	0.794	1.000	52.12	52.12	1.071	1.071	NO	55.15	110	0.0274	55.15
160	1... PCB-199	3.97e5	0.92	NO	0.809	1.000	52.26	52.26	1.074	1.074	NO	56.53	113	0.0269	56.53
161	1... PCB-196/203	7.88e5	0.93	NO	0.838	1.000	52.55	52.56	1.080	1.080	NO	108.3	108	0.0260	108.3
162	1... PCB-195	6.90e5	0.90	NO	1.04	1.000	53.83	53.83	0.984	0.984	NO	54.69	109	0.0240	54.69
163	1... PCB-194	7.36e5	0.89	NO	1.12	1.000	54.74	54.74	1.000	1.000	NO	54.60	109	0.0224	54.60
164	1... PCB-205	8.65e5	0.90	NO	1.29	1.000	55.01	55.01	1.005	1.005	NO	55.53	111	0.0194	55.53
165	1... PCB-208	7.05e5	1.36	NO	0.933	1.000	53.98	53.97	1.000	1.000	NO	54.15	108	0.0215	54.15
166	1... PCB-207	6.91e5	1.36	NO	0.916	1.000	54.30	54.31	1.006	1.007	NO	54.02	108	0.0219	54.02
167	1... PCB-206	4.79e5	1.38	NO	1.01	1.000	56.27	56.27	1.000	1.000	NO	53.81	108	0.0303	53.81
168	1... PCB-209	4.37e5	1.20	NO	0.986	1.000	57.50	57.50	1.000	1.000	NO	52.85	106	0.0112	52.85
169	1... 13C-PCB-1	2.62e6	3.36	NO	0.893	1.000	15.59	15.58	0.609	0.609	NO	82.11	82.1	0.0366	
170	1... 13C-PCB-3	2.73e6	3.22	NO	0.911	1.000	18.23	18.22	0.712	0.712	NO	83.82	83.8	0.0359	
171	1... 13C-PCB-4	2.14e6	1.64	NO	0.600	1.000	19.60	19.58	0.766	0.765	NO	99.73	99.7	0.0312	
172	1... 13C-PCB-9	3.48e6	1.59	NO	0.970	1.000	21.41	21.40	0.837	0.836	NO	100.3	100	0.0193	
173	1... 13C-PCB-11	3.41e6	1.62	NO	0.962	1.000	24.87	24.87	0.972	0.972	NO	99.18	99.2	0.0195	
174	1... 13C-PCB-19	1.50e6	1.06	NO	0.499	1.000	23.83	23.82	0.931	0.931	NO	84.26	84.3	0.177	
175	1... 13C-PCB-32	2.21e6	1.06	NO	0.744	1.000	26.82	26.82	1.048	1.048	NO	83.08	83.1	0.119	
176	1... 13C-PCB-28	3.32e6	1.09	NO	1.06	1.000	28.83	28.83	1.004	1.004	NO	99.80	99.8	0.139	

Dataset: U:\VG11.PRO\Results\201026K2\201026K2-2.qld

Last Altered: Tuesday, October 27, 2020 11:37:34 Pacific Daylight Time  
 Printed: Tuesday, October 27, 2020 11:38:01 Pacific Daylight Time

Name: 201026K2\_2, Date: 26-Oct-2020, Time: 22:43:55, ID: ST201026K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
177	1... 13C-PCB-37	3.14e6	1.07	NO	0.989	1.000	32.81	32.83	1.143	1.143	NO	101.7	102.6	0.149	
178	1... 13C-PCB-54	2.06e6	0.79	NO	0.999	1.000	27.67	27.66	0.753	0.752	NO	95.37	95.4	0.0588	
179	1... 13C-PCB-52	1.68e6	0.82	NO	0.804	1.000	31.34	31.33	0.853	0.852	NO	96.77	96.8	0.0731	
180	1... 13C-PCB-47	1.79e6	0.82	NO	0.857	1.000	31.87	31.85	0.867	0.866	NO	96.30	96.3	0.0685	
181	1... 13C-PCB-70	2.14e6	0.81	NO	0.996	1.000	35.49	35.47	0.965	0.965	NO	99.10	99.1	0.0590	
182	1... 13C-PCB-80	2.18e6	0.80	NO	1.03	1.000	35.92	35.92	0.977	0.977	NO	97.90	97.9	0.0572	
183	1... 13C-PCB-81	2.14e6	0.79	NO	0.988	1.000	39.12	39.12	1.064	1.064	NO	99.97	100	0.0595	
184	1... 13C-PCB-77	2.09e6	0.82	NO	0.969	1.000	39.74	39.74	1.081	1.081	NO	99.85	99.9	0.0607	
185	1... 13C-PCB-104	1.26e6	1.63	NO	1.02	1.000	32.51	32.52	0.827	0.827	NO	97.58	97.6	0.0264	
186	1... 13C-PCB-95	1.02e6	1.61	NO	0.805	1.000	35.77	35.77	0.910	0.910	NO	99.82	99.8	0.0333	
187	1... 13C-PCB-101	1.03e6	1.62	NO	0.793	1.000	37.52	37.52	0.954	0.954	NO	102.2	102	0.0338	
188	1... 13C-PCB-97	9.07e5	1.66	NO	0.696	1.000	38.85	38.86	0.988	0.988	NO	102.4	102	0.0385	
189	1... 13C-PCB-123	1.20e6	1.63	NO	0.933	1.000	41.52	41.52	1.056	1.056	NO	100.9	101	0.0287	
190	1... 13C-PCB-118	1.26e6	1.65	NO	0.986	1.000	41.71	41.71	1.061	1.061	NO	100.3	100	0.0272	
191	1... 13C-PCB-114	2.25e6	1.63	NO	1.55	1.000	42.36	42.38	0.908	0.908	NO	114.1	114	0.0414	
192	1... 13C-PCB-105	2.30e6	1.58	NO	1.57	1.000	43.28	43.28	0.927	0.927	NO	114.7	115	0.0407	
193	1... 13C-PCB-127	2.41e6	1.59	NO	1.62	1.000	43.61	43.64	0.935	0.935	NO	116.3	116	0.0394	
194	1... 13C-PCB-126	2.13e6	1.60	NO	1.57	1.000	45.57	45.59	0.976	0.977	NO	106.4	106	0.0409	
195	1... 13C-PCB-155	7.30e5	1.32	NO	0.615	1.000	37.06	37.06	0.942	0.942	NO	93.46	93.5	0.0132	
196	1... 13C-PCB-153	1.72e6	1.29	NO	1.36	1.000	43.42	43.45	0.930	0.931	NO	98.74	98.7	0.0429	
197	1... 13C-PCB-141	1.41e6	1.32	NO	1.13	1.000	44.21	44.20	0.947	0.947	NO	97.97	98.0	0.0519	
198	1... 13C-PCB-138	1.44e6	1.27	NO	1.18	1.000	45.06	45.08	0.965	0.966	NO	95.09	95.1	0.0494	
199	1... 13C-PCB-159	1.78e6	1.29	NO	1.44	1.000	46.40	46.40	0.994	0.994	NO	96.92	96.9	0.0407	
200	2... 13C-PCB-167	1.76e6	1.31	NO	1.44	1.000	47.10	47.10	1.009	1.009	NO	95.88	95.9	0.0407	
201	2... 13C-PCB-156	1.70e6	1.29	NO	1.40	1.000	48.43	48.43	1.038	1.038	NO	95.62	95.6	0.0419	
202	2... 13C-PCB-157	1.69e6	1.28	NO	1.40	1.000	48.72	48.71	1.044	1.044	NO	94.83	94.8	0.0419	
203	2... 13C-PCB-169	1.64e6	1.29	NO	1.33	1.000	50.99	50.99	1.093	1.093	NO	96.30	96.3	0.0440	
204	2... 13C-PCB-188	1.23e6	0.45	NO	1.41	1.000	43.05	43.05	0.926	0.926	NO	98.82	98.8	0.0338	
205	2... 13C-PCB-180	8.51e5	0.48	NO	0.929	1.000	49.76	49.76	1.070	1.070	NO	103.5	103	0.0513	
206	2... 13C-PCB-170	7.24e5	0.47	NO	0.794	1.000	51.42	51.42	1.106	1.106	NO	103.0	103	0.0600	
207	2... 13C-PCB-189	9.29e5	0.45	NO	1.04	1.000	53.13	53.13	1.143	1.143	NO	100.4	100	0.0456	
208	2... 13C-PCB-202	8.69e5	0.94	NO	1.04	1.000	48.66	48.66	1.046	1.046	NO	94.68	94.7	0.0393	
209	2... 13C-PCB-194	1.21e6	0.92	NO	0.768	1.000	54.72	54.72	0.995	0.995	NO	98.06	98.1	0.0491	
210	2... 13C-PCB-208	1.40e6	0.80	NO	0.991	1.000	53.96	53.96	0.981	0.981	NO	87.81	87.8	0.0414	
211	2... 13C-PCB-206	8.84e5	0.79	NO	0.552	1.000	56.26	56.26	1.023	1.023	NO	99.79	99.8	0.0742	
212	2... 13C-PCB-209	8.38e5	1.24	NO	0.396	1.000	57.50	57.50	1.046	1.045	NO	131.8	132	0.0329	

Handwritten blue arrow pointing to the %Rec column, with the number 1457 written above it.

Dataset: U:\VG11.PRO\Results\201026K2\201026K2-2.qld

Last Altered: Tuesday, October 27, 2020 11:37:34 Pacific Daylight Time  
Printed: Tuesday, October 27, 2020 11:38:01 Pacific Daylight Time

Name: 201026K2\_2, Date: 26-Oct-2020, Time: 22:43:55, ID: ST201026K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
213	2... 13C-PCB-15	3.58e6	1.62	NO	1.00	1.000	25.58	25.59	1.000	0.000	NO	100.0	100	0.0187	
214	2... 13C-PCB-31	3.12e6	1.06	NO	1.00	1.000	28.72	28.72	1.000	0.000	NO	100.0	100	0.148	
215	2... 13C-PCB-60	2.16e6	0.81	NO	1.00	1.000	36.74	36.76	1.000	0.000	NO	100.0	100	0.0588	
216	2... 13C-PCB-111	1.27e6	1.65	NO	1.00	1.000	39.33	39.33	1.000	0.000	NO	100.0	100	0.0268	
217	2... 13C-PCB-128	1.28e6	1.29	NO	1.00	1.000	46.67	46.67	1.000	0.000	NO	100.0	100	0.0586	
218	2... 13C-PCB-182	8.86e5	0.45	NO	1.00	1.000	46.50	46.50	0.000	0.000	NO	100.0	100	0.0477	
219	2... 13C-PCB-205	1.60e6	0.93	NO	1.00	1.000	55.01	55.00	1.000	0.000	NO	100.0	100	0.0377	
220	2... 13C-PCB-79	2.30e6	0.81	NO	1.07	1.000	37.86	37.86	1.030	1.030	NO	99.33	99.3	0.0550	75-625
221	2... 13C-PCB-178	8.43e5	0.46	NO	0.766	1.000	45.95	45.95	0.988	0.988	NO	86.21	86.2	0.0447	
222	2... 13C-PCB-79	2.30e6	0.81	NO	1.08	1.000	37.85	37.86	0.968	0.968	NO	99.35	99.4	0.0562	
223	2... 13C-PCB-178	8.43e5	0.46	NO	1.05	1.000	45.94	45.95	0.923	0.923	NO	94.25	94.3	0.0480	

Dataset: Untitled

Last Altered: Tuesday, October 27, 2020 11:30:51 Pacific Daylight Time  
Printed: Tuesday, October 27, 2020 11:31:06 Pacific Daylight Time

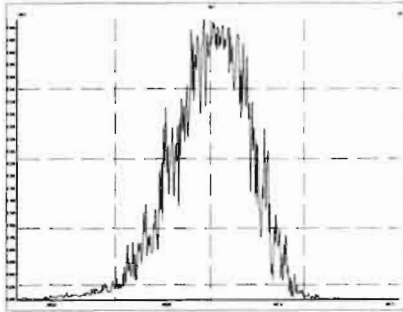
Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_10-24-20.mdb 24 Oct 2020 13:45:57  
Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-6-1-20.cdb 02 Jun 2020 10:21:16

Compound name: PCB-1

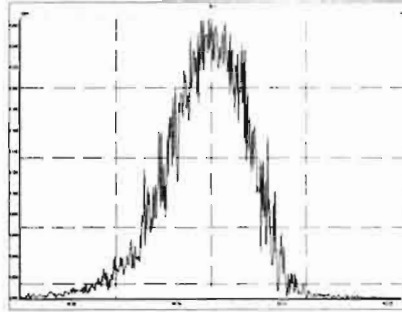
	Name	ID	Acq.Date	Acq.Time
1	201026K2_1	SOLVENT BLANK	26-Oct-20	21:45:09
2	201026K2_2	ST201026K2-1 PCB 209 CS3 19G2609	26-Oct-20	22:43:55
3	201026K2_3	SOLVENT BLANK	26-Oct-20	23:44:21
4	201026K2_4	2002114-03 NCPDI-064SG-00-9.2-201005 8.4	27-Oct-20	00:44:48
5	201026K2_5	2002129-01 NCPDI-072SG-00-10.3-201006 6....	27-Oct-20	01:45:13
6	201026K2_6	2002129-02 NCPDI-073SG-00-9.2-201006 12....	27-Oct-20	02:45:37
7	201026K2_7	2002132-01 USMPDI-055SG-201006 13.76	27-Oct-20	03:46:01
8	201026K2_8	2002157-01 USMPDI-026SG-201008 12.03	27-Oct-20	04:46:29
9	201026K2_9	2002157-02 USMPDI-033SG-201008 12.84	27-Oct-20	05:46:58
10	201026K2_10	2002157-03 USMPDI-038SG-201008 13.93	27-Oct-20	06:47:27
11	201026K2_11	2002097-02@20X SD-301-BULK_B 17.7	27-Oct-20	07:47:55
12	201026K2_12	2002097-03@20X SD-302-BULK_A 22.01	27-Oct-20	08:48:22
13	201026K2_13	2002097-04@20X SD-302-BULK_B 21.42	27-Oct-20	09:48:50

Printed: Monday, October 26, 2020 21:45:07 Pacific Daylight Time

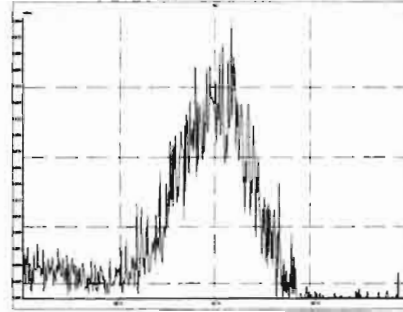
M 168.9888 R 11769



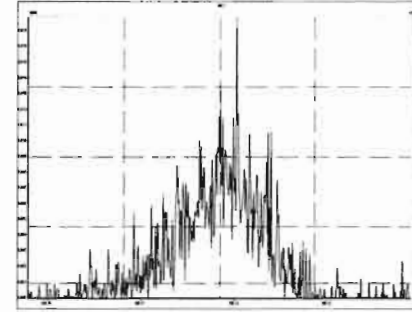
M 180.9888 R 11467



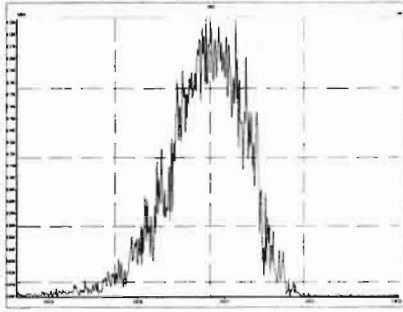
M 192.9888 R 13219



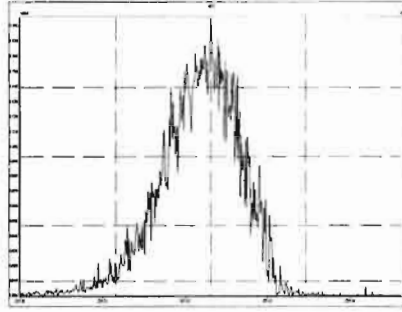
M 204.9888 R 17066



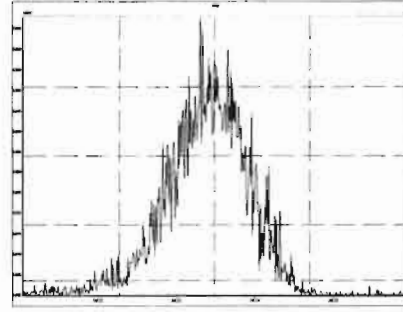
M 218.9856 R 11580



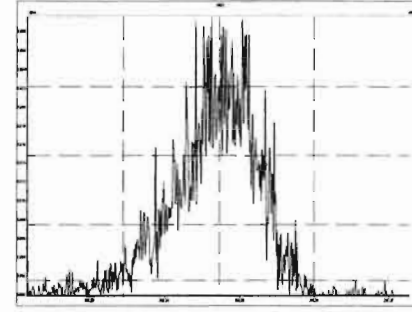
M 230.9856 R 11921



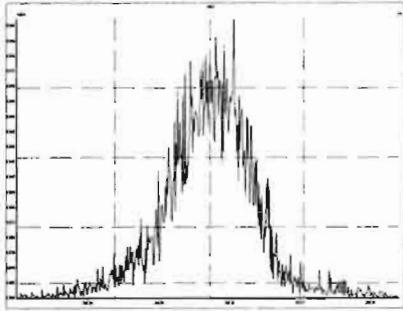
M 242.9856 R 11554



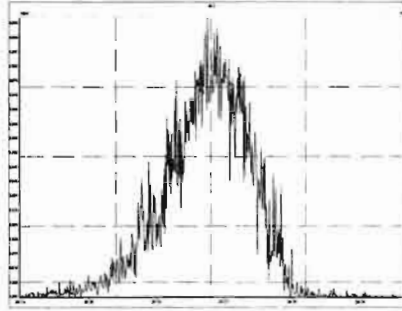
M 254.9856 R 12559



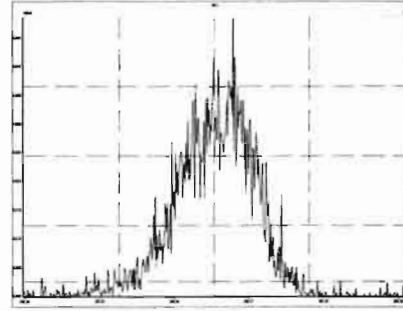
M 268.9824 R 11575



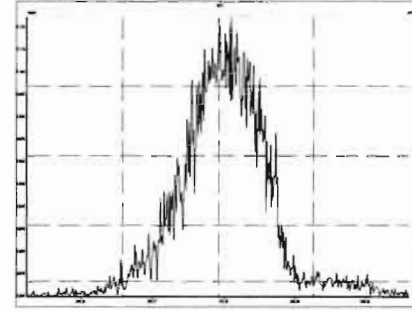
M 280.9824 R 11462



M 254.9856 R 13158

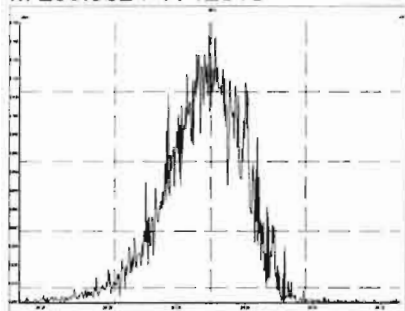


M 268.9824 R 11137

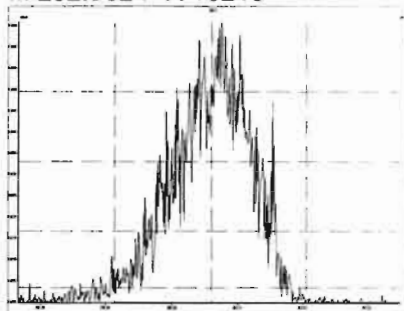


Printed: Monday, October 26, 2020 21:45:07 Pacific Daylight Time

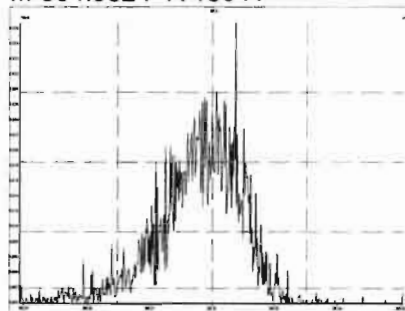
M 280.9824 R 12915



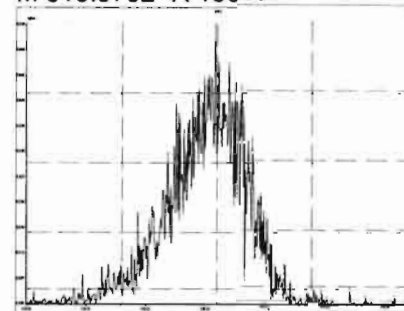
M 292.9824 R 13213



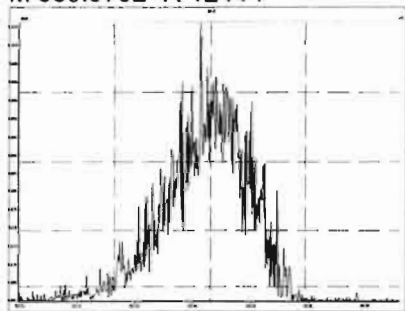
M 304.9824 R 13041



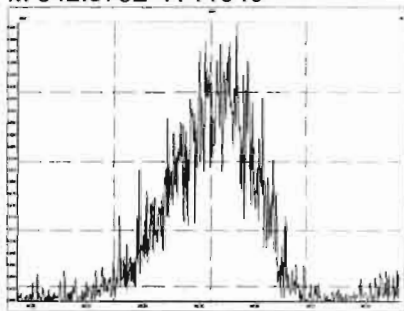
M 318.9792 R 13667



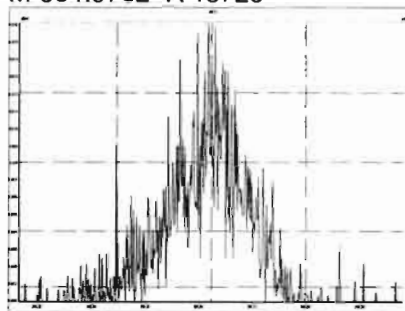
M 330.9792 R 12114



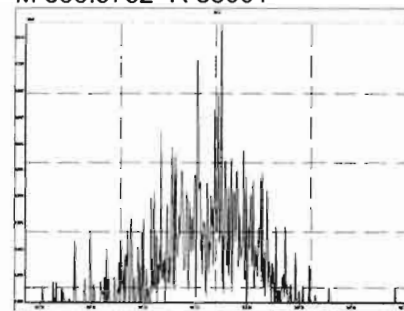
M 342.9792 R 11940



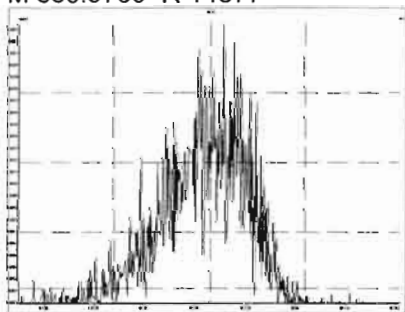
M 354.9792 R 15723



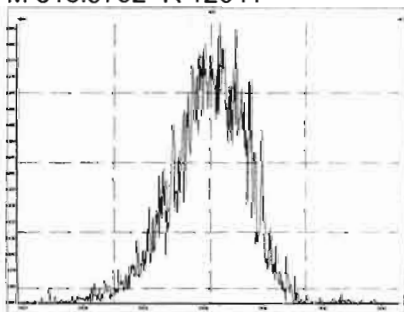
M 366.9792 R 58001



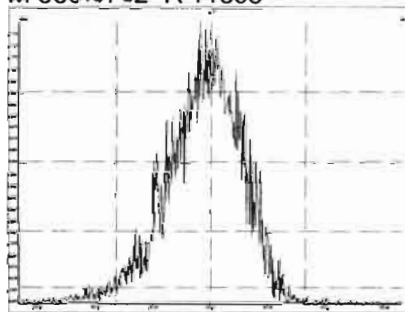
M 380.9760 R 14577



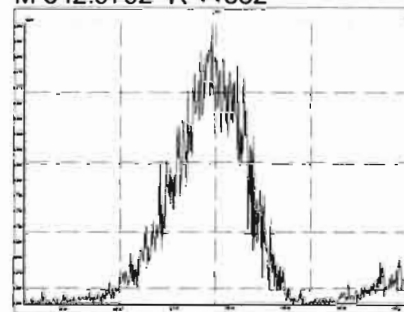
M 318.9792 R 12041



M 330.9792 R 11598

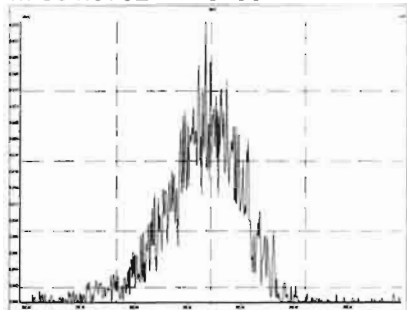


M 342.9792 R 11582

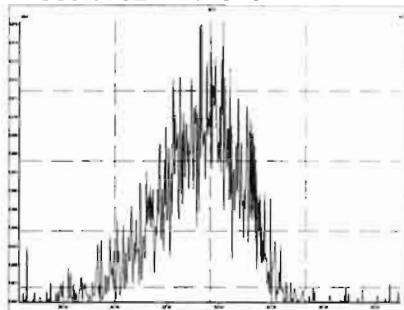


Printed: Monday, October 26, 2020 21:45:07 Pacific Daylight Time

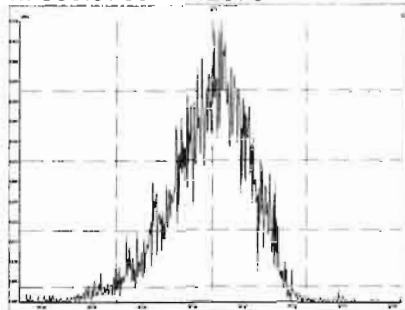
M 354.9792 R 13700



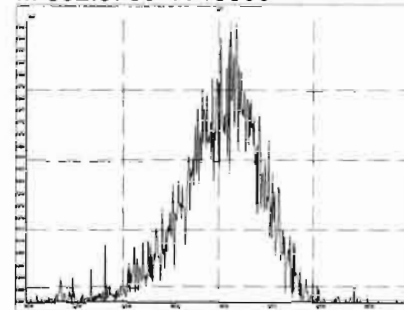
M 366.9792 R 14078



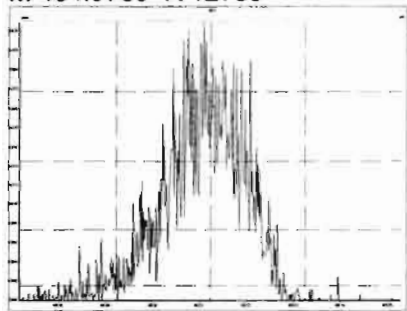
M 380.9760 R 12078



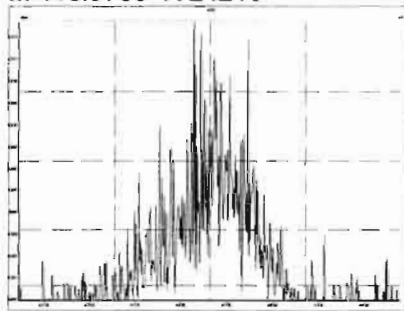
M 392.9760 R 13399



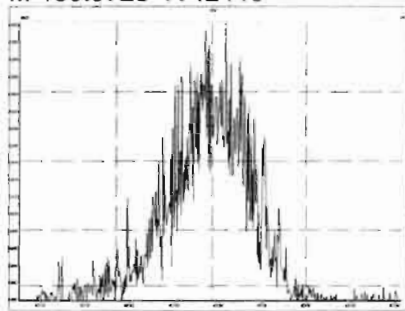
M 404.9760 R 12736



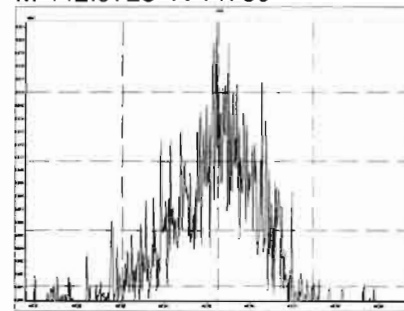
M 416.9760 R 24210



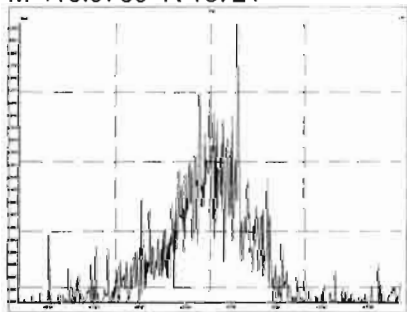
M 430.9728 R 12118



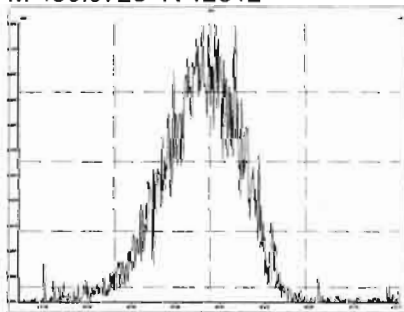
M 442.9728 R 14730



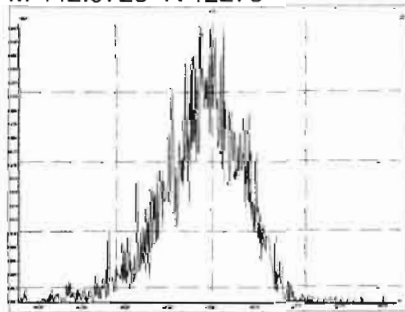
M 416.9760 R 13721



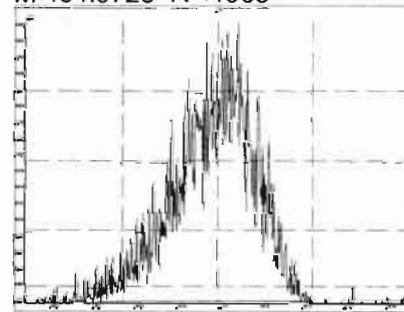
M 430.9728 R 12312



M 442.9728 R 12278

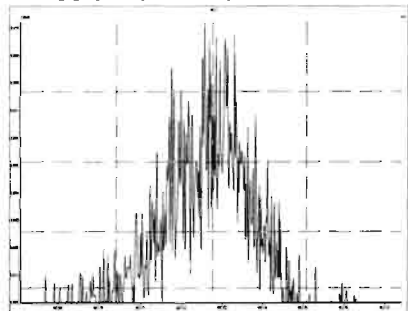


M 454.9728 R 11963

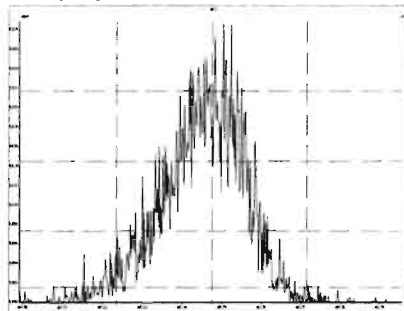


Printed: Monday, October 26, 2020 21:45:07 Pacific Daylight Time

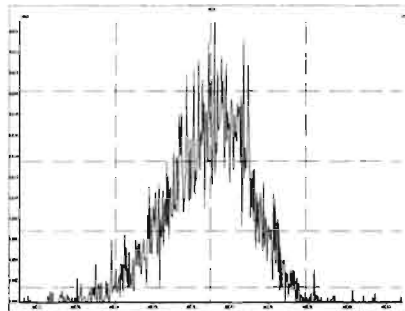
M 466.9728 R 16867



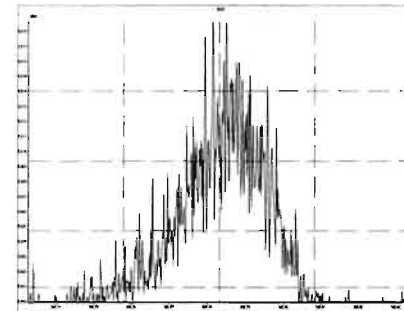
M 480.9696 R 12531



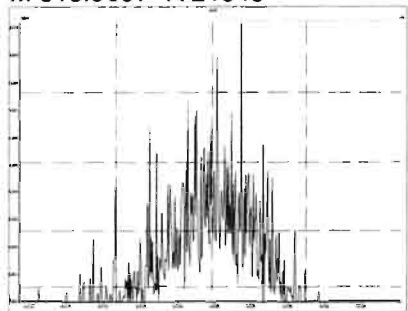
M 492.9696 R 12471



M 504.9696 R 13156



M 516.9697 R 21945





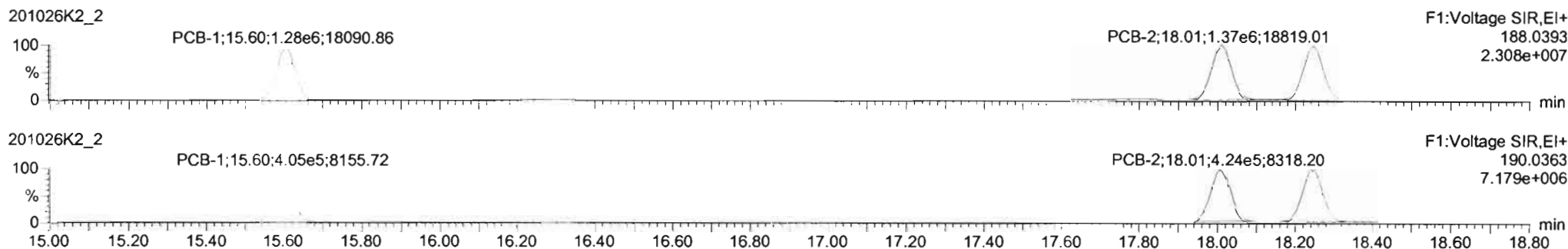
Dataset: Untitled

Last Altered: Tuesday, October 27, 2020 11:30:51 Pacific Daylight Time  
Printed: Tuesday, October 27, 2020 11:31:27 Pacific Daylight Time

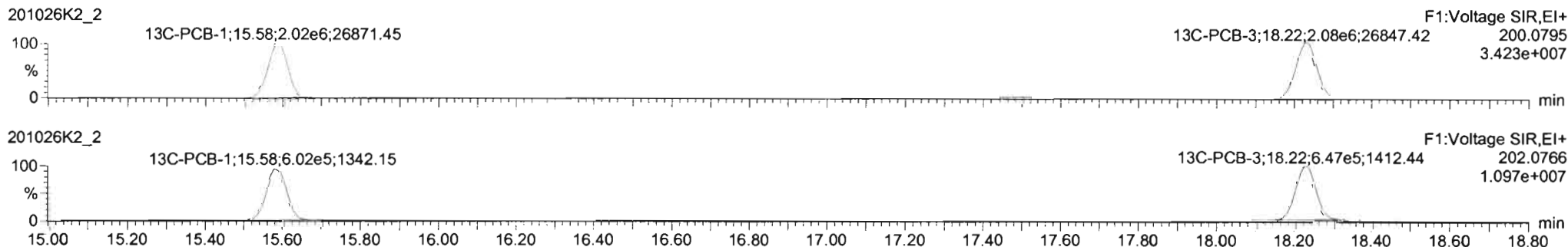
Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_10-24-20.mdb 24 Oct 2020 13:45:57  
Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-6-1-20.cdb 02 Jun 2020 10:21:16

Name: 201026K2\_2, Date: 26-Oct-2020, Time: 22:43:55, ID: ST201026K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

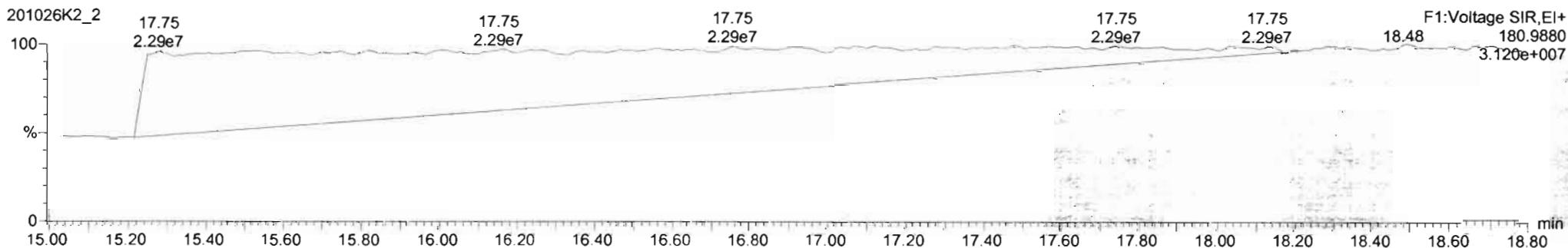
**PCB-1**



**13C-PCB-1**



**PFK1**

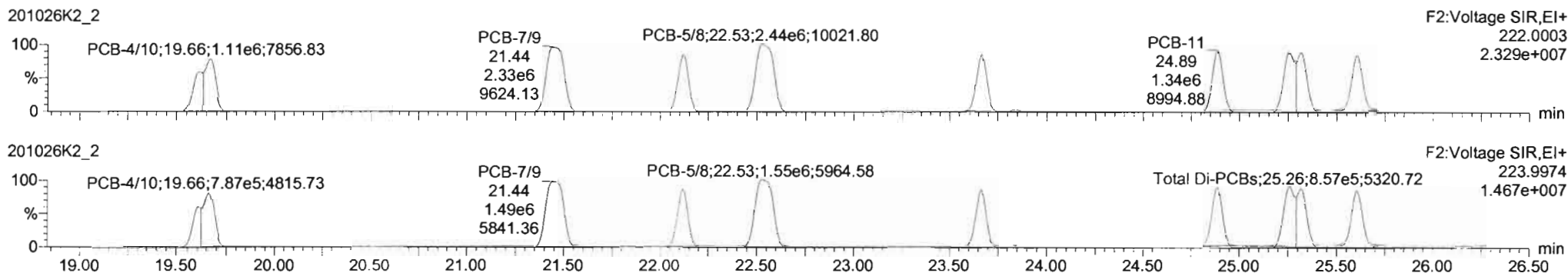


Dataset: Untitled

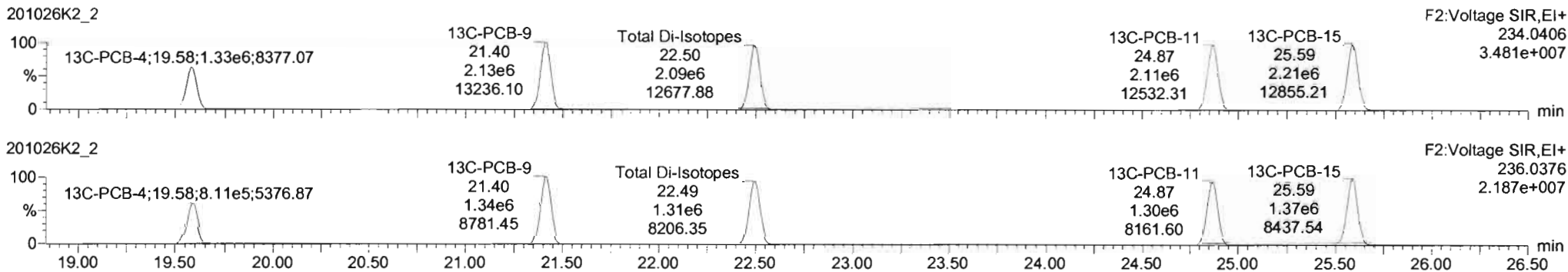
Last Altered: Tuesday, October 27, 2020 11:30:51 Pacific Daylight Time  
Printed: Tuesday, October 27, 2020 11:31:27 Pacific Daylight Time

Name: 201026K2\_2, Date: 26-Oct-2020, Time: 22:43:55, ID: ST201026K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

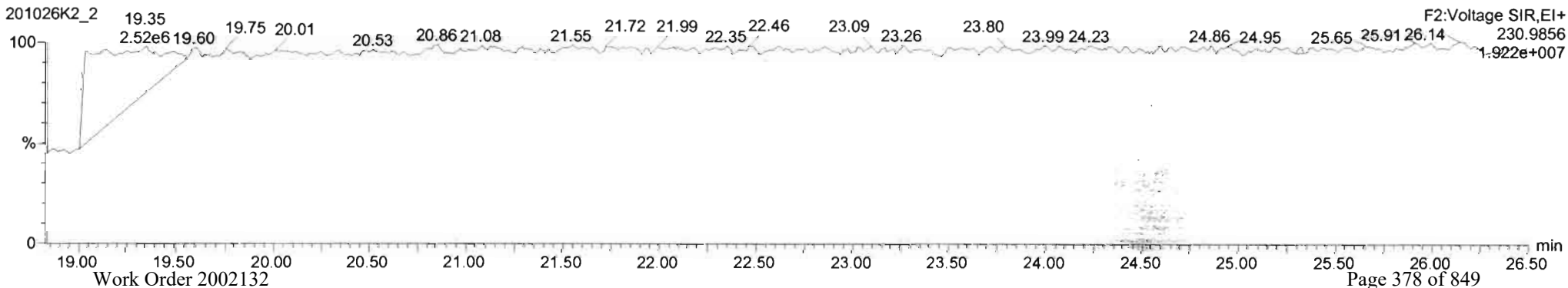
**PCB-4/10**



**13C-PCB-4**

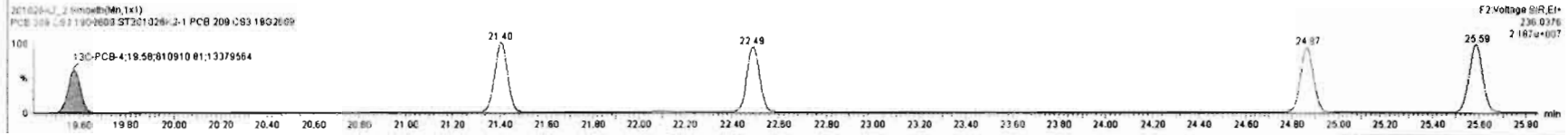
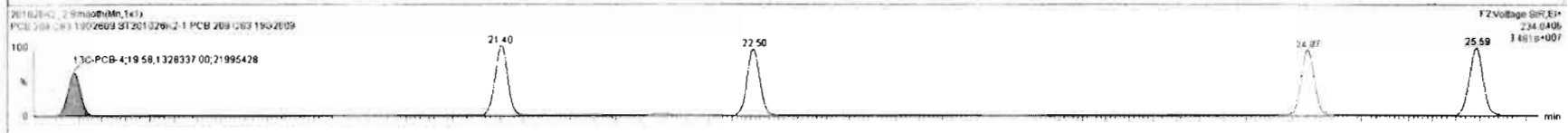
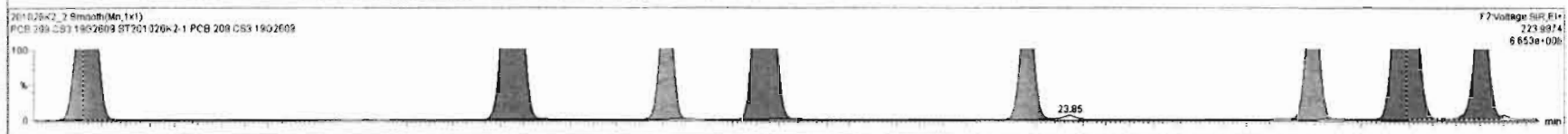
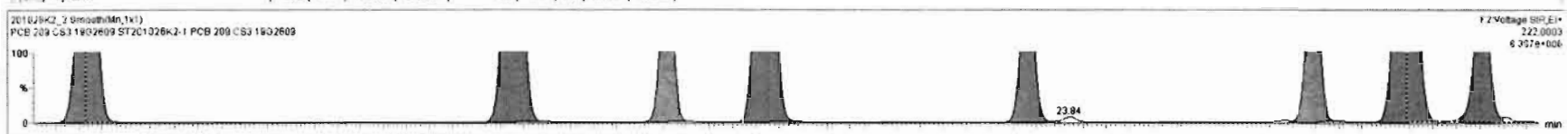


**PFK2a**



#	Name	Resp	RA	n/y	RRF	wtAve	Pred RT	RT	Pred R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
219	13C-PCB-205	1.60e5	0.93	NO	1.0000	1.000	55.01	55.00	1.000	0.000	NO	100.0	100	0.0377	
220	13C-PCB-79	2.30e5	0.81	NO	1.0689	1.000	37.86	37.86	1.030	1.030	NO	99.33	99.3	0.0550	
221	13C-PCB-178	8.43e5	0.46	NO	0.7865	1.000	45.95	45.95	0.988	0.988	NO	86.21	86.2	0.0447	
222	13C-PCB-79	2.30e5	0.81	NO	1.0621	1.000	37.85	37.86	0.968	0.968	NO	99.35	99.4	0.0562	
223	13C-PCB-178	8.43e5	0.46	NO	1.0508	1.000	45.94	45.95	0.923	0.924	NO	94.25	94.3	0.0480	
224	Total Mono-PCBs				1.1665	1.000	0.00		0.000		NO	166.6		0.0241	166.6
225	Total Di-PCBs				1.0637	1.000	0.00		0.000		NO	891.21		0.1411	891.21

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
4	PCB-410	19.66	19.66	1.865e6	1.191e6	1.560	1.57	NO	114.46	114.46
5	PCB-79	21.46	21.44	2.329e6	1.492e6	1.560	1.56	NO	114.44	114.44
6	PCB-6	22.11	22.11	1.240e6	7.870e5	1.580	1.58	NO	56.939	56.939
7	PCB-56	22.52	22.53	2.437e6	1.550e6	1.580	1.57	NO	115.52	115.51
8	PCB-14	23.66	23.66	1.228e6	7.811e5	1.560	1.56	NO	57.751	57.751
9	PCB-11	24.89	24.89	1.337e6	8.329e5	1.560	1.61	NO	56.508	56.508



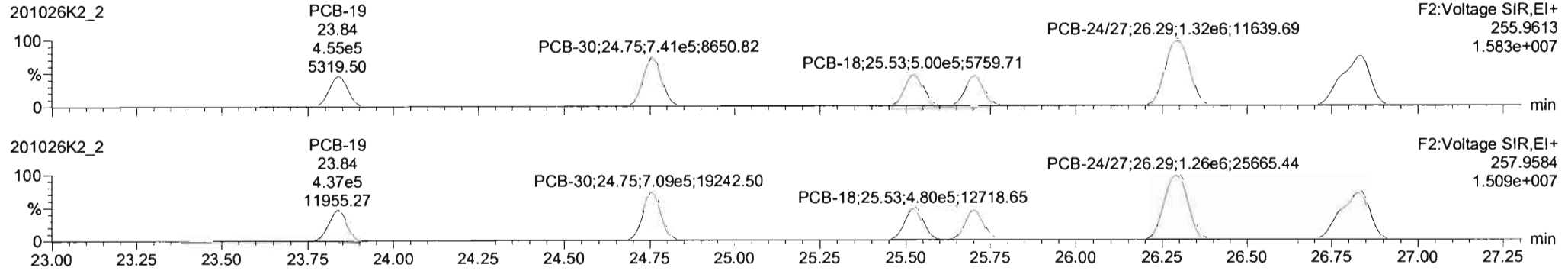
Dataset: Untitled

Last Altered: Tuesday, October 27, 2020 11:30:51 Pacific Daylight Time

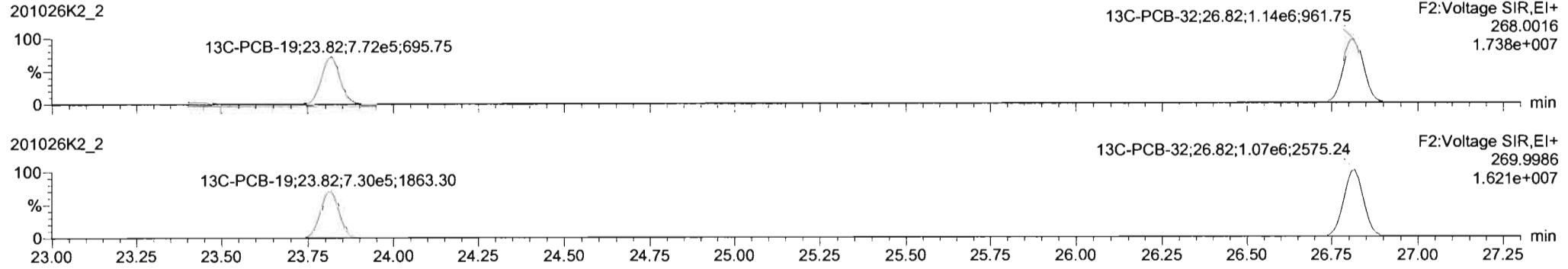
Printed: Tuesday, October 27, 2020 11:31:27 Pacific Daylight Time

Name: 201026K2\_2, Date: 26-Oct-2020, Time: 22:43:55, ID: ST201026K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

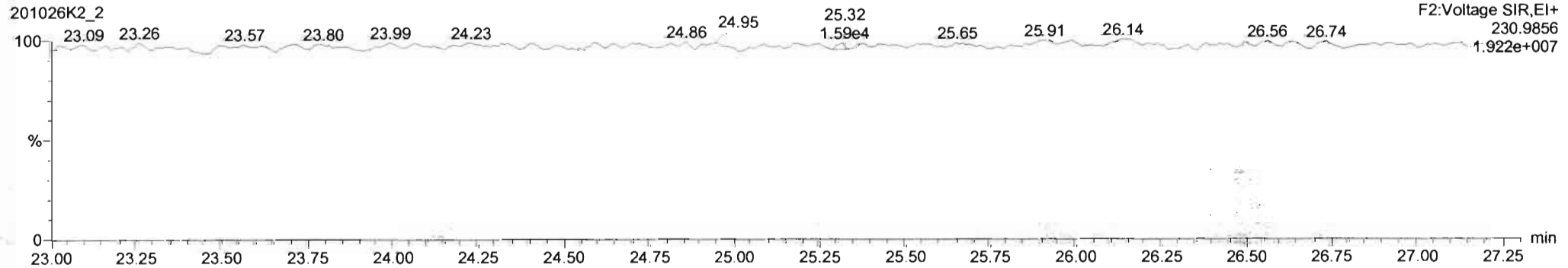
**PCB-19**



**13C-PCB-19**



**PFK2b**



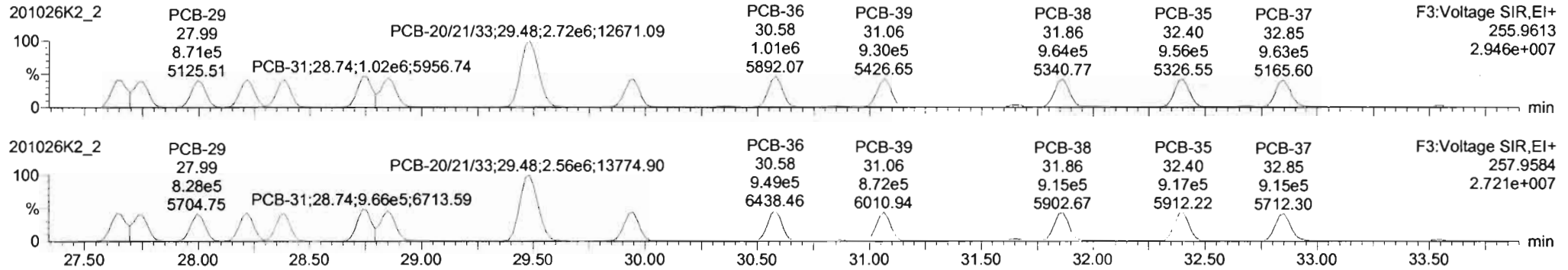
Dataset: Untitled

Last Altered: Tuesday, October 27, 2020 11:30:51 Pacific Daylight Time

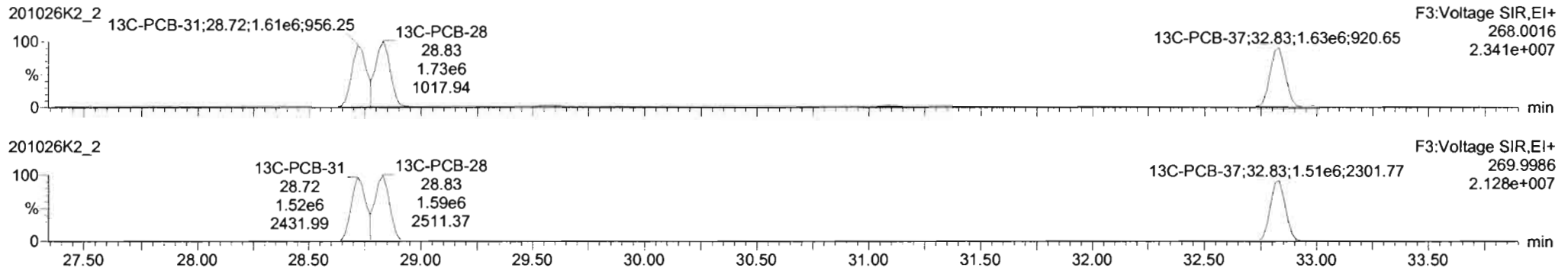
Printed: Tuesday, October 27, 2020 11:31:27 Pacific Daylight Time

Name: 201026K2\_2, Date: 26-Oct-2020, Time: 22:43:55, ID: ST201026K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

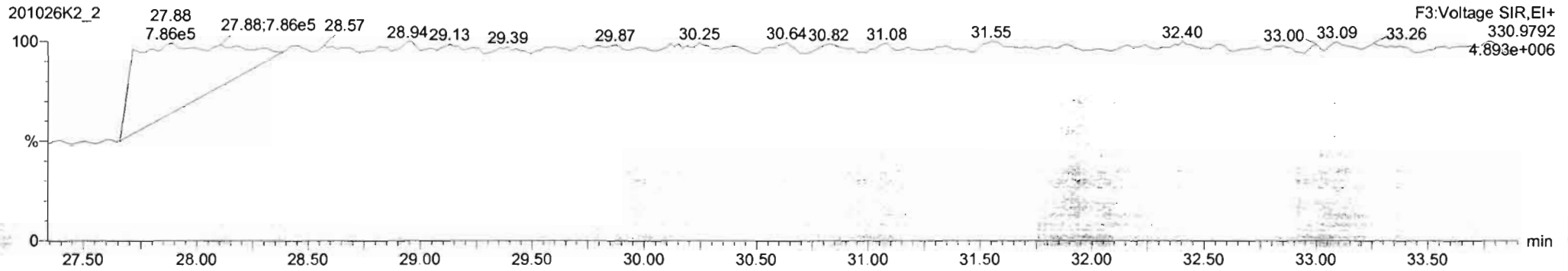
**PCB-34**



**13C-PCB-28**



**PFK3d**

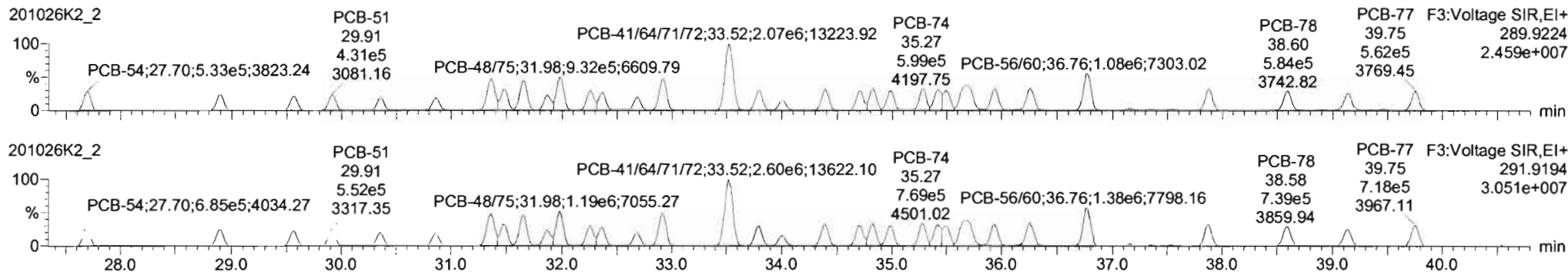


Dataset: Untitled

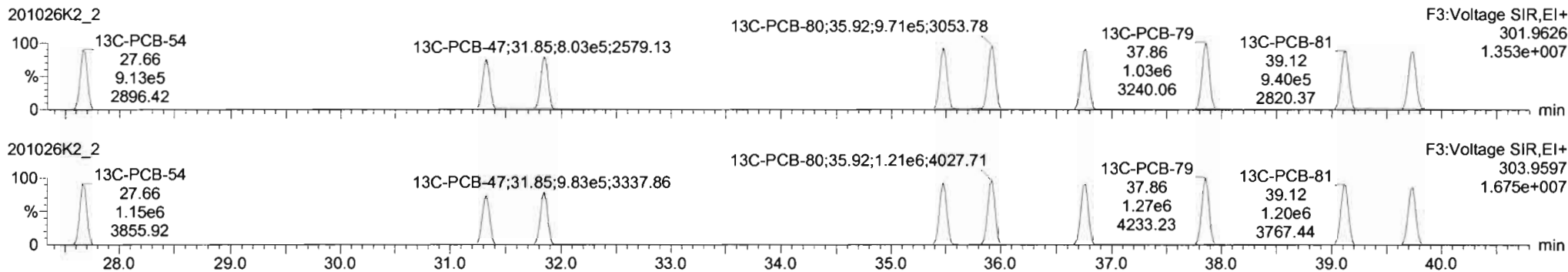
Last Altered: Tuesday, October 27, 2020 11:30:51 Pacific Daylight Time  
Printed: Tuesday, October 27, 2020 11:31:27 Pacific Daylight Time

Name: 201026K2\_2, Date: 26-Oct-2020, Time: 22:43:55, ID: ST201026K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

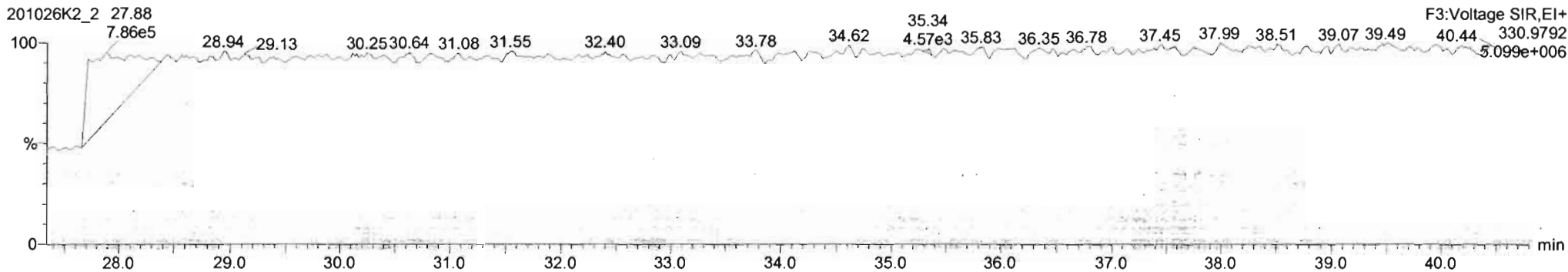
**PCB-54**



**13C-PCB-54**



**PFK3a**



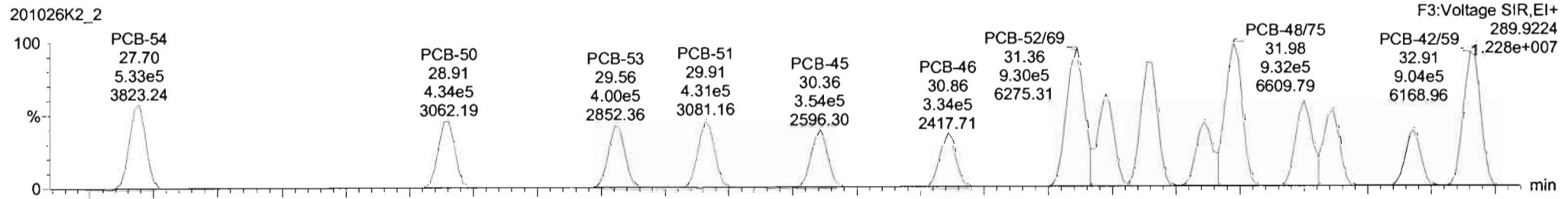
Dataset: Untitled

Last Altered: Tuesday, October 27, 2020 11:30:51 Pacific Daylight Time  
Printed: Tuesday, October 27, 2020 11:31:27 Pacific Daylight Time

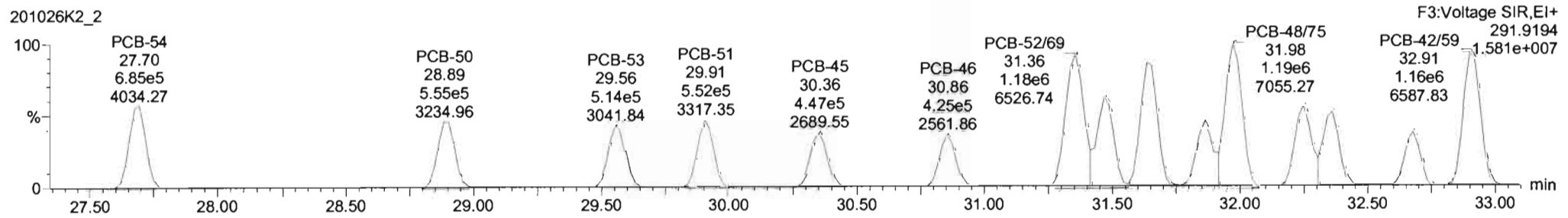
Name: 201026K2\_2, Date: 26-Oct-2020, Time: 22:43:55, ID: ST201026K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

**PCB-50**

201026K2\_2

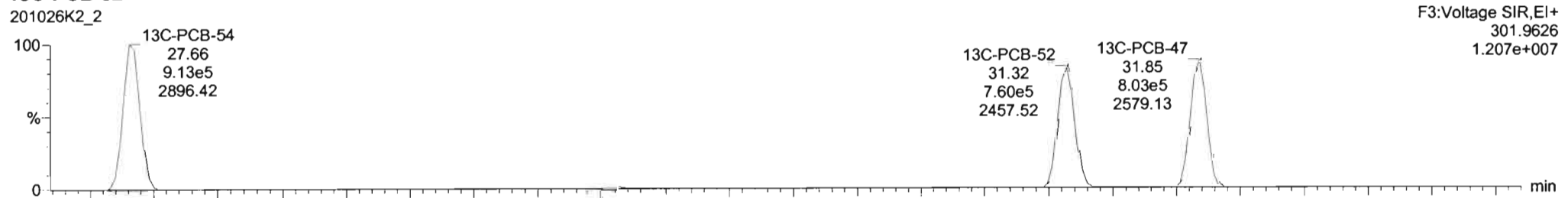


201026K2\_2

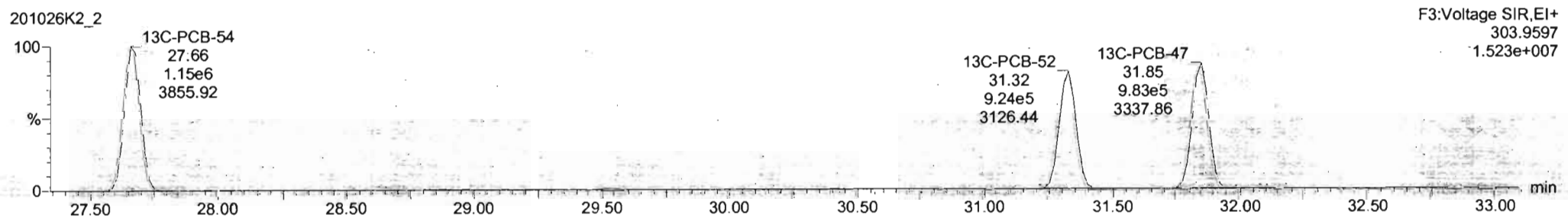


**13C-PCB-52**

201026K2\_2



201026K2\_2

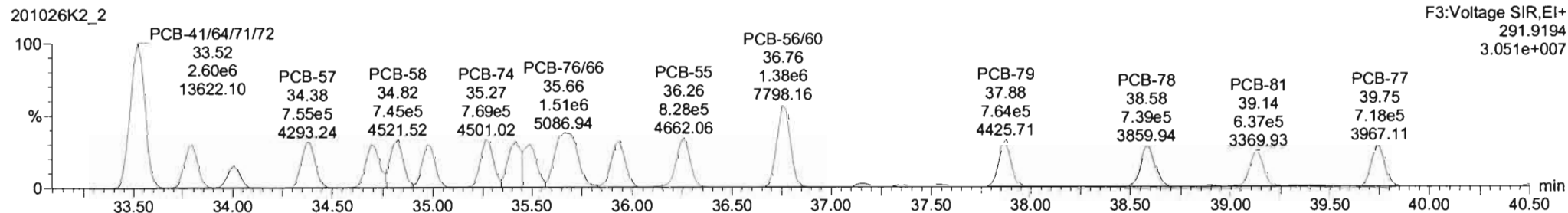
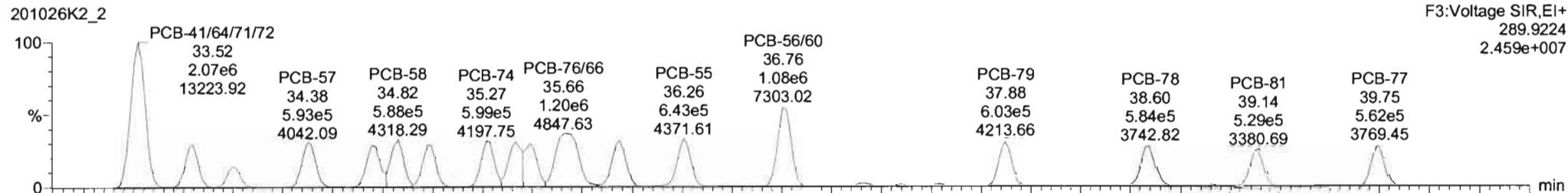


Dataset: Untitled

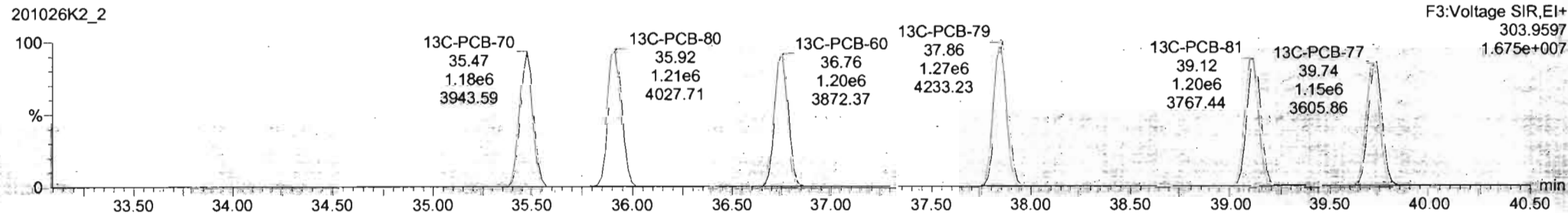
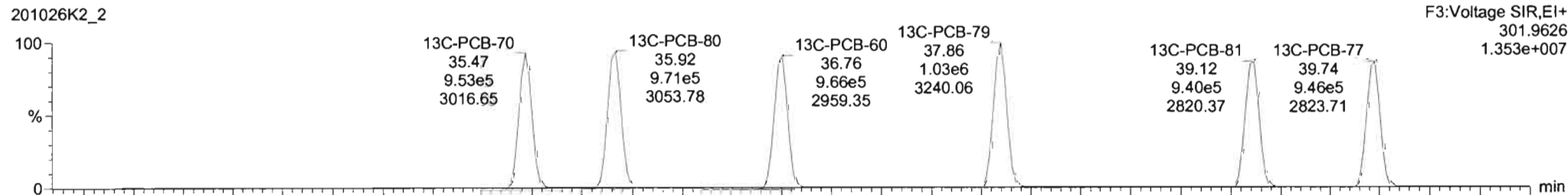
Last Altered: Tuesday, October 27, 2020 11:30:51 Pacific Daylight Time  
Printed: Tuesday, October 27, 2020 11:31:27 Pacific Daylight Time

Name: 201026K2\_2, Date: 26-Oct-2020, Time: 22:43:55, ID: ST201026K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

**PCB-68**



**13C-PCB-60**

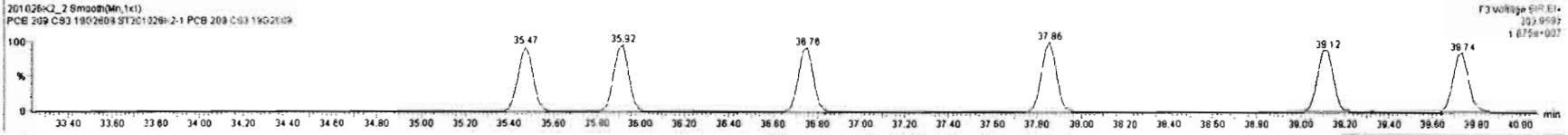
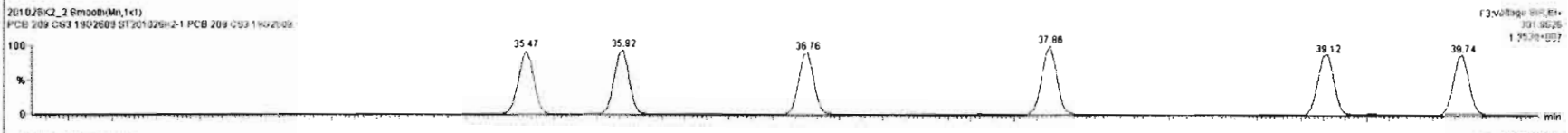
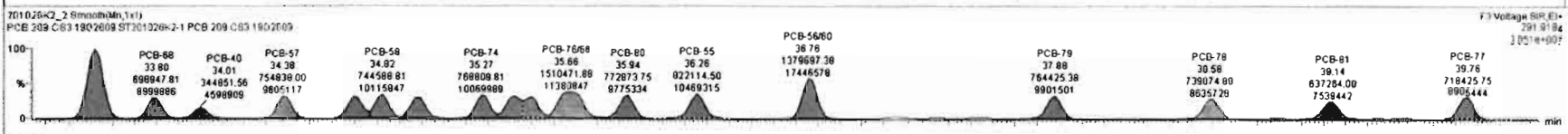
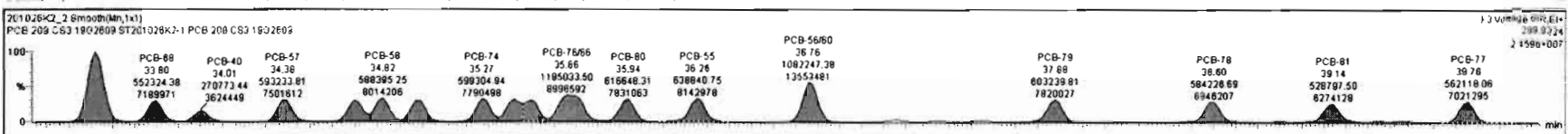




201026K2\_2 - ST201026K2-1 PCB 209 CS3 19G2609 - PCE 209 CS3 19G2609

#	Name	Resp	RA	nV	RRF	wtVol	Pred RT	RT	Pred R	RRT	RRT Rat	Conc.	%Rec	DL	EMPC
226	2nd Function Tri-PCBs				1.0007	1.000	0.00	0.000			NO	432.8		0.0765	432.8
227	3rd Function Tri-PCBs				0.9828	1.000	0.00	0.000			NO	918.6		0.206	918.6
228	Total Tetra-PCBs				1.0778	1.000	0.00	0.000			NO	2302		0.987	2302
229	3rd Function Penta-PCBs				1.3157	1.000	0.00	0.000			NO	2181		0.574	2181
230	4th Function Penta-PCBs				1.0735	1.000	0.00	0.000			NO	280.3		0.0996	280.3
231	3rd Function Hexa-PCBs				0.9505	1.000	0.00	0.000			NO	748.8		0.158	748.8
232	4th Function Hexa-PCBs				1.0318	1.000	0.00	0.000			NO	1521		0.540	1521

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	nV	EMPC	Conc.
1	32 PCB-54	27.66	27.70	5.331e5	6.853e5	0.770	0.78	NO	54.709	54.709
2	33 PCB-50	28.89	28.91	4.343e5	5.590e5	0.770	0.78	NO	54.539	54.539
3	34 PCB-53	29.56	29.56	3.987e5	5.141e5	0.770	0.78	NO	54.444	54.444
4	35 PCB-51	29.92	29.91	4.310e5	5.520e5	0.770	0.78	NO	54.802	54.802
5	36 PCB-45	30.36	30.36	3.540e5	4.469e5	0.770	0.79	NO	55.402	55.402
6	37 PCB-46	30.86	30.86	3.343e5	4.247e5	0.770	0.79	NO	54.255	54.255

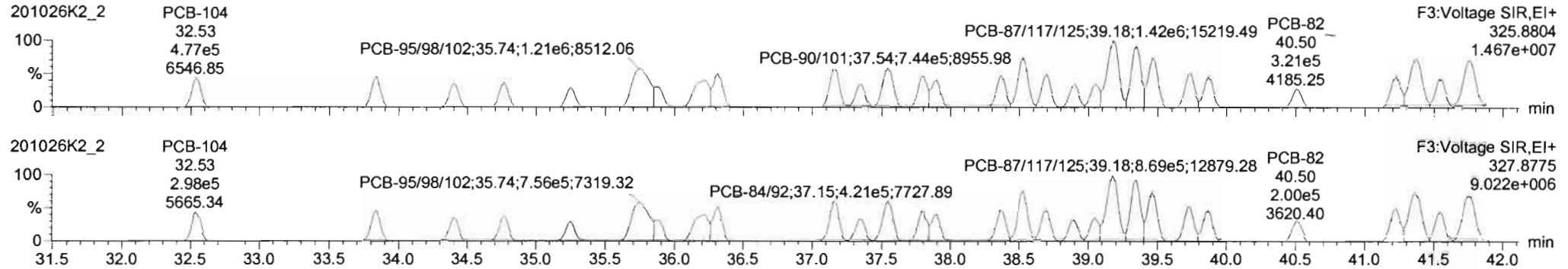


Dataset: Untitled

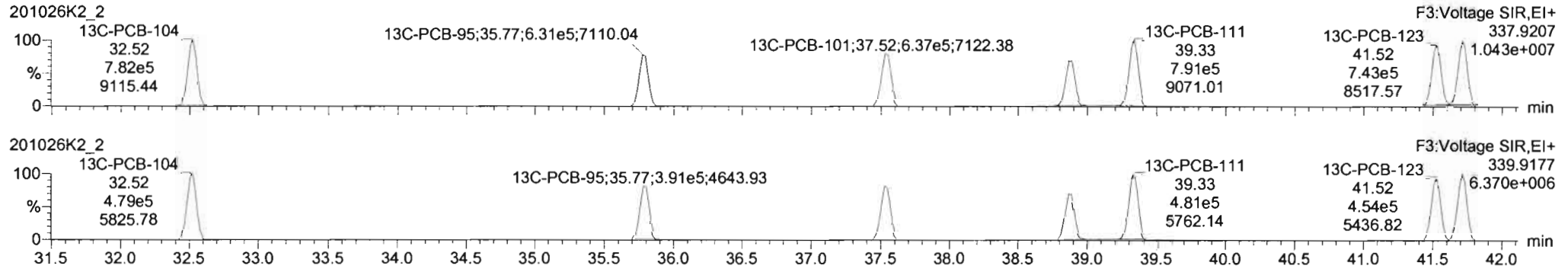
Last Altered: Tuesday, October 27, 2020 11:30:51 Pacific Daylight Time  
Printed: Tuesday, October 27, 2020 11:31:27 Pacific Daylight Time

Name: 201026K2\_2, Date: 26-Oct-2020, Time: 22:43:55, ID: ST201026K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

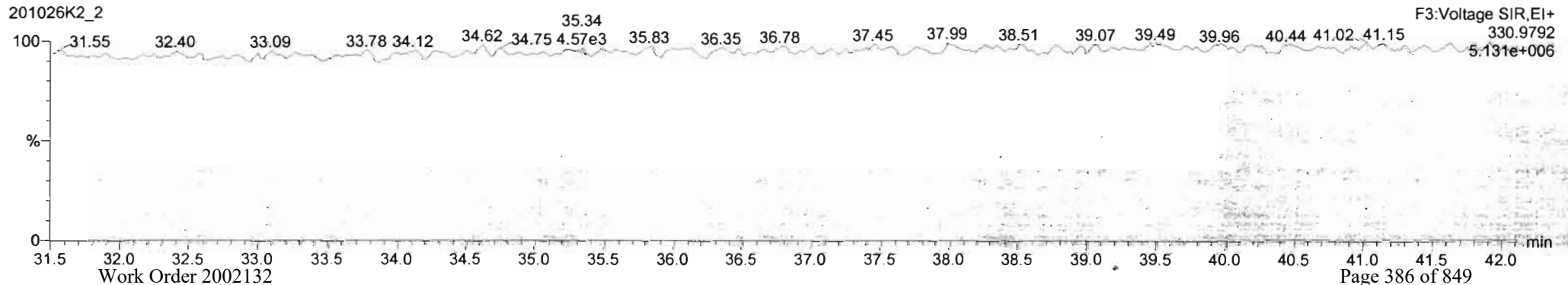
**PCB-104**



**13C-PCB-104**



**PFK3b**



Dataset: Untitled

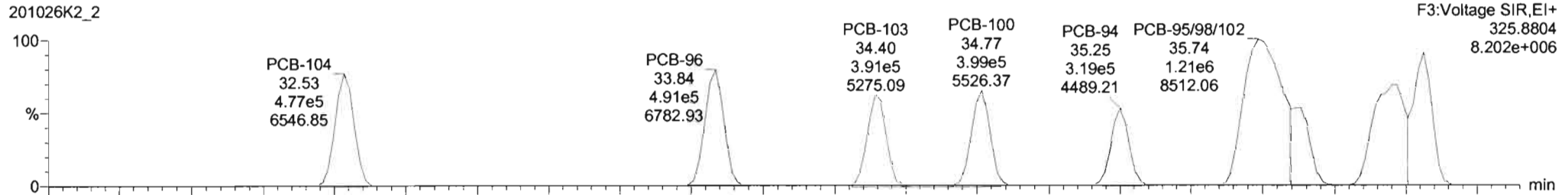
Last Altered: Tuesday, October 27, 2020 11:30:51 Pacific Daylight Time

Printed: Tuesday, October 27, 2020 11:31:27 Pacific Daylight Time

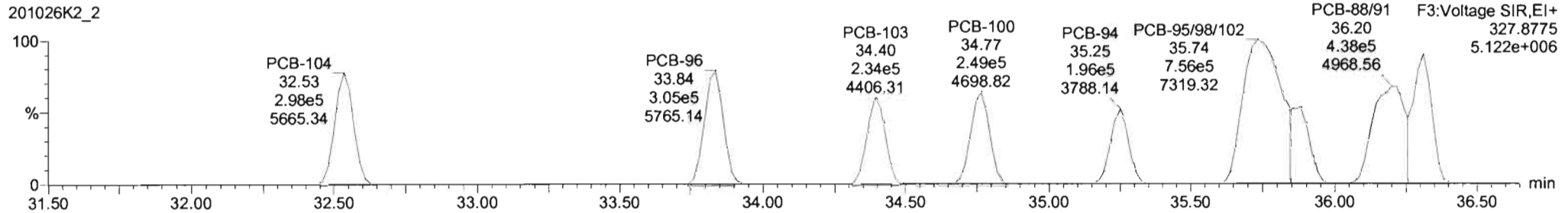
Name: 201026K2\_2, Date: 26-Oct-2020, Time: 22:43:55, ID: ST201026K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

**PCB-96**

201026K2\_2

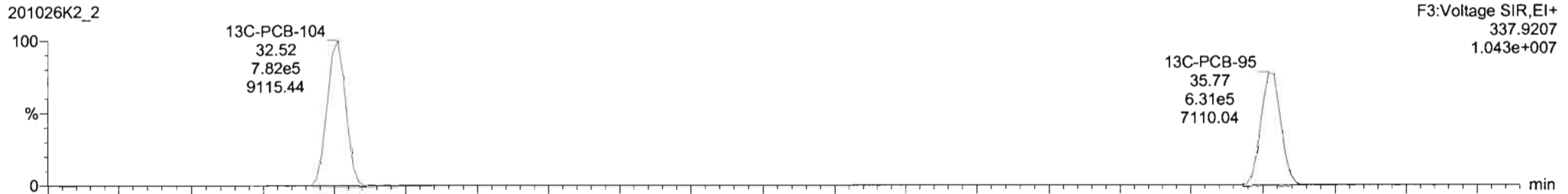


201026K2\_2

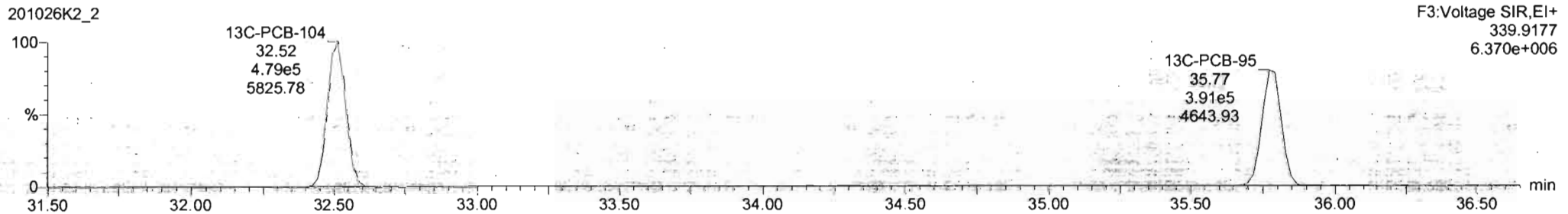


**13C-PCB-95**

201026K2\_2



201026K2\_2



Dataset: Untitled

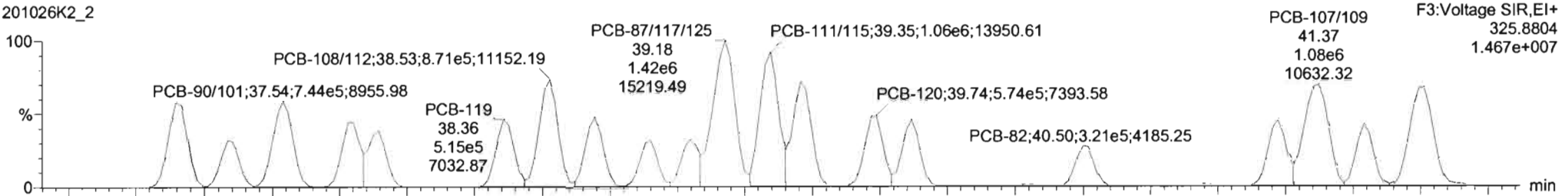
Last Altered: Tuesday, October 27, 2020 11:30:51 Pacific Daylight Time

Printed: Tuesday, October 27, 2020 11:31:27 Pacific Daylight Time

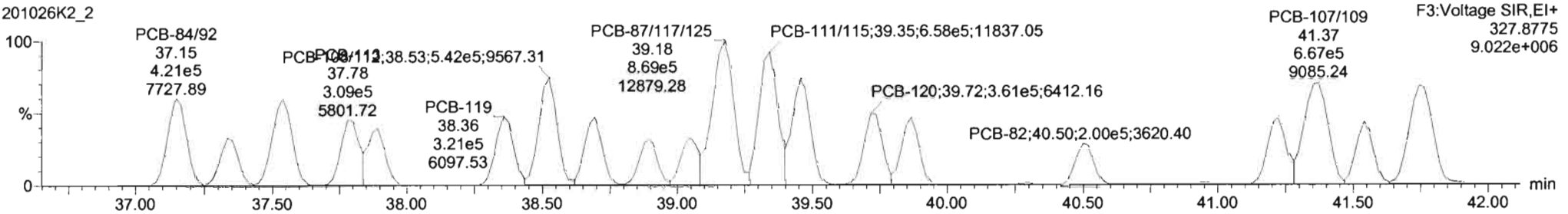
Name: 201026K2\_2, Date: 26-Oct-2020, Time: 22:43:55, ID: ST201026K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

**PCB-119**

201026K2\_2

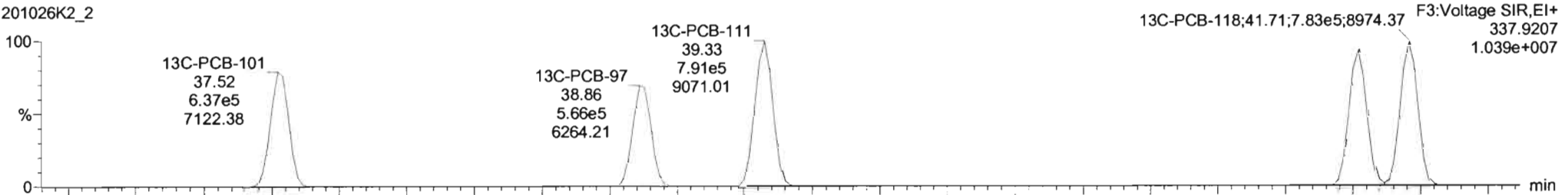


201026K2\_2

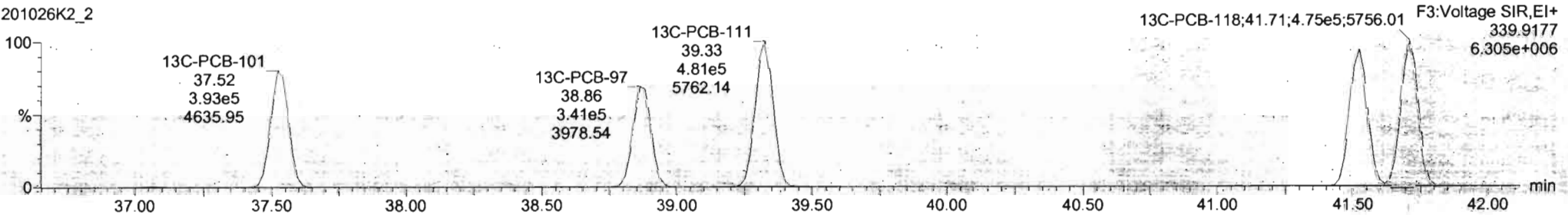


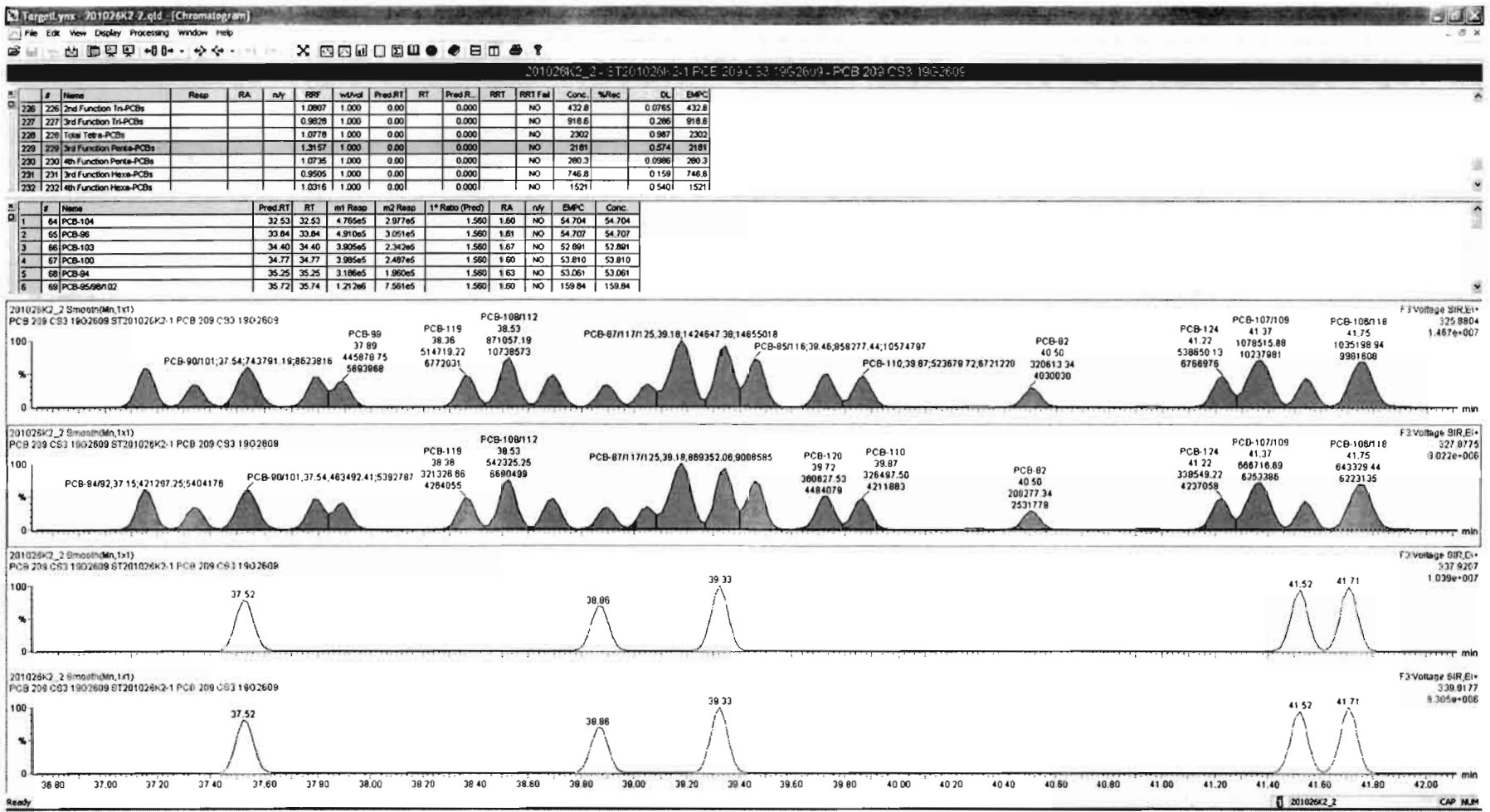
**13C-PCB-111**

201026K2\_2



201026K2\_2





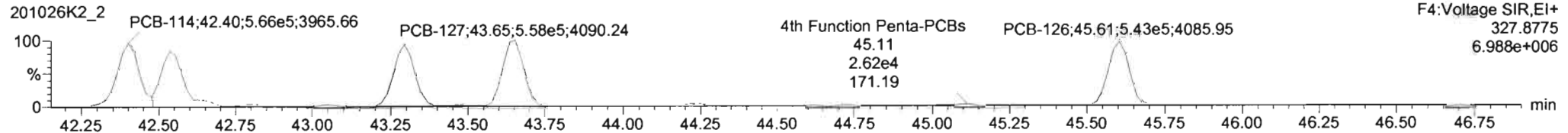
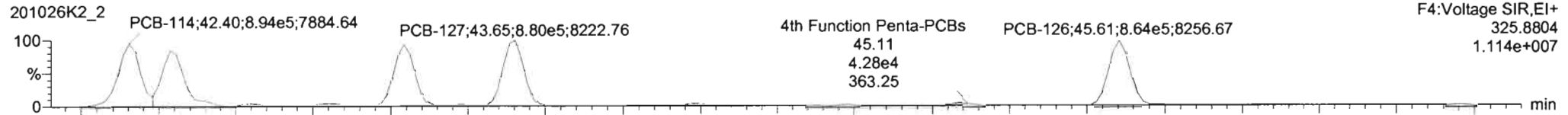
Dataset: Untitled

Last Altered: Tuesday, October 27, 2020 11:30:51 Pacific Daylight Time

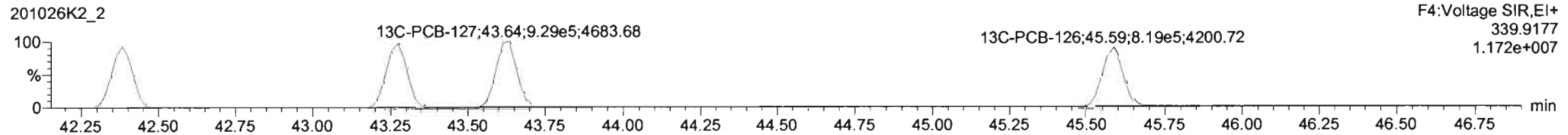
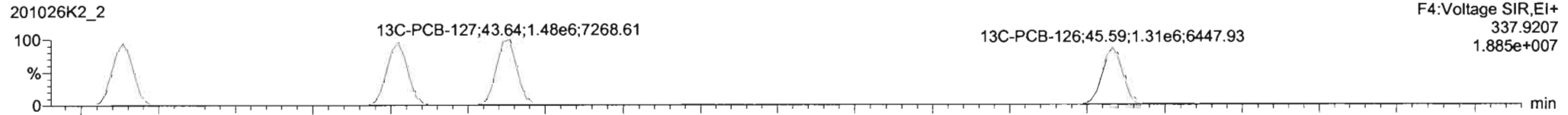
Printed: Tuesday, October 27, 2020 11:31:27 Pacific Daylight Time

Name: 201026K2\_2, Date: 26-Oct-2020, Time: 22:43:55, ID: ST201026K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

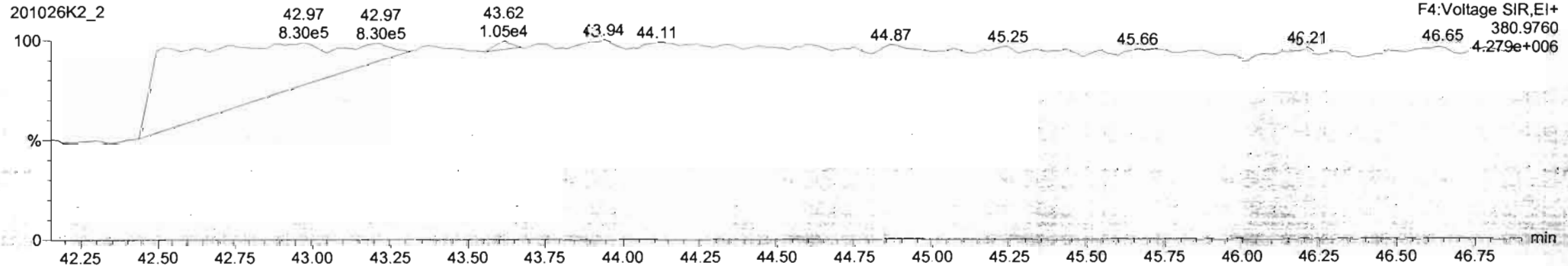
**PCB-114**



**13C-PCB-114**

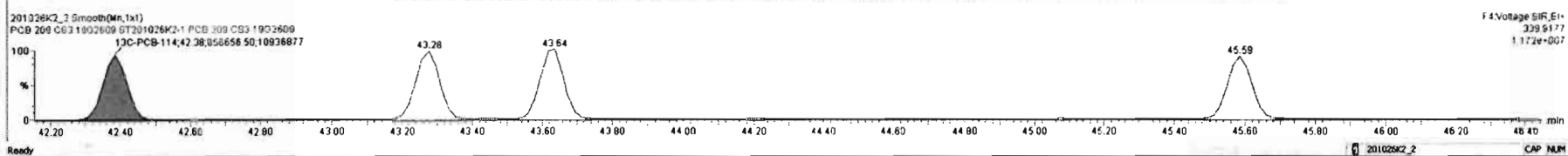


**PFK4a**



#	Name	Resp	RA	n/y	RRF	wt/wt	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
226	2nd Function Tri-PCBs				1.0907	1.000	0.00		0.000		NO	432.8		0.0765	432.8
227	3rd Function Tri-PCBs				0.9829	1.000	0.00		0.000		NO	918.6		0.286	918.6
228	Total Tetra-PCBs				1.0778	1.000	0.00		0.000		NO	2302		0.987	2302
229	3rd Function Penta-PCBs				1.3157	1.000	0.00		0.000		NO	2181		0.874	2181
230	4th Function Penta-PCBs				1.0735	1.000	0.00		0.000		NO	280.3		0.0988	280.3
231	3rd Function Hexa-PCBs				0.9505	1.000	0.00		0.000		NO	746.8		0.159	746.8
232	4th Function Hexa-PCBs				1.0316	1.000	0.00		0.000		NO	1521		0.5401	1521

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	93 PCB-114	42.41	42.40	8.683e5	5.504e5	1.560	1.58	NO	55.189	55.189
2	94 PCB-122	42.56	42.54	7.473e5	4.705e5	1.560	1.58	NO	57.250	57.250
3	95 PCB-105	43.29	43.29	8.187e5	5.145e5	1.550	1.59	NO	55.107	55.107
4	96 PCB-127	43.65	43.65	8.801e5	5.579e5	1.560	1.58	NO	56.327	56.327
5	97 PCB-126	45.60	45.61	8.644e5	5.430e5	1.560	1.59	NO	56.396	56.396



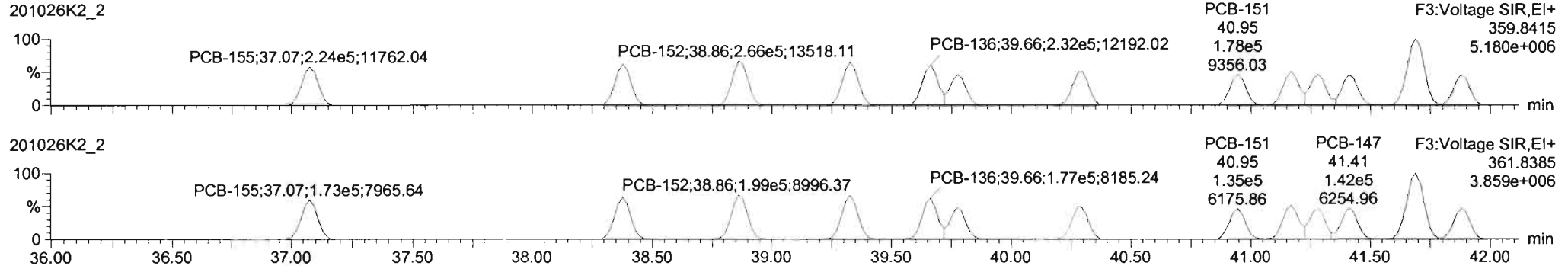
Dataset: Untitled

Last Altered: Tuesday, October 27, 2020 11:30:51 Pacific Daylight Time

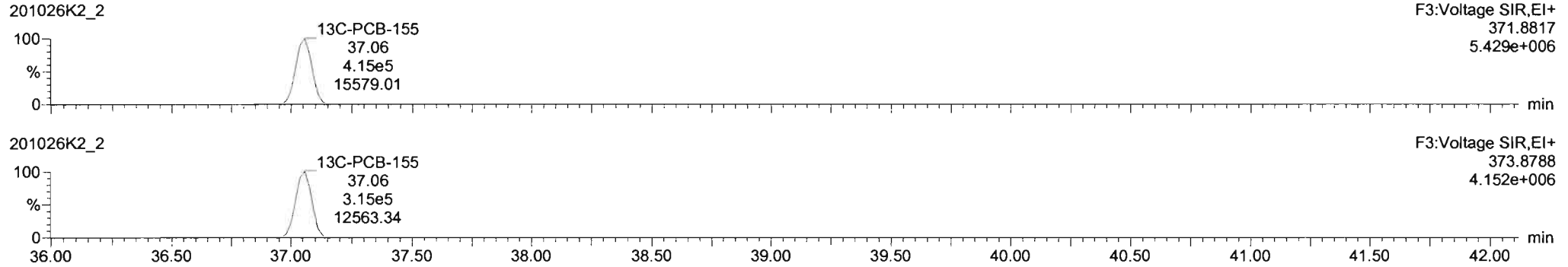
Printed: Tuesday, October 27, 2020 11:31:27 Pacific Daylight Time

Name: 201026K2\_2, Date: 26-Oct-2020, Time: 22:43:55, ID: ST201026K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

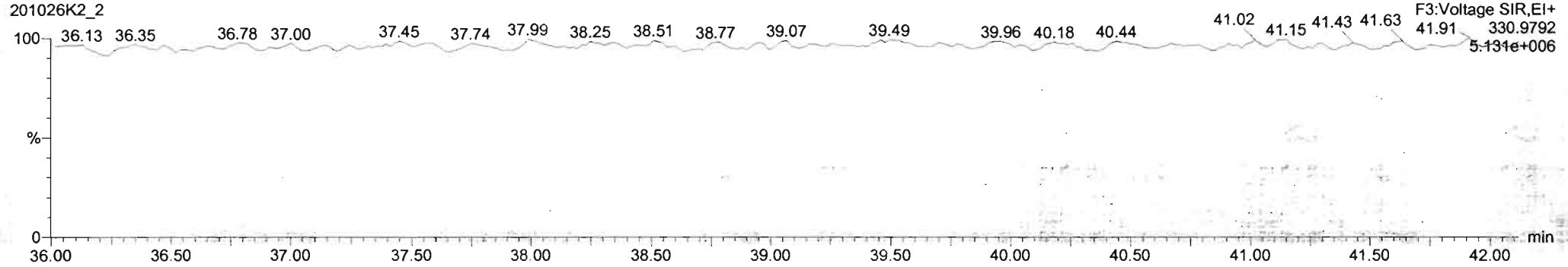
**PCB-155**



**13C-PCB-155**



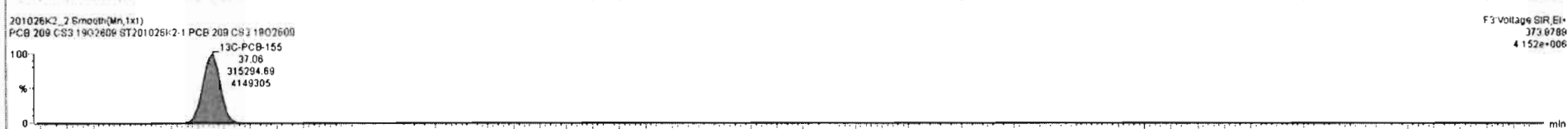
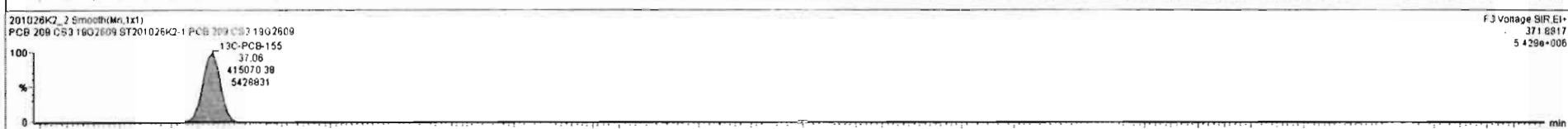
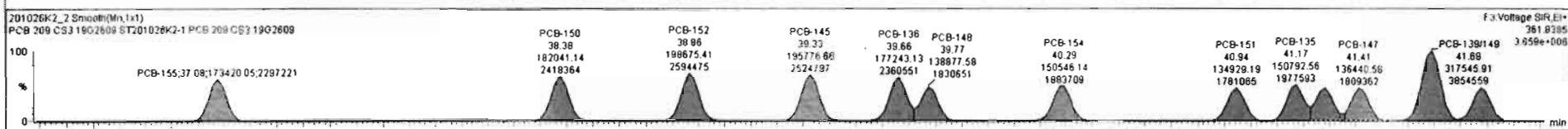
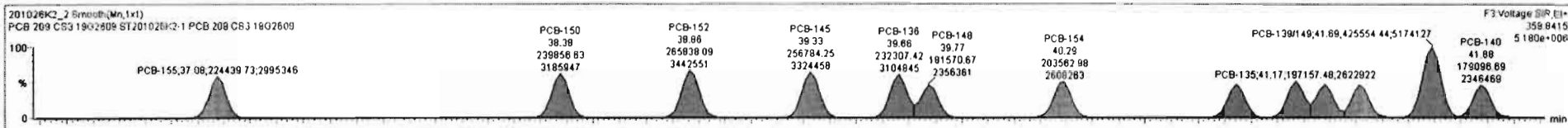
**PFK3c**





#	Name	Resp	RA	n/y	RFI	wt/rd	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
226	2nd Function Tri-PCBs				1.0607	1.000	0.00	0.000			NO	432.8		0.0765	432.8
227	3rd Function Tri-PCBs				0.9828	1.000	0.00	0.000			NO	918.6		0.286	918.6
228	Total Tetra-PCBs				1.0778	1.000	0.00	0.000			NO	2302		0.987	2302
229	3rd Function Penta-PCBs				1.3157	1.000	0.00	0.000			NO	2181		0.574	2181
230	4th Function Penta-PCBs				1.0735	1.000	0.00	0.000			NO	280.3		0.0986	280.3
231	3rd Function Hexa-PCBs				0.9505	1.000	0.00	0.000			NO	746.8		0.159	746.8
232	4th Function Hexa-PCBs				1.0316	1.000	0.00	0.000			NO	1521		0.540	1521

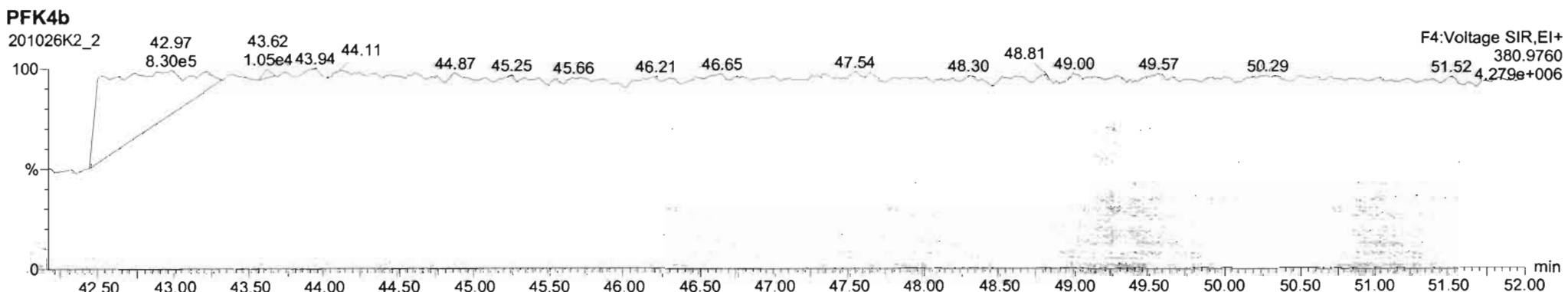
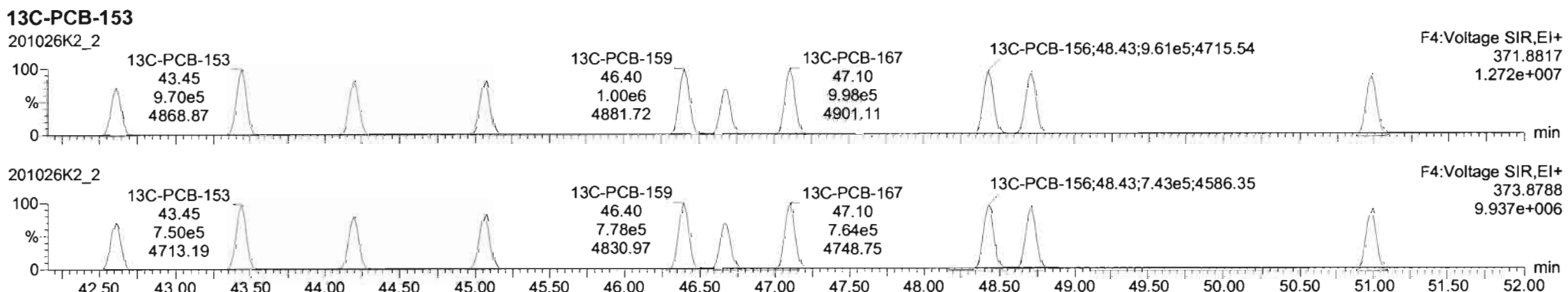
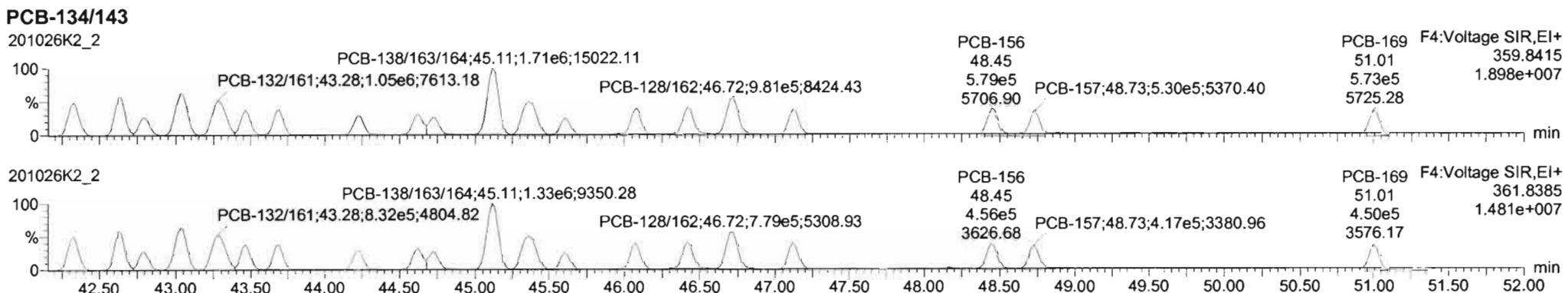
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc
1	98 PCB-155	37.08	37.08	2.244e5	1.734e5	1.240	1.28	NO	52.197	52.197
2	99 PCB-150	38.38	38.38	2.389e5	1.820e5	1.240	1.32	NO	53.318	53.318
3	100 PCB-152	38.86	38.86	2.658e5	1.987e5	1.240	1.34	NO	53.607	53.607
4	101 PCB-145	39.33	39.33	2.568e5	1.959e5	1.240	1.31	NO	52.137	52.137
5	102 PCB-136	39.66	39.66	2.323e5	1.772e5	1.240	1.31	NO	54.928	54.928
6	103 PCB-148	39.76	39.77	1.815e5	1.389e5	1.240	1.31	NO	52.134	52.134



Dataset: Untitled

Last Altered: Tuesday, October 27, 2020 11:30:51 Pacific Daylight Time  
 Printed: Tuesday, October 27, 2020 11:31:27 Pacific Daylight Time

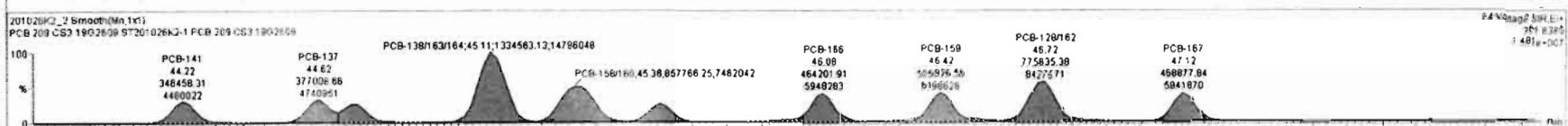
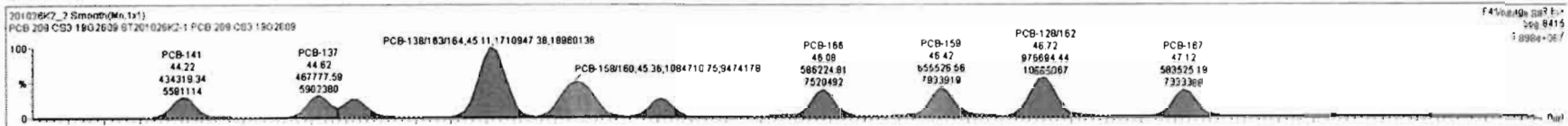
Name: 201026K2\_2, Date: 26-Oct-2020, Time: 22:43:55, ID: ST201026K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609



201026K2\_2 - ST201026K2-1-PCB 209 C53 1902609 - PCB 209 C53 1902609

#	Name	Resp	RA	n/y	RRF	WtVol	Pred RT	RT	Pred.R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
226	226 2nd Function Tri-PCBs	1.0607	1.000	0.00	0.000				0.000		NO	432.8	0.0765	432.8	
227	227 3rd Function Tri-PCBs	0.9828	1.000	0.00	0.000				0.000		NO	918.8	0.206	918.8	
228	228 Total Tetra-PCBs	1.0778	1.000	0.00	0.000				0.000		NO	2302	0.987	2302	
229	229 3rd Function Penta-PCBs	1.3157	1.000	0.00	0.000				0.000		NO	2181	0.574	2181	
230	230 4th Function Penta-PCBs	1.0735	1.000	0.00	0.000				0.000		NO	260.3	0.0986	260.3	
231	231 3rd Function Hexa-PCBs	0.9505	1.000	0.00	0.000				0.000		NO	746.8	0.159	746.8	
232	232 4th Function Hexa-PCBs	1.0316	1.000	0.00	0.000				0.000		NO	1521	0.640	1521	

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1% Ratio (Pred)	RA	n/y	EMPC	Conc
1	111 PCB-134/143	42.33	42.33	8.234e5	6.508e5	1.240	1.26	NO	112.95	112.95
2	112 PCB-131/133	42.85	42.83	8.629e5	8.841e5	1.240	1.26	NO	109.59	109.59
3	113 PCB-142	42.81	42.80	3.932e5	3.131e5	1.240	1.26	NO	54.448	54.448
4	114 PCB-146/165	43.05	43.03	1.069e6	8.420e5	1.240	1.27	NO	109.30	109.30
5	115 PCB-132/161	43.29	43.28	1.052e6	8.318e5	1.240	1.26	NO	106.96	106.96
6	116 PCB-163	43.46	43.47	5.468e5	4.349e5	1.240	1.26	NO	53.322	53.322

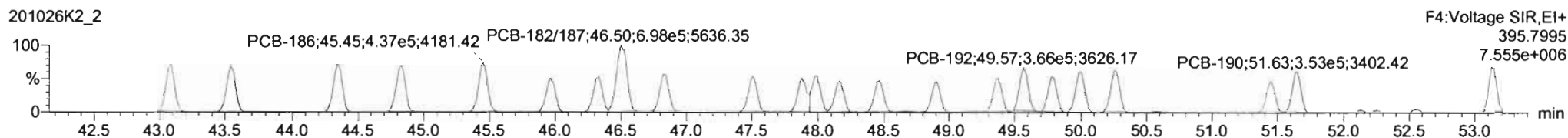
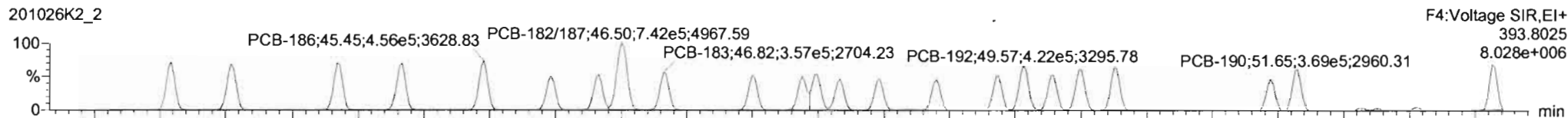


Dataset: Untitled

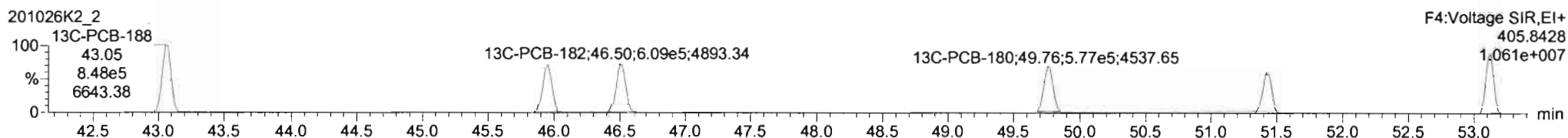
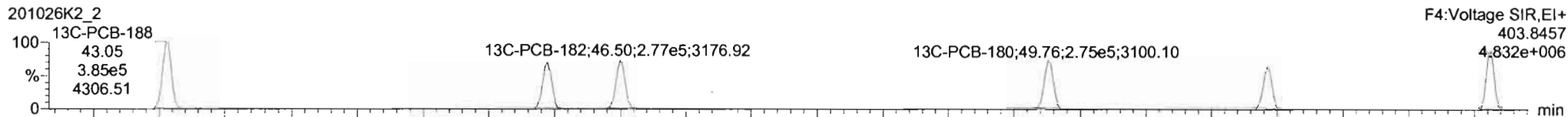
Last Altered: Tuesday, October 27, 2020 11:30:51 Pacific Daylight Time  
Printed: Tuesday, October 27, 2020 11:31:27 Pacific Daylight Time

Name: 201026K2\_2, Date: 26-Oct-2020, Time: 22:43:55, ID: ST201026K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

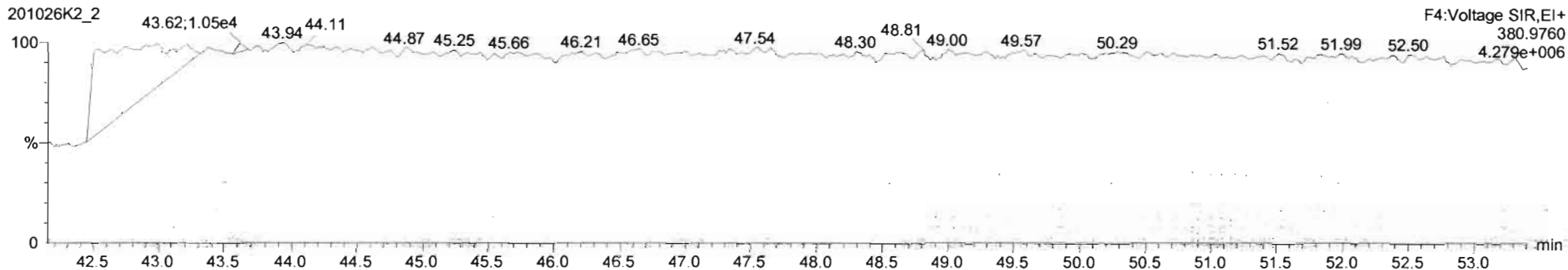
**PCB-188**



**13C-PCB-188**

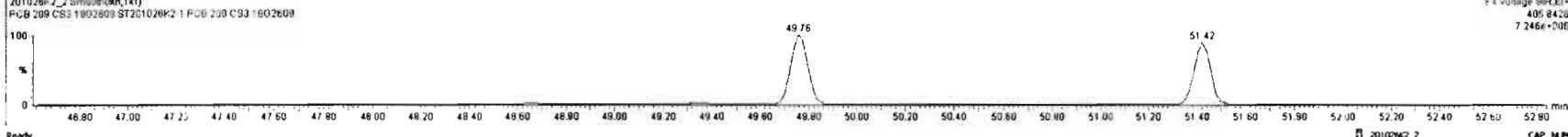
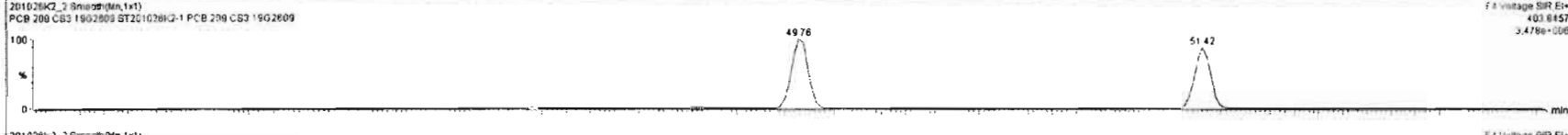
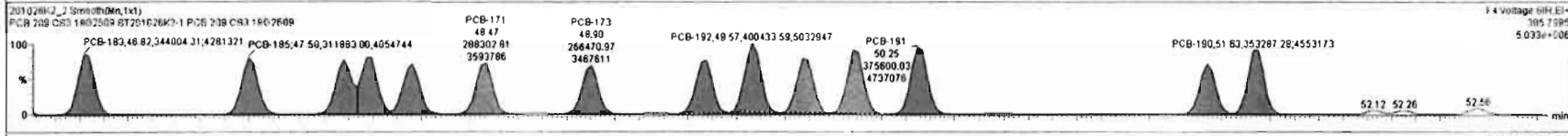
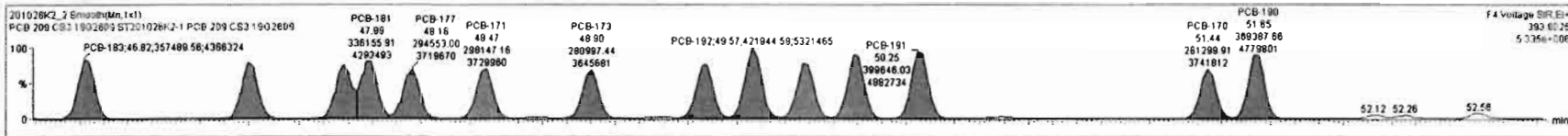


**PFK4c**



#	Name	Resp	RA	nly	RRF	wAveI	Pred RT	RT	Pred R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
233	Total HxPa-PCBs				1.3551	1.000	0.00		0.000		NO	1.293		0.830	1.293
234	4th Function Octa-PCBs				1.0008	1.000	0.00		0.000		NO	486.4		0.178	486.4
235	9th Function Octa-PCBs				1.1499	1.000	0.00		0.000		NO	164.8		0.0858	164.8
236	Total HxPa-PCBs				0.9523	1.000	0.00		0.000		NO	167.0		0.0736	167.0
237	Deca-CB				0.9864	1.000	0.00		0.000		NO	52.85		0.0112	52.85
238	Total PCBs														
239	Total Mono-Aroclors														

#	Name	Pred RT	RT	int Resp	int Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	131 PCB-188	43.09	43.09	4.420e5	4.197e5	1.050	1.05	NO	54.160	54.160
2	132 PCB-184	43.54	43.54	4.345e5	4.083e5	1.050	1.06	NO	55.463	55.463
3	133 PCB-179	44.34	44.34	4.443e5	4.213e5	1.050	1.05	NO	54.054	54.054
4	134 PCB-176	44.83	44.83	4.401e5	4.158e5	1.050	1.08	NO	53.023	53.023
5	135 PCB-186	45.45	45.45	4.558e5	4.308e5	1.050	1.04	NO	54.456	54.456
6	136 PCB-178	45.87	45.87	3.134e5	2.945e5	1.050	1.06	NO	52.237	52.237



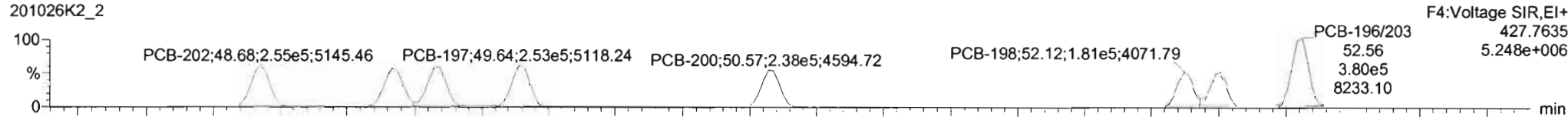
Dataset: Untitled

Last Altered: Tuesday, October 27, 2020 11:30:51 Pacific Daylight Time  
Printed: Tuesday, October 27, 2020 11:31:27 Pacific Daylight Time

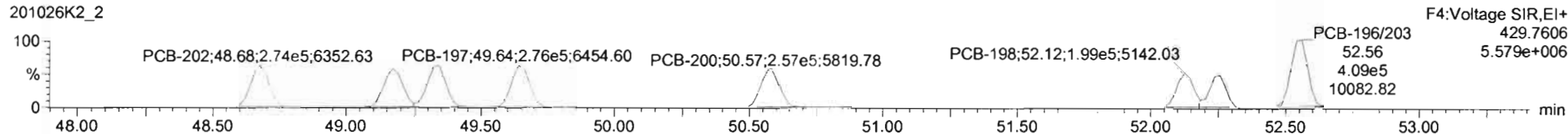
Name: 201026K2\_2, Date: 26-Oct-2020, Time: 22:43:55, ID: ST201026K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

**PCB-202**

201026K2\_2

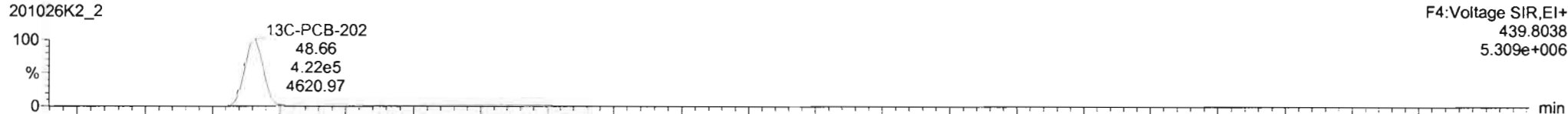


201026K2\_2

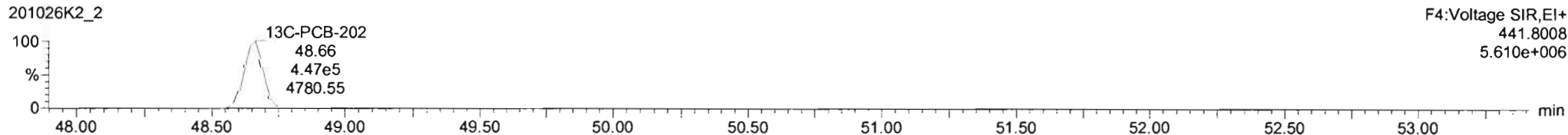


**13C-PCB-202**

201026K2\_2

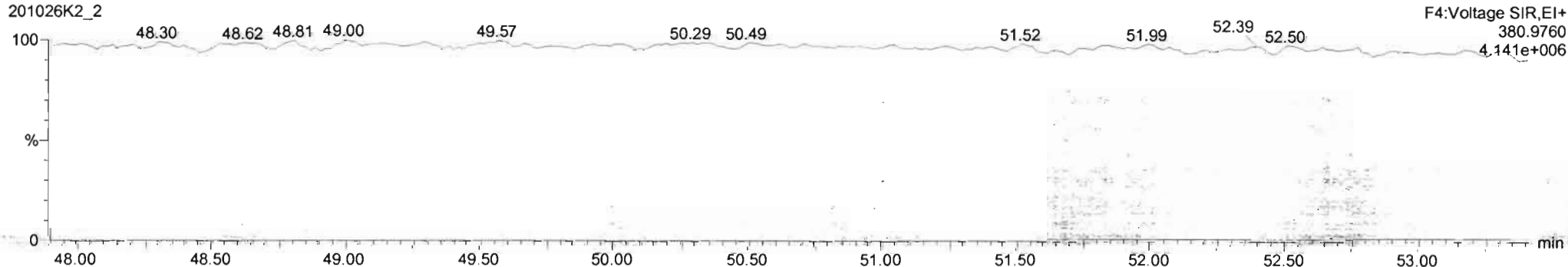


201026K2\_2



**PFK4d**

201026K2\_2

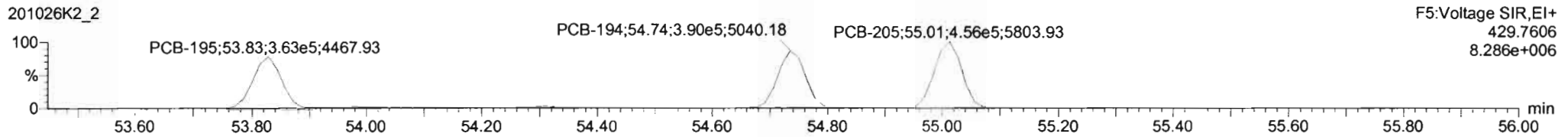
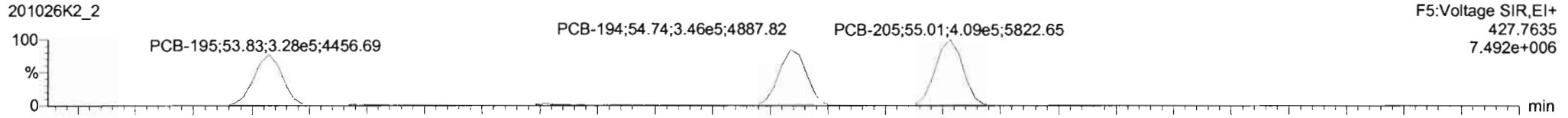


Dataset: Untitled

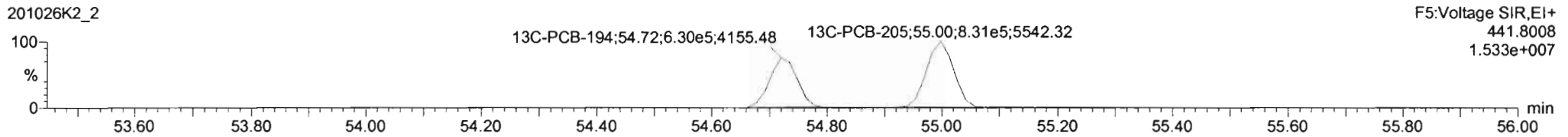
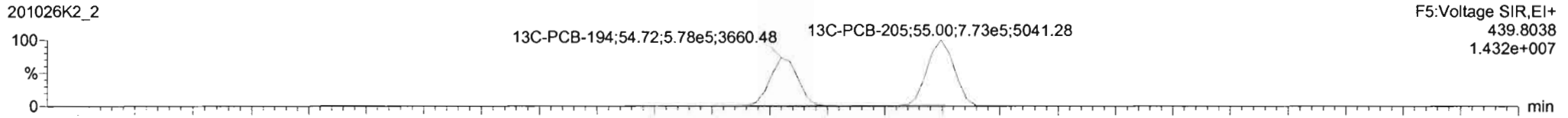
Last Altered: Tuesday, October 27, 2020 11:30:51 Pacific Daylight Time  
Printed: Tuesday, October 27, 2020 11:31:27 Pacific Daylight Time

Name: 201026K2\_2, Date: 26-Oct-2020, Time: 22:43:55, ID: ST201026K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

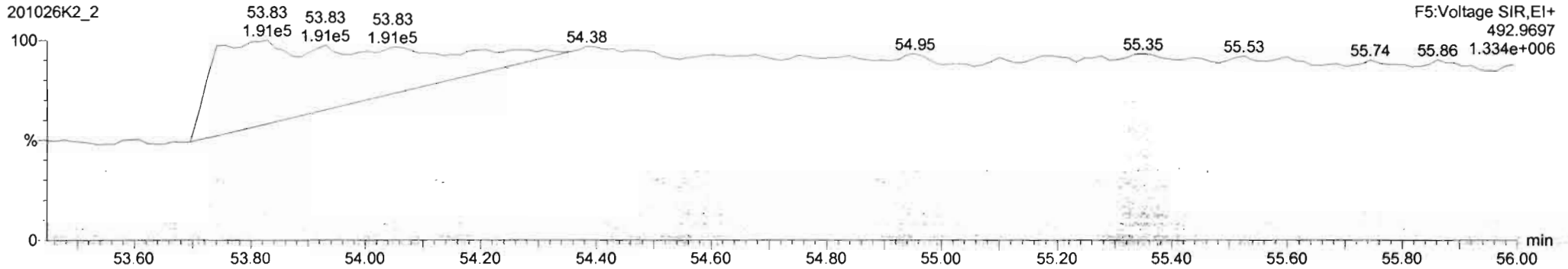
**PCB-195**



**13C-PCB-194**



**PFK5a**



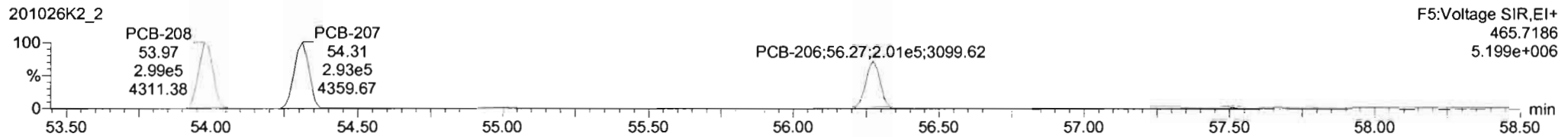
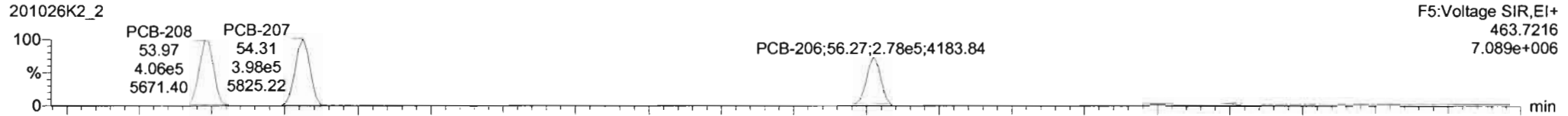
Dataset: Untitled

Last Altered: Tuesday, October 27, 2020 11:30:51 Pacific Daylight Time

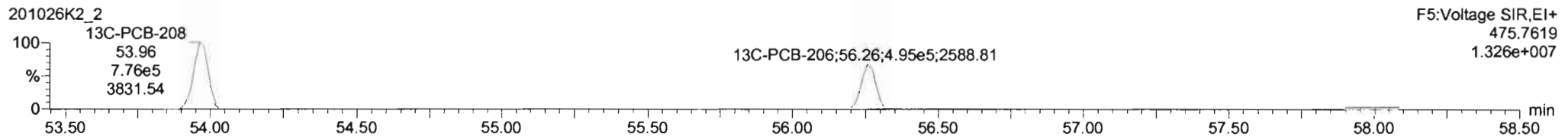
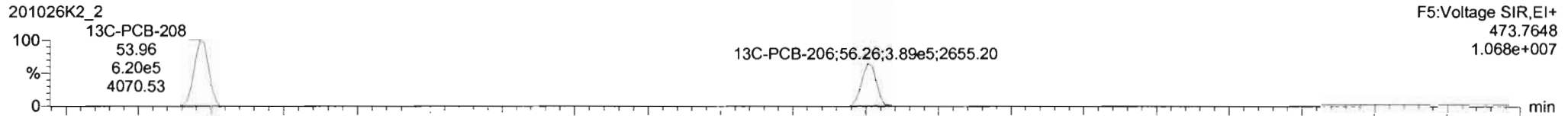
Printed: Tuesday, October 27, 2020 11:31:27 Pacific Daylight Time

Name: 201026K2\_2, Date: 26-Oct-2020, Time: 22:43:55, ID: ST201026K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

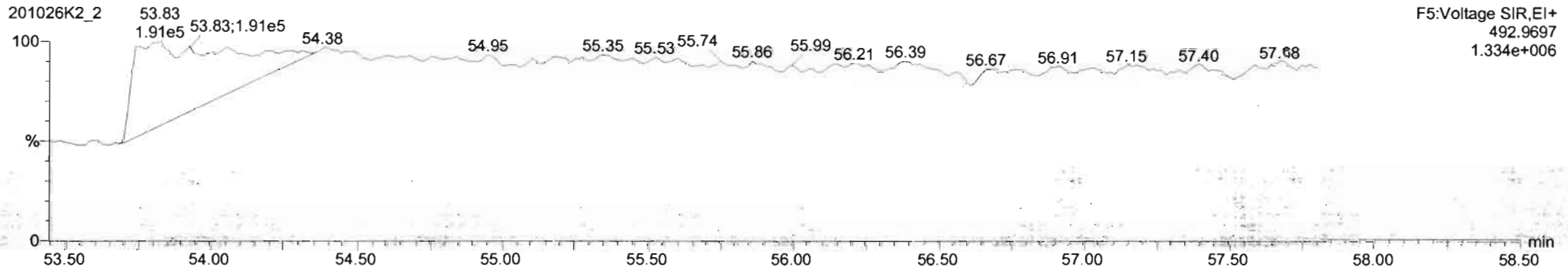
**PCB-208**



**13C-PCB-208**



**PFK5**





Dataset: Untitled

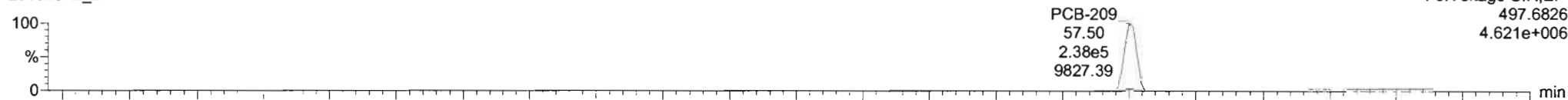
Last Altered: Tuesday, October 27, 2020 11:30:51 Pacific Daylight Time

Printed: Tuesday, October 27, 2020 11:31:27 Pacific Daylight Time

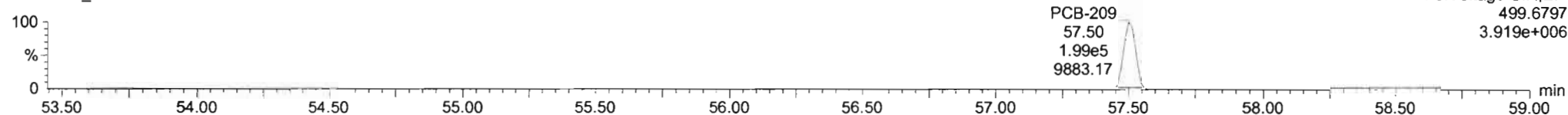
Name: 201026K2\_2, Date: 26-Oct-2020, Time: 22:43:55, ID: ST201026K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

**PCB-209**

201026K2\_2

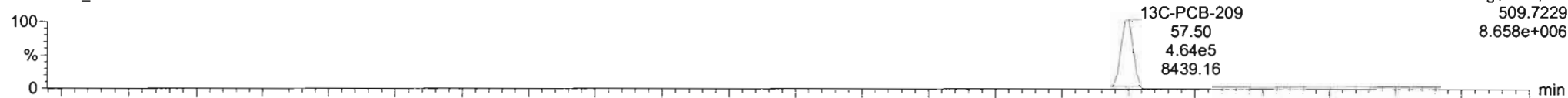


201026K2\_2

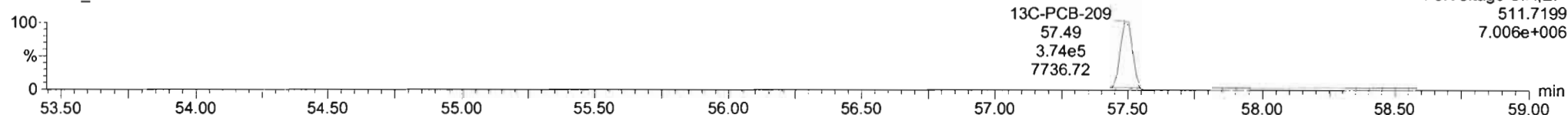


**13C-PCB-209**

201026K2\_2

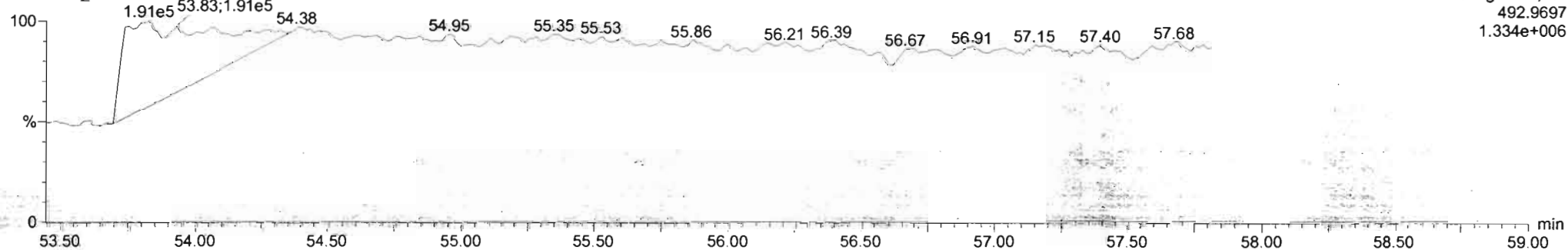


201026K2\_2



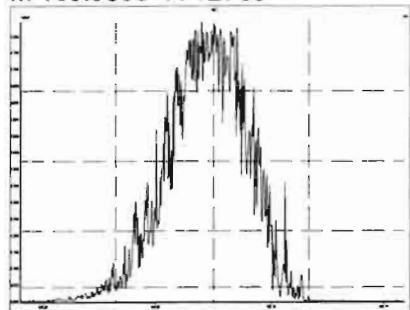
**PFK5b**

201026K2\_2

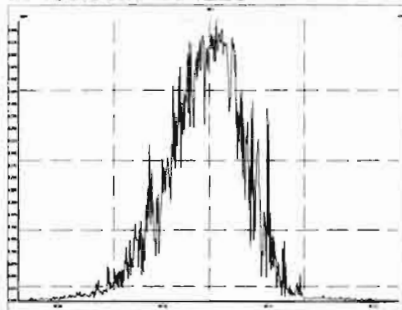


Printed: Tuesday, October 27, 2020 10:57:47 Pacific Daylight Time

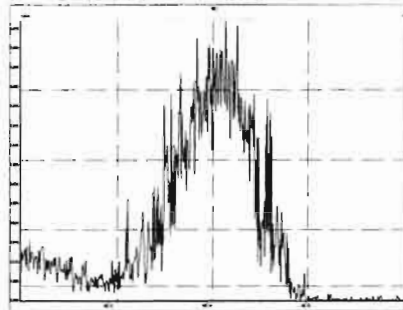
M 168.9888 R 12759



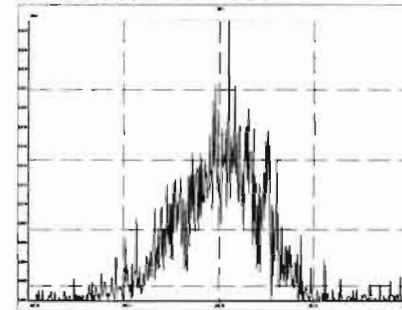
M 180.9888 R 12257



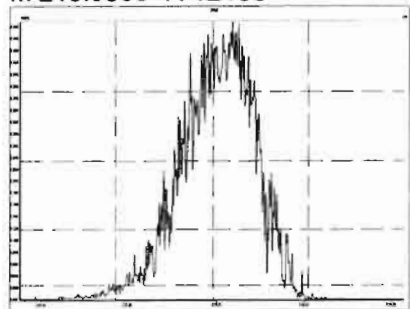
M 192.9888 R 11363



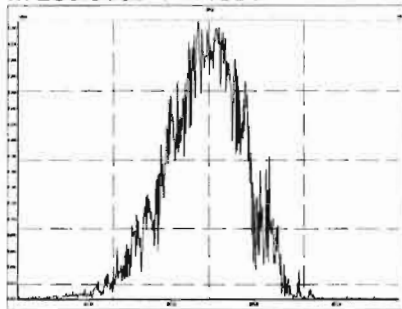
M 204.9888 R 14001



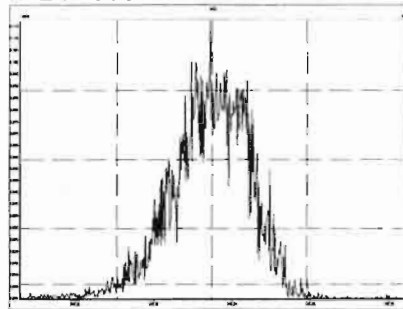
M 218.9856 R 12136



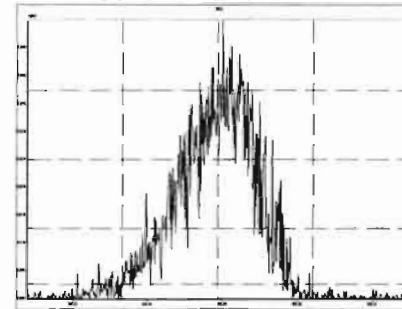
M 230.9856 R 11931



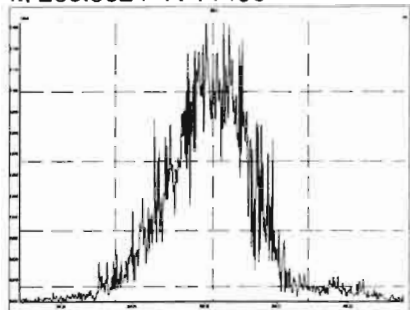
M 242.9856 R 12392



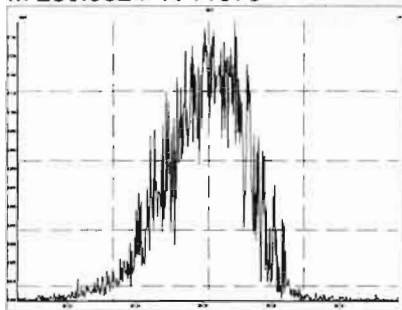
M 254.9856 R 12787



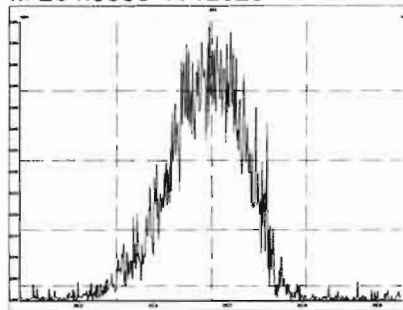
M 268.9824 R 11495



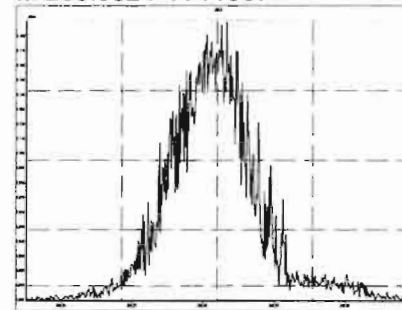
M 280.9824 R 11978



M 254.9856 R 12929

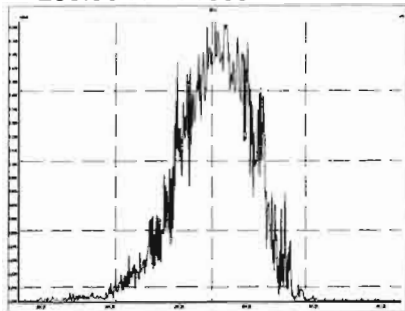


M 268.9824 R 11367

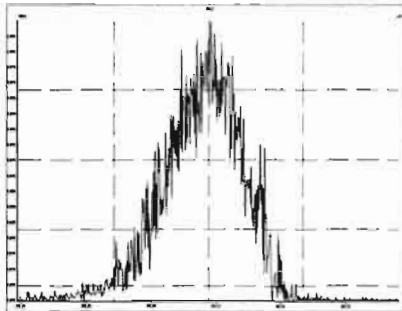


Printed: Tuesday, October 27, 2020 10:57:47 Pacific Daylight Time

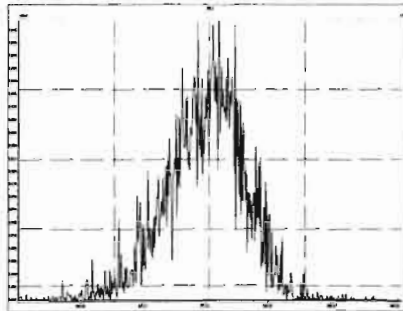
M 280.9824 R 13631



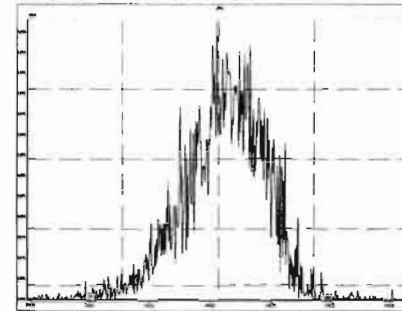
M 292.9824 R 12559



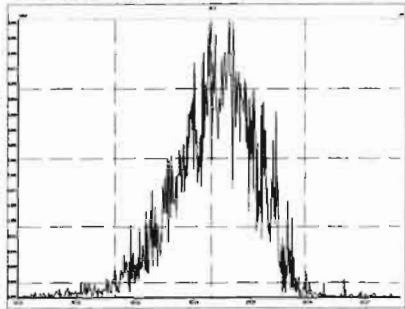
M 304.9824 R 13130



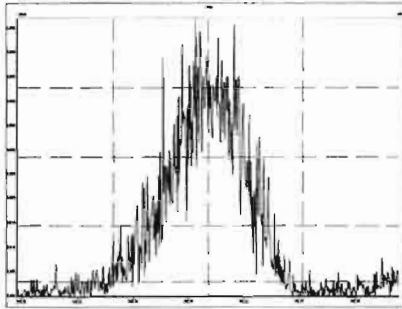
M 318.9792 R 14540



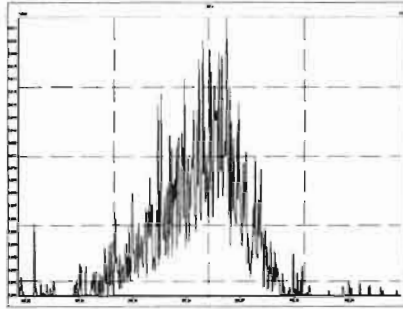
M 330.9792 R 13111



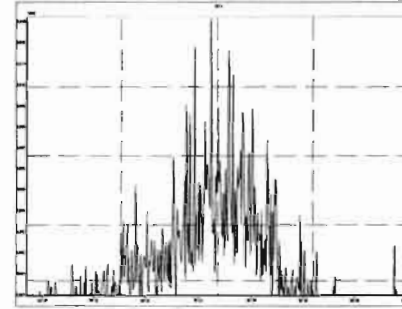
M 342.9792 R 11749



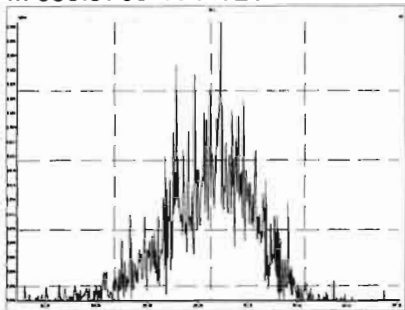
M 354.9792 R 14631



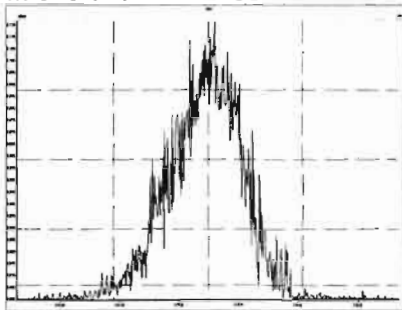
M 366.9792 R 33747



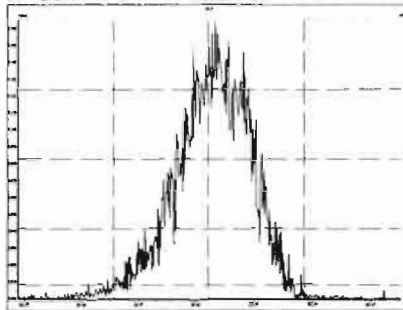
M 380.9760 R 14721



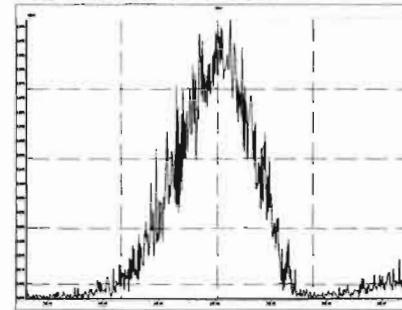
M 318.9792 R 12435



M 330.9792 R 12290

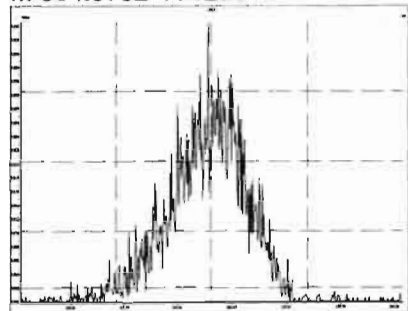


M 342.9792 R 11962

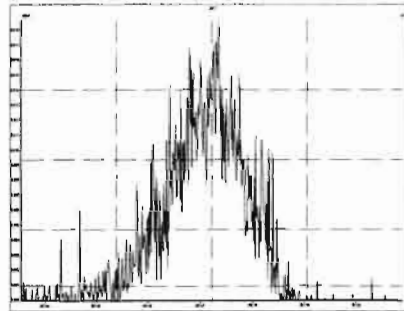


Printed: Tuesday, October 27, 2020 10:57:47 Pacific Daylight Time

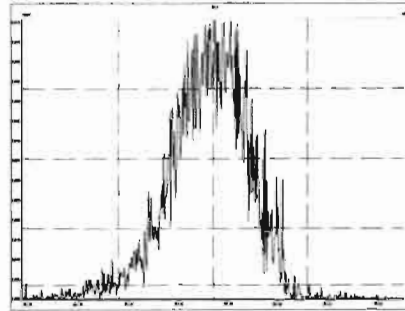
M 354.9792 R 12757



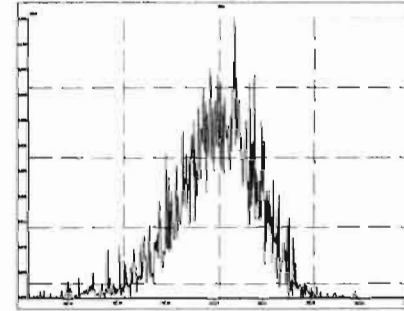
M 366.9792 R 14001



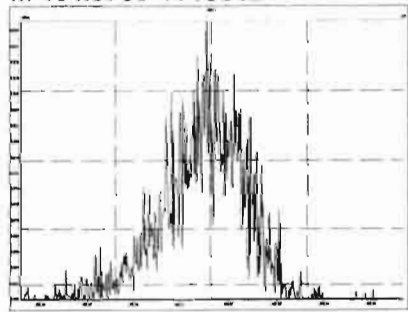
M 380.9760 R 11990



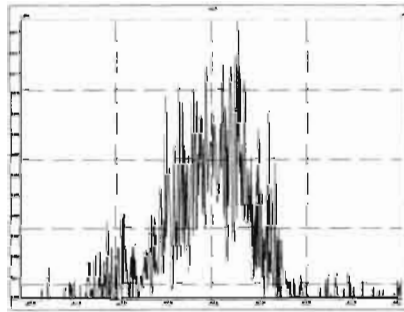
M 392.9760 R 13332



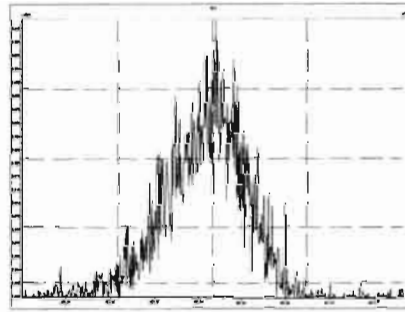
M 404.9760 R 13862



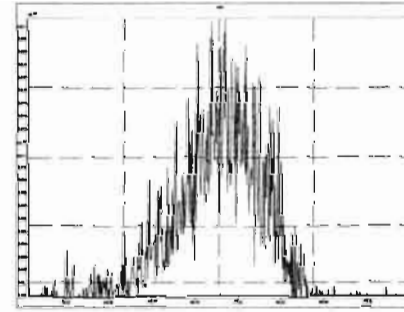
M 416.9760 R 19942



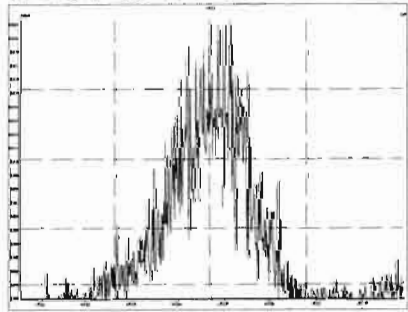
M 430.9728 R 12681



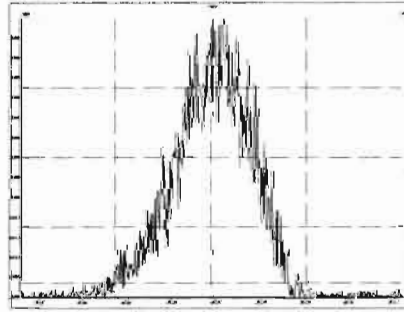
M 442.9728 R 13117



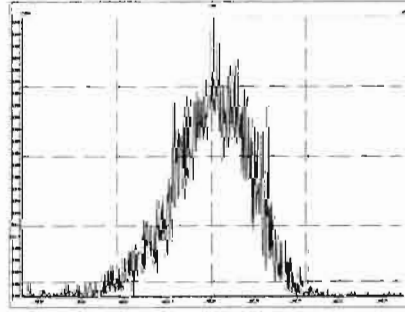
M 416.9760 R 12567



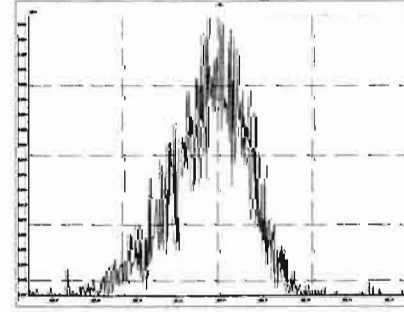
M 430.9728 R 12056



M 442.9728 R 12664

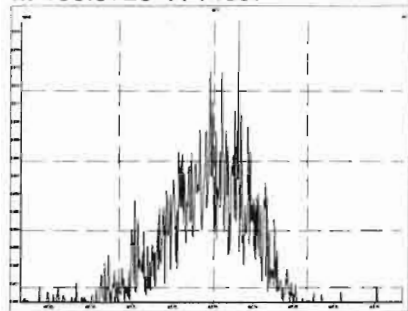


M 454.9728 R 13923

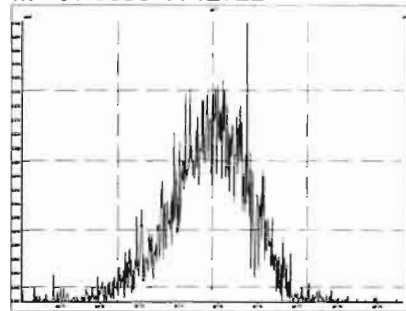


Printed: Tuesday, October 27, 2020 10:57:47 Pacific Daylight Time

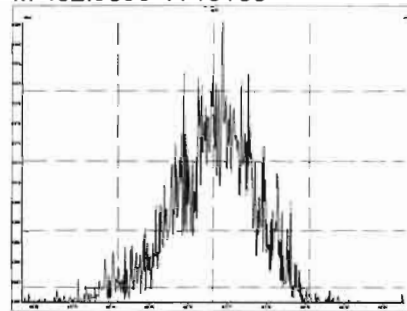
M 466.9728 R 14607



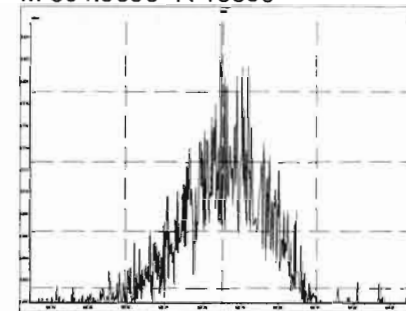
M 480.9696 R 12722



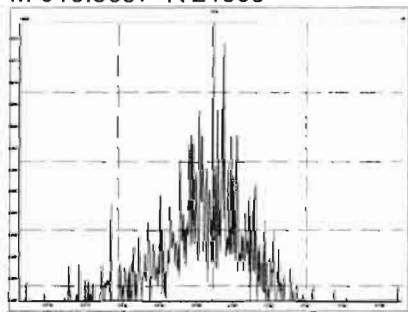
M 492.9696 R 13166



M 504.9696 R 13890



M 516.9697 R 21956



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

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

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

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	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

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: 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

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: 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

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: 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

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: 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

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-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

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

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



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

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

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

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

**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

Method: U:\VG12.PRO\MethDB\1613rrt-10-10-20.mdb 12 Oct 2020 11:06:31

Calibration: U:\VG12.PRO\CurveDB\ldbDIOXIN\_1613vg12-10-10-20.cdb 12 Oct 2020 14:50:48

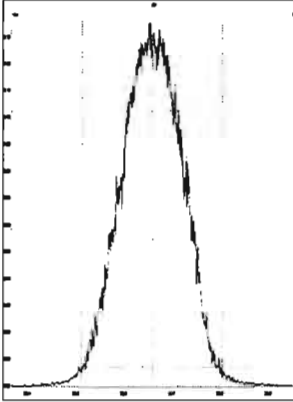
Compound name: 2,3,7,8-TCDD

	Name	ID	Acq.Date	Acq.Time
1	201020R1_1	ST201020R1_1 1613 CS0 20F1102	20-Oct-20	09:17:10
2	201020R1_2	ST201020R1_2 1613 CS1 20F1103	20-Oct-20	10:04:05
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

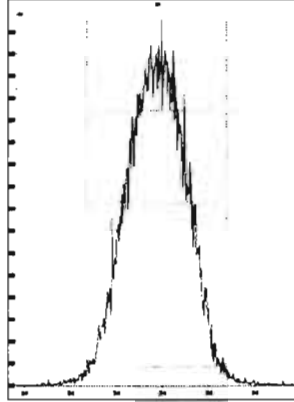
File: Experiment: OCDD\_DB5\_2.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Tuesday, October 20, 2020 09:00:19 Pacific Daylight Time

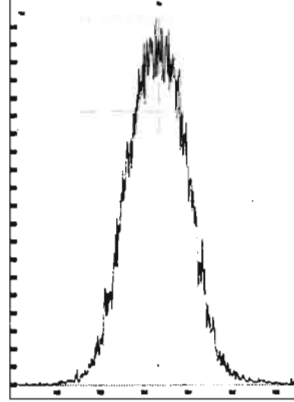
M 292.9824 R 10508



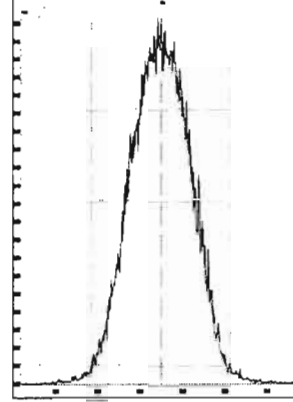
M 304.9824 R 10684



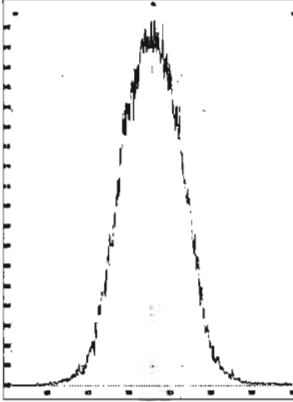
M 318.9792 R 10329



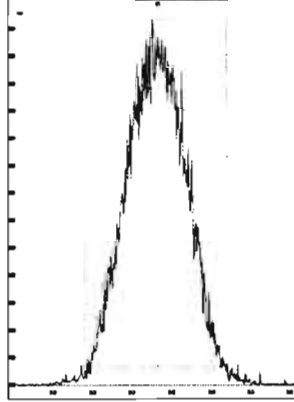
M 330.9792 R 10417



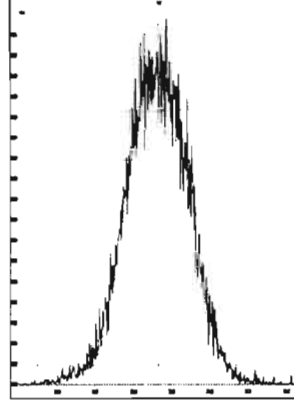
M 342.9792 R 10502



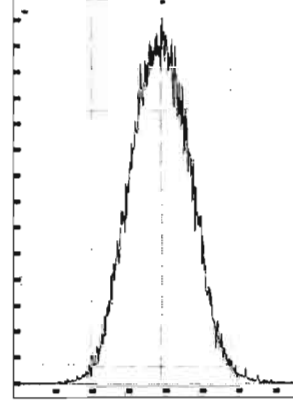
M 354.9792 R 10416



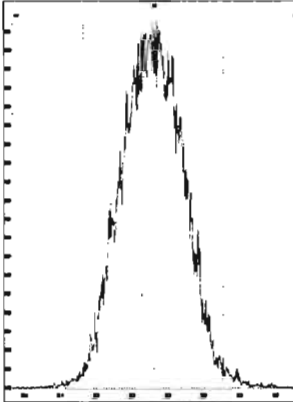
M 366.9792 R 10285



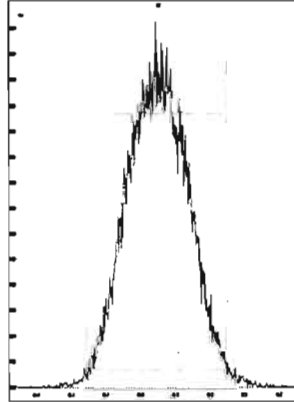
M 380.9760 R 10162



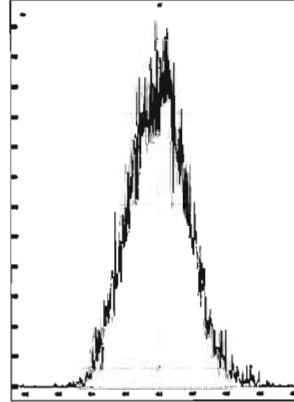
M 392.9760 R 10371



M 404.9760 R 10330



M 416.9760 R 10914

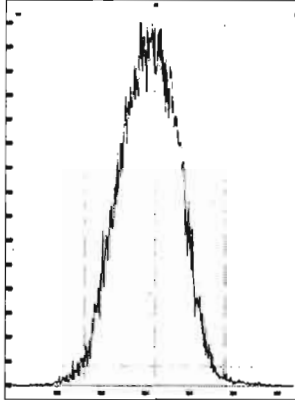




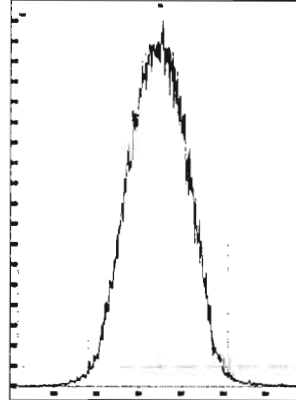
File: Experiment: OCDD\_DB5\_2.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

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

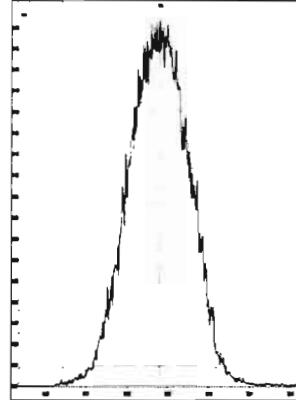
M 318.9792 R 10548



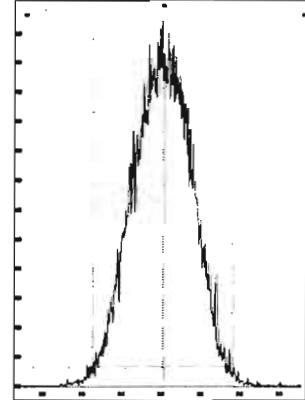
M 330.9792 R 10680



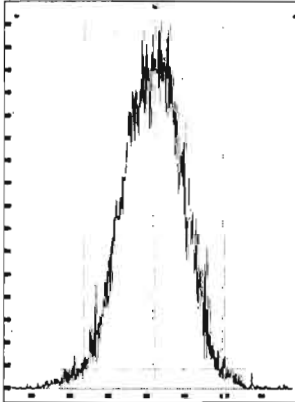
M 342.9792 R 10547



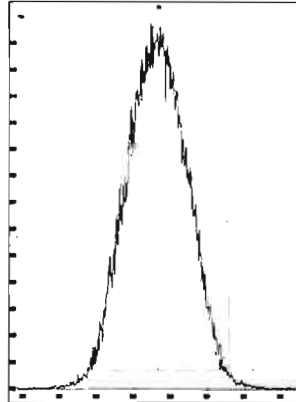
M 354.9792 R 10731



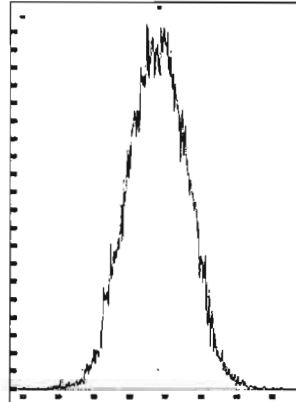
M 366.9792 R 10287



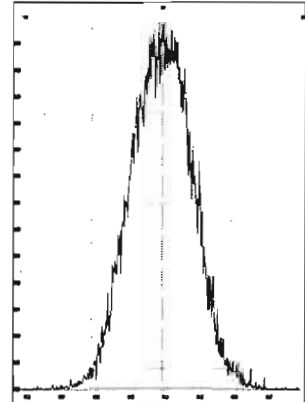
M 380.9760 R 10370



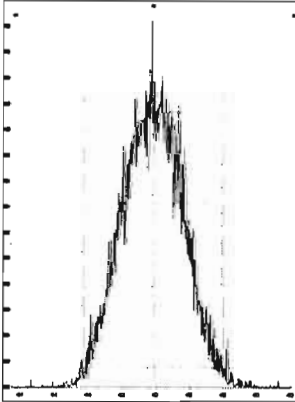
M 392.9760 R 10203



M 404.9760 R 10639



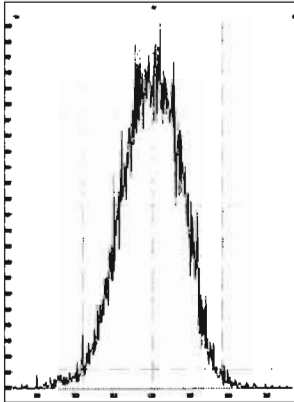
M 416.9760 R 11060



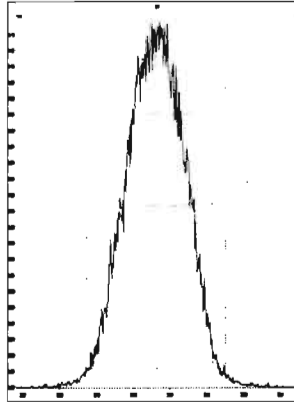
File: Experiment: OCDD\_DB5\_2.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

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

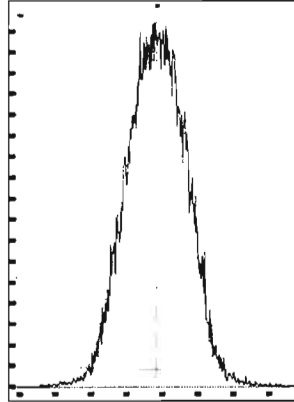
M 366.9792 R 10592



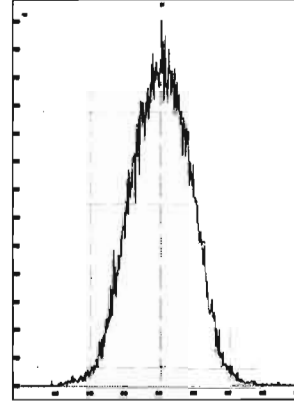
M 380.9760 R 10962



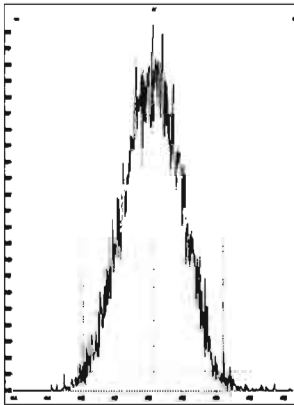
M 392.9760 R 11012



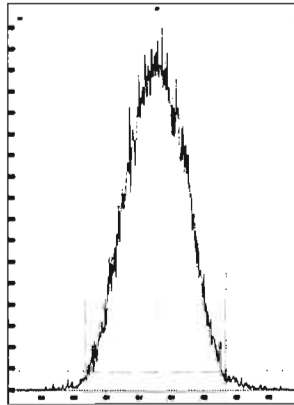
M 404.9760 R 10549



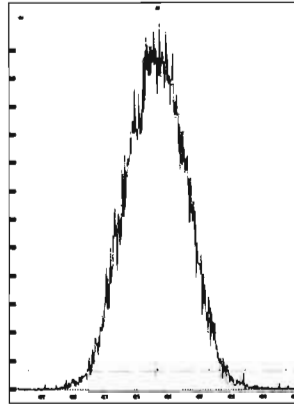
M 416.9760 R 11213



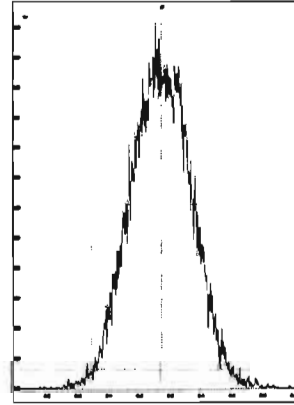
M 430.9728 R 10549



M 442.9728 R 10640



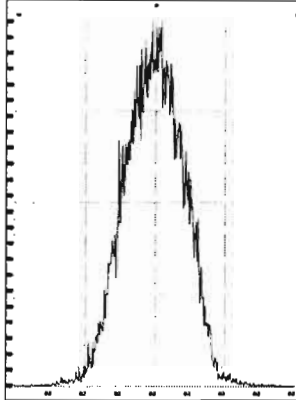
M 454.9728 R 10246



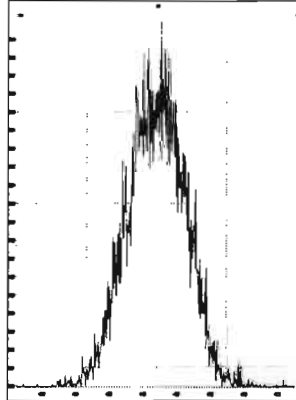
File: Experiment: OCDD\_DB5\_2.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

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

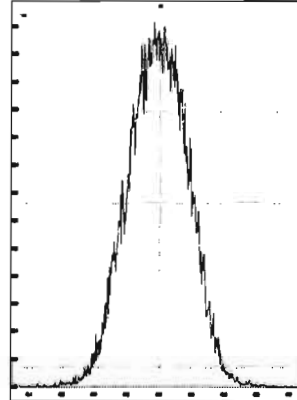
M 404.9760 R 10871



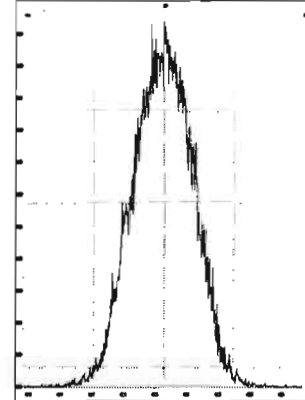
M 416.9760 R 11520



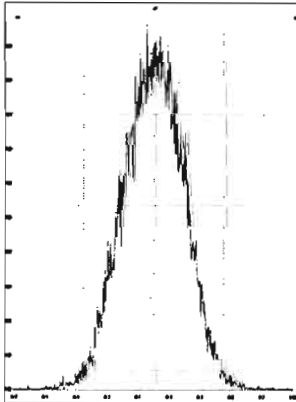
M 430.9728 R 10727



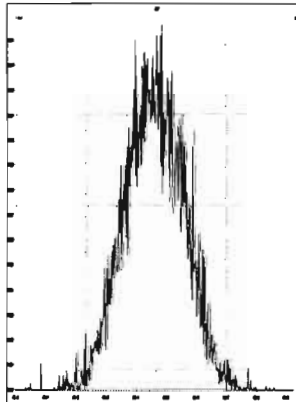
M 442.9728 R 10869



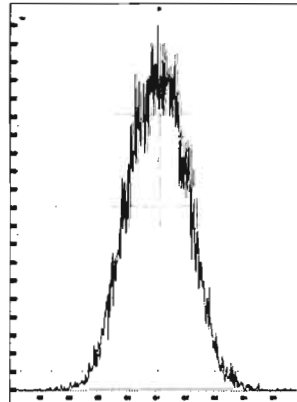
M 454.9728 R 10591



M 466.9728 R 10869



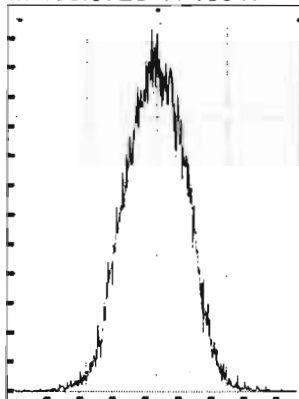
M 480.9696 R 10371



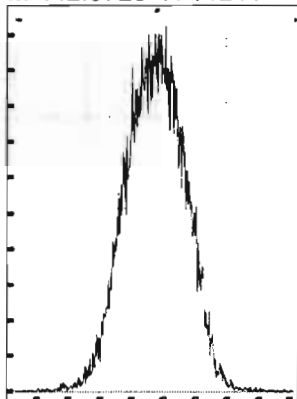
File: Experiment: OCDD\_DB5\_2.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

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

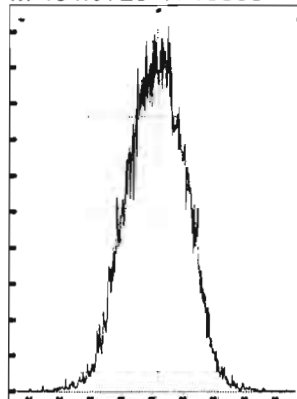
M 430.9728 R 10547



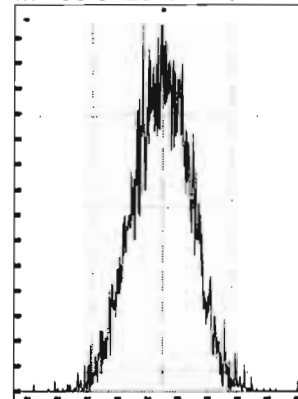
M 442.9728 R 11211



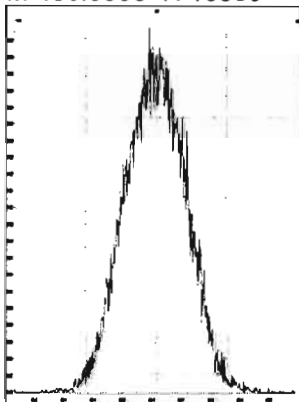
M 454.9728 R 10868



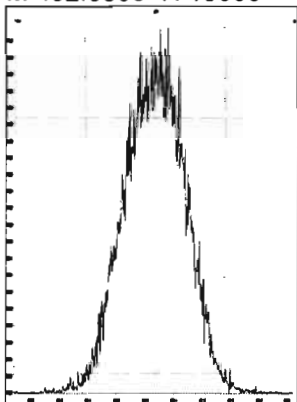
M 466.9728 R 11849



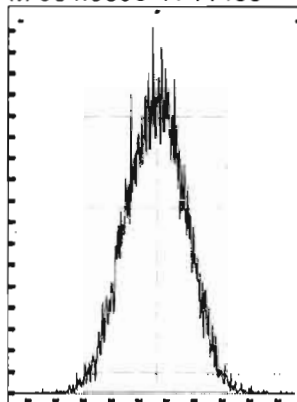
M 480.9696 R 10683



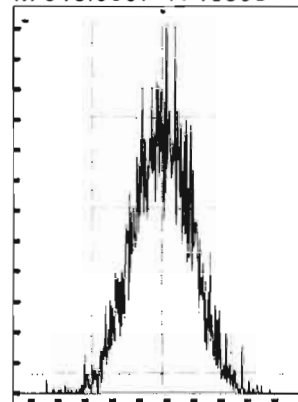
M 492.9696 R 10505



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

Method: U:\VG12.PRO\MethDB\CPSM.mdb 20 Sep 2020 10:23:28  
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

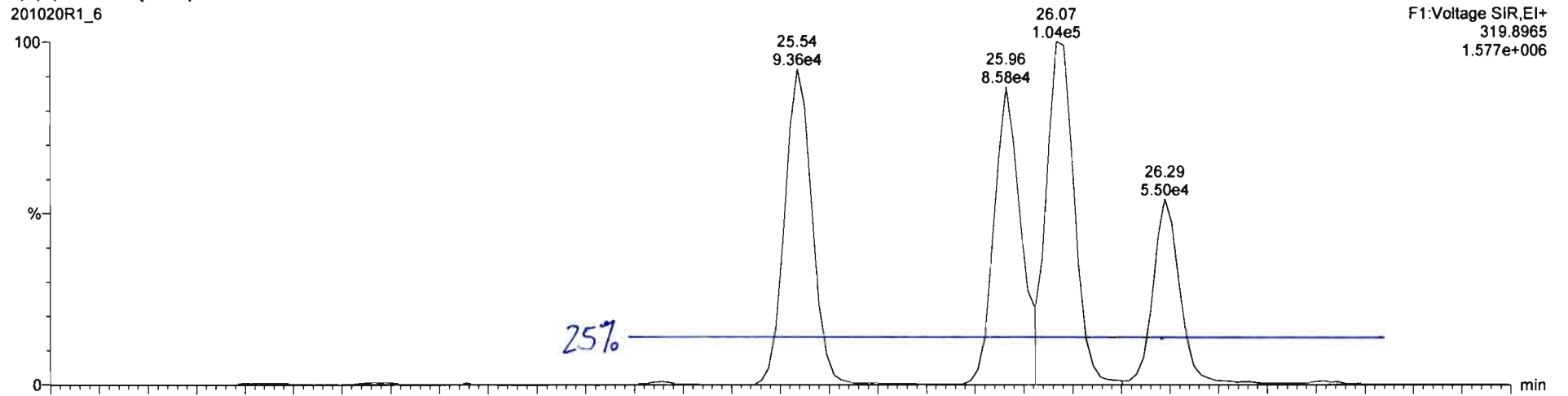
*GRS 10/20/20*  
*HN 10/22/2020*

Method: U:\VG12.PRO\MethDB\CPSM.mdb 20 Sep 2020 10:23:28  
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-10-10-20.cdb 12 Oct 2020 14:50:48

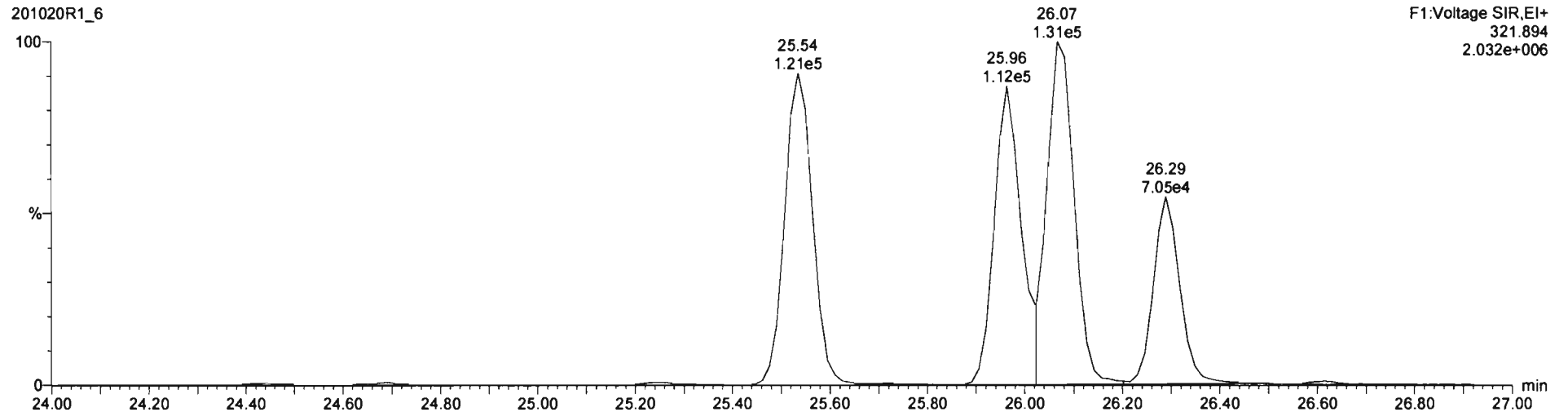
Name: 201020R1\_6, Date: 20-Oct-2020, Time: 13:01:38, ID: ST201020R1\_6 1613 CS3 20F1105, Description: 1613 CS3 20F1105

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

201020R1\_6



201020R1\_6

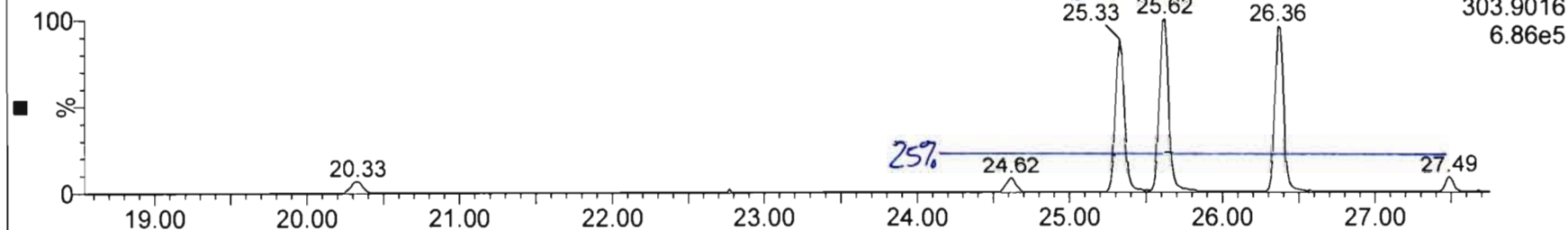


HN 10/22/2020

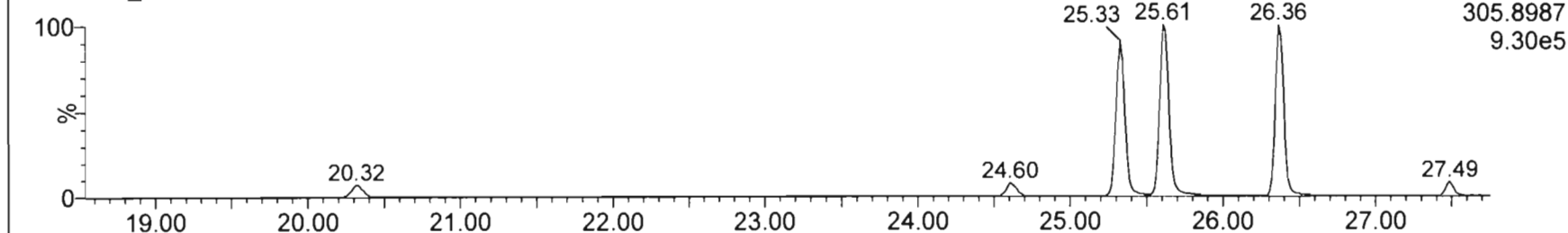
GRB 10/22/2020

### TCDF CPSM QC

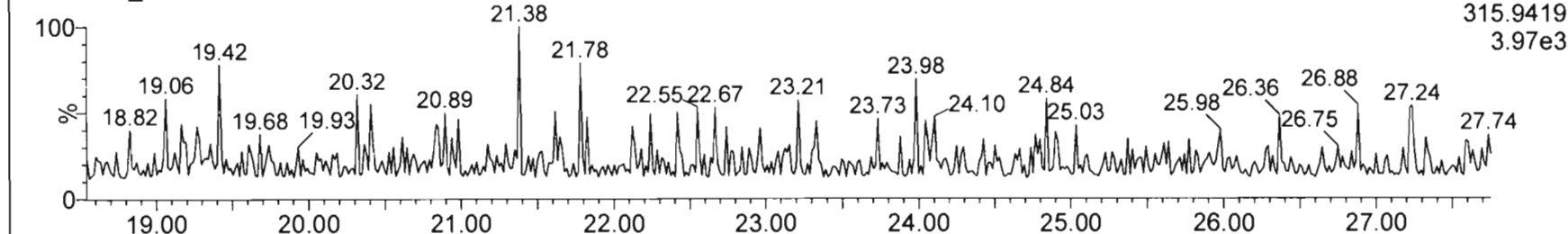
201020R1\_9



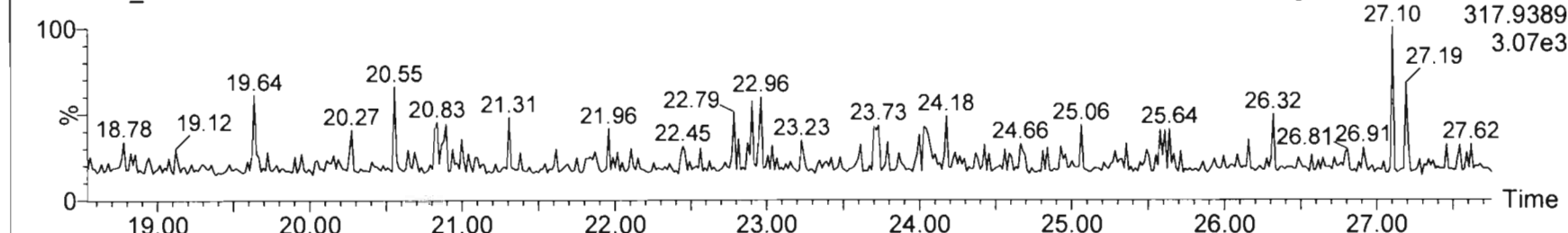
201020R1\_9



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

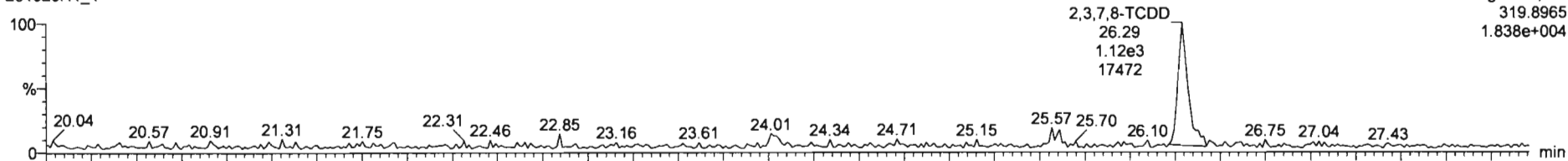
Method: U:\VG12.PROMethDB\1613rrt-10-20-20.mdb 20 Oct 2020 10:47:39

Calibration: 20 Oct 2020 15:17:40

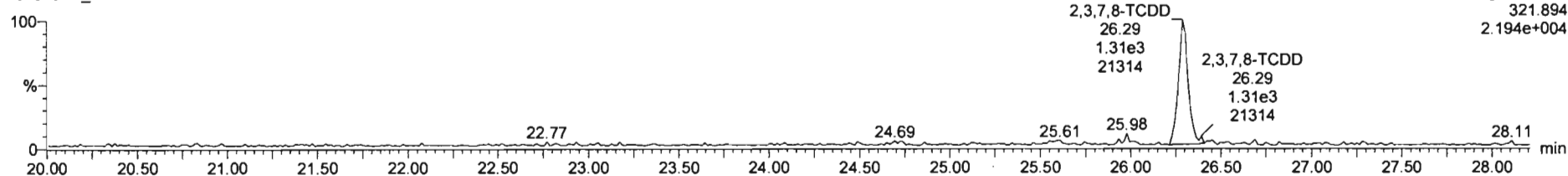
Name: 201020R1\_1, Date: 20-Oct-2020, Time: 09:17:10, ID: ST201020R1\_1 1613 CS0 20F1102, Description: 1613 CS0 20F1102

**2,3,7,8-TCDD**

201020R1\_1

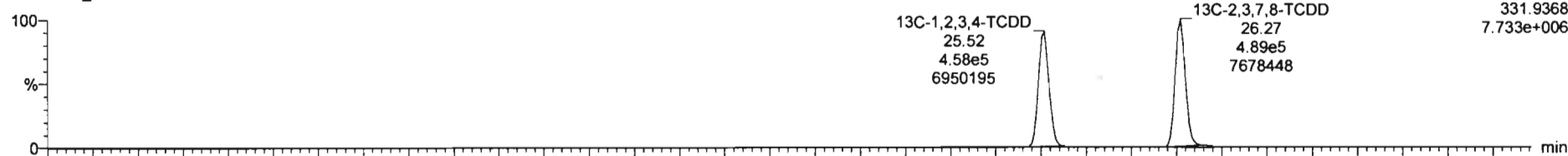


201020R1\_1

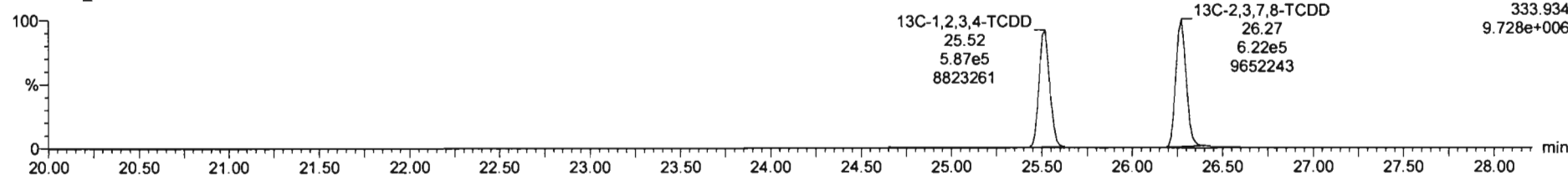


**13C-2,3,7,8-TCDD**

201020R1\_1

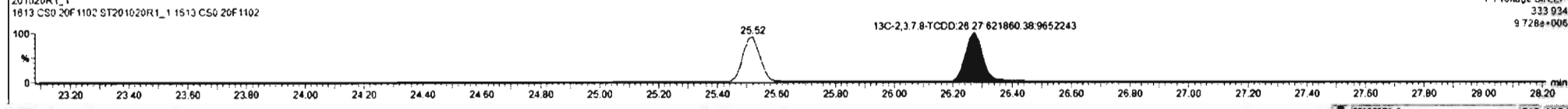
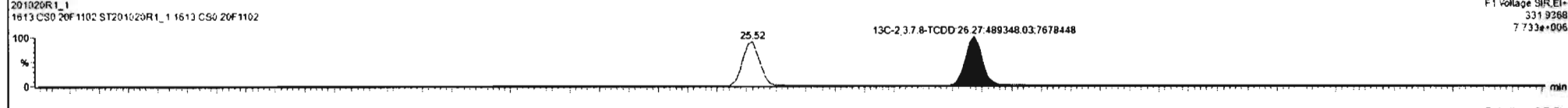
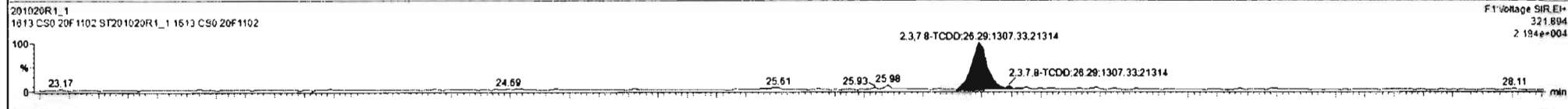
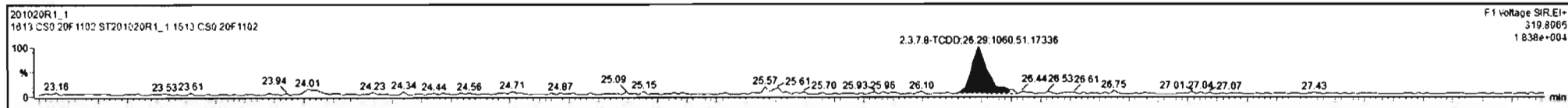


201020R1\_1





#	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	1.3928e4	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	1.161	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	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	1.276	NO	7.3628e5	9.3577e5	100.000	-5.5	6.74	0.833	0.0561



Dataset: Untitled

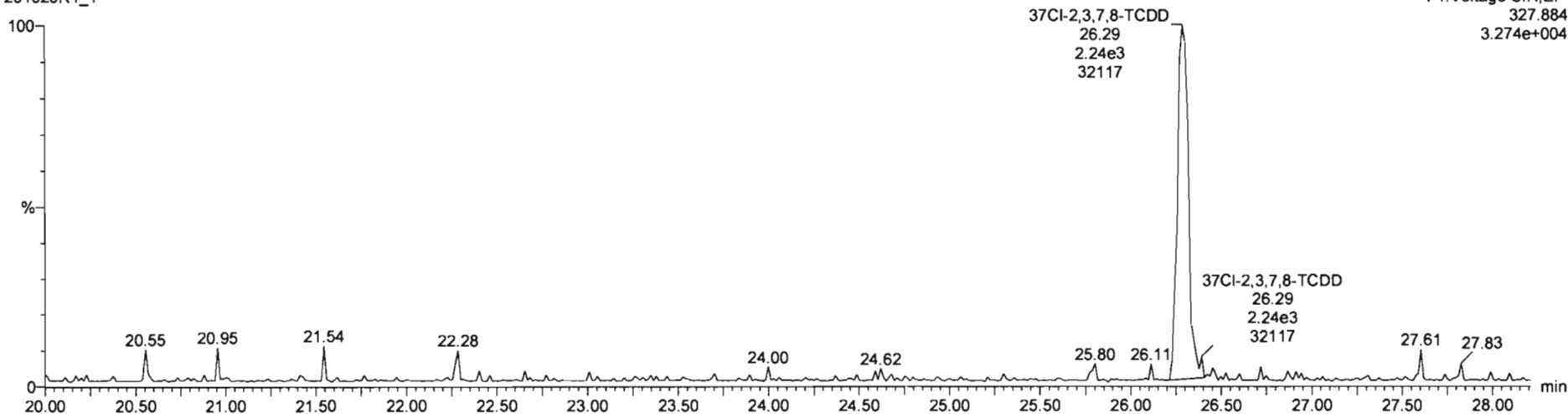
Last Altered: Tuesday, October 20, 2020 15:17:40 Pacific Daylight Time

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

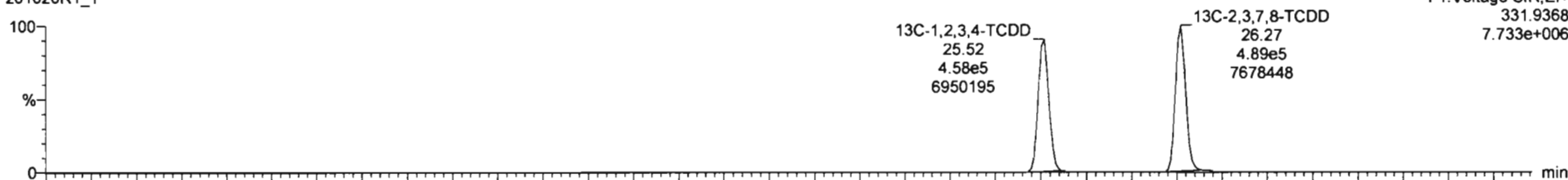
**37Cl-2,3,7,8-TCDD**

201020R1\_1

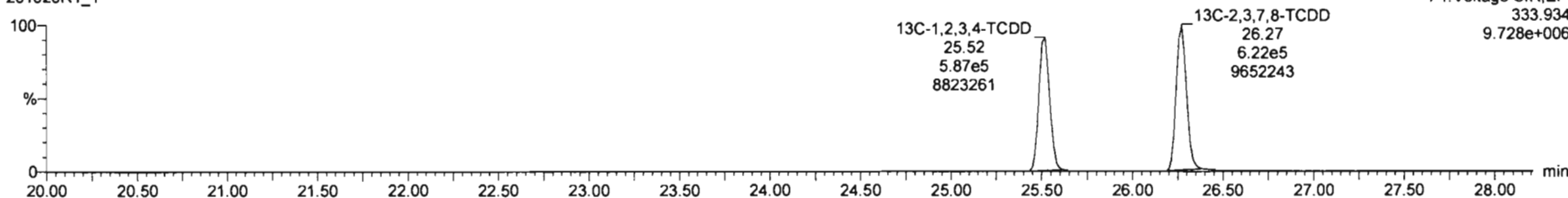


**13C-1,2,3,4-TCDD**

201020R1\_1



201020R1\_1



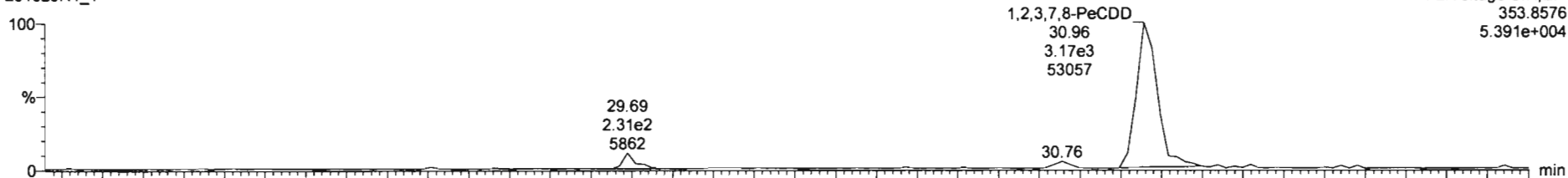
Dataset: Untitled

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

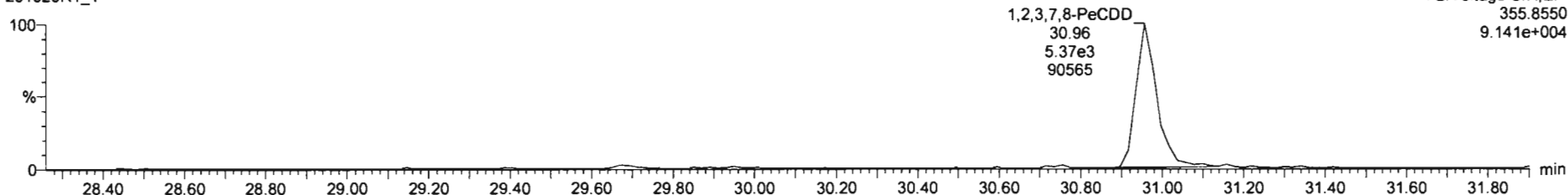
Name: 201020R1\_1, Date: 20-Oct-2020, Time: 09:17:10, ID: ST201020R1\_1 1613 CS0 20F1102, Description: 1613 CS0 20F1102

**1,2,3,7,8-PeCDD**

201020R1\_1

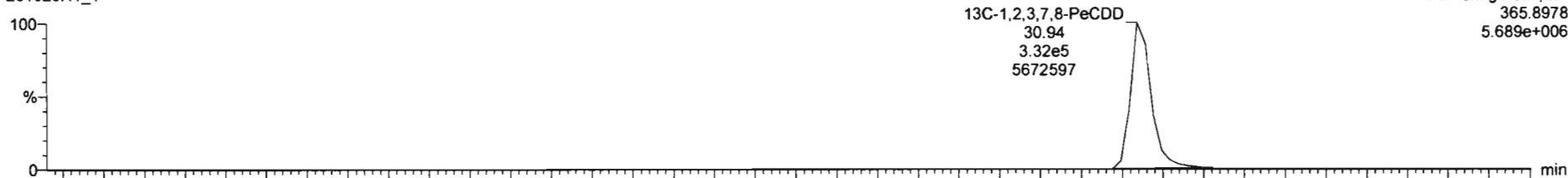


201020R1\_1

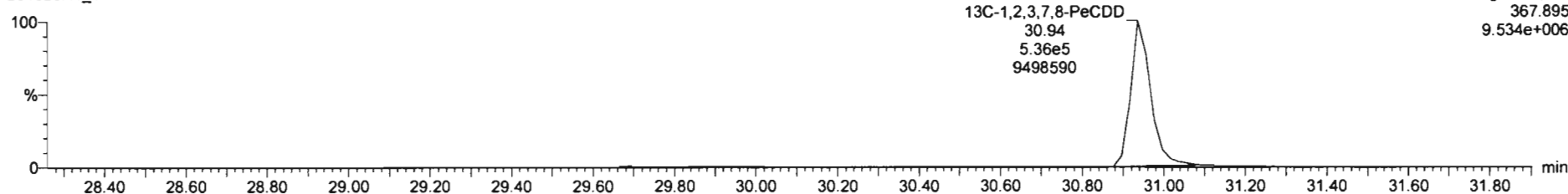


**13C-1,2,3,7,8-PeCDD**

201020R1\_1



201020R1\_1



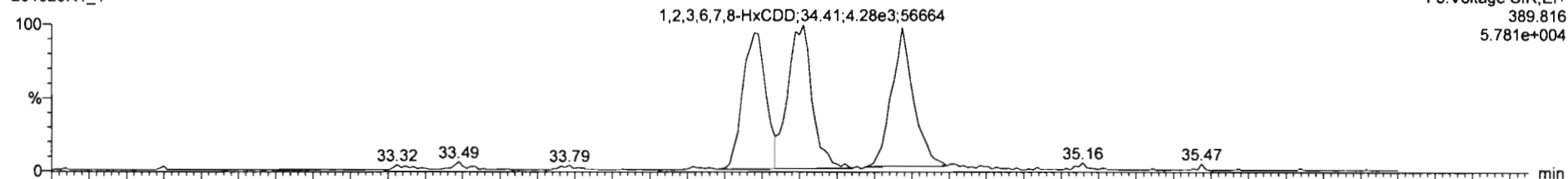
Dataset: Untitled

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

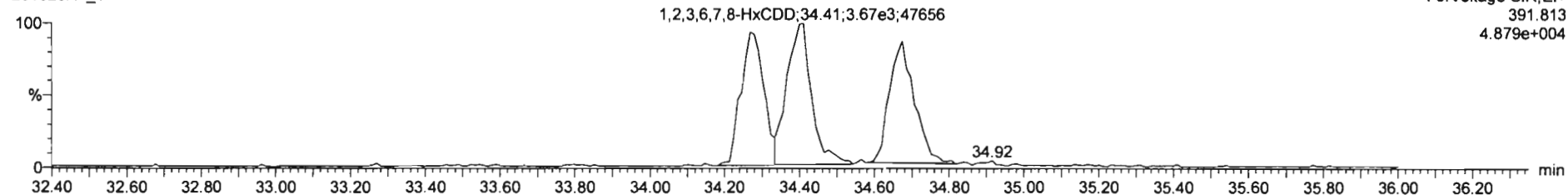
Name: 201020R1\_1, Date: 20-Oct-2020, Time: 09:17:10, ID: ST201020R1\_1 1613 CS0 20F1102, Description: 1613 CS0 20F1102

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

201020R1\_1

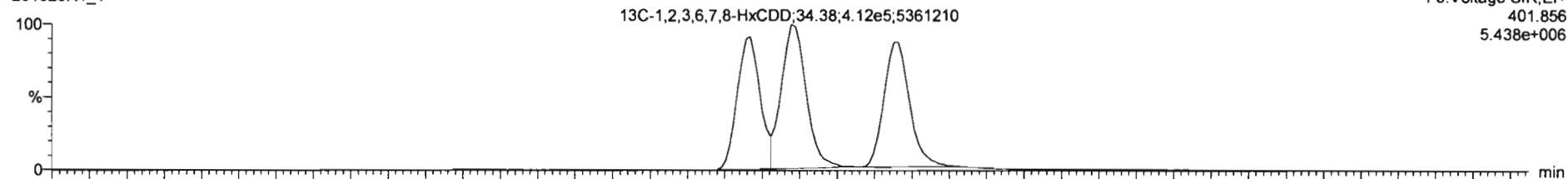


201020R1\_1

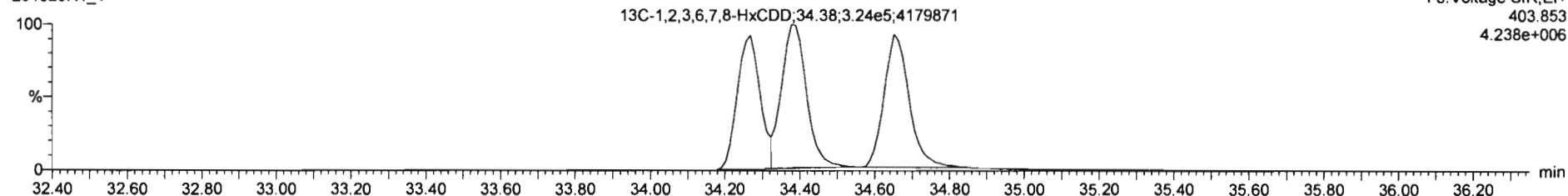


**13C-1,2,3,4,7,8-HxCDD**

201020R1\_1



201020R1\_1



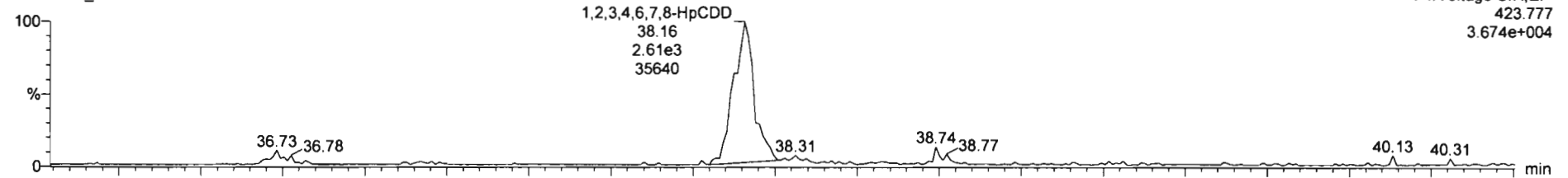
Dataset: Untitled

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

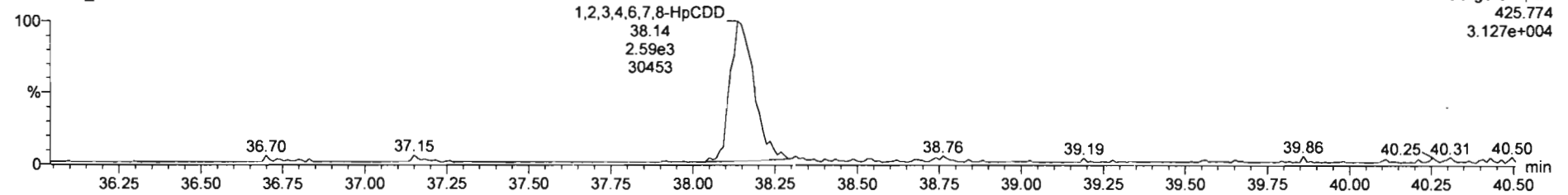
1,2,3,4,6,7,8-HpCDD

201020R1\_1



F4:Voltage SIR,El+  
423.777  
3.674e+004

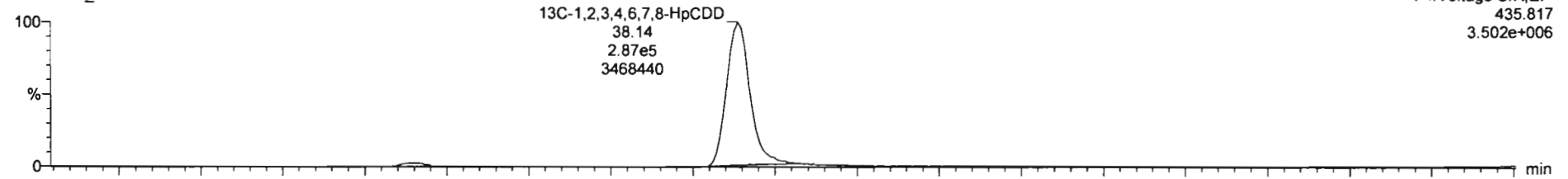
201020R1\_1



F4:Voltage SIR,El+  
425.774  
3.127e+004

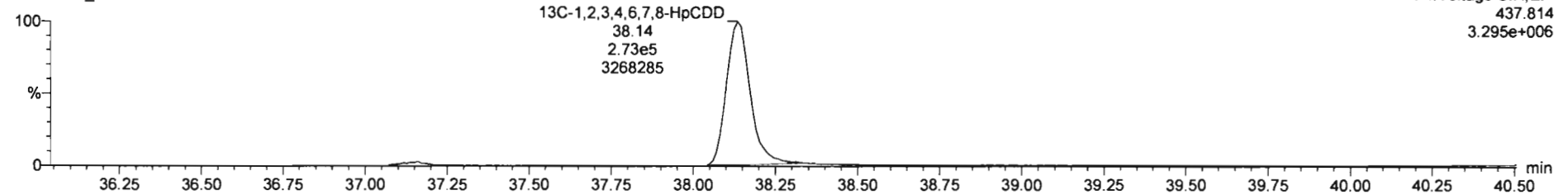
13C-1,2,3,4,6,7,8-HpCDD

201020R1\_1



F4:Voltage SIR,El+  
435.817  
3.502e+006

201020R1\_1



F4:Voltage SIR,El+  
437.814  
3.295e+006

Dataset: Untitled

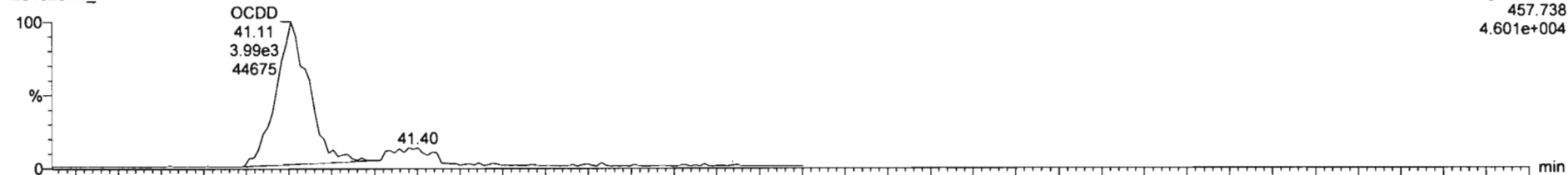
Last Altered: Tuesday, October 20, 2020 15:17:40 Pacific Daylight Time

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

Name: 201020R1\_1; Date: 20-Oct-2020, Time: 09:17:10, ID: ST201020R1\_1 1613 CS0 20F1102, Description: 1613 CS0 20F1102

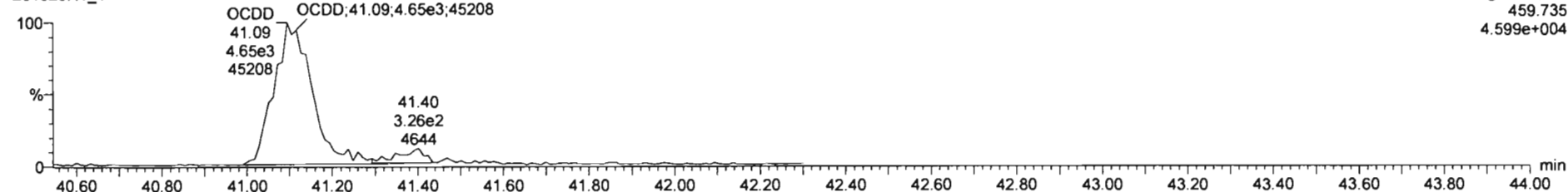
**OCDD**

201020R1\_1



F5:Voltage SIR,EI+  
457.738  
4.601e+004

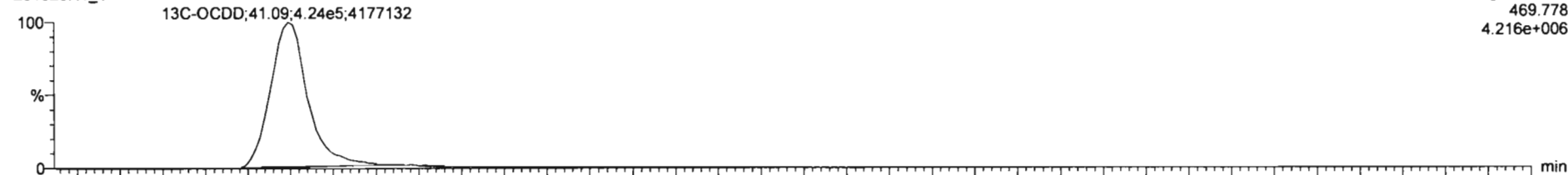
201020R1\_1



F5:Voltage SIR,EI+  
459.735  
4.599e+004

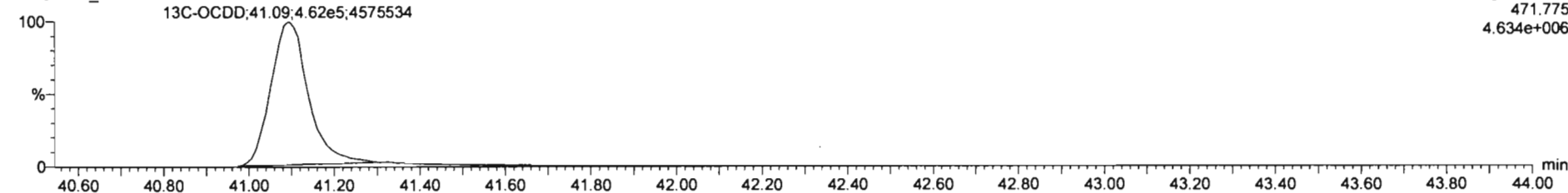
**13C-OCDD**

201020R1\_1



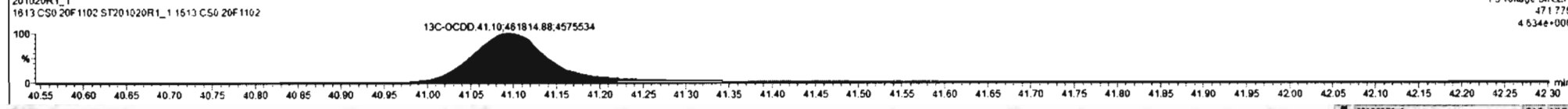
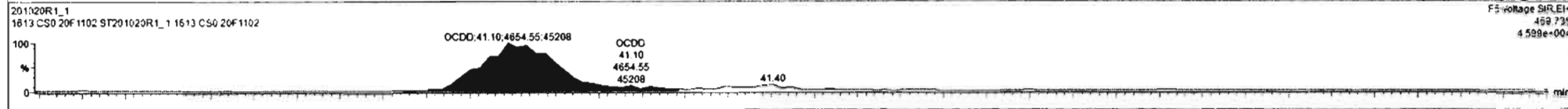
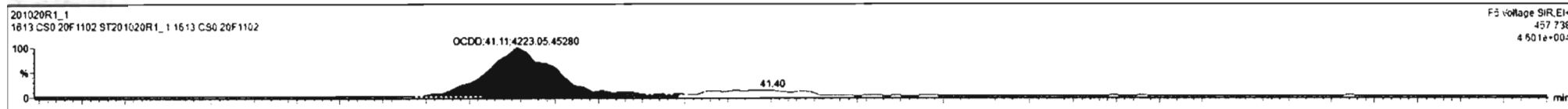
F5:Voltage SIR,EI+  
469.778  
4.216e+006

201020R1\_1



F5:Voltage SIR,EI+  
471.775  
4.634e+006

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



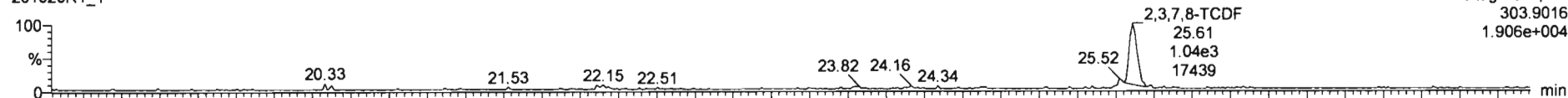
Dataset: Untitled

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

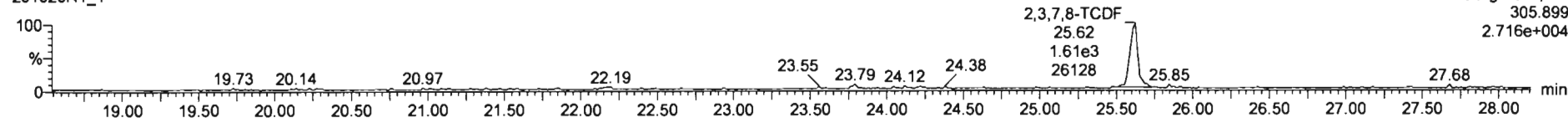
Name: 201020R1\_1, Date: 20-Oct-2020, Time: 09:17:10, ID: ST201020R1\_1 1613 CS0 20F1102, Description: 1613 CS0 20F1102

### 2,3,7,8-TCDF

201020R1\_1

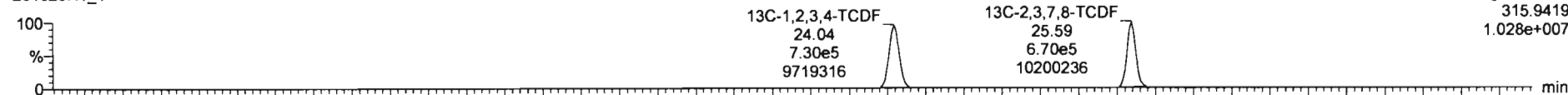


201020R1\_1

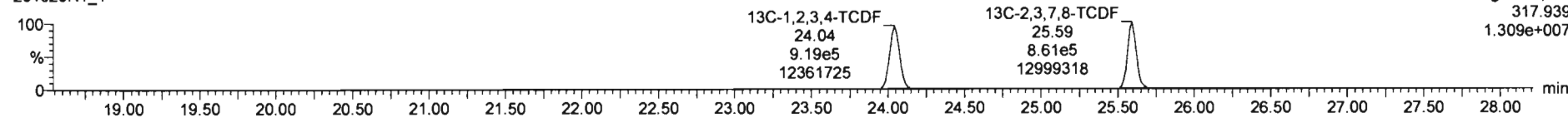


### 13C-2,3,7,8-TCDF

201020R1\_1

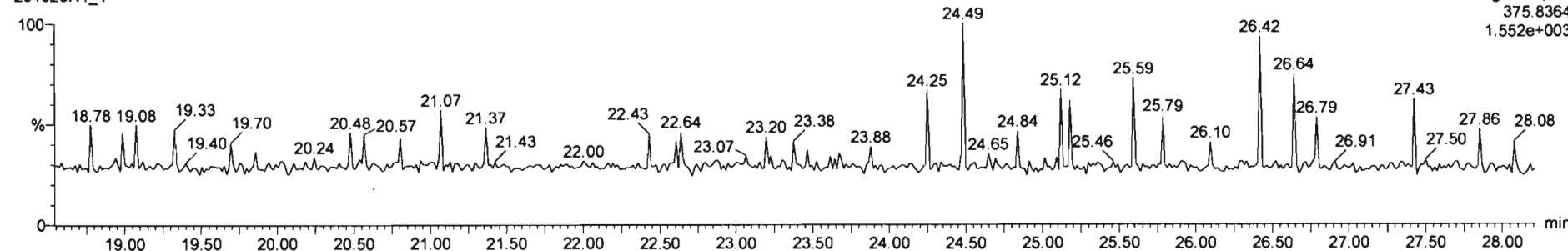


201020R1\_1

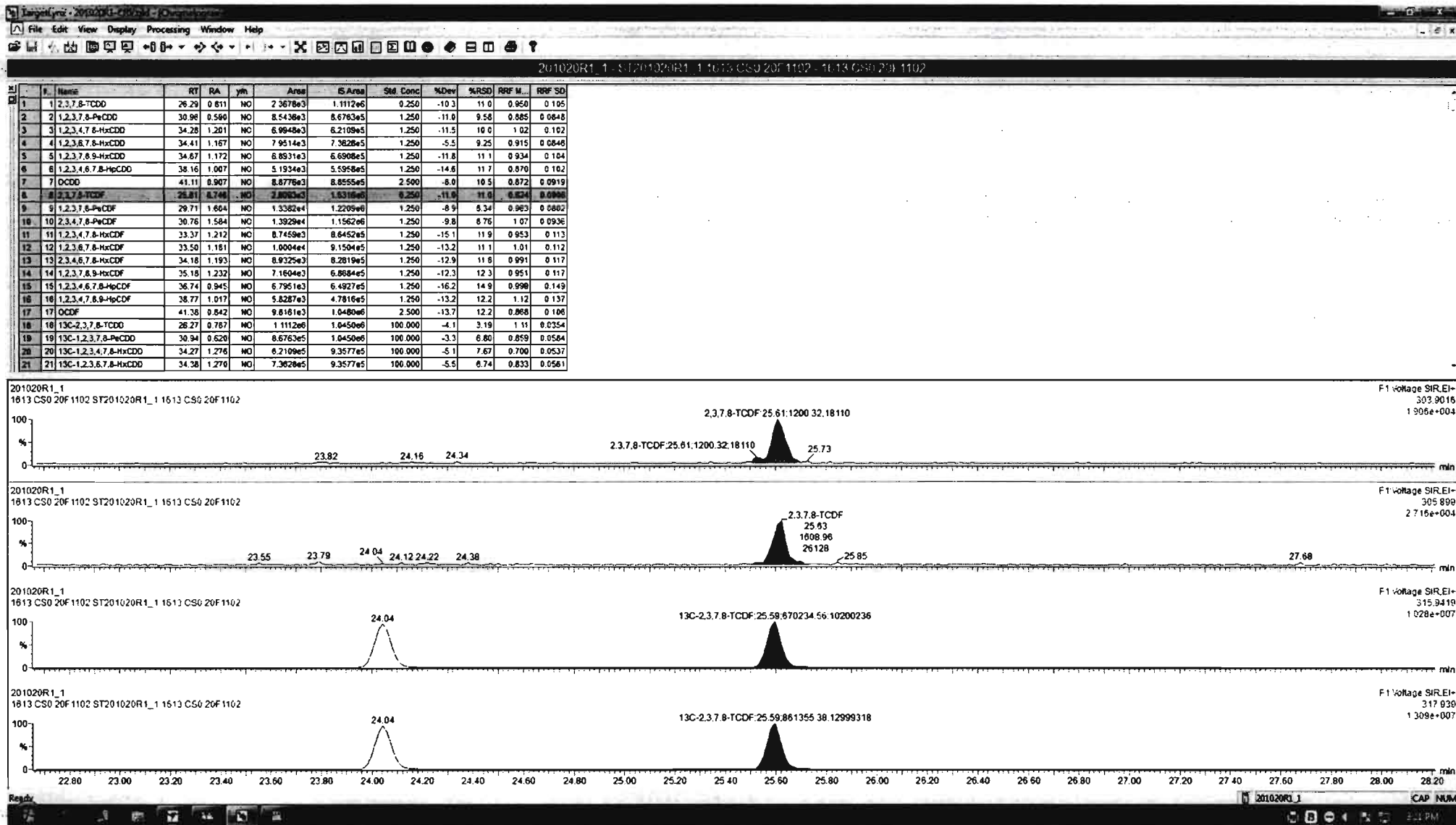


### DPE1

201020R1\_1







Dataset: Untitled

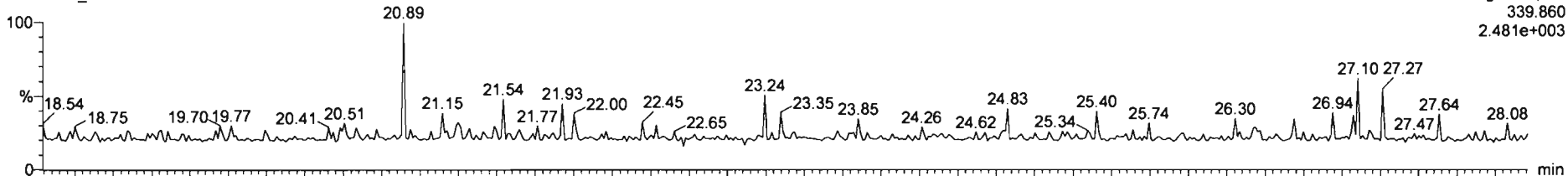
Last Altered: Tuesday, October 20, 2020 15:17:40 Pacific Daylight Time  
Printed: Tuesday, October 20, 2020 15:18:47 Pacific Daylight Time

Name: 201020R1\_1, Date: 20-Oct-2020, Time: 09:17:10, ID: ST201020R1\_1 1613 CS0 20F1102, Description: 1613 CS0 20F1102

1st Func. Penta-Furans

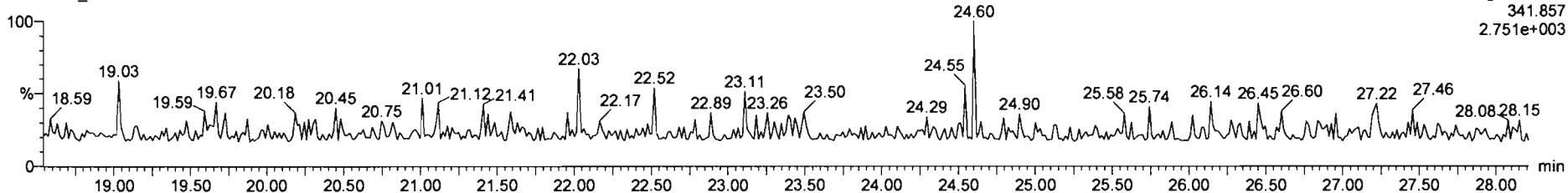
201020R1\_1

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



201020R1\_1

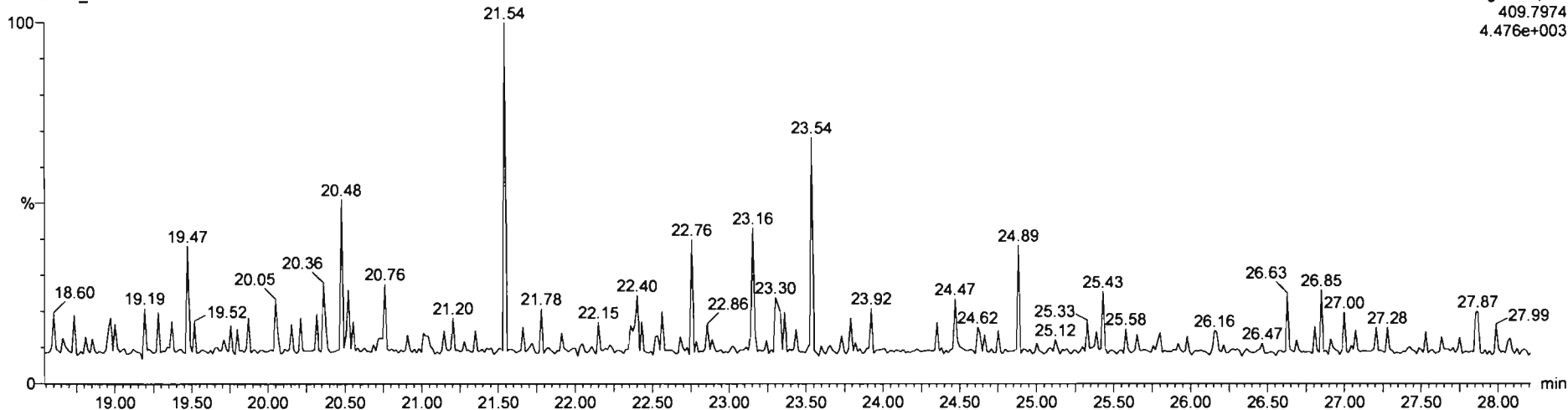
F1:Voltage SIR,EI+  
341.857  
2.751e+003



DPE6

201020R1\_1

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



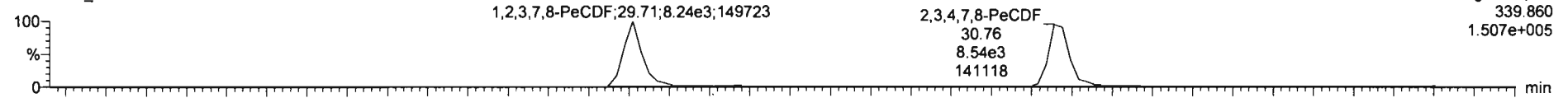
Dataset: Untitled

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

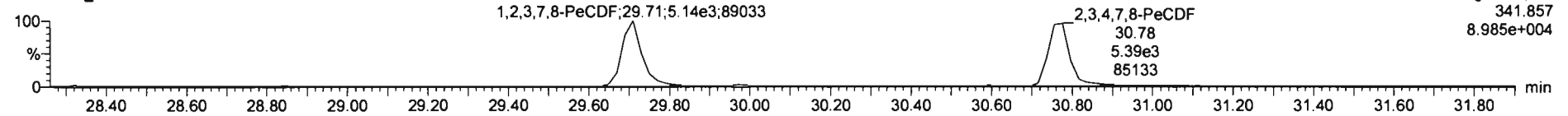
**1,2,3,7,8-PeCDF**

201020R1\_1



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

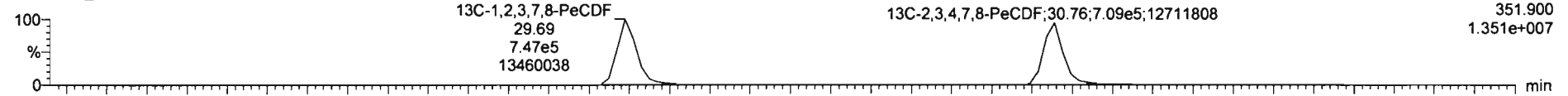
201020R1\_1



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

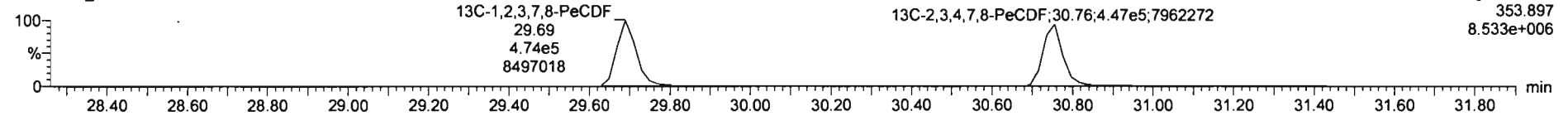
**13C-1,2,3,7,8-PeCDF**

201020R1\_1



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

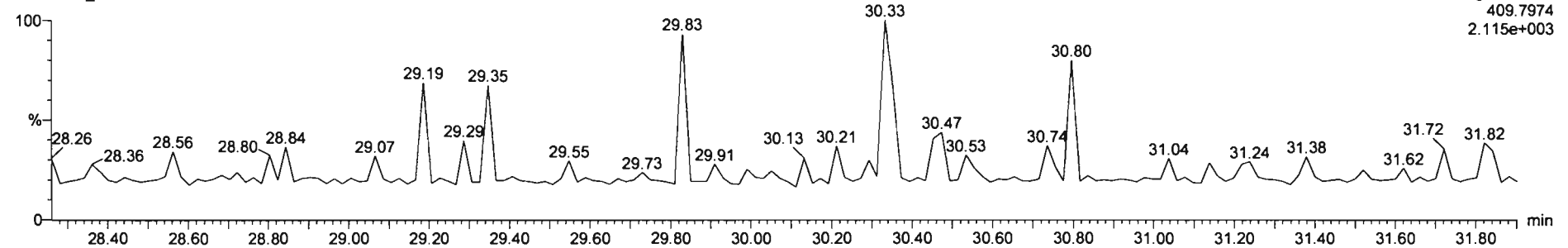
201020R1\_1



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

**DPE2**

201020R1\_1



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

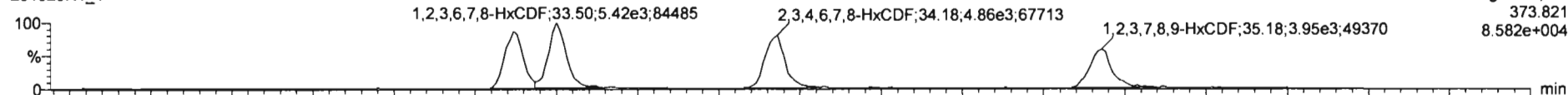
Dataset: Untitled

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

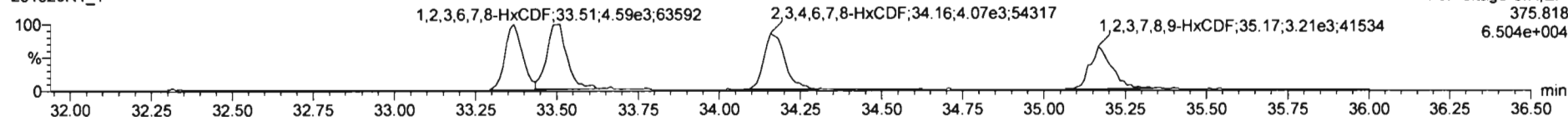
Name: 201020R1\_1, Date: 20-Oct-2020, Time: 09:17:10, ID: ST201020R1\_1 1613 CS0 20F1102, Description: 1613 CS0 20F1102

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

201020R1\_1

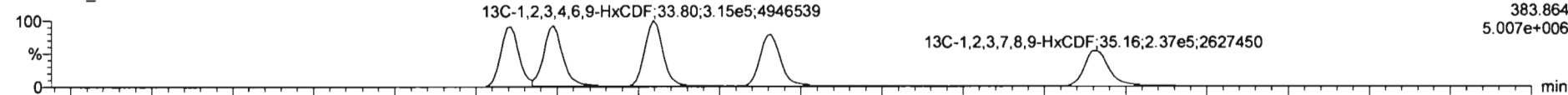


201020R1\_1

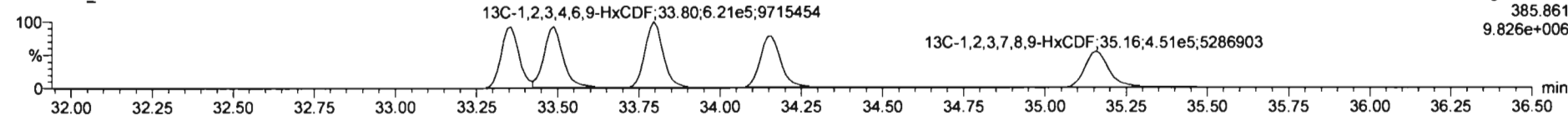


**13C-1,2,3,4,7,8-HxCDF**

201020R1\_1

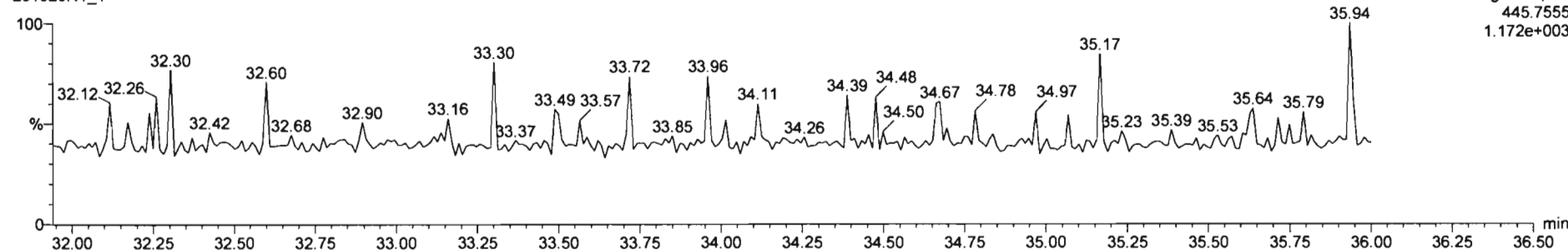


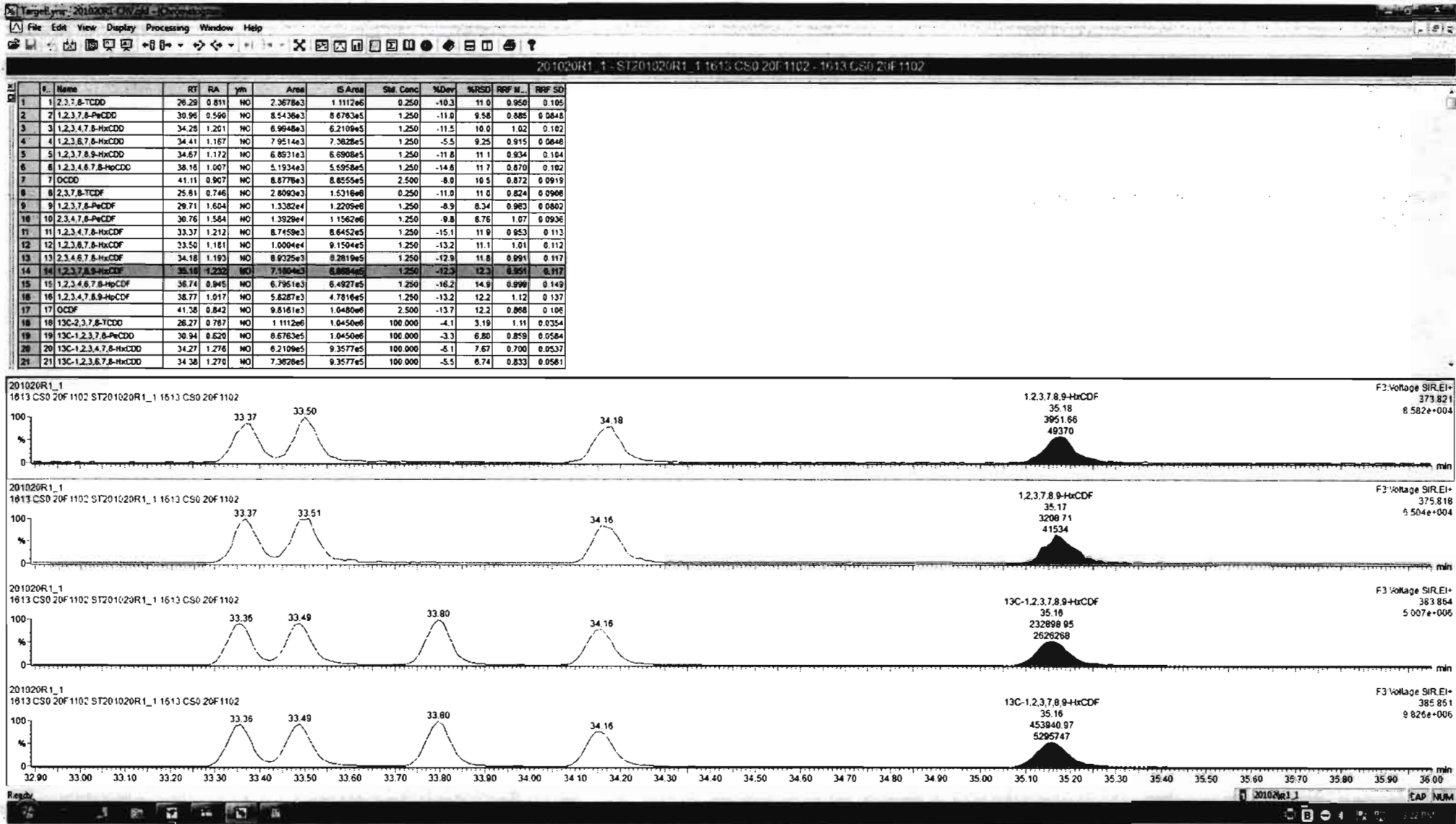
201020R1\_1



**DPE3**

201020R1\_1



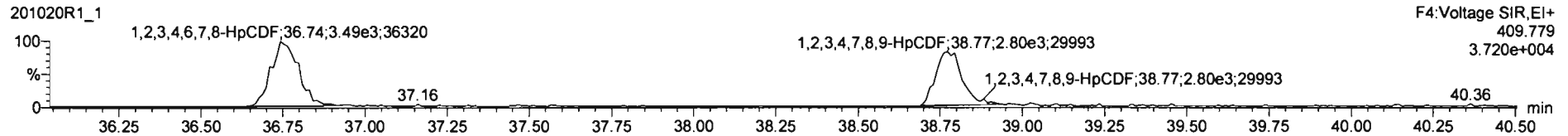
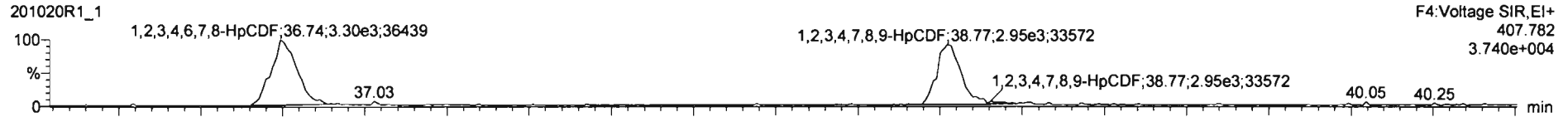


Dataset: Untitled

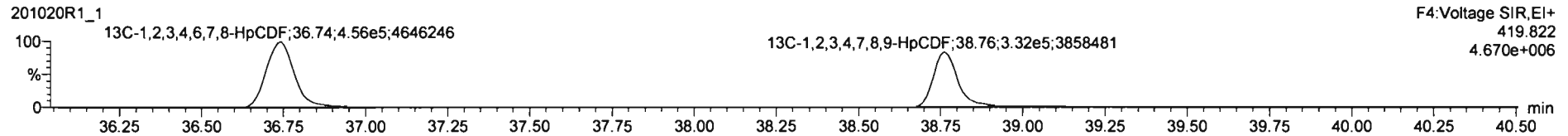
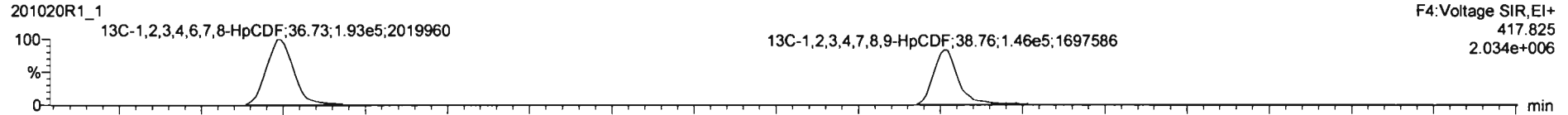
Last Altered: Tuesday, October 20, 2020 15:17:40 Pacific Daylight Time  
Printed: Tuesday, October 20, 2020 15:18:47 Pacific Daylight Time

Name: 201020R1\_1, Date: 20-Oct-2020, Time: 09:17:10, ID: ST201020R1\_1 1613 CS0 20F1102, Description: 1613 CS0 20F1102

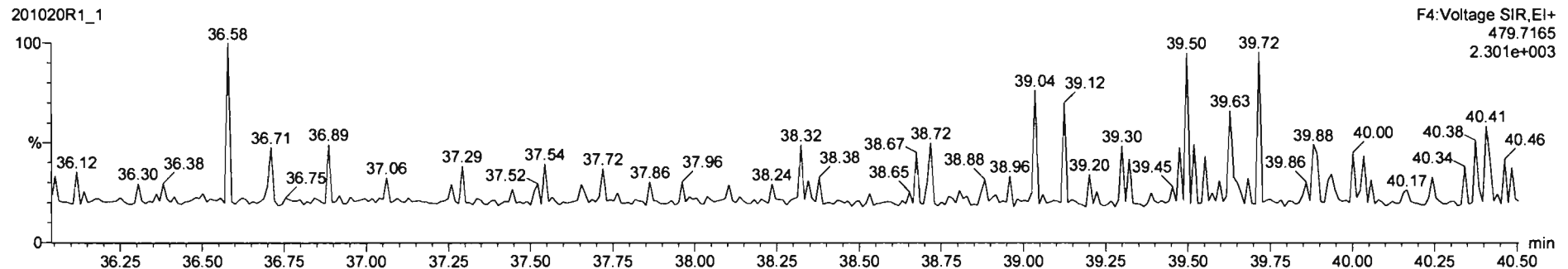
**1,2,3,4,6,7,8-HpCDF**

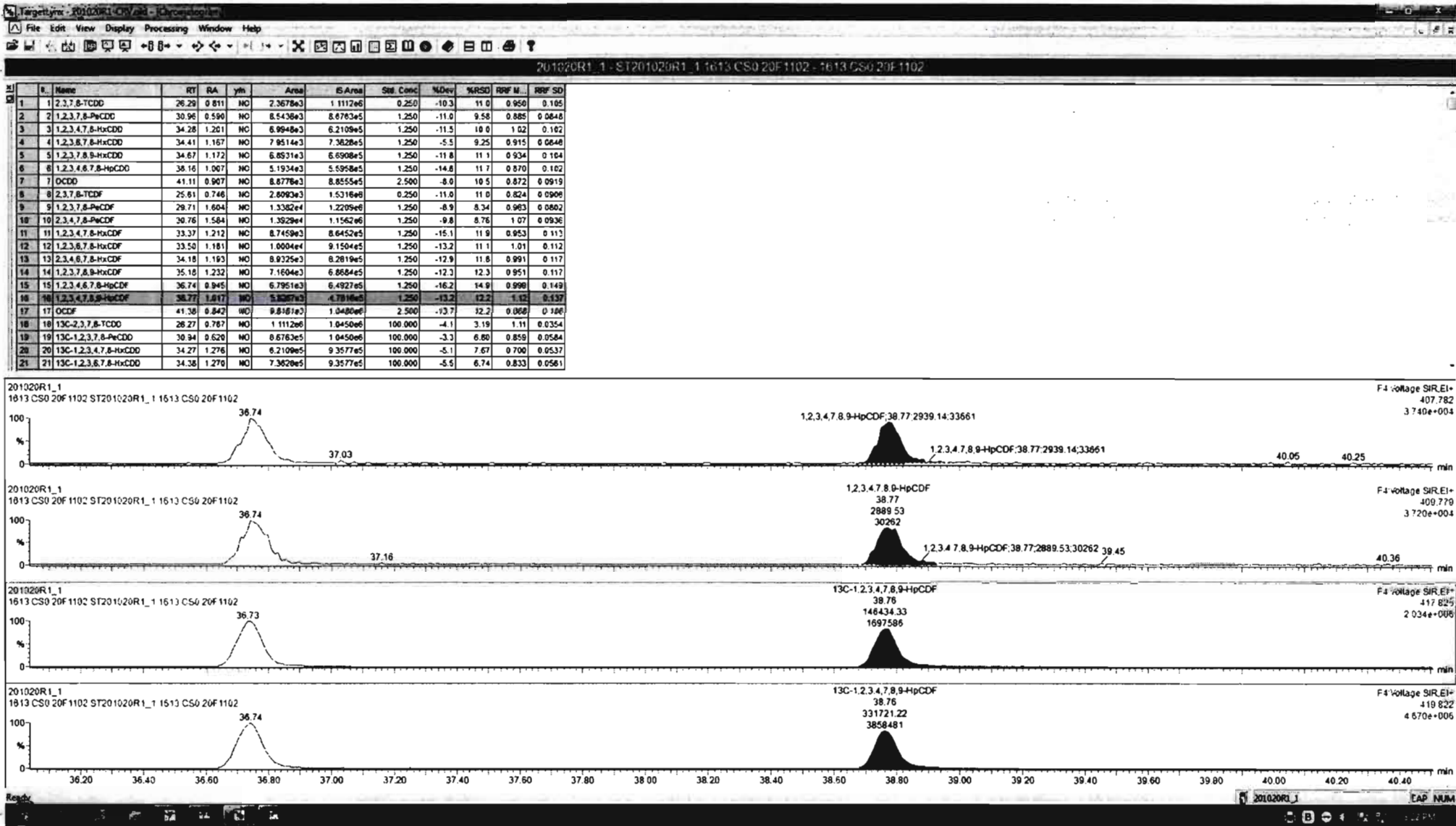


**13C-1,2,3,4,6,7,8-HpCDF**



**DPE4**





Dataset: Untitled

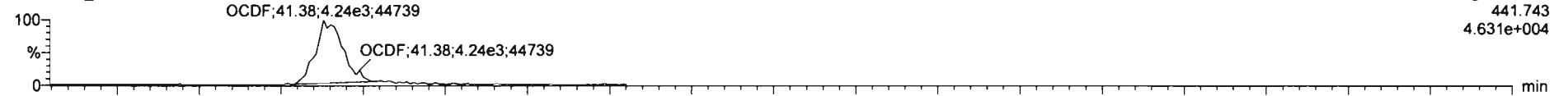
Last Altered: Tuesday, October 20, 2020 15:17:40 Pacific Daylight Time

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

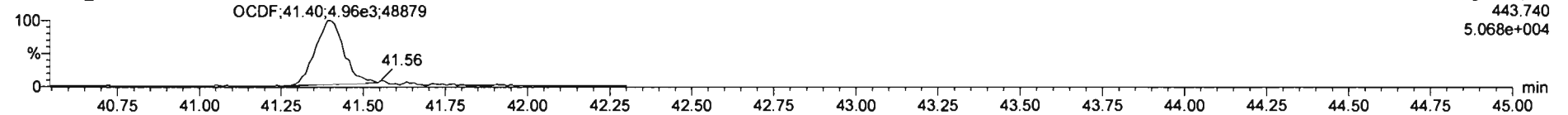
Name: 201020R1\_1, Date: 20-Oct-2020, Time: 09:17:10, ID: ST201020R1\_1 1613 CS0 20F1102, Description: 1613 CS0 20F1102

**OCDF**

201020R1\_1

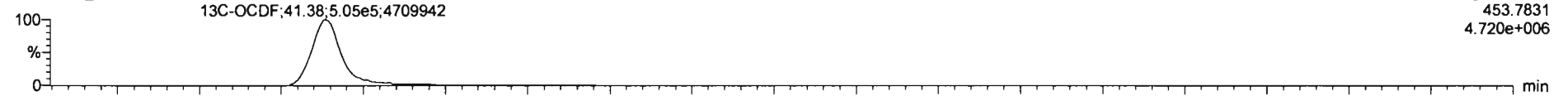


201020R1\_1

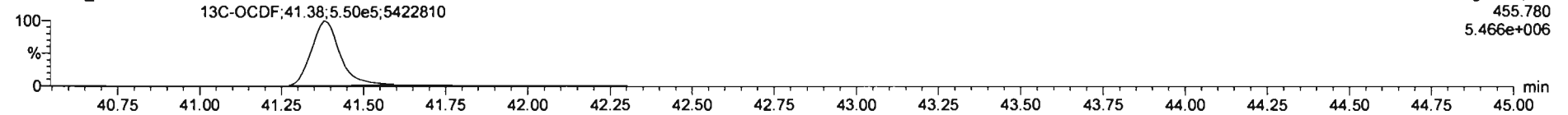


**13C-OCDF**

201020R1\_1

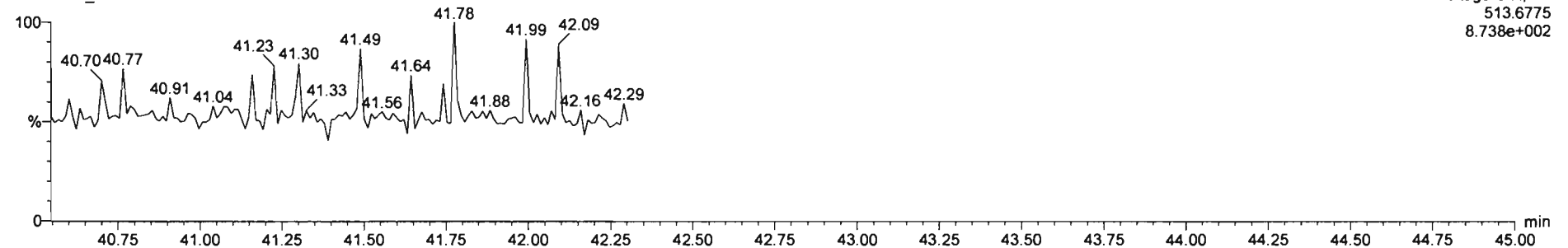


201020R1\_1



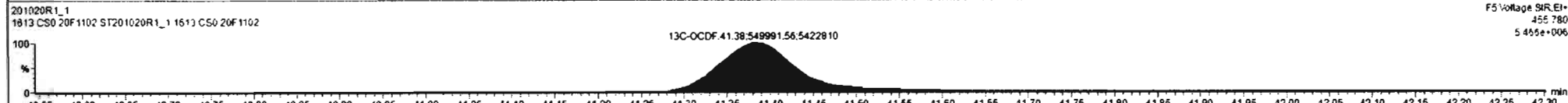
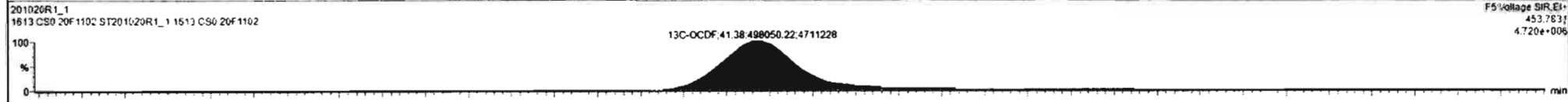
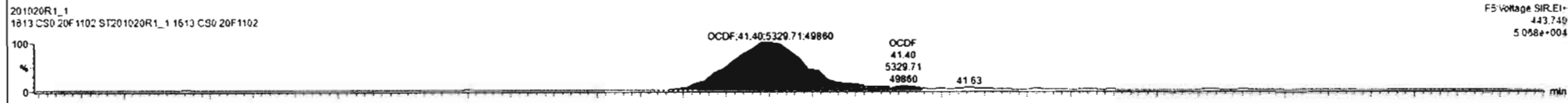
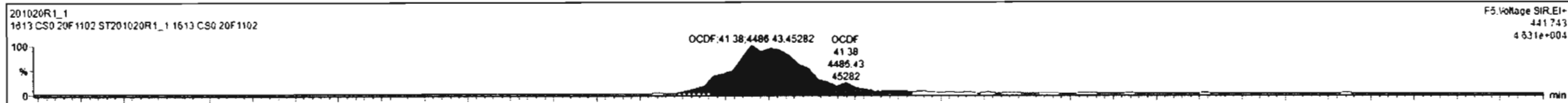
**DPE5**

201020R1\_1





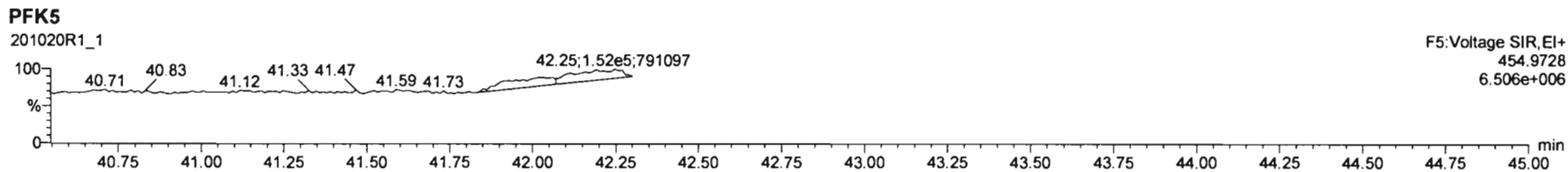
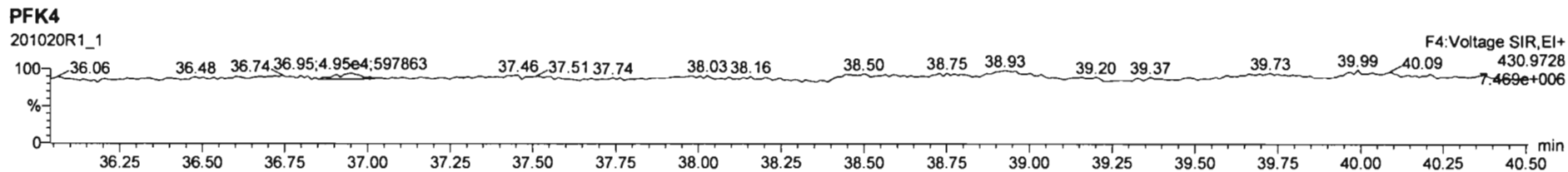
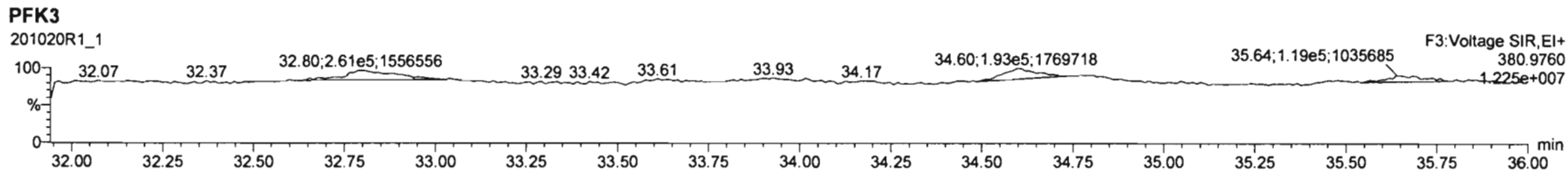
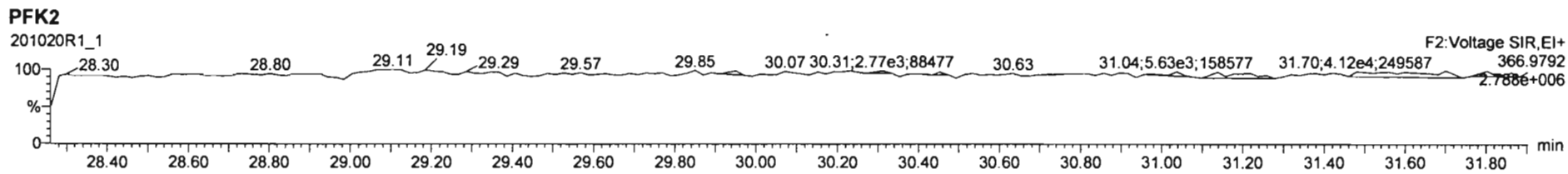
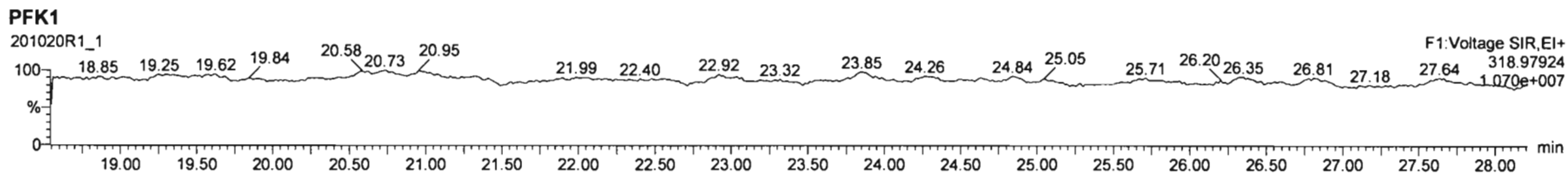
#	Name	RT	RA	Yth	Area	IS Area	Std Conc	%Dev	%RSD	RRF M	RRF SD
1	2,3,7,8-TCDD	26.29	0.811	NO	2.3678e3	1.1112e6	0.250	-10.3	11.0	0.950	0.105
2	1,2,3,7,8-PeCDD	30.96	0.590	NO	8.5436e3	8.6763e5	1.250	-11.0	9.58	0.885	0.0848
3	1,2,3,4,7,8-HxCDD	34.28	1.201	NO	6.9948e3	6.2109e5	1.250	-11.5	10.0	1.02	0.102
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	6.8531e3	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	-14.6	11.7	0.870	0.102
7	OCDF	41.11	0.907	NO	8.8778e3	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	1.604	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	1.3929e4	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	11.6	0.991	0.117
14	1,2,3,7,8,9-HxCDF	35.18	1.232	NO	7.1604e3	6.8684e5	1.250	-12.2	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	8.8161e3	1.9480e6	2.990	-13.7	12.2	0.888	0.106
18	13C-2,3,7,8-TCDD	26.27	0.767	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	7.3628e5	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



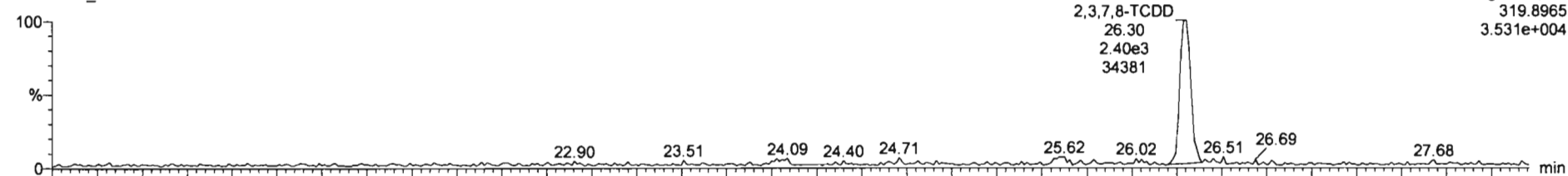
Dataset: Untitled

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

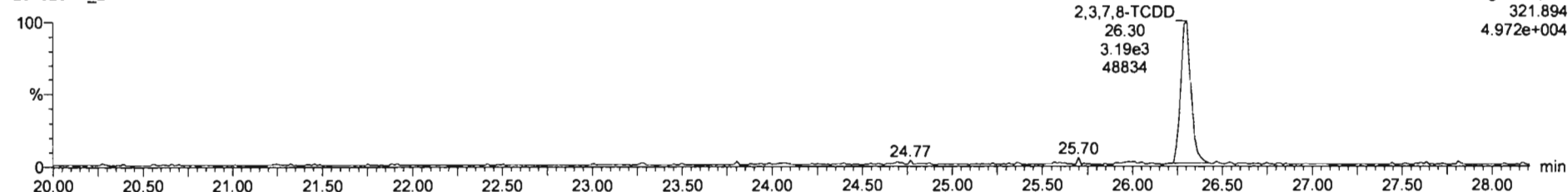
Name: 201020R1\_2, Date: 20-Oct-2020, Time: 10:04:05, ID: ST201020R1\_2 1613 CS1 20F1103, Description: 1613 CS1 20F1103

**2,3,7,8-TCDD**

201020R1\_2

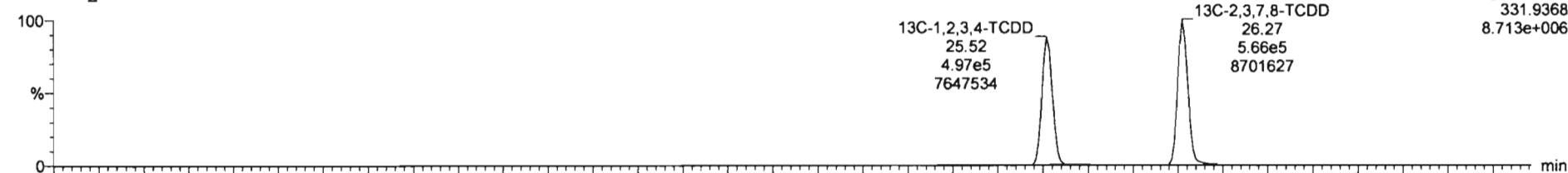


201020R1\_2

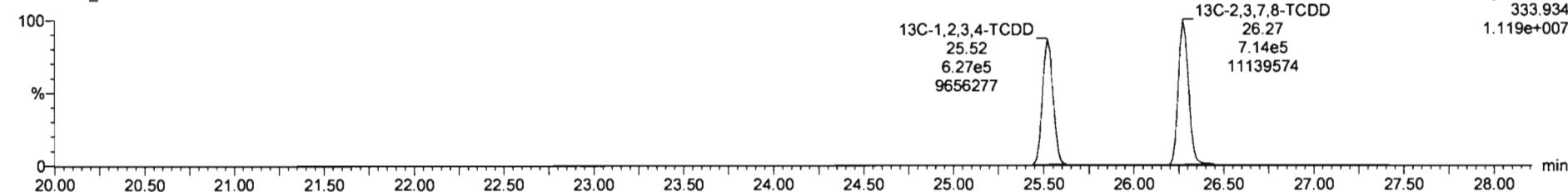


**13C-2,3,7,8-TCDD**

201020R1\_2



201020R1\_2



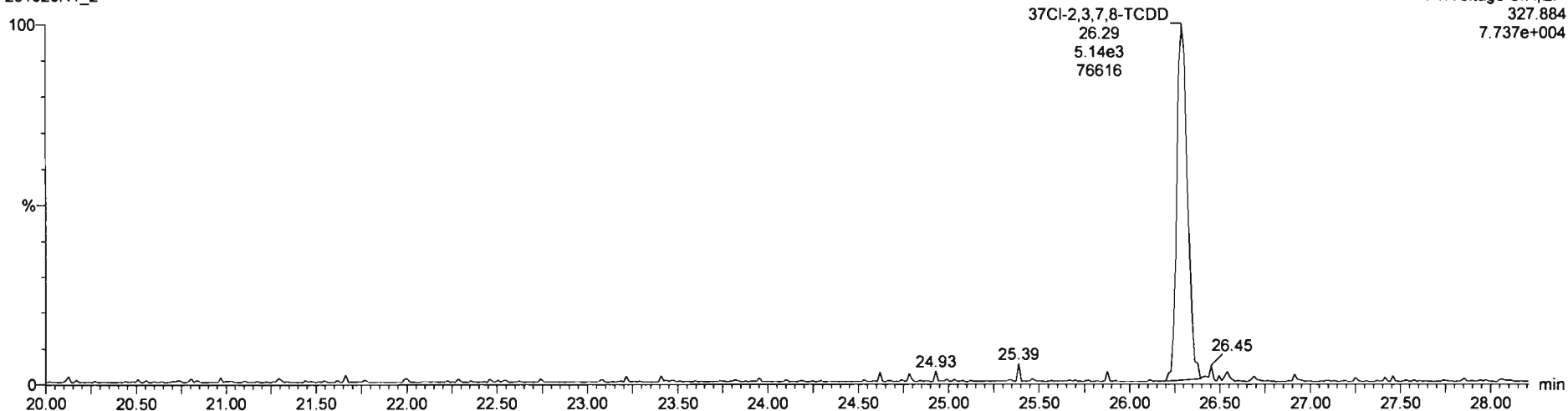
Dataset: Untitled

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\_2, Date: 20-Oct-2020, Time: 10:04:05, ID: ST201020R1\_2 1613 CS1 20F1103, Description: 1613 CS1 20F1103

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

201020R1\_2

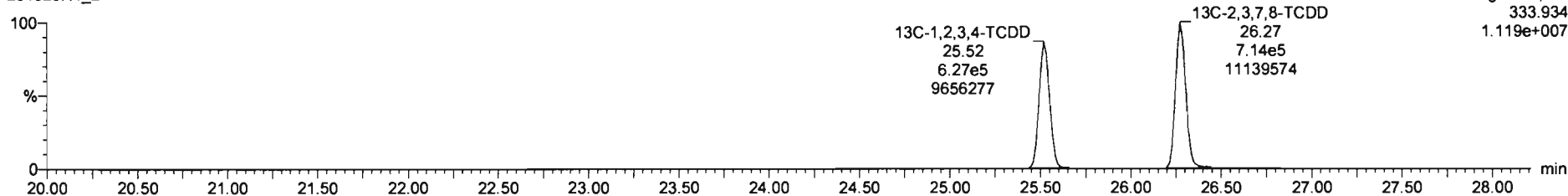


**13C-1,2,3,4-TCDD**

201020R1\_2



201020R1\_2



Dataset: Untitled

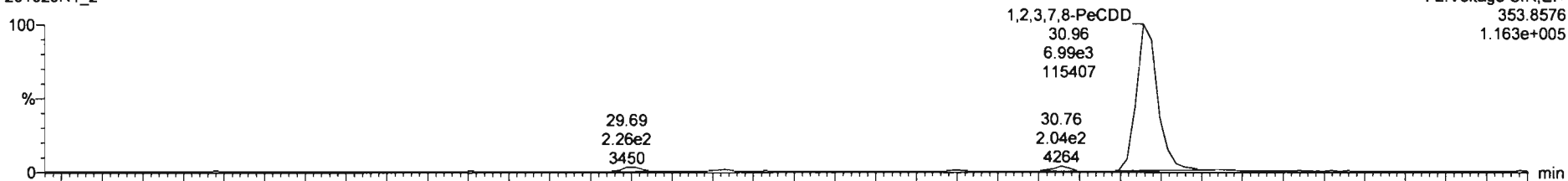
Last Altered: Tuesday, October 20, 2020 15:17:40 Pacific Daylight Time

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

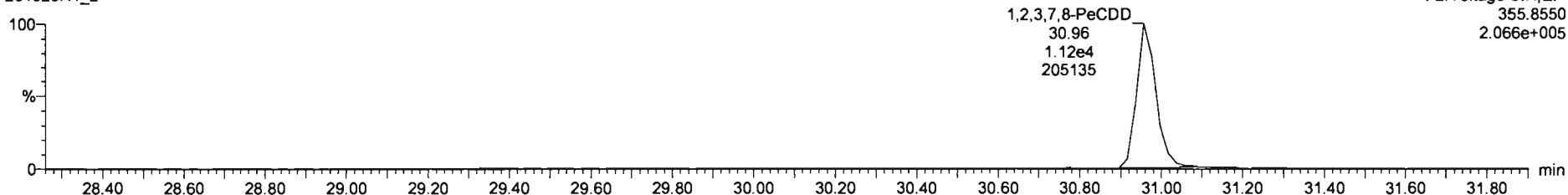
Name: 201020R1\_2, Date: 20-Oct-2020, Time: 10:04:05, ID: ST201020R1\_2 1613 CS1 20F1103, Description: 1613 CS1 20F1103

**1,2,3,7,8-PeCDD**

201020R1\_2

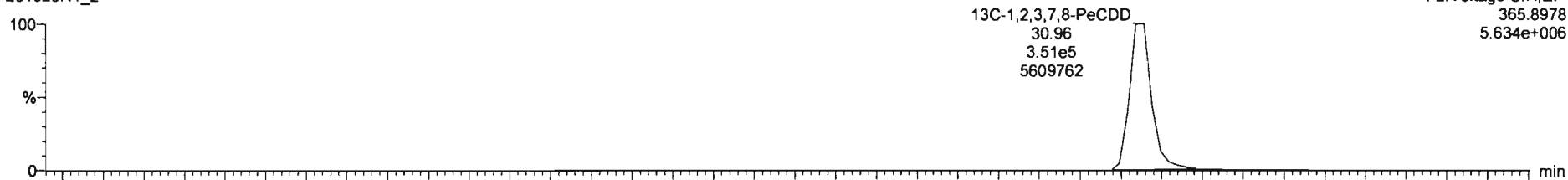


201020R1\_2

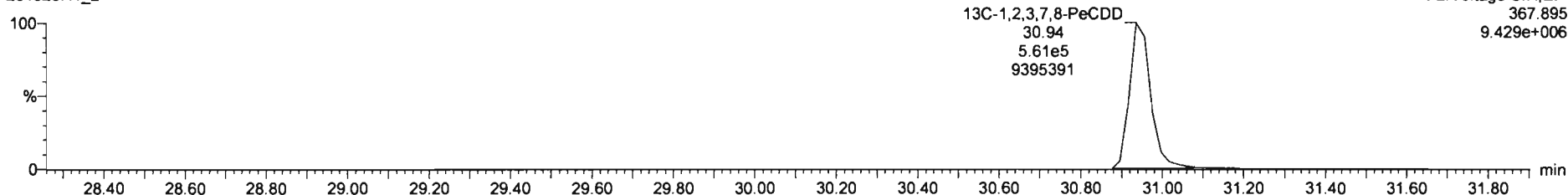


**13C-1,2,3,7,8-PeCDD**

201020R1\_2



201020R1\_2



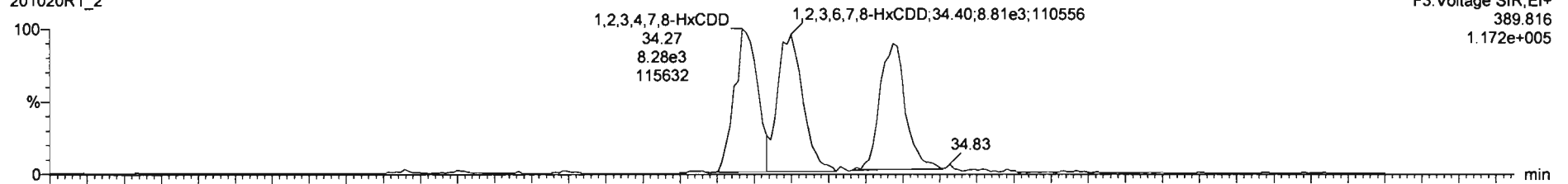
Dataset: Untitled

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\_2, Date: 20-Oct-2020, Time: 10:04:05, ID: ST201020R1\_2 1613 CS1 20F1103, Description: 1613 CS1 20F1103

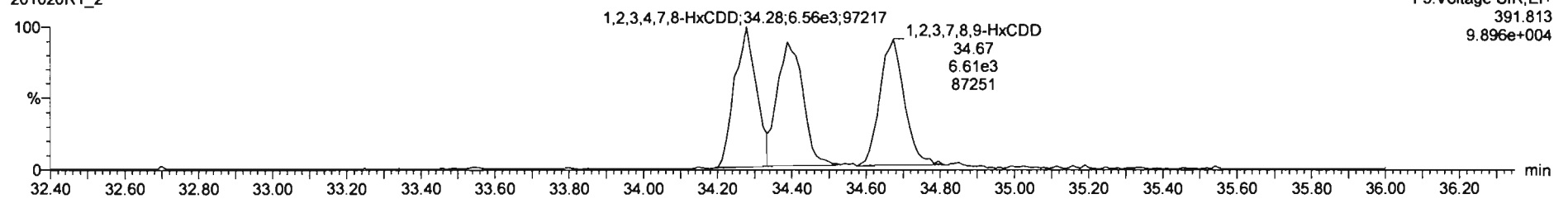
1,2,3,4,7,8-HxCDD

201020R1\_2



F3:Voltage SIR,EI+  
389.816  
1.172e+005

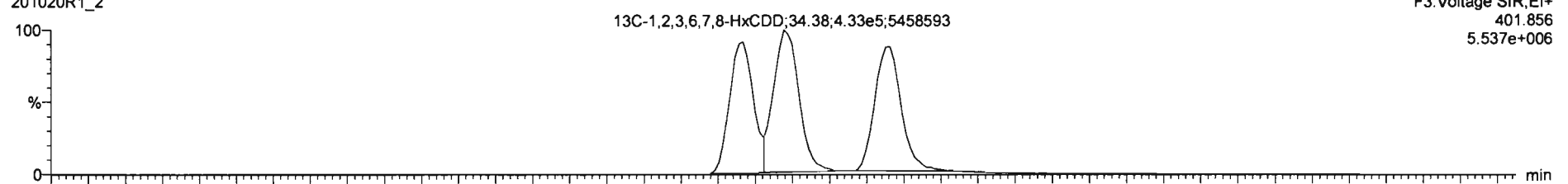
201020R1\_2



F3:Voltage SIR,EI+  
391.813  
9.896e+004

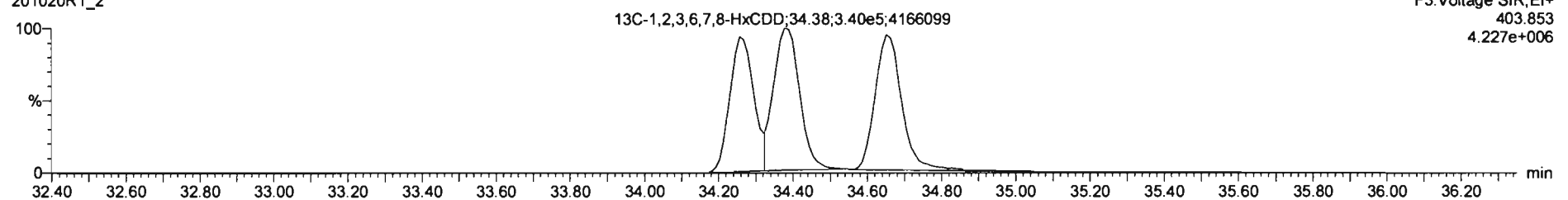
13C-1,2,3,4,7,8-HxCDD

201020R1\_2



F3:Voltage SIR,EI+  
401.856  
5.537e+006

201020R1\_2



F3:Voltage SIR,EI+  
403.853  
4.227e+006

Dataset: Untitled

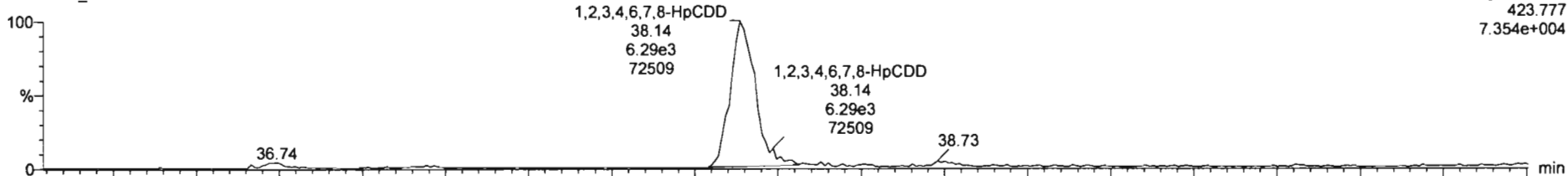
Last Altered: Tuesday, October 20, 2020 15:17:40 Pacific Daylight Time

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

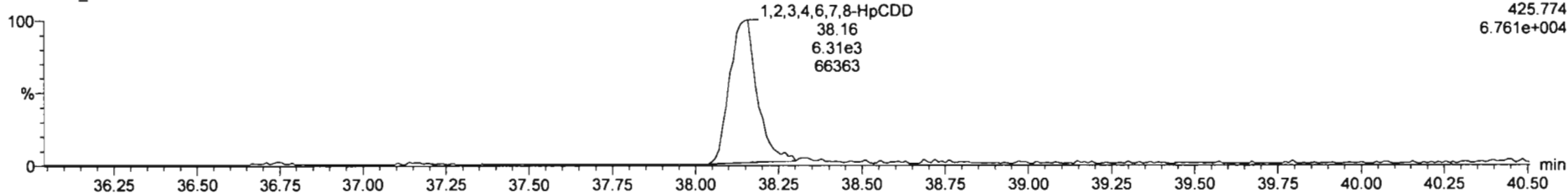
Name: 201020R1\_2, Date: 20-Oct-2020, Time: 10:04:05, ID: ST201020R1\_2 1613 CS1 20F1103, Description: 1613 CS1 20F1103

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

201020R1\_2

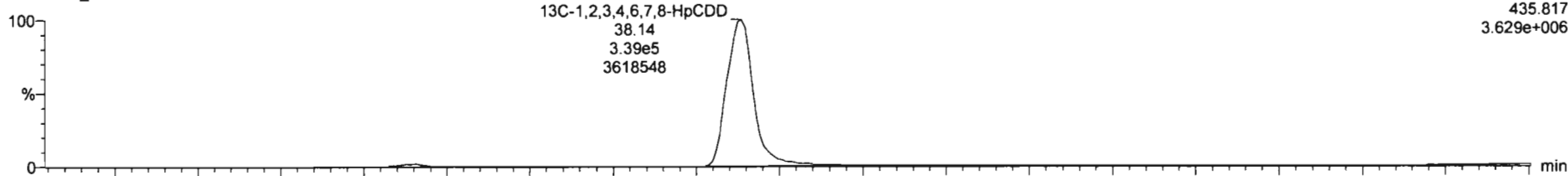


201020R1\_2

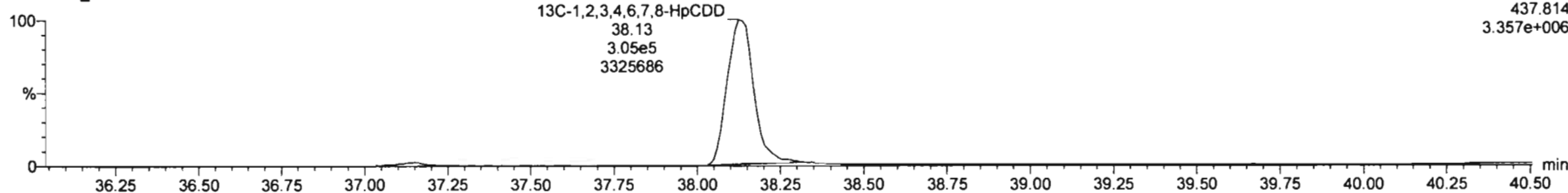


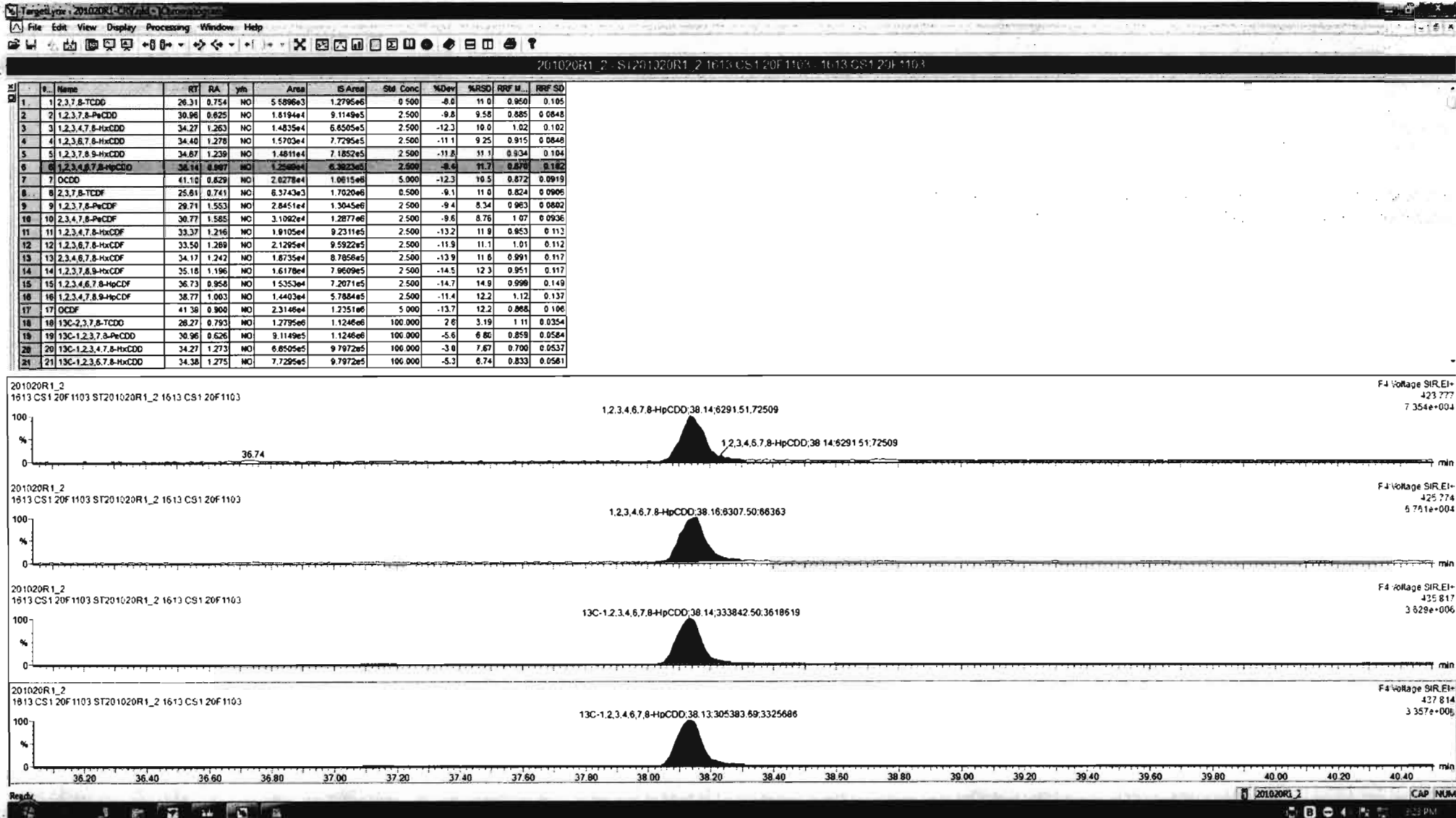
**13C-1,2,3,4,6,7,8-HpCDD**

201020R1\_2



201020R1\_2







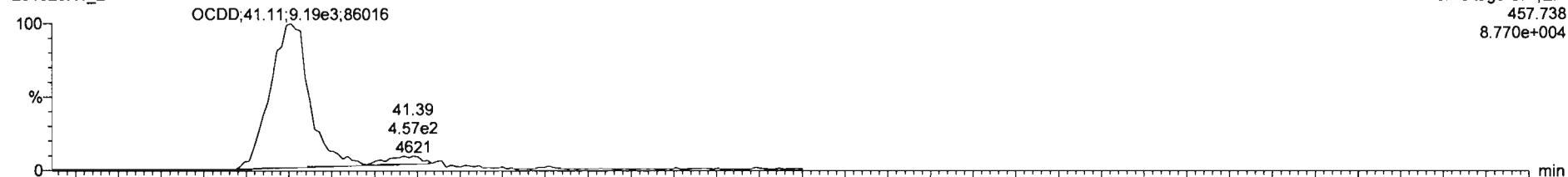
Dataset: Untitled

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

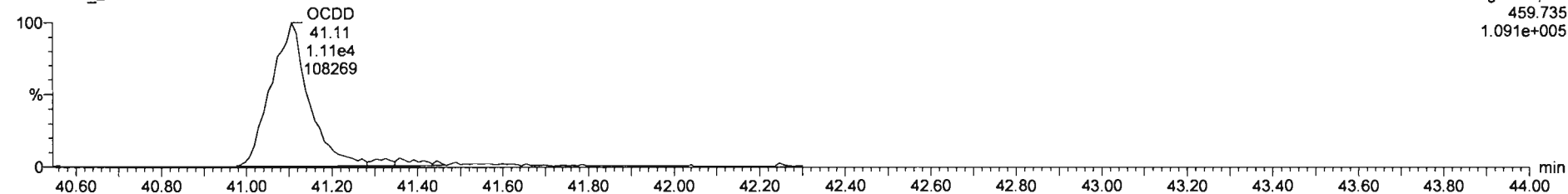
Name: 201020R1\_2, Date: 20-Oct-2020, Time: 10:04:05, ID: ST201020R1\_2 1613 CS1 20F1103, Description: 1613 CS1 20F1103

**OCDD**

201020R1\_2

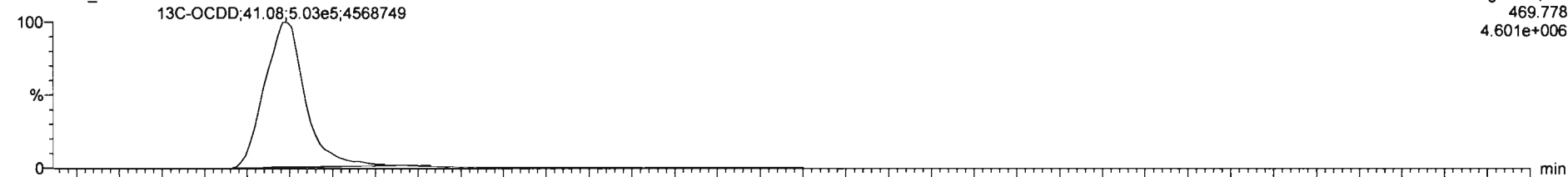


201020R1\_2

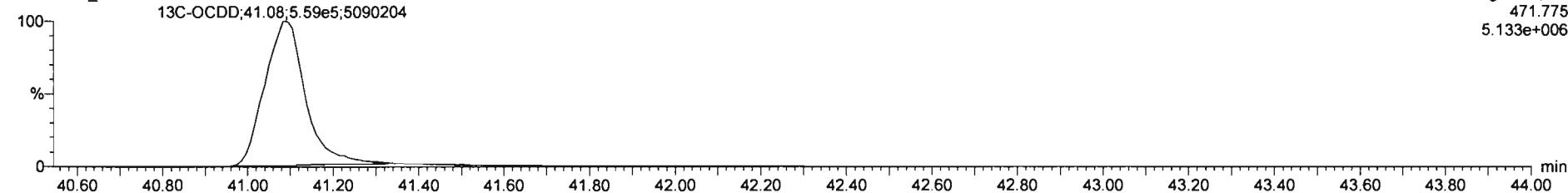


**13C-OCDD**

201020R1\_2



201020R1\_2



Dataset: Untitled

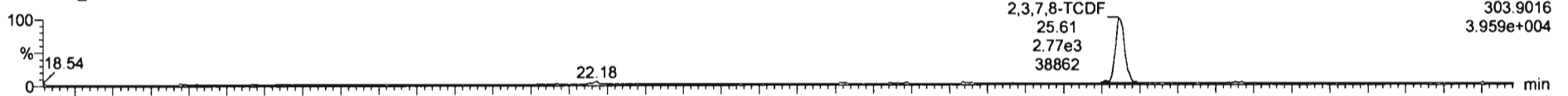
Last Altered: Tuesday, October 20, 2020 15:17:40 Pacific Daylight Time

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

Name: 201020R1\_2, Date: 20-Oct-2020, Time: 10:04:05, ID: ST201020R1\_2 1613 CS1 20F1103, Description: 1613 CS1 20F1103

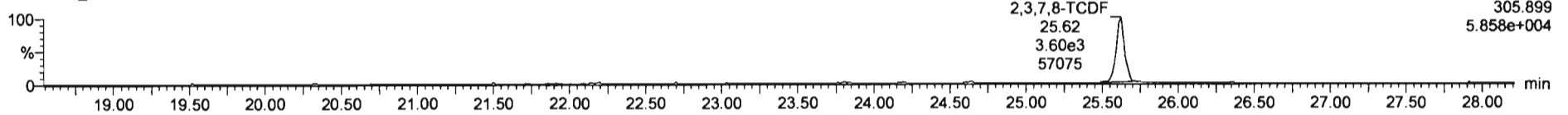
**2,3,7,8-TCDF**

201020R1\_2



F1: Voltage SIR, EI+  
303.9016  
3.959e+004

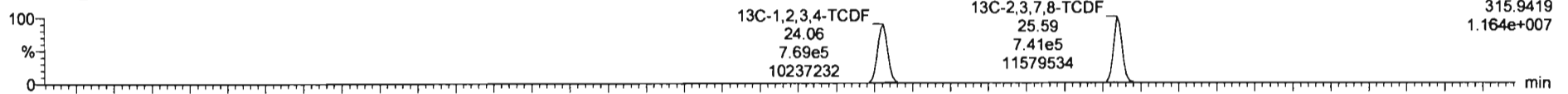
201020R1\_2



F1: Voltage SIR, EI+  
305.899  
5.858e+004

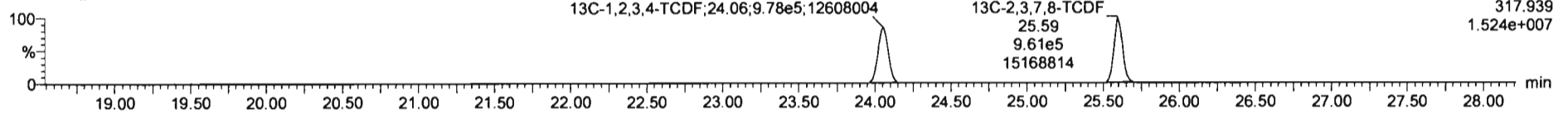
**13C-2,3,7,8-TCDF**

201020R1\_2



F1: Voltage SIR, EI+  
315.9419  
1.164e+007

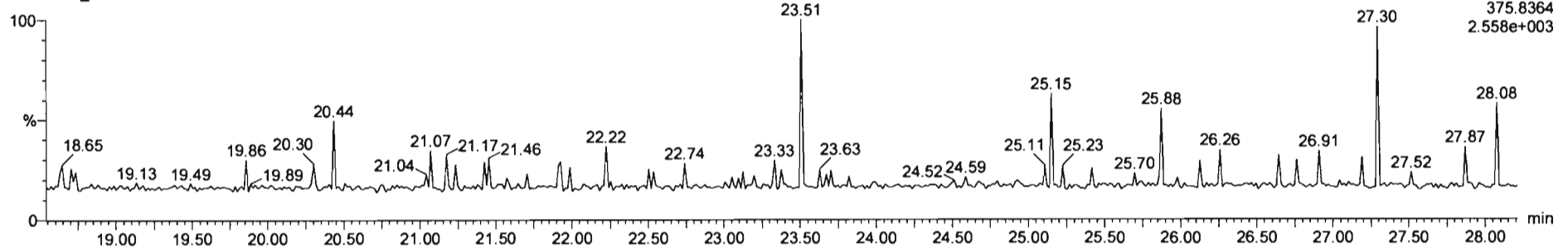
201020R1\_2



F1: Voltage SIR, EI+  
317.939  
1.524e+007

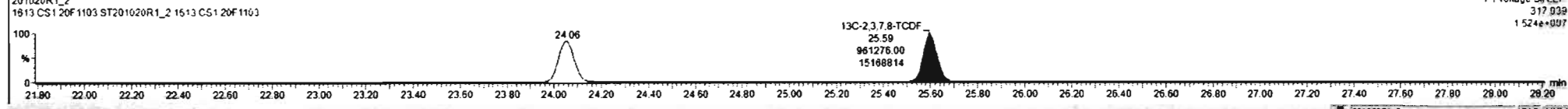
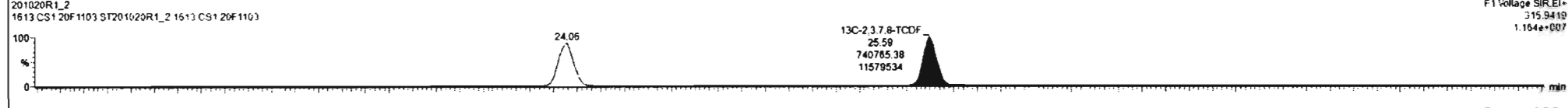
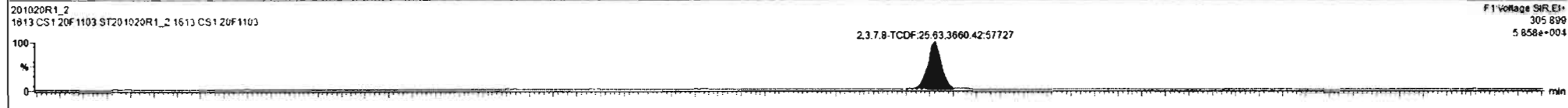
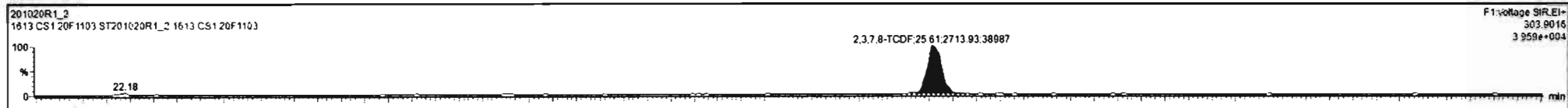
**DPE1**

201020R1\_2



F1: Voltage SIR, EI+  
375.8364  
2.558e+003

#	RT	Name	RT	RA	Yth	Area	IS Area	Std Conc	%Dev	%RSD	RRF #	RRF SD
1	26.31	2,3,7,8-TCDD	0.754	NO	5.589e3	1.279e6	0.500	-8.0	11.0	0.950	0.105	
2	30.96	1,2,3,7,8-PeCDD	0.625	NO	1.8194e4	9.1149e5	2.500	-9.8	9.58	0.885	0.0848	
3	34.27	1,2,3,4,7,8-HxCDD	1.263	NO	1.4835e4	6.6505e5	2.500	-12.3	10.0	1.02	0.102	
4	34.40	1,2,3,6,7,8-HxCDD	1.278	NO	1.5703e4	7.7295e5	2.500	-11.1	9.25	0.915	0.0846	
5	34.67	1,2,3,7,8,9-HxCDD	1.239	NO	1.4811e4	7.1852e5	2.500	-11.8	11.1	0.934	0.104	
6	38.14	1,2,3,4,6,7,8-HpCDD	0.967	NO	1.2598e4	6.3923e5	2.500	-9.4	11.7	0.870	0.102	
7	41.10	OCDD	0.829	NO	2.0278e4	1.0615e6	5.000	-12.3	10.5	0.872	0.0919	
8	25.81	2,3,7,8-TCDF	0.741	NO	6.3743e3	1.7023e6	0.500	-8.1	11.0	0.924	0.0998	
9	29.71	1,2,3,7,8-PeCDF	1.553	NO	2.8451e4	1.3045e6	2.500	-9.4	8.34	0.963	0.0602	
10	30.77	1,2,3,4,7,8-PeCDF	1.586	NO	3.1092e4	1.2877e6	2.500	-9.6	8.76	1.07	0.0936	
11	33.37	1,2,3,4,7,8-HxCDF	1.216	NO	1.9105e4	9.2311e5	2.500	-13.2	11.9	0.953	0.113	
12	33.50	1,2,3,6,7,8-HxCDF	1.289	NO	2.1295e4	9.5922e5	2.500	-11.9	11.1	1.01	0.112	
13	34.17	1,2,3,4,8,9-HxCDF	1.242	NO	1.8735e4	8.7856e5	2.500	-13.9	11.6	0.991	0.117	
14	35.18	1,2,3,7,8,9-HxCDF	1.196	NO	1.6178e4	7.9609e5	2.500	-14.5	12.3	0.951	0.117	
15	36.73	1,2,3,4,6,7,8-HpCDF	0.958	NO	1.5353e4	7.2071e5	2.500	-14.7	14.9	0.998	0.149	
16	38.77	1,2,3,4,7,8,9-HpCDF	1.003	NO	1.4403e4	5.7884e5	2.500	-11.4	12.2	1.12	0.137	
17	41.39	OCDF	0.900	NO	2.3148e4	1.2351e6	5.000	-13.7	12.2	0.868	0.106	
18	26.27	13C-2,3,7,8-TCDD	0.793	NO	1.2795e6	1.1246e6	100.000	2.6	3.19	1.11	0.0354	
19	30.36	13C-1,2,3,7,8-PeCDD	0.626	NO	9.1149e5	1.1246e6	100.000	-5.6	6.80	0.859	0.0584	
20	34.27	13C-1,2,3,4,7,8-HxCDD	1.273	NO	6.8505e5	9.7972e5	100.000	-3.0	7.67	0.700	0.0537	
21	34.38	13C-1,2,3,6,7,8-HxCDD	1.275	NO	7.7295e5	9.7972e5	100.000	-5.3	6.74	0.833	0.0561	



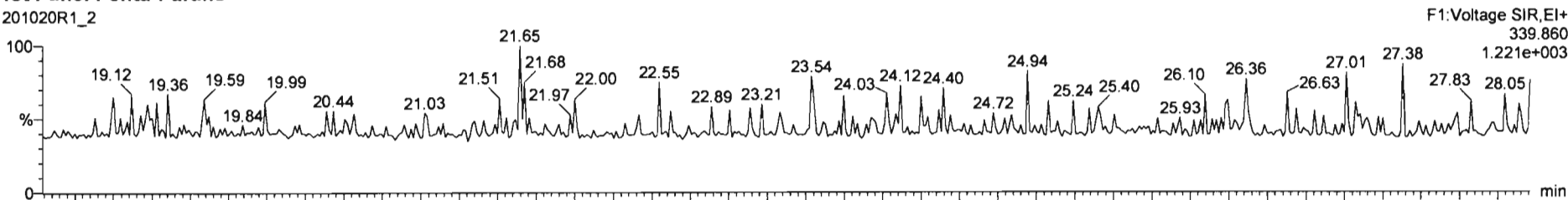
Dataset: Untitled

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

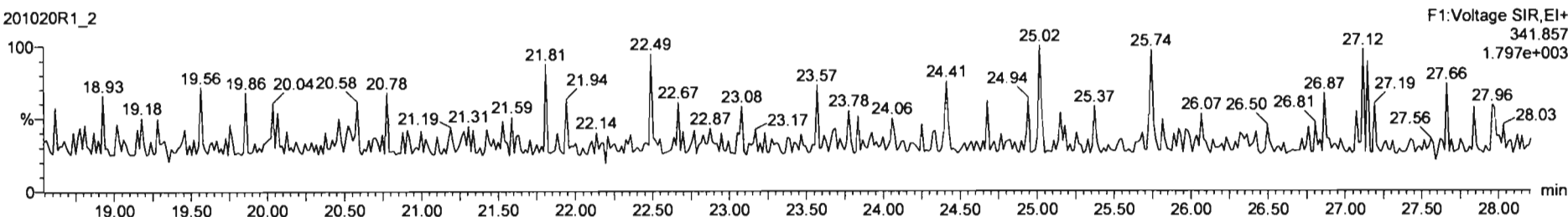
Name: 201020R1\_2, Date: 20-Oct-2020, Time: 10:04:05, ID: ST201020R1\_2 1613 CS1 20F1103, Description: 1613 CS1 20F1103

1st Func. Penta-Furans

201020R1\_2

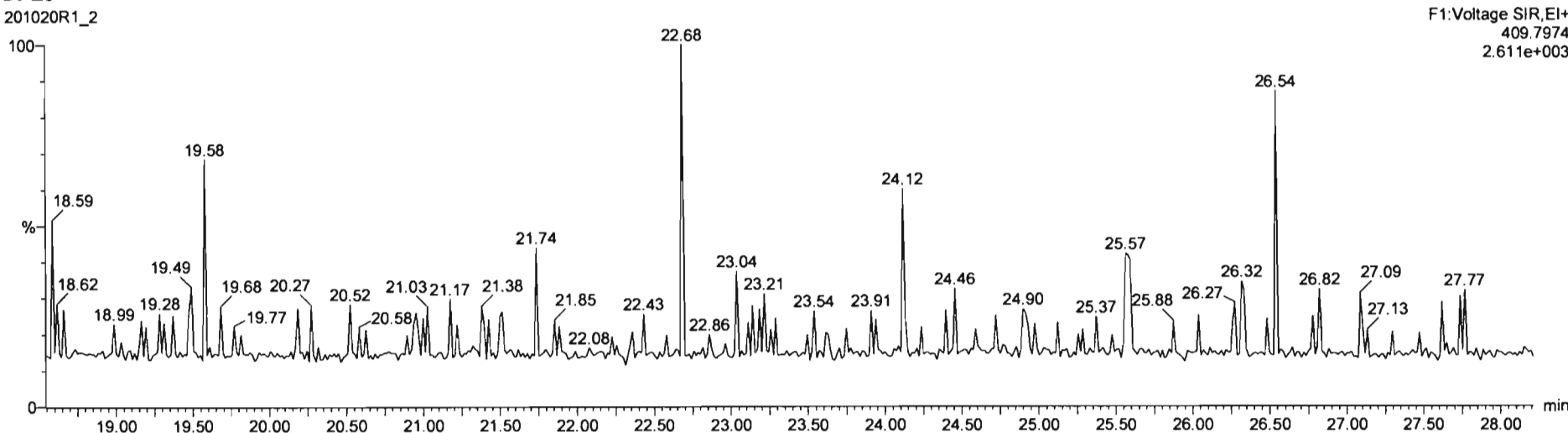


201020R1\_2



DPE6

201020R1\_2

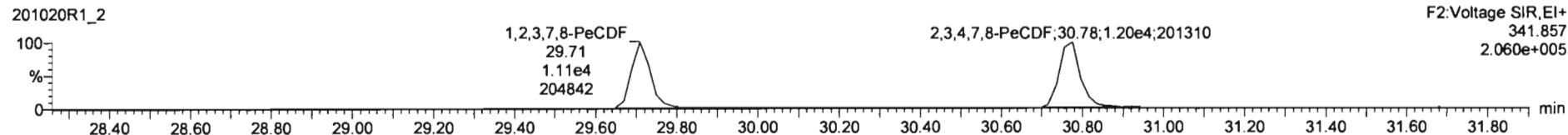


Dataset: Untitled

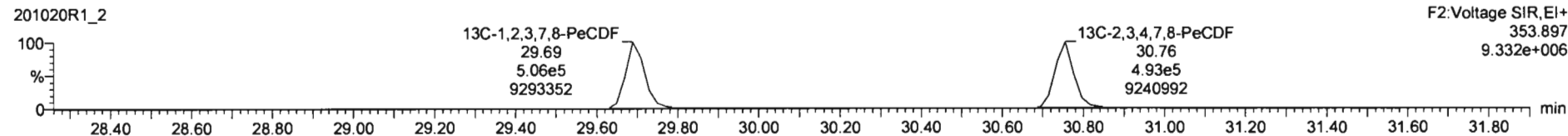
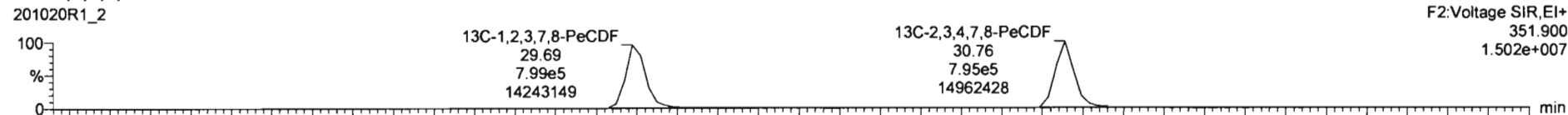
Last Altered: Tuesday, October 20, 2020 15:17:40 Pacific Daylight Time  
Printed: Tuesday, October 20, 2020 15:18:47 Pacific Daylight Time

Name: 201020R1\_2, Date: 20-Oct-2020, Time: 10:04:05, ID: ST201020R1\_2 1613 CS1 20F1103, Description: 1613 CS1 20F1103

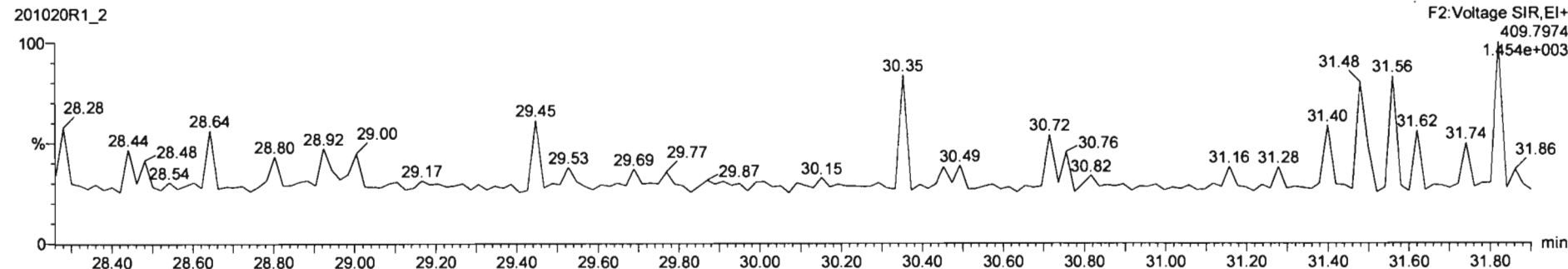
**1,2,3,7,8-PeCDF**



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



**DPE2**



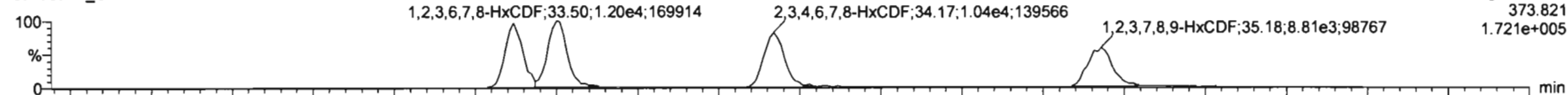
Dataset: Untitled

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

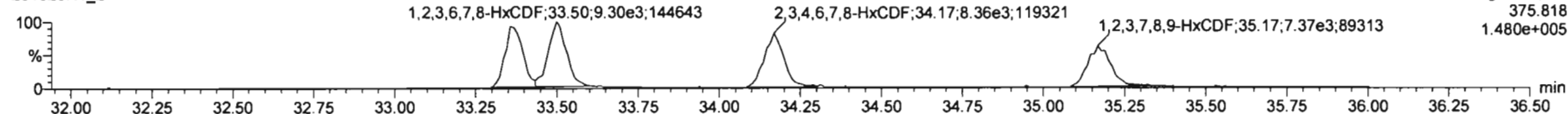
Name: 201020R1\_2, Date: 20-Oct-2020, Time: 10:04:05, ID: ST201020R1\_2 1613 CS1 20F1103, Description: 1613 CS1 20F1103

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

201020R1\_2

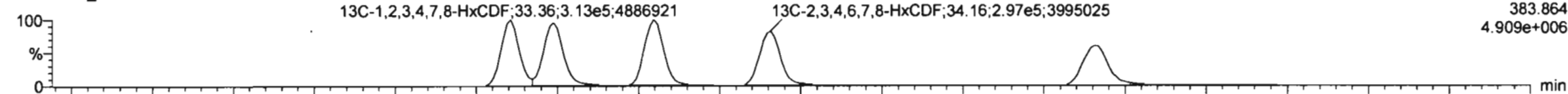


201020R1\_2

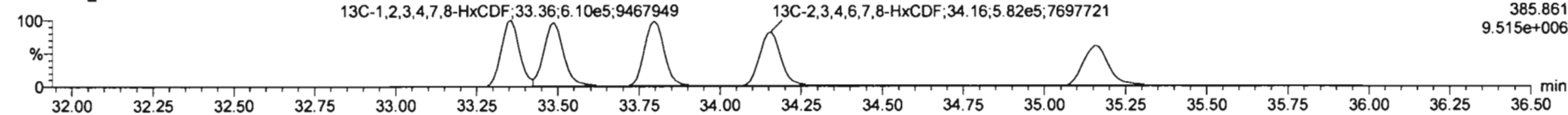


**13C-1,2,3,4,7,8-HxCDF**

201020R1\_2

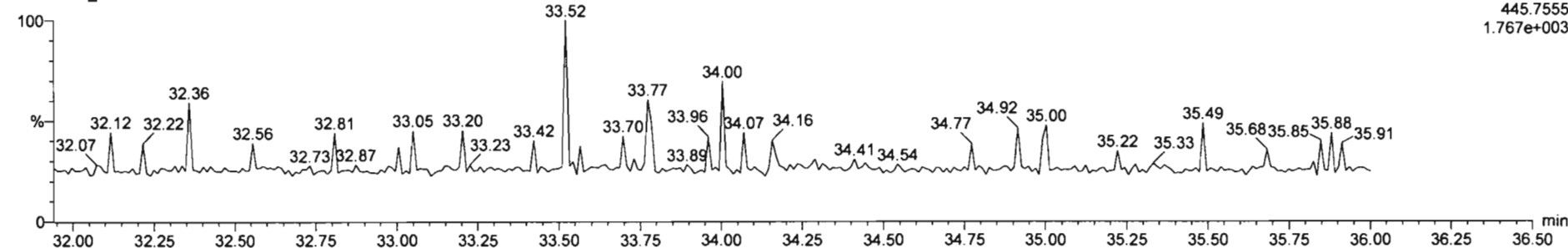


201020R1\_2



**DPE3**

201020R1\_2



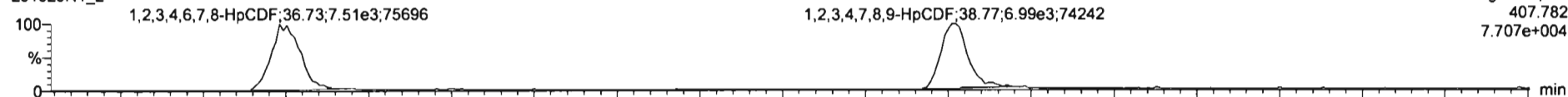
Dataset: Untitled

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

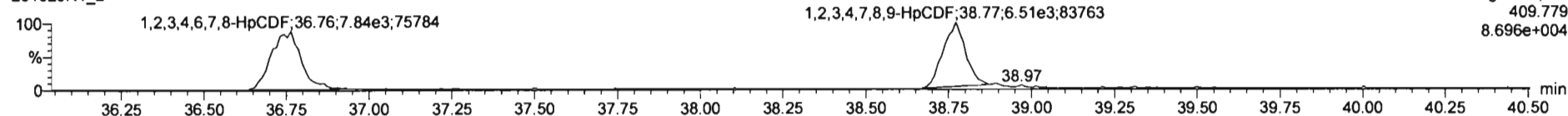
Name: 201020R1\_2, Date: 20-Oct-2020, Time: 10:04:05, ID: ST201020R1\_2 1613 CS1 20F1103, Description: 1613 CS1 20F1103

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

201020R1\_2

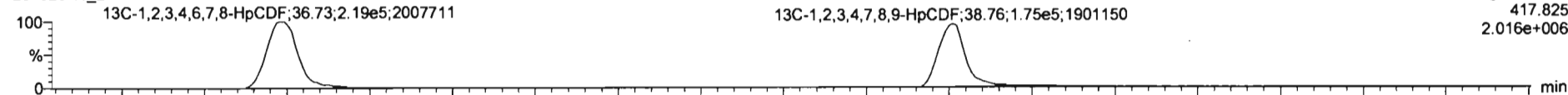


201020R1\_2

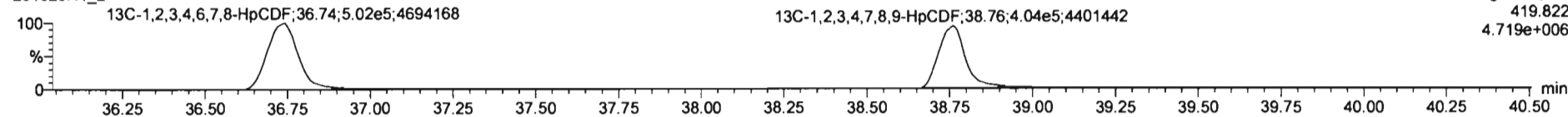


**13C-1,2,3,4,6,7,8-HpCDF**

201020R1\_2

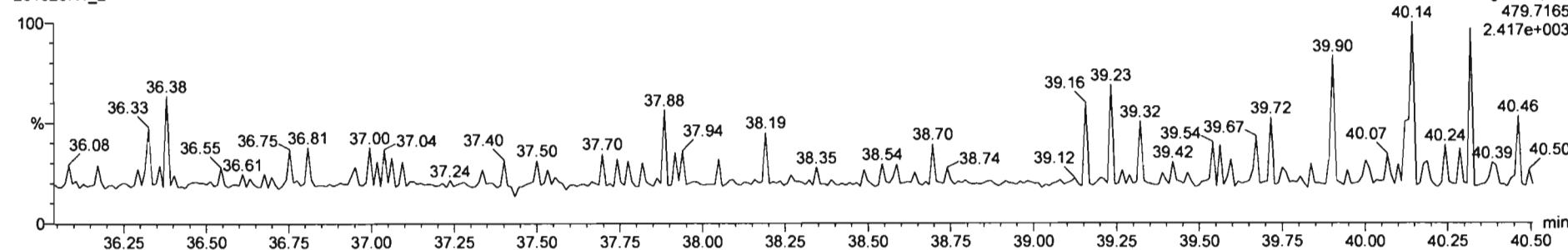


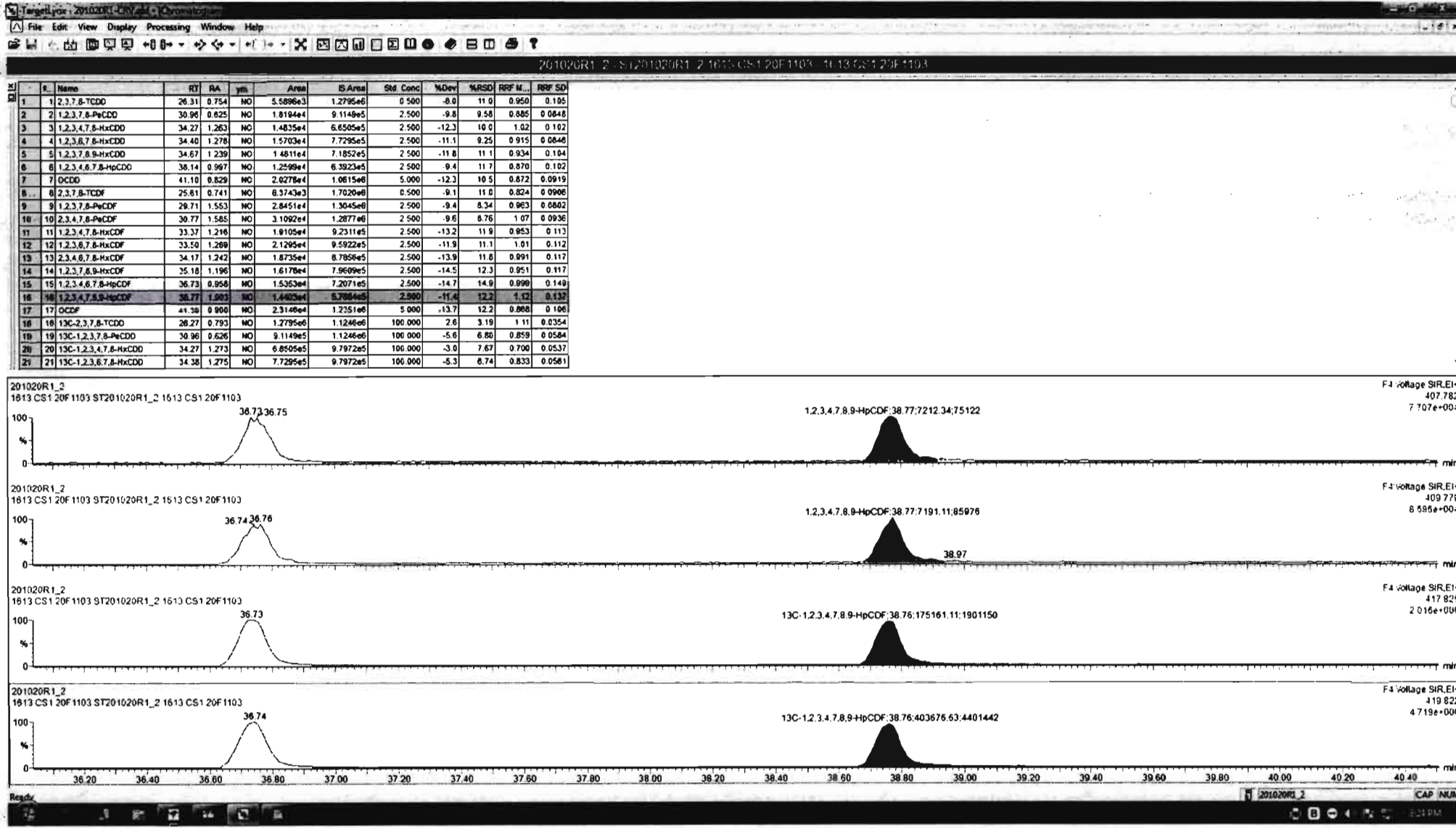
201020R1\_2



**DPE4**

201020R1\_2





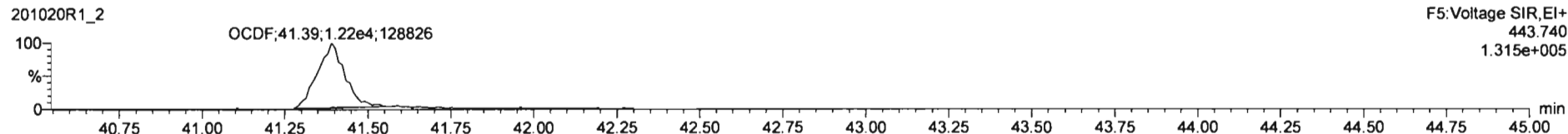
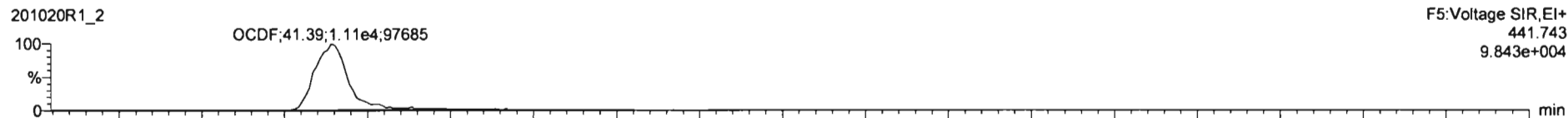


Dataset: Untitled

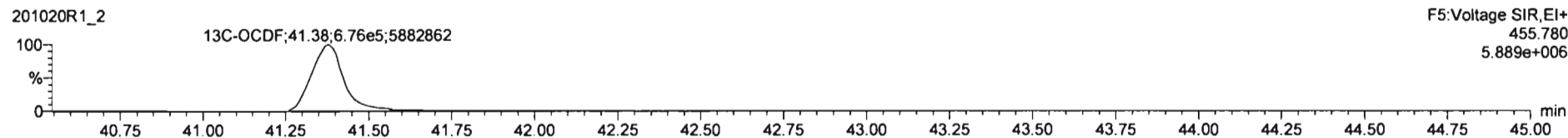
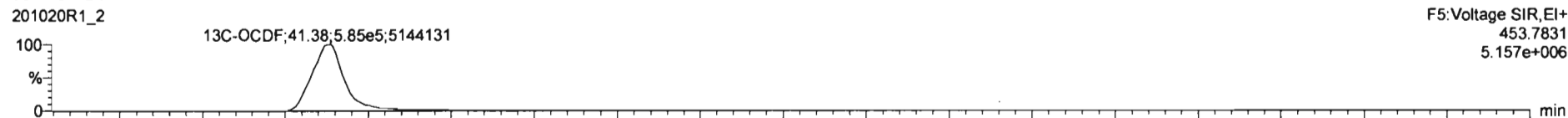
Last Altered: Tuesday, October 20, 2020 15:17:40 Pacific Daylight Time  
Printed: Tuesday, October 20, 2020 15:18:47 Pacific Daylight Time

Name: 201020R1\_2, Date: 20-Oct-2020, Time: 10:04:05, ID: ST201020R1\_2 1613 CS1 20F1103, Description: 1613 CS1 20F1103

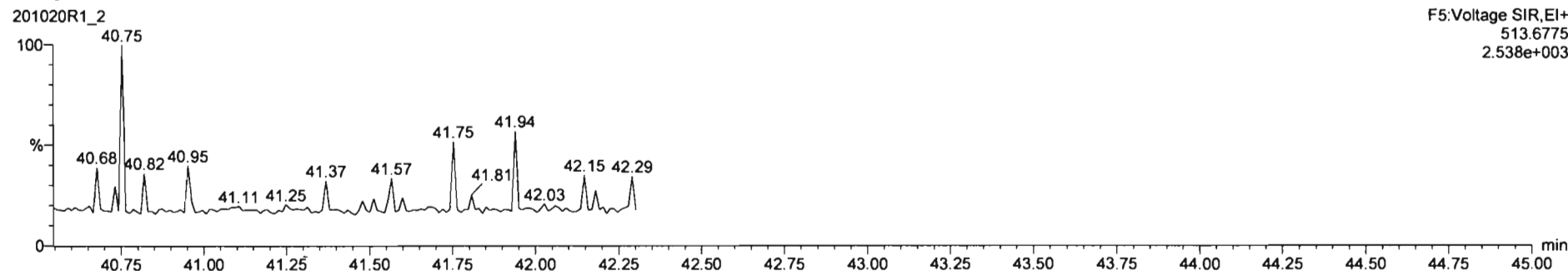
**OCDF**



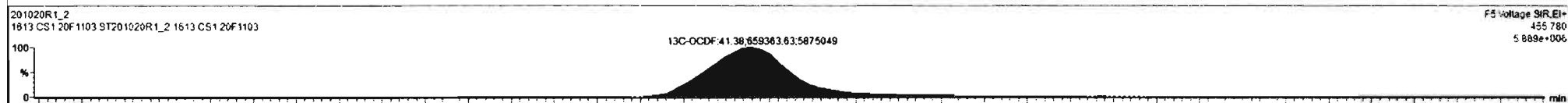
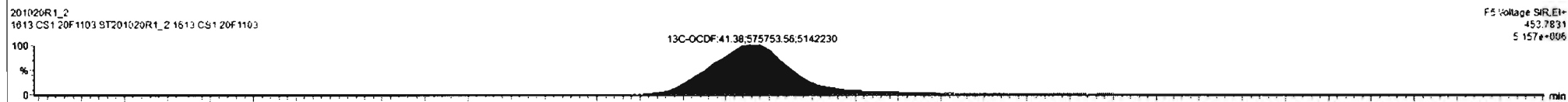
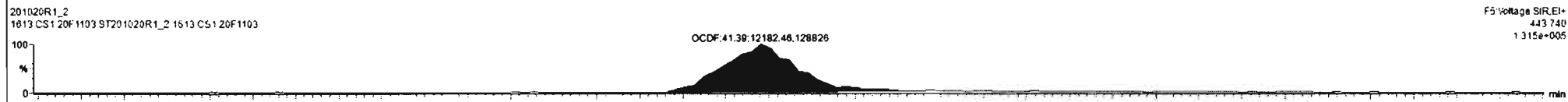
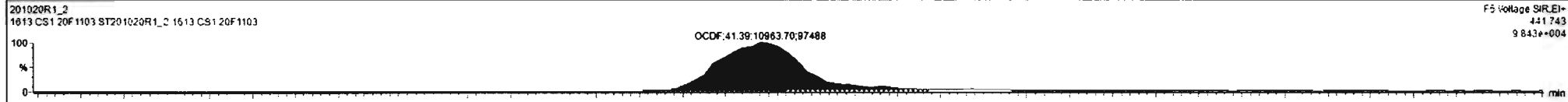
**<sup>13</sup>C-OCDF**



**DPE5**



#	P.	Name	RT	RA	ym	Area	S Area	Std. Conc.	%Dev	%RSD	RRF M...	RRF SD
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	2	1,2,3,7,8-PeCDD	30.96	0.825	NO	1.8194e4	9.1149e5	2.500	-9.8	9.58	0.885	0.0848
3	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	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	0.0648
5	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	6	1,2,3,4,6,7,8-HpCDD	38.14	0.967	NO	1.2598e4	6.3923e5	2.500	-9.4	11.7	0.870	0.102
7	7	OCDD	41.10	0.829	NO	2.0278e4	1.0815e6	5.000	-12.3	10.5	0.872	0.0919
8	8	2,3,7,8-TCDF	25.61	0.741	NO	6.3743e3	1.7020e6	0.500	-9.1	11.0	0.824	0.0906
9	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	10	2,3,4,7,8-PeCDF	30.77	1.585	NO	3.1082e4	1.2877e6	2.500	-9.6	8.76	1.07	0.0936
11	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	12	1,2,3,6,7,8-HxCDF	33.50	1.289	NO	2.1285e4	9.5922e5	2.500	-11.9	11.1	1.01	0.112
13	13	2,3,4,6,7,8-HxCDF	34.17	1.242	NO	1.8735e4	8.7856e5	2.500	-13.9	11.8	0.891	0.117
14	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	15	1,2,3,4,6,7,8-HpCDF	36.73	0.956	NO	1.5353e4	7.2071e5	2.500	-14.7	14.9	0.899	0.149
16	16	1,2,3,4,7,8,9-HpCDF	38.77	1.003	NO	1.4403e4	5.7884e5	2.500	-11.4	12.2	1.12	0.137
17	17	OCDF	41.38	0.806	NO	2.3148e4	1.2351e6	5.000	-13.7	12.2	0.898	0.108
18	18	13C-2,3,7,8-TCDD	26.27	0.793	NO	1.2795e6	1.1246e6	100.000	2.8	3.19	1.11	0.0354
19	19	13C-1,2,3,7,8-PeCDD	30.96	0.626	NO	9.1149e5	1.1246e6	100.000	-5.8	6.80	0.859	0.0584
20	20	13C-1,2,3,4,7,8-HxCDD	34.27	1.273	NO	6.8505e5	9.7972e5	100.000	-3.8	7.67	0.700	0.0537
21	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	0.0581

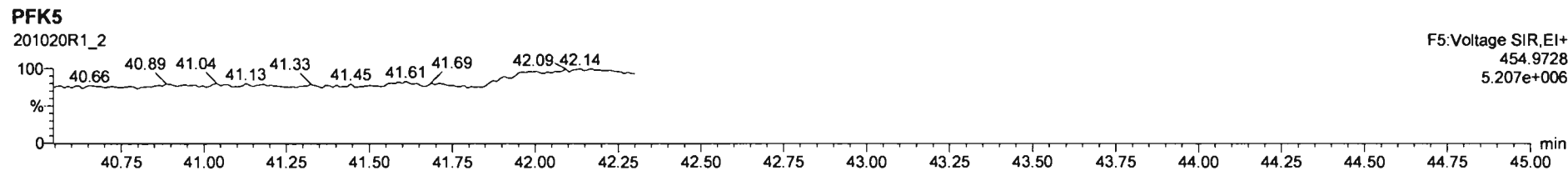
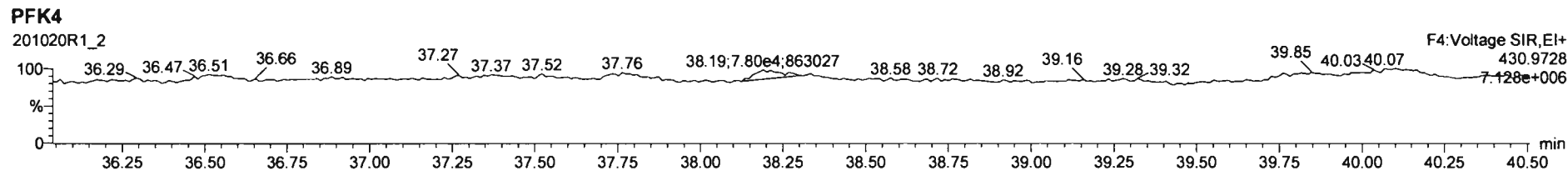
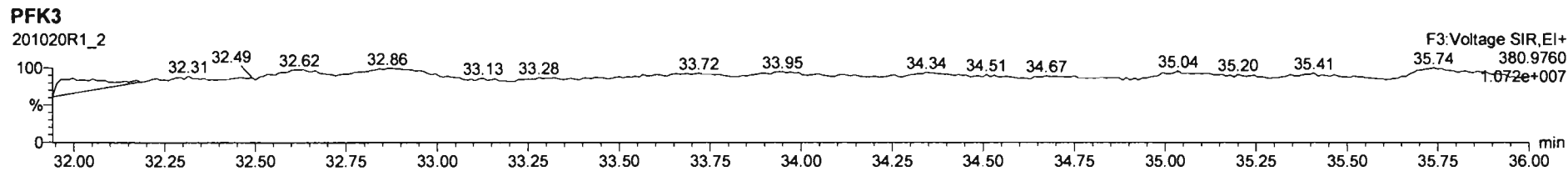
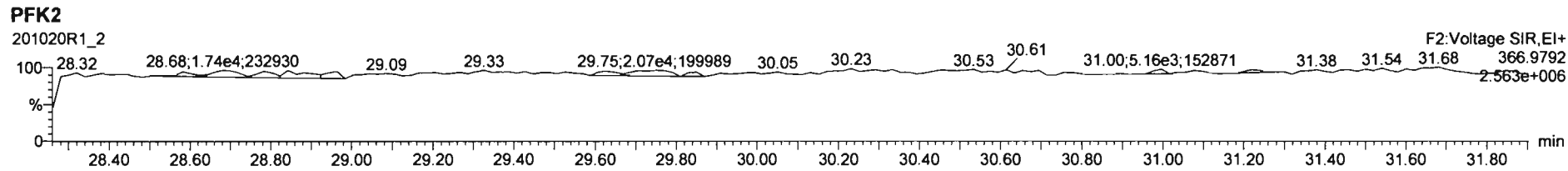
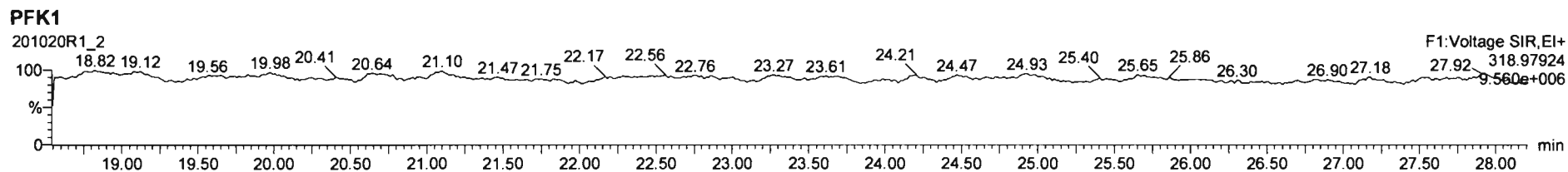


Dataset: Untitled

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\_2, Date: 20-Oct-2020, Time: 10:04:05, ID: ST201020R1\_2 1613 CS1 20F1103, Description: 1613 CS1 20F1103



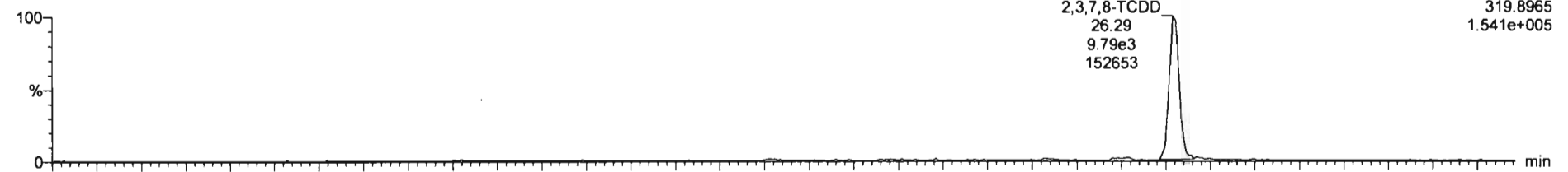
Dataset: Untitled

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

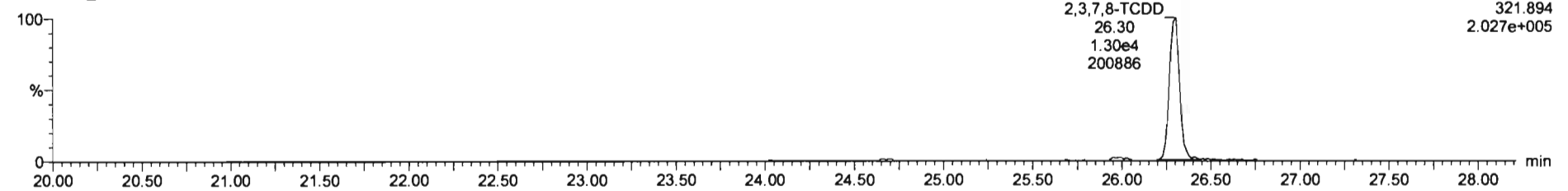
Name: 201020R1\_3, Date: 20-Oct-2020, Time: 10:48:17, ID: ST201020R1\_3 1613 CS2 20F1104, Description: 1613 CS2 20F1104

**2,3,7,8-TCDD**

201020R1\_3

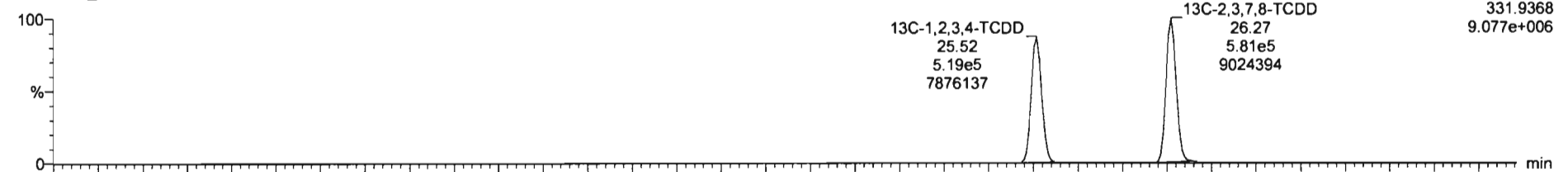


201020R1\_3

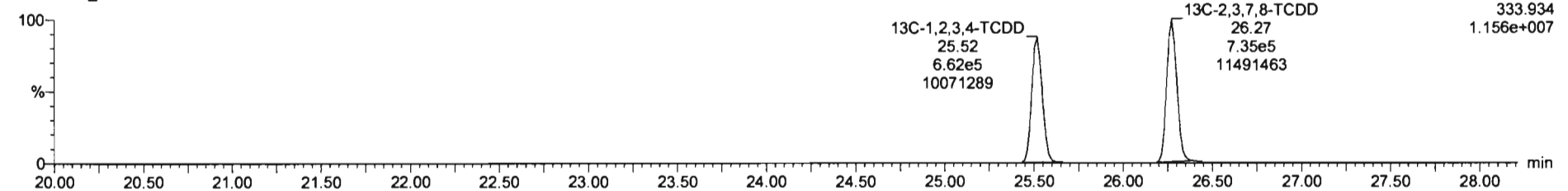


**13C-2,3,7,8-TCDD**

201020R1\_3



201020R1\_3



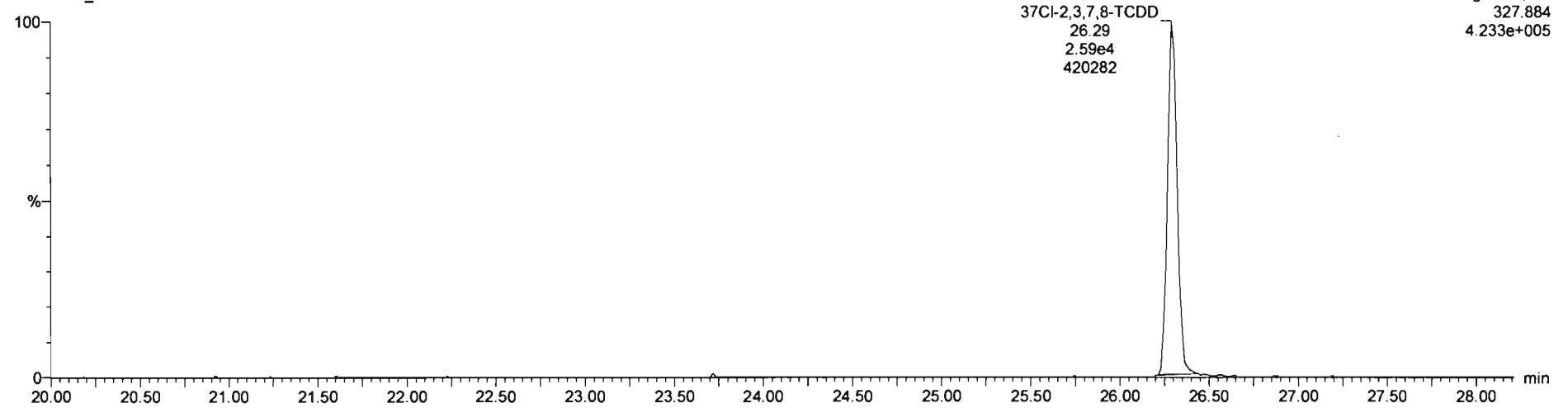
Dataset: Untitled

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\_3, Date: 20-Oct-2020, Time: 10:48:17, ID: ST201020R1\_3 1613 CS2 20F1104, Description: 1613 CS2 20F1104

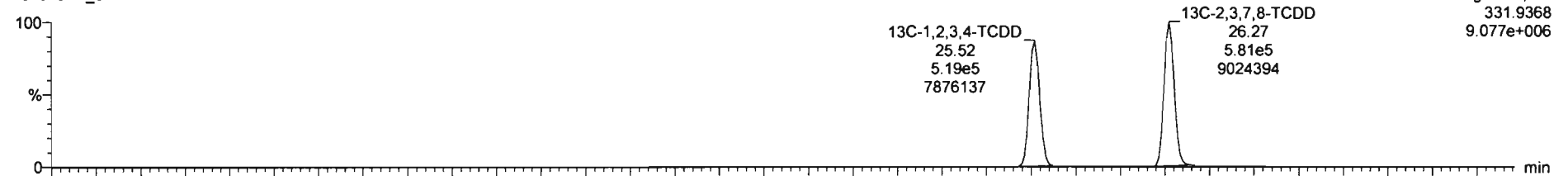
37Cl-2,3,7,8-TCDD

201020R1\_3

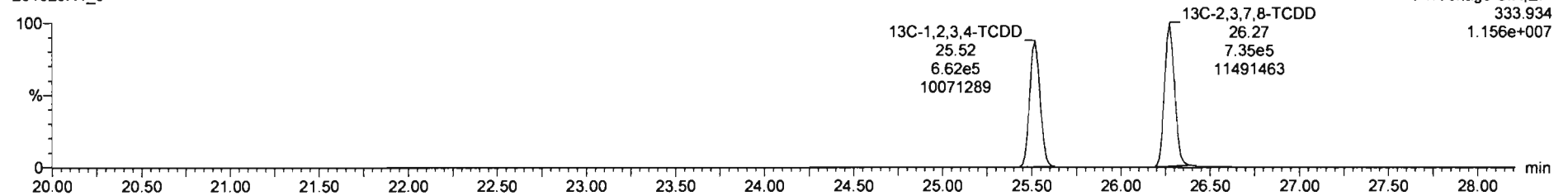


13C-1,2,3,4-TCDD

201020R1\_3



201020R1\_3



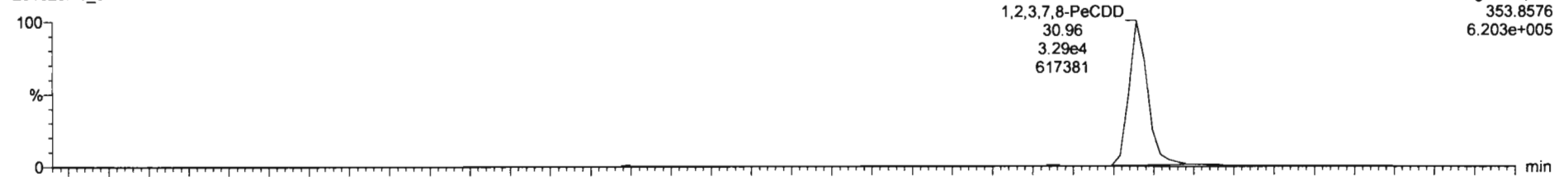
Dataset: Untitled

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

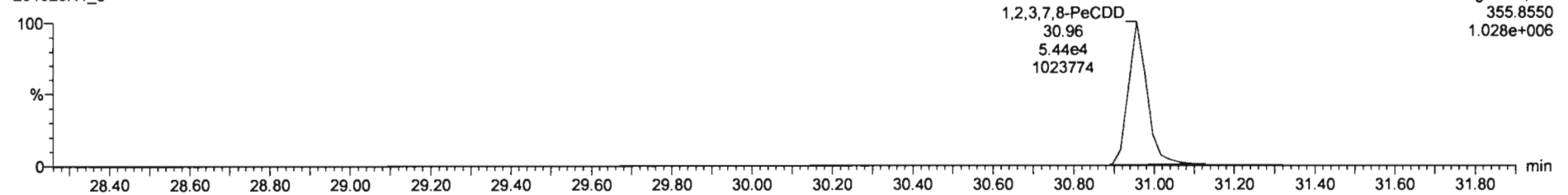
Name: 201020R1\_3, Date: 20-Oct-2020, Time: 10:48:17, ID: ST201020R1\_3 1613 CS2 20F1104, Description: 1613 CS2 20F1104

**1,2,3,7,8-PeCDD**

201020R1\_3

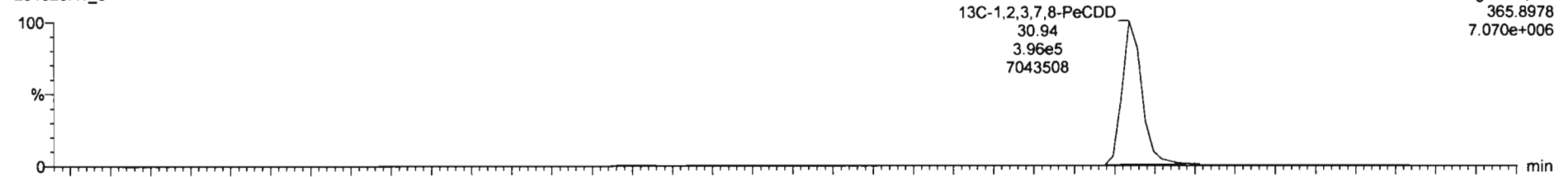


201020R1\_3

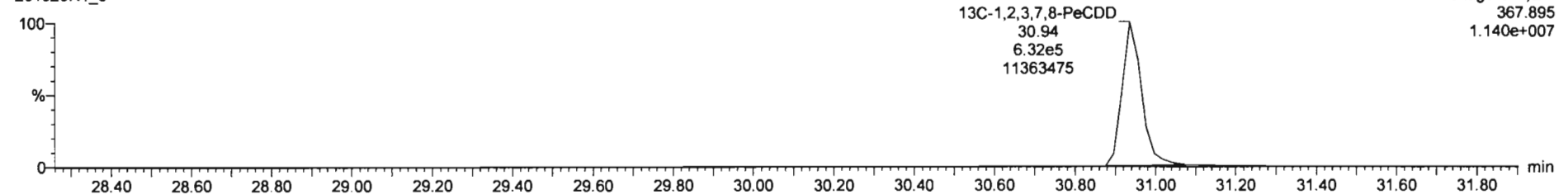


**13C-1,2,3,7,8-PeCDD**

201020R1\_3



201020R1\_3



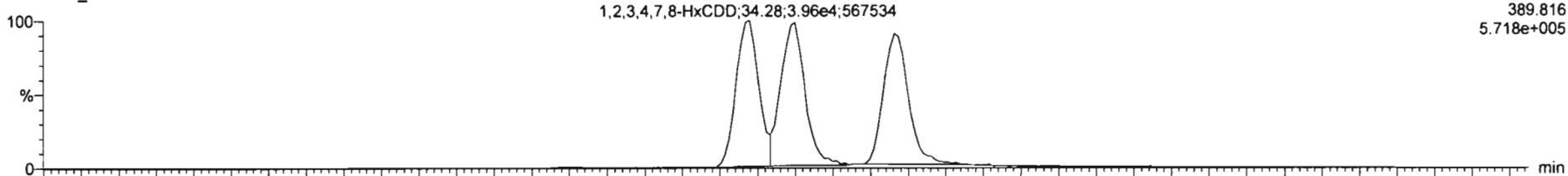
Dataset: Untitled

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

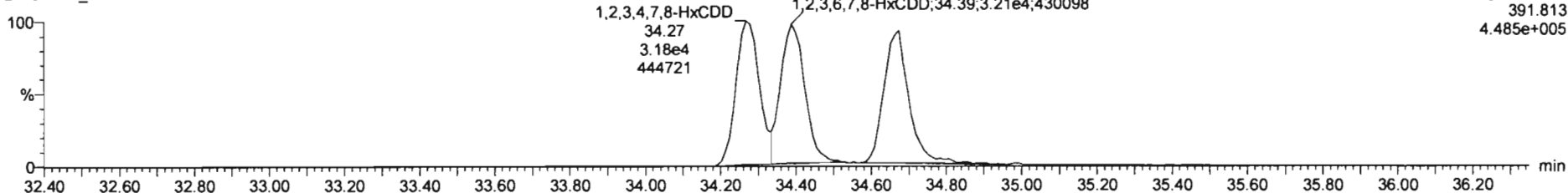
Name: 201020R1\_3, Date: 20-Oct-2020, Time: 10:48:17, ID: ST201020R1\_3 1613 CS2 20F1104, Description: 1613 CS2 20F1104

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

201020R1\_3

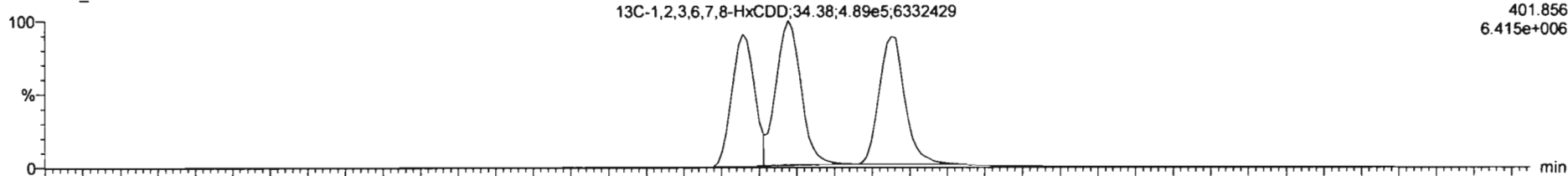


201020R1\_3

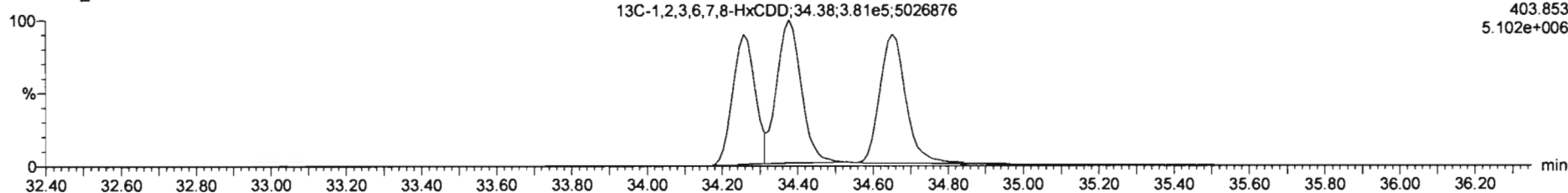


**13C-1,2,3,4,7,8-HxCDD**

201020R1\_3



201020R1\_3



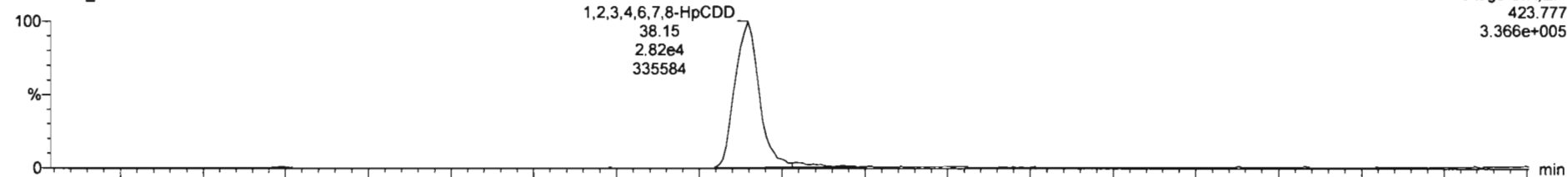
Dataset: Untitled

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

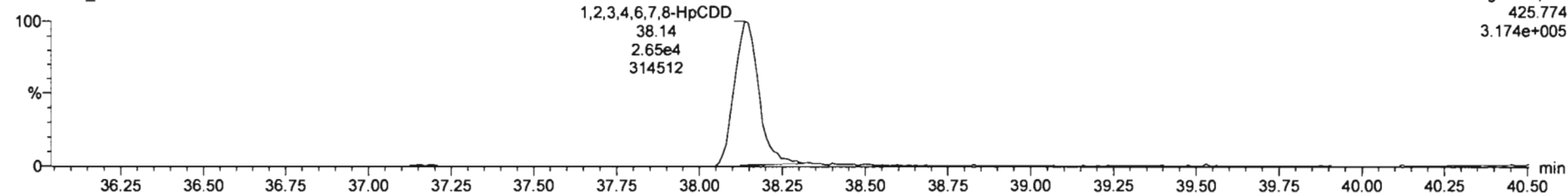
Name: 201020R1\_3, Date: 20-Oct-2020, Time: 10:48:17, ID: ST201020R1\_3 1613 CS2 20F1104, Description: 1613 CS2 20F1104

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

201020R1\_3

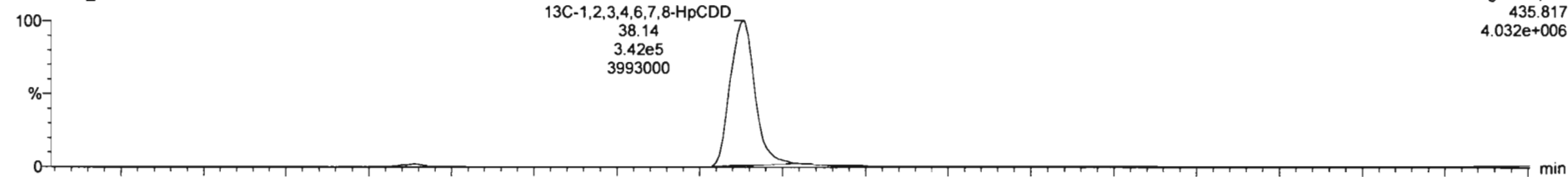


201020R1\_3

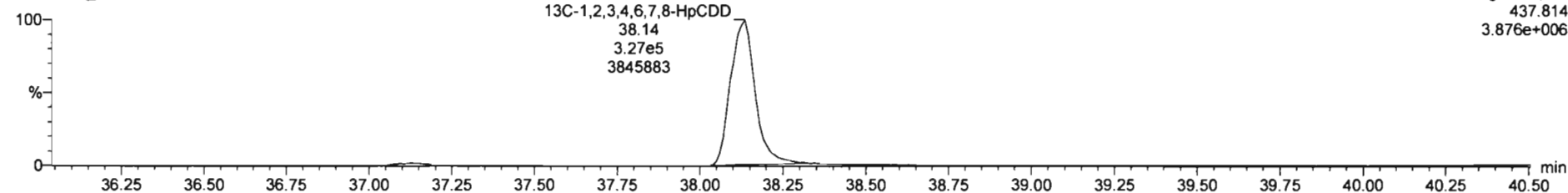


**13C-1,2,3,4,6,7,8-HpCDD**

201020R1\_3



201020R1\_3





Dataset: Untitled

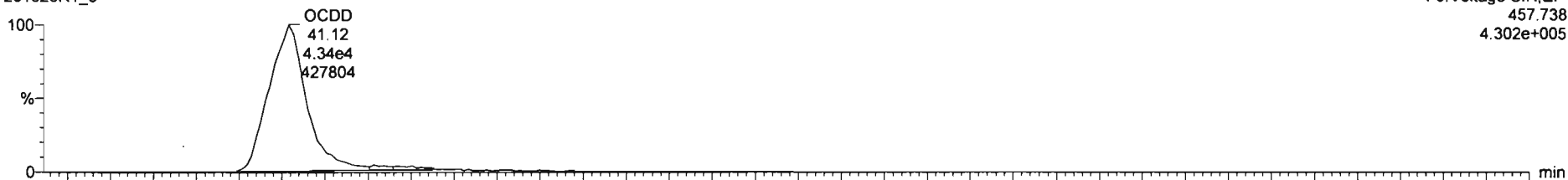
Last Altered: Tuesday, October 20, 2020 15:17:40 Pacific Daylight Time  
Printed: Tuesday, October 20, 2020 15:18:47 Pacific Daylight Time

Name: 201020R1\_3, Date: 20-Oct-2020, Time: 10:48:17, ID: ST201020R1\_3 1613 CS2 20F1104, Description: 1613 CS2 20F1104

**OCDD**

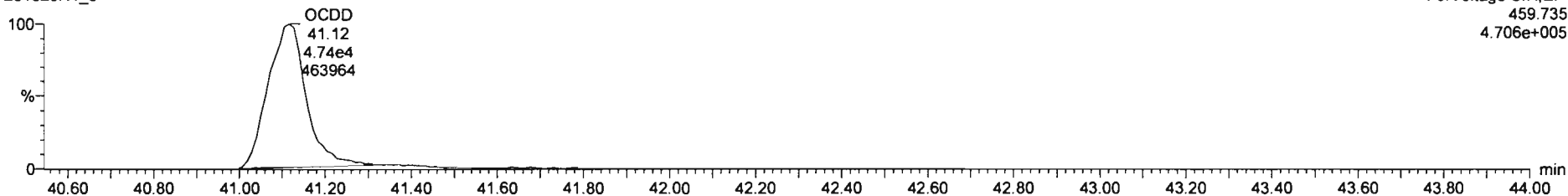
201020R1\_3

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



201020R1\_3

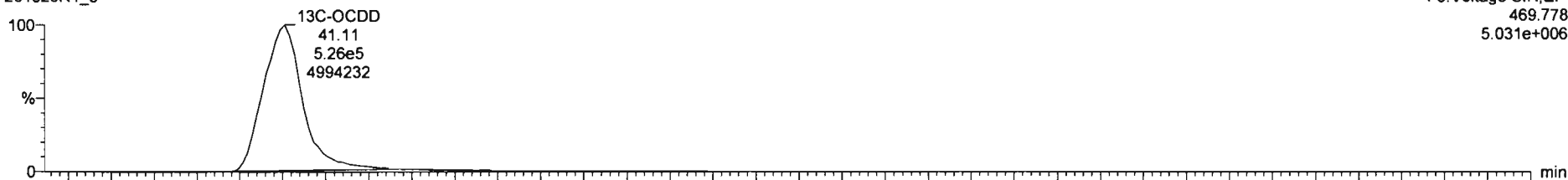
F5:Voltage SIR, EI+  
459.735  
4.706e+005



**13C-OCDD**

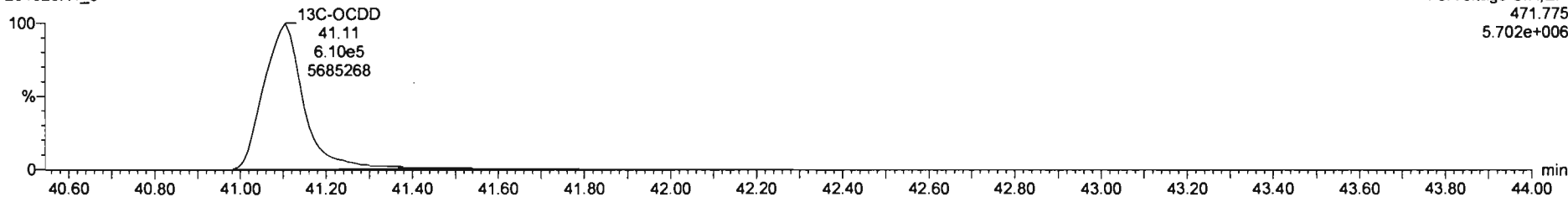
201020R1\_3

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

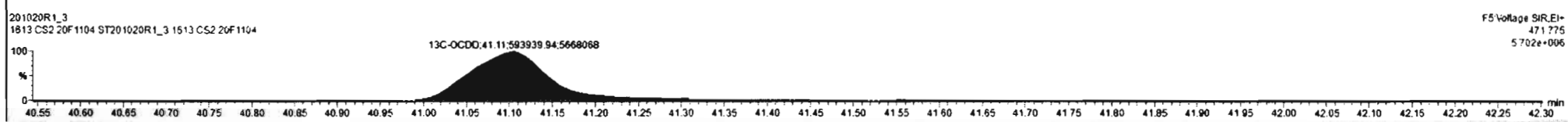
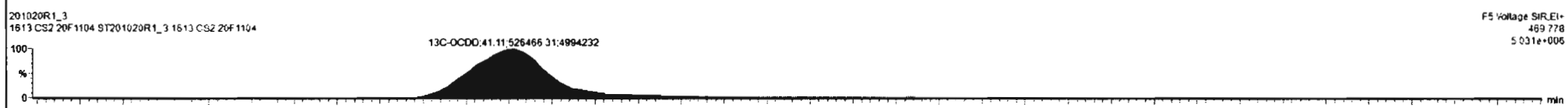
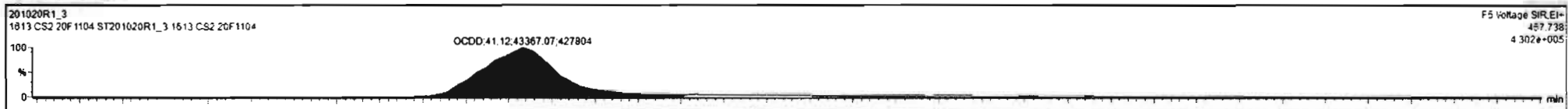


201020R1\_3

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



#	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	9.58	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	1.1284e6	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	9.7586e5	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	7.8997e5	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



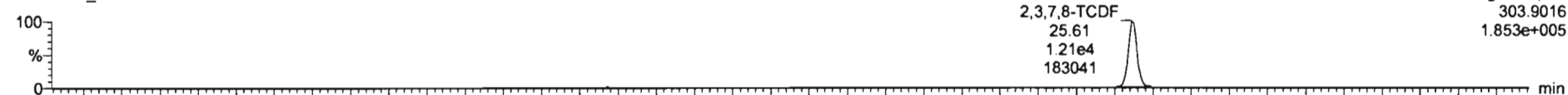
Dataset: Untitled

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

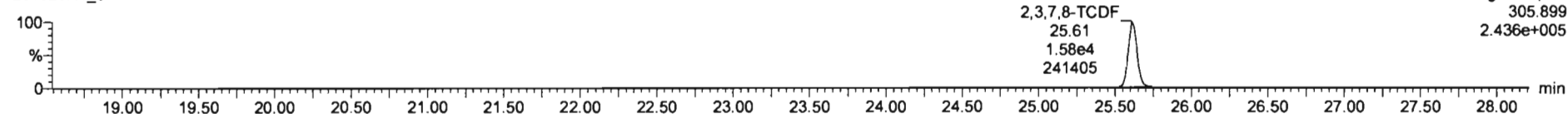
Name: 201020R1\_3, Date: 20-Oct-2020, Time: 10:48:17, ID: ST201020R1\_3 1613 CS2 20F1104, Description: 1613 CS2 20F1104

**2,3,7,8-TCDF**

201020R1\_3

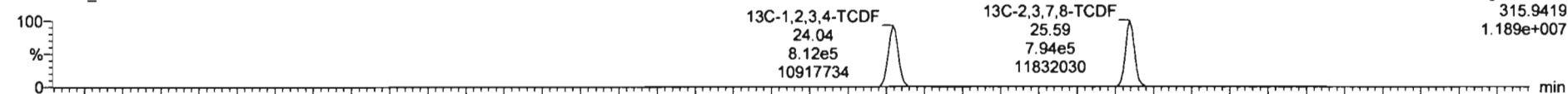


201020R1\_3

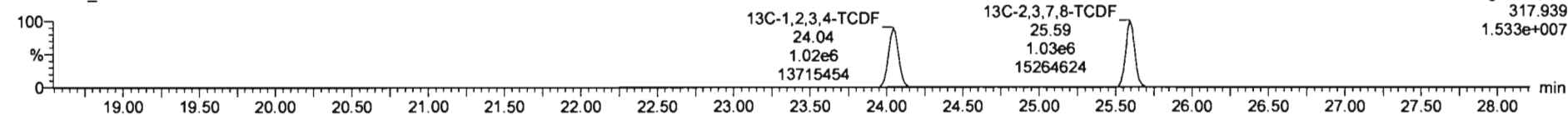


**13C-2,3,7,8-TCDF**

201020R1\_3

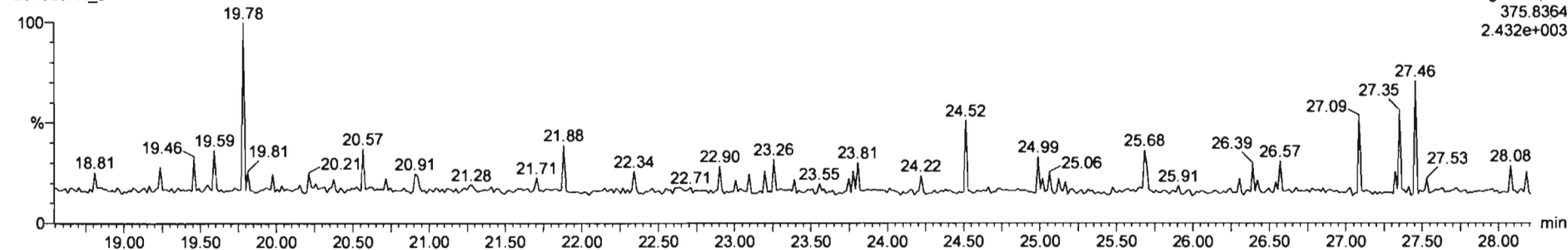


201020R1\_3



**DPE1**

201020R1\_3



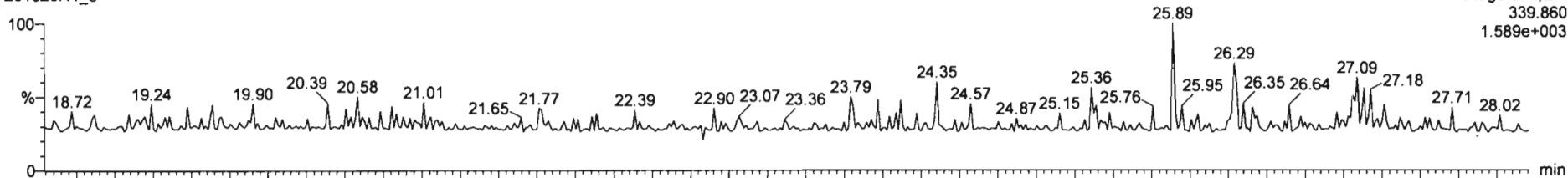
Dataset: Untitled

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

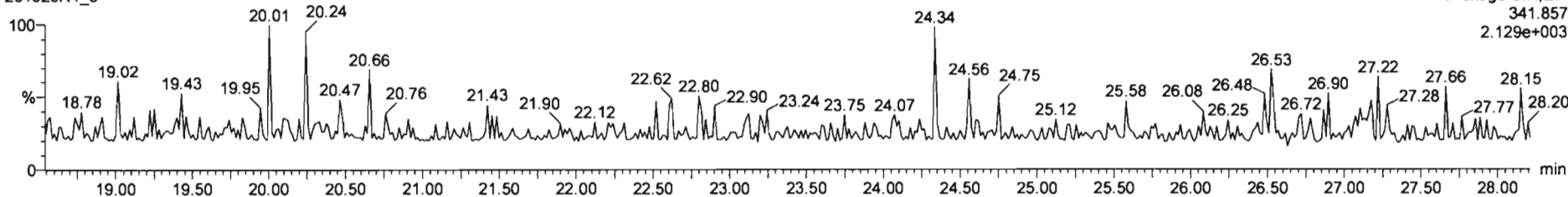
Name: 201020R1\_3, Date: 20-Oct-2020, Time: 10:48:17, ID: ST201020R1\_3 1613 CS2 20F1104, Description: 1613 CS2 20F1104

1st Func. Penta-Furans

201020R1\_3

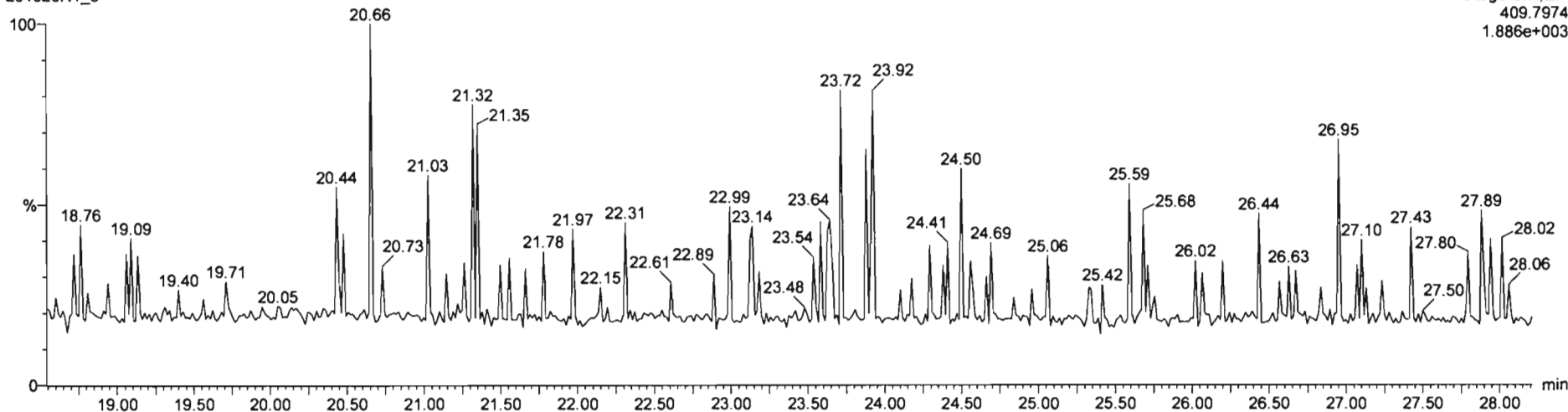


201020R1\_3



DPE6

201020R1\_3



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

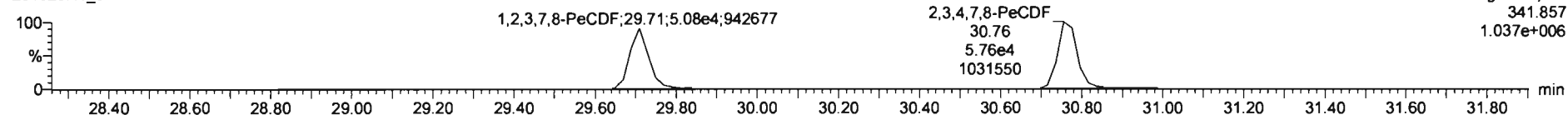
Name: 201020R1\_3, Date: 20-Oct-2020, Time: 10:48:17, ID: ST201020R1\_3 1613 CS2 20F1104, Description: 1613 CS2 20F1104

**1,2,3,7,8-PeCDF**

201020R1\_3

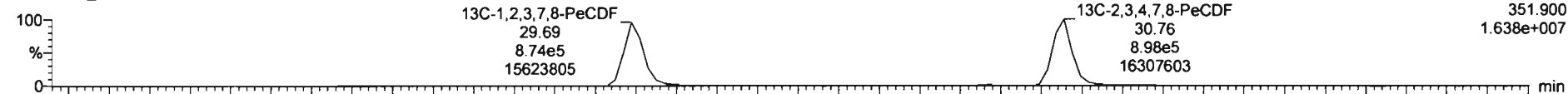


201020R1\_3

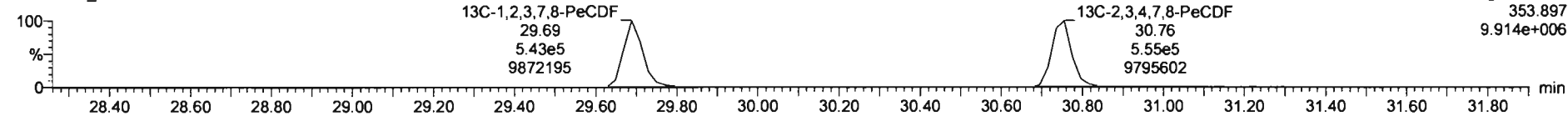


**13C-1,2,3,7,8-PeCDF**

201020R1\_3

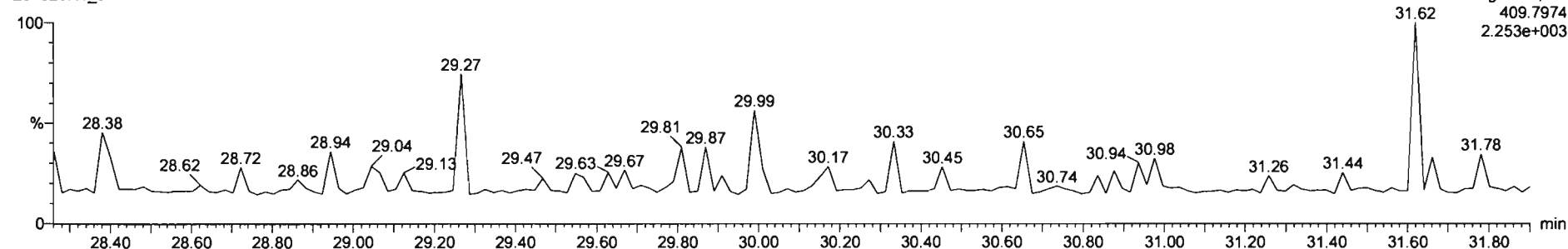


201020R1\_3



**DPE2**

201020R1\_3



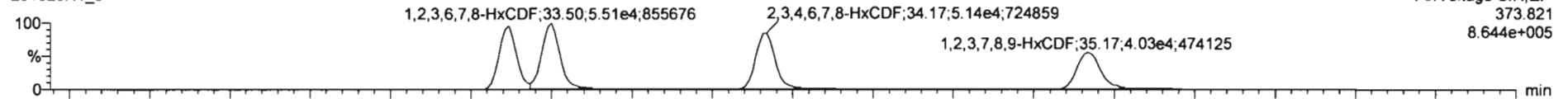
Dataset: Untitled

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

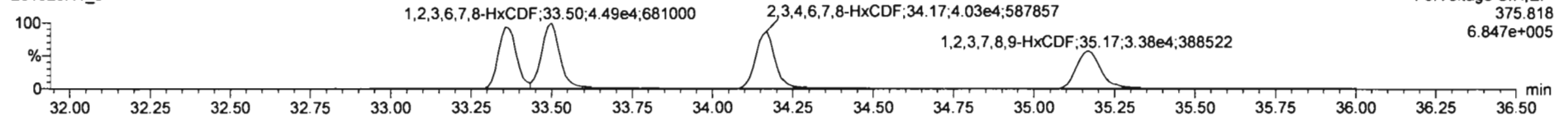
Name: 201020R1\_3, Date: 20-Oct-2020, Time: 10:48:17, ID: ST201020R1\_3 1613 CS2 20F1104, Description: 1613 CS2 20F1104

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

201020R1\_3

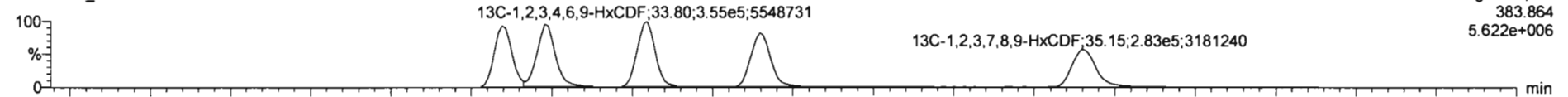


201020R1\_3

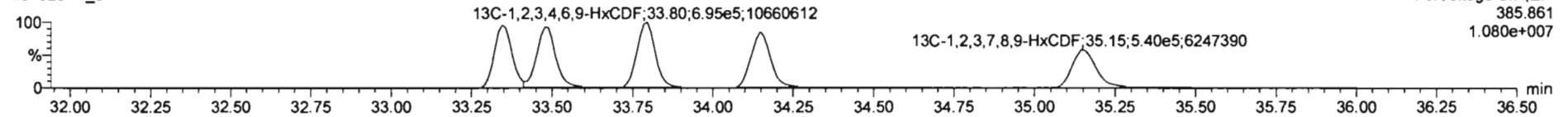


**13C-1,2,3,4,7,8-HxCDF**

201020R1\_3

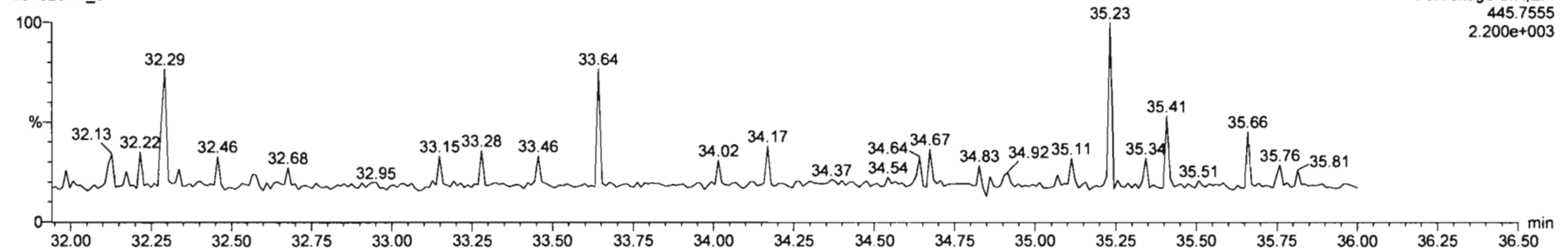


201020R1\_3



**DPE3**

201020R1\_3



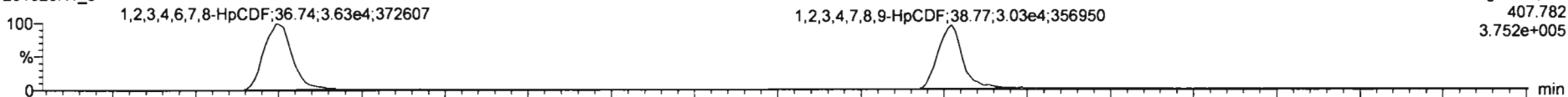
Dataset: Untitled

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

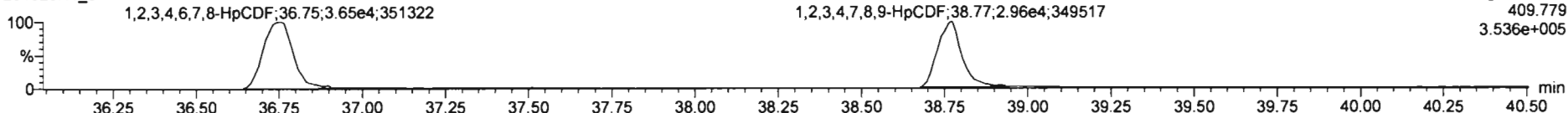
Name: 201020R1\_3, Date: 20-Oct-2020, Time: 10:48:17, ID: ST201020R1\_3 1613 CS2 20F1104, Description: 1613 CS2 20F1104

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

201020R1\_3

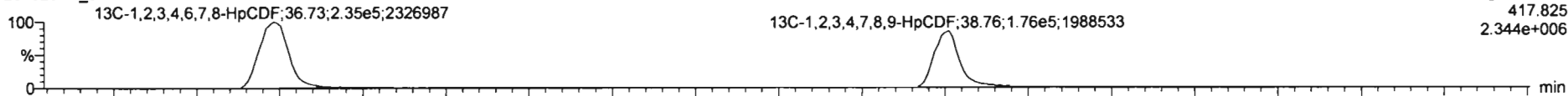


201020R1\_3

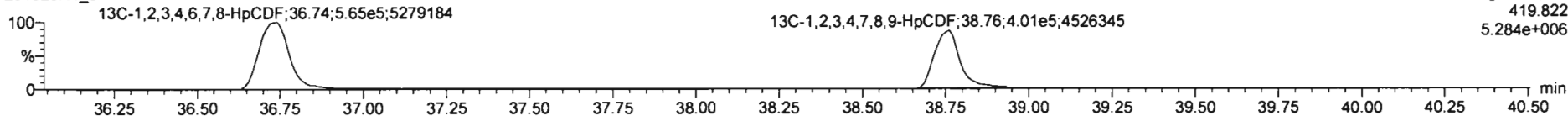


**13C-1,2,3,4,6,7,8-HpCDF**

201020R1\_3

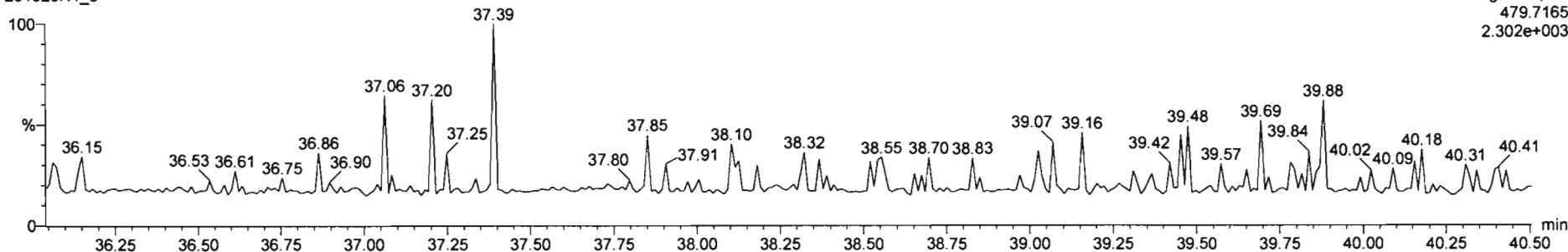


201020R1\_3



**DPE4**

201020R1\_3



Dataset: Untitled

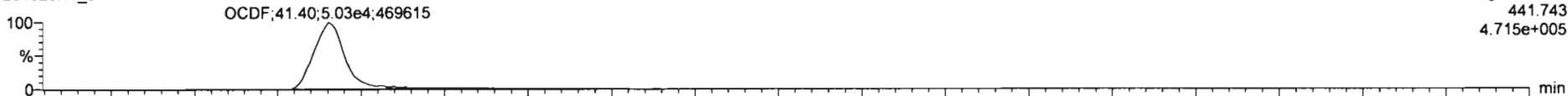
Last Altered: Tuesday, October 20, 2020 15:17:40 Pacific Daylight Time

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

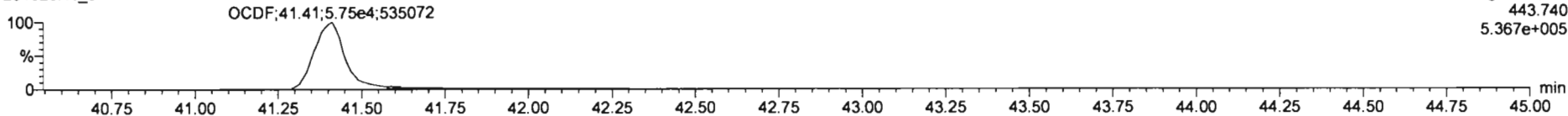
Name: 201020R1\_3, Date: 20-Oct-2020, Time: 10:48:17, ID: ST201020R1\_3 1613 CS2 20F1104, Description: 1613 CS2 20F1104

**OCDF**

201020R1\_3

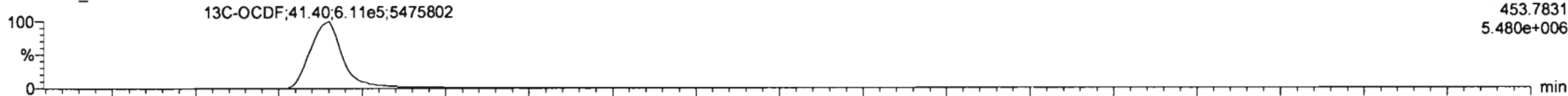


201020R1\_3

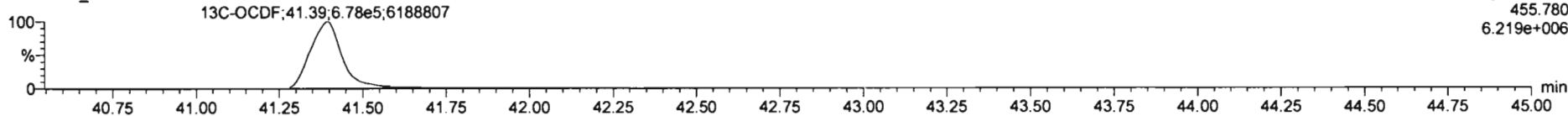


**13C-OCDF**

201020R1\_3

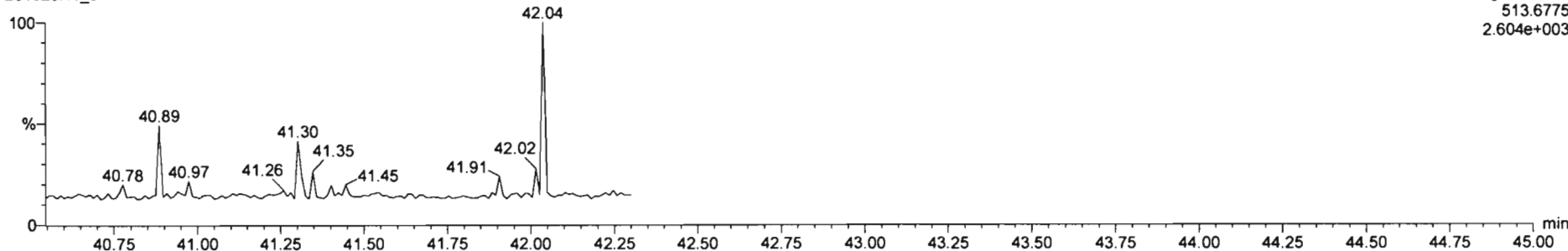


201020R1\_3



**DPE5**

201020R1\_3

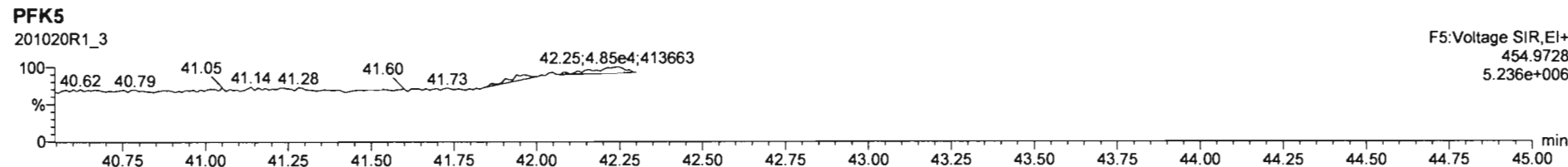
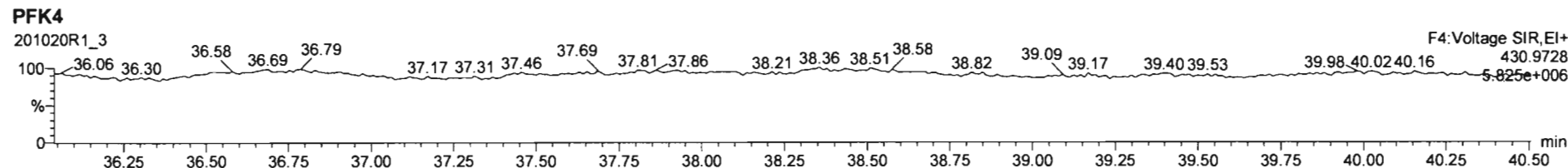
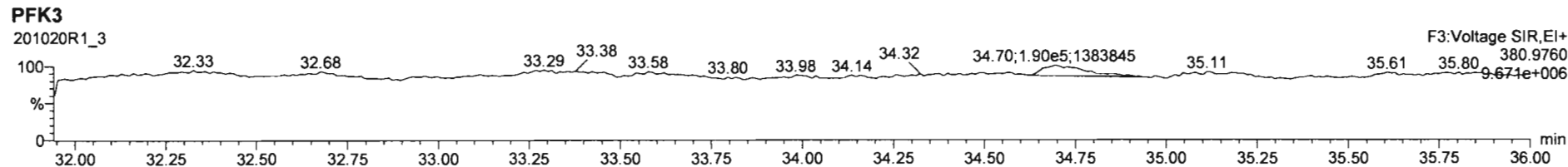
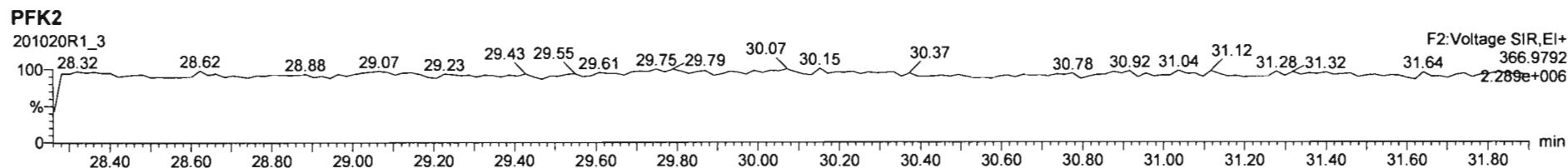
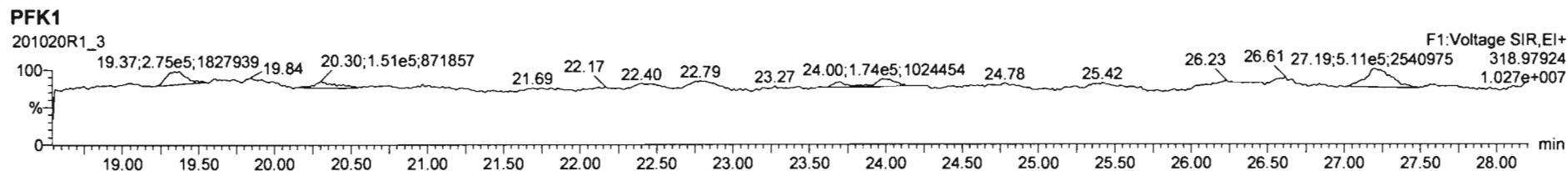




Dataset: Untitled

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\_3, Date: 20-Oct-2020, Time: 10:48:17, ID: ST201020R1\_3 1613 CS2 20F1104, Description: 1613 CS2 20F1104



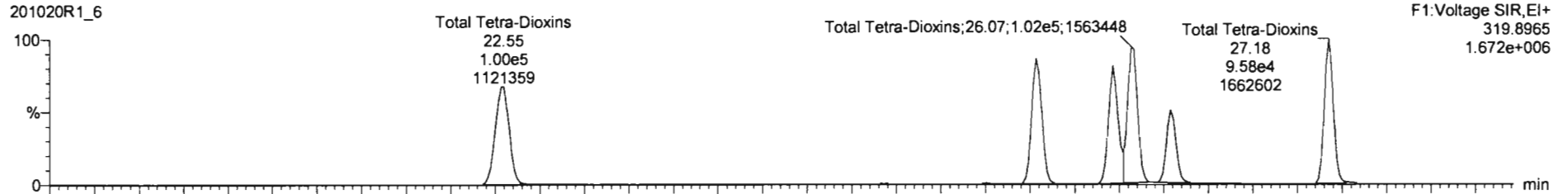
Dataset: Untitled

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

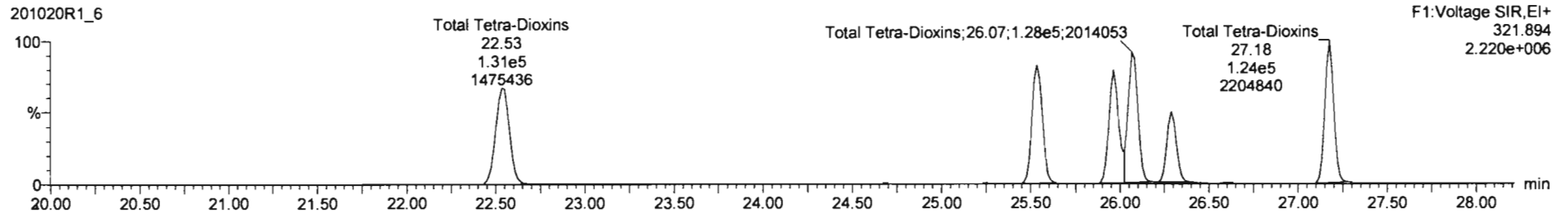
Name: 201020R1\_6, Date: 20-Oct-2020, Time: 13:01:38, ID: ST201020R1\_6 1613 CS3 20F1105, Description: 1613 CS3 20F1105

**2,3,7,8-TCDD**

201020R1\_6

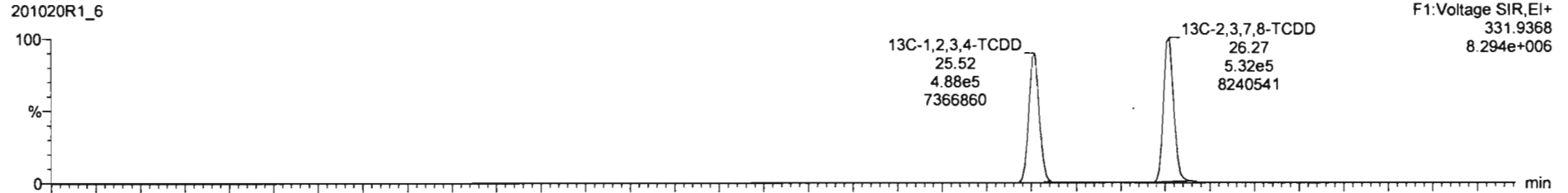


201020R1\_6

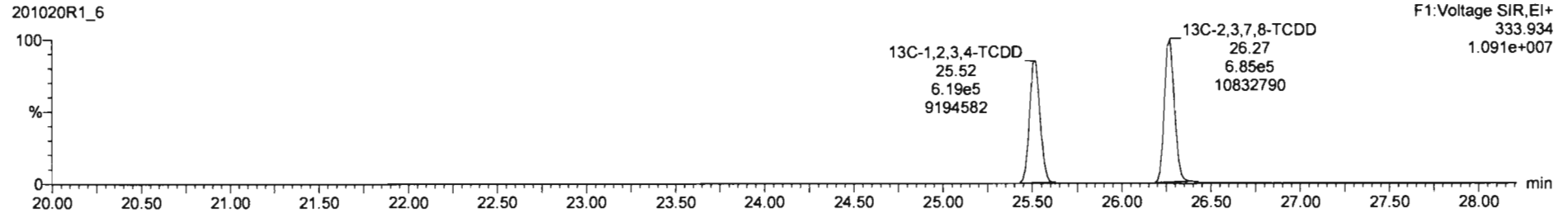


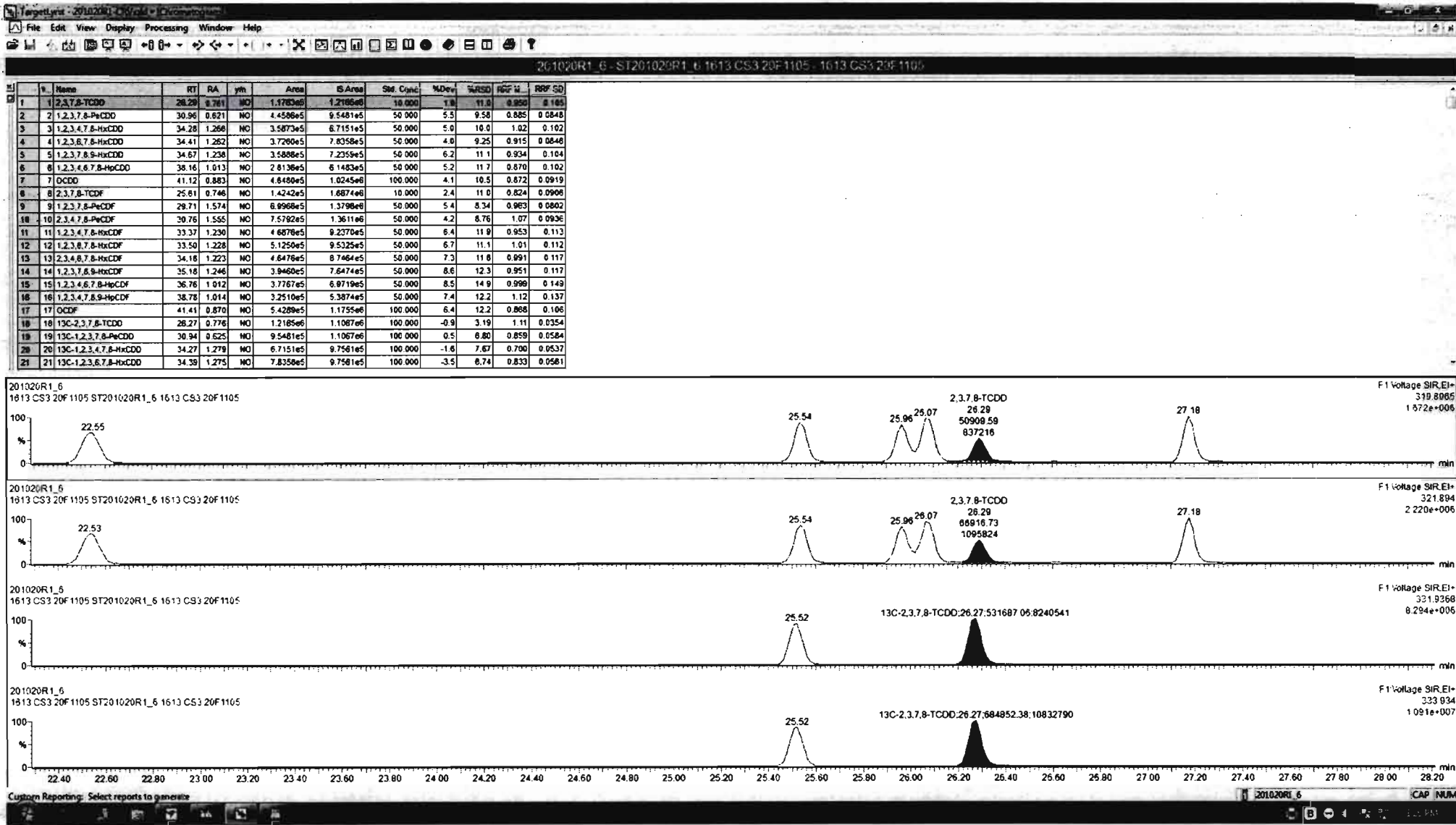
**13C-2,3,7,8-TCDD**

201020R1\_6



201020R1\_6





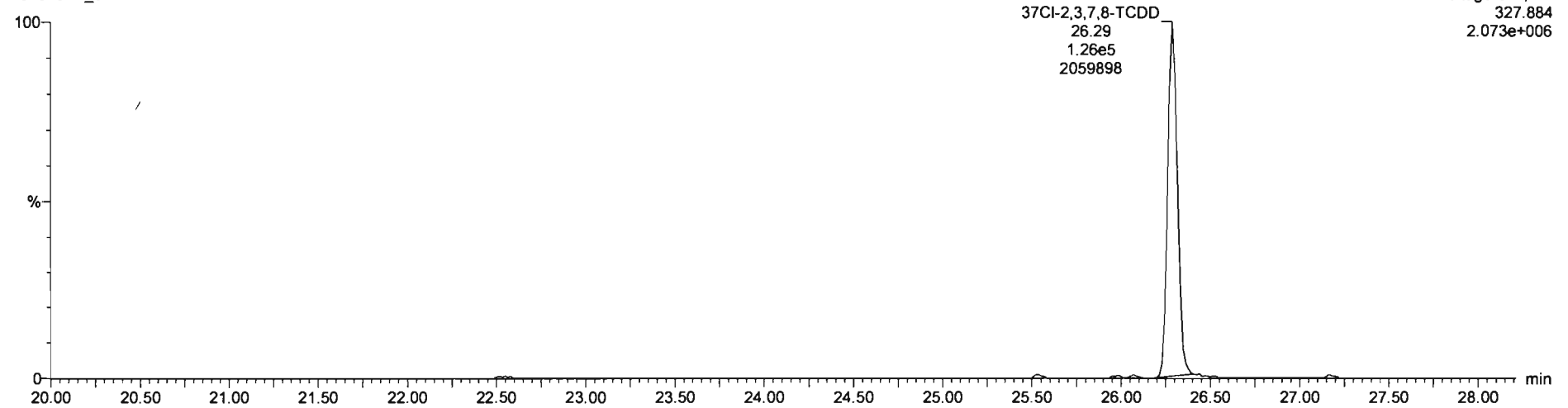
Dataset: Untitled

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\_6, Date: 20-Oct-2020, Time: 13:01:38, ID: ST201020R1\_6 1613 CS3 20F1105, Description: 1613 CS3 20F1105

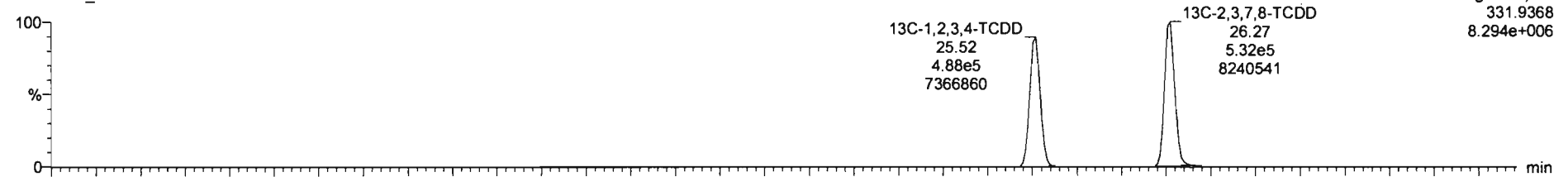
**37Cl-2,3,7,8-TCDD**

201020R1\_6

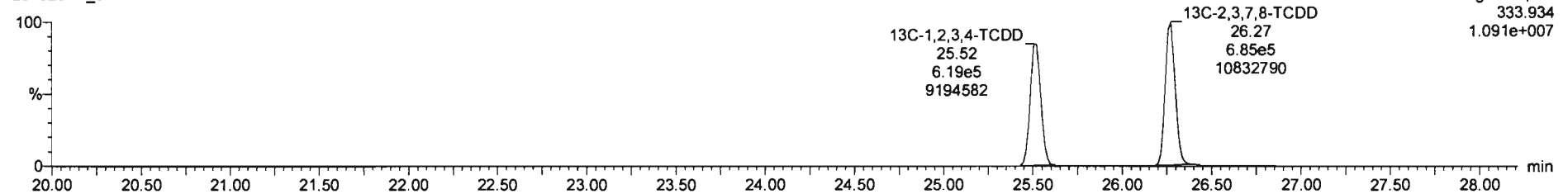


**13C-1,2,3,4-TCDD**

201020R1\_6



201020R1\_6



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

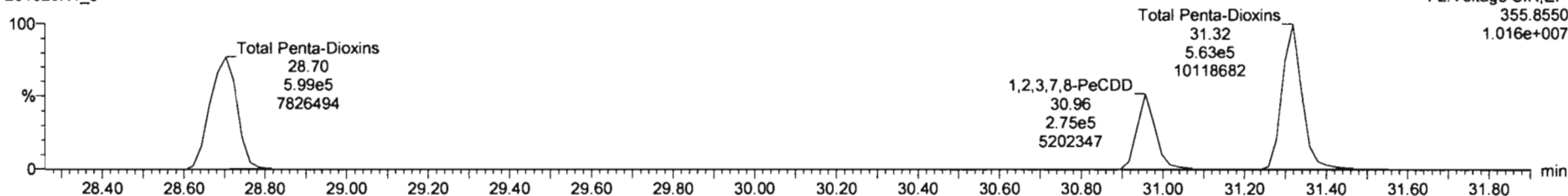
Name: 201020R1\_6, Date: 20-Oct-2020, Time: 13:01:38, ID: ST201020R1\_6 1613 CS3 20F1105, Description: 1613 CS3 20F1105

**1,2,3,7,8-PeCDD**

201020R1\_6

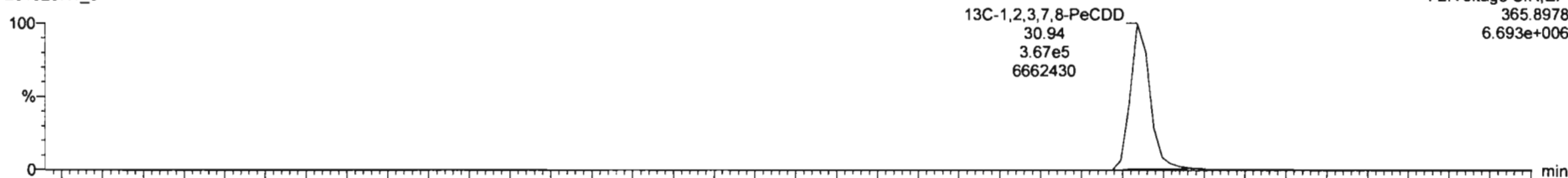


201020R1\_6

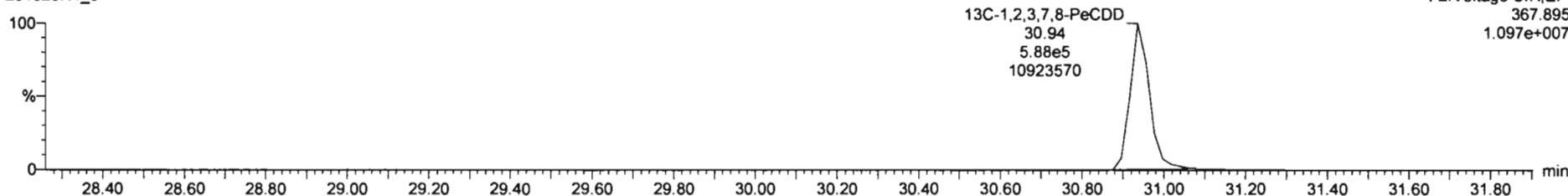


**13C-1,2,3,7,8-PeCDD**

201020R1\_6



201020R1\_6



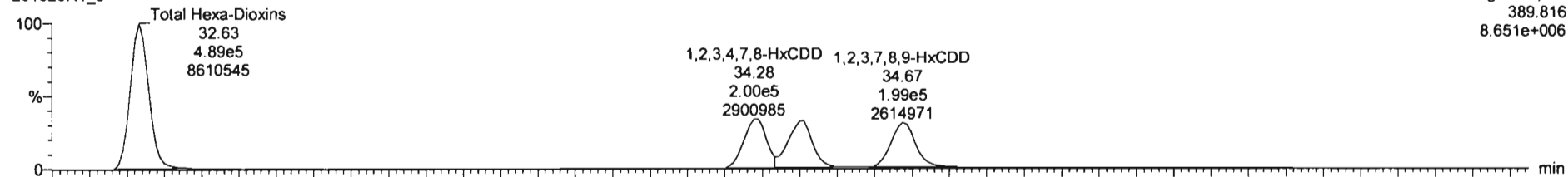
Dataset: Untitled

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

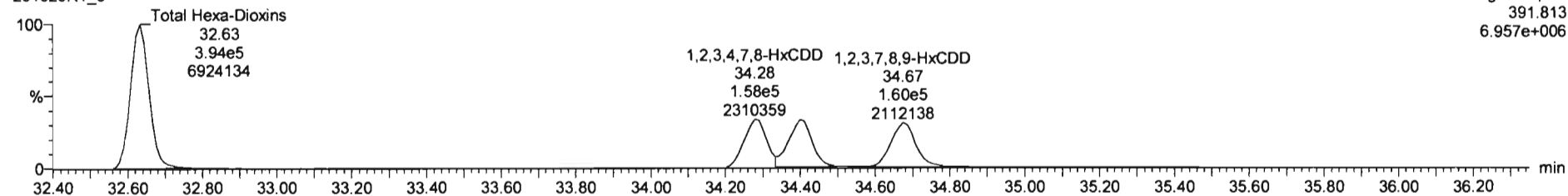
Name: 201020R1\_6, Date: 20-Oct-2020, Time: 13:01:38, ID: ST201020R1\_6 1613 CS3 20F1105, Description: 1613 CS3 20F1105

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

201020R1\_6

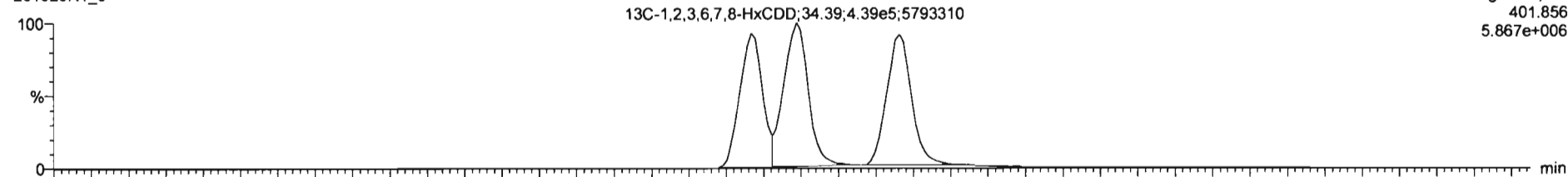


201020R1\_6

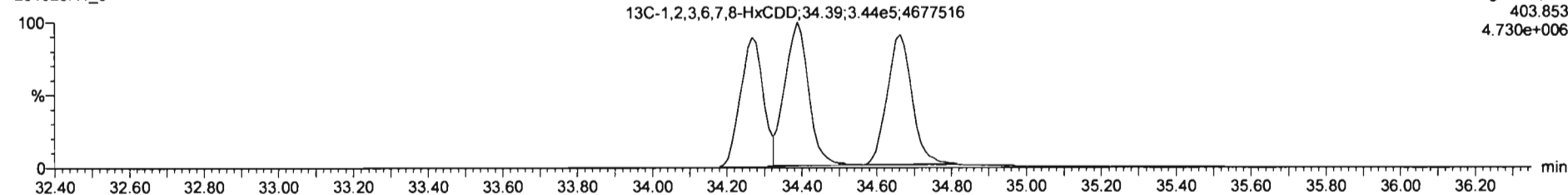


13C-1,2,3,4,7,8-HxCDD

201020R1\_6



201020R1\_6



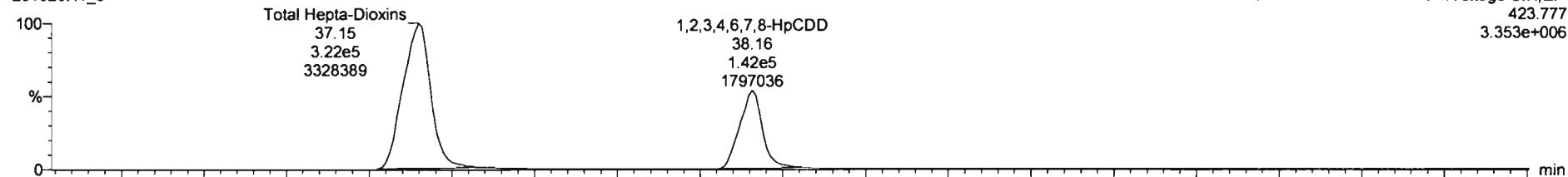
Dataset: Untitled

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\_6, Date: 20-Oct-2020, Time: 13:01:38, ID: ST201020R1\_6 1613 CS3 20F1105, Description: 1613 CS3 20F1105

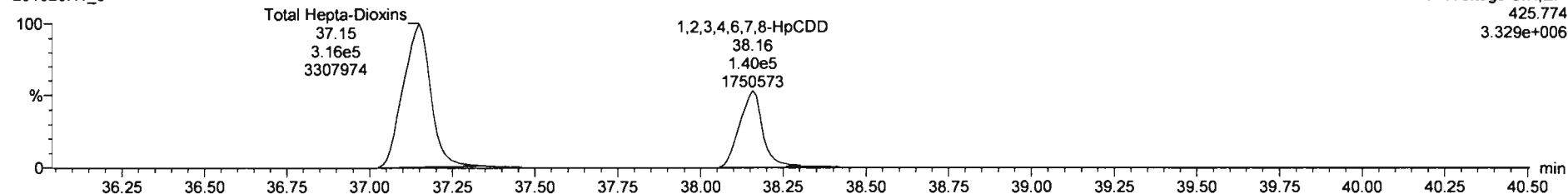
1,2,3,4,6,7,8-HpCDD

201020R1\_6



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

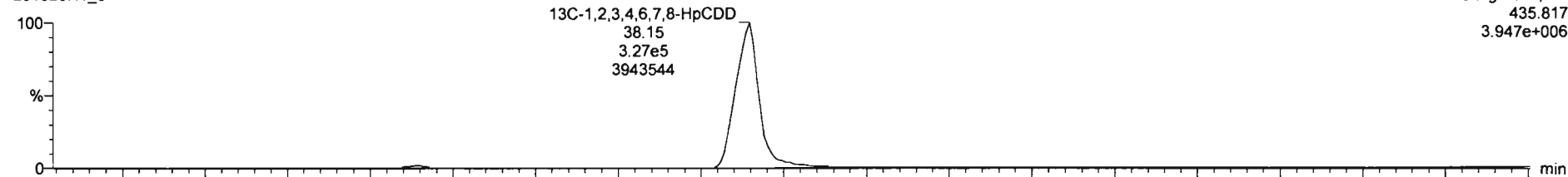
201020R1\_6



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

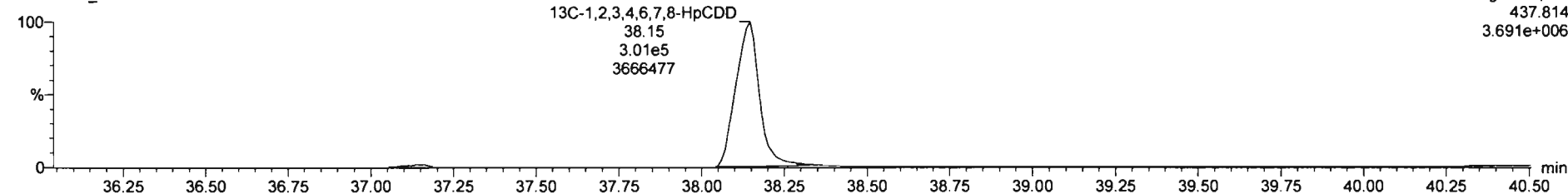
13C-1,2,3,4,6,7,8-HpCDD

201020R1\_6

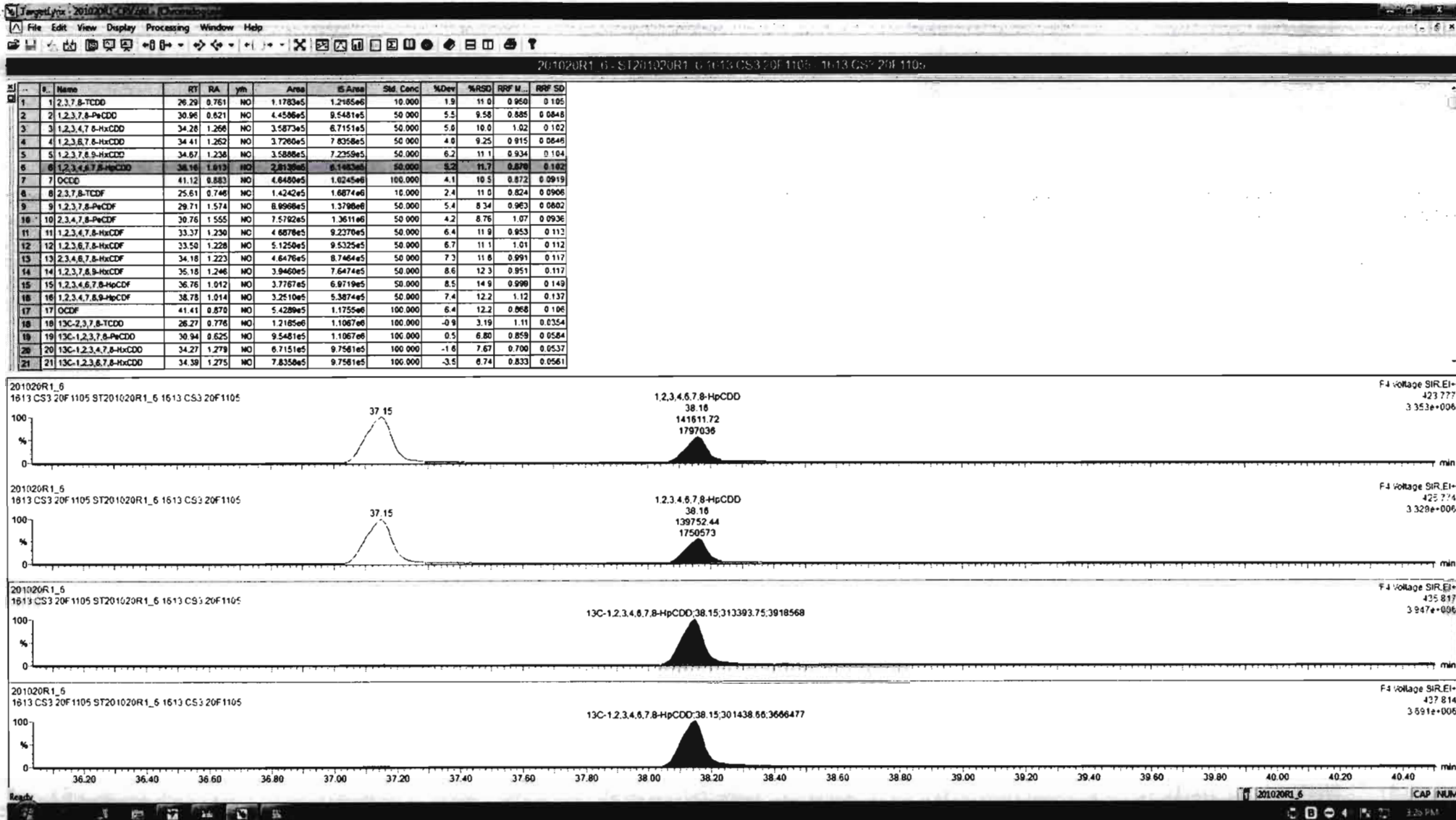


F4: Voltage SIR, EI+  
435.817  
3.947e+006

201020R1\_6



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

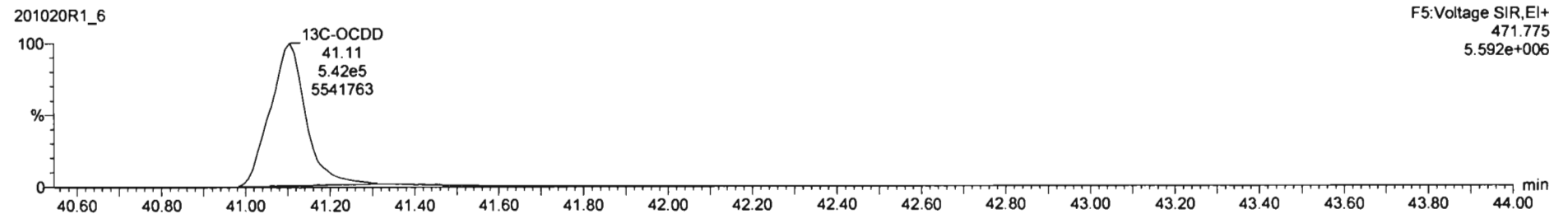
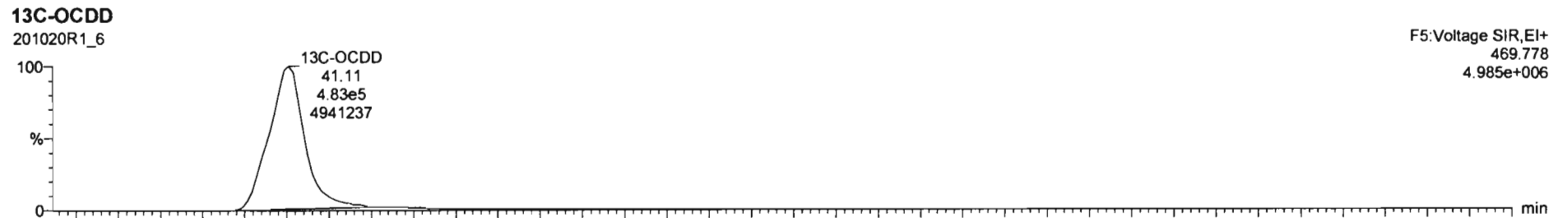
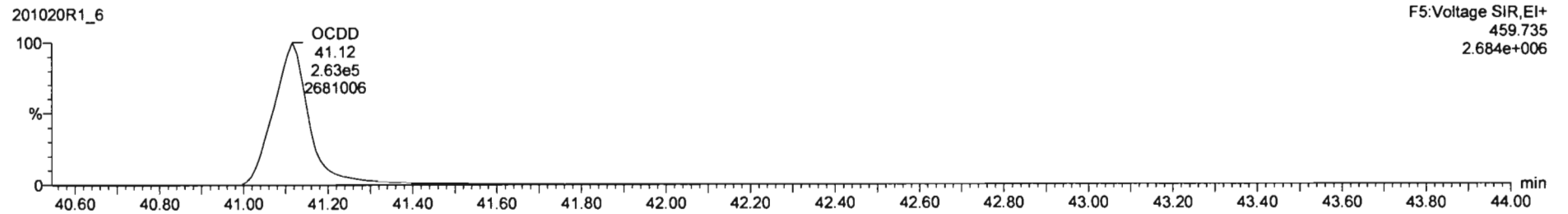
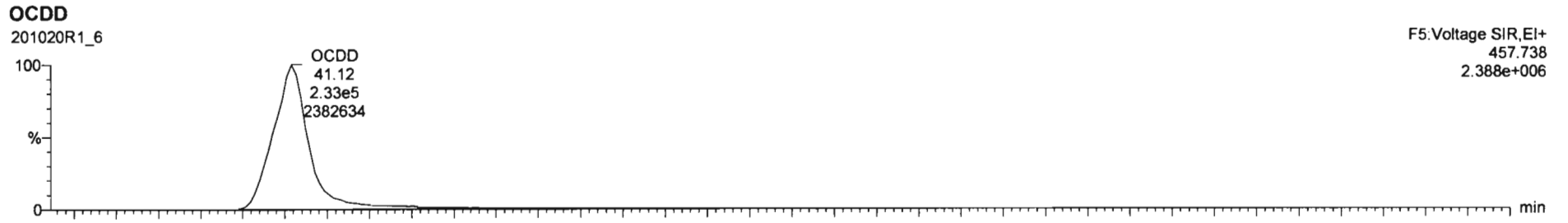


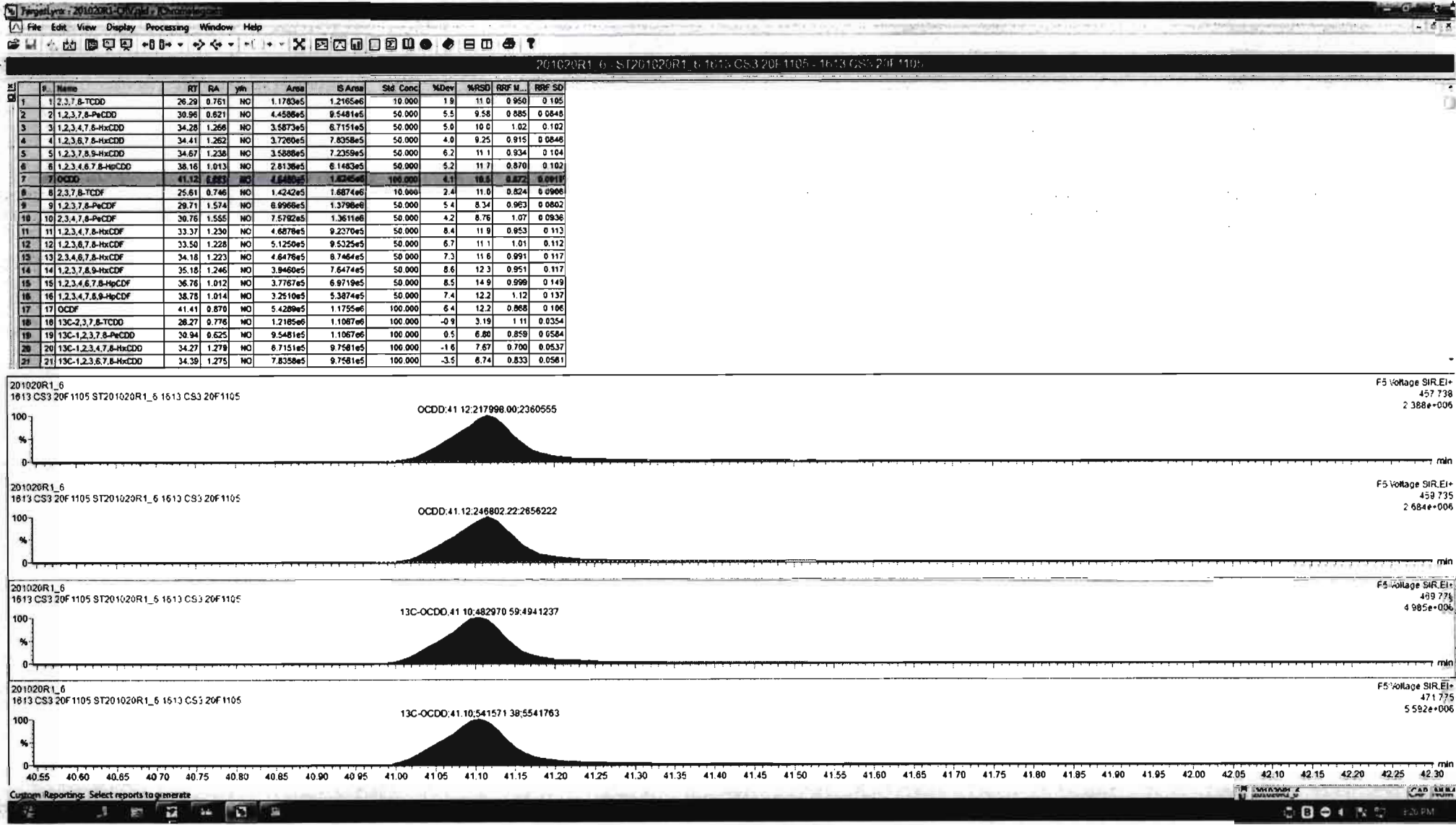


Dataset: Untitled

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\_6, Date: 20-Oct-2020, Time: 13:01:38, ID: ST201020R1\_6 1613 CS3 20F1105, Description: 1613 CS3 20F1105





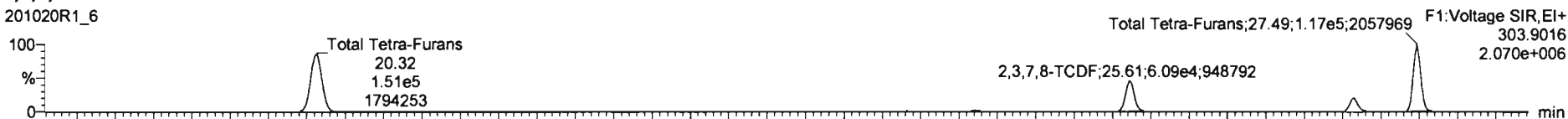
Dataset: Untitled

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

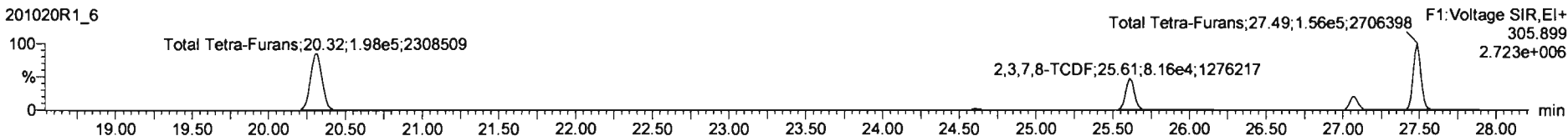
Name: 201020R1\_6, Date: 20-Oct-2020, Time: 13:01:38, ID: ST201020R1\_6 1613 CS3 20F1105, Description: 1613 CS3 20F1105

### 2,3,7,8-TCDF

201020R1\_6

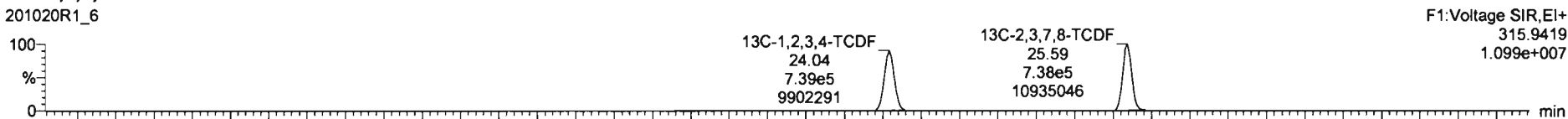


201020R1\_6

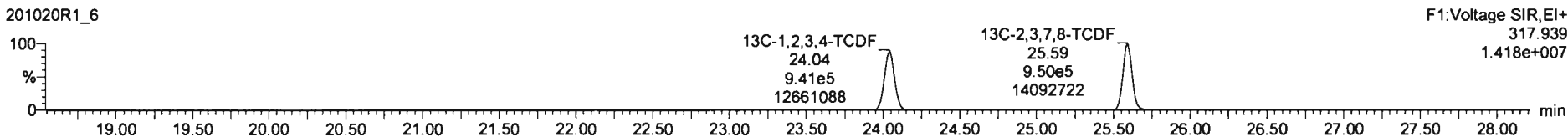


### 13C-2,3,7,8-TCDF

201020R1\_6

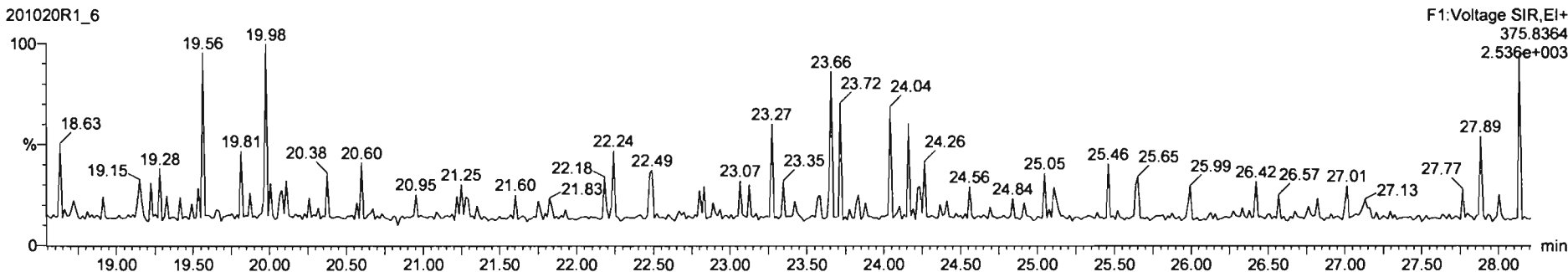


201020R1\_6



### DPE1

201020R1\_6



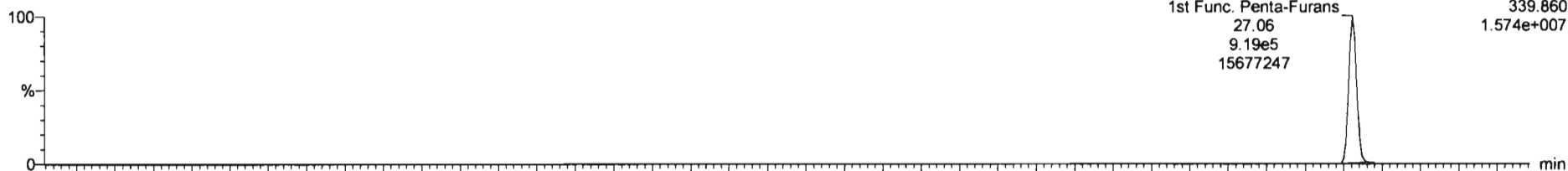
Dataset: Untitled

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

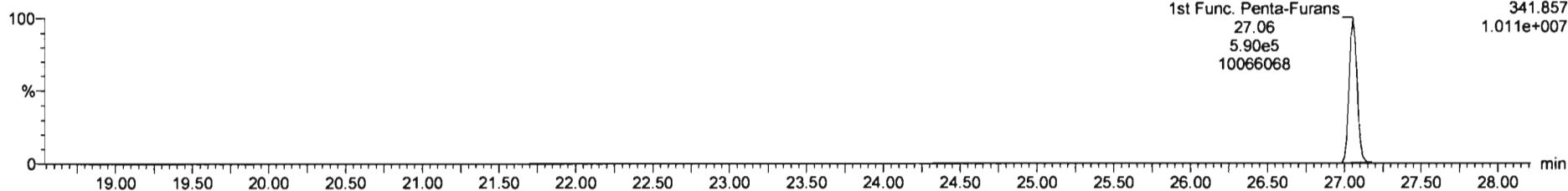
Name: 201020R1\_6, Date: 20-Oct-2020, Time: 13:01:38, ID: ST201020R1\_6 1613 CS3 20F1105, Description: 1613 CS3 20F1105

1st Func. Penta-Furans

201020R1\_6

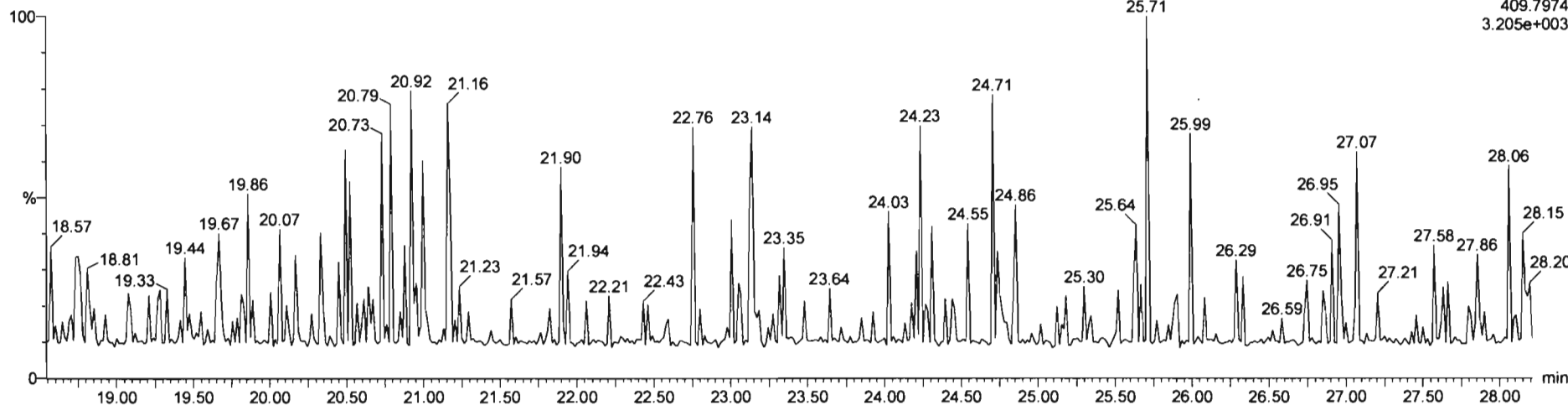


201020R1\_6



DPE6

201020R1\_6



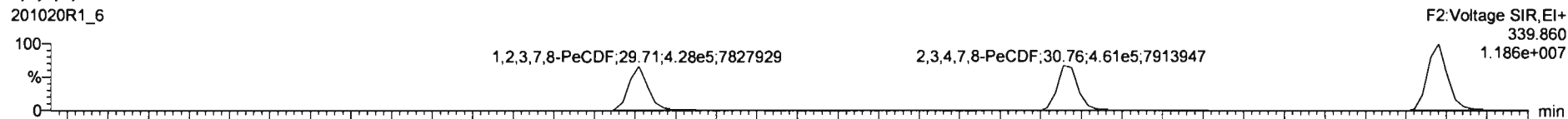
Dataset: Untitled

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

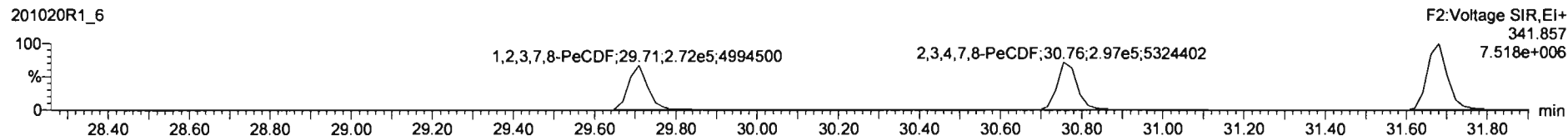
Name: 201020R1\_6, Date: 20-Oct-2020, Time: 13:01:38, ID: ST201020R1\_6 1613 CS3 20F1105, Description: 1613 CS3 20F1105

**1,2,3,7,8-PeCDF**

201020R1\_6

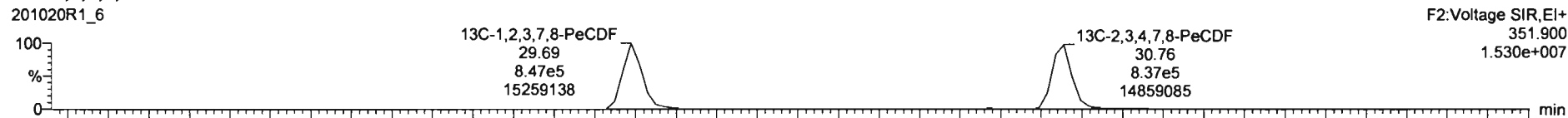


201020R1\_6

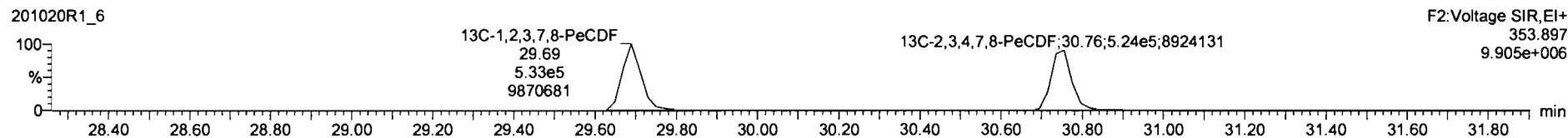


**13C-1,2,3,7,8-PeCDF**

201020R1\_6

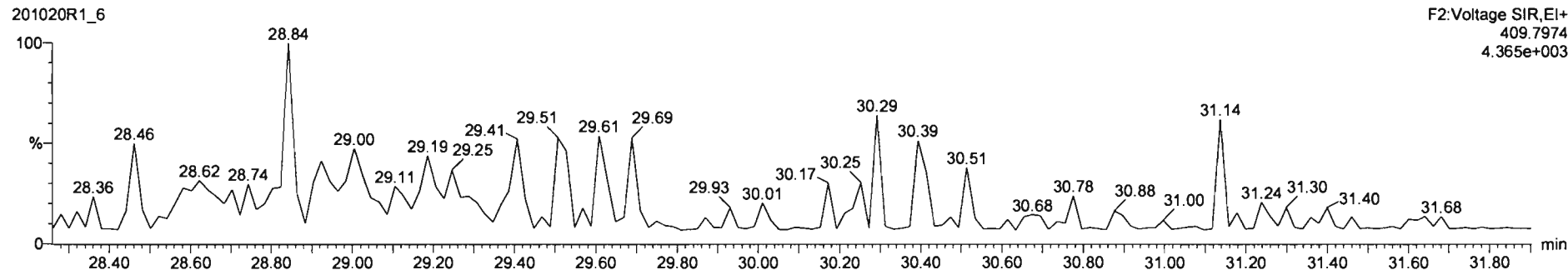


201020R1\_6



**DPE2**

201020R1\_6

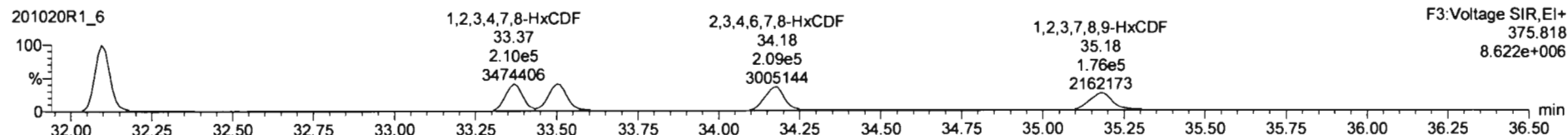
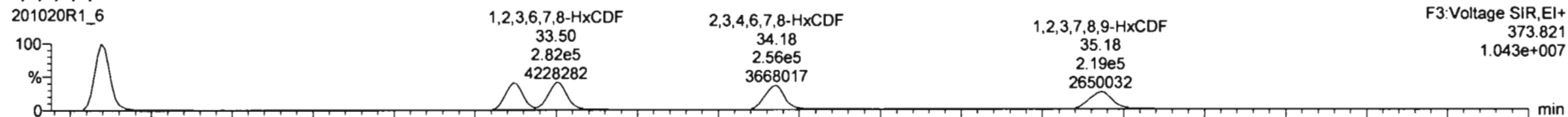


Dataset: Untitled

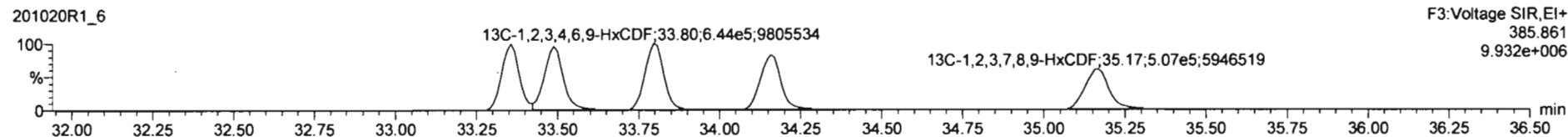
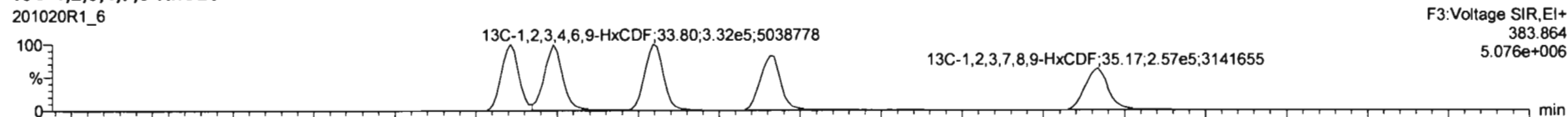
Last Altered: Tuesday, October 20, 2020 15:17:40 Pacific Daylight Time  
Printed: Tuesday, October 20, 2020 15:18:47 Pacific Daylight Time

Name: 201020R1\_6, Date: 20-Oct-2020, Time: 13:01:38, ID: ST201020R1\_6 1613 CS3 20F1105, Description: 1613 CS3 20F1105

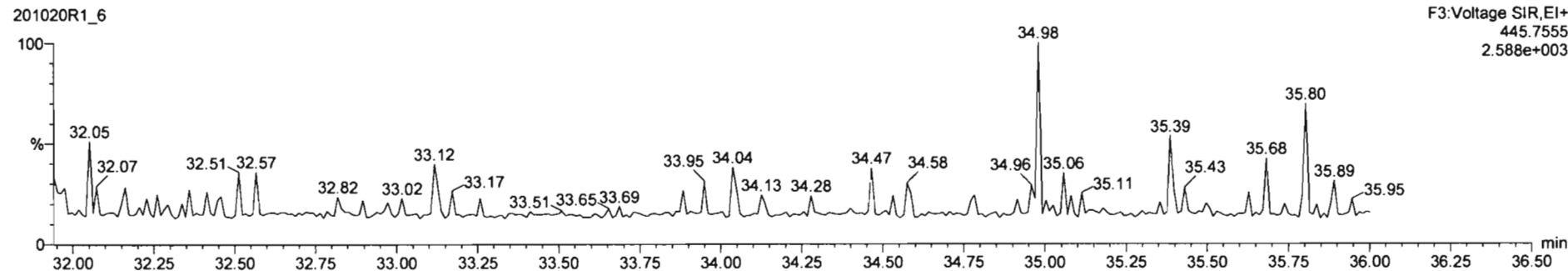
**1,2,3,4,7,8-HxCDF**



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



**DPE3**

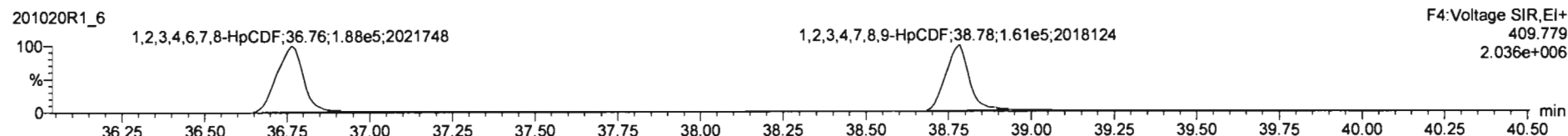
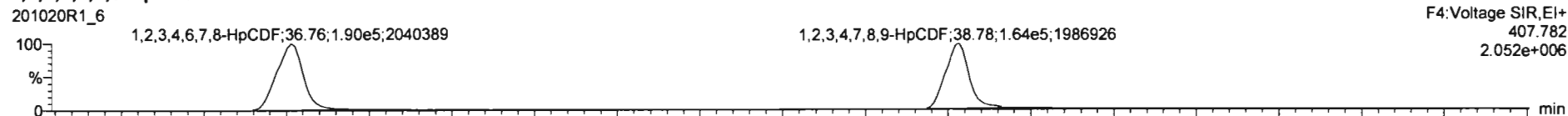


Dataset: Untitled

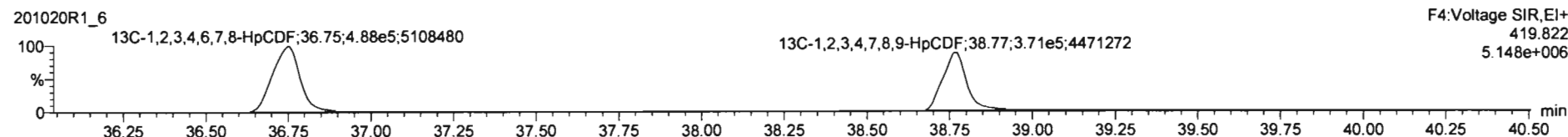
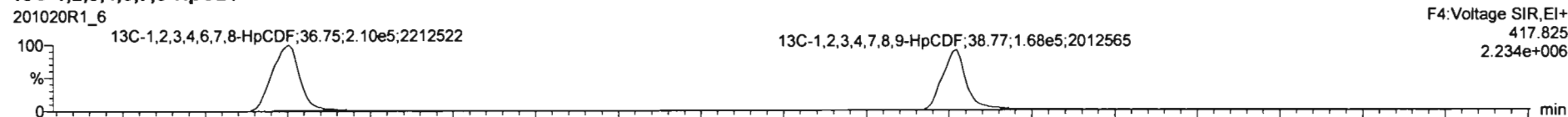
Last Altered: Tuesday, October 20, 2020 15:17:40 Pacific Daylight Time  
Printed: Tuesday, October 20, 2020 15:18:47 Pacific Daylight Time

Name: 201020R1\_6, Date: 20-Oct-2020, Time: 13:01:38, ID: ST201020R1\_6 1613 CS3 20F1105, Description: 1613 CS3 20F1105

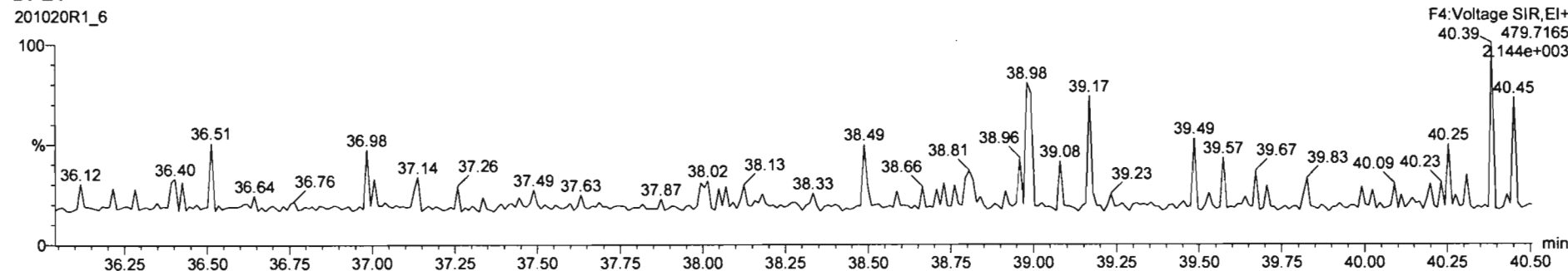
**1,2,3,4,6,7,8-HpCDF**



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



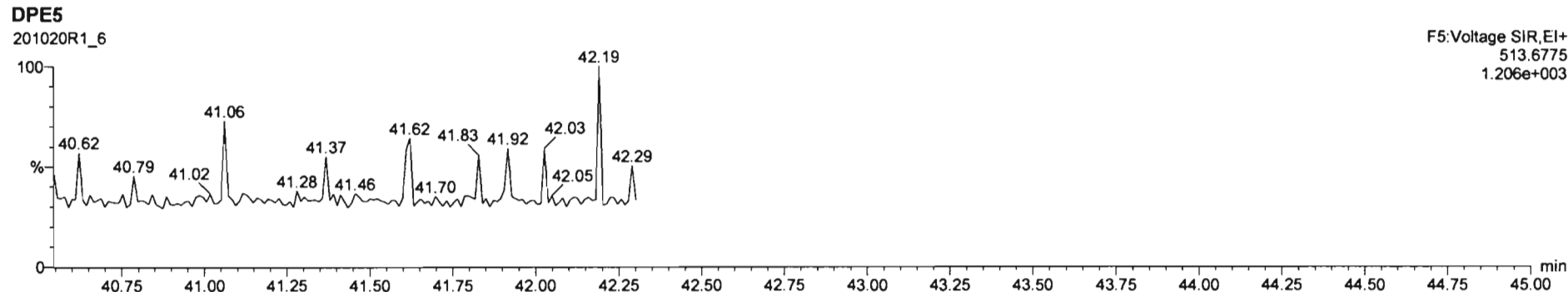
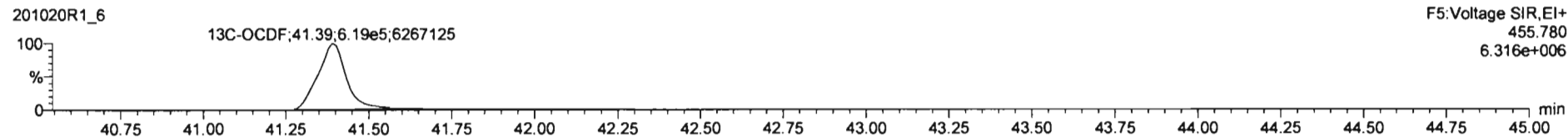
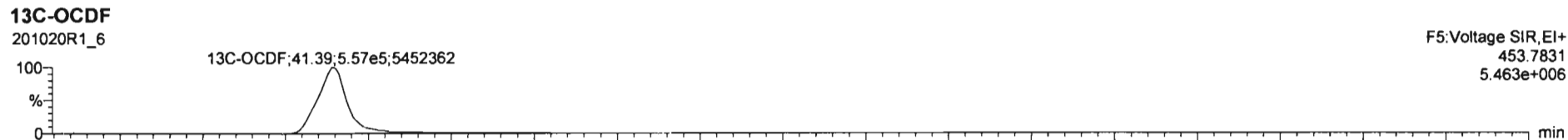
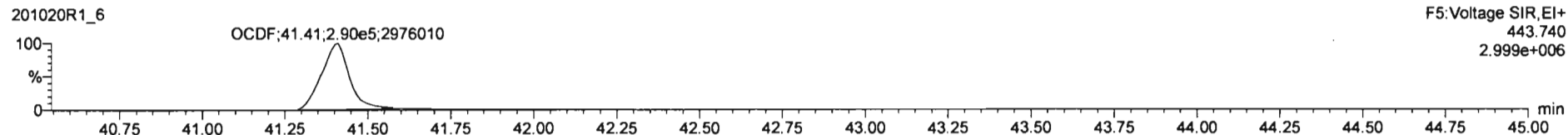
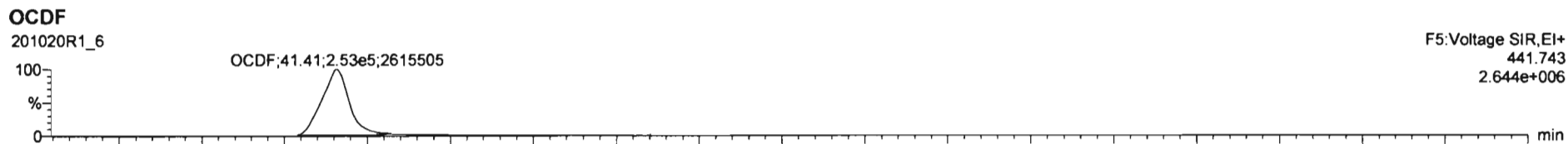
**DPE4**



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\_6, Date: 20-Oct-2020, Time: 13:01:38, ID: ST201020R1\_6 1613 CS3 20F1105, Description: 1613 CS3 20F1105

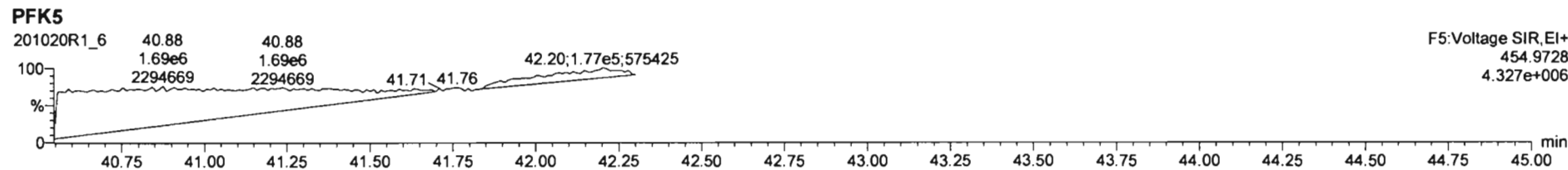
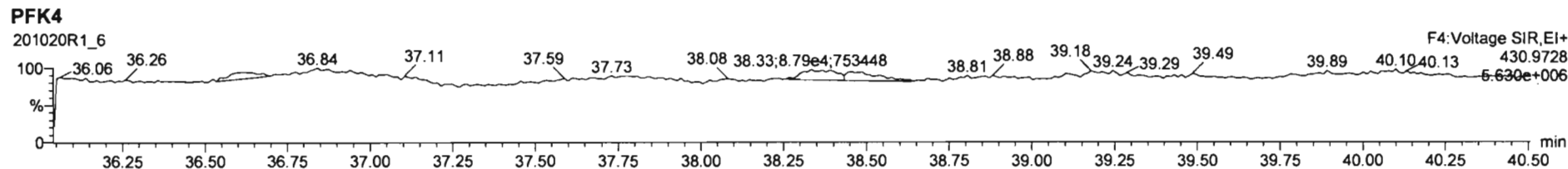
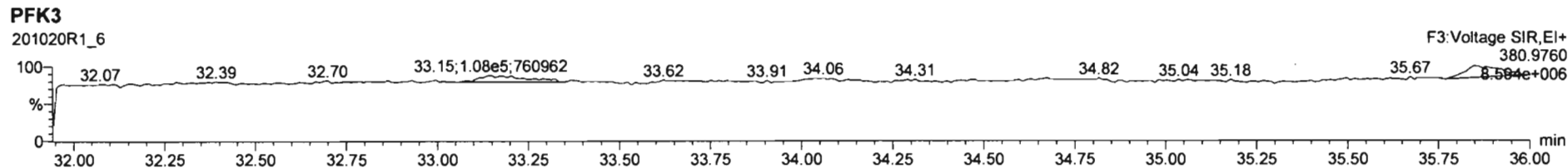
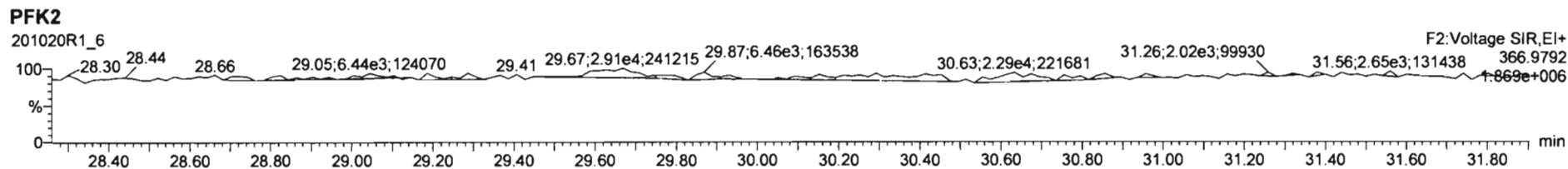
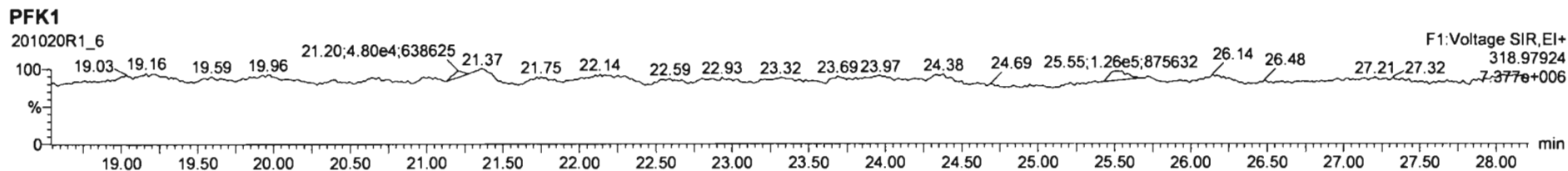




Dataset: Untitled

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\_6, Date: 20-Oct-2020, Time: 13:01:38, ID: ST201020R1\_6 1613 CS3 20F1105, Description: 1613 CS3 20F1105



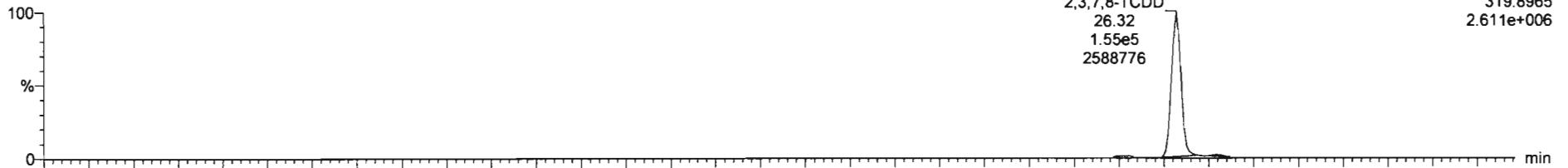
Dataset: Untitled

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

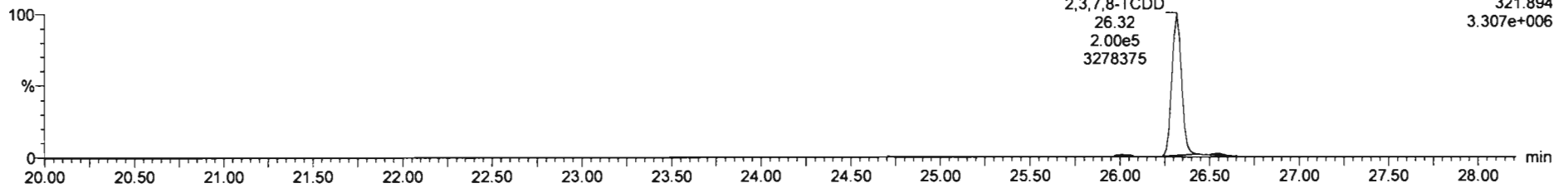
Name: 201020R1\_4, Date: 20-Oct-2020, Time: 11:32:31, ID: ST201020R1\_4 1613 CS4 20F1106, Description: 1613 CS4 20F1106

**2,3,7,8-TCDD**

201020R1\_4

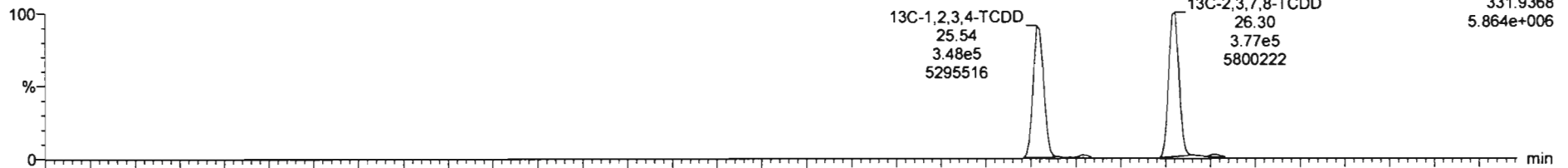


201020R1\_4

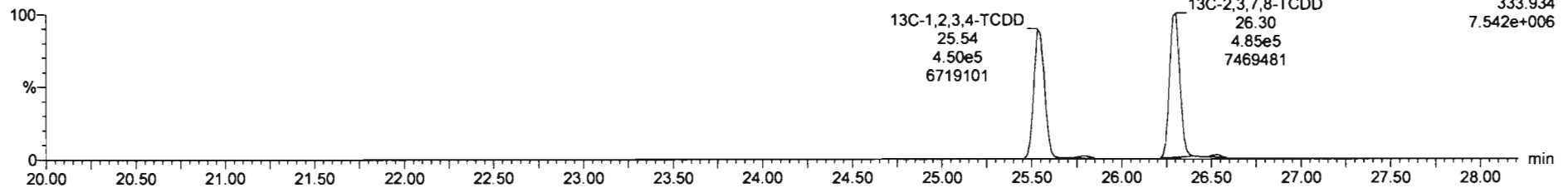


**13C-2,3,7,8-TCDD**

201020R1\_4



201020R1\_4



Dataset: Untitled

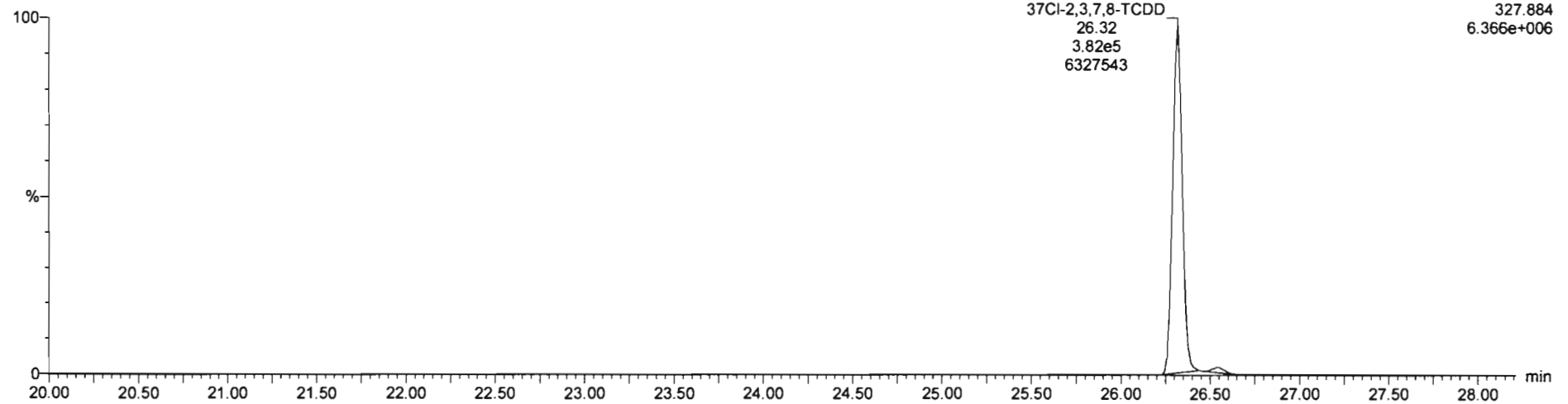
Last Altered: Tuesday, October 20, 2020 15:17:40 Pacific Daylight Time

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

Name: 201020R1\_4; Date: 20-Oct-2020, Time: 11:32:31, ID: ST201020R1\_4 1613 CS4 20F1106, Description: 1613 CS4 20F1106

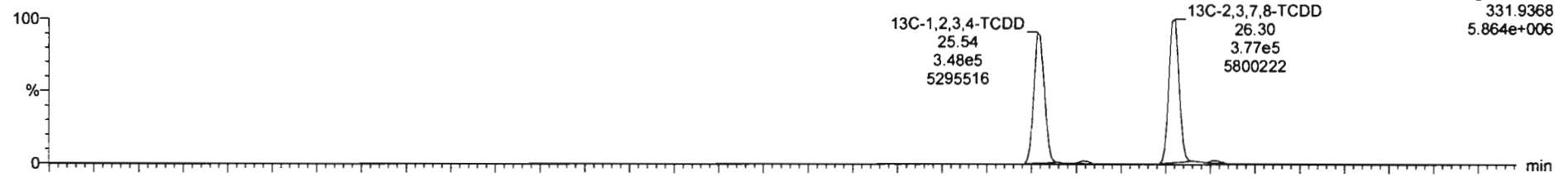
**37Cl-2,3,7,8-TCDD**

201020R1\_4

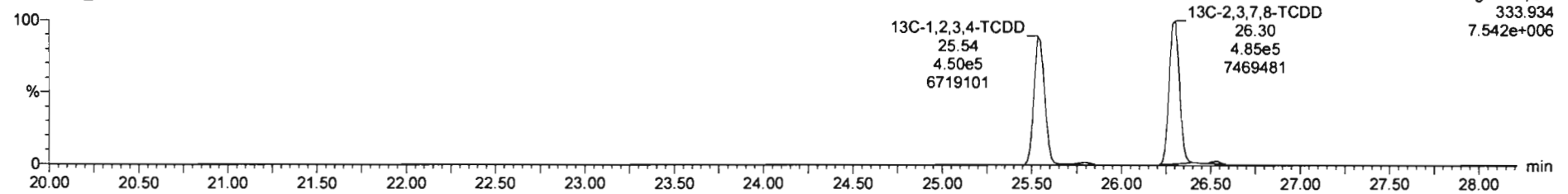


**13C-1,2,3,4-TCDD**

201020R1\_4



201020R1\_4



Dataset: Untitled

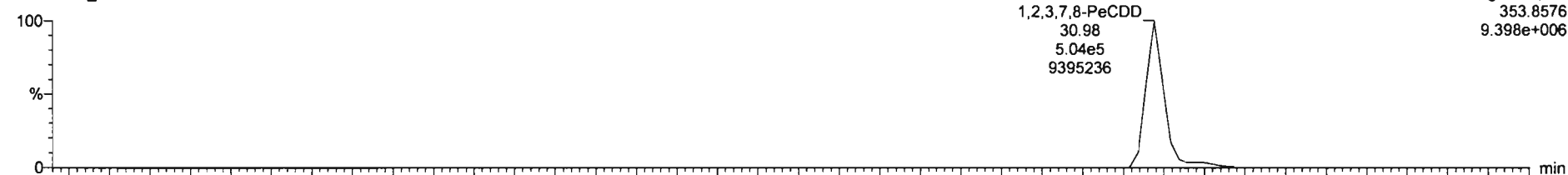
Last Altered: Tuesday, October 20, 2020 15:17:40 Pacific Daylight Time

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

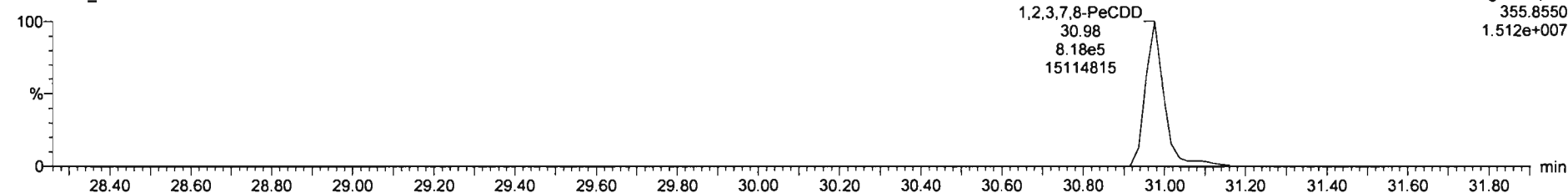
Name: 201020R1\_4, Date: 20-Oct-2020, Time: 11:32:31, ID: ST201020R1\_4 1613 CS4 20F1106, Description: 1613 CS4 20F1106

**1,2,3,7,8-PeCDD**

201020R1\_4



201020R1\_4

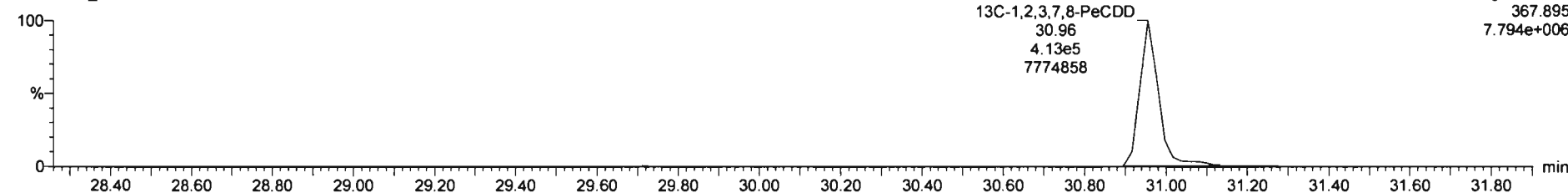


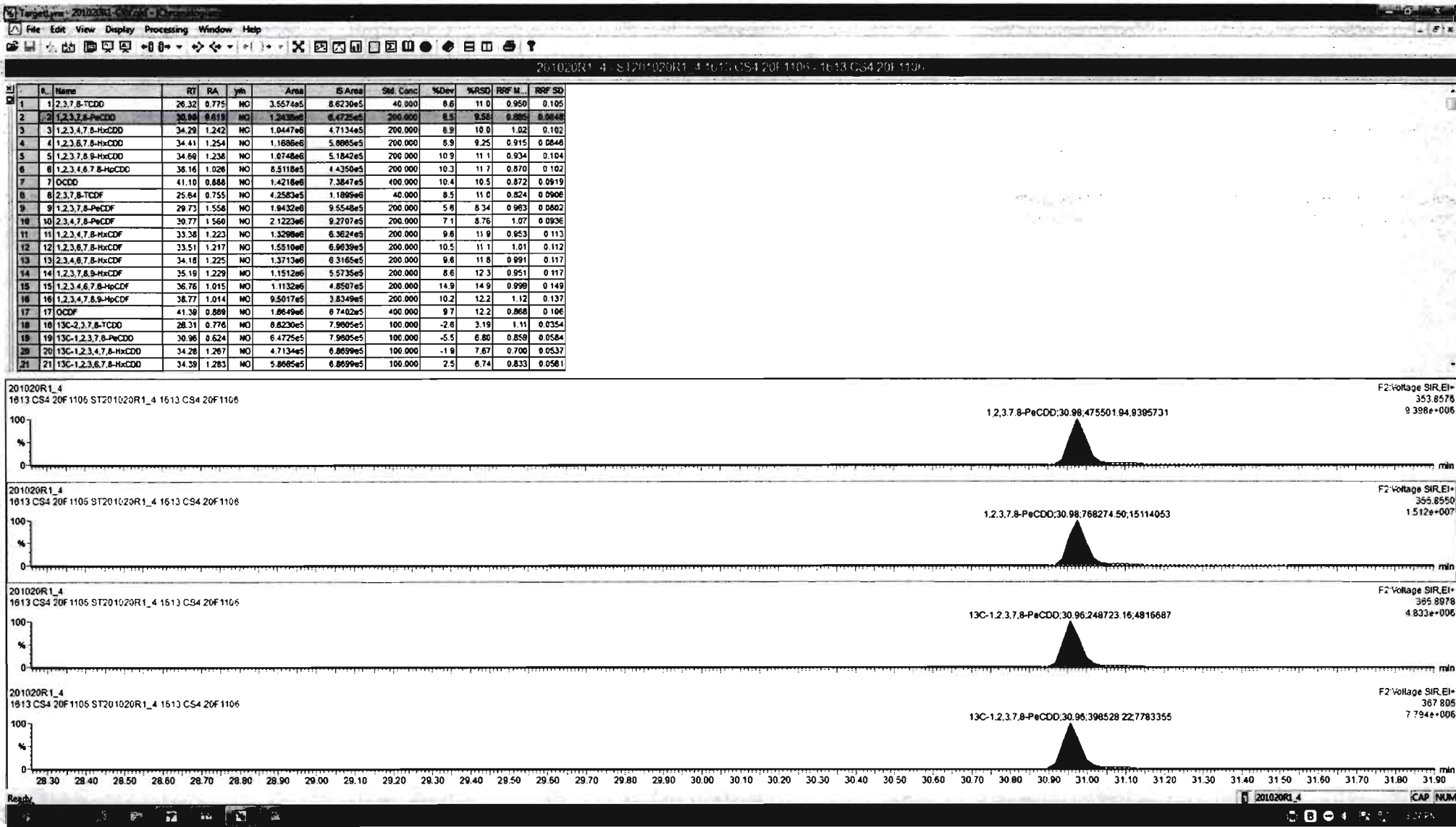
**13C-1,2,3,7,8-PeCDD**

201020R1\_4



201020R1\_4





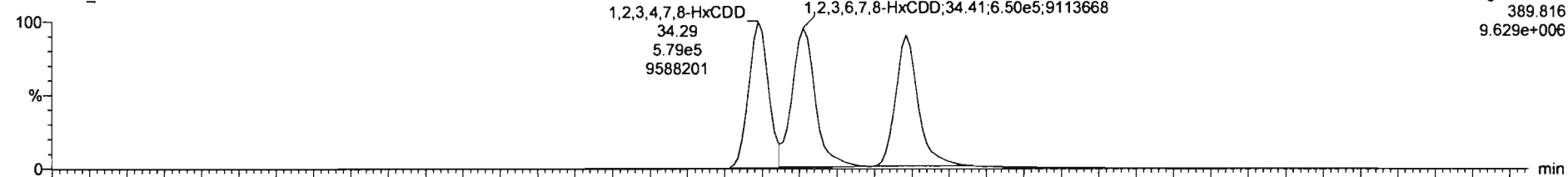
Dataset: Untitled

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

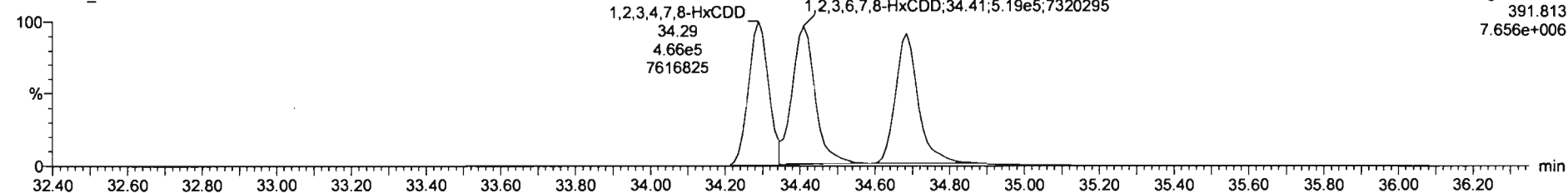
Name: 201020R1\_4, Date: 20-Oct-2020, Time: 11:32:31, ID: ST201020R1\_4 1613 CS4 20F1106, Description: 1613 CS4 20F1106

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

201020R1\_4

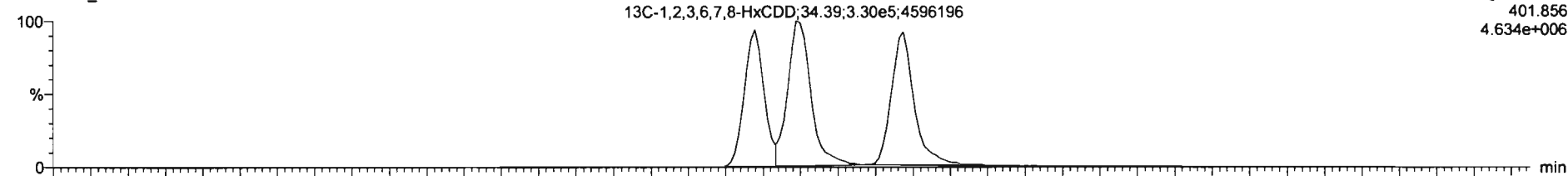


201020R1\_4

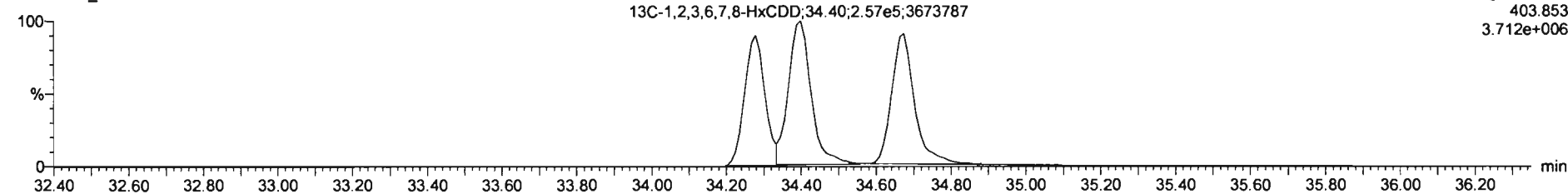


13C-1,2,3,4,7,8-HxCDD

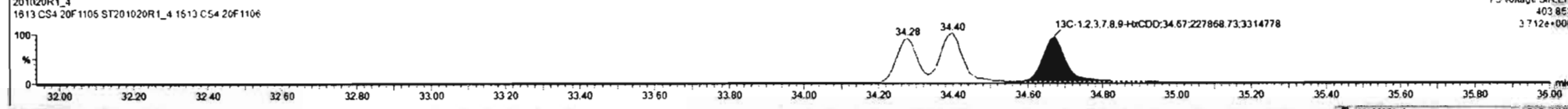
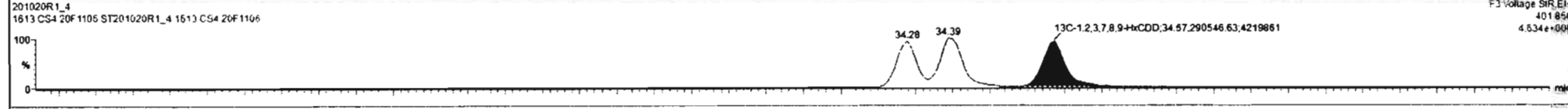
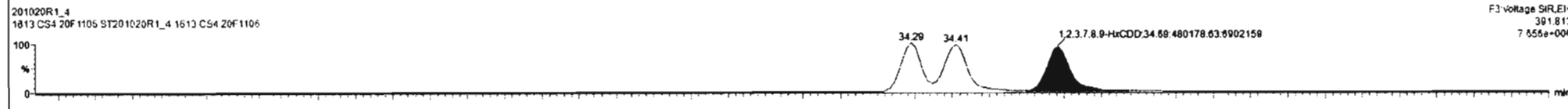
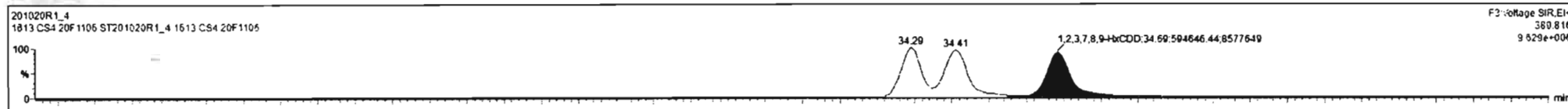
201020R1\_4



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	8.6	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	5.1824e5	200.000	10.8	11.1	0.934	0.1884
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



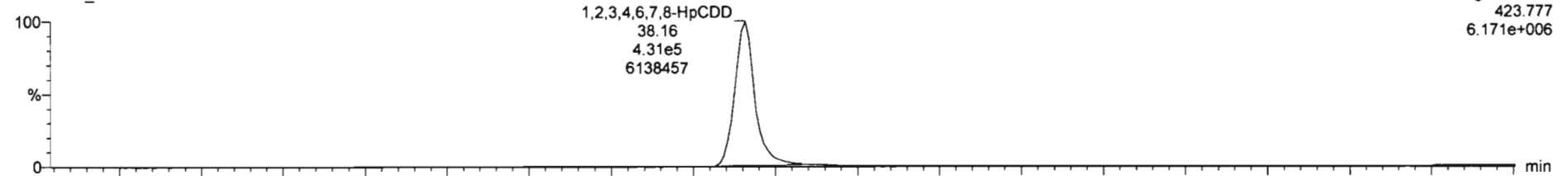
Dataset: Untitled

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

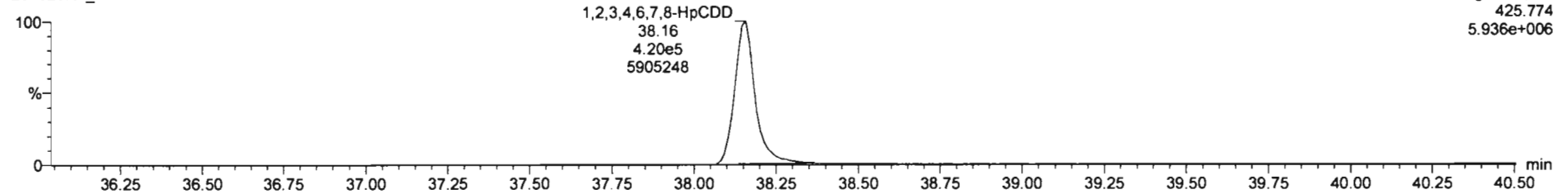
Name: 201020R1\_4, Date: 20-Oct-2020, Time: 11:32:31, ID: ST201020R1\_4 1613 CS4 20F1106, Description: 1613 CS4 20F1106

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

201020R1\_4

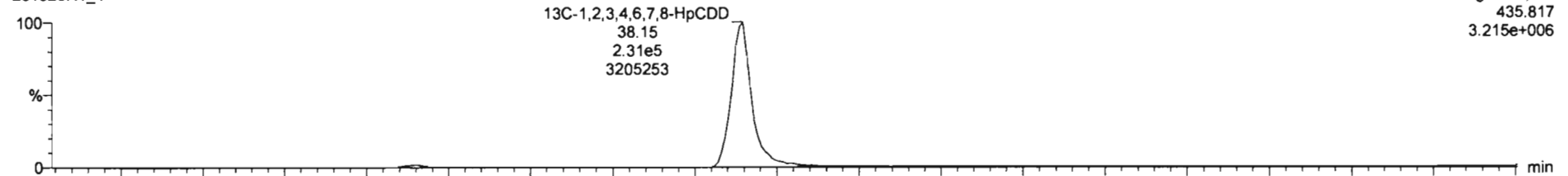


201020R1\_4

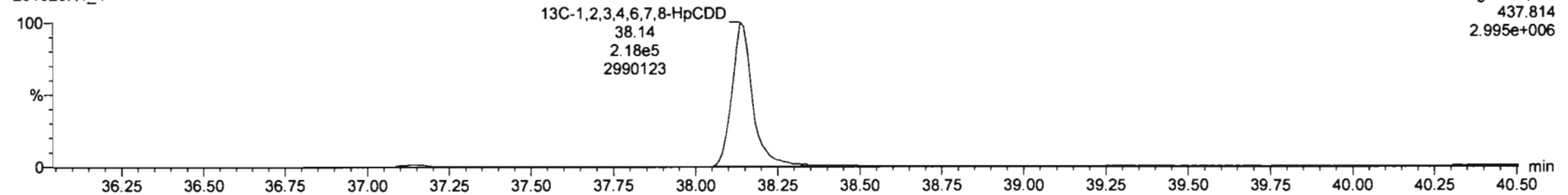


**13C-1,2,3,4,6,7,8-HpCDD**

201020R1\_4

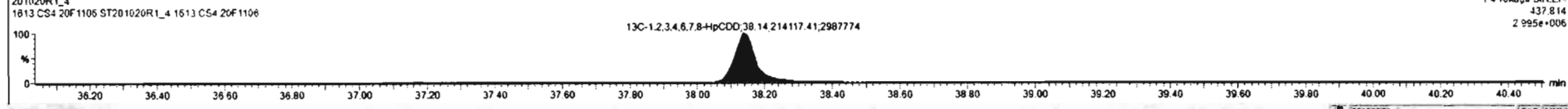
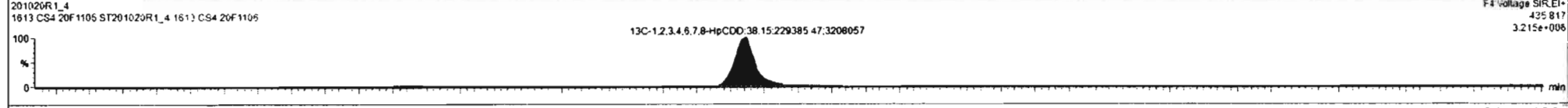
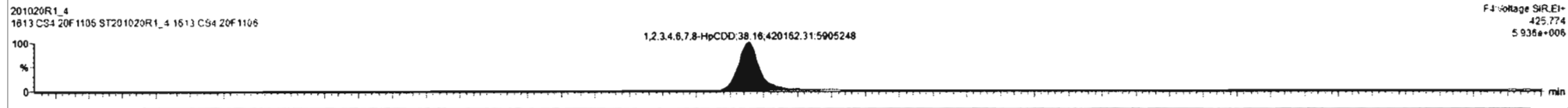
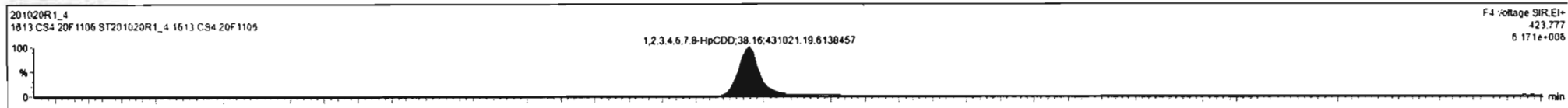


201020R1\_4





#	RT	Name	RT	RA	Yth	Area	IS Area	Std Conc	%Dev	%RSD	RRF M.	RRF SD
1	26.32	1,2,3,7,8-TCDD	0.775	NO		3.5574e5	8.6230e5	40.000	8.8	11.0	0.950	0.185
2	30.98	1,2,3,7,8-PeCDD	0.619	NO		1.2438e6	6.4725e5	200.000	8.5	9.58	0.585	0.0648
3	34.29	1,2,3,4,7,8-HxCDD	1.242	NO		1.0447e6	4.7134e5	200.000	8.9	10.0	1.02	0.102
4	34.41	1,2,3,6,7,8-HxCDD	1.254	NO		1.1898e6	5.8685e5	200.000	8.9	9.25	0.915	0.0846
5	34.63	1,2,3,7,8,9-HxCDD	1.238	NO		1.0748e6	5.1842e5	200.000	10.9	11.1	0.934	0.164
6	38.18	1,2,3,4,6,7,8-HpCDD	1.628	NO		8.5118e5	4.4390e5	200.000	10.3	11.7	0.878	0.182
7	41.10	OCDD	8.888	NO		1.4218e6	7.3847e5	400.000	10.4	10.5	0.872	0.0919
8	25.84	2,3,7,8-TCDF	0.755	NO		4.2583e5	1.1899e6	40.000	8.5	11.0	0.824	0.0906
9	29.73	1,2,3,7,8-PeCDF	1.556	NO		1.9432e6	9.5548e5	200.000	5.8	8.34	0.983	0.0802
10	30.77	2,3,4,7,8-PeCDF	1.560	NO		2.1223e6	9.2707e5	200.000	7.1	8.76	1.07	0.0936
11	33.38	1,2,3,4,7,8-HxCDF	1.223	NO		1.3298e6	6.3824e5	200.000	9.8	11.9	0.953	0.113
12	33.51	1,2,3,6,7,8-HxCDF	1.217	NO		1.5510e6	8.9639e5	200.000	10.5	11.1	1.01	0.112
13	34.18	2,3,4,6,7,8-HxCDF	1.225	NO		1.3713e6	6.3165e5	200.000	9.8	11.8	0.991	0.117
14	35.19	1,2,3,7,8,9-HxCDF	1.229	NO		1.1512e6	5.5735e5	200.000	8.6	12.3	0.951	0.117
15	36.76	1,2,3,4,6,7,8-HpCDF	1.015	NO		1.1132e6	4.8507e5	200.000	14.9	14.9	0.998	0.149
16	38.77	1,2,3,4,7,8,9-HpCDF	1.014	NO		9.5017e5	3.6349e5	200.000	10.2	12.2	1.12	0.137
17	41.39	OCDF	8.889	NO		1.8649e6	8.7402e5	400.000	9.7	12.2	0.868	0.106
18	28.31	13C-2,3,7,8-TCDD	0.776	NO		8.6230e5	7.9605e5	100.000	-2.6	3.19	1.11	0.0354
19	30.96	13C-1,2,3,7,8-PeCDD	0.624	NO		6.4725e5	7.9605e5	100.000	-5.5	6.80	0.859	0.0584
20	34.28	13C-1,2,3,4,7,8-HxCDD	1.267	NO		4.7134e5	6.8899e5	100.000	-1.9	7.67	0.700	0.0537
21	34.39	13C-1,2,3,6,7,8-HxCDD	1.283	NO		5.8685e5	6.8899e5	100.000	2.5	6.74	0.833	0.0581



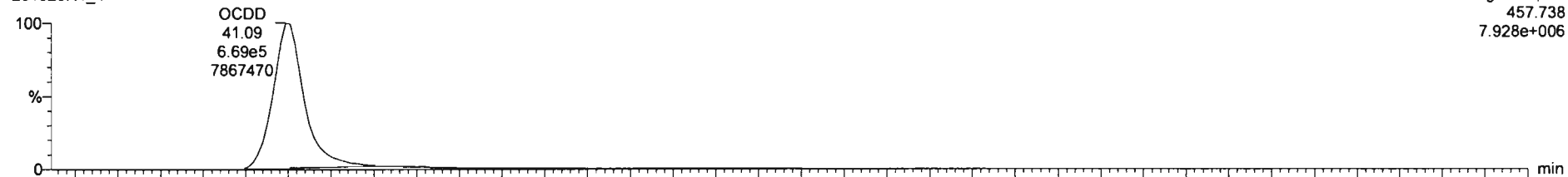
Dataset: Untitled

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

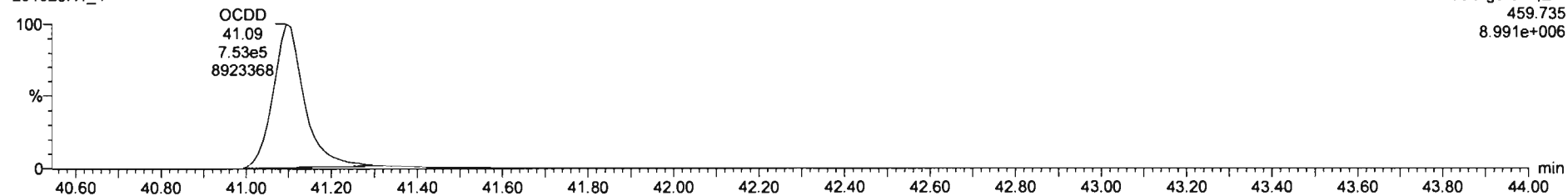
Name: 201020R1\_4, Date: 20-Oct-2020, Time: 11:32:31, ID: ST201020R1\_4 1613 CS4 20F1106, Description: 1613 CS4 20F1106

**OCDD**

201020R1\_4

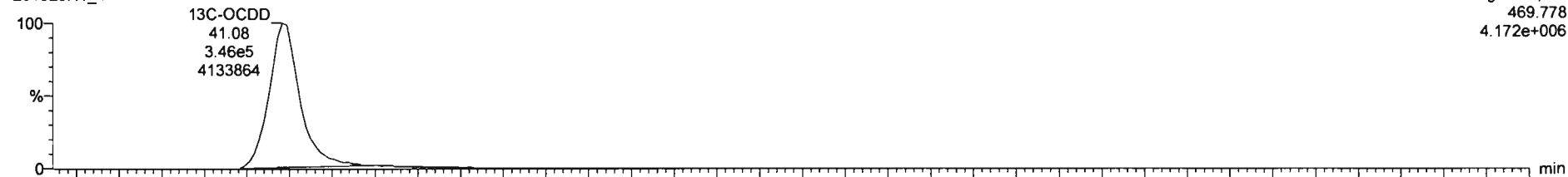


201020R1\_4

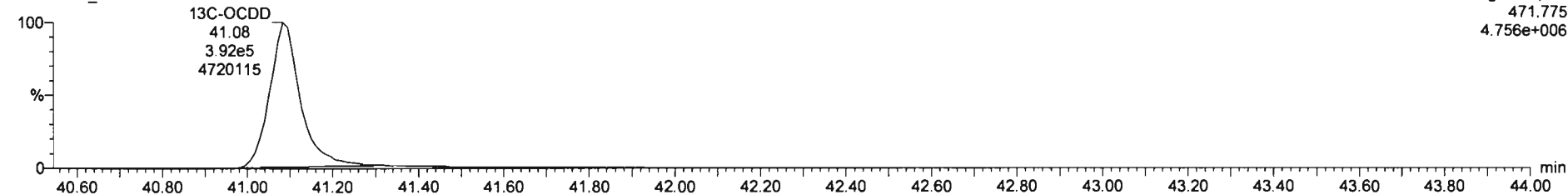


**13C-OCDD**

201020R1\_4



201020R1\_4



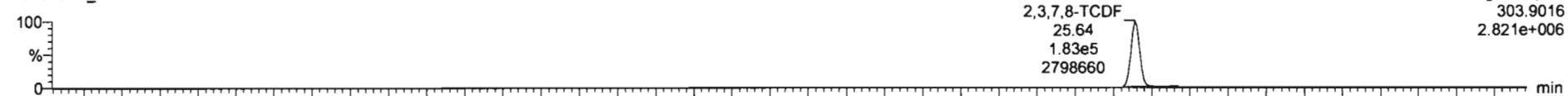
Dataset: Untitled

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

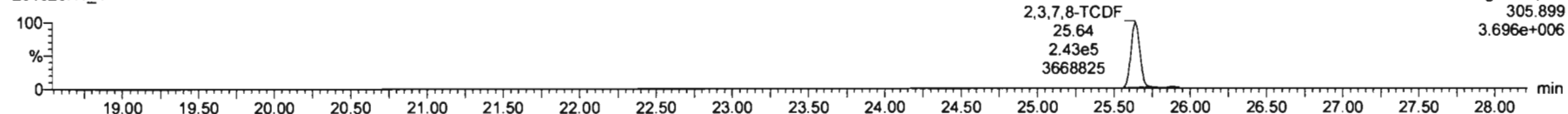
Name: 201020R1\_4, Date: 20-Oct-2020, Time: 11:32:31, ID: ST201020R1\_4 1613 CS4 20F1106, Description: 1613 CS4 20F1106

**2,3,7,8-TCDF**

201020R1\_4

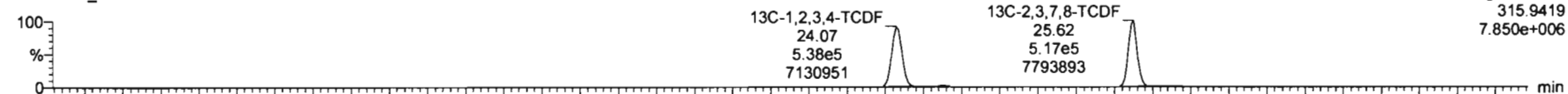


201020R1\_4

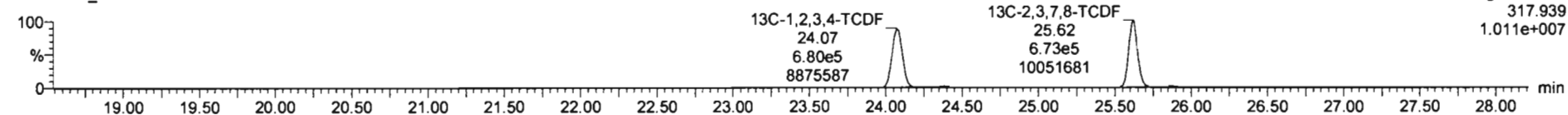


**13C-2,3,7,8-TCDF**

201020R1\_4

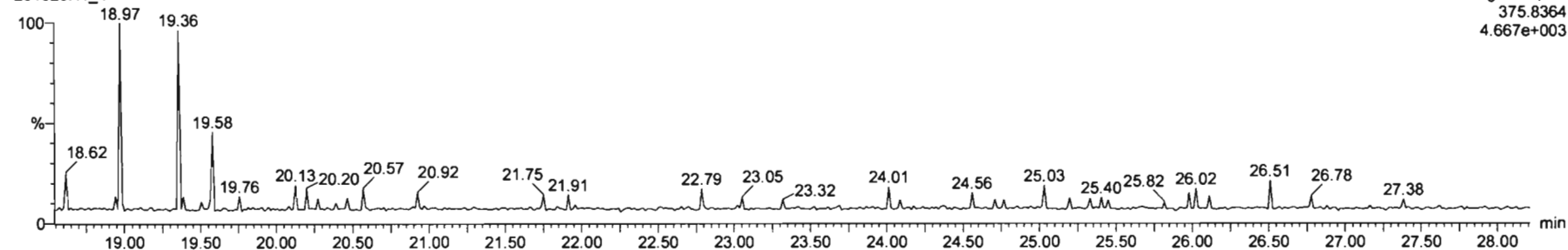


201020R1\_4



**DPE1**

201020R1\_4



Dataset: Untitled

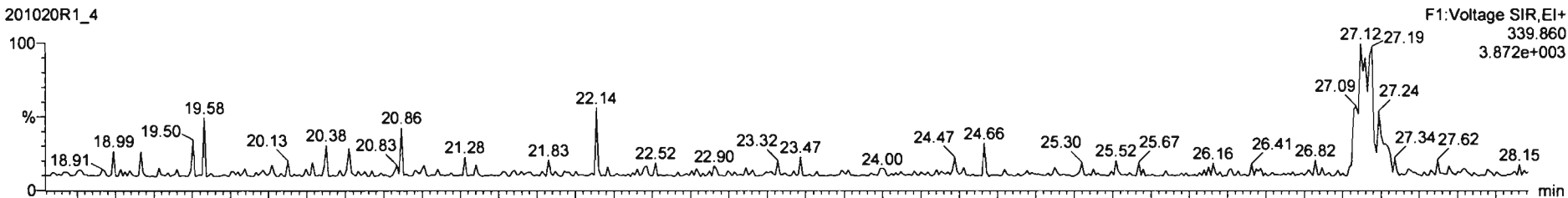
Last Altered: Tuesday, October 20, 2020 15:17:40 Pacific Daylight Time

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

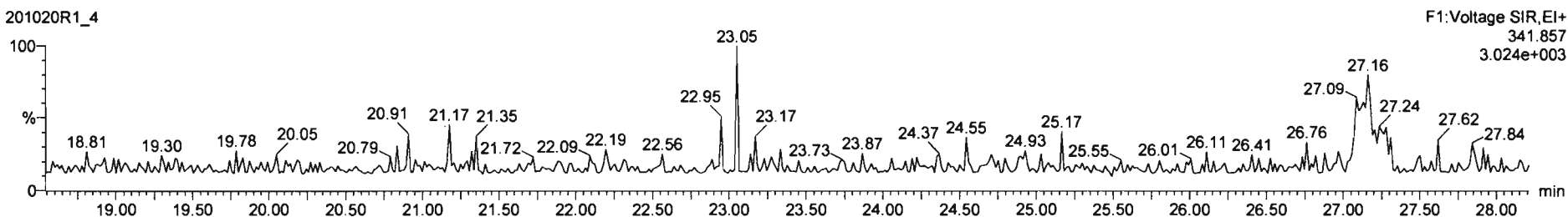
Name: 201020R1\_4, Date: 20-Oct-2020, Time: 11:32:31, ID: ST201020R1\_4 1613 CS4 20F1106, Description: 1613 CS4 20F1106

1st Func. Penta-Furans

201020R1\_4

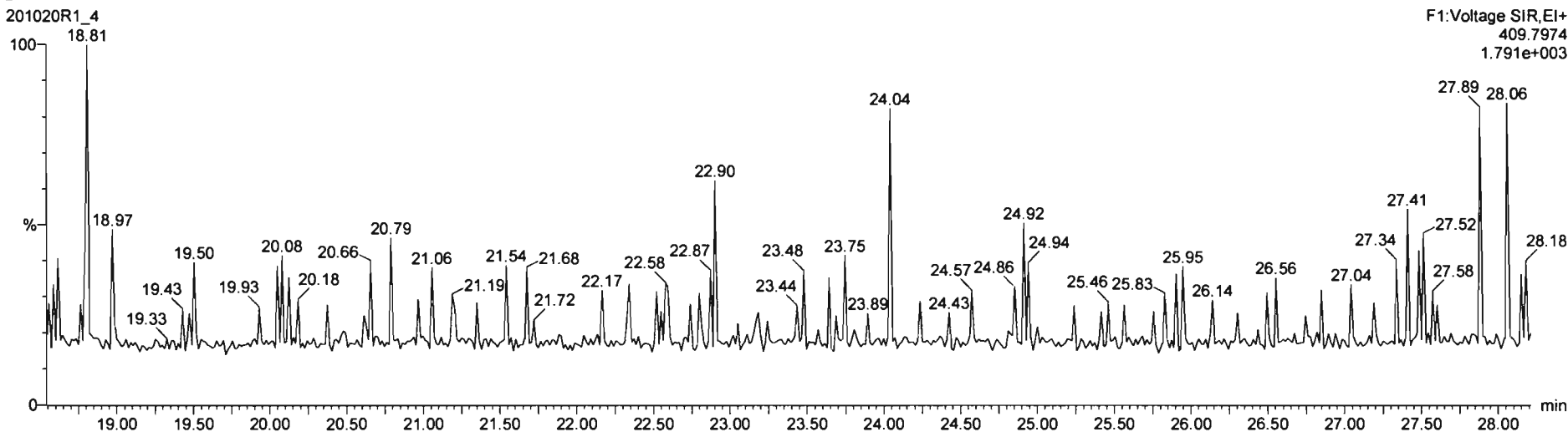


201020R1\_4



DPE6

201020R1\_4



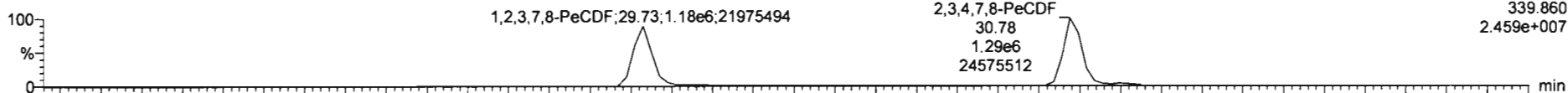
Dataset: Untitled

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

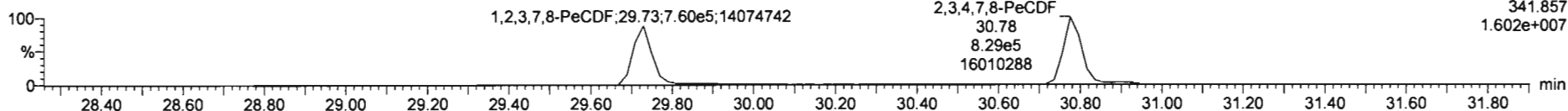
Name: 201020R1\_4, Date: 20-Oct-2020, Time: 11:32:31, ID: ST201020R1\_4 1613 CS4 20F1106, Description: 1613 CS4 20F1106

**1,2,3,7,8-PeCDF**

201020R1\_4

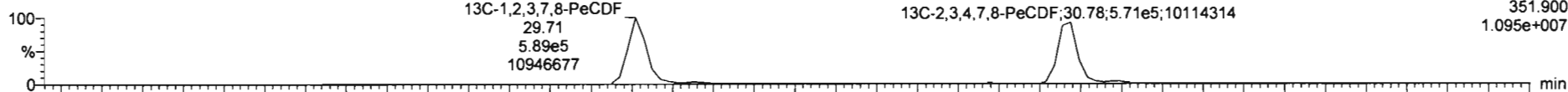


201020R1\_4

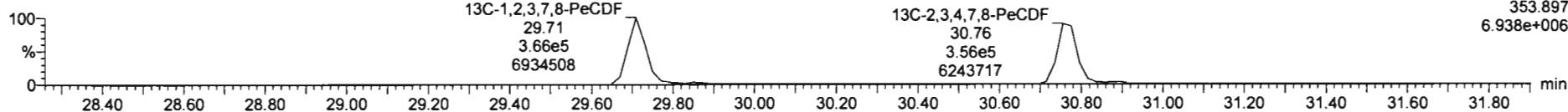


**13C-1,2,3,7,8-PeCDF**

201020R1\_4

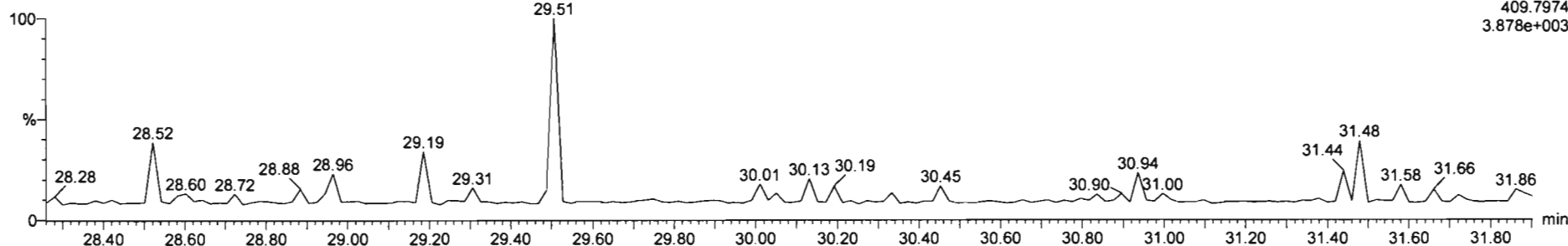


201020R1\_4



**DPE2**

201020R1\_4



Dataset: Untitled

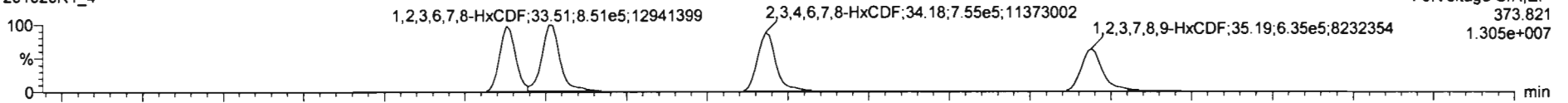
Last Altered: Tuesday, October 20, 2020 15:17:40 Pacific Daylight Time

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

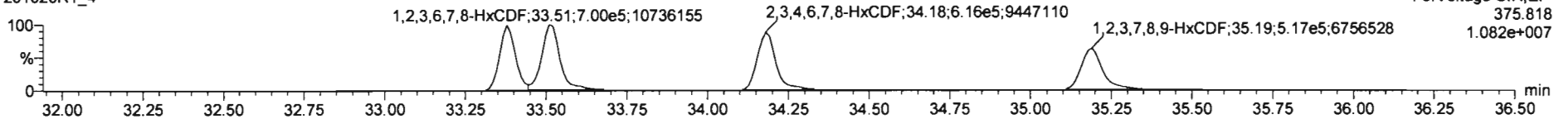
Name: 201020R1\_4, Date: 20-Oct-2020, Time: 11:32:31, ID: ST201020R1\_4 1613 CS4 20F1106, Description: 1613 CS4 20F1106

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

201020R1\_4

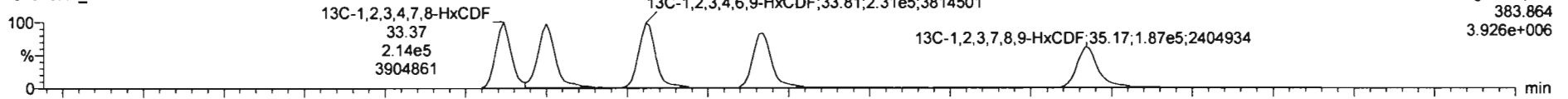


201020R1\_4

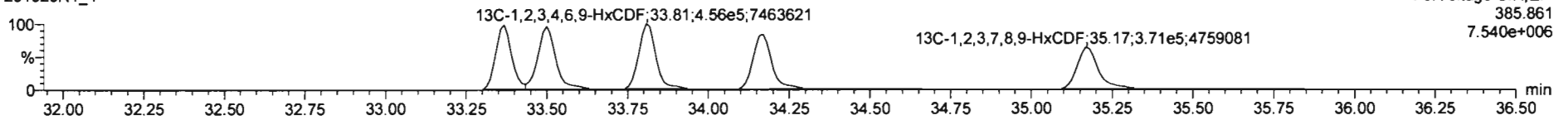


**13C-1,2,3,4,7,8-HxCDF**

201020R1\_4

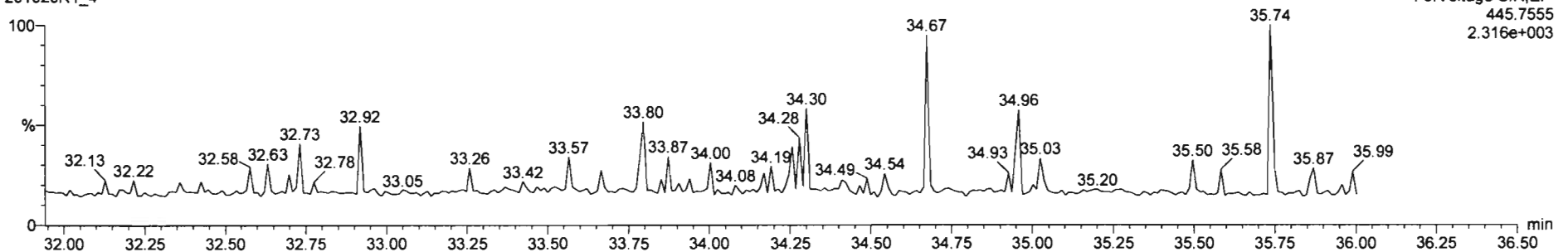


201020R1\_4



**DPE3**

201020R1\_4



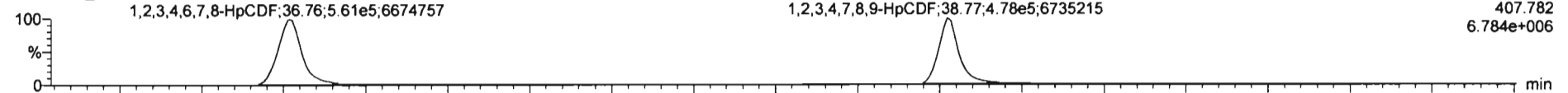
Dataset: Untitled

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

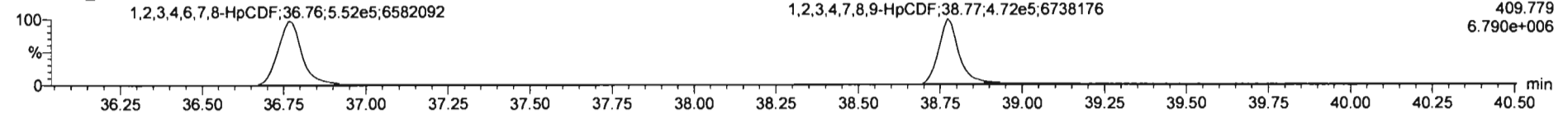
Name: 201020R1\_4, Date: 20-Oct-2020, Time: 11:32:31, ID: ST201020R1\_4 1613 CS4 20F1106, Description: 1613 CS4 20F1106

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

201020R1\_4

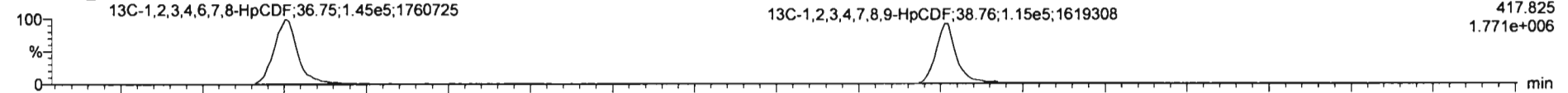


201020R1\_4

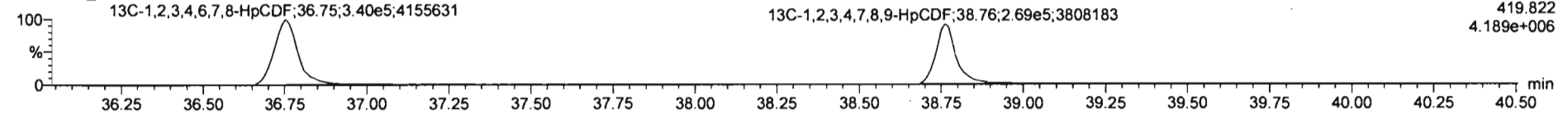


**13C-1,2,3,4,6,7,8-HpCDF**

201020R1\_4

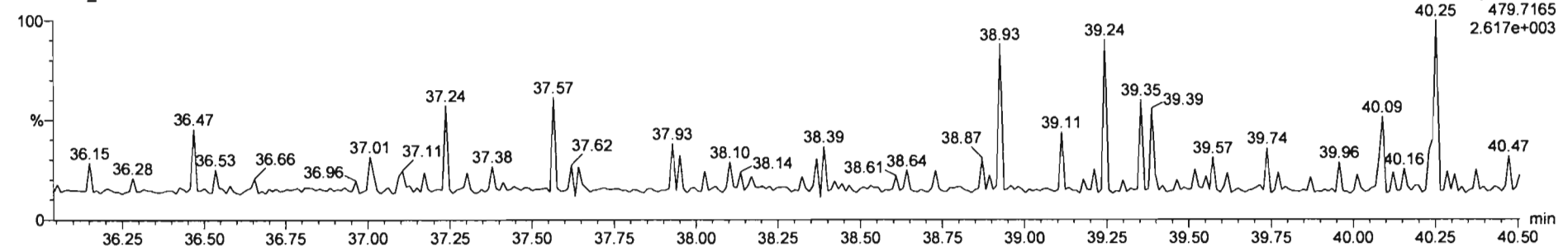


201020R1\_4



**DPE4**

201020R1\_4



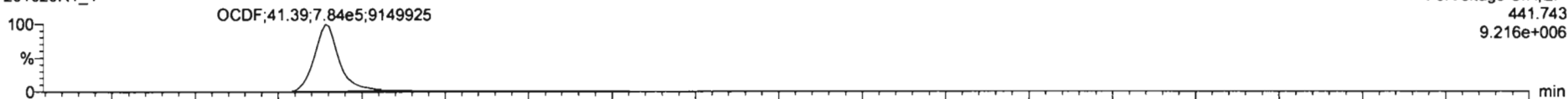
Dataset: Untitled

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

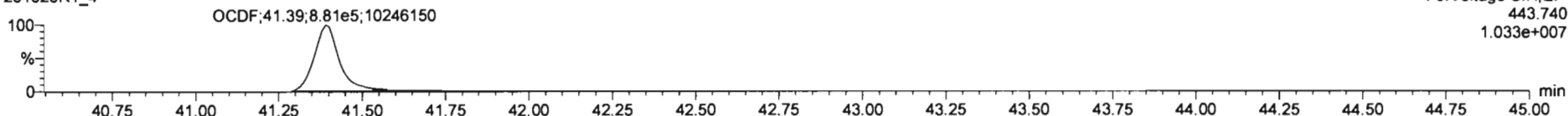
Name: 201020R1\_4, Date: 20-Oct-2020, Time: 11:32:31, ID: ST201020R1\_4 1613 CS4 20F1106, Description: 1613 CS4 20F1106

**OCDF**

201020R1\_4

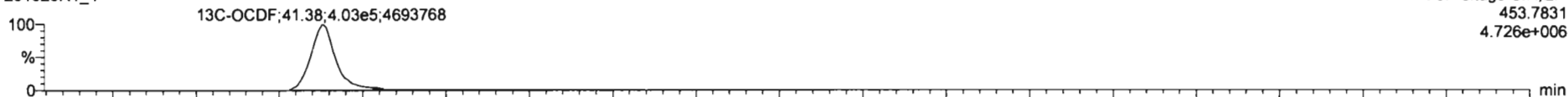


201020R1\_4

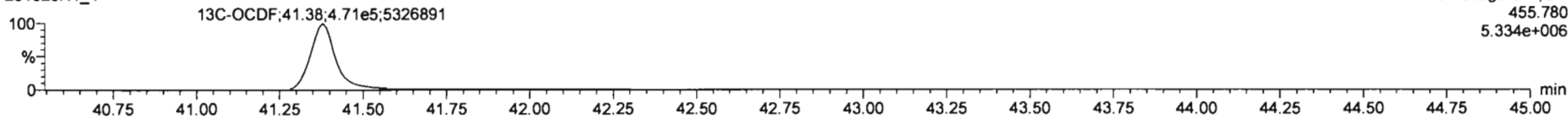


**13C-OCDF**

201020R1\_4

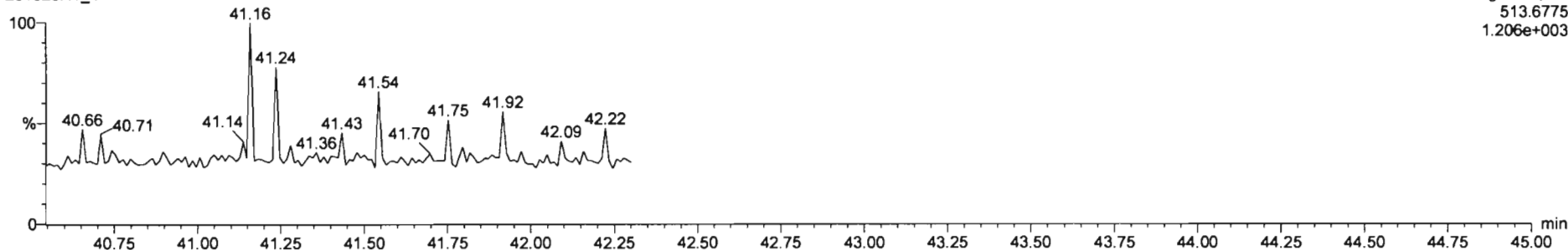


201020R1\_4



**DPE5**

201020R1\_4

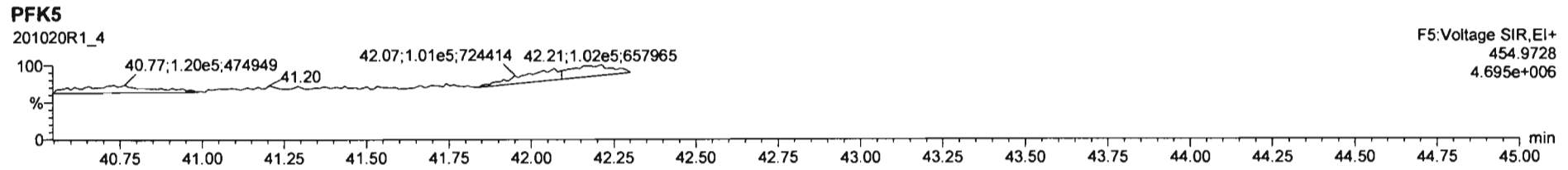
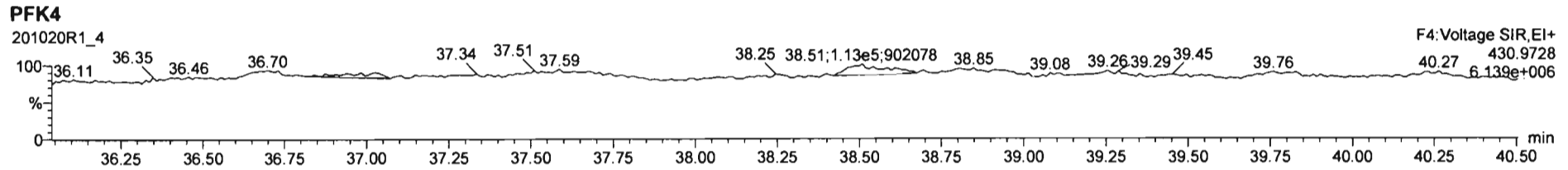
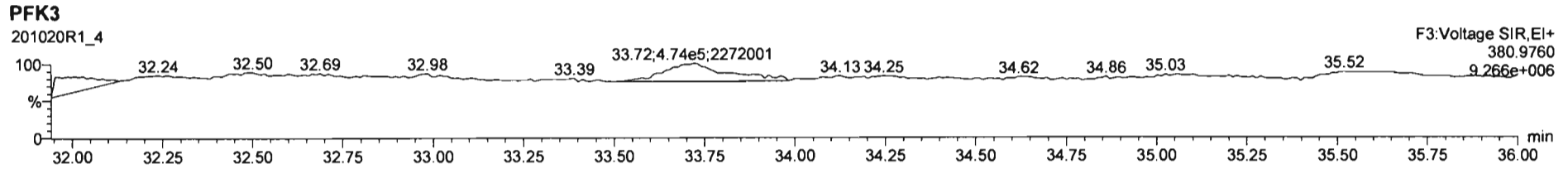
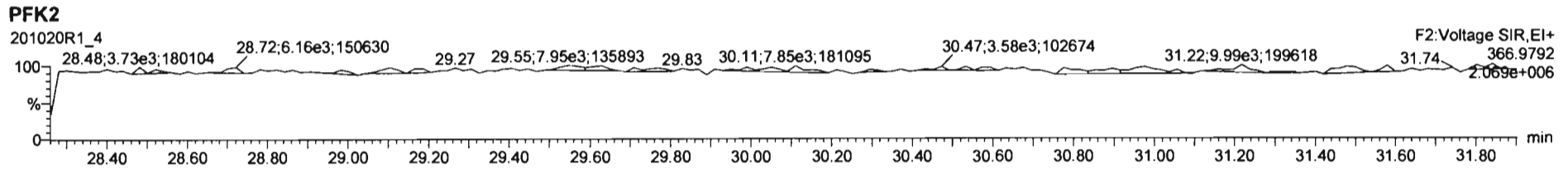
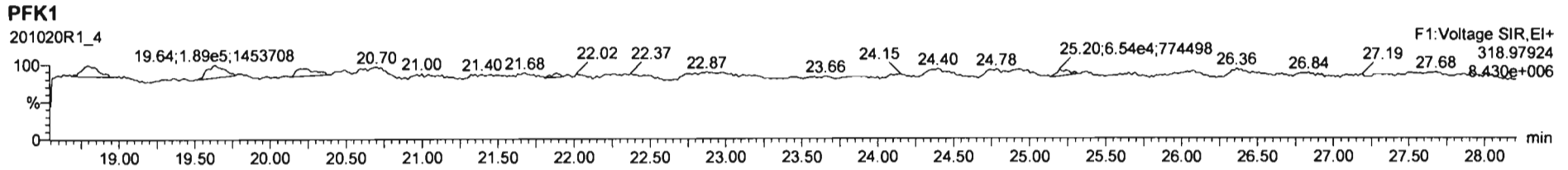




Dataset: Untitled

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\_4, Date: 20-Oct-2020, Time: 11:32:31, ID: ST201020R1\_4 1613 CS4 20F1106, Description: 1613 CS4 20F1106



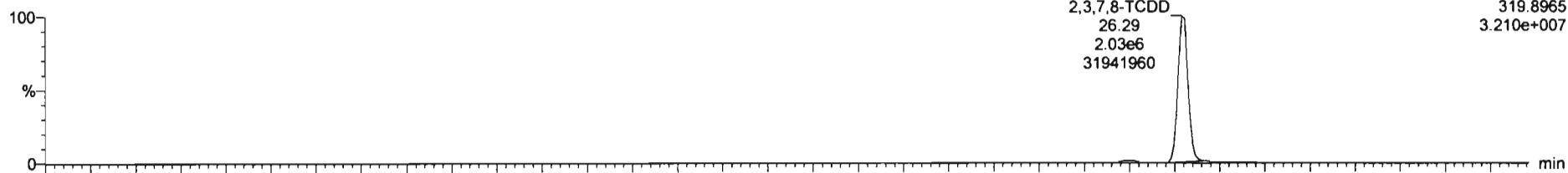
Dataset: Untitled

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

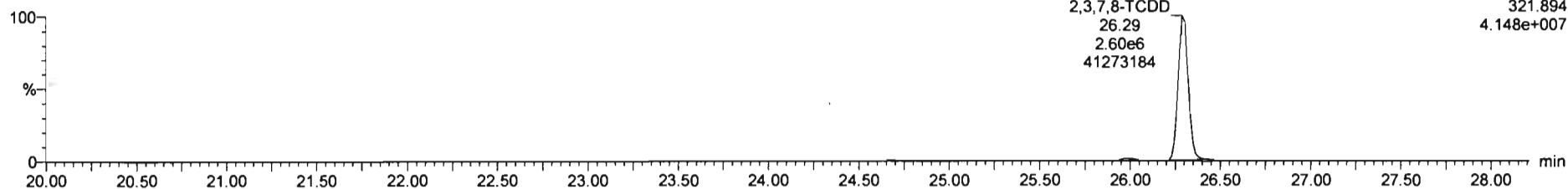
Name: 201020R1\_5, Date: 20-Oct-2020, Time: 12:16:56, ID: ST201020R1\_5 1613 CS5 20F1107, Description: 1613 CS5 20F1107

**2,3,7,8-TCDD**

201020R1\_5

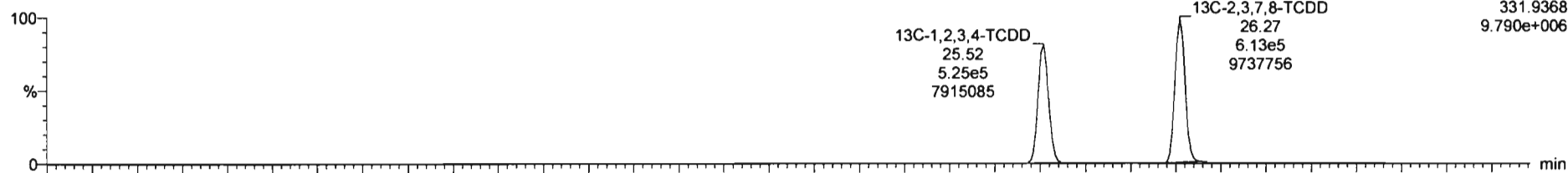


201020R1\_5

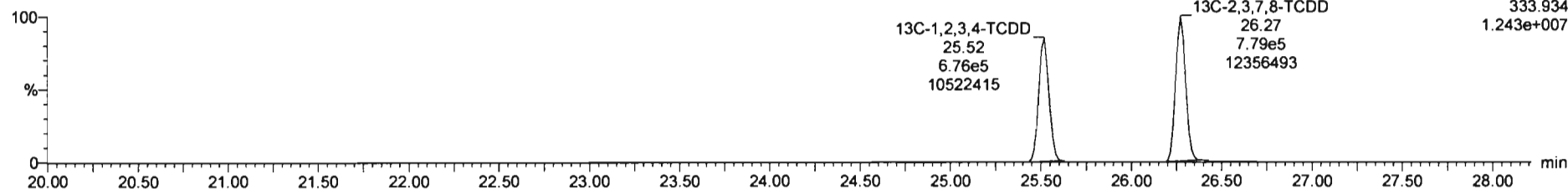


**13C-2,3,7,8-TCDD**

201020R1\_5



201020R1\_5



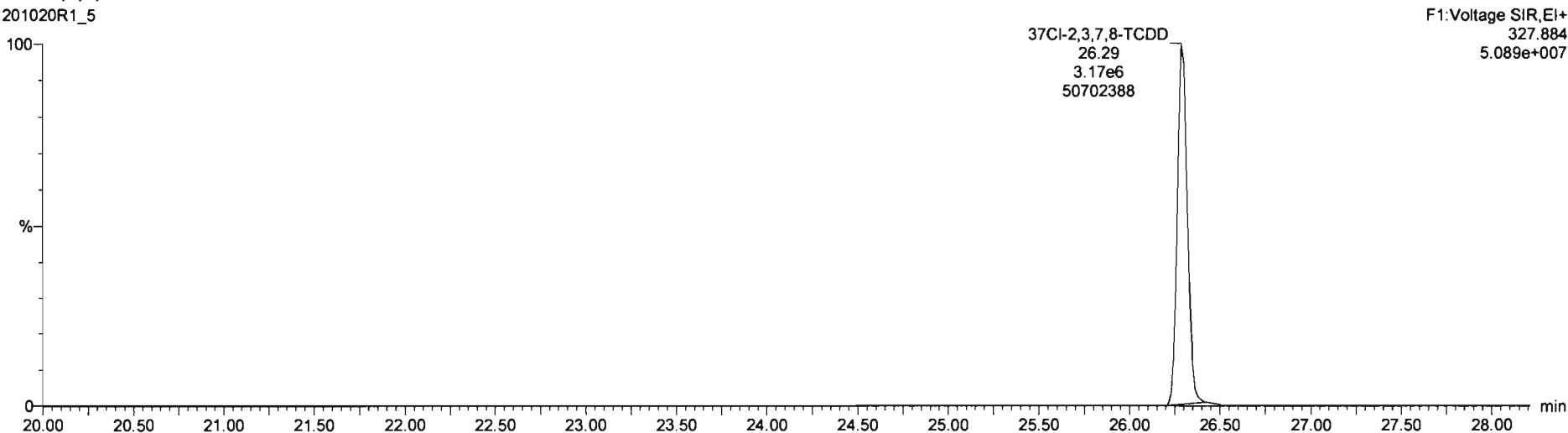
Dataset: Untitled

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

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

201020R1\_5

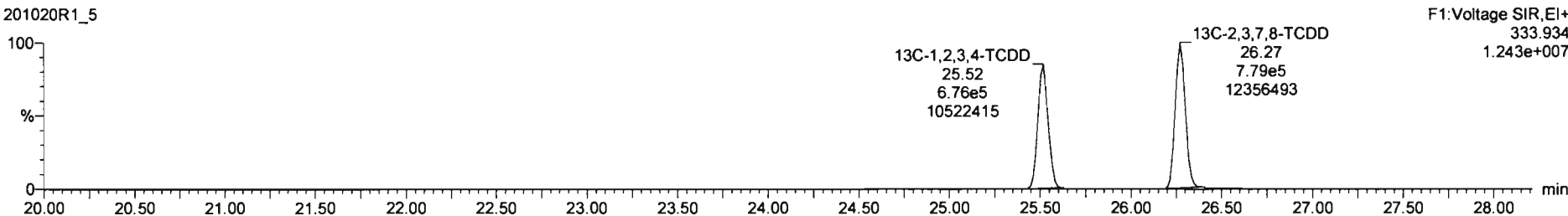


**13C-1,2,3,4-TCDD**

201020R1\_5



201020R1\_5



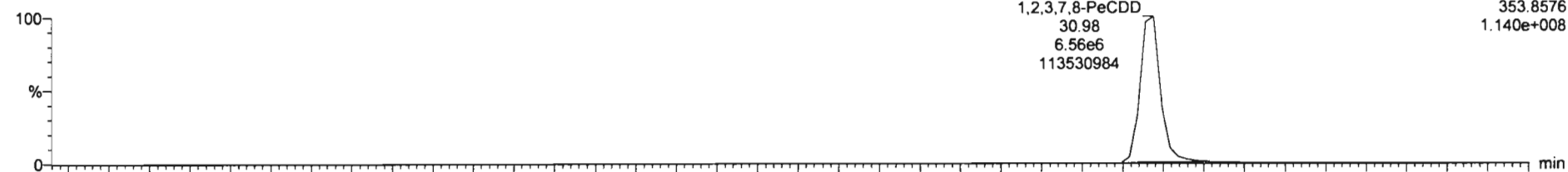
Dataset: Untitled

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

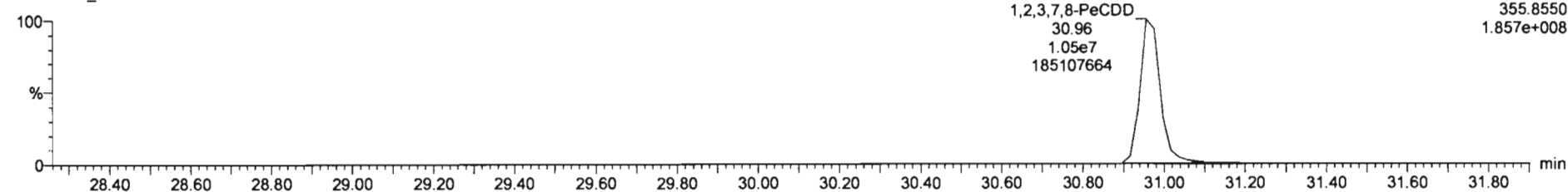
Name: 201020R1\_5, Date: 20-Oct-2020, Time: 12:16:56, ID: ST201020R1\_5 1613 CS5 20F1107, Description: 1613 CS5 20F1107

**1,2,3,7,8-PeCDD**

201020R1\_5

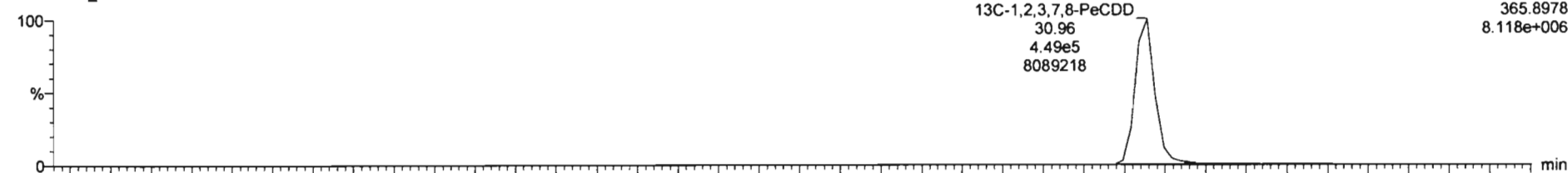


201020R1\_5

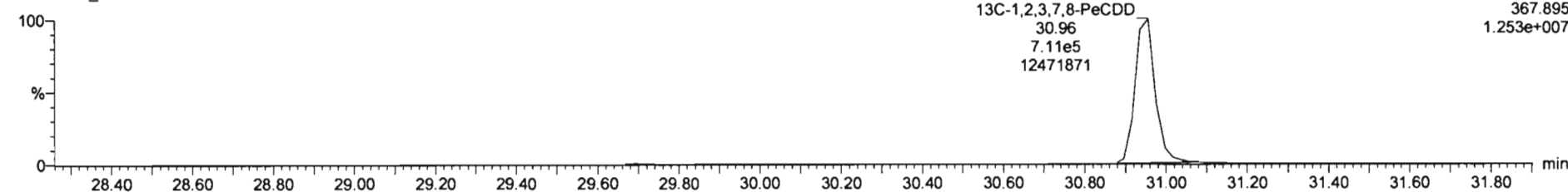


**13C-1,2,3,7,8-PeCDD**

201020R1\_5



201020R1\_5



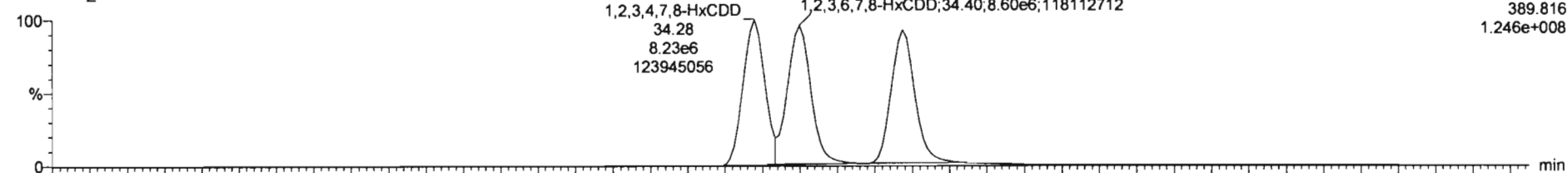
Dataset: Untitled

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

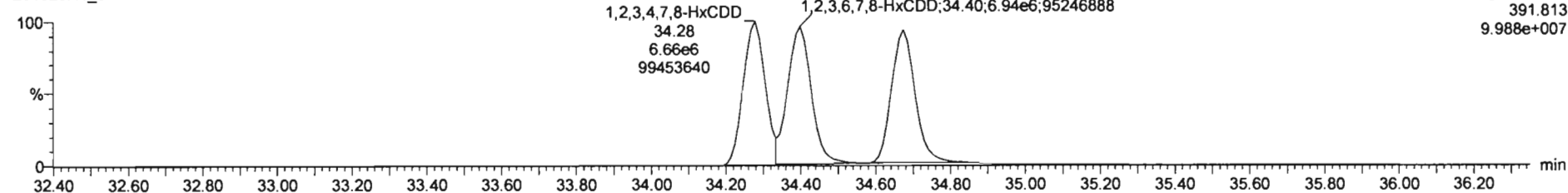
Name: 201020R1\_5, Date: 20-Oct-2020, Time: 12:16:56, ID: ST201020R1\_5 1613 CS5 20F1107, Description: 1613 CS5 20F1107

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

201020R1\_5

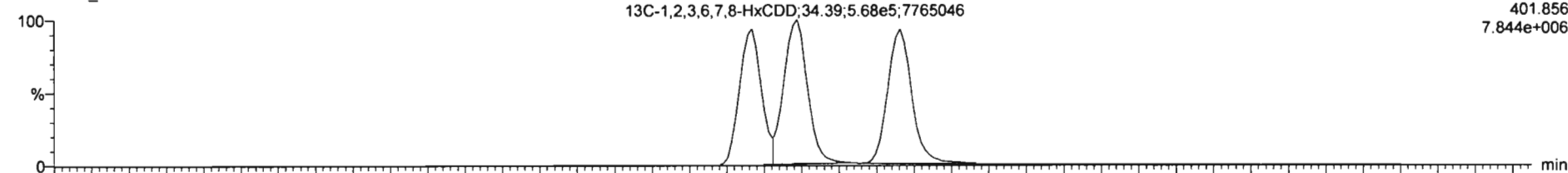


201020R1\_5

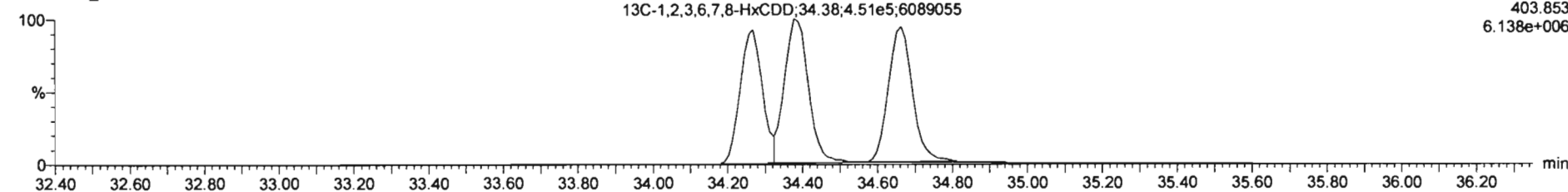


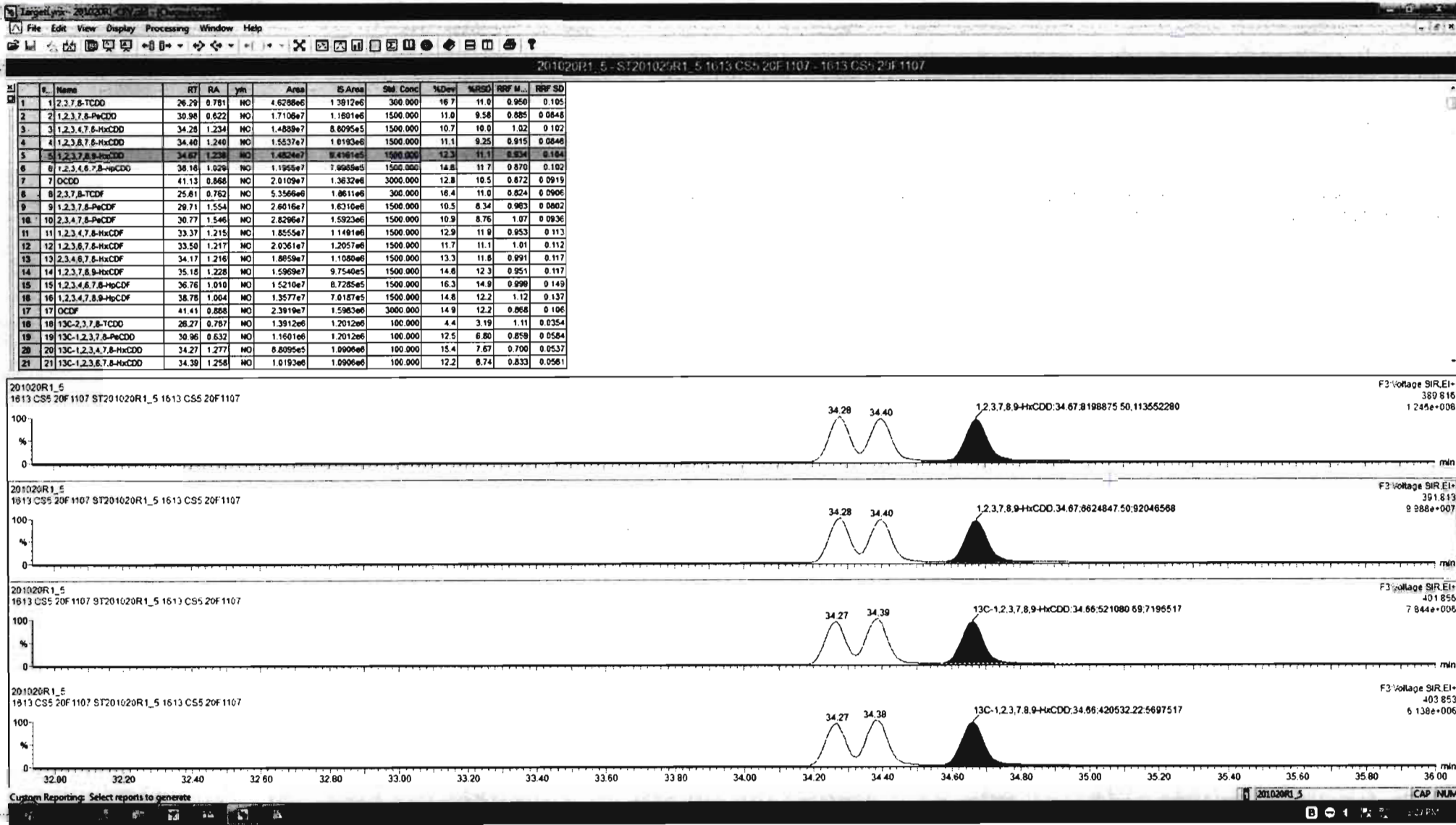
**13C-1,2,3,4,7,8-HxCDD**

201020R1\_5



201020R1\_5





Dataset: Untitled

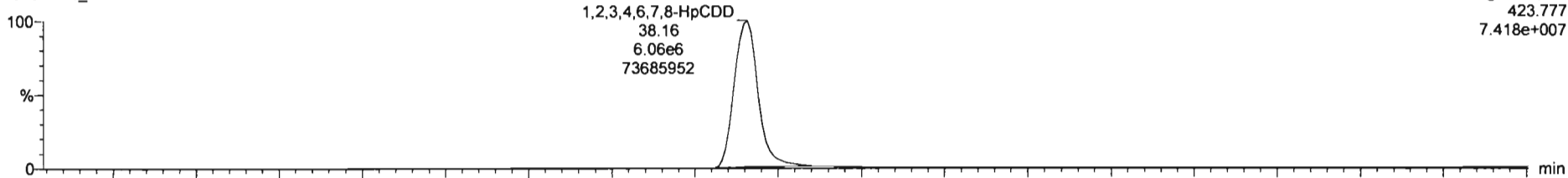
Last Altered: Tuesday, October 20, 2020 15:17:40 Pacific Daylight Time

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

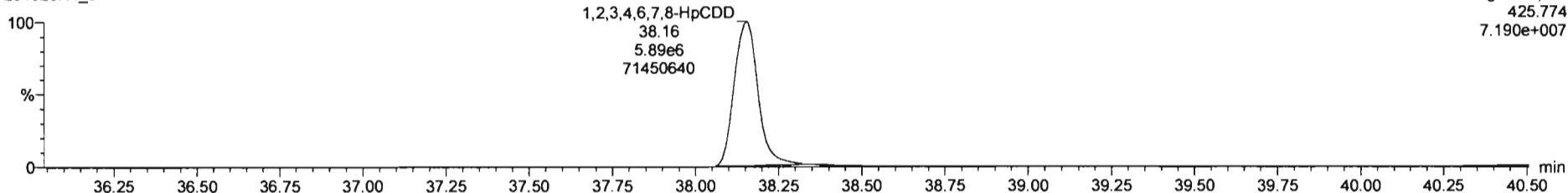
**1,2,3,4,6,7,8-HpCDD**

201020R1\_5



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

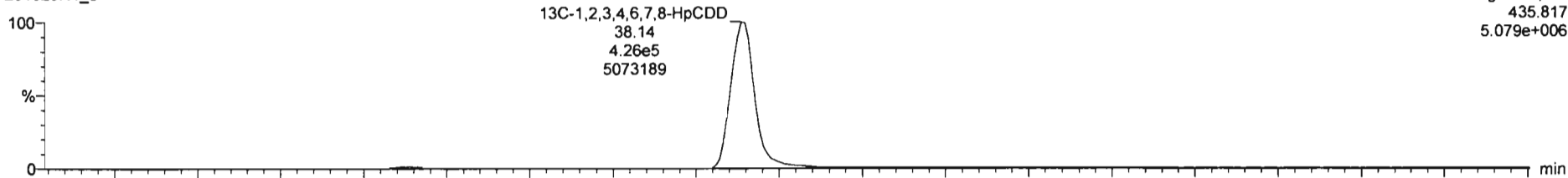
201020R1\_5



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

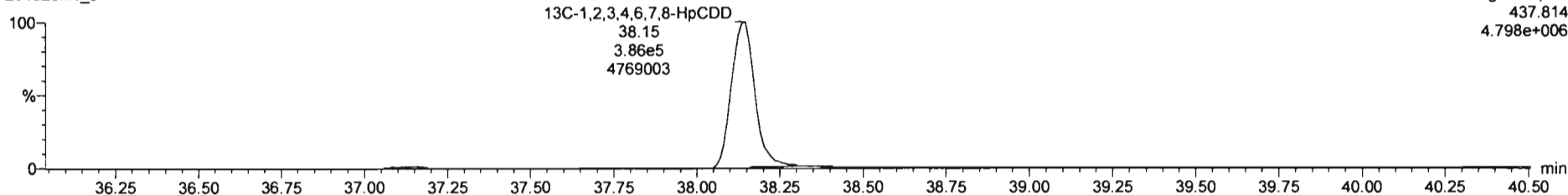
**13C-1,2,3,4,6,7,8-HpCDD**

201020R1\_5



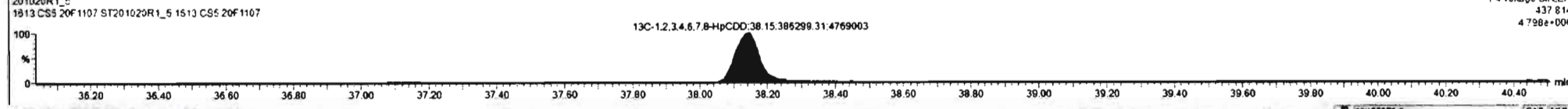
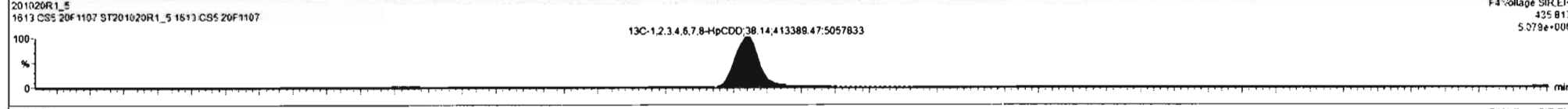
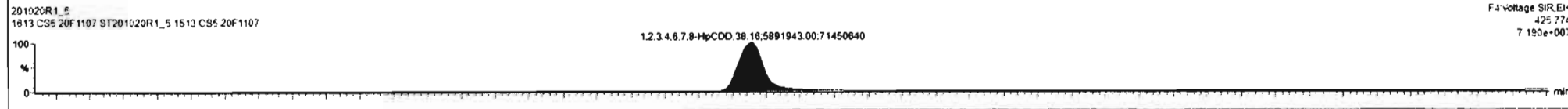
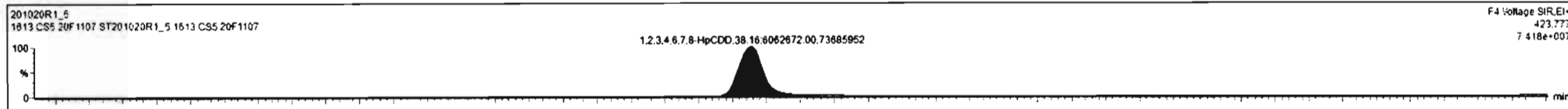
F4: Voltage SIR, EI+  
435.817  
5.079e+006

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	7.8992e5	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	1.6310e6	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	1.0906e6	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	1.0906e6	100.000	12.2	6.74	0.833	0.0561

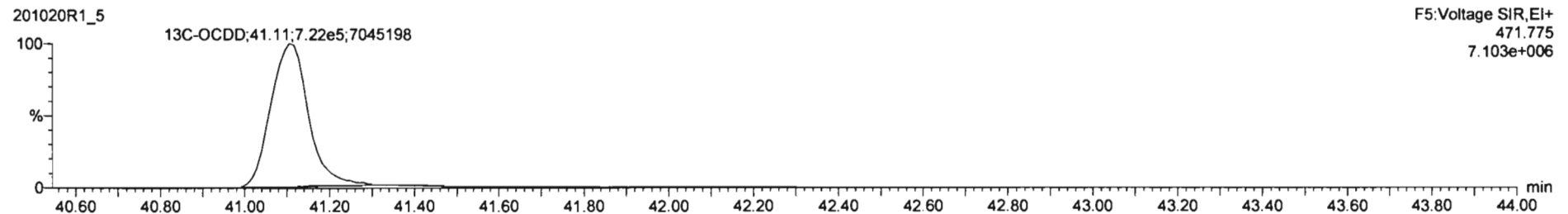
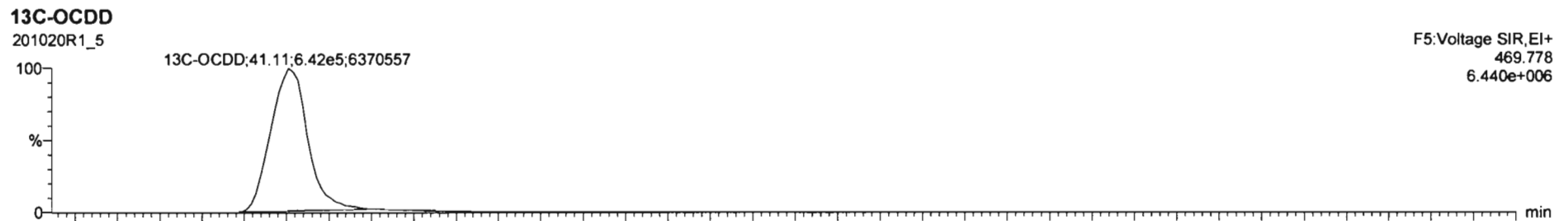
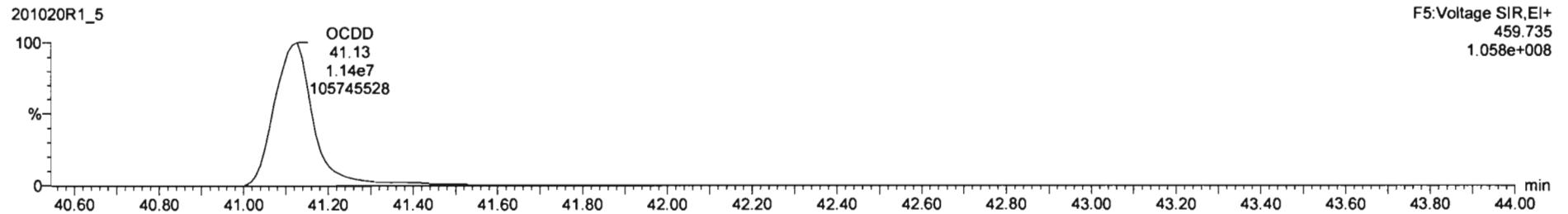
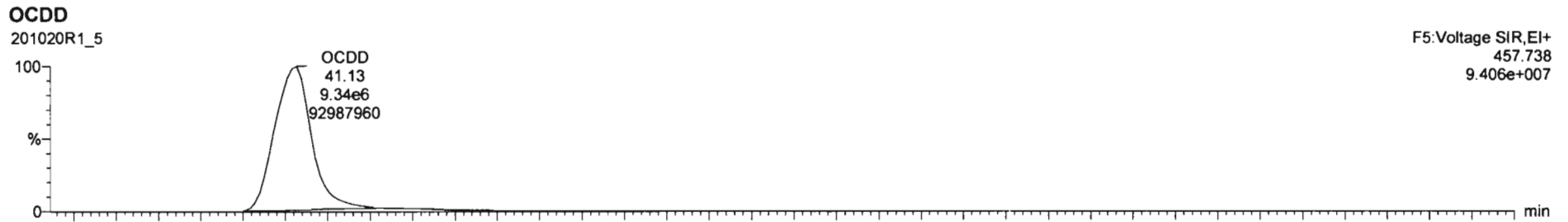




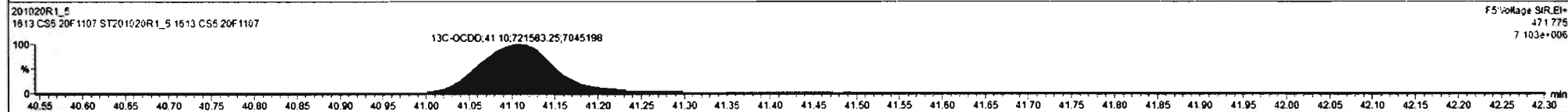
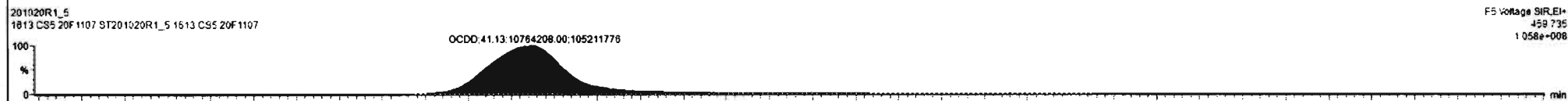
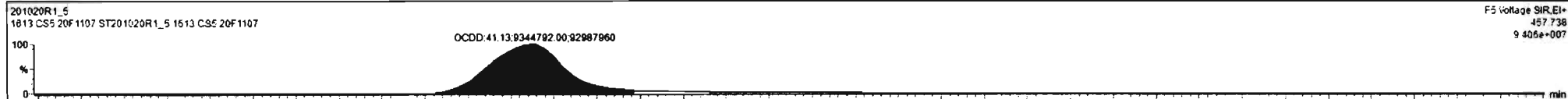
Dataset: Untitled

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



#	Name	RT	RA	Yth	Area	ISArea	Std Conc	%Dev	%RSD	RRF M	RRF SD
1	2,3,7,8-TCDD	28.29	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	0.822	NO	1.7106e7	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	1.4889e7	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	1.0190e6	1500.000	11.1	9.25	0.915	0.0848
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	38.16	1.629	NO	1.1955e7	7.8989e5	1500.000	14.8	11.7	0.870	0.102
7	OCDD	41.13	0.868	NO	2.8108e7	1.3632e6	3000.000	12.8	10.5	0.872	0.0918
8	2,3,7,8-TCDF	25.61	0.762	NO	5.3586e6	1.8611e6	300.000	16.4	11.0	0.824	0.0908
9	1,2,3,7,8-PeCDF	29.71	1.554	NO	2.6018e7	1.6310e6	1500.000	10.5	8.34	0.983	0.0802
10	2,3,4,7,8-PeCDF	30.77	1.546	NO	2.8296e7	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	0.853	0.113
12	1,2,3,6,7,8-HxCDF	33.50	1.217	NO	2.0361e7	1.2957e6	1500.000	11.7	11.1	1.01	0.112
13	2,3,4,6,7,8-HxCDF	34.17	1.216	NO	1.8959e7	1.1080e6	1500.000	13.3	11.6	0.991	0.117
14	1,2,3,7,8,9-HxCDF	35.18	1.228	NO	1.5989e7	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	2.5919e7	1.5983e6	3000.000	14.9	12.2	0.868	0.108
18	13C-2,3,7,8-TCDD	28.27	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	30.98	0.632	NO	1.1601e6	1.2012e6	100.000	12.5	6.80	0.858	0.0584
20	13C-1,2,3,4,7,8-HxCDD	34.27	1.277	NO	8.8095e5	1.0906e6	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	1.0906e6	100.000	12.2	6.74	0.833	0.0561



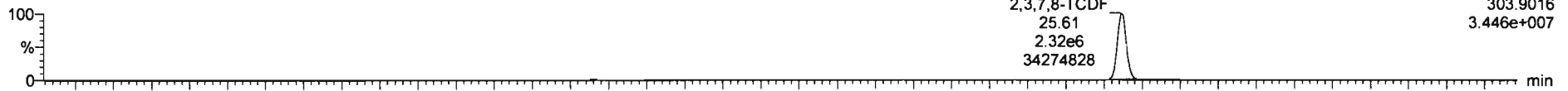
Dataset: Untitled

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

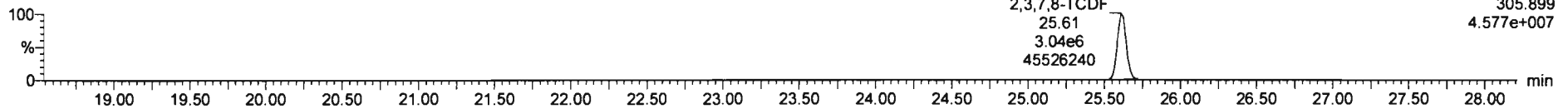
Name: 201020R1\_5, Date: 20-Oct-2020, Time: 12:16:56, ID: ST201020R1\_5 1613 CS5 20F1107, Description: 1613 CS5 20F1107

**2,3,7,8-TCDF**

201020R1\_5

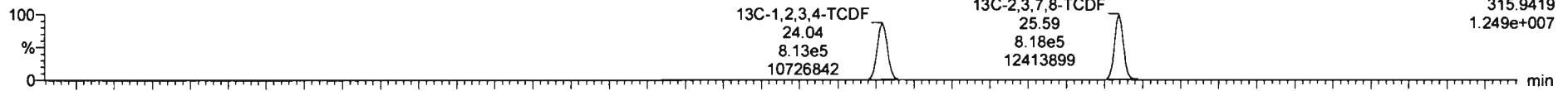


201020R1\_5

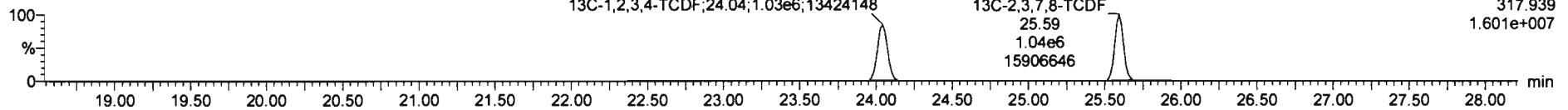


**13C-2,3,7,8-TCDF**

201020R1\_5

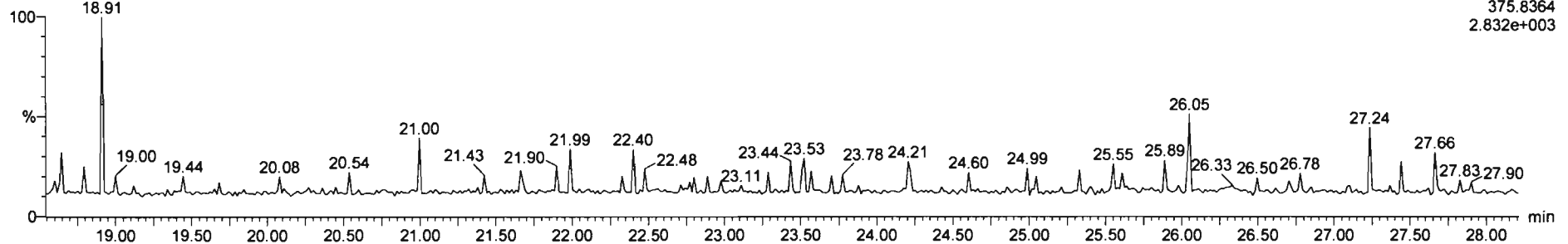


201020R1\_5



**DPE1**

201020R1\_5



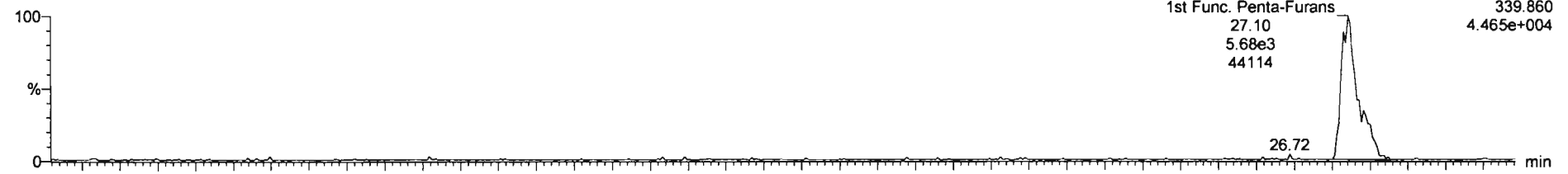
Dataset: Untitled

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

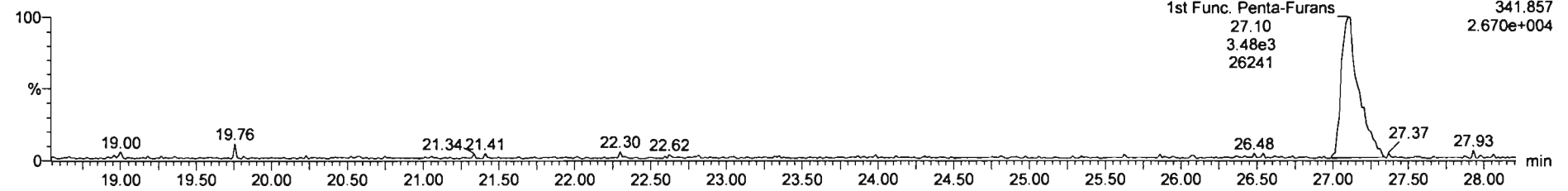
Name: 201020R1\_5, Date: 20-Oct-2020, Time: 12:16:56, ID: ST201020R1\_5 1613 CS5 20F1107, Description: 1613 CS5 20F1107

1st Func. Penta-Furans

201020R1\_5

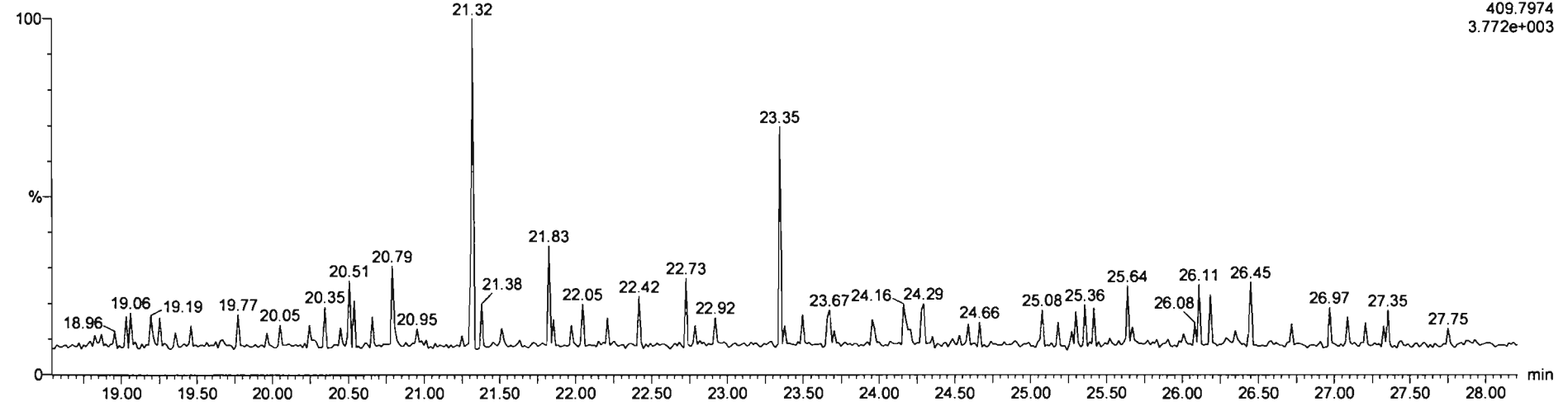


201020R1\_5



DPE6

201020R1\_5



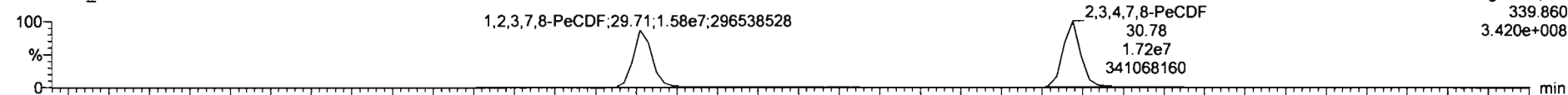
Dataset: Untitled

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

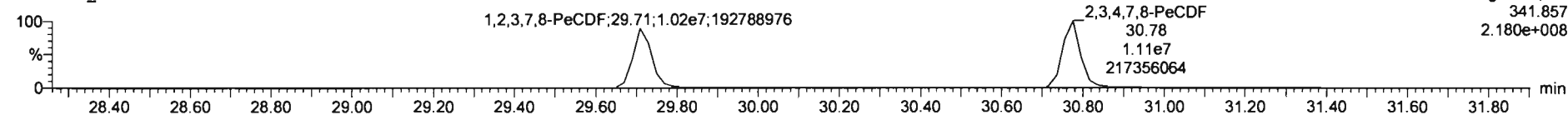
Name: 201020R1\_5, Date: 20-Oct-2020, Time: 12:16:56, ID: ST201020R1\_5 1613 CS5 20F1107, Description: 1613 CS5 20F1107

**1,2,3,7,8-PeCDF**

201020R1\_5

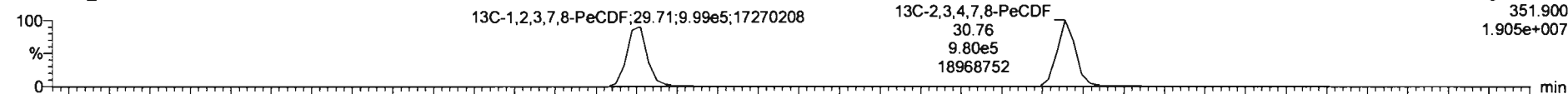


201020R1\_5

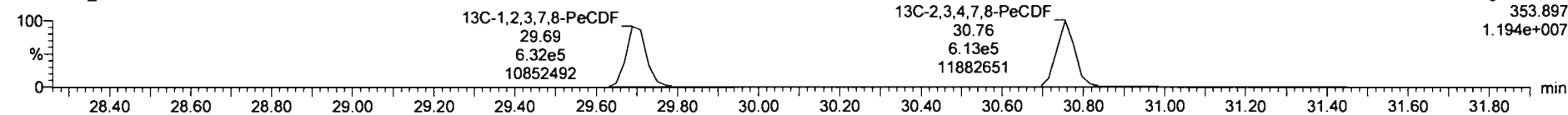


**13C-1,2,3,7,8-PeCDF**

201020R1\_5

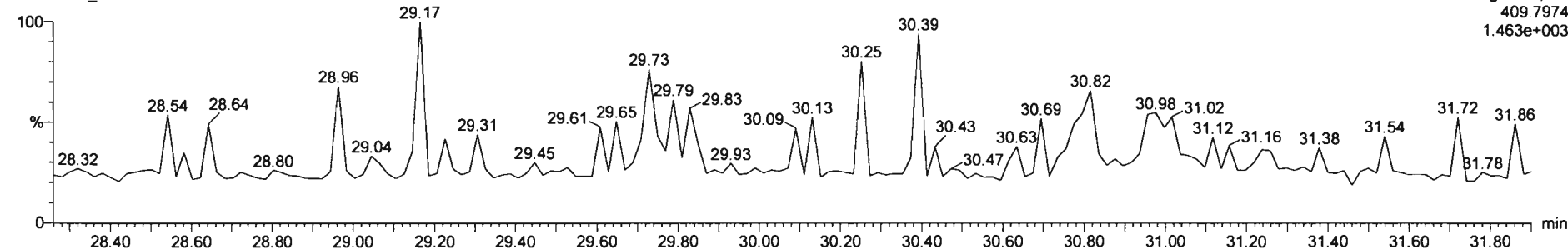


201020R1\_5



**DPE2**

201020R1\_5



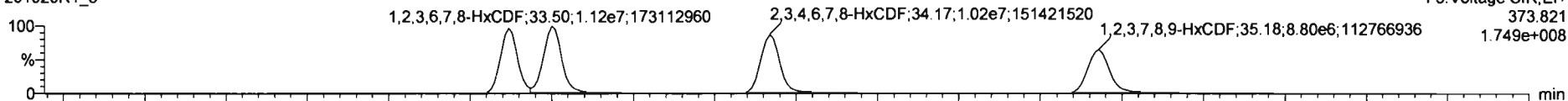
Dataset: Untitled

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

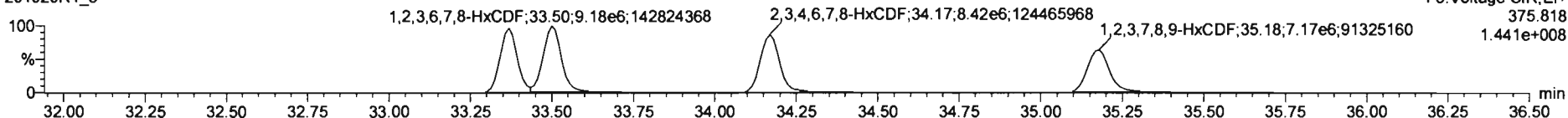
Name: 201020R1\_5, Date: 20-Oct-2020, Time: 12:16:56, ID: ST201020R1\_5 1613 CS5 20F1107, Description: 1613 CS5 20F1107

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

201020R1\_5

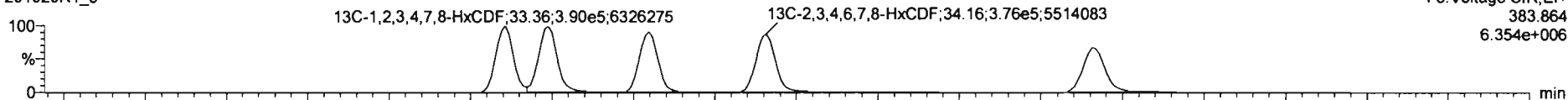


201020R1\_5

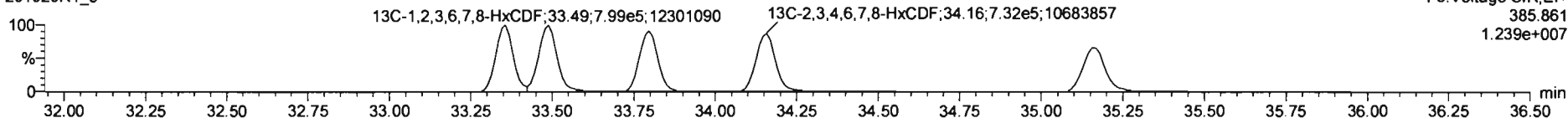


**13C-1,2,3,4,7,8-HxCDF**

201020R1\_5

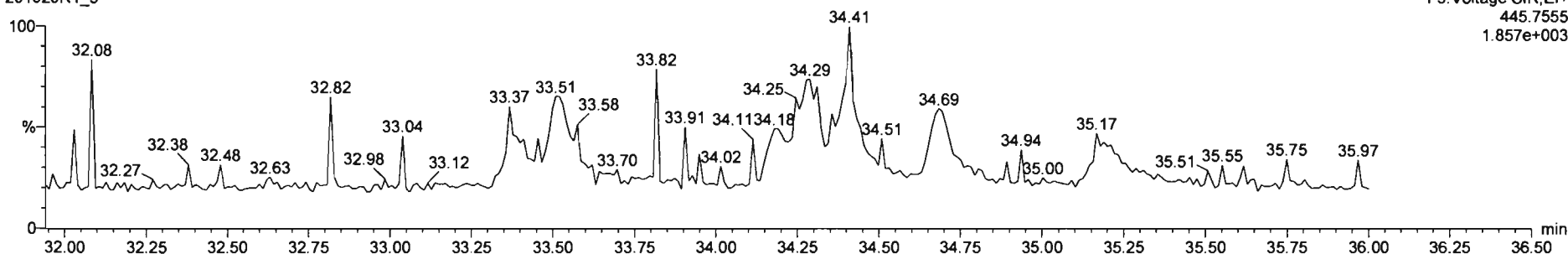


201020R1\_5



**DPE3**

201020R1\_5

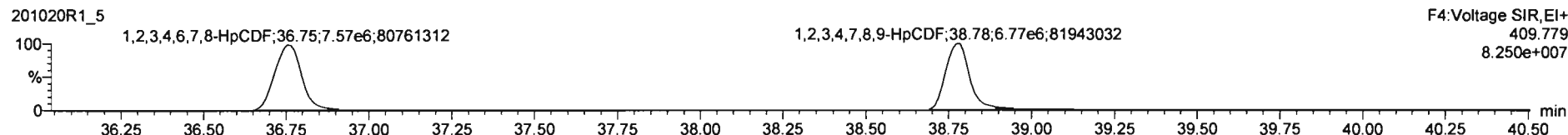
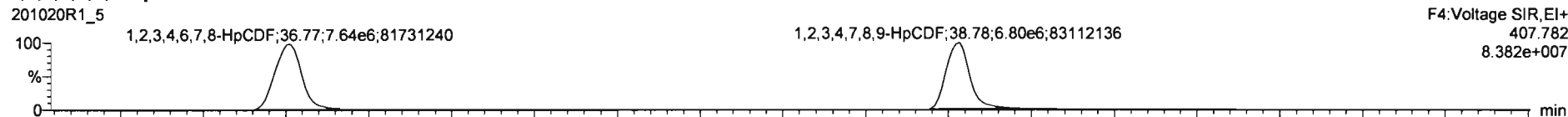


Dataset: Untitled

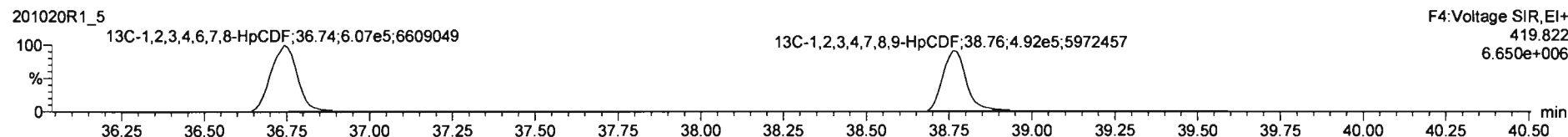
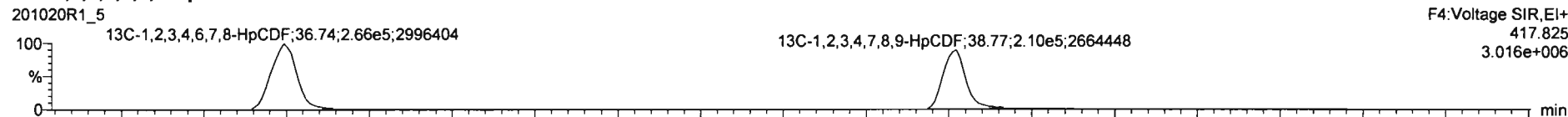
Last Altered: Tuesday, October 20, 2020 15:17:40 Pacific Daylight Time  
Printed: Tuesday, October 20, 2020 15:18:47 Pacific Daylight Time

Name: 201020R1\_5, Date: 20-Oct-2020, Time: 12:16:56, ID: ST201020R1\_5 1613 CS5 20F1107, Description: 1613 CS5 20F1107

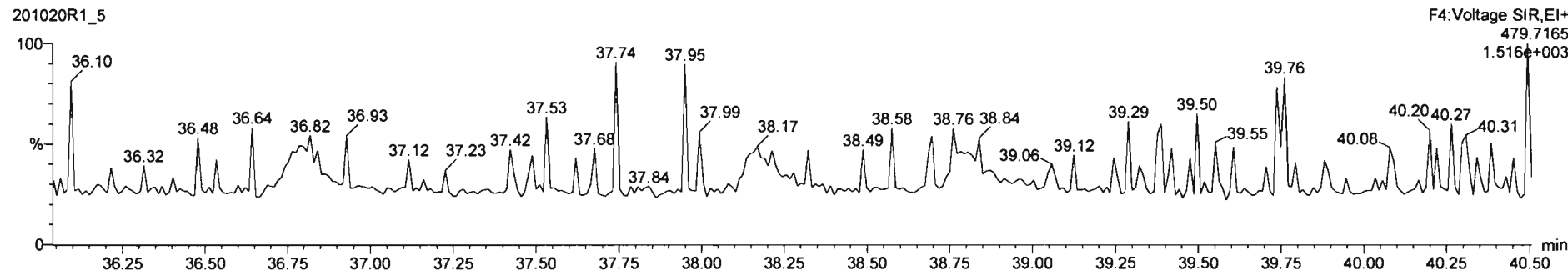
**1,2,3,4,6,7,8-HpCDF**



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



**DPE4**



Dataset: Untitled

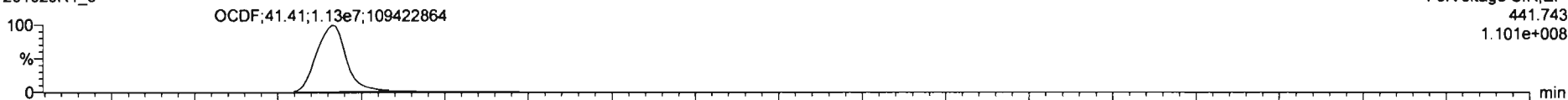
Last Altered: Tuesday, October 20, 2020 15:17:40 Pacific Daylight Time

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

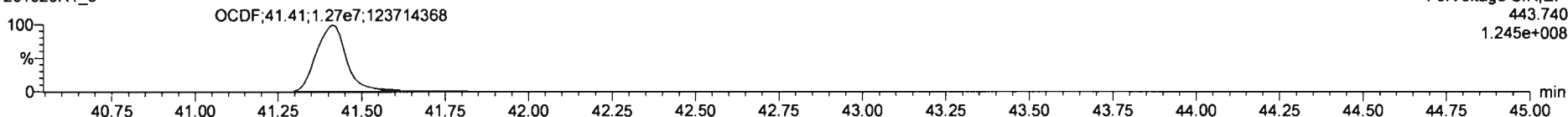
Name: 201020R1\_5, Date: 20-Oct-2020, Time: 12:16:56, ID: ST201020R1\_5 1613 CS5 20F1107, Description: 1613 CS5 20F1107

**OCDF**

201020R1\_5

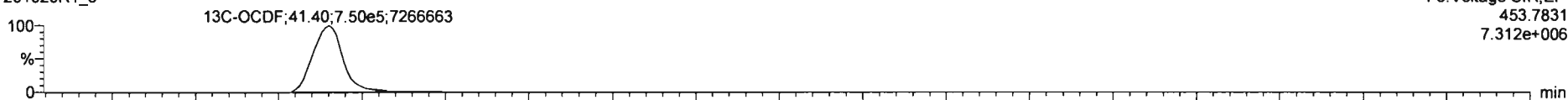


201020R1\_5

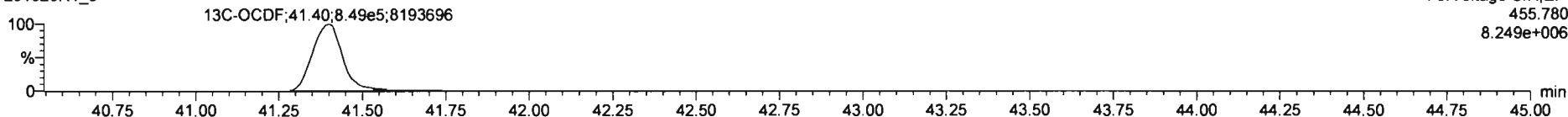


**13C-OCDF**

201020R1\_5

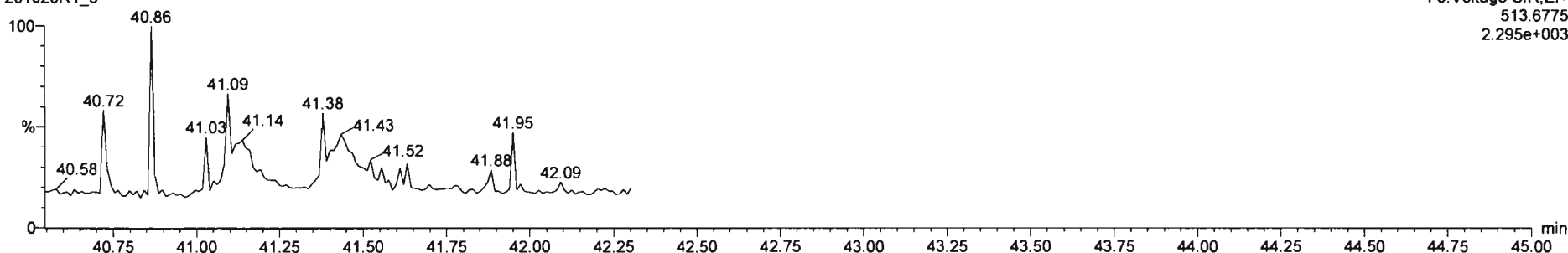


201020R1\_5



**DPE5**

201020R1\_5

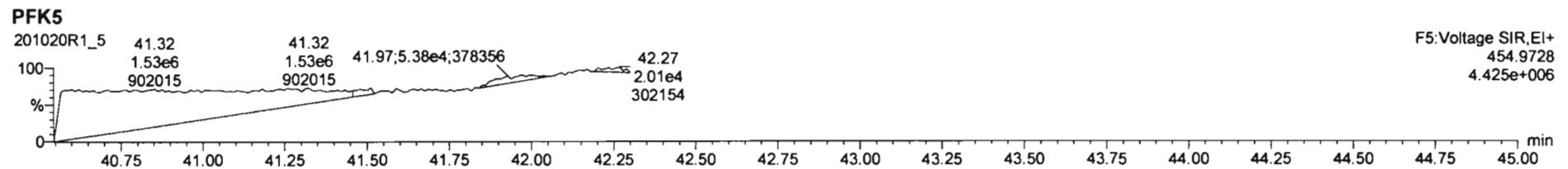
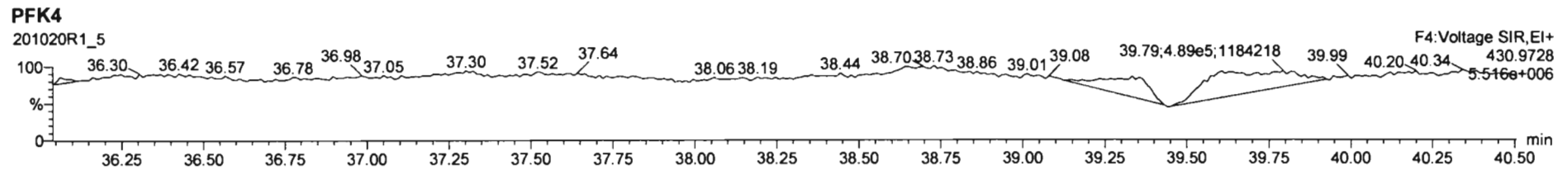
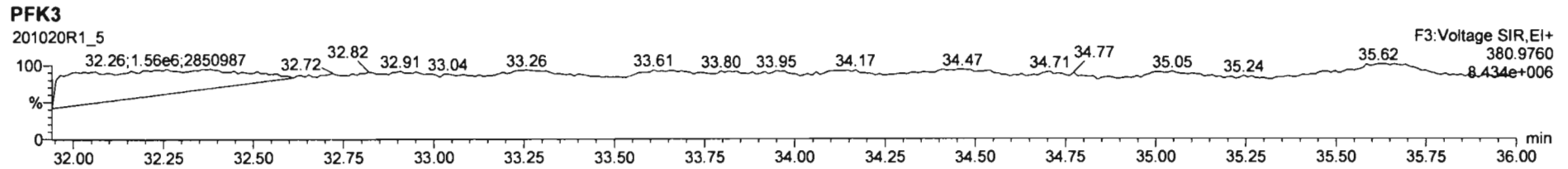
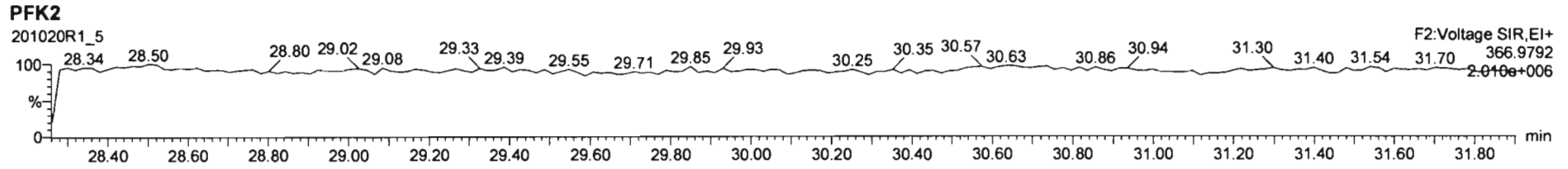
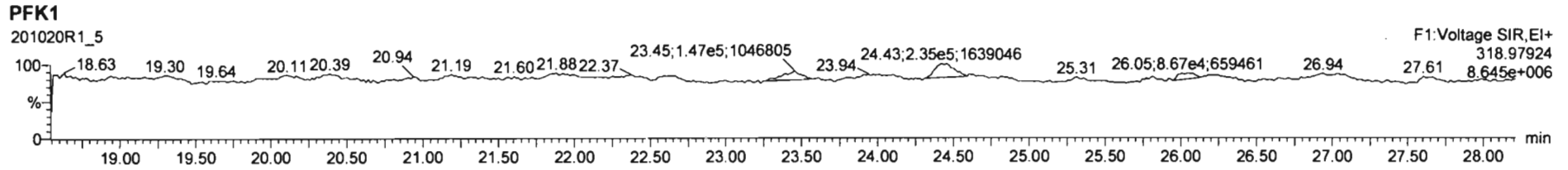




Dataset: Untitled

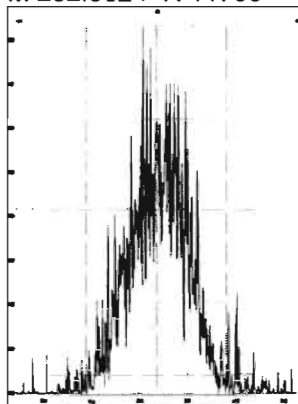
Last Altered: Tuesday, October 20, 2020 15:17:40 Pacific Daylight Time  
Printed: Tuesday, October 20, 2020 15:18:47 Pacific Daylight Time

Name: 201020R1\_5, Date: 20-Oct-2020, Time: 12:16:56, ID: ST201020R1\_5 1613 CS5 20F1107, Description: 1613 CS5 20F1107

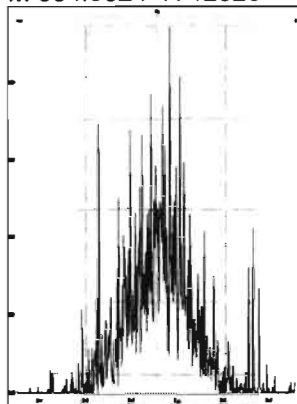


Printed: Tuesday, October 20, 2020 16:06:25 Pacific Daylight Time

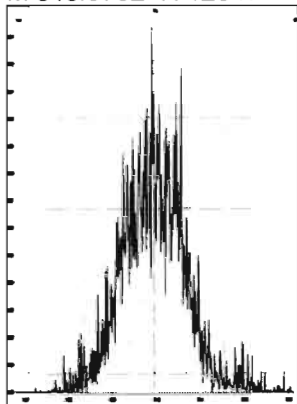
M 292.9824 R 11788



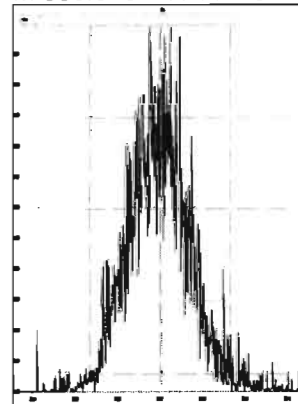
M 304.9824 R 12325



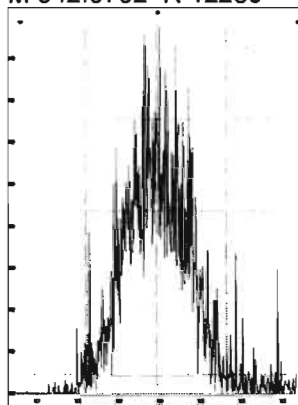
M 318.9792 R 12347



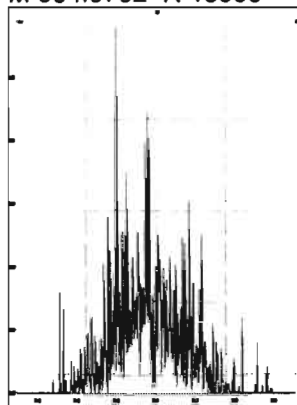
M 330.9792 R 11993



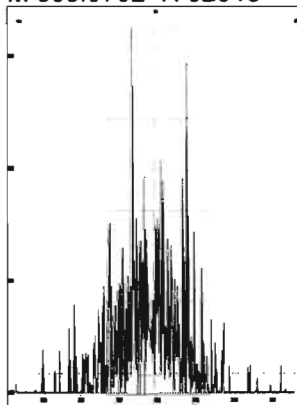
M 342.9792 R 12285



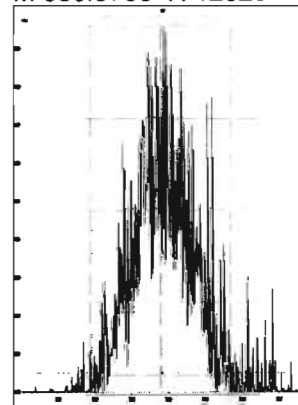
M 354.9792 R 16556



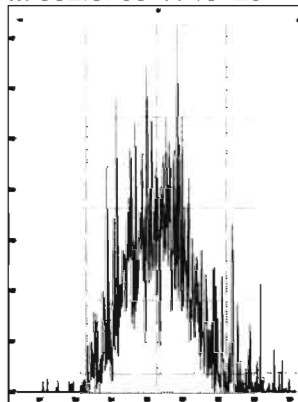
M 366.9792 R 52918



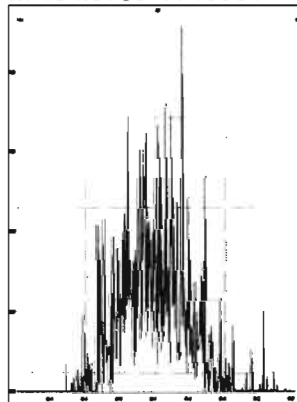
M 380.9760 R 12823



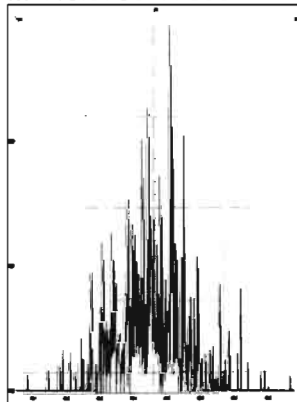
M 392.9760 R 13426



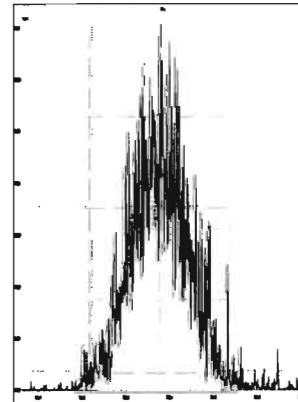
M 404.9760 R 18351



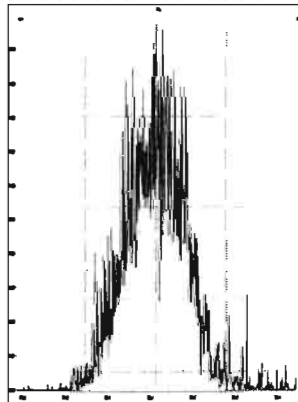
M 416.9760 R 89374



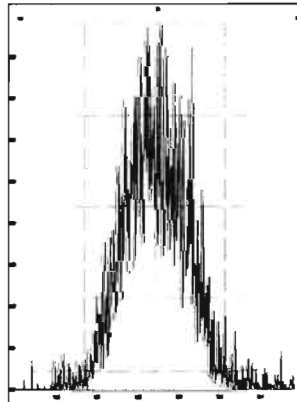
M 318.9792 R 13263



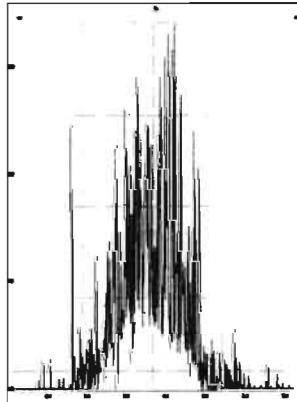
M 330.9792 R 13351



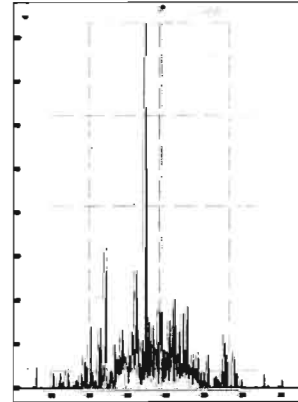
M 342.9792 R 11160



M 354.9792 R 18370

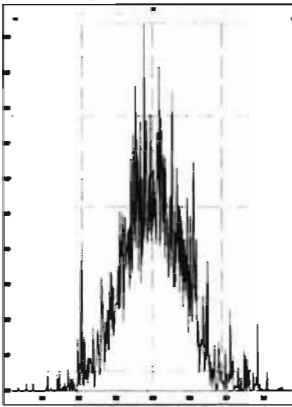


M 366.9792 R 28277

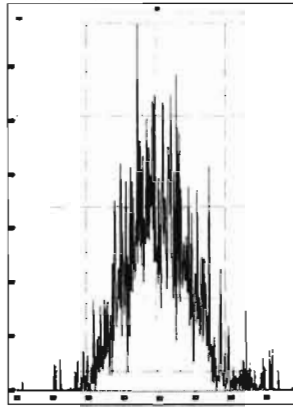


Printed: Tuesday, October 20, 2020 16:06:25 Pacific Daylight Time

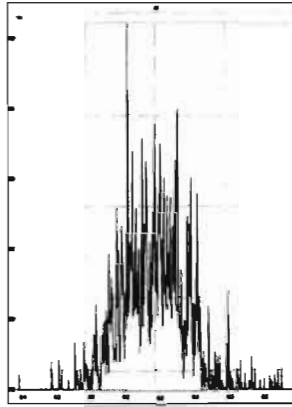
M 380.9760 R 11854



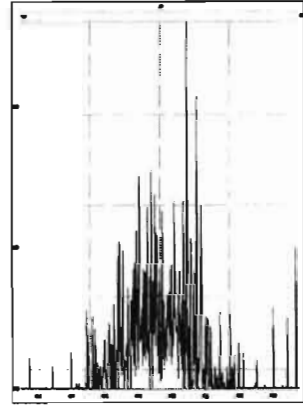
M 392.9760 R 13014



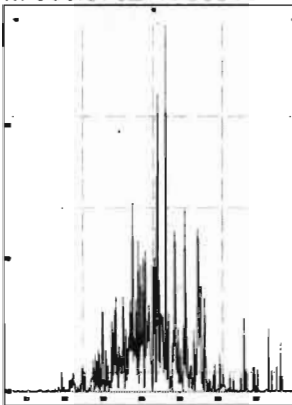
M 404.9760 R 15943



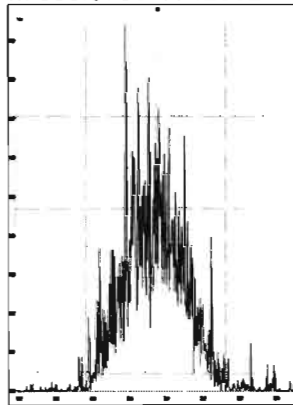
M 416.9760 R 201718



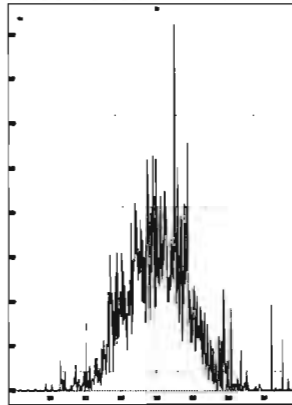
M 366.9792 R 60813



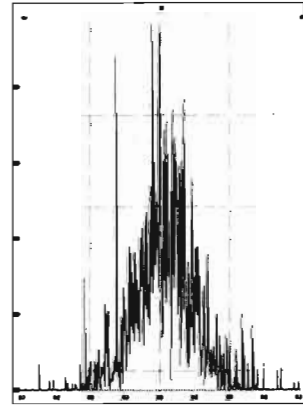
M 380.9760 R 12502



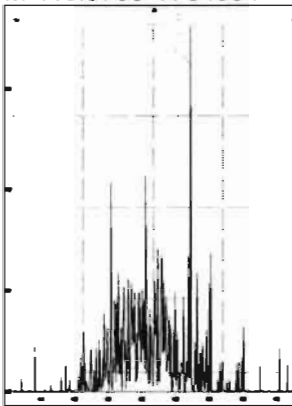
M 392.9760 R 12902



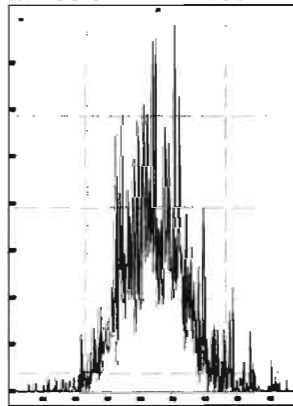
M 404.9760 R 16667



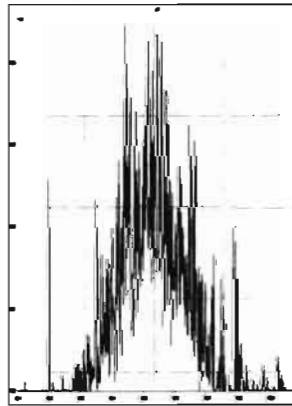
M 416.9760 R 54364



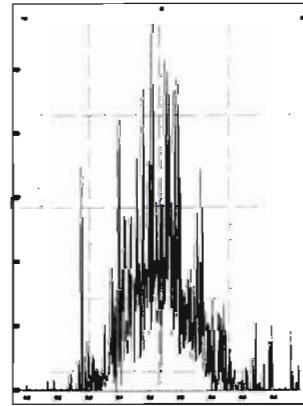
M 430.9728 R 12830



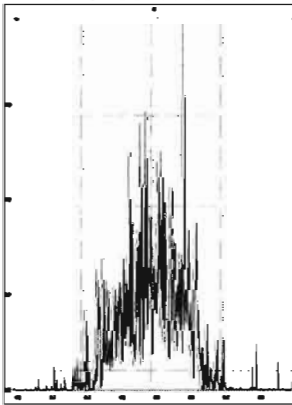
M 442.9728 R 15071



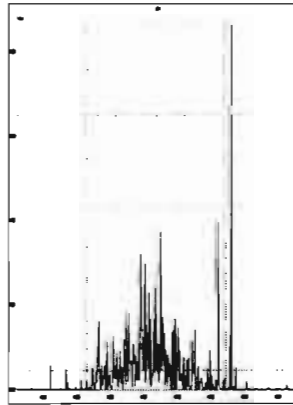
M 454.9728 R 16652



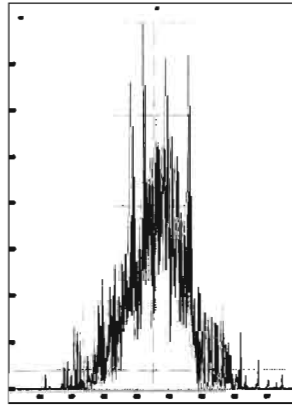
M 404.9760 R 16711



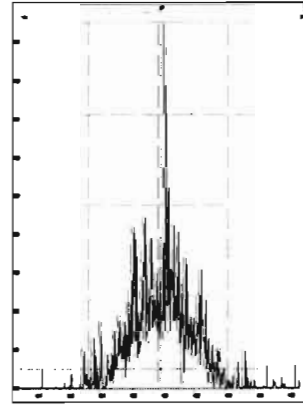
M 416.9760 R 51827



M 430.9728 R 14329

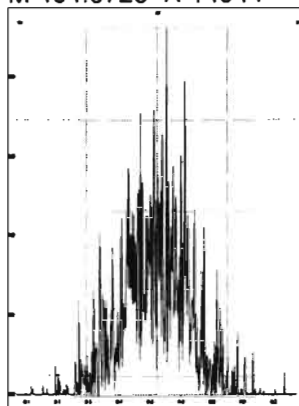


M 442.9728 R 18144

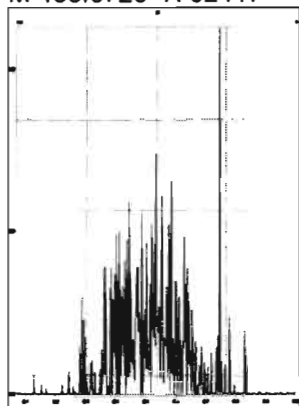


Printed: Tuesday, October 20, 2020 16:06:25 Pacific Daylight Time

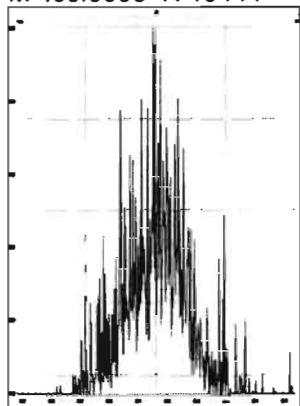
M 454.9728 R 14044



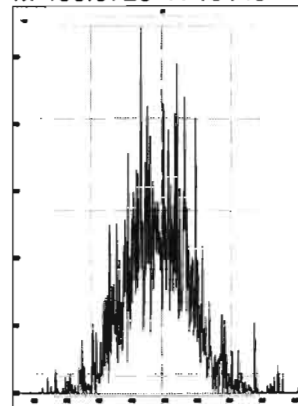
M 466.9728 R 52417



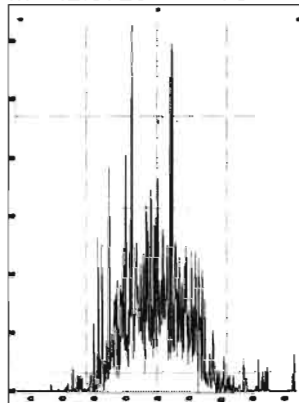
M 480.9696 R 13444



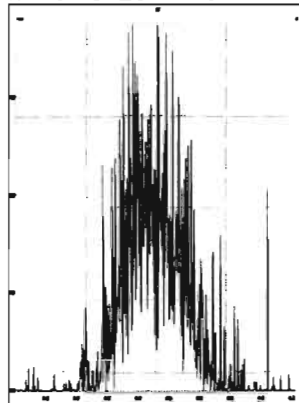
M 430.9728 R 13140



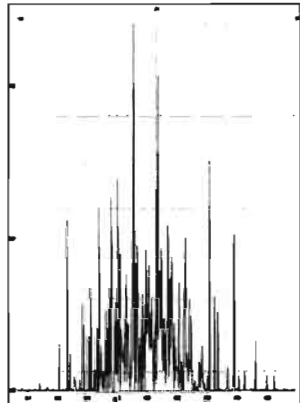
M 442.9728 R 14707



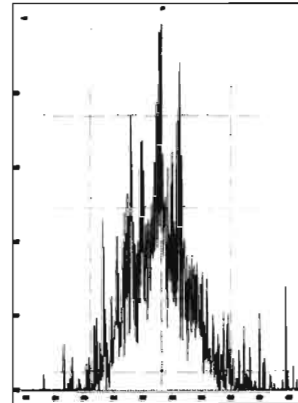
M 454.9728 R 15437



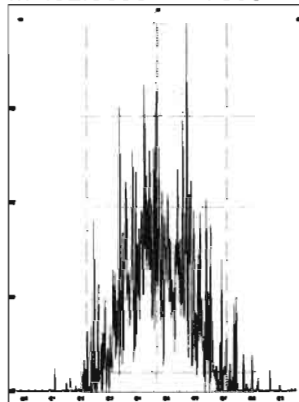
M 466.9728 R 108332



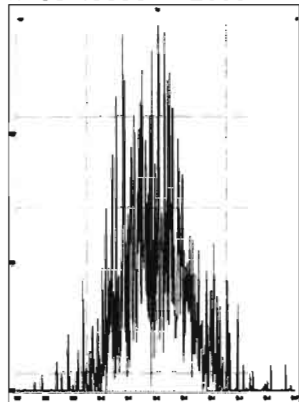
M 480.9696 R 13340



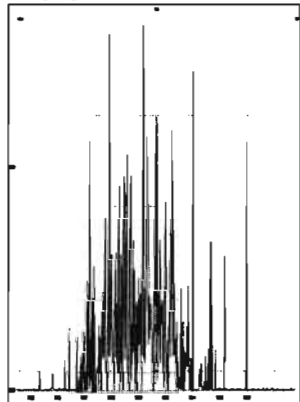
M 492.9696 R 17085



M 504.9696 R 25584



M 516.9697 R 107142



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 W/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 <sup>st</sup>

Dataset: Untitled

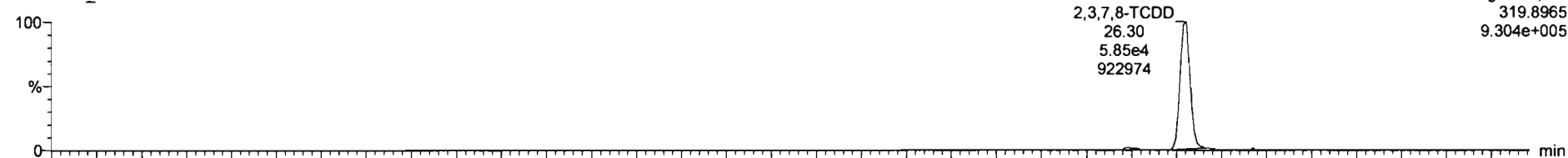
Last Altered: Tuesday, October 20, 2020 15:17:24 Pacific Daylight Time  
Printed: Tuesday, October 20, 2020 15:17:27 Pacific Daylight Time

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

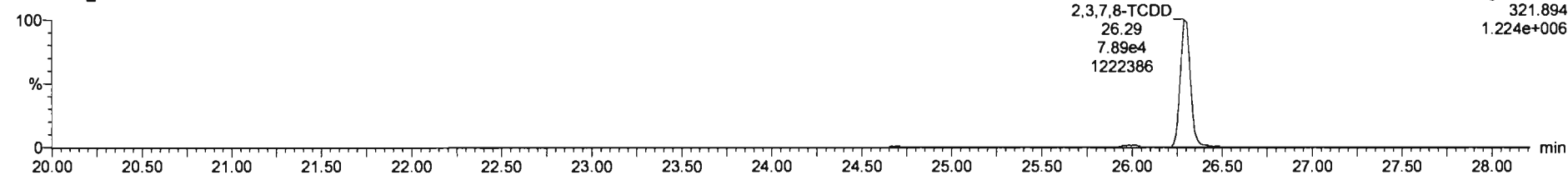
Name: 201020R1\_8, Date: 20-Oct-2020, Time: 14:29:33, ID: SS201020R1\_1 1613 SSS 20F1108, Description: 1613 SSS 20F1108

**2,3,7,8-TCDD**

201020R1\_8

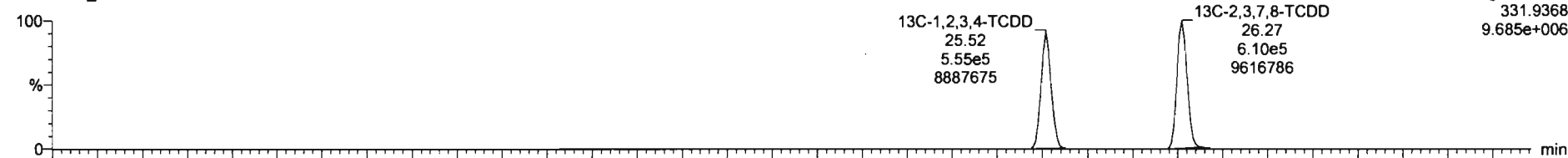


201020R1\_8

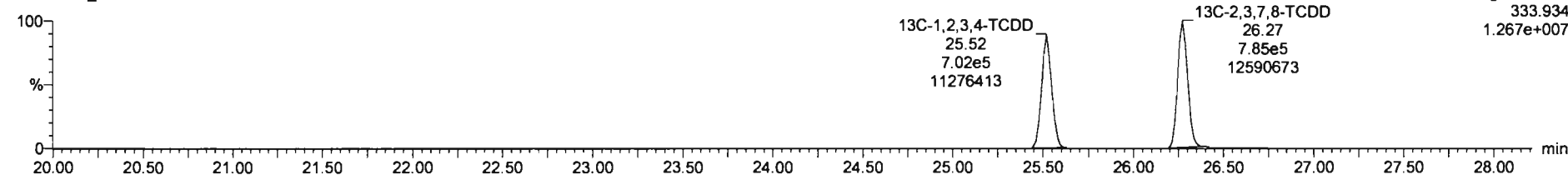


**13C-2,3,7,8-TCDD**

201020R1\_8



201020R1\_8



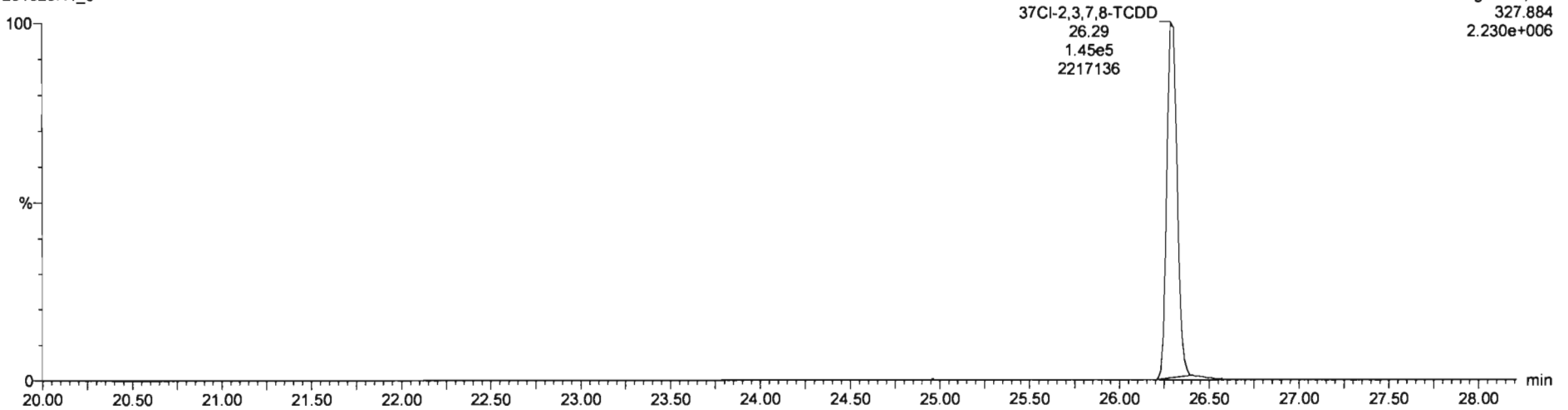
Dataset: Untitled

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

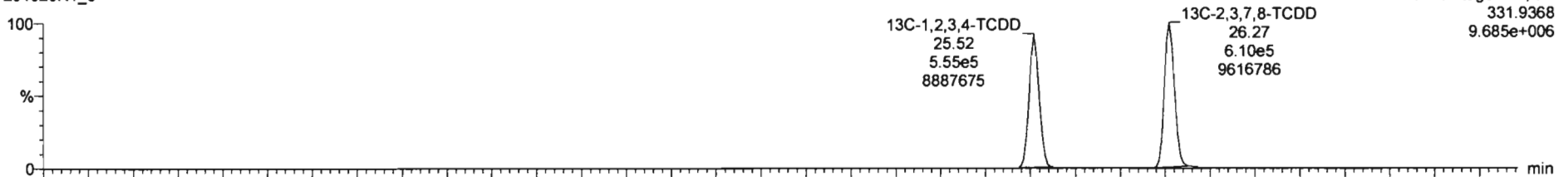
**37Cl-2,3,7,8-TCDD**

201020R1\_8

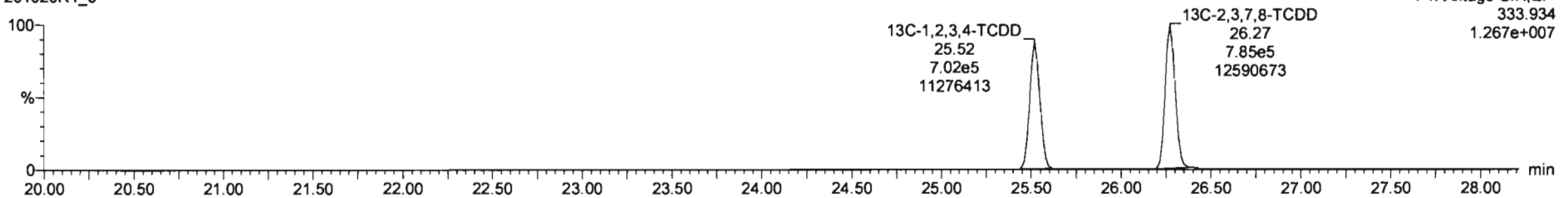


**13C-1,2,3,4-TCDD**

201020R1\_8



201020R1\_8





Dataset: Untitled

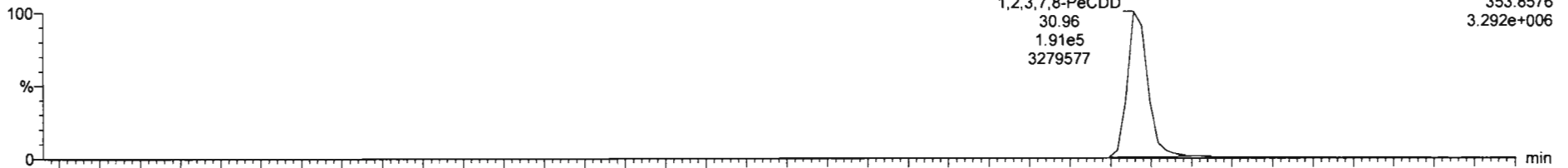
Last Altered: Tuesday, October 20, 2020 15:17:24 Pacific Daylight Time

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

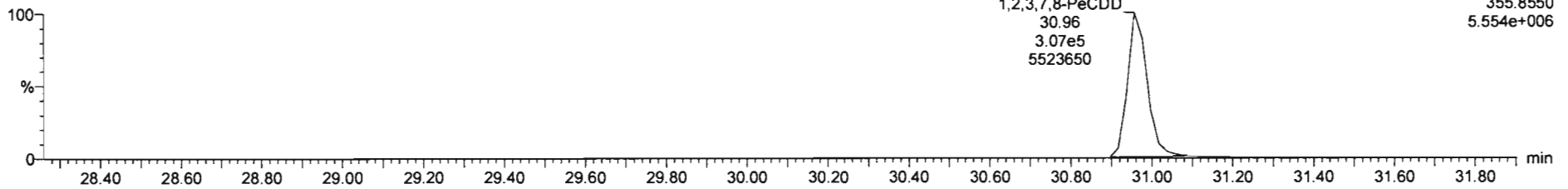
Name: 201020R1\_8, Date: 20-Oct-2020, Time: 14:29:33, ID: SS201020R1\_1 1613 SSS 20F1108, Description: 1613 SSS 20F1108

**1,2,3,7,8-PeCDD**

201020R1\_8

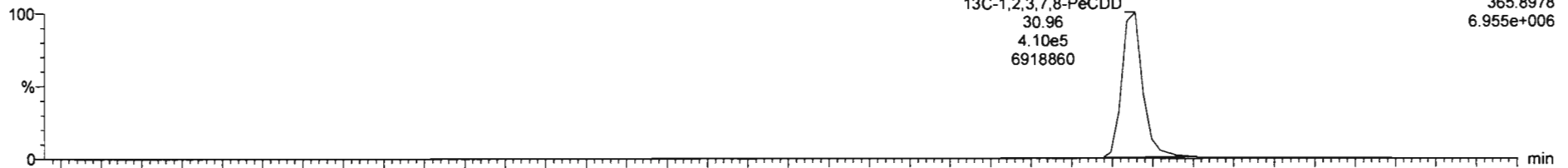


201020R1\_8

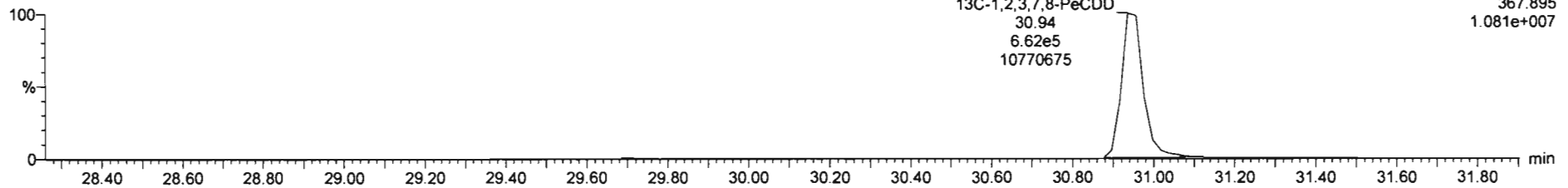


**13C-1,2,3,7,8-PeCDD**

201020R1\_8



201020R1\_8



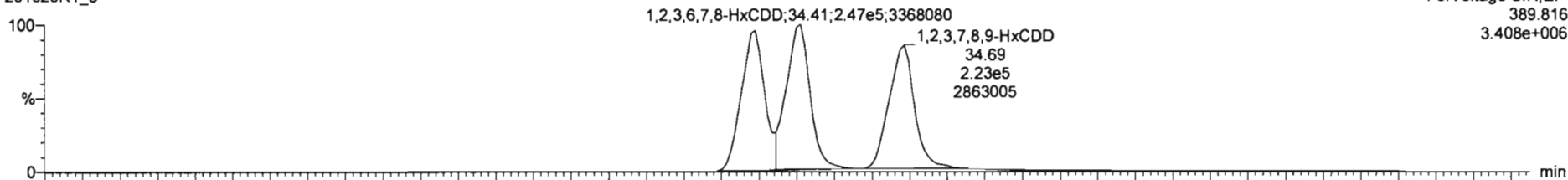
Dataset: Untitled

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

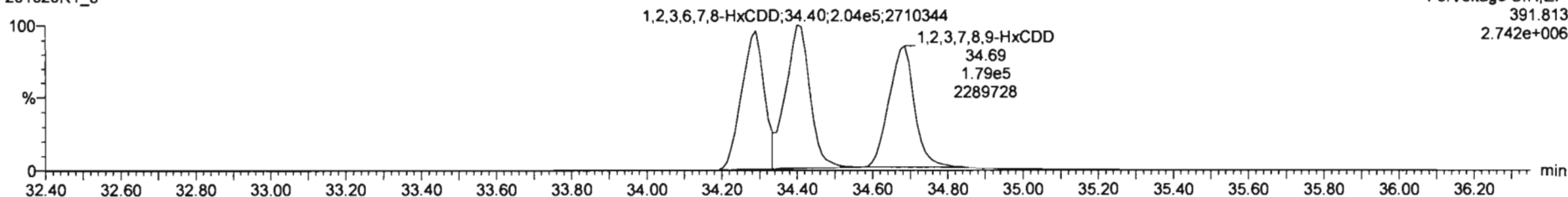
Name: 201020R1\_8, Date: 20-Oct-2020, Time: 14:29:33, ID: SS201020R1\_1 1613 SSS 20F1108, Description: 1613 SSS 20F1108

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

201020R1\_8

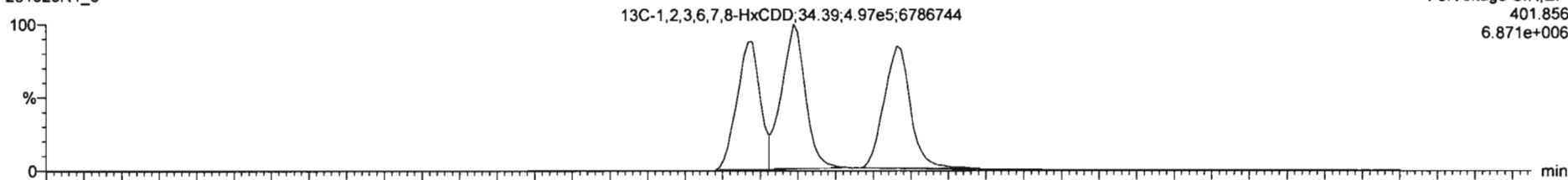


201020R1\_8

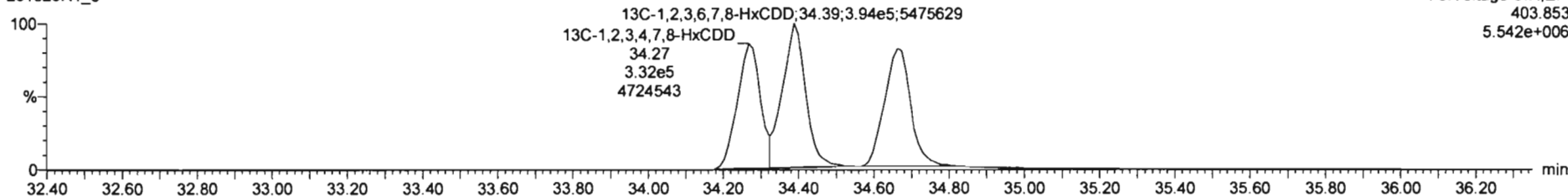


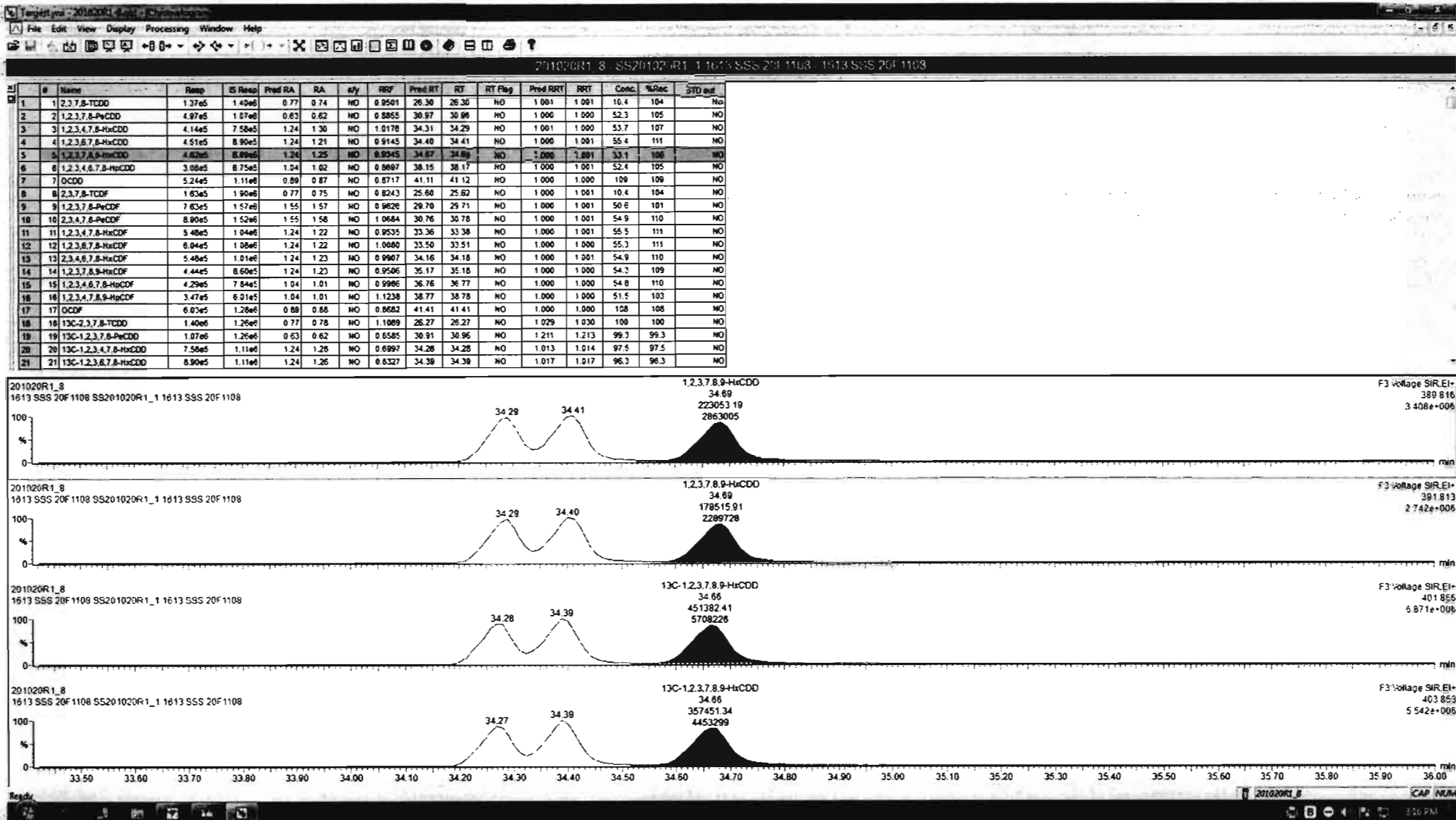
**13C-1,2,3,4,7,8-HxCDD**

201020R1\_8



201020R1\_8





Dataset: Untitled

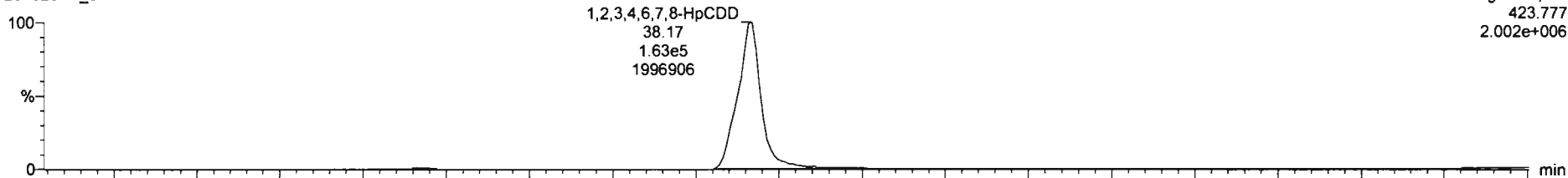
Last Altered: Tuesday, October 20, 2020 15:17:24 Pacific Daylight Time

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

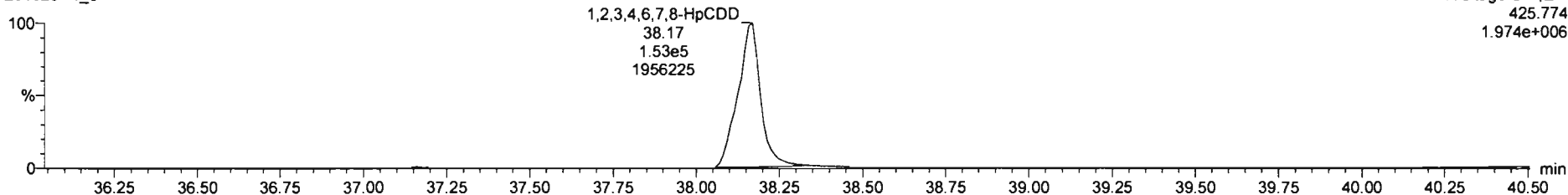
**1,2,3,4,6,7,8-HpCDD**

201020R1\_8



F4: Voltage SIR, EI+  
423.777  
2.002e+006

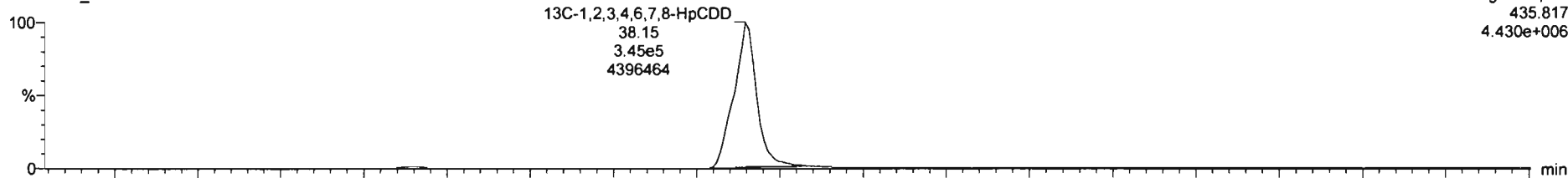
201020R1\_8



F4: Voltage SIR, EI+  
425.774  
1.974e+006

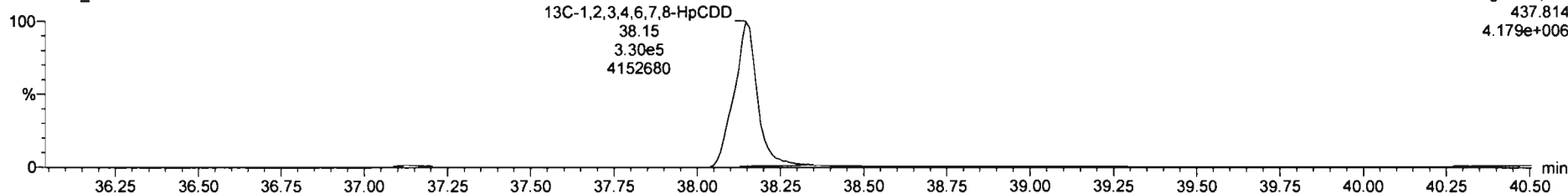
**13C-1,2,3,4,6,7,8-HpCDD**

201020R1\_8

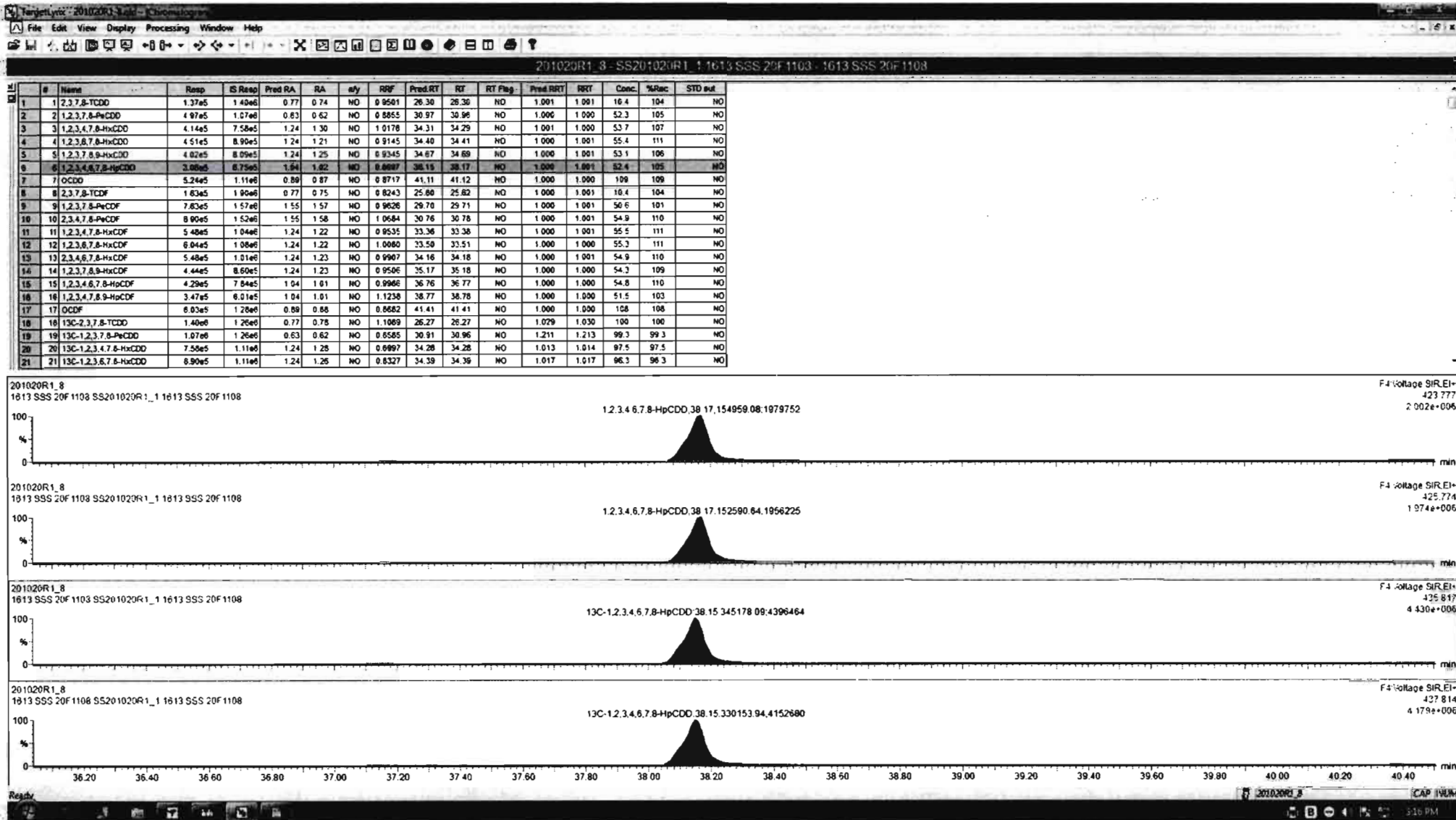


F4: Voltage SIR, EI+  
435.817  
4.430e+006

201020R1\_8



F4: Voltage SIR, EI+  
437.814  
4.179e+006



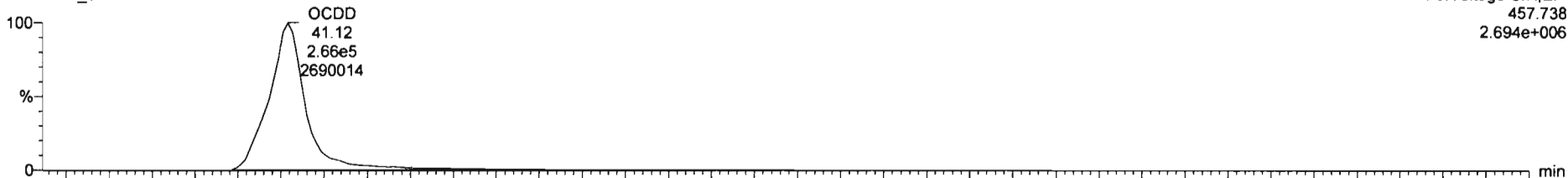
Dataset: Untitled

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

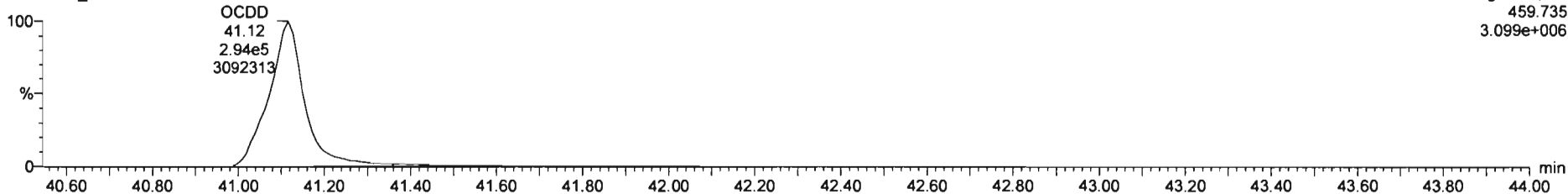
Name: 201020R1\_8, Date: 20-Oct-2020, Time: 14:29:33, ID: SS201020R1\_1 1613 SSS 20F1108, Description: 1613 SSS 20F1108

**OCDD**

201020R1\_8

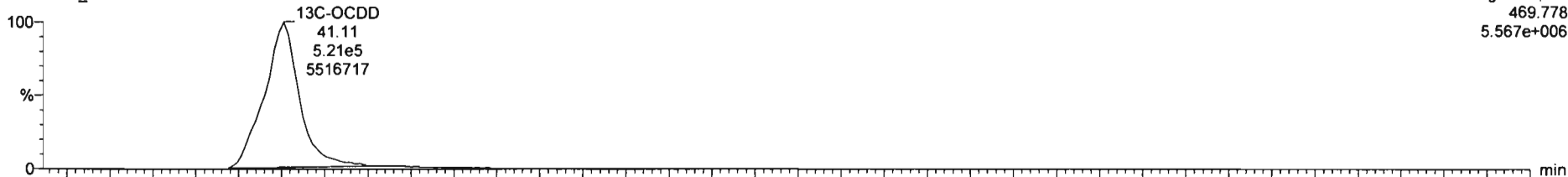


201020R1\_8

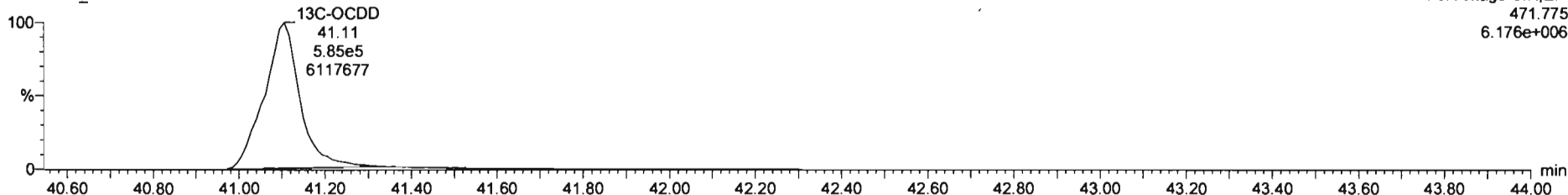


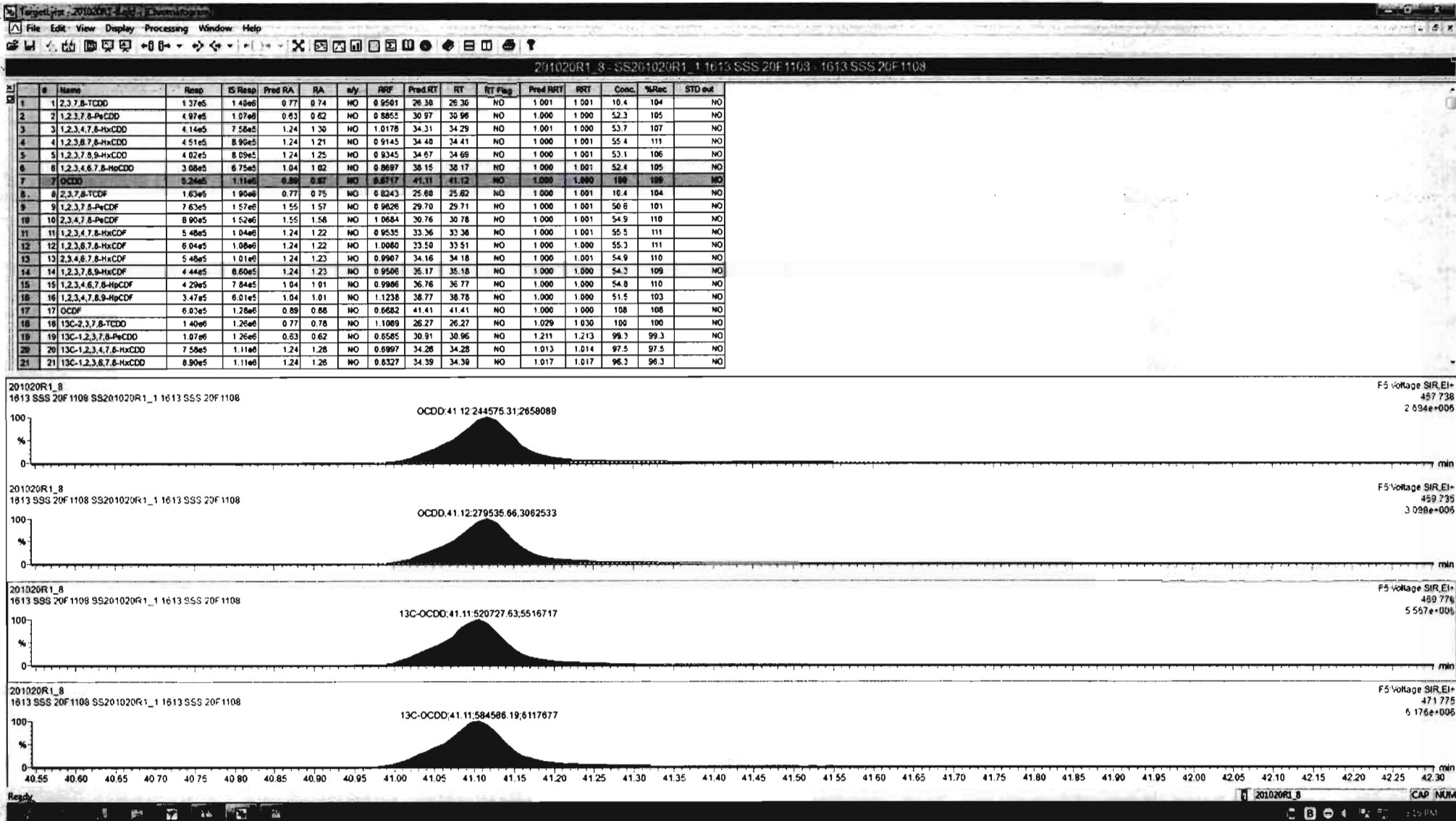
**13C-OCDD**

201020R1\_8



201020R1\_8





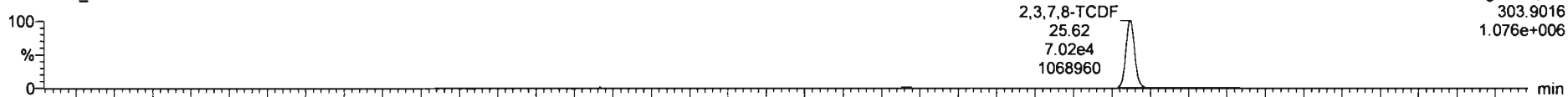
Dataset: Untitled

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

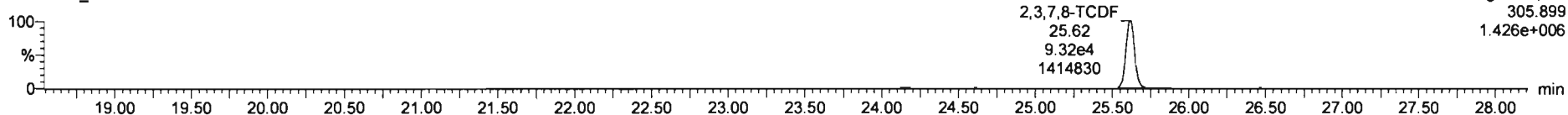
**2,3,7,8-TCDF**

201020R1\_8



F1: Voltage SIR, EI+  
303.9016  
1.076e+006

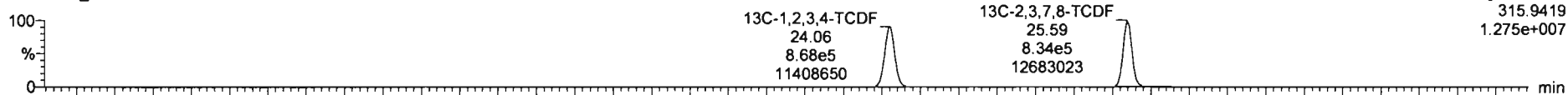
201020R1\_8



F1: Voltage SIR, EI+  
305.899  
1.426e+006

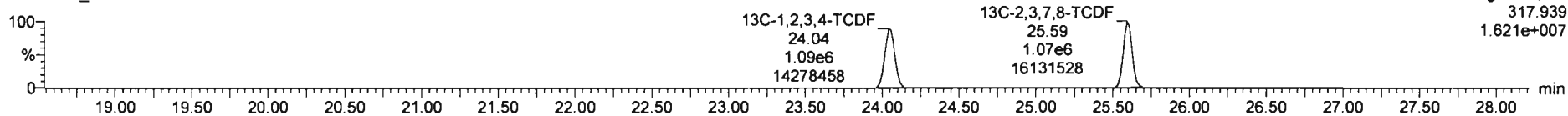
**13C-2,3,7,8-TCDF**

201020R1\_8



F1: Voltage SIR, EI+  
315.9419  
1.275e+007

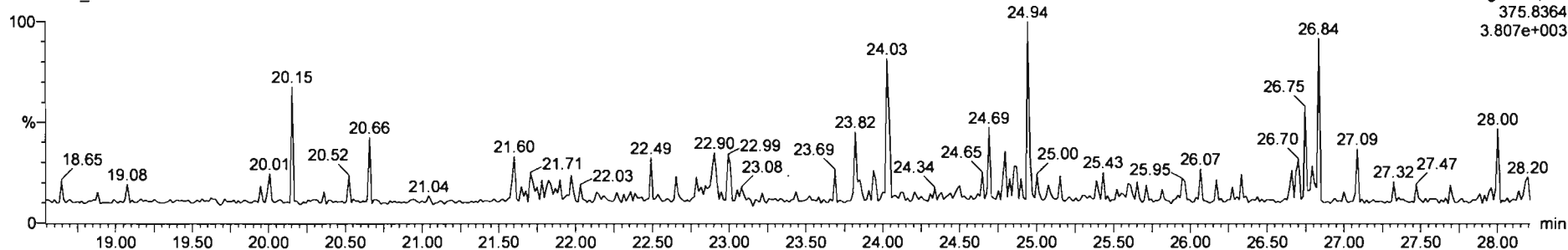
201020R1\_8



F1: Voltage SIR, EI+  
317.939  
1.621e+007

**DPE1**

201020R1\_8



F1: Voltage SIR, EI+  
375.8364  
3.807e+003



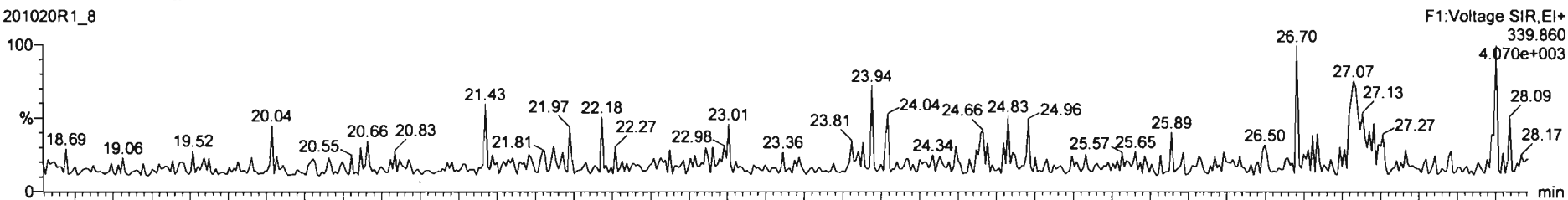
Dataset: Untitled

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

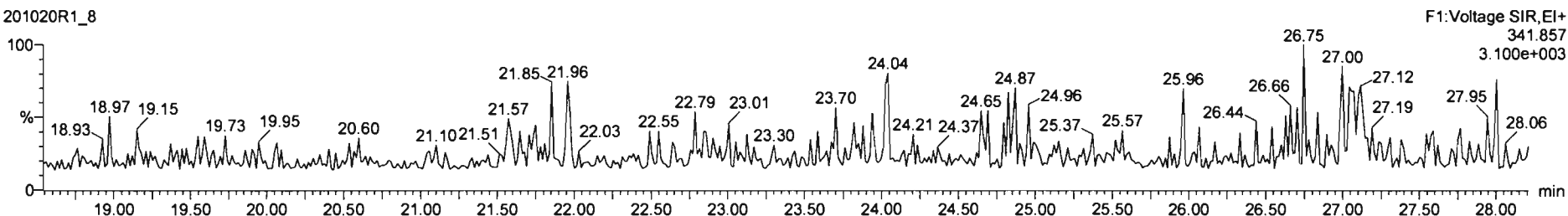
Name: 201020R1\_8, Date: 20-Oct-2020, Time: 14:29:33, ID: SS201020R1\_1 1613 SSS 20F1108, Description: 1613 SSS 20F1108

1st Func. Penta-Furans

201020R1\_8

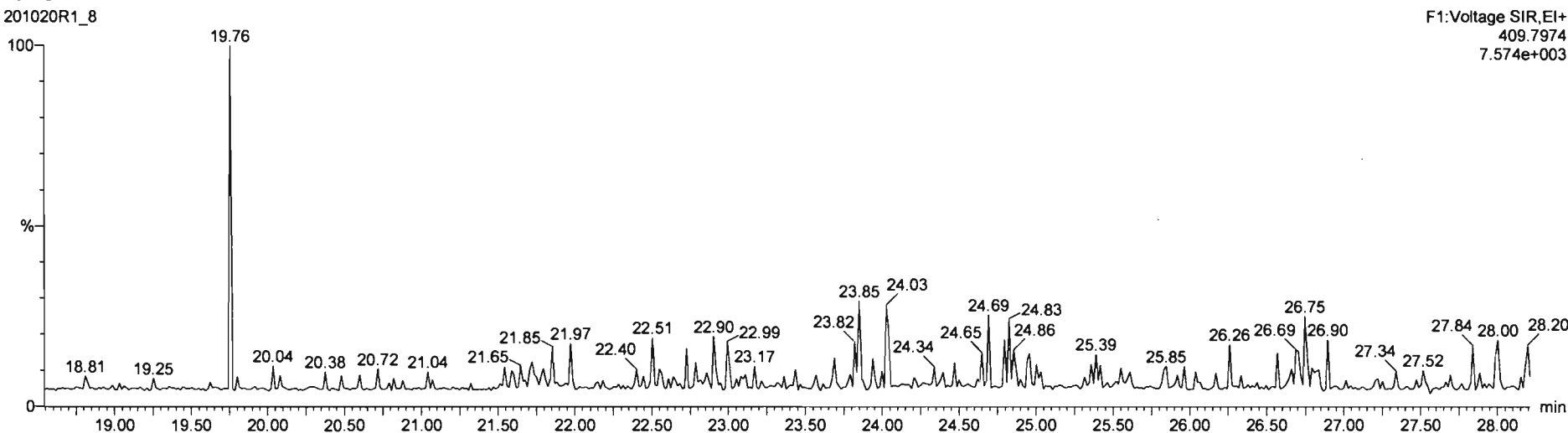


201020R1\_8



DPE6

201020R1\_8



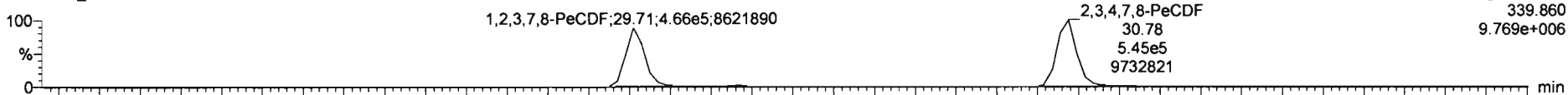
Dataset: Untitled

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

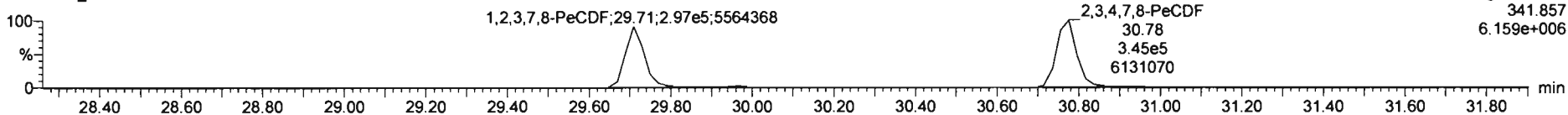
**1,2,3,7,8-PeCDF**

201020R1\_8



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

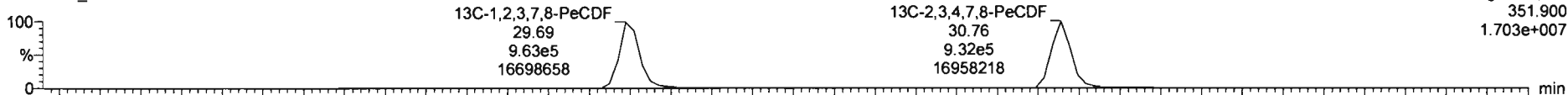
201020R1\_8



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

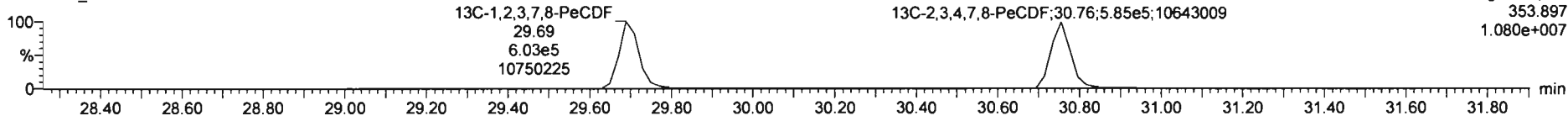
**13C-1,2,3,7,8-PeCDF**

201020R1\_8



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

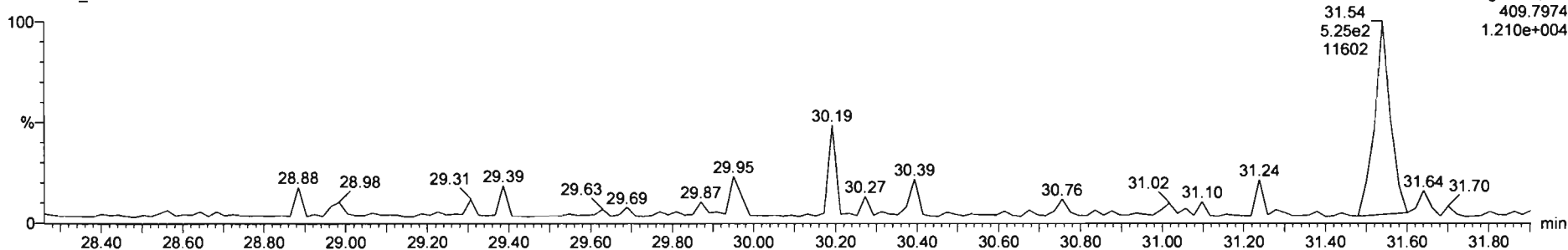
201020R1\_8



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

**DPE2**

201020R1\_8



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

Dataset: Untitled

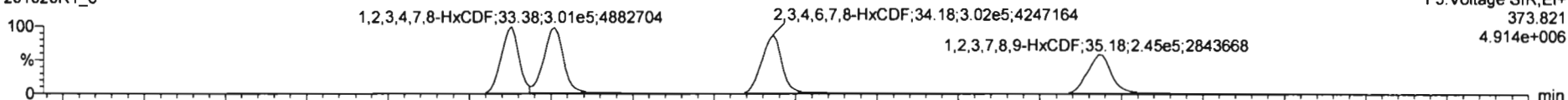
Last Altered: Tuesday, October 20, 2020 15:17:24 Pacific Daylight Time

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

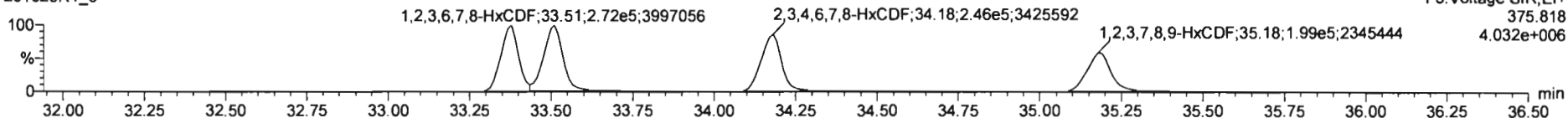
Name: 201020R1\_8, Date: 20-Oct-2020, Time: 14:29:33, ID: SS201020R1\_1 1613 SSS 20F1108, Description: 1613 SSS 20F1108

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

201020R1\_8

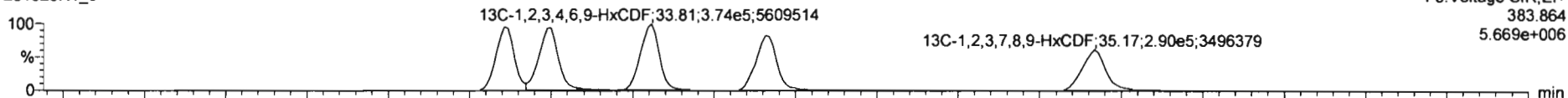


201020R1\_8

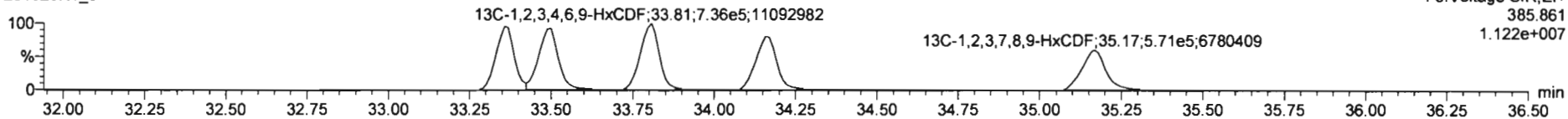


**13C-1,2,3,4,7,8-HxCDF**

201020R1\_8

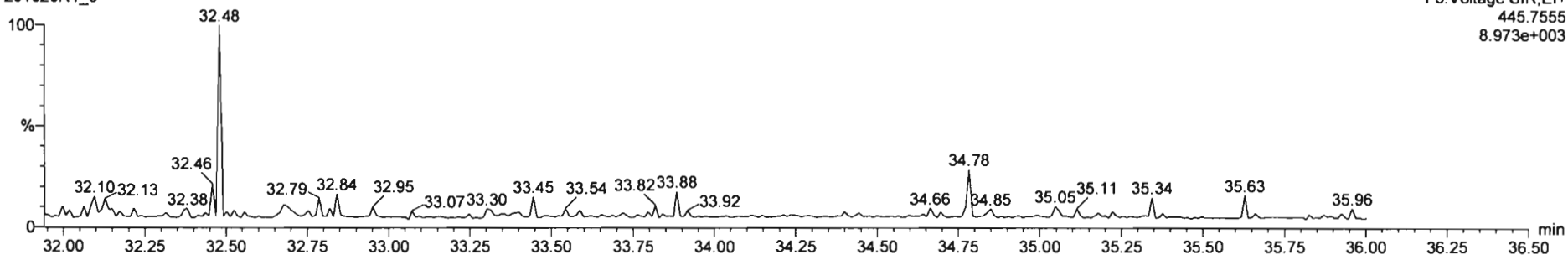


201020R1\_8



**DPE3**

201020R1\_8



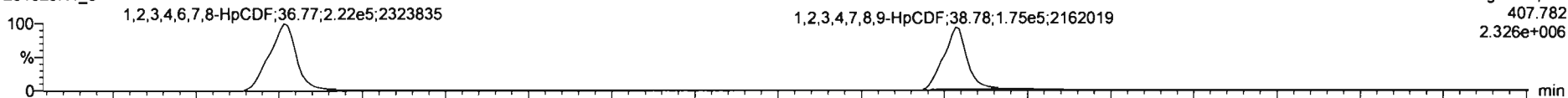
Dataset: Untitled

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

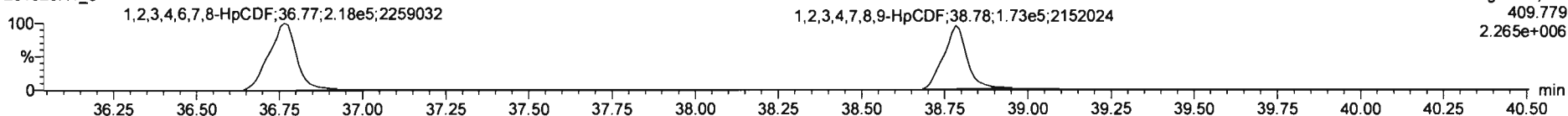
Name: 201020R1\_8, Date: 20-Oct-2020, Time: 14:29:33, ID: SS201020R1\_1 1613 SSS 20F1108, Description: 1613 SSS 20F1108

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

201020R1\_8

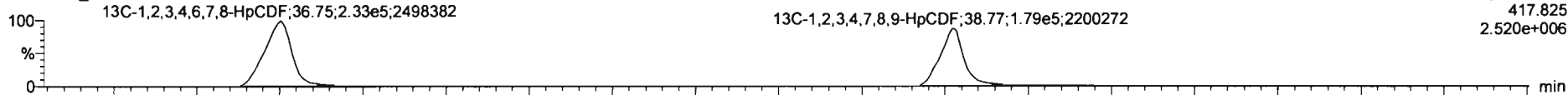


201020R1\_8

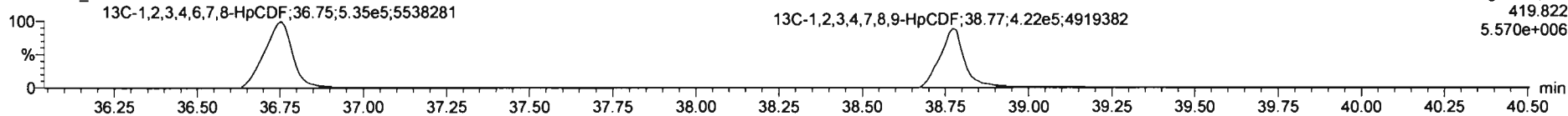


**13C-1,2,3,4,6,7,8-HpCDF**

201020R1\_8

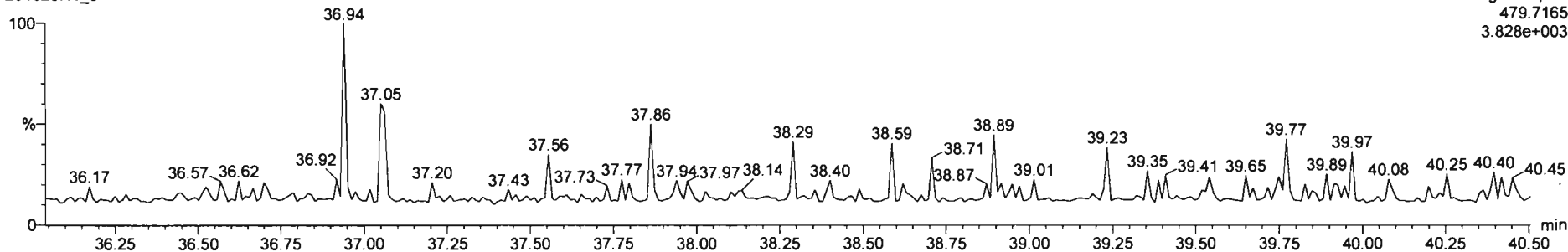


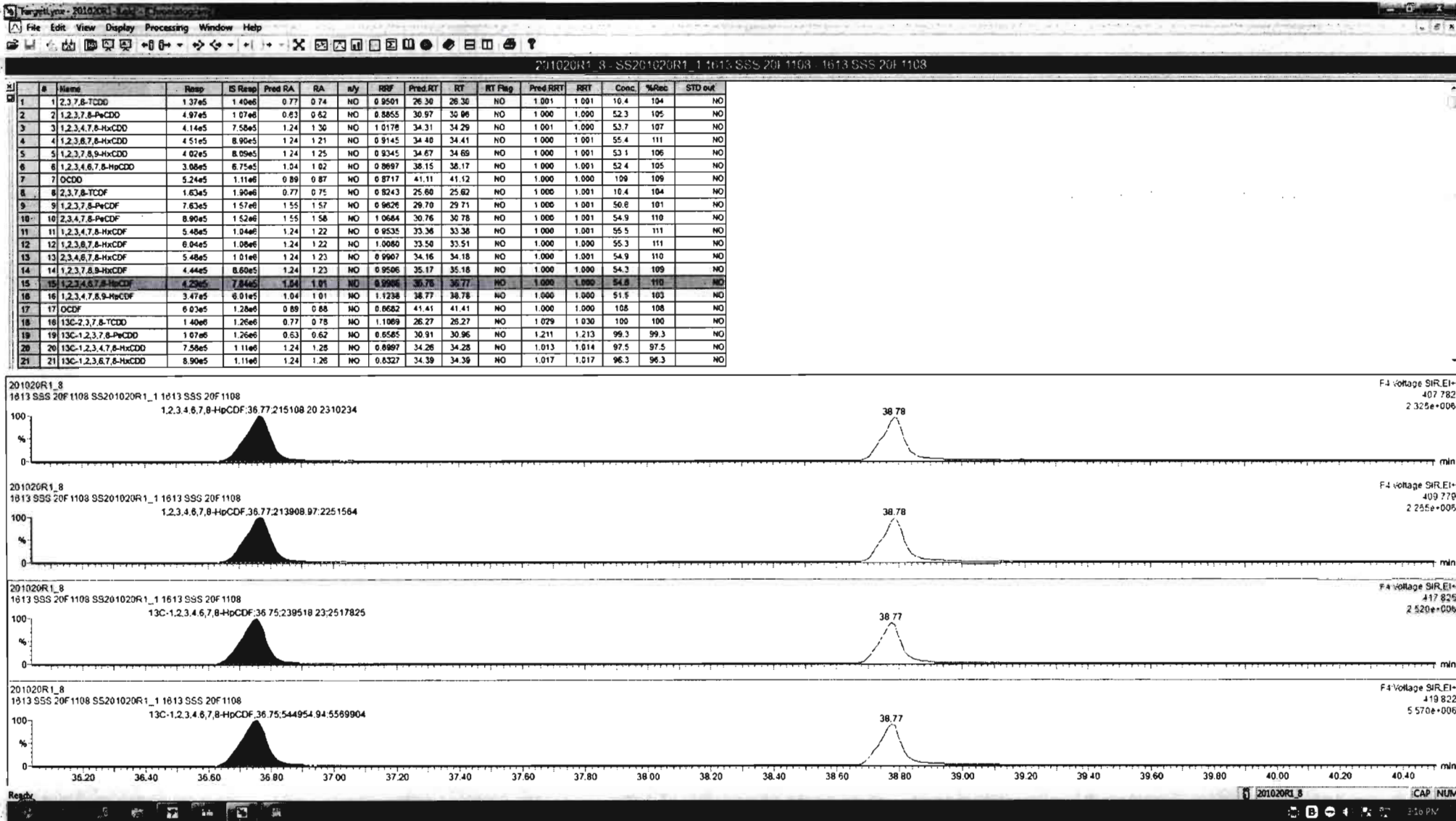
201020R1\_8



**DPE4**

201020R1\_8





Dataset: Untitled

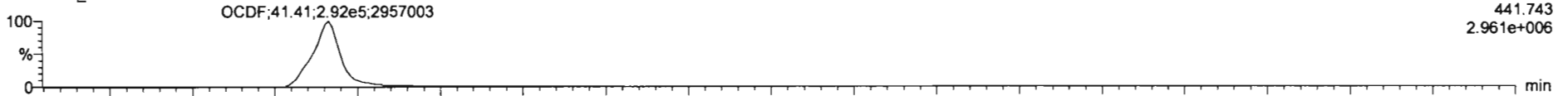
Last Altered: Tuesday, October 20, 2020 15:17:24 Pacific Daylight Time

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

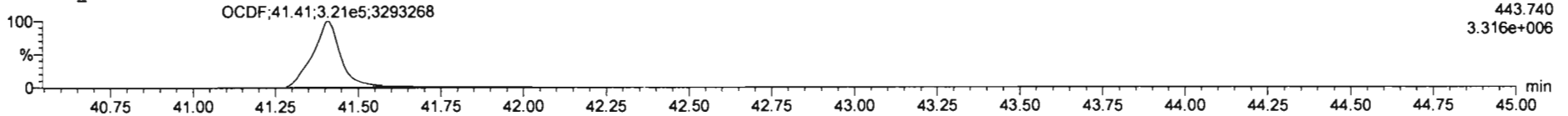
Name: 201020R1\_8, Date: 20-Oct-2020, Time: 14:29:33, ID: SS201020R1\_1 1613 SSS 20F1108, Description: 1613 SSS 20F1108

**OCDF**

201020R1\_8

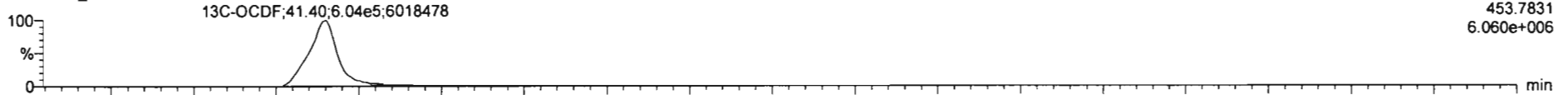


201020R1\_8

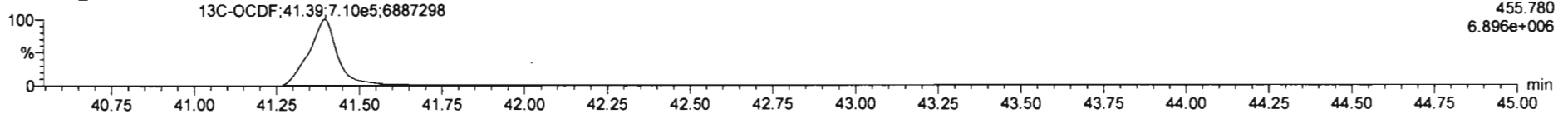


**13C-OCDF**

201020R1\_8

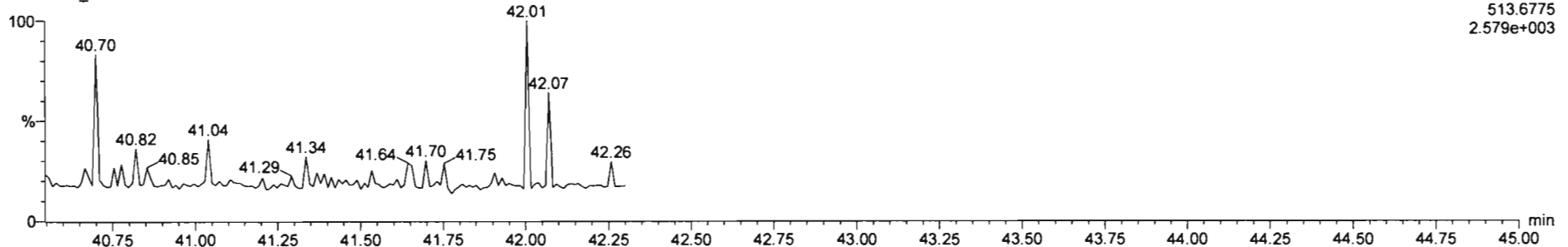


201020R1\_8

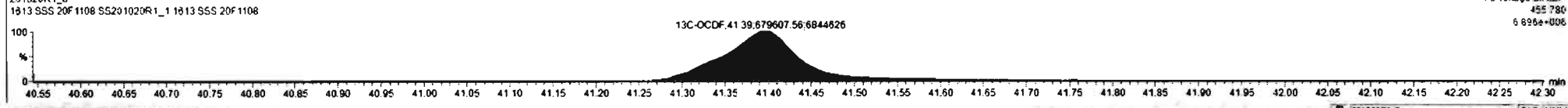
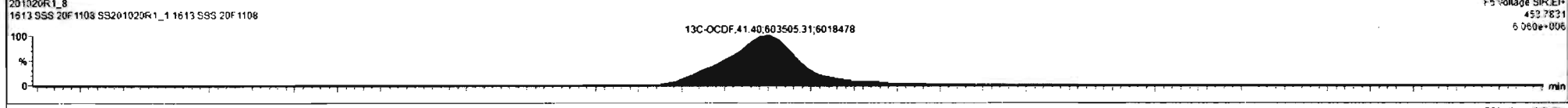
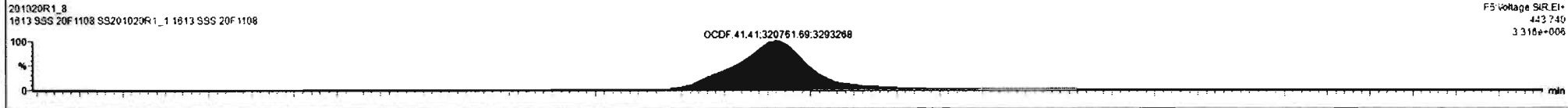
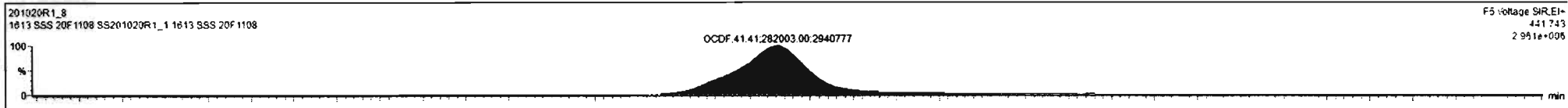


**DPE5**

201020R1\_8



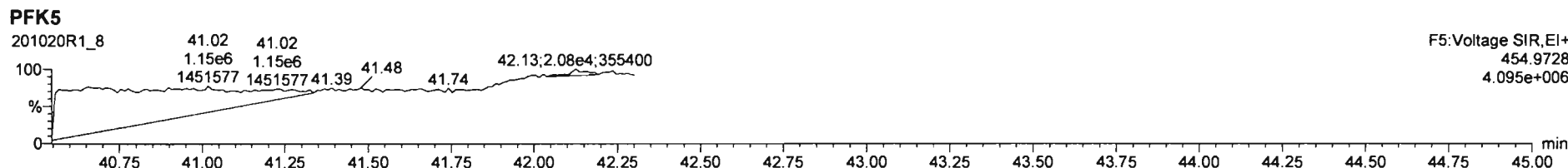
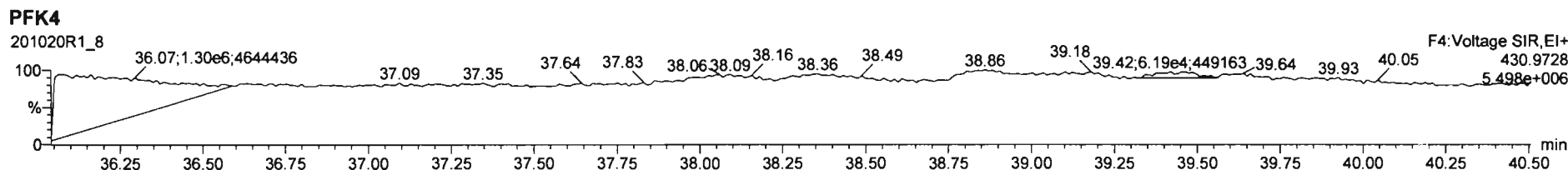
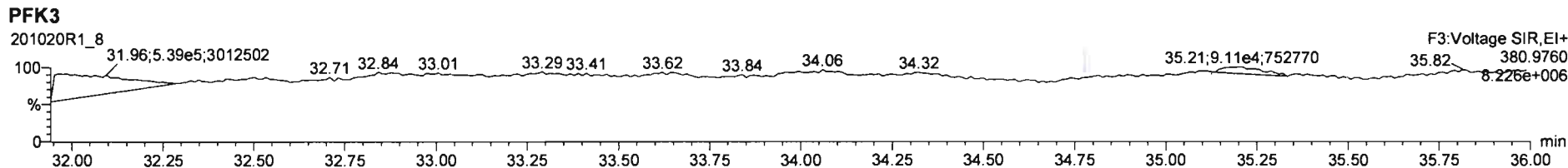
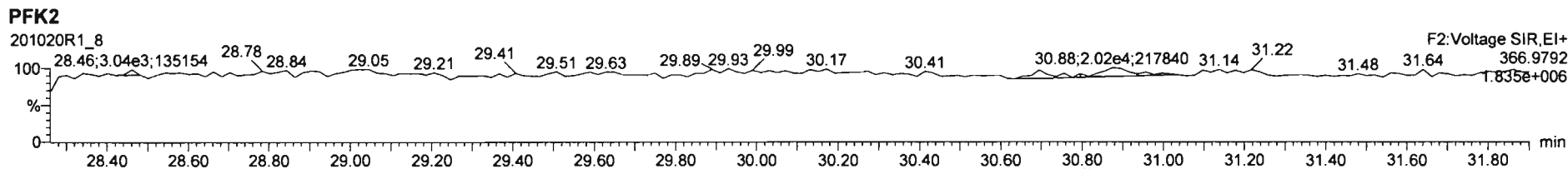
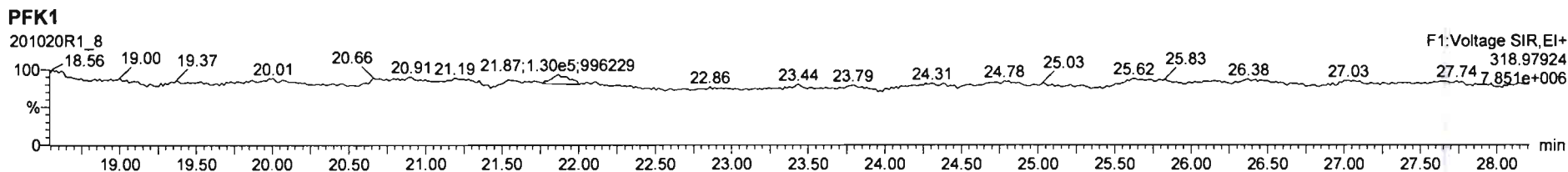
#	Name	Resp	IS Resp	Pred RA	RA	aly	RPF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc.	%Rec	STD out
1	1,2,3,7,8-TCDD	1.37e5	1.40e6	0.77	0.74	NO	0.9501	26.30	26.30	NO	1.001	1.001	16.4	104	NO
2	1,2,3,7,8-PeCDD	4.97e5	1.07e6	0.63	0.62	NO	0.8855	30.97	30.96	NO	1.000	1.000	52.3	105	NO
3	1,2,3,4,7,8-HxCDD	4.14e5	7.58e5	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	0.8882	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

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





Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

*hr 6/2/2020*

*GT 06/02/2020*

*Begin Rescheck: 1 mass under 10K*

*End Rescheck: some mass affected by column bleed.*

Method: Untitled 01 Jun 2020 09:39:00

Calibration: U:\VG11.PRO\CurveDB\cb1\_PCBvg11-6-1-20.cdb 02 Jun 2020 10:21:16

*-1 mass under 10K*

Compound name: PCB-1

Response Factor: 1.1683

RRF SD: 0.0700662, Relative SD: 5.99729

Response type: Internal Std ( Ref 169 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	ny	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	2.96	NO	15.52	1.001	6.24e3	2.37e6	0.225	-9.8	1.05	MM
200601K1_2	1.00	3.13	NO	15.53	1.001	2.90e4	2.53e6	0.981	-1.9	1.15	bb
200601K1_3	2.50	3.13	NO	15.56	1.002	7.00e4	2.46e6	2.44	-2.6	1.14	bb
200601K1_4	50.0	3.09	NO	15.54	1.001	1.47e6	2.44e6	51.7	3.3	1.21	bb
200601K1_5	400	3.02	NO	15.54	1.001	1.26e7	2.52e6	426	6.5	1.24	bb
200601K1_6	1000	3.09	NO	15.56	1.002	2.96e7	2.44e6	1040	4.4	1.22	bb

Compound name: PCB-2

Response Factor: 1.1828

RRF SD: 0.0716252, Relative SD: 6.05556

Response type: Internal Std ( Ref 170 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	ny	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	3.12	NO	17.93	0.988	8.58e3	2.41e6	0.231	-7.7	1.09	bb
200601K1_2	1.00	3.07	NO	17.94	0.988	2.89e4	2.58e6	0.945	-5.5	1.12	bb
200601K1_3	2.50	3.06	NO	17.95	0.988	7.31e4	2.54e6	2.43	-2.6	1.15	bb
200601K1_4	50.0	3.10	NO	17.95	0.988	1.51e6	2.46e6	51.9	3.8	1.23	bb
200601K1_5	400	3.09	NO	17.95	0.988	1.30e7	2.59e6	426	6.5	1.26	bb
200601K1_6	1000	3.10	NO	17.95	0.988	3.06e7	2.47e6	1060	5.6	1.25	bb

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-3  
 Response Factor: 1.14833  
 RRF SD: 0.0822518, Relative SD: 7.16272  
 Response type: Internal Std ( Ref 170 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc.	RA	n/y	RT	RRF	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200601K1_1	0.250	3.08	NO	18.17	1.001	6.28e3	2.41e6	0.227	-9.2	1.04	MM
2	200601K1_2	1.00	2.84	NO	18.18	1.001	2.75e4	2.58e6	0.928	-7.2	1.07	bb
3	200601K1_3	2.50	3.01	NO	18.19	1.001	7.13e4	2.54e6	2.45	-2.1	1.12	bb
4	200601K1_4	50.0	3.06	NO	18.19	1.001	1.48e6	2.46e6	52.8	5.1	1.21	bb
5	200601K1_5	400	3.08	NO	18.19	1.001	1.27e7	2.59e6	428	7.1	1.23	bb
6	200601K1_6	1000	3.07	NO	18.19	1.001	3.01e7	2.47e6	1060	6.3	1.22	bb

Compound name: PCB-4/10  
 Response Factor: 1.24809  
 RRF SD: 0.0718691, Relative SD: 5.75833  
 Response type: Internal Std ( Ref 171 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc.	RA	n/y	RT	RRF	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200601K1_1	0.500	1.39	NO	19.58	1.004	9.34e3	1.57e6	0.477	-4.5	1.19	MM
2	200601K1_2	2.00	1.82	NO	19.59	1.004	4.01e4	1.72e6	1.87	-6.5	1.17	MM
3	200601K1_3	5.00	1.58	NO	19.60	1.004	9.94e4	1.67e6	4.78	-4.5	1.19	MM
4	200601K1_4	100	1.53	NO	19.60	1.004	2.09e6	1.62e6	104	3.5	1.29	MM
5	200601K1_5	800	1.55	NO	19.60	1.004	1.82e7	1.72e6	850	6.2	1.33	MM
6	200601K1_6	2000	1.55	NO	19.60	1.004	4.30e7	1.63e6	2110	5.7	1.32	MM

Compound name: PCB-7/9  
 Response Factor: 0.960107  
 RRF SD: 0.0555849, Relative SD: 5.76736  
 Response type: Internal Std ( Ref 172 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc.	RA	n/y	RT	RRF	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200601K1_1	0.500	1.37	NO	21.37	1.002	1.15e4	2.57e6	0.467	-6.8	0.896	MM
2	200601K1_2	2.00	1.86	NO	21.40	1.003	5.04e4	2.77e6	1.90	-5.2	0.910	MM

Dataset: U:\VG11.PRO\Results\200801K1\200801K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-7/9

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_3	5.00	1.59	NO	21.38	1.002	1.26e5	2.71e6	4.84	-3.2	0.930	bb
200801K1_4	100	1.55	NO	21.41	1.003	2.56e6	2.81e6	103	2.5	0.985	bb
200801K1_5	800	1.55	NO	21.40	1.002	2.25e7	2.73e6	859	7.3	1.03	bb
200801K1_6	2000	1.55	NO	21.41	1.003	5.31e7	2.83e6	2100	5.1	1.01	bb

Compound name: PCB-8

Response Factor: 1.02356

RRF SD: 0.0533669, Relative SD: 5.21385

Response type: Internal Std ( Ref 172 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	0.250	1.35	NO	22.04	1.033	6.56e3	2.57e6	0.249	-0.3	1.02	MM
200801K1_2	1.00	1.61	NO	22.05	1.033	2.62e4	2.77e6	0.925	-7.5	0.947	bb
200801K1_3	2.50	1.52	NO	22.06	1.033	6.65e4	2.71e6	2.40	-4.1	0.981	bb
200801K1_4	50.0	1.56	NO	22.06	1.033	1.35e6	2.81e6	50.5	0.9	1.03	bb
200801K1_5	400	1.57	NO	22.06	1.033	1.19e7	2.73e6	425	6.4	1.09	bb
200801K1_6	1000	1.56	NO	22.06	1.033	2.82e7	2.83e6	1050	4.8	1.07	bb

Compound name: PCB-5/8

Response Factor: 0.992495

RRF SD: 0.0686245, Relative SD: 6.71283

Response type: Internal Std ( Ref 172 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	0.500	1.47	NO	22.45	1.053	1.15e4	2.57e6	0.452	-9.5	0.898	MM
200801K1_2	2.00	1.46	NO	22.45	1.052	5.24e4	2.77e6	1.91	-4.7	0.946	MM
200801K1_3	5.00	1.56	NO	22.46	1.052	1.31e5	2.71e6	4.86	-2.9	0.964	bb
200801K1_4	100	1.55	NO	22.46	1.052	2.88e6	2.81e6	103	3.5	1.03	bb
200801K1_5	800	1.55	NO	22.46	1.052	2.33e7	2.73e6	859	7.4	1.07	bb
200801K1_6	2000	1.55	NO	22.46	1.052	5.55e7	2.83e6	2120	6.2	1.05	bb

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-14  
 Response Factor: 1.01729  
 RRF SD: 0.0674193, Relative SD: 6.62732  
 Response type: Internal Std ( Ref 173 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	nlv	RT	RRF	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.49	NO	23.59	0.952	5.81e3	2.53e6	0.225	-9.8	0.917	MM
200601K1_2	1.00	1.55	NO	23.59	0.951	2.68e4	2.70e6	0.977	-2.3	0.994	bb
200601K1_3	2.50	1.59	NO	23.60	0.951	6.61e4	2.71e6	2.40	-4.1	0.975	bd
200601K1_4	50.0	1.57	NO	23.60	0.951	1.35e6	2.56e6	51.9	3.9	1.06	bb
200601K1_5	400	1.55	NO	23.60	0.951	1.19e7	2.70e6	433	8.3	1.10	bb
200601K1_6	1000	1.57	NO	23.60	0.951	2.85e7	2.69e6	1040	4.1	1.06	bb

Compound name: PCB-11  
 Response Factor: 1.12639  
 RRF SD: 0.0395035, Relative SD: 3.50708  
 Response type: Internal Std ( Ref 173 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	nlv	RT	RRF	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.34	NO	24.81	1.001	7.25e3	2.53e6	0.254	1.7	1.15	MM
200601K1_2	1.00	1.51	NO	24.81	1.001	2.94e4	2.70e6	0.967	-3.3	1.09	MM
200601K1_3	2.50	1.51	NO	24.82	1.001	7.22e4	2.71e6	2.37	-5.3	1.07	db
200601K1_4	50.0	1.57	NO	24.82	1.001	1.46e6	2.56e6	50.8	1.5	1.14	MM
200601K1_5	400	1.56	NO	24.82	1.001	1.26e7	2.70e6	415	3.8	1.17	db
200601K1_6	1000	1.57	NO	24.82	1.001	3.07e7	2.69e6	1020	1.8	1.14	db

Compound name: PCB-12/13  
 Response Factor: 1.02668  
 RRF SD: 0.0663406, Relative SD: 6.46163  
 Response type: Internal Std ( Ref 173 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	nlv	RT	RRF	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.500	1.36	NO	25.18	1.016	1.35e4	2.53e6	0.518	3.7	1.06	MM
200601K1_2	2.00	1.58	NO	25.25	1.016	5.17e4	2.70e6	1.87	-6.7	0.958	MM

Dataset: U:\VG11.PRO\Results\200801K1\200801K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-12/13

Name	Std Conc	RA	Hy	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200801K1_3	5.00	1.60	NO	25.20	1.016	1.34e5	2.71e6	4.80	-4.0	0.985	MM
200801K1_4	100	1.54	NO	25.20	1.016	2.71e6	2.56e6	103	3.3	1.06	MM
200801K1_5	800	1.54	NO	25.20	1.016	2.37e7	2.70e6	855	6.9	1.10	MM
200801K1_6	2000	1.56	NO	25.20	1.016	5.78e7	2.69e6	2100	4.8	1.08	MM

Compound name: PCB-15

Response Factor: 1.03482

RRF SD: 0.0605674, Relative SD: 5.85293

Response type: Internal Std ( Ref 173 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	Hy	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200801K1_1	0.250	1.40	NO	25.53	1.030	6.04e3	2.53e6	0.231	-7.8	0.954	MM
200801K1_2	1.00	1.58	NO	25.54	1.030	2.67e4	2.70e6	0.954	-4.6	0.987	MM
200801K1_3	2.50	1.51	NO	25.55	1.030	6.80e4	2.71e6	2.42	-3.1	1.00	MM
200801K1_4	50.0	1.55	NO	25.55	1.030	1.39e6	2.56e6	52.4	4.7	1.06	MM
200801K1_5	400	1.55	NO	25.55	1.030	1.18e7	2.70e6	423	5.8	1.10	MM
200801K1_6	1000	1.55	NO	25.55	1.030	2.92e7	2.69e6	1050	4.9	1.09	MM

Compound name: PCB-19

Response Factor: 1.10626

RRF SD: 0.0710209, Relative SD: 6.41991

Response type: Internal Std ( Ref 174 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	Hy	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200801K1_1	0.250	1.12	NO	23.77	1.001	3.44e3	1.32e6	0.236	-5.6	1.04	MM
200801K1_2	1.00	1.08	NO	23.78	1.001	1.48e4	1.42e6	0.945	-5.5	1.05	bb
200801K1_3	2.50	1.05	NO	23.78	1.001	3.64e4	1.39e6	2.36	-5.7	1.04	MM
200801K1_4	50.0	1.01	NO	23.78	1.001	7.58e5	1.33e6	51.5	3.1	1.14	bb
200801K1_5	400	1.02	NO	23.78	1.001	6.75e6	1.40e6	435	6.8	1.20	bb
200801K1_6	1000	1.02	NO	23.78	1.001	1.61e7	1.39e6	1050	4.9	1.16	bb

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-30  
 Response Factor: 1.79419  
 RRF SD: 0.128021, Relative SD: 7.1353  
 Response type: Internal Std ( Ref 174 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Int.	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200601K1_1	0.250	1.15	NO	24.68	1.039	5.58e3	1.32e6	0.238	-5.5	1.70	MM
200601K1_2	1.00	1.03	NO	24.69	1.039	2.35e4	1.42e6	0.926	-7.4	1.66	MM
200601K1_3	2.50	1.05	NO	24.70	1.039	5.87e4	1.39e6	2.35	-6.2	1.68	MM
200601K1_4	50.0	1.03	NO	24.70	1.039	1.24e6	1.33e6	52.0	4.0	1.87	bb
200601K1_5	400	1.01	NO	24.70	1.039	1.09e7	1.40e6	435	8.8	1.95	bb
200601K1_6	1000	1.03	NO	24.70	1.039	2.65e7	1.39e6	1080	6.3	1.91	bb

Compound name: PCB-18  
 Response Factor: 0.81773  
 RRF SD: 0.0320259, Relative SD: 3.91644  
 Response type: Internal Std ( Ref 175 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Int.	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200601K1_1	0.250	1.07	NO	25.45	0.952	4.02e3	1.93e6	0.254	1.6	0.831	MM
200601K1_2	1.00	1.04	NO	25.46	0.952	1.62e4	2.07e6	0.957	-4.3	0.782	bd
200601K1_3	2.50	1.04	NO	25.46	0.952	3.92e4	2.03e6	2.37	-5.2	0.775	bd
200601K1_4	50.0	1.01	NO	25.47	0.952	8.23e5	1.97e6	51.0	2.0	0.834	bd
200601K1_5	400	1.03	NO	25.47	0.952	7.32e6	2.13e6	419	4.8	0.857	bd
200601K1_6	1000	1.02	NO	25.46	0.952	1.78e7	2.16e6	1010	1.0	0.826	bd

Compound name: PCB-17  
 Response Factor: 0.758399  
 RRF SD: 0.0346137, Relative SD: 4.56405  
 Response type: Internal Std ( Ref 175 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Int.	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200601K1_1	0.250	1.04	NO	25.64	0.959	3.52e3	1.93e6	0.240	-3.8	0.729	MM
200601K1_2	1.00	1.09	NO	25.64	0.958	1.49e4	2.07e6	0.951	-4.9	0.721	db

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-17

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X= dropped
200601K1_3	2.50	1.04	NO	25.64	0.958	3.72e4	2.03e6	2.42	-3.2	0.734	MM
200601K1_4	50.0	1.01	NO	25.65	0.959	7.73e5	1.97e6	51.6	3.3	0.783	db
200601K1_5	400	1.04	NO	25.65	0.959	6.87e6	2.13e6	424	6.0	0.804	db
200601K1_6	1000	1.02	NO	25.65	0.959	1.68e7	2.16e6	1030	2.7	0.779	db

Compound name: PCB-24/27

Response Factor: 1.08206

RRF SD: 0.0492171, Relative SD: 4.54845

Response type: Internal Std ( Ref 175 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X= dropped
200601K1_1	0.500	1.04	NO	26.22	0.980	9.84e3	1.93e6	0.471	-5.8	1.02	MM
200601K1_2	2.00	1.02	NO	26.23	0.980	4.42e4	2.07e6	1.97	-1.4	1.07	bb
200601K1_3	5.00	1.02	NO	26.24	0.981	1.05e5	2.03e6	4.79	-4.2	1.04	bb
200601K1_4	100	1.02	NO	26.24	0.981	2.21e6	1.97e6	104	3.6	1.12	bb
200601K1_5	800	1.02	NO	26.24	0.981	1.95e7	2.13e6	845	5.6	1.14	bb
200601K1_6	2000	1.03	NO	26.24	0.981	4.77e7	2.16e6	2050	2.3	1.11	bb

Compound name: PCB-16/32

Response Factor: 0.925439

RRF SD: 0.0403363, Relative SD: 4.35861

Response type: Internal Std ( Ref 175 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X= dropped
200601K1_1	0.500	1.07	NO	26.75	1.000	8.78e3	1.93e6	0.491	-1.8	0.909	bb
200601K1_2	2.00	1.07	NO	26.76	1.000	3.61e4	2.07e6	1.88	-5.9	0.871	bb
200601K1_3	5.00	1.03	NO	26.77	1.001	9.09e4	2.03e6	4.85	-3.0	0.898	MM
200601K1_4	100	1.02	NO	26.77	1.001	1.87e6	1.97e6	103	2.8	0.950	bb
200601K1_5	800	1.02	NO	26.77	1.001	1.68e7	2.13e6	849	6.1	0.982	bb
200601K1_6	2000	1.01	NO	26.77	1.001	4.07e7	2.16e6	2040	2.0	0.944	bb

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-34  
 Response Factor: 0.945495  
 RRF SD: 0.0781691, Relative SD: 8.26754  
 Response type: Internal Std ( Ref 176 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std Conc	RA	nty	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.14	NO	27.58	0.959	4.74e3	2.38e6	0.211	-15.8	0.797	MM
200601K1_2	1.00	1.01	NO	27.58	0.959	2.43e4	2.38e6	1.08	8.0	1.02	bd
200601K1_3	2.50	1.02	NO	27.58	0.959	5.47e4	2.33e6	2.48	-0.8	0.939	bd
200601K1_4	50.0	1.05	NO	27.58	0.959	1.08e6	2.26e6	50.5	0.9	0.954	bd
200601K1_5	400	1.08	NO	27.58	0.959	9.47e6	2.40e6	418	4.4	0.987	bd
200601K1_6	1000	1.03	NO	27.58	0.959	2.33e7	2.39e6	1030	3.1	0.975	bd

Compound name: PCB-23  
 Response Factor: 0.882931  
 RRF SD: 0.0420273, Relative SD: 4.75998  
 Response type: Internal Std ( Ref 176 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std Conc	RA	nty	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.03	NO	27.67	0.962	5.14e3	2.38e6	0.245	-2.0	0.865	MM
200601K1_2	1.00	1.07	NO	27.67	0.962	1.97e4	2.38e6	0.935	-6.5	0.826	db
200601K1_3	2.50	1.04	NO	27.67	0.962	4.95e4	2.33e6	2.40	-3.8	0.849	db
200601K1_4	50.0	1.05	NO	27.67	0.962	1.05e6	2.26e6	52.8	5.3	0.930	dd
200601K1_5	400	1.07	NO	27.67	0.962	8.81e6	2.40e6	416	3.9	0.918	db
200601K1_6	1000	1.07	NO	27.67	0.962	2.18e7	2.39e6	1030	3.1	0.910	db

Compound name: PCB-29  
 Response Factor: 0.892811  
 RRF SD: 0.0395517, Relative SD: 4.43002  
 Response type: Internal Std ( Ref 176 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std Conc	RA	nty	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.11	NO	27.91	0.971	4.92e3	2.38e6	0.232	-7.2	0.828	MM
200601K1_2	1.00	1.12	NO	27.93	0.971	2.20e4	2.38e6	1.03	3.1	0.921	bd



Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

**Compound name: PCB-29**

Name	Std. Conc.	RA	Qty	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_3	2.50	1.01	NO	27.93	0.971	5.03e4	2.33e6	2.42	-3.2	0.864	bd
200601K1_4	50.0	1.06	NO	27.93	0.971	1.02e6	2.26e6	50.2	0.5	0.897	dd
200601K1_5	400	1.06	NO	27.93	0.971	8.95e6	2.40e6	418	4.5	0.933	bb
200601K1_6	1000	1.02	NO	27.93	0.971	2.19e7	2.39e6	1020	2.4	0.914	bb

**Compound name: PCB-26**

Response Factor: 0.943921

RRF SD: 0.0501146, Relative SD: 5.3082

Response type: Internal Std ( Ref 176 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.09	NO	28.14	0.979	5.11e3	2.38e6	0.227	-9.0	0.859	MM
200601K1_2	1.00	1.04	NO	28.16	0.979	2.24e4	2.38e6	0.996	-0.4	0.940	dd
200601K1_3	2.50	1.07	NO	28.16	0.979	5.36e4	2.33e6	2.44	-2.4	0.921	dd
200601K1_4	50.0	1.06	NO	28.16	0.979	1.10e6	2.26e6	51.3	2.5	0.968	dd
200601K1_5	400	1.07	NO	28.16	0.979	9.80e6	2.40e6	424	5.9	1.00	bd
200601K1_6	1000	1.04	NO	28.16	0.979	2.34e7	2.39e6	1030	3.4	0.976	bd

**Compound name: PCB-25**

Response Factor: 0.949875

RRF SD: 0.0334033, Relative SD: 3.5166

Response type: Internal Std ( Ref 176 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.13	NO	28.31	0.984	5.29e3	2.38e6	0.234	-6.4	0.889	MM
200601K1_2	1.00	1.09	NO	28.32	0.984	2.23e4	2.38e6	0.985	-1.5	0.935	db
200601K1_3	2.50	1.03	NO	28.32	0.984	5.65e4	2.33e6	2.55	2.1	0.970	db
200601K1_4	50.0	1.08	NO	28.32	0.984	1.08e6	2.26e6	50.4	0.7	0.957	db
200601K1_5	400	1.04	NO	28.32	0.984	9.41e6	2.40e6	413	3.2	0.960	db
200601K1_6	1000	1.04	NO	28.32	0.984	2.32e7	2.39e6	1020	1.9	0.968	db

Dataset: U:\VG11.PRO\Results\200801K1\200801K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-31  
 Response Factor: 1.03628  
 RRF SD: 0.032755, Relative SD: 3.16084  
 Response type: Internal Std ( Ref 178 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std Conc	RA	n/y	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	200801K1_1	0.250	1.10	NO	28.68	0.997	6.02e3	2.38e6	0.244	-2.3	1.01	MM
2	200801K1_2	1.00	1.05	NO	28.68	0.997	2.45e4	2.38e6	0.993	-0.7	1.03	bd
3	200801K1_3	2.50	1.03	NO	28.68	0.997	5.91e4	2.33e6	2.45	-2.1	1.01	MM
4	200801K1_4	50.0	1.14	NO	28.68	0.997	1.15e6	2.26e6	48.9	-2.1	1.01	bd
5	200801K1_5	400	1.07	NO	28.68	0.997	1.05e7	2.40e6	423	5.8	1.10	bd
6	200801K1_6	1000	1.02	NO	28.68	0.997	2.52e7	2.39e6	1010	1.4	1.05	bd

Compound name: PCB-28  
 Response Factor: 1.025  
 RRF SD: 0.0755239, Relative SD: 7.36817  
 Response type: Internal Std ( Ref 178 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std Conc	RA	n/y	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	200801K1_1	0.250	1.17	NO	28.77	1.001	5.28e3	2.38e6	0.217	-13.3	0.889	MM
2	200801K1_2	1.00	1.04	NO	28.79	1.001	2.41e4	2.38e6	0.984	-1.6	1.01	db
3	200801K1_3	2.50	1.08	NO	28.79	1.001	5.88e4	2.33e6	2.46	-1.5	1.01	db
4	200801K1_4	50.0	1.08	NO	28.79	1.001	1.22e6	2.26e6	52.7	5.5	1.08	db
5	200801K1_5	400	1.08	NO	28.79	1.001	1.04e7	2.40e6	424	6.0	1.09	db
6	200801K1_6	1000	1.02	NO	28.79	1.001	2.57e7	2.39e6	1050	4.9	1.08	db

Compound name: PCB-20/21/33  
 Response Factor: 0.941292  
 RRF SD: 0.0455201, Relative SD: 4.83592  
 Response type: Internal Std ( Ref 178 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std Conc	RA	n/y	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	200801K1_1	0.750	1.00	NO	29.40	1.023	1.56e4	2.38e6	0.697	-7.1	0.875	MM
2	200801K1_2	3.00	1.08	NO	29.42	1.023	6.54e4	2.38e6	2.91	-2.9	0.914	bb

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-20/21/33

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_3	7.50	1.06	NO	29.42	1.023	1.62e5	2.33e6	7.38	-1.6	0.928	bb
200601K1_4	150	1.07	NO	29.42	1.023	3.24e6	2.28e6	152	1.5	0.955	bb
200601K1_5	1200	1.05	NO	29.42	1.023	2.88e7	2.40e6	1270	6.2	1.00	bb
200601K1_6	3000	1.03	NO	29.42	1.023	7.01e7	2.39e6	3110	3.8	0.977	bb

Compound name: PCB-22

Response Factor: 0.972852

RRF SD: 0.0679212, Relative SD: 6.98165

Response type: Internal Std ( Ref 176 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	0.91	NO	29.87	1.039	5.07e3	2.38e6	0.219	-12.4	0.853	MM
200601K1_2	1.00	1.14	NO	29.87	1.038	2.26e4	2.38e6	0.972	-2.8	0.948	db
200601K1_3	2.50	1.08	NO	29.89	1.039	5.67e4	2.33e6	2.50	0.1	0.974	bb
200601K1_4	50.0	1.06	NO	29.89	1.039	1.14e6	2.28e6	51.5	3.1	1.00	bb
200601K1_5	400	1.09	NO	29.89	1.039	9.79e6	2.40e6	419	4.8	1.02	bb
200601K1_6	1000	1.06	NO	29.89	1.039	2.49e7	2.39e6	1070	7.1	1.04	bb

Compound name: PCB-36

Response Factor: 1.07599

RRF SD: 0.05125, Relative SD: 4.76304

Response type: Internal Std ( Ref 177 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	0.99	NO	30.50	0.931	5.49e3	2.11e6	0.242	-3.2	1.04	bb
200601K1_2	1.00	0.98	NO	30.50	0.931	2.35e4	2.28e6	0.969	-3.1	1.04	bb
200601K1_3	2.50	1.05	NO	30.50	0.931	5.71e4	2.28e6	2.34	-6.3	1.01	MM
200601K1_4	50.0	1.06	NO	30.52	0.932	1.16e6	2.09e6	51.5	3.1	1.11	bb
200601K1_5	400	1.10	NO	30.52	0.932	9.81e6	2.17e6	421	5.2	1.13	db
200601K1_6	1000	1.05	NO	30.52	0.931	2.55e7	2.27e6	1040	4.3	1.12	db

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-39  
 Response Factor: 0.968291  
 RRF SD: 0.0625968, Relative SD: 6.33405  
 Response type: Internal Std ( Ref 177 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std Conc	RA	n/y	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	200601K1_1	0.250	1.06	NO	30.99	0.946	4.77e3	2.11e6	0.229	-8.5	0.904	bb
2	200601K1_2	1.00	1.01	NO	30.99	0.946	2.15e4	2.26e6	0.964	-3.6	0.953	MM
3	200601K1_3	2.50	1.06	NO	30.99	0.946	5.36e4	2.26e6	2.40	-4.2	0.947	db
4	200601K1_4	50.0	1.09	NO	31.00	0.947	1.07e6	2.09e6	51.7	3.3	1.02	db
5	200601K1_5	400	1.09	NO	31.00	0.947	9.22e6	2.17e6	431	7.6	1.06	db
6	200601K1_6	1000	1.04	NO	31.00	0.946	2.36e7	2.27e6	1050	5.3	1.04	db

Compound name: PCB-38  
 Response Factor: 1.05188  
 RRF SD: 0.0528736, Relative SD: 5.00759  
 Response type: Internal Std ( Ref 177 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std Conc	RA	n/y	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	200601K1_1	0.250	1.13	NO	31.78	0.970	5.42e3	2.11e6	0.244	-2.2	1.03	MM
2	200601K1_2	1.00	1.07	NO	31.78	0.970	2.26e4	2.26e6	0.953	-4.7	1.00	dd
3	200601K1_3	2.50	1.04	NO	31.78	0.970	5.62e4	2.26e6	2.36	-5.5	0.994	dd
4	200601K1_4	50.0	1.09	NO	31.78	0.970	1.12e6	2.09e6	51.0	2.1	1.07	dd
5	200601K1_5	400	1.05	NO	31.78	0.970	9.81e6	2.17e6	430	7.5	1.13	dd
6	200601K1_6	1000	1.03	NO	31.78	0.970	2.45e7	2.27e6	1030	2.8	1.08	dd

Compound name: PCB-35  
 Response Factor: 1.04369  
 RRF SD: 0.0671055, Relative SD: 6.42963  
 Response type: Internal Std ( Ref 177 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std Conc	RA	n/y	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	200601K1_1	0.250	0.95	NO	32.33	0.987	5.10e3	2.11e6	0.232	-7.2	0.968	bb
2	200601K1_2	1.00	1.07	NO	32.33	0.987	2.27e4	2.26e6	0.964	-3.6	1.01	MM

Dataset: U:\VG11.PRO\Results\200801K1\200801K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

**Compound name: PCB-35**

Name	Std. Conc.	RA	Hy	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_3	2.50	1.01	NO	32.33	0.967	5.53e4	2.26e6	2.34	-6.4	0.977	db
200801K1_4	50.0	1.07	NO	32.33	0.967	1.15e6	2.09e6	52.5	5.0	1.10	dd
200801K1_5	400	1.08	NO	32.33	0.967	9.64e6	2.17e6	426	6.8	1.11	dd
200801K1_6	1000	1.08	NO	32.33	0.966	2.50e7	2.27e6	1060	5.6	1.10	dd

**Compound name: PCB-37**

Response Factor: 1.00907

RRF SD: 0.0813948, Relative SD: 8.0663

Response type: Internal Std ( Ref 177 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Hy	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	0.250	1.04	NO	32.77	1.000	4.58e3	2.11e6	0.215	-13.9	0.869	MM
200801K1_2	1.00	1.09	NO	32.77	1.000	2.21e4	2.26e6	0.972	-2.8	0.981	MM
200801K1_3	2.50	1.04	NO	32.77	1.000	5.65e4	2.26e6	2.47	-1.0	0.999	MM
200801K1_4	50.0	1.05	NO	32.79	1.001	1.10e6	2.09e6	51.9	3.8	1.05	MM
200801K1_5	400	1.04	NO	32.79	1.001	9.57e6	2.17e6	437	9.4	1.10	MM
200801K1_6	1000	1.04	NO	32.79	1.001	2.39e7	2.27e6	1050	4.6	1.06	MM

**Compound name: PCB-54**

Response Factor: 1.07963

RRF SD: 0.0563853, Relative SD: 5.22166

Response type: Internal Std ( Ref 178 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Hy	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	0.250	0.74	NO	27.62	1.001	4.22e3	1.88e6	0.232	-7.1	1.00	MM
200801K1_2	1.00	0.80	NO	27.64	1.001	1.98e4	1.85e6	0.990	-1.0	1.07	bb
200801K1_3	2.50	0.78	NO	27.64	1.001	4.63e4	1.80e6	2.38	-4.9	1.03	bb
200801K1_4	50.0	0.78	NO	27.64	1.001	9.78e5	1.75e6	51.6	3.2	1.11	bb
200801K1_5	400	0.79	NO	27.64	1.001	8.59e6	1.88e6	422	5.8	1.14	bb
200801K1_6	1000	0.77	NO	27.64	1.001	2.11e7	1.88e6	1040	4.2	1.13	bb

Dataset: U:\VG11.PROVResults\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-50  
 Response Factor: 0.879558  
 RRF SD: 0.0380434, Relative SD: 4.3253  
 Response type: Internal Std ( Ref 178 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std Conc	RA	nty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	0.79	NO	28.83	1.044	3.74e3	1.68e6	0.252	1.0	0.888	MM
200601K1_2	1.00	0.80	NO	28.83	1.044	1.52e4	1.85e6	0.932	-6.8	0.820	bb
200601K1_3	2.50	0.75	NO	28.83	1.044	3.83e4	1.80e6	2.41	-3.4	0.849	bb
200601K1_4	50.0	0.75	NO	28.84	1.044	7.79e5	1.75e6	50.8	1.2	0.890	bb
200601K1_5	400	0.75	NO	28.84	1.044	6.88e6	1.88e6	415	3.8	0.913	bb
200601K1_6	1000	0.76	NO	28.84	1.044	1.72e7	1.88e6	1040	4.3	0.917	bb

Compound name: PCB-53  
 Response Factor: 0.998734  
 RRF SD: 0.0611951, Relative SD: 6.13956  
 Response type: Internal Std ( Ref 179 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std Conc	RA	nty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	0.84	NO	29.50	0.944	3.27e3	1.37e6	0.240	-4.0	0.956	MM
200601K1_2	1.00	0.75	NO	29.50	0.943	1.40e4	1.50e6	0.934	-6.8	0.931	MM
200601K1_3	2.50	0.78	NO	29.50	0.943	3.39e4	1.44e6	2.35	-5.8	0.939	bb
200601K1_4	50.0	0.77	NO	29.51	0.944	7.19e5	1.38e6	52.4	4.8	1.04	bb
200601K1_5	400	0.78	NO	29.51	0.944	6.47e6	1.51e6	429	7.3	1.07	bb
200601K1_6	1000	0.78	NO	29.51	0.944	1.80e7	1.54e6	1040	4.3	1.04	bb

Compound name: PCB-51  
 Response Factor: 1.08521  
 RRF SD: 0.0890475, Relative SD: 6.48207  
 Response type: Internal Std ( Ref 179 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std Conc	RA	nty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	0.77	NO	29.85	0.955	3.29e3	1.37e6	0.226	-9.4	0.965	MM
200601K1_2	1.00	0.81	NO	29.85	0.955	1.58e4	1.50e6	0.978	-2.2	1.04	MM

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-51

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_3	2.50	0.79	NO	29.85	0.955	3.69e4	1.44e6	2.40	-4.1	1.02	bb
200601K1_4	50.0	0.77	NO	29.85	0.955	7.80e5	1.38e6	53.2	6.4	1.13	bb
200601K1_5	400	0.76	NO	29.85	0.955	6.92e6	1.51e6	430	7.4	1.14	bb
200601K1_6	1000	0.78	NO	29.85	0.955	1.87e7	1.54e6	1020	2.0	1.09	bb

Compound name: PCB-45

Response Factor: 0.858411

RRF SD: 0.0476675, Relative SD: 5.55299

Response type: Internal Std ( Ref 179 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	0.86	NO	30.30	0.970	2.69e3	1.37e6	0.229	-8.4	0.766	MM
200601K1_2	1.00	0.77	NO	30.30	0.969	1.23e4	1.50e6	0.954	-4.6	0.819	bb
200601K1_3	2.50	0.80	NO	30.30	0.969	3.11e4	1.44e6	2.51	0.3	0.861	bb
200601K1_4	50.0	0.77	NO	30.30	0.969	6.21e5	1.38e6	52.5	5.1	0.902	bb
200601K1_5	400	0.79	NO	30.30	0.969	5.49e6	1.51e6	423	5.8	0.908	bb
200601K1_6	1000	0.79	NO	30.30	0.969	1.34e7	1.54e6	1020	1.9	0.874	bb

Compound name: PCB-46

Response Factor: 0.830725

RRF SD: 0.0416585, Relative SD: 5.01471

Response type: Internal Std ( Ref 179 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	0.70	NO	30.80	0.986	2.61e3	1.37e6	0.230	-8.0	0.765	MM
200601K1_2	1.00	0.77	NO	30.80	0.985	1.25e4	1.50e6	1.00	0.4	0.834	bb
200601K1_3	2.50	0.75	NO	30.80	0.985	2.68e4	1.44e6	2.40	-3.9	0.798	bb
200601K1_4	50.0	0.77	NO	30.80	0.985	5.95e5	1.38e6	52.0	4.1	0.865	bb
200601K1_5	400	0.75	NO	30.80	0.985	5.28e6	1.51e6	419	4.8	0.870	bb
200601K1_6	1000	0.78	NO	30.80	0.985	1.31e7	1.54e6	1030	2.7	0.853	bb

Dataset: U:\VG11.PRO\Results\200801K1\200801K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-52/69  
 Response Factor: 1.18655  
 RRF SD: 0.0541044, Relative SD: 4.63798  
 Response type: Internal Std ( Ref 179 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200801K1_1	0.500	0.86	NO	31.28	1.001	7.66e3	1.37e6	0.481	-3.8	1.12	MM
200801K1_2	2.00	0.79	NO	31.30	1.001	3.38e4	1.50e6	1.93	-3.4	1.13	bd
200801K1_3	5.00	0.79	NO	31.30	1.001	7.99e4	1.44e6	4.74	-5.2	1.11	bd
200801K1_4	100	0.76	NO	31.30	1.001	1.67e6	1.38e6	104	3.9	1.21	bd
200801K1_5	800	0.77	NO	31.30	1.001	1.49e7	1.51e6	845	5.6	1.23	bd
200801K1_6	2000	0.78	NO	31.30	1.001	3.69e7	1.54e6	2060	2.9	1.20	bd

Compound name: PCB-73  
 Response Factor: 1.44314  
 RRF SD: 0.12369, Relative SD: 6.57088  
 Response type: Internal Std ( Ref 179 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200801K1_1	0.250	0.70	NO	31.41	1.005	4.29e3	1.37e6	0.218	-12.9	1.26	dd
200801K1_2	1.00	0.73	NO	31.41	1.005	2.10e4	1.50e6	0.971	-2.9	1.40	dd
200801K1_3	2.50	0.77	NO	31.41	1.005	4.90e4	1.44e6	2.35	-5.9	1.36	dd
200801K1_4	50.0	0.79	NO	31.41	1.005	1.06e6	1.38e6	53.5	7.0	1.54	dd
200801K1_5	400	0.77	NO	31.41	1.005	9.42e6	1.51e6	432	8.0	1.56	dd
200801K1_6	1000	0.77	NO	31.41	1.005	2.36e7	1.54e6	1070	6.7	1.54	dd

Compound name: PCB-43/49  
 Response Factor: 1.01613  
 RRF SD: 0.0523973, Relative SD: 5.15654  
 Response type: Internal Std ( Ref 179 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200801K1_1	0.500	0.86	NO	31.56	1.011	6.71e3	1.37e6	0.483	-3.3	0.982	db
200801K1_2	2.00	0.78	NO	31.58	1.010	2.91e4	1.50e6	1.91	-4.4	0.972	dd



Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

**Compound name: PCB-43/49**

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_3	5.00	0.78	NO	31.58	1.010	6.88e4	1.44e6	4.69	-6.2	0.953	dd
200601K1_4	100	0.77	NO	31.80	1.011	1.47e6	1.38e6	105	5.1	1.07	dd
200601K1_5	800	0.77	NO	31.58	1.010	1.28e7	1.51e6	835	4.4	1.06	dd
200601K1_6	2000	0.77	NO	31.58	1.010	3.26e7	1.54e6	2090	4.4	1.06	dd

**Compound name: PCB-47**

Response Factor: 0.92191

RRF SD: 0.0589335, Relative SD: 6.39255

Response type: Internal Std ( Ref 180 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	0.70	NO	31.78	1.001	3.20e3	1.44e6	0.241	-3.4	0.891	bd
200601K1_2	1.00	0.76	NO	31.80	1.001	1.48e4	1.59e6	1.00	0.4	0.928	dd
200601K1_3	2.50	0.79	NO	31.80	1.001	3.29e4	1.53e6	2.33	-6.7	0.880	dd
200601K1_4	50.0	0.77	NO	31.80	1.001	7.69e5	1.49e6	56.0	11.9	1.03	dd
200601K1_5	400	0.76	NO	31.80	1.001	5.90e6	1.80e6	400	-0.1	0.921	dd
200601K1_6	1000	0.76	NO	31.80	1.001	1.50e7	1.66e6	979	-2.1	0.902	dd

**Compound name: PCB-48/75**

Response Factor: 1.12021

RRF SD: 0.0667822, Relative SD: 5.96157

Response type: Internal Std ( Ref 180 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.500	0.75	NO	31.90	1.004	7.31e3	1.44e6	0.454	-9.3	1.02	db
200601K1_2	2.00	0.76	NO	31.92	1.005	3.52e4	1.59e6	1.97	-1.5	1.10	db
200601K1_3	5.00	0.79	NO	31.92	1.004	8.41e4	1.53e6	4.91	-1.9	1.10	db
200601K1_4	100	0.77	NO	31.92	1.004	1.66e6	1.49e6	99.7	-0.3	1.12	db
200601K1_5	800	0.78	NO	31.92	1.004	1.54e7	1.60e6	859	7.4	1.20	db
200601K1_6	2000	0.76	NO	31.92	1.004	3.92e7	1.68e6	2110	5.8	1.18	db

Dataset: U:\VG11.PRO\Results\200801K1\200801K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-85  
 Response Factor: 1.28219  
 RRF SD: 0.0574331, Relative SD: 4.47931  
 Response type: Internal Std ( Ref 180 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std Conc	RA	Qty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	200801K1_1	0.250	0.88	NO	32.18	1.013	4.34e3	1.44e6	0.236	-5.8	1.21	bd
2	200801K1_2	1.00	0.85	NO	32.19	1.013	1.96e4	1.59e6	0.959	-4.1	1.23	bd
3	200801K1_3	2.50	0.71	NO	32.19	1.013	4.83e4	1.53e6	2.47	-1.4	1.28	bd
4	200801K1_4	50.0	0.76	NO	32.19	1.013	9.93e5	1.49e6	52.0	4.0	1.33	bd
5	200801K1_5	400	0.77	NO	32.19	1.013	8.65e6	1.60e6	421	5.4	1.35	bd
6	200801K1_6	1000	0.77	NO	32.19	1.013	2.17e7	1.68e6	1020	2.0	1.31	bd

Compound name: PCB-82  
 Response Factor: 1.12765  
 RRF SD: 0.0353947, Relative SD: 3.13879  
 Response type: Internal Std ( Ref 180 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std Conc	RA	Qty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	200801K1_1	0.250	0.72	NO	32.29	1.016	4.14e3	1.44e6	0.255	2.1	1.15	db
2	200801K1_2	1.00	0.70	NO	32.29	1.016	1.80e4	1.59e6	0.999	-0.1	1.13	dd
3	200801K1_3	2.50	0.79	NO	32.29	1.016	4.05e4	1.53e6	2.35	-6.1	1.08	dd
4	200801K1_4	50.0	0.76	NO	32.31	1.016	8.53e5	1.49e6	50.8	1.8	1.15	db
5	200801K1_5	400	0.79	NO	32.31	1.016	7.38e6	1.60e6	409	2.2	1.15	db
6	200801K1_6	1000	0.76	NO	32.31	1.016	1.88e7	1.68e6	1000	0.3	1.13	db

Compound name: PCB-44  
 Response Factor: 0.824154  
 RRF SD: 0.0474856, Relative SD: 5.75932  
 Response type: Internal Std ( Ref 180 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std Conc	RA	Qty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	200801K1_1	0.250	0.88	NO	32.62	1.027	3.12e3	1.44e6	0.263	5.2	0.867	MM
2	200801K1_2	1.00	0.78	NO	32.62	1.027	1.16e4	1.59e6	0.895	-10.5	0.738	dd

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

**Compound name: PCB-44**

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X= dropped
200601K1_3	2.50	0.75	NO	32.62	1.026	3.09e4	1.53e6	2.45	-1.9	0.806	dd
200601K1_4	50.0	0.79	NO	32.62	1.026	6.30e5	1.49e6	51.3	2.6	0.845	MM
200601K1_5	400	0.77	NO	32.62	1.026	5.51e6	1.60e6	418	4.4	0.860	db
200601K1_6	1000	0.77	NO	32.62	1.026	1.37e7	1.66e6	1000	0.2	0.826	db

**Compound name: PCB-42/59**

Response Factor: 1.04973

RRF SD: 0.0493426, Relative SD: 4.70053

Response type: Internal Std ( Ref 180 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X= dropped
200601K1_1	0.500	0.76	NO	32.85	1.034	7.25e3	1.44e6	0.481	-3.9	1.01	bb
200601K1_2	2.00	0.81	NO	32.85	1.034	3.17e4	1.59e6	1.89	-5.4	0.994	db
200601K1_3	5.00	0.78	NO	32.85	1.033	7.78e4	1.53e6	4.85	-3.0	1.02	db
200601K1_4	100	0.78	NO	32.85	1.033	1.60e6	1.49e6	103	2.8	1.08	MM
200601K1_5	800	0.78	NO	32.85	1.033	1.43e7	1.60e6	850	6.2	1.12	bb
200601K1_6	2000	0.78	NO	32.85	1.033	3.60e7	1.66e6	2070	3.5	1.09	bb

**Compound name: PCB-41/64/71/72**

Response Factor: 1.18742

RRF SD: 0.0661253, Relative SD: 5.56883

Response type: Internal Std ( Ref 180 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X= dropped
200601K1_1	1.00	0.74	NO	33.46	1.053	1.80e4	1.44e6	0.939	-6.1	1.12	MM
200601K1_2	4.00	0.74	NO	33.46	1.053	7.29e4	1.59e6	3.85	-3.7	1.14	bb
200601K1_3	10.0	0.78	NO	33.46	1.053	1.74e5	1.53e6	9.57	-4.3	1.14	MM
200601K1_4	200	0.79	NO	33.46	1.053	3.62e6	1.49e6	205	2.3	1.22	bb
200601K1_5	1800	0.77	NO	33.46	1.053	3.29e7	1.60e6	1730	8.2	1.29	bb
200601K1_6	4000	0.77	NO	33.46	1.053	8.18e7	1.66e6	4140	3.5	1.23	bb

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-68  
 Response Factor: 1.27785  
 RRF SD: 0.0478803, Relative SD: 3.74694  
 Response type: Internal Std ( Ref 180 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc.	RA	nty	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200601K1_1	0.250	0.75	NO	33.72	1.061	4.51e3	1.44e6	0.245	-1.9	1.25	bb
2	200601K1_2	1.00	0.75	NO	33.72	1.061	1.97e4	1.59e6	0.969	-3.1	1.24	bb
3	200601K1_3	2.50	0.77	NO	33.72	1.061	4.67e4	1.53e6	2.39	-4.4	1.22	MM
4	200601K1_4	50.0	0.76	NO	33.72	1.061	9.69e5	1.49e6	50.9	1.8	1.30	bd
5	200601K1_5	400	0.77	NO	33.72	1.061	8.63e6	1.60e6	422	5.5	1.35	bd
6	200601K1_6	1000	0.78	NO	33.72	1.061	2.16e7	1.66e6	1020	2.1	1.30	bd

Compound name: PCB-40  
 Response Factor: 0.802057  
 RRF SD: 0.0348124, Relative SD: 5.74902  
 Response type: Internal Std ( Ref 180 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc.	RA	nty	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200601K1_1	0.250	0.71	NO	33.94	1.069	2.03e3	1.44e6	0.235	-6.2	0.565	bb
2	200601K1_2	1.00	0.74	NO	33.94	1.069	9.28e3	1.59e6	0.967	-3.3	0.562	MM
3	200601K1_3	2.50	0.77	NO	33.94	1.068	2.17e4	1.53e6	2.36	-5.7	0.566	db
4	200601K1_4	50.0	0.77	NO	33.94	1.068	4.64e5	1.49e6	51.7	3.3	0.622	db
5	200601K1_5	400	0.77	NO	33.94	1.068	4.12e6	1.60e6	426	7.0	0.644	db
6	200601K1_6	1000	0.78	NO	33.94	1.068	1.05e7	1.66e6	1050	4.8	0.631	db

Compound name: PCB-57  
 Response Factor: 1.16294  
 RRF SD: 0.0605093, Relative SD: 5.20312  
 Response type: Internal Std ( Ref 181 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc.	RA	nty	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200601K1_1	0.250	0.79	NO	34.30	0.969	4.64e3	1.70e6	0.234	-6.4	1.09	bb
2	200601K1_2	1.00	0.74	NO	34.32	0.969	2.02e4	1.84e6	0.946	-5.4	1.10	bb

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-57

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_3	2.50	0.74	NO	34.32	0.969	5.14e4	1.79e6	2.46	-1.4	1.15	MM
200601K1_4	50.0	0.77	NO	34.32	0.969	1.04e6	1.73e6	51.4	2.8	1.20	bb
200601K1_5	400	0.79	NO	34.32	0.969	9.05e6	1.84e6	423	5.8	1.23	bb
200601K1_6	1000	0.76	NO	34.32	0.969	2.31e7	1.90e6	1050	4.6	1.22	bb

Compound name: PCB-67

Response Factor: 1.0841

RRF SD: 0.0420751, Relative SD: 3.8811

Response type: Internal Std ( Ref 181 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	0.86	NO	34.63	0.978	4.35e3	1.70e6	0.235	-5.8	1.02	bd
200601K1_2	1.00	0.75	NO	34.63	0.978	1.95e4	1.84e6	0.979	-2.1	1.06	bd
200601K1_3	2.50	0.78	NO	34.63	0.978	4.82e4	1.79e6	2.48	-0.9	1.07	bd
200601K1_4	50.0	0.75	NO	34.63	0.978	9.48e5	1.73e6	50.4	0.9	1.09	bd
200601K1_5	400	0.76	NO	34.63	0.978	8.40e6	1.84e6	422	5.4	1.14	bd
200601K1_6	1000	0.78	NO	34.63	0.978	2.11e7	1.90e6	1020	2.5	1.11	bd

Compound name: PCB-58

Response Factor: 1.20403

RRF SD: 0.0834546, Relative SD: 6.93126

Response type: Internal Std ( Ref 181 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	0.80	NO	34.74	0.982	4.98e3	1.70e6	0.243	-2.8	1.17	dd
200601K1_2	1.00	0.80	NO	34.74	0.981	2.02e4	1.84e6	0.910	-9.0	1.10	dd
200601K1_3	2.50	0.78	NO	34.76	0.982	5.08e4	1.79e6	2.35	-5.9	1.13	dd
200601K1_4	50.0	0.75	NO	34.76	0.982	1.09e6	1.73e6	52.1	4.1	1.25	dd
200601K1_5	400	0.78	NO	34.76	0.982	9.62e6	1.84e6	435	8.7	1.31	dd
200601K1_6	1000	0.78	NO	34.76	0.982	2.40e7	1.90e6	1050	5.0	1.26	dd

Dataset: U:\VG11.PRO\Results200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-63  
 Response Factor: 1.07187  
 RRF SD: 0.049724, Relative SD: 4.639  
 Response type: Internal Std ( Ref 181 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Int.	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200601K1_1	0.250	0.82	NO	34.91	0.988	4.33e3	1.70e6	0.237	-5.1	1.02	db
200601K1_2	1.00	0.75	NO	34.91	0.988	1.92e4	1.84e6	0.972	-2.8	1.04	dd
200601K1_3	2.50	0.79	NO	34.91	0.988	4.66e4	1.79e6	2.42	-3.2	1.04	db
200601K1_4	50.0	0.77	NO	34.91	0.988	9.31e5	1.73e6	50.1	0.2	1.07	db
200601K1_5	400	0.78	NO	34.91	0.988	8.42e6	1.84e6	427	6.8	1.14	db
200601K1_6	1000	0.77	NO	34.91	0.988	2.12e7	1.90e6	1040	4.1	1.12	db

Compound name: PCB-74  
 Response Factor: 1.18508  
 RRF SD: 0.0699946, Relative SD: 5.90632  
 Response type: Internal Std ( Ref 181 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Int.	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200601K1_1	0.250	0.82	NO	35.21	0.995	4.68e3	1.70e6	0.232	-7.3	1.10	bd
200601K1_2	1.00	0.74	NO	35.21	0.994	2.06e4	1.84e6	0.943	-5.7	1.12	MM
200601K1_3	2.50	0.74	NO	35.21	0.994	5.22e4	1.79e6	2.46	-1.8	1.16	MM
200601K1_4	50.0	0.77	NO	35.21	0.994	1.05e6	1.73e6	51.3	2.6	1.22	bd
200601K1_5	400	0.76	NO	35.21	0.994	9.38e6	1.84e6	430	7.6	1.28	bd
200601K1_6	1000	0.77	NO	35.21	0.994	2.36e7	1.90e6	1050	4.5	1.24	bd

Compound name: PCB-81/70  
 Response Factor: 1.05421  
 RRF SD: 0.062537, Relative SD: 5.9321  
 Response type: Internal Std ( Ref 181 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Int.	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200601K1_1	0.500	0.86	NO	35.41	1.000	8.47e3	1.70e6	0.472	-5.7	0.994	MM
200601K1_2	2.00	0.78	NO	35.34	0.998	3.65e4	1.84e6	1.88	-5.8	0.993	MM

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-61/70

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_3	5.00	0.78	NO	35.34	0.998	9.20e4	1.79e6	4.86	-2.7	1.03	MM
200601K1_4	100	0.78	NO	35.43	1.000	1.90e6	1.73e6	104	3.9	1.10	MM
200601K1_5	800	0.78	NO	35.43	1.000	1.67e7	1.84e6	859	7.4	1.13	MM
200601K1_6	2000	0.78	NO	35.43	1.000	4.18e7	1.90e6	2080	4.2	1.10	MM

Compound name: PCB-76/86

Response Factor: 1.16443

RRF SD: 0.0785507, Relative SD: 6.5741

Response type: Internal Std ( Ref 181 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.500	0.78	NO	35.62	1.006	9.04e3	1.70e6	0.456	-8.9	1.06	MM
200601K1_2	2.00	0.75	NO	35.58	1.005	4.11e4	1.84e6	1.92	-4.0	1.12	dd
200601K1_3	5.00	0.78	NO	35.60	1.005	9.65e4	1.79e6	4.72	-5.7	1.10	MM
200601K1_4	100	0.78	NO	35.60	1.005	2.09e6	1.73e6	104	3.8	1.21	dd
200601K1_5	800	0.77	NO	35.64	1.006	1.65e7	1.84e6	862	7.7	1.25	dd
200601K1_6	2000	0.78	NO	35.64	1.006	4.89e7	1.90e6	2120	5.9	1.23	dd

Compound name: PCB-80

Response Factor: 1.18682

RRF SD: 0.0586291, Relative SD: 4.94003

Response type: Internal Std ( Ref 182 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	0.83	NO	35.86	1.000	4.91e3	1.75e6	0.236	-5.5	1.12	MM
200601K1_2	1.00	0.77	NO	35.86	1.000	2.09e4	1.87e6	0.941	-5.9	1.12	db
200601K1_3	2.50	0.78	NO	35.86	1.000	5.45e4	1.86e6	2.47	-1.2	1.17	MM
200601K1_4	50.0	0.78	NO	35.86	1.000	1.10e6	1.79e6	51.5	3.1	1.22	db
200601K1_5	400	0.78	NO	35.86	1.000	9.53e6	1.90e6	422	5.5	1.25	db
200601K1_6	1000	0.78	NO	35.86	1.000	2.45e7	1.99e6	1040	4.0	1.23	dd

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

**Compound name: PCB-55**

Response Factor: 1.16899

RRF SD: 0.0699531, Relative SD: 5.98407

Response type: Internal Std ( Ref 182 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std Conc	RA	ny	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X=dropped
1	200601K1_1	0.250	0.86	NO	36.18	1.009	4.80e3	1.75e6	0.235	-6.1	1.10	MM
2	200601K1_2	1.00	0.81	NO	36.18	1.010	2.10e4	1.87e6	0.959	-4.1	1.12	MM
3	200601K1_3	2.50	0.76	NO	36.18	1.010	5.16e4	1.86e6	2.37	-5.1	1.11	MM
4	200601K1_4	50.0	0.77	NO	36.18	1.010	1.07e6	1.79e6	51.0	2.1	1.19	MM
5	200601K1_5	400	0.77	NO	36.18	1.010	9.66e6	1.90e6	434	8.6	1.27	MM
6	200601K1_6	1000	0.77	NO	36.18	1.010	2.43e7	1.99e6	1050	4.8	1.22	MM

**Compound name: PCB-56/60**

Response Factor: 1.01793

RRF SD: 0.0552104, Relative SD: 5.42377

Response type: Internal Std ( Ref 182 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std Conc	RA	ny	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X=dropped
1	200601K1_1	0.500	0.85	NO	36.70	1.024	8.20e3	1.75e6	0.460	-8.0	0.937	MM
2	200601K1_2	2.00	0.78	NO	36.70	1.024	3.71e4	1.87e6	1.95	-2.7	0.991	MM
3	200601K1_3	5.00	0.78	NO	36.70	1.024	9.24e4	1.86e6	4.88	-2.4	0.993	bb
4	200601K1_4	100	0.77	NO	36.70	1.024	1.86e6	1.79e6	102	2.1	1.04	bb
5	200601K1_5	800	0.77	NO	36.70	1.024	1.86e7	1.90e6	859	7.3	1.09	bb
6	200601K1_6	2000	0.77	NO	36.70	1.024	4.19e7	1.99e6	2070	3.8	1.05	bb

**Compound name: PCB-79**

Response Factor: 1.13843

RRF SD: 0.0710526, Relative SD: 6.24129

Response type: Internal Std ( Ref 182 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std Conc	RA	ny	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X=dropped
1	200601K1_1	0.250	0.80	NO	37.80	1.054	4.62e3	1.75e6	0.232	-7.2	1.06	MM
2	200601K1_2	1.00	0.87	NO	37.80	1.054	2.03e4	1.87e6	0.950	-5.0	1.08	MM



Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

**Compound name: PCB-79**

Name	Std Conc	RA	nty	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_3	2.50	0.80	NO	37.80	1.054	5.06e4	1.86e6	2.39	-4.3	1.09	MM
200601K1_4	50.0	0.77	NO	37.80	1.054	1.06e6	1.79e6	51.8	3.6	1.18	bb
200601K1_5	400	0.77	NO	37.81	1.055	9.30e6	1.90e6	430	7.4	1.22	bb
200601K1_6	1000	0.77	NO	37.81	1.055	2.39e7	1.99e6	1060	5.8	1.20	bb

**Compound name: PCB-78**

Response Factor: 1.13645

RRF SD: 0.0648397, Relative SD: 5.70544

Response type: Internal Std ( Ref 183 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	nty	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	0.84	NO	39.50	0.988	4.37e3	1.65e6	0.234	-6.8	1.08	MM
200601K1_2	1.00	0.72	NO	39.52	0.987	1.92e4	1.76e6	0.959	-4.1	1.09	MM
200601K1_3	2.50	0.77	NO	39.52	0.987	4.87e4	1.80e6	2.38	-4.7	1.08	MM
200601K1_4	50.0	0.77	NO	39.52	0.987	1.02e6	1.70e6	52.5	4.9	1.19	MM
200601K1_5	400	0.79	NO	39.52	0.987	8.97e6	1.88e6	420	5.1	1.19	MM
200601K1_6	1000	0.78	NO	39.52	0.987	2.33e7	1.94e6	1050	5.5	1.20	MM

**Compound name: PCB-81**

Response Factor: 1.04638

RRF SD: 0.0531934, Relative SD: 5.08358

Response type: Internal Std ( Ref 183 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	nty	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	0.71	NO	39.08	1.000	3.97e3	1.85e6	0.230	-7.9	0.964	MM
200601K1_2	1.00	0.76	NO	39.08	1.000	1.82e4	1.76e6	0.987	-1.3	1.03	MM
200601K1_3	2.50	0.75	NO	39.08	1.000	4.55e4	1.80e6	2.41	-3.4	1.01	MM
200601K1_4	50.0	0.77	NO	39.08	1.000	9.27e5	1.70e6	52.0	4.1	1.09	MM
200601K1_5	400	0.76	NO	39.08	1.000	8.26e6	1.88e6	420	5.0	1.10	MM
200601K1_6	1000	0.75	NO	39.08	1.000	2.10e7	1.94e6	1040	3.5	1.08	dd

Dataset: U:\VG11.PRO\Results\200801K1\200801K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

**Compound name: PCB-77**

Response Factor: 1.13899

RRF SD: 0.0451791, Relative SD: 3.97357

Response type: Internal Std ( Ref 184 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200801K1_1	0.250	0.83	NO	39.67	1.000	4.37e3	1.59e6	0.241	-3.5	1.10	MM
200801K1_2	1.00	0.80	NO	39.67	1.000	1.89e4	1.71e6	0.972	-2.8	1.11	MM
200801K1_3	2.50	0.80	NO	39.67	1.000	4.78e4	1.75e6	2.40	-4.0	1.09	MM
200801K1_4	50.0	0.77	NO	39.67	1.000	1.00e6	1.69e6	52.1	4.2	1.18	MM
200801K1_5	400	0.77	NO	39.67	1.000	8.76e6	1.84e6	420	5.0	1.19	MM
200801K1_6	1000	0.78	NO	39.67	1.000	2.23e7	1.94e6	1010	1.1	1.15	MM

**Compound name: PCB-104**

Response Factor: 1.12208

RRF SD: 0.11916, Relative SD: 10.6196

Response type: Internal Std ( Ref 185 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200801K1_1	0.250	1.37	NO	32.47	1.001	2.59e3	1.12e6	0.206	-17.7	0.924	MM
200801K1_2	1.00	1.55	NO	32.47	1.001	1.33e4	1.28e6	0.942	-5.8	1.06	bb
200801K1_3	2.50	1.52	NO	32.47	1.001	3.30e4	1.20e6	2.48	-1.8	1.10	bb
200801K1_4	50.0	1.57	NO	32.47	1.001	7.02e5	1.17e6	53.2	6.5	1.19	bb
200801K1_5	400	1.55	NO	32.47	1.001	6.29e6	1.28e6	437	9.3	1.23	bb
200801K1_6	1000	1.56	NO	32.47	1.001	1.57e7	1.28e6	1090	9.3	1.23	bb

**Compound name: PCB-96**

Response Factor: 1.15383

RRF SD: 0.0979018, Relative SD: 8.48491

Response type: Internal Std ( Ref 185 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200801K1_1	0.250	1.77	NO	33.78	1.041	2.64e3	1.12e6	0.220	-12.2	1.01	MM
200801K1_2	1.00	1.54	NO	33.78	1.041	1.35e4	1.28e6	0.932	-6.8	1.08	bb

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

**Compound name: PCB-96**

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_3	2.50	1.49	NO	33.78	1.041	3.37e4	1.20e6	2.45	-2.2	1.13	bb
200601K1_4	50.0	1.58	NO	33.78	1.041	7.07e5	1.17e6	52.2	4.3	1.20	bb
200601K1_5	400	1.57	NO	33.78	1.041	6.41e6	1.28e6	434	8.4	1.25	bb
200601K1_6	1000	1.57	NO	33.78	1.041	1.80e7	1.28e6	1080	8.4	1.25	bb

**Compound name: PCB-103**

Response Factor: 0.936494

RRF SD: 0.0702306, Relative SD: 7.49931

Response type: Internal Std ( Ref 185 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.88	NO	34.33	1.059	2.72e3	1.12e6	0.259	3.5	0.969	MM
200601K1_2	1.00	1.75	NO	34.33	1.058	1.06e4	1.26e6	0.898	-10.2	0.841	MM
200601K1_3	2.50	1.71	NO	34.33	1.058	2.57e4	1.20e6	2.30	-8.0	0.862	bb
200601K1_4	50.0	1.56	NO	34.33	1.058	5.53e5	1.17e6	50.3	0.8	0.942	bb
200601K1_5	400	1.58	NO	34.33	1.058	5.08e6	1.28e6	423	5.7	0.990	bb
200601K1_6	1000	1.55	NO	34.33	1.058	1.30e7	1.28e6	1080	8.3	1.01	bb

**Compound name: PCB-100**

Response Factor: 0.953574

RRF SD: 0.0599585, Relative SD: 6.28777

Response type: Internal Std ( Ref 185 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.33	NO	34.69	1.069	2.84e3	1.12e6	0.247	-1.3	0.941	bb
200601K1_2	1.00	1.48	NO	34.69	1.069	1.09e4	1.28e6	0.913	-8.7	0.870	MM
200601K1_3	2.50	1.72	NO	34.71	1.069	2.72e4	1.20e6	2.38	-4.7	0.908	bb
200601K1_4	50.0	1.58	NO	34.71	1.069	5.88e5	1.17e6	50.5	1.0	0.983	bb
200601K1_5	400	1.57	NO	34.71	1.069	5.18e6	1.28e6	422	5.5	1.01	bb
200601K1_6	1000	1.55	NO	34.71	1.069	1.32e7	1.28e6	1080	8.2	1.03	bb

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

**Compound name: PCB-94**

Response Factor: 0.948862

RRF SD: 0.0587427, Relative SD: 6.19086

Response type: Internal Std ( Ref 186 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200601K1_1	0.250	1.87	NO	35.17	0.985	2.16e3	8.86e5	0.257	2.8	0.975	MM
2	200601K1_2	1.00	1.51	NO	35.19	0.985	8.32e3	9.63e5	0.910	-9.0	0.863	bb
3	200601K1_3	2.50	1.49	NO	35.19	0.985	2.12e4	9.53e5	2.35	-6.1	0.891	bb
4	200601K1_4	50.0	1.57	NO	35.19	0.985	4.48e5	9.36e5	50.5	0.9	0.958	bb
5	200601K1_5	400	1.57	NO	35.19	0.985	4.07e6	1.01e6	424	6.0	1.01	bb
6	200601K1_6	1000	1.57	NO	35.19	0.985	1.05e7	1.05e6	1050	5.4	1.00	bb

**Compound name: PCB-95/98/102**

Response Factor: 1.20445

RRF SD: 0.061353, Relative SD: 5.09384

Response type: Internal Std ( Ref 186 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200601K1_1	0.750	1.52	NO	35.66	0.998	7.52e3	8.86e5	0.704	-6.1	1.13	MM
2	200601K1_2	3.00	1.52	NO	35.67	0.999	3.47e4	9.63e5	2.99	-0.3	1.20	bd
3	200601K1_3	7.50	1.61	NO	35.67	0.999	8.12e4	9.53e5	7.08	-5.6	1.14	dd
4	200601K1_4	150	1.57	NO	35.67	0.998	1.72e6	9.36e5	152	1.5	1.22	bd
5	200601K1_5	1200	1.56	NO	35.67	0.998	1.56e7	1.01e6	1260	6.5	1.28	bd
6	200601K1_6	3000	1.57	NO	35.67	0.998	3.94e7	1.05e6	3120	4.0	1.25	bd

**Compound name: PCB-83**

Response Factor: 0.935009

RRF SD: 0.088569, Relative SD: 9.47253

Response type: Internal Std ( Ref 186 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200601K1_1	0.250	1.42	NO	35.82	1.003	1.78e3	8.86e5	0.215	-14.0	0.805	MM
2	200601K1_2	1.00	1.59	NO	35.81	1.003	8.62e3	9.63e5	0.957	-4.3	0.895	dd

Dataset: U:\VG11.PROVResults\200801K1\200801K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-83

Name	Std. Conc.	RA	rt/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_3	2.50	1.70	NO	35.81	1.003	2.10e4	9.53e5	2.36	-5.5	0.884	dd
200801K1_4	50.0	1.83	NO	35.81	1.002	4.57e5	9.36e5	52.3	4.5	0.977	db
200801K1_5	400	1.80	NO	35.82	1.003	4.17e6	1.01e6	441	10.3	1.03	db
200801K1_6	1000	1.59	NO	35.82	1.003	1.07e7	1.05e6	1090	8.9	1.02	db

Compound name: PCB-88/91

Response Factor: 1.06482

RRF SD: 0.0420968, Relative SD: 3.95341

Response type: Internal Std ( Ref 186 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	rt/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	0.500	1.77	NO	36.14	1.012	4.58e3	8.86e5	0.485	-3.0	1.03	dd
200801K1_2	2.00	1.52	NO	36.14	1.012	2.02e4	9.63e5	1.97	-1.5	1.05	MM
200801K1_3	5.00	1.53	NO	36.14	1.012	4.83e4	9.53e5	4.76	-4.8	1.01	dd
200801K1_4	100	1.56	NO	36.16	1.012	9.97e5	9.36e5	100	0.0	1.07	MM
200801K1_5	800	1.55	NO	36.16	1.012	9.06e6	1.01e6	842	5.2	1.12	bd
200801K1_6	2000	1.56	NO	36.16	1.012	2.32e7	1.05e6	2080	4.0	1.11	bd

Compound name: PCB-121

Response Factor: 1.70958

RRF SD: 0.131372, Relative SD: 7.68456

Response type: Internal Std ( Ref 186 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	rt/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	0.250	1.84	NO	36.23	1.015	4.15e3	8.86e5	0.274	9.5	1.87	db
200801K1_2	1.00	1.86	NO	36.23	1.015	1.50e4	9.63e5	0.910	-9.0	1.58	db
200801K1_3	2.50	1.85	NO	36.25	1.015	3.70e4	9.53e5	2.27	-9.2	1.55	dd
200801K1_4	50.0	1.56	NO	36.25	1.015	7.99e5	9.36e5	50.0	-0.1	1.71	db
200801K1_5	400	1.59	NO	36.25	1.015	7.25e6	1.01e6	420	4.9	1.79	db
200801K1_6	1000	1.59	NO	36.25	1.015	1.86e7	1.05e6	1040	3.8	1.77	db

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

**Compound name: PCB-84/92**

Response Factor: 1.01774

RRF SD: 0.0662787, Relative SD: 6.51234

Response type: Internal Std ( Ref 187 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200601K1_1	0.500	1.74	NO	37.09	0.990	3.96e3	8.58e5	0.454	-9.1	0.925	MM
200601K1_2	2.00	1.51	NO	37.09	0.990	1.83e4	9.58e5	1.88	-8.1	0.958	bd
200601K1_3	5.00	1.58	NO	37.09	0.990	4.76e4	9.39e5	4.98	-0.3	1.01	bd
200601K1_4	100	1.57	NO	37.09	0.990	9.53e5	9.13e5	102	2.5	1.04	bd
200601K1_5	800	1.57	NO	37.09	0.990	8.79e6	1.01e6	858	7.2	1.09	bd
200601K1_6	2000	1.58	NO	37.09	0.990	2.23e7	1.04e6	2120	5.8	1.08	bd

**Compound name: PCB-89**

Response Factor: 1.1051

RRF SD: 0.0694328, Relative SD: 6.28293

Response type: Internal Std ( Ref 187 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200601K1_1	0.250	1.77	NO	37.28	0.995	2.45e3	8.58e5	0.259	3.5	1.14	MM
200601K1_2	1.00	1.58	NO	37.28	0.995	9.36e3	9.58e5	0.885	-11.5	0.978	dd
200601K1_3	2.50	1.58	NO	37.29	0.998	2.53e4	9.39e5	2.44	-2.5	1.08	dd
200601K1_4	50.0	1.54	NO	37.29	0.998	5.14e5	9.13e5	50.9	1.9	1.13	dd
200601K1_5	400	1.57	NO	37.29	0.998	4.71e6	1.01e6	424	5.9	1.17	dd
200601K1_6	1000	1.58	NO	37.29	0.998	1.18e7	1.04e6	1030	2.7	1.13	dd

**Compound name: PCB-90/101**

Response Factor: 1.12263

RRF SD: 0.0479543, Relative SD: 4.27159

Response type: Internal Std ( Ref 187 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200601K1_1	0.500	1.57	NO	37.46	1.000	4.62e3	8.58e5	0.481	-3.8	1.08	db
200601K1_2	2.00	1.58	NO	37.46	1.000	2.07e4	9.58e5	1.93	-3.7	1.08	dd

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-90/101

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_3	5.00	1.66	NO	37.48	1.000	5.09e4	9.39e5	4.83	-3.4	1.08	dd
200601K1_4	100	1.58	NO	37.48	1.000	1.04e6	9.13e5	101	1.5	1.14	dd
200601K1_5	800	1.58	NO	37.48	1.000	9.62e6	1.01e6	851	6.4	1.19	dd
200601K1_6	2000	1.58	NO	37.48	1.000	2.40e7	1.04e6	2060	3.0	1.16	dd

Compound name: PCB-113

Response Factor: 1.51404

RRF SD: 0.104163, Relative SD: 6.87979

Response type: Internal Std ( Ref 187 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.39	NO	37.72	1.007	2.80e3	8.56e5	0.216	-13.7	1.31	MM
200601K1_2	1.00	1.48	NO	37.72	1.007	1.47e4	9.58e5	1.02	1.5	1.54	dd
200601K1_3	2.50	1.59	NO	37.72	1.007	3.61e4	9.39e5	2.54	1.5	1.54	dd
200601K1_4	50.0	1.57	NO	37.72	1.007	7.07e5	9.13e5	51.1	2.2	1.55	dd
200601K1_5	400	1.57	NO	37.72	1.007	6.45e6	1.01e6	423	5.8	1.60	dd
200601K1_6	1000	1.57	NO	37.72	1.007	1.61e7	1.04e6	1030	2.6	1.55	dd

Compound name: PCB-99

Response Factor: 1.32101

RRF SD: 0.111661, Relative SD: 8.45271

Response type: Internal Std ( Ref 187 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.51	NO	37.81	1.009	3.12e3	8.56e5	0.276	10.3	1.46	MM
200601K1_2	1.00	1.53	NO	37.81	1.009	1.15e4	9.58e5	0.907	-9.3	1.20	db
200601K1_3	2.50	1.66	NO	37.81	1.009	2.78e4	9.39e5	2.24	-10.5	1.18	db
200601K1_4	50.0	1.62	NO	37.81	1.009	6.00e5	9.13e5	49.7	-0.5	1.31	db
200601K1_5	400	1.60	NO	37.83	1.010	5.65e6	1.01e6	425	6.2	1.40	db
200601K1_6	1000	1.57	NO	37.83	1.010	1.42e7	1.04e6	1040	3.8	1.37	db

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-119

Response Factor: 1.80526

RRF SD: 0.0967589, Relative SD: 5.35982

Response type: Internal Std ( Ref 188 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	Qty	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.64	NO	38.30	0.987	3.62e3	7.55e5	0.265	6.1	1.92	bd
200601K1_2	1.00	1.55	NO	38.30	0.987	1.42e4	8.31e5	0.948	-5.2	1.71	dd
200601K1_3	2.50	1.50	NO	38.30	0.987	3.42e4	8.21e5	2.31	-7.7	1.67	bd
200601K1_4	50.0	1.57	NO	38.30	0.987	7.20e5	7.95e5	50.2	0.4	1.81	bd
200601K1_5	400	1.55	NO	38.30	0.987	6.73e6	9.02e5	413	3.3	1.87	bd
200601K1_6	1000	1.56	NO	38.30	0.987	1.70e7	9.13e5	1030	3.1	1.86	bd

Compound name: PCB-108/112

Response Factor: 1.44497

RRF SD: 0.091955, Relative SD: 6.36379

Response type: Internal Std ( Ref 188 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	Qty	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.500	1.61	NO	38.45	0.991	5.26e3	7.55e5	0.482	-3.6	1.39	dd
200601K1_2	2.00	1.50	NO	38.45	0.991	2.21e4	8.31e5	1.84	-7.9	1.33	dd
200601K1_3	5.00	1.57	NO	38.45	0.991	5.62e4	8.21e5	4.74	-5.3	1.37	dd
200601K1_4	100	1.57	NO	38.47	0.991	1.19e6	7.95e5	104	3.8	1.50	dd
200601K1_5	800	1.56	NO	38.47	0.991	1.11e7	9.02e5	851	6.4	1.54	dd
200601K1_6	2000	1.57	NO	38.47	0.991	2.81e7	9.13e5	2130	6.6	1.54	dd

Compound name: PCB-83

Response Factor: 1.83179

RRF SD: 0.0986786, Relative SD: 5.387

Response type: Internal Std ( Ref 188 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	Qty	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.60	NO	38.61	0.995	3.44e3	7.55e5	0.249	-0.4	1.82	dd
200601K1_2	1.00	1.63	NO	38.61	0.995	1.41e4	8.31e5	0.929	-7.1	1.70	dd



Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-83

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev.	RRF	X = dropped
200601K1_3	2.50	1.52	NO	38.61	0.995	3.54e4	8.21e5	2.38	-5.8	1.73	dd
200601K1_4	50.0	1.59	NO	38.63	0.998	7.53e5	7.95e5	51.7	3.4	1.89	dd
200601K1_5	400	1.57	NO	38.63	0.998	8.96e6	9.02e5	421	5.3	1.93	dd
200601K1_6	1000	1.57	NO	38.63	0.998	1.75e7	9.13e5	1050	4.6	1.92	dd

Compound name: PCB-87

Response Factor: 1.28197

RRF SD: 0.0538988, Relative SD: 4.20437

Response type: Internal Std ( Ref 188 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev.	RRF	X = dropped
200601K1_1	0.250	1.36	NO	38.82	1.000	2.35e3	7.55e5	0.243	-2.9	1.25	MM
200601K1_2	1.00	1.42	NO	38.82	1.000	1.01e4	8.31e5	0.949	-5.1	1.22	dd
200601K1_3	2.50	1.48	NO	38.84	1.001	2.56e4	8.21e5	2.43	-2.8	1.25	dd
200601K1_4	50.0	1.58	NO	38.84	1.001	5.17e5	7.95e5	50.7	1.4	1.30	dd
200601K1_5	400	1.58	NO	38.84	1.001	4.86e6	9.02e5	420	5.0	1.35	dd
200601K1_6	1000	1.58	NO	38.84	1.001	1.22e7	9.13e5	1040	4.4	1.34	dd

Compound name: PCB-88

Response Factor: 1.11715

RRF SD: 0.0744773, Relative SD: 8.6867

Response type: Internal Std ( Ref 188 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev.	RRF	X = dropped
200601K1_1	0.250	1.47	NO	38.97	1.004	1.84e3	7.55e5	0.219	-12.8	0.977	dd
200601K1_2	1.00	1.82	NO	38.99	1.005	9.15e3	8.31e5	0.985	-1.5	1.10	dd
200601K1_3	2.50	1.83	NO	38.99	1.005	2.31e4	8.21e5	2.52	0.6	1.12	dd
200601K1_4	50.0	1.58	NO	38.99	1.005	4.60e5	7.95e5	51.8	3.6	1.16	dd
200601K1_5	400	1.57	NO	38.99	1.005	4.23e6	9.02e5	420	4.9	1.17	dd
200601K1_6	1000	1.55	NO	38.99	1.005	1.07e7	9.13e5	1050	4.9	1.17	dd

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-87/117/125

Response Factor: 1.55887

RRF SD: 0.10978, Relative SD: 7.04225

Response type: Internal Std ( Ref 188 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Inty	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.750	1.69	NO	39.10	1.008	8.41e3	7.55e5	0.714	-4.8	1.48	dd
200601K1_2	3.00	1.54	NO	39.12	1.008	3.56e4	8.31e5	2.74	-8.5	1.43	dd
200601K1_3	7.50	1.62	NO	39.12	1.008	9.10e4	8.21e5	7.11	-5.2	1.48	dd
200601K1_4	150	1.57	NO	39.12	1.008	1.92e6	7.95e5	155	3.4	1.61	dd
200601K1_5	1200	1.57	NO	39.12	1.008	1.82e7	9.02e5	1290	7.6	1.68	dd
200601K1_6	3000	1.57	NO	39.12	1.008	4.59e7	9.13e5	3220	7.5	1.68	dd

Compound name: PCB-111/115

Response Factor: 1.91042

RRF SD: 0.105925, Relative SD: 5.54456

Response type: Internal Std ( Ref 188 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Inty	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.500	1.58	NO	39.27	1.012	6.99e3	7.55e5	0.485	-3.1	1.85	dd
200601K1_2	2.00	1.41	NO	39.27	1.012	2.93e4	8.31e5	1.85	-7.6	1.77	dd
200601K1_3	5.00	1.62	NO	39.27	1.012	7.57e4	8.21e5	4.82	-3.5	1.84	dd
200601K1_4	100	1.57	NO	39.27	1.012	1.56e6	7.95e5	103	2.6	1.96	dd
200601K1_5	800	1.57	NO	39.27	1.012	1.46e7	9.02e5	847	5.6	2.02	dd
200601K1_6	2000	1.55	NO	39.28	1.013	3.69e7	9.13e5	2120	5.8	2.02	dd

Compound name: PCB-85/116

Response Factor: 1.41084

RRF SD: 0.0937905, Relative SD: 6.64783

Response type: Internal Std ( Ref 188 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Inty	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.500	1.72	NO	39.40	1.015	5.54e3	7.55e5	0.520	4.0	1.47	db
200601K1_2	2.00	1.42	NO	39.40	1.015	2.11e4	8.31e5	1.79	-10.3	1.27	dd

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-85/116

Name	Std. Conc.	RA	nty	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_3	5.00	1.54	NO	39.40	1.015	5.42e4	8.21e5	4.68	-6.4	1.32	dd
200601K1_4	100	1.58	NO	39.40	1.015	1.15e6	7.95e5	102	2.3	1.44	db
200601K1_5	800	1.58	NO	39.40	1.015	1.07e7	9.02e5	842	5.2	1.48	db
200601K1_6	2000	1.60	NO	39.40	1.015	2.71e7	9.13e5	2100	5.2	1.48	db

Compound name: PCB-120

Response Factor: 2.00504

RRF SD: 0.113682, Relative SD: 5.66984

Response type: Internal Std ( Ref 188 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	nty	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.42	NO	39.84	1.022	3.56e3	7.55e5	0.235	-6.0	1.88	bd
200601K1_2	1.00	1.56	NO	39.66	1.022	1.80e4	8.31e5	0.959	-4.1	1.92	dd
200601K1_3	2.50	1.56	NO	39.66	1.022	3.91e4	8.21e5	2.37	-5.1	1.90	dd
200601K1_4	50.0	1.56	NO	39.66	1.022	8.25e5	7.95e5	51.8	3.5	2.08	bd
200601K1_5	400	1.59	NO	39.66	1.022	7.83e6	9.02e5	422	5.4	2.11	bd
200601K1_6	1000	1.56	NO	39.66	1.022	1.95e7	9.13e5	1060	6.3	2.13	bd

Compound name: PCB-110

Response Factor: 1.74266

RRF SD: 0.0926364, Relative SD: 5.3158

Response type: Internal Std ( Ref 188 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	nty	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.62	NO	39.79	1.025	3.10e3	7.55e5	0.235	-5.9	1.84	db
200601K1_2	1.00	1.56	NO	39.81	1.026	1.38e4	8.31e5	0.954	-4.8	1.86	MM
200601K1_3	2.50	1.56	NO	39.81	1.026	3.44e4	8.21e5	2.40	-3.9	1.87	db
200601K1_4	50.0	1.58	NO	39.81	1.026	7.19e5	7.95e5	51.9	3.8	1.81	db
200601K1_5	400	1.58	NO	39.81	1.026	6.65e6	9.02e5	423	5.7	1.84	db
200601K1_6	1000	1.58	NO	39.81	1.026	1.67e7	9.13e5	1050	4.8	1.83	db

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-82  
 Response Factor: 0.781273  
 RRF SD: 0.0477185, Relative SD: 6.10778  
 Response type: Internal Std ( Ref 189 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Int.	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200601K1_1	0.250	1.38	NO	40.44	0.976	1.88e3	1.02e6	0.237	-5.4	0.739	MM
200601K1_2	1.00	1.79	NO	40.44	0.976	8.26e3	1.11e6	0.956	-4.4	0.747	MM
200601K1_3	2.50	1.57	NO	40.44	0.976	2.04e4	1.12e6	2.34	-6.5	0.731	dd
200601K1_4	50.0	1.57	NO	40.46	0.976	4.35e5	1.07e6	52.1	4.3	0.815	bb
200601K1_5	400	1.56	NO	40.46	0.976	3.98e6	1.18e6	431	7.8	0.842	bb
200601K1_6	1000	1.55	NO	40.46	0.976	1.00e7	1.23e6	1040	4.1	0.814	bb

Compound name: PCB-124  
 Response Factor: 1.39686  
 RRF SD: 0.11391, Relative SD: 8.15474  
 Response type: Internal Std ( Ref 189 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Int.	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200601K1_1	0.250	1.51	NO	41.15	0.993	3.66e3	1.02e6	0.257	2.9	1.44	MM
200601K1_2	1.00	1.81	NO	41.15	0.993	1.33e4	1.11e6	0.864	-13.6	1.21	bd
200601K1_3	2.50	1.49	NO	41.15	0.993	3.66e4	1.12e6	2.35	-6.1	1.31	bd
200601K1_4	50.0	1.57	NO	41.16	0.993	7.76e5	1.07e6	52.0	4.0	1.45	bd
200601K1_5	400	1.57	NO	41.16	0.993	7.10e6	1.18e6	431	7.7	1.50	bd
200601K1_6	1000	1.56	NO	41.16	0.993	1.81e7	1.23e6	1050	5.2	1.47	bd

Compound name: PCB-107/109  
 Response Factor: 1.3418  
 RRF SD: 0.112451, Relative SD: 8.38064  
 Response type: Internal Std ( Ref 189 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Int.	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200601K1_1	0.500	1.52	NO	41.31	0.997	6.09e3	1.02e6	0.446	-10.9	1.20	dd
200601K1_2	2.00	1.81	NO	41.29	0.996	2.87e4	1.11e6	1.93	-3.4	1.30	dd

Dataset: U:\VG11.PRO\Results\200801K1\200801K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-107/109

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_3	5.00	1.48	NO	41.29	0.998	6.93e4	1.12e6	4.83	-7.5	1.24	dd
200801K1_4	100	1.58	NO	41.29	0.998	1.50e6	1.07e6	105	4.9	1.41	dd
200801K1_5	800	1.58	NO	41.29	0.998	1.38e7	1.18e6	871	8.8	1.48	dd
200801K1_6	2000	1.58	NO	41.29	0.998	3.57e7	1.23e6	2160	8.0	1.45	dd

Compound name: PCB-123

Response Factor: 1.19789

RRF SD: 0.0778787, Relative SD: 6.48483

Response type: Internal Std ( Ref 189 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	0.250	1.66	NO	41.48	1.001	2.87e3	1.02e6	0.236	-5.7	1.13	db
200801K1_2	1.00	1.57	NO	41.48	1.001	1.21e4	1.11e6	0.917	-8.3	1.10	dd
200801K1_3	2.50	1.54	NO	41.48	1.001	3.25e4	1.12e6	2.43	-2.7	1.17	dd
200801K1_4	50.0	1.59	NO	41.48	1.000	6.69e5	1.07e6	52.3	4.8	1.25	dd
200801K1_5	400	1.58	NO	41.48	1.000	6.11e6	1.18e6	432	7.9	1.29	dd
200801K1_6	1000	1.58	NO	41.48	1.000	1.54e7	1.23e6	1040	4.2	1.25	dd

Compound name: PCB-106/118

Response Factor: 1.21941

RRF SD: 0.102837, Relative SD: 8.43331

Response type: Internal Std ( Ref 190 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	0.500	1.34	NO	41.67	1.001	5.58e3	1.07e6	0.426	-14.8	1.04	MM
200801K1_2	2.00	1.73	NO	41.69	1.001	2.72e4	1.17e6	1.92	-4.2	1.17	MM
200801K1_3	5.00	1.55	NO	41.69	1.001	7.07e4	1.16e6	5.01	0.2	1.22	MM
200801K1_4	100	1.57	NO	41.69	1.001	1.44e6	1.12e6	105	5.5	1.29	MM
200801K1_5	800	1.58	NO	41.69	1.001	1.33e7	1.27e6	881	7.8	1.31	MM
200801K1_6	2000	1.58	NO	41.69	1.001	3.40e7	1.32e6	2110	5.7	1.29	MM

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-114  
 Response Factor: 1.14116  
 RRF SD: 0.0850793, Relative SD: 7.45549  
 Response type: Internal Std ( Ref 191 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.33	NO	42.32	1.000	3.86e3	1.38e6	0.248	-0.7	1.13	MM
200601K1_2	1.00	1.64	NO	42.34	1.001	1.48e4	1.45e6	0.891	-10.9	1.02	MM
200601K1_3	2.50	1.54	NO	42.34	1.000	3.91e4	1.47e6	2.33	-6.7	1.06	MM
200601K1_4	50.0	1.57	NO	42.34	1.000	8.45e5	1.41e6	52.8	5.3	1.20	MM
200601K1_5	400	1.54	NO	42.34	1.000	7.43e6	1.52e6	428	7.0	1.22	MM
200601K1_6	1000	1.55	NO	42.34	1.000	1.91e7	1.58e6	1060	6.0	1.21	MM

Compound name: PCB-122  
 Response Factor: 0.944286  
 RRF SD: 0.0437623, Relative SD: 4.63443  
 Response type: Internal Std ( Ref 191 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.81	NO	42.47	1.004	2.97e3	1.38e6	0.231	-7.8	0.871	MM
200601K1_2	1.00	1.80	NO	42.47	1.004	1.33e4	1.45e6	0.970	-3.0	0.915	MM
200601K1_3	2.50	1.54	NO	42.47	1.004	3.50e4	1.47e6	2.52	0.9	0.953	MM
200601K1_4	50.0	1.56	NO	42.47	1.004	6.92e5	1.41e6	52.1	4.2	0.984	MM
200601K1_5	400	1.55	NO	42.47	1.004	5.98e6	1.52e6	418	4.1	0.983	MM
200601K1_6	1000	1.56	NO	42.47	1.004	1.51e7	1.58e6	1020	1.8	0.959	MM

Compound name: PCB-105  
 Response Factor: 1.05075  
 RRF SD: 0.0648066, Relative SD: 6.16764  
 Response type: Internal Std ( Ref 192 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.32	NO	43.21	1.000	3.35e3	1.40e6	0.228	-8.9	0.957	bb
200601K1_2	1.00	1.56	NO	43.23	1.001	1.48e4	1.47e6	0.957	-4.3	1.01	MM

Dataset: U:\WG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-105

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_3	2.50	1.58	NO	43.23	1.000	3.84e4	1.49e6	2.45	-2.1	1.03	MM
200601K1_4	50.0	1.58	NO	43.23	1.000	7.78e5	1.42e6	52.1	4.1	1.09	dd
200601K1_5	400	1.59	NO	43.23	1.000	6.92e6	1.53e6	431	7.7	1.13	dd
200601K1_6	1000	1.58	NO	43.23	1.000	1.78e7	1.82e6	1030	3.4	1.09	dd

Compound name: PCB-127

Response Factor: 1.05904

RRF SD: 0.0891593, Relative SD: 6.53037

Response type: Internal Std ( Ref 193 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.35	NO	43.57	1.000	3.42e3	1.45e6	0.223	-10.8	0.944	MM
200601K1_2	1.00	1.53	NO	43.57	1.000	1.54e4	1.51e6	0.965	-3.5	1.02	db
200601K1_3	2.50	1.57	NO	43.57	1.000	4.15e4	1.59e6	2.47	-1.3	1.05	MM
200601K1_4	50.0	1.57	NO	43.57	1.000	6.11e5	1.47e6	52.2	4.4	1.11	db
200601K1_5	400	1.59	NO	43.57	1.000	7.02e6	1.58e6	420	5.0	1.11	db
200601K1_6	1000	1.57	NO	43.57	1.000	1.85e7	1.84e6	1060	6.1	1.12	db

Compound name: PCB-128

Response Factor: 1.17214

RRF SD: 0.0891348, Relative SD: 7.60443

Response type: Internal Std ( Ref 194 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.67	NO	45.52	1.000	3.40e3	1.33e6	0.218	-12.8	1.02	bb
200601K1_2	1.00	1.48	NO	45.52	1.000	1.71e4	1.49e6	0.982	-1.8	1.15	MM
200601K1_3	2.50	1.61	NO	45.52	1.000	4.35e4	1.54e6	2.42	-3.3	1.13	MM
200601K1_4	50.0	1.54	NO	45.54	1.000	8.88e5	1.45e6	52.1	4.3	1.22	db
200601K1_5	400	1.56	NO	45.54	1.001	7.83e6	1.51e6	431	7.7	1.26	db
200601K1_6	1000	1.56	NO	45.54	1.000	1.98e7	1.80e6	1060	5.9	1.24	db

Dataset: U:\VG11.PRO\Results\200801K1\200801K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-155  
 Response Factor: 1.04363  
 RRF SD: 0.0461718, Relative SD: 4.42414  
 Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	rt	RT	RRF	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	0.250	1.30	NO	37.01	1.001	1.70e3	6.57e5	0.247	-1.1	1.03	bb
200801K1_2	1.00	1.23	NO	37.01	1.001	7.53e3	7.35e5	0.981	-1.9	1.02	bb
200801K1_3	2.50	1.18	NO	37.01	1.000	1.80e4	7.36e5	2.34	-6.5	0.976	bb
200801K1_4	50.0	1.30	NO	37.01	1.000	3.73e5	7.19e5	49.7	-0.8	1.04	bb
200801K1_5	400	1.30	NO	37.01	1.000	3.46e6	7.88e5	421	5.4	1.10	bb
200801K1_6	1000	1.29	NO	37.01	1.000	6.65e6	7.92e5	1050	4.7	1.09	bb

Compound name: PCB-150  
 Response Factor: 1.08341  
 RRF SD: 0.0925801, Relative SD: 8.54521  
 Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	rt	RT	RRF	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	0.250	1.14	NO	38.30	1.036	1.59e3	6.57e5	0.223	-10.8	0.967	MM
200801K1_2	1.00	1.15	NO	38.32	1.036	7.27e3	7.35e5	0.912	-6.8	0.968	bb
200801K1_3	2.50	1.32	NO	38.32	1.036	1.98e4	7.36e5	2.49	-0.6	1.08	bb
200801K1_4	50.0	1.26	NO	38.32	1.036	3.96e5	7.19e5	50.9	1.7	1.10	bb
200801K1_5	400	1.29	NO	38.32	1.036	3.72e6	7.88e5	436	8.9	1.18	bb
200801K1_6	1000	1.29	NO	38.32	1.036	9.39e6	7.92e5	1090	9.5	1.19	bb

Compound name: PCB-152  
 Response Factor: 1.18641  
 RRF SD: 0.106735, Relative SD: 8.99646  
 Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	rt	RT	RRF	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	0.250	1.37	NO	38.80	1.049	1.72e3	6.57e5	0.221	-11.7	1.05	MM
200801K1_2	1.00	1.34	NO	38.80	1.049	6.42e3	7.35e5	0.966	-3.4	1.15	bb



Dataset: U:\VG11.PROVResults\200801K1\200801K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-152

Name	Std Conc	RA	nty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X=dropped
200801K1_3	2.50	1.28	NO	38.80	1.049	2.02e4	7.36e5	2.32	-7.3	1.10	bb
200801K1_4	50.0	1.30	NO	38.80	1.049	4.38e5	7.19e5	51.3	2.6	1.22	bb
200801K1_5	400	1.31	NO	38.80	1.049	4.12e6	7.88e5	441	10.4	1.31	bb
200801K1_6	1000	1.30	NO	38.82	1.049	1.03e7	7.92e5	1090	9.4	1.30	bb

Compound name: PCB-145

Response Factor: 1.18848  
 RRF SD: 0.0869925, Relative SD: 7.31963  
 Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std Conc	RA	nty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X=dropped
200801K1_1	0.250	1.30	NO	39.27	1.062	1.80e3	6.57e5	0.231	-7.7	1.10	MM
200801K1_2	1.00	1.31	NO	39.27	1.062	8.51e3	7.35e5	0.974	-2.6	1.16	bb
200801K1_3	2.50	1.25	NO	39.27	1.061	2.04e4	7.36e5	2.34	-6.6	1.11	bb
200801K1_4	50.0	1.31	NO	39.27	1.061	4.24e5	7.19e5	49.6	-0.9	1.18	bb
200801K1_5	400	1.28	NO	39.27	1.061	4.10e6	7.88e5	438	9.5	1.30	bb
200801K1_6	1000	1.29	NO	39.27	1.061	1.02e7	7.92e5	1080	6.2	1.29	bb

Compound name: PCB-136

Response Factor: 1.02088  
 RRF SD: 0.0891715, Relative SD: 6.77588  
 Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std Conc	RA	nty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X=dropped
200801K1_1	0.250	1.19	NO	39.60	1.071	1.50e3	6.57e5	0.224	-10.4	0.915	MM
200801K1_2	1.00	1.37	NO	39.60	1.071	7.18e3	7.35e5	0.957	-4.3	0.977	MM
200801K1_3	2.50	1.20	NO	39.60	1.070	1.87e4	7.36e5	2.49	-0.3	1.02	bd
200801K1_4	50.0	1.32	NO	39.60	1.070	3.70e5	7.19e5	50.4	0.7	1.03	bd
200801K1_5	400	1.30	NO	39.60	1.070	3.47e6	7.88e5	431	7.8	1.10	bd
200801K1_6	1000	1.29	NO	39.60	1.070	8.61e6	7.92e5	1080	6.5	1.09	bd

Dataset: U:\VG11.PRO\Results\200801K1\200801K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-148  
 Response Factor: 0.841589  
 RRF SD: 0.0633021, Relative SD: 7.52173  
 Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Int. Conc.	RA	nty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.05	NO	39.71	1.074	1.36e3	6.57e5	0.246	-1.4	0.830	MM
200601K1_2	1.00	1.26	NO	39.71	1.074	5.73e3	7.35e5	0.926	-7.4	0.779	db
200601K1_3	2.50	1.29	NO	39.71	1.073	1.42e4	7.36e5	2.30	-8.0	0.775	db
200601K1_4	50.0	1.32	NO	39.71	1.073	2.99e5	7.19e5	49.4	-1.1	0.832	db
200601K1_5	400	1.31	NO	39.71	1.073	2.87e6	7.88e5	434	8.4	0.913	db
200601K1_6	1000	1.31	NO	39.71	1.073	7.30e6	7.92e5	1090	9.5	0.921	db

Compound name: PCB-154  
 Response Factor: 0.91897  
 RRF SD: 0.0435601, Relative SD: 4.7401  
 Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Int. Conc.	RA	nty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.39	NO	40.22	1.088	1.56e3	6.57e5	0.258	3.3	0.949	MM
200601K1_2	1.00	1.41	NO	40.22	1.088	6.57e3	7.35e5	0.973	-2.7	0.894	MM
200601K1_3	2.50	1.35	NO	40.22	1.087	1.57e4	7.36e5	2.32	-7.1	0.853	bb
200601K1_4	50.0	1.33	NO	40.22	1.087	3.23e5	7.19e5	48.9	-2.2	0.899	bb
200601K1_5	400	1.30	NO	40.22	1.087	3.01e6	7.88e5	416	4.0	0.958	bb
200601K1_6	1000	1.30	NO	40.22	1.087	7.62e6	7.92e5	1050	4.7	0.963	bb

Compound name: PCB-151  
 Response Factor: 0.786525  
 RRF SD: 0.034223, Relative SD: 4.35117  
 Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Int. Conc.	RA	nty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.07	NO	40.88	1.106	1.19e3	6.57e5	0.231	-7.8	0.725	MM
200601K1_2	1.00	1.15	NO	40.88	1.106	5.79e3	7.35e5	1.00	0.1	0.787	bb

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-151

Name	Std Conc	RA	Hy	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_3	2.50	1.14	NO	40.88	1.105	1.45e4	7.36e5	2.50	0.0	0.787	bb
200601K1_4	50.0	1.33	NO	40.88	1.105	2.82e5	7.19e5	49.9	-0.2	0.785	bd
200601K1_5	400	1.31	NO	40.88	1.105	2.54e6	7.88e5	410	2.8	0.807	bb
200601K1_6	1000	1.28	NO	40.88	1.105	6.56e6	7.92e5	1050	5.2	0.828	bd

Compound name: PCB-135

Response Factor: 0.922274

RRF SD: 0.05017, Relative SD: 5.43982

Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	Hy	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.35	NO	41.11	1.112	1.63e3	6.57e5	0.268	7.3	0.990	MM
200601K1_2	1.00	1.27	NO	41.11	1.112	6.81e3	7.35e5	1.00	0.4	0.926	MM
200601K1_3	2.50	1.33	NO	41.11	1.111	1.56e4	7.36e5	2.29	-8.2	0.847	MM
200601K1_4	50.0	1.28	NO	41.11	1.111	3.19e5	7.19e5	48.1	-3.7	0.888	dd
200601K1_5	400	1.27	NO	41.11	1.111	2.93e6	7.88e5	403	0.7	0.929	bd
200601K1_6	1000	1.28	NO	41.11	1.111	7.56e6	7.92e5	1040	3.5	0.955	dd

Compound name: PCB-144

Response Factor: 0.788937

RRF SD: 0.0931784, Relative SD: 11.8106

Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	Hy	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.07	NO	41.22	1.115	1.14e3	6.57e5	0.219	-12.4	0.691	dd
200601K1_2	1.00	1.05	NO	41.20	1.114	5.31e3	7.35e5	0.915	-8.5	0.722	MM
200601K1_3	2.50	1.25	NO	41.22	1.114	1.33e4	7.36e5	2.29	-8.5	0.722	MM
200601K1_4	50.0	1.30	NO	41.22	1.114	2.87e5	7.19e5	50.6	1.3	0.799	dd
200601K1_5	400	1.28	NO	41.22	1.114	2.82e6	7.88e5	454	13.4	0.895	dd
200601K1_6	1000	1.28	NO	41.22	1.114	7.17e6	7.92e5	1150	14.7	0.905	dd

Dataset: U:\VG11.PRO\Results\200801K1\200801K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-147  
 Response Factor: 0.834498  
 RRF SD: 0.0629802, Relative SD: 7.54708  
 Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	0.250	1.35	NO	41.35	1.118	1.49e3	6.57e5	0.271	8.8	0.908	db
200801K1_2	1.00	1.27	NO	41.35	1.118	5.42e3	7.35e5	0.883	-11.7	0.737	MM
200801K1_3	2.50	1.33	NO	41.35	1.118	1.44e4	7.38e5	2.34	-8.4	0.781	MM
200801K1_4	50.0	1.32	NO	41.35	1.118	3.05e5	7.19e5	50.9	1.8	0.849	db
200801K1_5	400	1.29	NO	41.35	1.118	2.72e6	7.88e5	413	3.3	0.862	db
200801K1_6	1000	1.31	NO	41.35	1.118	6.90e6	7.92e5	1040	4.4	0.871	db

Compound name: PCB-139/149  
 Response Factor: 0.947782  
 RRF SD: 0.0555305, Relative SD: 5.859  
 Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	0.500	1.23	NO	41.63	1.126	3.21e3	6.57e5	0.515	3.0	0.977	MM
200801K1_2	2.00	1.18	NO	41.63	1.126	1.32e4	7.35e5	1.90	-5.2	0.898	MM
200801K1_3	5.00	1.32	NO	41.63	1.125	3.24e4	7.38e5	4.85	-7.0	0.881	bd
200801K1_4	100	1.30	NO	41.63	1.125	6.80e5	7.19e5	98.9	-3.1	0.918	bd
200801K1_5	800	1.28	NO	41.63	1.125	6.31e6	7.88e5	848	5.7	1.00	bd
200801K1_6	2000	1.30	NO	41.63	1.125	1.80e7	7.92e5	2130	6.8	1.01	bd

Compound name: PCB-140  
 Response Factor: 0.793808  
 RRF SD: 0.0527788, Relative SD: 6.65048  
 Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	0.250	1.38	NO	41.80	1.130	1.28e3	6.57e5	0.245	-1.8	0.779	MM
200801K1_2	1.00	1.30	NO	41.81	1.131	5.44e3	7.35e5	0.932	-6.8	0.740	MM

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-140

Name	Std Conc	RA	Int	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_3	2.50	1.30	NO	41.81	1.130	1.35e4	7.36e5	2.31	-7.4	0.735	db
200601K1_4	50.0	1.35	NO	41.81	1.130	2.88e5	7.19e5	50.5	0.9	0.801	db
200601K1_5	400	1.29	NO	41.81	1.130	2.70e6	7.88e5	431	7.9	0.856	db
200601K1_6	1000	1.32	NO	41.81	1.130	8.74e6	7.92e5	1070	7.3	0.851	db

Compound name: PCB-134/143

Response Factor: 0.758932

RRF SD: 0.0865715, Relative SD: 11.407

Response type: Internal Std ( Ref 196 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	Int	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.500	1.38	NO	42.26	0.975	3.74e3	1.21e6	0.408	-18.4	0.619	bb
200601K1_2	2.00	1.24	NO	42.26	0.975	1.80e4	1.26e6	1.88	-5.9	0.714	bb
200601K1_3	5.00	1.23	NO	42.26	0.975	4.77e4	1.30e6	4.84	-3.3	0.734	bb
200601K1_4	100	1.24	NO	42.26	0.974	1.01e6	1.25e6	107	8.8	0.809	bb
200601K1_5	800	1.22	NO	42.26	0.974	9.11e6	1.35e6	890	11.2	0.844	bb
200601K1_6	2000	1.24	NO	42.26	0.974	2.30e7	1.38e6	2200	9.8	0.833	bb

Compound name: PCB-131/133

Response Factor: 0.820779

RRF SD: 0.0843262, Relative SD: 10.2739

Response type: Internal Std ( Ref 196 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	Int	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.500	1.42	NO	42.57	0.982	4.18e3	1.21e6	0.420	-18.1	0.689	MM
200601K1_2	2.00	1.22	NO	42.57	0.982	1.97e4	1.26e6	1.90	-4.9	0.780	bd
200601K1_3	5.00	1.28	NO	42.57	0.982	5.11e4	1.30e6	4.79	-4.3	0.788	bd
200601K1_4	100	1.22	NO	42.57	0.981	1.08e6	1.25e6	105	5.3	0.885	bd
200601K1_5	800	1.22	NO	42.57	0.981	9.78e6	1.35e6	882	10.2	0.904	bd
200601K1_6	2000	1.23	NO	42.57	0.981	2.49e7	1.38e6	2190	9.7	0.901	bd

Dataset: U:\WG11.PROVResults\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-142  
 Response Factor: 0.754261  
 RRF SD: 0.0382275, Relative SD: 5.06821  
 Response type: Internal Std ( Ref 196 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Int. Conc.	RA	Qty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.18	NO	42.72	0.985	2.21e3	1.21e6	0.243	-2.8	0.733	MM
200601K1_2	1.00	1.24	NO	42.74	0.986	8.89e3	1.26e6	0.933	-6.7	0.703	db
200601K1_3	2.50	1.25	NO	42.74	0.986	2.38e4	1.30e6	2.42	-3.1	0.731	dd
200601K1_4	50.0	1.24	NO	42.74	0.985	4.79e5	1.25e6	50.8	1.5	0.766	dd
200601K1_5	400	1.23	NO	42.74	0.985	4.33e6	1.35e6	426	6.4	0.803	dd
200601K1_6	1000	1.21	NO	42.74	0.985	1.09e7	1.38e6	1050	4.7	0.790	dd

Compound name: PCB-146/165  
 Response Factor: 1.01661  
 RRF SD: 0.0808121, Relative SD: 7.94921  
 Response type: Internal Std ( Ref 196 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Int. Conc.	RA	Qty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.500	1.23	NO	42.97	0.991	5.49e3	1.21e6	0.447	-10.5	0.910	dd
200601K1_2	2.00	1.22	NO	42.97	0.991	2.47e4	1.26e6	1.92	-3.9	0.977	bb
200601K1_3	5.00	1.22	NO	42.97	0.991	6.23e4	1.30e6	4.71	-5.7	0.959	dd
200601K1_4	100	1.22	NO	42.97	0.990	1.31e6	1.25e6	103	2.9	1.05	dd
200601K1_5	800	1.23	NO	42.97	0.990	1.20e7	1.35e6	873	9.2	1.11	dd
200601K1_6	2000	1.22	NO	42.97	0.990	3.04e7	1.38e6	2160	8.1	1.10	dd

Compound name: PCB-132/161  
 Response Factor: 1.02411  
 RRF SD: 0.0851295, Relative SD: 6.3596  
 Response type: Internal Std ( Ref 196 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Int. Conc.	RA	Qty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.500	1.21	NO	43.19	0.996	5.86e3	1.21e6	0.474	-5.3	0.970	dd
200601K1_2	2.00	1.19	NO	43.21	0.997	2.45e4	1.26e6	1.89	-5.3	0.970	bd

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-132/161

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_3	5.00	1.28	NO	43.19	0.996	6.25e4	1.30e6	4.69	-6.2	0.961	dd
200601K1_4	100	1.24	NO	43.21	0.996	1.31e6	1.25e6	103	2.6	1.05	dd
200601K1_5	800	1.24	NO	43.21	0.996	1.19e7	1.35e6	861	7.7	1.10	dd
200601K1_6	2000	1.24	NO	43.21	0.996	3.02e7	1.38e6	2130	6.5	1.09	dd

Compound name: PCB-153

Response Factor: 1.07057

RRF SD: 0.0679682, Relative SD: 6.34876

Response type: Internal Std ( Ref 196 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.42	NO	43.38	1.000	2.99e3	1.21e6	0.232	-7.4	0.992	MM
200601K1_2	1.00	1.26	NO	43.40	1.001	1.30e4	1.28e6	0.960	-4.0	1.03	dd
200601K1_3	2.50	1.18	NO	43.40	1.001	3.29e4	1.30e6	2.38	-5.5	1.01	dd
200601K1_4	50.0	1.25	NO	43.40	1.000	6.97e5	1.25e6	52.0	4.0	1.11	dd
200601K1_5	400	1.24	NO	43.40	1.000	6.17e6	1.35e6	428	6.9	1.14	dd
200601K1_6	1000	1.24	NO	43.40	1.000	1.57e7	1.38e6	1060	6.0	1.14	dd

Compound name: PCB-168

Response Factor: 1.07725

RRF SD: 0.0814218, Relative SD: 7.55832

Response type: Internal Std ( Ref 196 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.09	NO	43.61	1.008	2.93e3	1.21e6	0.225	-10.1	0.969	db
200601K1_2	1.00	1.30	NO	43.61	1.008	1.29e4	1.28e6	0.946	-5.4	1.02	db
200601K1_3	2.50	1.23	NO	43.61	1.008	3.39e4	1.30e6	2.42	-3.3	1.04	db
200601K1_4	50.0	1.24	NO	43.61	1.005	6.89e5	1.25e6	51.1	2.1	1.10	db
200601K1_5	400	1.24	NO	43.63	1.008	6.32e6	1.35e6	435	8.7	1.17	db
200601K1_6	1000	1.23	NO	43.63	1.008	1.81e7	1.38e6	1060	8.0	1.16	db

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-141  
 Response Factor: 1.02661  
 RRF SD: 0.0643735, Relative SD: 6.27049  
 Response type: Internal Std ( Ref 197 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200601K1_1	0.250	1.34	NO	44.16	1.001	2.32e3	9.74e5	0.232	-7.2	0.953	MM
2	200601K1_2	1.00	1.28	NO	44.16	1.000	1.02e4	1.06e6	0.941	-5.9	0.966	MM
3	200601K1_3	2.50	1.23	NO	44.16	1.000	2.72e4	1.10e6	2.41	-3.6	0.989	bd
4	200601K1_4	50.0	1.24	NO	44.18	1.000	5.51e5	1.03e6	51.9	3.8	1.07	bd
5	200601K1_5	400	1.24	NO	44.18	1.000	4.91e6	1.12e6	426	6.6	1.09	bd
6	200601K1_6	1000	1.24	NO	44.16	1.000	1.23e7	1.12e6	1060	6.3	1.09	bd

Compound name: PCB-137  
 Response Factor: 1.11036  
 RRF SD: 0.0861984, Relative SD: 7.76308  
 Response type: Internal Std ( Ref 197 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200601K1_1	0.250	1.39	NO	44.54	1.010	2.39e3	9.74e5	0.221	-11.5	0.983	MM
2	200601K1_2	1.00	1.34	NO	44.56	1.009	1.09e4	1.06e6	0.931	-6.9	1.03	MM
3	200601K1_3	2.50	1.19	NO	44.56	1.009	3.06e4	1.10e6	2.51	0.3	1.11	MM
4	200601K1_4	50.0	1.24	NO	44.56	1.009	5.93e5	1.03e6	51.6	3.2	1.15	bd
5	200601K1_5	400	1.22	NO	44.56	1.009	5.38e6	1.12e6	432	8.0	1.20	bd
6	200601K1_6	1000	1.22	NO	44.56	1.009	1.34e7	1.12e6	1070	6.9	1.19	bd

Compound name: PCB-130  
 Response Factor: 0.885312  
 RRF SD: 0.0756292, Relative SD: 8.54266  
 Response type: Internal Std ( Ref 197 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200601K1_1	0.250	1.41	NO	44.65	1.012	1.86e3	9.74e5	0.216	-13.6	0.765	MM
2	200601K1_2	1.00	1.09	NO	44.65	1.012	9.08e3	1.06e6	0.969	-3.1	0.858	MM



Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-130

Name	Std Conc	RA	inj	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_3	2.50	1.29	NO	44.65	1.012	2.34e4	1.10e6	2.41	-3.7	0.852	MM
200601K1_4	50.0	1.24	NO	44.67	1.012	4.75e5	1.03e6	51.9	3.8	0.919	MM
200601K1_5	400	1.23	NO	44.67	1.012	4.37e6	1.12e6	440	10.0	0.974	MM
200601K1_6	1000	1.23	NO	44.67	1.012	1.06e7	1.12e6	1070	6.6	0.944	MM

Compound name: PCB-138/163/164

Response Factor: 1.28353

RRF SD: 0.106549, Relative SD: 8.30127

Response type: Internal Std ( Ref 198 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	inj	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.750	1.29	NO	45.05	1.001	8.62e3	1.00e6	0.671	-10.6	1.15	MM
200601K1_2	3.00	1.18	NO	45.05	1.001	4.01e4	1.11e6	2.82	-5.9	1.21	bd
200601K1_3	7.50	1.26	NO	45.05	1.001	1.06e5	1.16e6	7.12	-5.1	1.22	bd
200601K1_4	150	1.23	NO	45.05	1.001	2.17e6	1.07e6	157	4.8	1.35	bd
200601K1_5	1200	1.23	NO	45.05	1.001	2.01e7	1.18e6	1330	10.5	1.42	bd
200601K1_6	3000	1.23	NO	45.05	1.001	5.01e7	1.22e6	3190	6.3	1.36	bd

Compound name: PCB-158/160

Response Factor: 1.23999

RRF SD: 0.0786271, Relative SD: 6.34093

Response type: Internal Std ( Ref 198 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	inj	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.500	1.06	NO	45.28	1.006	5.95e3	1.00e6	0.479	-4.2	1.19	MM
200601K1_2	2.00	1.20	NO	45.30	1.007	2.56e4	1.11e6	1.87	-6.7	1.16	dd
200601K1_3	5.00	1.23	NO	45.30	1.006	6.75e4	1.16e6	4.70	-5.9	1.17	dd
200601K1_4	100	1.22	NO	45.30	1.006	1.38e6	1.07e6	104	3.6	1.26	dd
200601K1_5	800	1.22	NO	45.30	1.006	1.26e7	1.18e6	864	8.0	1.34	dd
200601K1_6	2000	1.24	NO	45.30	1.006	3.19e7	1.22e6	2100	5.2	1.30	dd

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-129  
 Response Factor: 0.866678  
 RRF SD: 0.0575828, Relative SD: 6.64409  
 Response type: Internal Std ( Ref 198 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRF	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.30	NO	45.54	1.012	2.07e3	1.00e6	0.239	-4.5	0.827	MM
200601K1_2	1.00	1.30	NO	45.54	1.012	9.27e3	1.11e6	0.968	-3.4	0.837	db
200601K1_3	2.50	1.28	NO	45.54	1.012	2.27e4	1.16e6	2.27	-9.2	0.787	db
200601K1_4	50.0	1.23	NO	45.54	1.012	4.97e5	1.07e6	53.4	6.8	0.926	db
200601K1_5	400	1.22	NO	45.54	1.012	4.35e6	1.18e6	426	6.6	0.923	db
200601K1_6	1000	1.22	NO	45.54	1.012	1.10e7	1.22e6	1040	3.8	0.900	db

Compound name: PCB-166  
 Response Factor: 1.14308  
 RRF SD: 0.0513388, Relative SD: 4.49125  
 Response type: Internal Std ( Ref 199 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRF	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.21	NO	46.02	0.993	3.46e3	1.22e6	0.249	-0.5	1.14	db
200601K1_2	1.00	1.17	NO	46.00	0.993	1.44e4	1.34e6	0.943	-5.7	1.08	MM
200601K1_3	2.50	1.25	NO	46.02	0.993	3.77e4	1.39e6	2.38	-4.7	1.09	MM
200601K1_4	50.0	1.24	NO	46.02	0.993	7.77e5	1.33e6	51.2	2.3	1.17	MM
200601K1_5	400	1.24	NO	46.02	0.993	6.88e6	1.42e6	423	5.8	1.21	MM
200601K1_6	1000	1.22	NO	46.02	0.993	1.77e7	1.51e6	1030	2.7	1.17	MM

Compound name: PCB-159  
 Response Factor: 1.21657  
 RRF SD: 0.0622303, Relative SD: 5.11521  
 Response type: Internal Std ( Ref 199 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRF	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.24	NO	46.34	1.000	3.62e3	1.22e6	0.245	-2.2	1.19	MM
200601K1_2	1.00	1.24	NO	46.34	1.000	1.58e4	1.34e6	0.961	-3.9	1.17	MM

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-150

Name	Std Conc	RA	rf	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	% dropped
200601K1_3	2.50	1.29	NO	46.36	1.001	3.92e4	1.38e6	2.33	-6.7	1.13	MM
200601K1_4	50.0	1.22	NO	46.36	1.000	8.24e5	1.33e6	51.0	2.0	1.24	MM
200601K1_5	400	1.24	NO	46.36	1.000	7.37e6	1.42e6	428	6.6	1.30	MM
200601K1_6	1000	1.23	NO	46.36	1.000	1.91e7	1.51e6	1040	4.3	1.27	MM

Compound name: PCB-128/162

Response Factor: 0.907497

RRF SD: 0.0511425, Relative SD: 5.63556

Response type: Internal Std ( Ref 199 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	rf	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	% dropped
200601K1_1	0.500	1.13	NO	46.64	1.007	5.34e3	1.22e6	0.484	-3.3	0.676	MM
200601K1_2	2.00	1.20	NO	46.64	1.007	2.26e4	1.34e6	1.86	-6.9	0.845	MM
200601K1_3	5.00	1.25	NO	46.64	1.007	5.99e4	1.38e6	4.77	-4.8	0.866	MM
200601K1_4	100	1.24	NO	46.64	1.007	1.25e6	1.33e6	103	3.3	0.938	MM
200601K1_5	800	1.24	NO	46.64	1.007	1.10e7	1.42e6	856	7.0	0.971	MM
200601K1_6	2000	1.21	NO	46.66	1.007	2.85e7	1.51e6	2090	4.4	0.947	MM

Compound name: PCB-167

Response Factor: 1.10858

RRF SD: 0.0571768, Relative SD: 5.15766

Response type: Internal Std ( Ref 200 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	rf	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	% dropped
200601K1_1	0.250	1.29	NO	47.06	1.001	3.31e3	1.22e6	0.248	-1.8	1.09	MM
200601K1_2	1.00	1.39	NO	47.06	1.001	1.36e4	1.33e6	0.938	-6.2	1.04	MM
200601K1_3	2.50	1.19	NO	47.06	1.000	3.66e4	1.39e6	2.38	-4.7	1.06	bb
200601K1_4	50.0	1.24	NO	47.06	1.000	7.62e5	1.38e6	50.6	1.2	1.12	bb
200601K1_5	400	1.25	NO	47.06	1.000	6.68e6	1.41e6	428	7.1	1.19	bb
200601K1_6	1000	1.23	NO	47.06	1.000	1.72e7	1.49e6	1040	4.3	1.16	bb

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-156  
 Response Factor: 1.12589  
 RRF SD: 0.0789703, Relative SD: 7.01404  
 Response type: Internal Std ( Ref 201 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.42	NO	48.38	1.000	3.07e3	1.18e6	0.231	-7.7	1.04	MM
200601K1_2	1.00	1.18	NO	48.38	1.000	1.32e4	1.26e6	0.931	-6.9	1.05	MM
200601K1_3	2.50	1.20	NO	48.38	1.000	3.67e4	1.35e6	2.42	-3.4	1.09	bb
200601K1_4	50.0	1.25	NO	48.38	1.000	7.58e5	1.31e6	51.2	2.5	1.15	bd
200601K1_5	400	1.22	NO	48.38	1.000	6.73e6	1.37e6	435	8.9	1.23	bd
200601K1_6	1000	1.23	NO	48.38	1.000	1.76e7	1.47e6	1070	6.6	1.20	bd

Compound name: PCB-157  
 Response Factor: 1.03828  
 RRF SD: 0.0627401, Relative SD: 6.04267  
 Response type: Internal Std ( Ref 202 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.31	NO	48.65	1.000	2.89e3	1.19e6	0.234	-6.2	0.974	MM
200601K1_2	1.00	1.16	NO	48.67	1.001	1.21e4	1.24e6	0.943	-5.7	0.980	dd
200601K1_3	2.50	1.20	NO	48.67	1.000	3.40e4	1.36e6	2.41	-3.7	1.00	bd
200601K1_4	50.0	1.23	NO	48.67	1.000	6.97e5	1.31e6	51.1	2.2	1.06	dd
200601K1_5	400	1.23	NO	48.67	1.000	6.16e6	1.37e6	432	8.0	1.12	dd
200601K1_6	1000	1.23	NO	48.67	1.000	1.82e7	1.48e6	1050	5.4	1.09	dd

Compound name: PCB-169  
 Response Factor: 1.15806  
 RRF SD: 0.0659172, Relative SD: 5.69202  
 Response type: Internal Std ( Ref 203 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.16	NO	50.92	1.000	3.08e3	1.12e6	0.238	-5.0	1.10	bb
200601K1_2	1.00	1.28	NO	50.92	1.000	1.29e4	1.19e6	0.940	-6.0	1.09	MM

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-169

Name	Std Conc	RA	Qty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_3	2.50	1.27	NO	50.92	1.000	3.70e4	1.33e6	2.40	-4.1	1.11	bb
200601K1_4	50.0	1.23	NO	50.92	1.000	7.28e5	1.22e6	51.5	2.9	1.19	bb
200601K1_5	400	1.23	NO	50.92	1.000	6.46e6	1.30e6	429	7.2	1.24	bb
200601K1_6	1000	1.24	NO	50.94	1.000	1.73e7	1.42e6	1050	5.0	1.22	bb

Compound name: PCB-188

Response Factor: 1.28967

RRF SD: 0.0641497, Relative SD: 4.97412

Response type: Internal Std ( Ref 204 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	Qty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	0.91	NO	43.01	1.000	2.94e3	9.28e5	0.248	-1.7	1.27	MM
200601K1_2	1.00	1.01	NO	43.01	1.000	1.20e4	1.02e6	0.918	-8.4	1.16	MM
200601K1_3	2.50	0.97	NO	43.02	1.001	3.28e4	1.03e6	2.48	-1.6	1.27	bb
200601K1_4	50.0	1.05	NO	43.02	1.000	6.73e5	1.01e6	51.5	3.0	1.33	bb
200601K1_5	400	1.05	NO	43.02	1.000	6.15e6	1.13e6	420	5.1	1.35	bb
200601K1_6	1000	1.03	NO	43.02	1.000	1.58e7	1.18e6	1040	3.7	1.34	bb

Compound name: PCB-184

Response Factor: 1.23185

RRF SD: 0.0863042, Relative SD: 7.00722

Response type: Internal Std ( Ref 204 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	Qty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.16	NO	43.48	1.011	2.47e3	9.28e5	0.216	-13.6	1.06	MM
200601K1_2	1.00	0.98	NO	43.48	1.011	1.28e4	1.02e6	1.01	0.8	1.24	bb
200601K1_3	2.50	1.09	NO	43.48	1.012	3.18e4	1.03e6	2.50	-0.1	1.23	bb
200601K1_4	50.0	1.04	NO	43.48	1.011	6.50e5	1.01e6	52.1	4.1	1.28	bb
200601K1_5	400	1.05	NO	43.48	1.011	5.91e6	1.13e6	423	5.7	1.30	bb
200601K1_6	1000	1.03	NO	43.48	1.011	1.50e7	1.18e6	1030	3.1	1.27	bb

Dataset: U:\VG11.PRO\Results\200801K1\200801K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-179  
 Response Factor: 1.29806  
 RRF SD: 0.052795, Relative SD: 4.06721  
 Response type: Internal Std ( Ref 204 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200801K1_1	0.250	1.00	NO	44.27	1.030	2.80e3	9.28e5	0.232	-7.0	1.21	MM
200801K1_2	1.00	1.00	NO	44.29	1.030	1.29e4	1.02e6	0.979	-2.1	1.27	MM
200801K1_3	2.50	1.10	NO	44.29	1.030	3.39e4	1.03e6	2.52	1.0	1.31	bb
200801K1_4	50.0	1.04	NO	44.29	1.030	6.78e5	1.01e6	51.4	2.8	1.33	bb
200801K1_5	400	1.04	NO	44.29	1.030	6.16e6	1.13e6	418	4.5	1.36	bb
200801K1_6	1000	1.04	NO	44.29	1.030	1.55e7	1.18e6	1010	0.9	1.31	bb

Compound name: PCB-176  
 Response Factor: 1.30863  
 RRF SD: 0.0665306, Relative SD: 5.08397  
 Response type: Internal Std ( Ref 204 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200801K1_1	0.250	1.13	NO	44.75	1.041	2.78e3	9.28e5	0.229	-8.5	1.20	MM
200801K1_2	1.00	1.07	NO	44.77	1.041	1.34e4	1.02e6	1.01	0.7	1.32	bb
200801K1_3	2.50	1.07	NO	44.77	1.041	3.31e4	1.03e6	2.44	-2.3	1.28	MM
200801K1_4	50.0	1.05	NO	44.77	1.041	6.80e5	1.01e6	51.3	2.8	1.34	bb
200801K1_5	400	1.04	NO	44.77	1.041	6.33e6	1.13e6	428	6.5	1.39	bb
200801K1_6	1000	1.03	NO	44.77	1.041	1.57e7	1.18e6	1010	1.1	1.32	bb

Compound name: PCB-186  
 Response Factor: 1.32902  
 RRF SD: 0.119081, Relative SD: 8.96013  
 Response type: Internal Std ( Ref 204 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200801K1_1	0.250	1.08	NO	45.37	1.056	2.56e3	9.28e5	0.207	-17.1	1.10	MM
200801K1_2	1.00	0.95	NO	45.39	1.056	1.36e4	1.02e6	1.01	0.8	1.34	MM

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-186

Name	Std Conc	RA	riy	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_3	2.50	1.07	NO	45.39	1.056	3.39e4	1.03e6	2.47	-1.3	1.31	bb
200601K1_4	50.0	1.02	NO	45.39	1.056	7.15e5	1.01e6	53.1	6.1	1.41	bb
200601K1_5	400	1.03	NO	45.39	1.056	6.42e6	1.13e6	426	6.5	1.42	bb
200601K1_6	1000	1.04	NO	45.39	1.056	1.85e7	1.18e6	1050	5.0	1.40	bb

Compound name: PCB-178

Response Factor: 0.943241  
 RRF SD: 0.0555819, Relative SD: 5.89285  
 Response type: Internal Std ( Ref 204 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std Conc	RA	riy	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.09	NO	45.88	1.067	1.99e3	9.28e5	0.227	-9.2	0.857	MM
200601K1_2	1.00	1.03	NO	45.90	1.088	9.96e3	1.02e6	1.04	3.9	0.980	bb
200601K1_3	2.50	1.02	NO	45.90	1.088	2.31e4	1.03e6	2.37	-5.2	0.894	bb
200601K1_4	50.0	1.03	NO	45.90	1.067	5.05e5	1.01e6	52.9	5.8	0.996	bb
200601K1_5	400	1.04	NO	45.90	1.067	4.43e6	1.13e6	414	3.4	0.975	bb
200601K1_6	1000	1.04	NO	45.90	1.067	1.13e7	1.18e6	1010	1.4	0.956	bb

Compound name: PCB-175

Response Factor: 0.956238  
 RRF SD: 0.0418022, Relative SD: 4.37152  
 Response type: Internal Std ( Ref 204 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std Conc	RA	riy	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.01	NO	46.24	1.076	2.15e3	9.26e5	0.242	-3.0	0.927	bd
200601K1_2	1.00	1.01	NO	46.24	1.076	9.07e3	1.02e6	0.934	-6.6	0.893	MM
200601K1_3	2.50	1.00	NO	46.26	1.076	2.45e4	1.03e6	2.47	-1.1	0.946	bd
200601K1_4	50.0	1.04	NO	46.26	1.076	5.06e5	1.01e6	52.2	4.5	0.999	bd
200601K1_5	400	1.04	NO	46.26	1.076	4.52e6	1.13e6	417	4.1	0.996	bd
200601K1_6	1000	1.04	NO	46.26	1.076	1.18e7	1.18e6	1020	2.1	0.977	bd

Dataset: U:\VG11.PRO\Results\200801K1\200801K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-182/187

Response Factor: 1.06615

RRF SD: 0.0507133, Relative SD: 4.75669

Response type: Internal Std ( Ref 204 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRF	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	0.500	1.16	NO	46.43	1.080	4.78e3	9.28e5	0.483	-3.3	1.03	MM
200801K1_2	2.00	1.06	NO	46.43	1.080	2.07e4	1.02e6	1.91	-4.4	1.02	db
200801K1_3	5.00	1.00	NO	46.43	1.080	5.24e4	1.03e6	4.74	-5.1	1.01	MM
200801K1_4	100	1.04	NO	46.43	1.080	1.13e6	1.01e6	104	4.2	1.11	db
200801K1_5	800	1.05	NO	46.43	1.080	1.02e7	1.13e6	840	5.0	1.12	db
200801K1_6	2000	1.04	NO	46.43	1.080	2.62e7	1.18e6	2070	3.7	1.11	db

Compound name: PCB-183

Response Factor: 1.02281

RRF SD: 0.0863349, Relative SD: 8.44093

Response type: Internal Std ( Ref 204 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRF	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	0.250	1.07	NO	46.76	1.066	2.03e3	9.28e5	0.214	-14.4	0.875	MM
200801K1_2	1.00	1.12	NO	46.76	1.066	9.96e3	1.02e6	0.958	-4.2	0.980	bb
200801K1_3	2.50	1.02	NO	46.76	1.066	2.62e4	1.03e6	2.47	-1.0	1.01	bb
200801K1_4	50.0	1.03	NO	46.76	1.067	5.52e5	1.01e6	53.3	6.5	1.09	bb
200801K1_5	400	1.04	NO	46.76	1.067	4.98e6	1.13e6	429	7.3	1.10	bb
200801K1_6	1000	1.04	NO	46.76	1.067	1.28e7	1.18e6	1060	5.8	1.08	bb

Compound name: PCB-185

Response Factor: 1.40567

RRF SD: 0.0901625, Relative SD: 6.41419

Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRF	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	0.250	1.06	NO	47.44	0.955	1.96e3	6.16e5	0.227	-9.4	1.27	bb
200801K1_2	1.00	1.04	NO	47.44	0.955	9.08e3	6.54e5	0.986	-1.4	1.39	bb



Dataset: U:\VG11.PRO\Results\200801K1\200801K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-185

Name	Std. Conc.	RA	rv	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_3	2.50	1.05	NO	47.44	0.955	2.33e4	7.01e5	2.37	-5.3	1.33	bb
200801K1_4	50.0	1.02	NO	47.44	0.955	4.98e5	6.87e5	53.2	6.4	1.50	bb
200801K1_5	400	1.04	NO	47.44	0.955	4.39e6	7.40e5	422	5.5	1.48	bb
200801K1_6	1000	1.04	NO	47.44	0.955	1.14e7	7.81e5	1040	4.1	1.48	bb

Compound name: PCB-174

Response Factor: 1.35369

RRF SD: 0.0944983, Relative SD: 6.9808

Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	rv	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	0.250	1.10	NO	47.80	0.962	1.90e3	6.16e5	0.228	-6.7	1.24	MM
200801K1_2	1.00	1.15	NO	47.82	0.962	8.12e3	6.54e5	0.918	-6.2	1.24	bd
200801K1_3	2.50	1.06	NO	47.82	0.962	2.37e4	7.01e5	2.50	0.2	1.36	bd
200801K1_4	50.0	1.04	NO	47.82	0.962	4.78e5	6.87e5	53.0	5.9	1.43	bd
200801K1_5	400	1.03	NO	47.82	0.962	4.29e6	7.40e5	428	7.1	1.45	bd
200801K1_6	1000	1.02	NO	47.82	0.962	1.10e7	7.81e5	1040	3.8	1.40	bd

Compound name: PCB-181

Response Factor: 1.47446

RRF SD: 0.117329, Relative SD: 7.9574

Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	rv	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	0.250	1.20	NO	47.91	0.964	2.03e3	6.16e5	0.224	-10.4	1.32	MM
200801K1_2	1.00	1.15	NO	47.91	0.964	1.02e4	6.54e5	1.06	6.2	1.57	dd
200801K1_3	2.50	1.07	NO	47.91	0.964	2.32e4	7.01e5	2.25	-10.0	1.33	dd
200801K1_4	50.0	1.03	NO	47.93	0.965	5.11e5	6.87e5	52.0	4.1	1.53	dd
200801K1_5	400	1.04	NO	47.93	0.965	4.60e6	7.40e5	422	5.5	1.56	dd
200801K1_6	1000	1.04	NO	47.93	0.965	1.21e7	7.81e5	1050	4.8	1.54	dd

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-177  
 Response Factor: 1.27779  
 RRF SD: 0.0954777, Relative SD: 7.4721  
 Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std Conc	RA	Qty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.00	NO	48.10	0.968	1.77e3	6.16e5	0.225	-10.2	1.15	MM
200601K1_2	1.00	1.02	NO	48.10	0.968	7.89e3	6.54e5	0.945	-5.5	1.21	dd
200601K1_3	2.50	1.13	NO	48.10	0.968	2.15e4	7.01e5	2.40	-3.9	1.23	MM
200601K1_4	50.0	1.04	NO	48.10	0.968	4.52e5	6.67e5	53.0	6.1	1.36	db
200601K1_5	400	1.04	NO	48.10	0.968	4.08e6	7.40e5	432	7.9	1.36	db
200601K1_6	1000	1.03	NO	48.10	0.968	1.05e7	7.81e5	1060	5.8	1.35	db

Compound name: PCB-171  
 Response Factor: 1.31619  
 RRF SD: 0.111307, Relative SD: 8.45674  
 Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std Conc	RA	Qty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.15	NO	48.38	0.974	1.77e3	6.16e5	0.218	-12.6	1.15	MM
200601K1_2	1.00	0.99	NO	48.38	0.974	8.25e3	6.54e5	0.959	-4.1	1.26	MM
200601K1_3	2.50	0.98	NO	48.38	0.974	2.19e4	7.01e5	2.38	-4.9	1.25	MM
200601K1_4	50.0	1.03	NO	48.40	0.974	4.88e5	6.67e5	53.3	6.8	1.40	bd
200601K1_5	400	1.02	NO	48.40	0.974	4.19e6	7.40e5	431	7.8	1.42	bd
200601K1_6	1000	1.04	NO	48.40	0.974	1.10e7	7.81e5	1070	7.4	1.41	bd

Compound name: PCB-173  
 Response Factor: 1.18982  
 RRF SD: 0.0600259, Relative SD: 5.04452  
 Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std Conc	RA	Qty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	0.93	NO	48.84	0.983	1.75e3	6.16e5	0.238	-4.7	1.13	MM
200601K1_2	1.00	1.12	NO	48.84	0.983	7.51e3	6.54e5	0.968	-3.4	1.15	MM

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-173

Name	Std. Conc.	RA	rfy	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_3	2.50	1.03	NO	48.84	0.983	1.97e4	7.01e5	2.36	-5.5	1.12	MM
200601K1_4	50.0	1.06	NO	48.84	0.983	4.15e5	6.67e5	52.4	4.7	1.25	dd
200601K1_5	400	1.03	NO	48.84	0.983	3.70e6	7.40e5	420	5.0	1.25	dd
200601K1_6	1000	1.03	NO	48.84	0.983	9.66e6	7.81e5	1040	3.9	1.24	bb

Compound name: PCB-172

Response Factor: 1.37524

RRF SD: 0.11268, Relative SD: 8.20798

Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	rfy	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.00	NO	49.29	0.992	1.87e3	6.16e5	0.221	-11.5	1.22	dd
200601K1_2	1.00	0.96	NO	49.29	0.992	8.89e3	6.54e5	0.967	-3.3	1.33	dd
200601K1_3	2.50	1.04	NO	49.29	0.992	2.25e4	7.01e5	2.34	-6.4	1.29	dd
200601K1_4	50.0	1.05	NO	49.29	0.992	4.86e5	6.67e5	53.0	5.9	1.46	dd
200601K1_5	400	1.03	NO	49.29	0.992	4.39e6	7.40e5	432	7.9	1.46	dd
200601K1_6	1000	1.04	NO	49.29	0.992	1.15e7	7.81e5	1070	7.4	1.46	dd

Compound name: PCB-192

Response Factor: 1.82672

RRF SD: 0.139002, Relative SD: 7.60937

Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	rfy	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	0.89	NO	49.48	0.996	3.10e3	8.16e5	0.278	10.3	2.02	MM
200601K1_2	1.00	1.10	NO	49.48	0.996	1.06e4	6.54e5	0.885	-11.5	1.62	dd
200601K1_3	2.50	1.05	NO	49.50	0.996	3.02e4	7.01e5	2.36	-5.7	1.72	dd
200601K1_4	50.0	1.03	NO	49.50	0.996	6.16e5	6.67e5	50.8	1.2	1.65	dd
200601K1_5	400	1.03	NO	49.50	0.996	5.80e6	7.40e5	414	3.6	1.89	dd
200601K1_6	1000	1.03	NO	49.50	0.996	1.46e7	7.81e5	1020	2.1	1.87	dd

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-180  
 Response Factor: 1.41175  
 RRF SD: 0.126648, Relative SD: 8.97102  
 Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRF	Resp.	IS Resp.	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.08	NO	49.71	1.000	1.80e3	6.16e5	0.207	-17.2	1.17	dd
200601K1_2	1.00	1.20	NO	49.71	1.000	9.48e3	6.54e5	1.03	2.7	1.45	dd
200601K1_3	2.50	1.02	NO	49.71	1.000	2.42e4	7.01e5	2.45	-2.0	1.38	dd
200601K1_4	50.0	1.03	NO	49.71	1.000	4.91e5	6.67e5	52.2	4.4	1.47	dd
200601K1_5	400	1.04	NO	49.71	1.000	4.47e6	7.40e5	428	7.0	1.51	dd
200601K1_6	1000	1.03	NO	49.71	1.000	1.16e7	7.81e5	1050	5.0	1.48	dd

Compound name: PCB-183  
 Response Factor: 1.67682  
 RRF SD: 0.0708905, Relative SD: 4.22768  
 Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRF	Resp.	IS Resp.	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.18	NO	49.92	1.005	2.64e3	6.16e5	0.256	2.4	1.72	MM
200601K1_2	1.00	1.01	NO	49.92	1.005	1.06e4	6.54e5	0.963	-3.7	1.81	db
200601K1_3	2.50	0.99	NO	49.92	1.005	2.74e4	7.01e5	2.33	-6.8	1.56	MM
200601K1_4	50.0	1.03	NO	49.92	1.005	5.70e5	6.67e5	51.0	2.0	1.71	db
200601K1_5	400	1.04	NO	49.92	1.005	5.14e6	7.40e5	415	3.7	1.74	dd
200601K1_6	1000	1.03	NO	49.92	1.005	1.34e7	7.81e5	1030	2.5	1.72	db

Compound name: PCB-181  
 Response Factor: 1.71019  
 RRF SD: 0.0665243, Relative SD: 3.88988  
 Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRF	Resp.	IS Resp.	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.04	NO	50.19	1.010	2.61e3	6.16e5	0.248	-1.0	1.69	MM
200601K1_2	1.00	1.08	NO	50.19	1.010	1.06e4	6.54e5	0.963	-3.7	1.85	MM

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

**Compound name: PCB-191**

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_3	2.50	0.92	NO	50.19	1.010	2.85e4	7.01e5	2.38	-5.0	1.62	MM
200601K1_4	50.0	1.00	NO	50.19	1.010	5.78e5	6.67e5	50.8	1.5	1.74	bb
200601K1_5	400	1.04	NO	50.19	1.010	5.29e6	7.40e5	418	4.6	1.79	dd
200601K1_6	1000	1.05	NO	50.19	1.010	1.36e7	7.81e5	1040	3.6	1.77	bd

**Compound name: PCB-170**

Response Factor: 1.40071

RRF SD: 0.105718, Relative SD: 7.54749

Response type: Internal Std ( Ref 206 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.10	NO	51.36	1.000	1.64e3	5.21e5	0.224	-10.3	1.26	MM
200601K1_2	1.00	0.97	NO	51.36	1.000	7.54e3	5.75e5	0.935	-6.5	1.31	MM
200601K1_3	2.50	1.08	NO	51.36	1.000	2.11e4	6.11e5	2.46	-1.4	1.38	MM
200601K1_4	50.0	1.04	NO	51.36	1.000	4.14e5	5.78e5	51.0	2.1	1.43	bd
200601K1_5	400	1.03	NO	51.36	1.000	3.73e6	6.11e5	438	9.0	1.53	bd
200601K1_6	1000	1.02	NO	51.36	1.000	9.85e6	6.57e5	1070	7.1	1.50	bd

**Compound name: PCB-190**

Response Factor: 1.85102

RRF SD: 0.142118, Relative SD: 7.67782

Response type: Internal Std ( Ref 206 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.07	NO	51.59	1.004	2.26e3	5.21e5	0.234	-6.3	1.73	MM
200601K1_2	1.00	1.09	NO	51.59	1.004	9.81e3	5.75e5	0.921	-7.9	1.71	MM
200601K1_3	2.50	1.11	NO	51.59	1.004	2.68e4	6.11e5	2.37	-5.3	1.75	MM
200601K1_4	50.0	1.00	NO	51.59	1.004	5.43e5	5.78e5	50.7	1.4	1.88	db
200601K1_5	400	1.04	NO	51.59	1.004	4.96e6	6.11e5	439	9.7	2.03	db
200601K1_6	1000	1.05	NO	51.59	1.004	1.32e7	6.57e5	1060	8.4	2.01	db

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-189  
 Response Factor: 1.4524  
 RRF SD: 0.0988417, Relative SD: 6.80541  
 Response type: Internal Std ( Ref 207 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Int.	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200601K1_1	0.250	1.18	NO	53.08	1.000	2.37e3	6.87e5	0.238	-5.0	1.38	MM
200601K1_2	1.00	1.00	NO	53.10	1.000	1.00e4	7.42e5	0.932	-6.8	1.35	MM
200601K1_3	2.50	1.09	NO	53.10	1.000	2.75e4	8.11e5	2.34	-6.5	1.36	MM
200601K1_4	50.0	1.03	NO	53.10	1.000	5.78e5	7.81e5	52.1	4.2	1.51	bb
200601K1_5	400	1.02	NO	53.10	1.000	5.04e6	8.07e5	430	7.5	1.56	bb
200601K1_6	1000	1.02	NO	53.10	1.000	1.34e7	8.85e5	1070	8.8	1.55	bb

Compound name: PCB-202  
 Response Factor: 1.16825  
 RRF SD: 0.08292, Relative SD: 7.09778  
 Response type: Internal Std ( Ref 208 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Int.	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200601K1_1	0.250	0.93	NO	48.59	1.000	1.92e3	6.72e5	0.245	-2.2	1.14	MM
200601K1_2	1.00	1.02	NO	48.61	1.000	7.83e3	7.55e5	0.888	-11.2	1.04	MM
200601K1_3	2.50	0.94	NO	48.61	1.000	2.18e4	7.88e5	2.43	-2.8	1.14	bb
200601K1_4	50.0	0.89	NO	48.61	1.000	4.58e5	7.74e5	50.8	1.3	1.18	bb
200601K1_5	400	0.91	NO	48.61	1.000	4.13e6	8.21e5	431	7.7	1.26	bb
200601K1_6	1000	0.91	NO	48.61	1.000	1.08e7	8.48e5	1070	7.2	1.25	bb

Compound name: PCB-201  
 Response Factor: 1.05277  
 RRF SD: 0.0608949, Relative SD: 5.78427  
 Response type: Internal Std ( Ref 208 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Int.	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200601K1_1	0.250	0.79	NO	49.10	1.011	1.71e3	6.72e5	0.241	-3.6	1.01	bd
200601K1_2	1.00	0.90	NO	49.10	1.010	7.27e3	7.55e5	0.915	-8.5	0.983	bd

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-201

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X#	dropped
200601K1_3	2.50	0.94	NO	49.10	1.010	1.98e4	7.88e5	2.47	-1.2	1.04		bd
200601K1_4	50.0	0.91	NO	49.10	1.010	4.10e5	7.74e5	50.3	0.7	1.06		bd
200601K1_5	400	0.92	NO	49.10	1.010	3.88e6	8.21e5	424	6.0	1.12		bd
200601K1_6	1000	0.91	NO	49.10	1.010	9.50e6	8.48e5	1070	6.6	1.12		bd

Compound name: PCB-204

Response Factor: 1.1409

RRF SD: 0.0887975, Relative SD: 7.78308

Response type: Internal Std ( Ref 208 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X#	dropped
200601K1_1	0.250	0.77	NO	49.24	1.014	1.83e3	6.72e5	0.238	-4.6	1.09		MM
200601K1_2	1.00	0.89	NO	49.28	1.014	8.01e3	7.55e5	0.930	-7.0	1.06		db
200601K1_3	2.50	0.82	NO	49.26	1.014	2.04e4	7.88e5	2.34	-6.5	1.07		db
200601K1_4	50.0	0.90	NO	49.26	1.014	4.36e5	7.74e5	49.4	-1.2	1.13		db
200601K1_5	400	0.91	NO	49.28	1.014	4.07e6	8.21e5	435	8.7	1.24		db
200601K1_6	1000	0.91	NO	49.26	1.014	1.07e7	8.48e5	1110	10.6	1.26		db

Compound name: PCB-197

Response Factor: 1.13263

RRF SD: 0.0852075, Relative SD: 7.52295

Response type: Internal Std ( Ref 208 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X#	dropped
200601K1_1	0.250	0.99	NO	49.58	1.021	1.89e3	6.72e5	0.248	-0.9	1.12		MM
200601K1_2	1.00	1.01	NO	49.58	1.020	7.47e3	7.55e5	0.874	-12.6	0.989		bb
200601K1_3	2.50	0.99	NO	49.58	1.020	2.16e4	7.88e5	2.49	-0.4	1.13		MM
200601K1_4	50.0	0.90	NO	49.58	1.020	4.31e5	7.74e5	49.2	-1.6	1.11		bb
200601K1_5	400	0.91	NO	49.58	1.020	4.00e6	8.21e5	431	7.7	1.22		bb
200601K1_6	1000	0.89	NO	49.58	1.020	1.03e7	8.48e5	1080	7.8	1.22		bb

Dataset: U:\VG11.PRO\Results\200801K1\200801K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-200  
 Response Factor: 1.07032  
 RRF SD: 0.0809843, Relative SD: 7.56448  
 Response type: Internal Std ( Ref 208 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200801K1_1	0.250	1.00	NO	50.51	1.040	1.84e3	6.72e5	0.256	2.3	1.09	bb
2	200801K1_2	1.00	0.95	NO	50.51	1.039	7.00e3	7.55e5	0.866	-13.4	0.927	bb
3	200801K1_3	2.50	0.87	NO	50.51	1.039	2.02e4	7.66e5	2.46	-1.7	1.05	bb
4	200801K1_4	50.0	0.90	NO	50.53	1.040	4.10e5	7.74e5	49.5	-1.1	1.06	bb
5	200801K1_5	400	0.90	NO	50.53	1.040	3.78e6	8.21e5	430	7.5	1.15	bb
6	200801K1_6	1000	0.89	NO	50.53	1.040	9.83e6	8.48e5	1060	6.4	1.14	bb

Compound name: PCB-198  
 Response Factor: 0.793834  
 RRF SD: 0.0466547, Relative SD: 5.87713  
 Response type: Internal Std ( Ref 208 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200801K1_1	0.250	0.81	NO	52.08	1.072	1.22e3	6.72e5	0.229	-8.4	0.727	MM
2	200801K1_2	1.00	0.84	NO	52.08	1.072	5.92e3	7.55e5	0.988	-1.2	0.784	bd
3	200801K1_3	2.50	0.85	NO	52.08	1.072	1.51e4	7.66e5	2.48	-0.9	0.787	bd
4	200801K1_4	50.0	0.91	NO	52.08	1.072	2.98e5	7.74e5	48.8	-2.9	0.771	bd
5	200801K1_5	400	0.89	NO	52.08	1.072	2.76e6	8.21e5	424	6.0	0.841	bd
6	200801K1_6	1000	0.89	NO	52.08	1.072	7.22e6	8.48e5	1070	7.5	0.853	bd

Compound name: PCB-199  
 Response Factor: 0.809242  
 RRF SD: 0.0640263, Relative SD: 7.91189  
 Response type: Internal Std ( Ref 208 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200801K1_1	0.250	0.83	NO	52.21	1.075	1.18e3	6.72e5	0.216	-13.6	0.699	MM
2	200801K1_2	1.00	0.93	NO	52.19	1.074	6.27e3	7.55e5	1.03	2.7	0.831	db



Dataset: U:\VG11.PROVResults\200801K1\200801K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-199

Name	Std. Conc.	RA	RF	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_3	2.50	1.00	NO	52.21	1.074	1.51e4	7.86e5	2.43	-2.8	0.786	MM
200801K1_4	50.0	0.92	NO	52.21	1.074	3.10e5	7.74e5	49.5	-1.0	0.801	db
200801K1_5	400	0.89	NO	52.21	1.074	2.81e6	8.21e5	424	5.9	0.857	db
200801K1_6	1000	0.90	NO	52.21	1.074	7.45e6	8.46e5	1090	8.8	0.881	db

Compound name: PCB-198/203

Response Factor: 0.838202

RRF SD: 0.0715006, Relative SD: 8.53023

Response type: Internal Std ( Ref 208 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	RF	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	0.500	1.00	NO	52.50	1.081	2.91e3	6.72e5	0.518	3.1	0.884	bb
200801K1_2	2.00	0.93	NO	52.50	1.080	1.09e4	7.55e5	1.73	-13.8	0.724	bd
200801K1_3	5.00	0.94	NO	52.50	1.080	3.07e4	7.86e5	4.79	-4.3	0.802	MM
200801K1_4	100	0.90	NO	52.51	1.081	6.36e5	7.74e5	98.1	-1.9	0.822	bb
200801K1_5	800	0.91	NO	52.51	1.081	5.85e6	8.21e5	850	6.2	0.891	bb
200801K1_6	2000	0.91	NO	52.51	1.081	1.57e7	8.46e5	2210	10.4	0.926	bb

Compound name: PCB-195

Response Factor: 1.04444

RRF SD: 0.0883119, Relative SD: 8.45545

Response type: Internal Std ( Ref 209 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	RF	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	0.250	0.81	NO	53.79	0.983	1.54e3	6.54e5	0.225	-9.8	0.942	MM
200801K1_2	1.00	0.81	NO	53.79	0.983	6.86e3	6.72e5	0.948	-5.2	0.990	bb
200801K1_3	2.50	0.88	NO	53.79	0.983	1.83e4	7.55e5	2.32	-7.2	0.970	bb
200801K1_4	50.0	0.88	NO	53.81	0.984	3.74e5	6.85e5	52.4	4.7	1.09	bd
200801K1_5	400	0.89	NO	53.79	0.983	3.33e6	7.19e5	443	10.8	1.16	bd
200801K1_6	1000	0.90	NO	53.81	0.984	8.99e6	8.07e5	1070	6.6	1.11	bd

Dataset: U:\VG11.PRO\Results\200801K1\200801K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-194  
 Response Factor: 1.11592  
 RRF SD: 0.0652125, Relative SD: 5.84384  
 Response type: Internal Std ( Ref 209 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	in/	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200801K1_1	0.250	0.76	NO	54.72	1.000	1.92e3	6.54e5	0.262	4.9	1.17	MM
200801K1_2	1.00	0.91	NO	54.72	1.000	7.03e3	6.72e5	0.937	-6.3	1.05	bb
200801K1_3	2.50	0.91	NO	54.72	1.000	1.84e4	7.55e5	2.30	-6.1	1.03	bb
200801K1_4	50.0	0.88	NO	54.72	1.000	3.84e5	6.85e5	50.2	0.5	1.12	bb
200801K1_5	400	0.88	NO	54.72	1.000	3.39e6	7.19e5	422	5.5	1.18	bb
200801K1_6	1000	0.89	NO	54.72	1.000	9.32e6	8.07e5	1040	3.5	1.16	bb

Compound name: PCB-205  
 Response Factor: 1.28935  
 RRF SD: 0.0752087, Relative SD: 5.83305  
 Response type: Internal Std ( Ref 209 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	in/	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200801K1_1	0.250	1.01	NO	54.99	1.005	1.97e3	6.54e5	0.233	-6.7	1.20	MM
200801K1_2	1.00	0.88	NO	54.99	1.005	8.47e3	8.72e5	0.977	-2.3	1.26	bb
200801K1_3	2.50	0.92	NO	54.99	1.005	2.29e4	7.55e5	2.35	-5.8	1.21	bb
200801K1_4	50.0	0.89	NO	54.99	1.005	4.55e5	6.85e5	51.5	3.1	1.33	bb
200801K1_5	400	0.87	NO	54.99	1.005	4.00e6	7.19e5	431	7.9	1.39	bb
200801K1_6	1000	0.88	NO	54.99	1.005	1.08e7	8.07e5	1040	3.9	1.34	bb

Compound name: PCB-208  
 Response Factor: 0.933088  
 RRF SD: 0.0782208, Relative SD: 8.383  
 Response type: Internal Std ( Ref 210 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	in/	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200801K1_1	0.250	1.28	NO	53.95	1.000	1.83e3	8.27e5	0.237	-5.3	0.884	bb
200801K1_2	1.00	1.34	NO	53.95	1.000	7.27e3	8.89e5	0.876	-12.4	0.818	bb

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-208

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_3	2.50	1.29	NO	53.95	1.000	2.17e4	9.56e5	2.43	-2.9	0.908	bb
200601K1_4	50.0	1.35	NO	53.95	1.000	4.38e5	9.09e5	51.6	3.3	0.964	bb
200601K1_5	400	1.35	NO	53.95	1.000	3.85e6	9.40e5	439	9.7	1.02	bb
200601K1_6	1000	1.34	NO	53.95	1.000	1.02e7	1.01e6	1080	7.8	1.00	bb

Compound name: PCB-207

Response Factor: 0.916302

RRF SD: 0.0559032, Relative SD: 6.10095

Response type: Internal Std ( Ref 210 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.18	NO	54.29	1.007	1.83e3	6.27e5	0.242	-3.3	0.886	bb
200601K1_2	1.00	1.36	NO	54.29	1.007	7.48e3	8.89e5	0.915	-8.5	0.839	bb
200601K1_3	2.50	1.29	NO	54.29	1.007	2.13e4	9.56e5	2.44	-2.5	0.893	bb
200601K1_4	50.0	1.35	NO	54.29	1.007	4.18e5	9.09e5	50.2	0.4	0.920	bb
200601K1_5	400	1.32	NO	54.29	1.007	3.69e6	9.40e5	428	7.0	0.981	bb
200601K1_6	1000	1.32	NO	54.29	1.007	9.93e6	1.01e6	1070	6.9	0.979	bb

Compound name: PCB-206

Response Factor: 1.00741

RRF SD: 0.0633496, Relative SD: 6.28838

Response type: Internal Std ( Ref 211 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.24	NO	56.24	1.000	1.17e3	4.83e5	0.240	-4.2	0.965	bb
200601K1_2	1.00	1.28	NO	56.25	1.000	4.56e3	4.90e5	0.928	-7.2	0.935	bd
200601K1_3	2.50	1.39	NO	56.25	1.000	1.33e4	5.49e5	2.40	-4.0	0.987	bb
200601K1_4	50.0	1.35	NO	56.25	1.000	2.55e5	5.03e5	50.4	0.7	1.01	dd
200601K1_5	400	1.33	NO	56.25	1.000	2.21e6	5.04e5	435	8.8	1.10	dd
200601K1_6	1000	1.34	NO	56.25	1.000	5.91e6	5.54e5	1080	5.9	1.07	bd

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-209  
 Response Factor: 0.986438  
 RRF SD: 0.0459049, Relative SD: 4.6536  
 Response type: Internal Std ( Ref 212 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X=dropped
1	200601K1_1	0.250	1.31	NO	57.48	1.000	8.49e2	3.85e5	0.236	-5.8	0.930	bb
2	200601K1_2	1.00	1.14	NO	57.49	1.000	3.51e3	3.87e5	0.970	-3.0	0.957	bb
3	200601K1_3	2.50	1.20	NO	57.49	1.000	9.28e3	3.88e5	2.42	-3.1	0.956	bb
4	200601K1_4	50.0	1.19	NO	57.49	1.000	1.78e5	3.55e5	50.8	1.8	1.00	bb
5	200601K1_5	400	1.18	NO	57.49	1.000	1.45e6	3.47e5	424	6.0	1.05	bb
6	200601K1_6	1000	1.18	NO	57.49	1.000	3.98e6	3.87e5	1040	4.2	1.03	bb

Compound name: 13C-PCB-1  
 Response Factor: 0.893492  
 RRF SD: 0.0183374, Relative SD: 2.05233  
 Response type: Internal Std ( Ref 213 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X=dropped
1	200601K1_1	100	3.27	NO	15.51	0.608	2.37e6	2.62e6	101	1.1	0.903	bb
2	200601K1_2	100	3.24	NO	15.52	0.608	2.53e6	2.80e6	101	1.1	0.903	bb
3	200601K1_3	100	3.25	NO	15.53	0.609	2.48e6	2.85e6	98.8	-3.4	0.863	bb
4	200601K1_4	100	3.38	NO	15.53	0.609	2.44e6	2.67e6	102	2.2	0.914	bb
5	200601K1_5	100	3.20	NO	15.53	0.609	2.52e6	2.81e6	100	0.3	0.896	bb
6	200601K1_6	100	3.24	NO	15.53	0.609	2.44e6	2.77e6	98.7	-1.3	0.882	bb

Compound name: 13C-PCB-3  
 Response Factor: 0.910947  
 RRF SD: 0.0156258, Relative SD: 1.71533  
 Response type: Internal Std ( Ref 213 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X=dropped
1	200601K1_1	100	3.25	NO	18.16	0.711	2.41e6	2.62e6	101	1.0	0.920	bb
2	200601K1_2	100	3.30	NO	18.16	0.711	2.58e6	2.80e6	101	1.3	0.923	bb

Dataset: U:\VG11.PRO\Results\200801K1\200801K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: 13C-PCB-3

Name	Std. Conc.	RA	nty	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_3	100	3.32	NO	18.17	0.712	2.54e6	2.85e6	97.7	-2.3	0.890	bb
200801K1_4	100	3.19	NO	18.17	0.712	2.46e6	2.87e6	101	1.1	0.921	bb
200801K1_5	100	3.37	NO	18.17	0.712	2.58e6	2.81e6	101	1.1	0.921	bb
200801K1_6	100	3.32	NO	18.17	0.712	2.47e6	2.77e6	97.9	-2.1	0.892	bb

Compound name: 13C-PCB-4

Response Factor: 0.599965

RRF SD: 0.0112844, Relative SD: 1.87751

Response type: Internal Std ( Ref 213 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	nty	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	100	1.59	NO	19.51	0.765	1.57e6	2.62e6	99.7	-0.3	0.598	bb
200801K1_2	100	1.81	NO	19.52	0.765	1.72e6	2.80e6	102	2.1	0.613	bb
200801K1_3	100	1.80	NO	19.52	0.765	1.87e6	2.85e6	97.5	-2.5	0.585	bb
200801K1_4	100	1.80	NO	19.53	0.765	1.82e6	2.87e6	101	0.8	0.605	bb
200801K1_5	100	1.58	NO	19.52	0.765	1.72e6	2.81e6	102	1.7	0.610	bb
200801K1_6	100	1.58	NO	19.53	0.765	1.83e6	2.77e6	98.2	-1.8	0.589	bb

Compound name: 13C-PCB-9

Response Factor: 0.989602

RRF SD: 0.0158818, Relative SD: 1.63589

Response type: Internal Std ( Ref 213 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	nty	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	100	1.57	NO	21.33	0.836	2.57e6	2.62e6	101	1.2	0.981	bb
200801K1_2	100	1.57	NO	21.34	0.836	2.77e6	2.80e6	102	2.0	0.989	bb
200801K1_3	100	1.58	NO	21.35	0.836	2.71e6	2.85e6	98.0	-2.0	0.950	bb
200801K1_4	100	1.57	NO	21.35	0.836	2.81e6	2.87e6	101	0.6	0.975	bb
200801K1_5	100	1.58	NO	21.35	0.836	2.73e6	2.81e6	100	0.2	0.972	bb
200801K1_6	100	1.55	NO	21.35	0.836	2.83e6	2.77e6	98.1	-1.9	0.951	bb

Dataset: U:\WG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: 13C-PCB-11  
 Response Factor: 0.961529  
 RRF SD: 0.00722668, Relative SD: 0.751582  
 Response type: Internal Std ( Ref 213 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	100	1.57	NO	24.76	0.971	2.53e6	2.62e6	100	0.5	0.966	bb
200601K1_2	100	1.57	NO	24.79	0.972	2.70e6	2.80e6	100	0.3	0.964	bb
200601K1_3	100	1.57	NO	24.80	0.972	2.71e6	2.85e6	98.9	-1.1	0.951	bb
200601K1_4	100	1.56	NO	24.80	0.972	2.56e6	2.87e6	99.5	-0.5	0.957	bb
200601K1_5	100	1.57	NO	24.80	0.972	2.70e6	2.81e6	99.8	-0.2	0.960	bb
200601K1_6	100	1.57	NO	24.80	0.972	2.69e6	2.77e6	101	1.0	0.971	bb

Compound name: 13C-PCB-19  
 Response Factor: 0.498883  
 RRF SD: 0.00572334, Relative SD: 1.14723  
 Response type: Internal Std ( Ref 213 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	100	1.02	NO	23.75	0.931	1.32e6	2.62e6	101	0.8	0.503	bb
200601K1_2	100	1.03	NO	23.75	0.931	1.42e6	2.80e6	101	1.3	0.505	bb
200601K1_3	100	1.04	NO	23.76	0.931	1.39e6	2.85e6	98.1	-1.9	0.489	bb
200601K1_4	100	1.02	NO	23.76	0.931	1.33e6	2.67e6	99.5	-0.5	0.496	bb
200601K1_5	100	1.00	NO	23.76	0.931	1.40e6	2.81e6	99.8	-0.2	0.496	bb
200601K1_6	100	1.01	NO	23.76	0.931	1.39e6	2.77e6	101	0.5	0.501	bb

Compound name: 13C-PCB-32  
 Response Factor: 0.74412  
 RRF SD: 0.0231643, Relative SD: 3.11298  
 Response type: Internal Std ( Ref 213 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	100	1.04	NO	26.74	1.048	1.93e6	2.62e6	99.1	-0.9	0.737	bb
200601K1_2	100	1.05	NO	26.75	1.048	2.07e6	2.80e6	99.5	-0.5	0.741	bb

Dataset: U:\WG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: 13C-PCB-32

Name	Std. Conc.	RA	Qty	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_3	100	1.02	NO	28.75	1.048	2.03e6	2.85e6	95.5	-4.5	0.710	bb
200601K1_4	100	1.03	NO	28.75	1.048	1.97e6	2.87e6	99.2	-0.8	0.739	bb
200601K1_5	100	1.04	NO	28.75	1.048	2.13e6	2.81e6	102	2.0	0.759	bb
200601K1_6	100	1.05	NO	28.75	1.048	2.18e6	2.77e6	105	4.7	0.779	bb

Compound name: 13C-PCB-28

Response Factor: 1.06428

RRF SD: 0.0550204, Relative SD: 5.16973

Response type: Internal Std ( Ref 214 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	100	1.03	NO	28.75	1.003	2.38e6	2.08e6	107	7.4	1.14	db
200601K1_2	100	1.04	NO	28.77	1.004	2.38e6	2.43e6	92.3	-7.7	0.983	db
200601K1_3	100	1.04	NO	28.77	1.004	2.33e6	2.26e6	97.0	-3.0	1.03	db
200601K1_4	100	1.04	NO	28.77	1.004	2.26e6	2.13e6	98.7	-0.3	1.06	db
200601K1_5	100	1.04	NO	28.77	1.004	2.40e6	2.24e6	100	0.4	1.07	db
200601K1_6	100	1.04	NO	28.77	1.004	2.39e6	2.18e6	103	3.2	1.10	db

Compound name: 13C-PCB-37

Response Factor: 0.989118

RRF SD: 0.0390859, Relative SD: 3.95159

Response type: Internal Std ( Ref 214 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	100	1.03	NO	32.75	1.143	2.11e6	2.08e6	102	2.5	1.01	bb
200601K1_2	100	1.02	NO	32.75	1.143	2.28e6	2.43e6	94.0	-8.0	0.930	bb
200601K1_3	100	1.05	NO	32.75	1.143	2.28e6	2.28e6	101	1.4	1.00	bb
200601K1_4	100	1.03	NO	32.75	1.143	2.09e6	2.13e6	99.2	-0.8	0.981	bb
200601K1_5	100	1.06	NO	32.75	1.143	2.17e6	2.24e6	97.8	-2.4	0.968	bb
200601K1_6	100	1.05	NO	32.77	1.143	2.27e6	2.18e6	105	5.3	1.04	bb

Dataset: U:\VG11.PRO\Results\200801K1\200801K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: 13C-PCB-54  
 Response Factor: 0.99939  
 RRF SD: 0.0146278, Relative SD: 1.46368  
 Response type: Internal Std ( Ref 215 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	rt	RT	RRF	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	100	0.77	NO	27.60	0.752	1.88e6	1.87e6	101	0.8	1.01	bb
200801K1_2	100	0.78	NO	27.62	0.753	1.85e6	1.82e6	102	1.7	1.02	bb
200801K1_3	100	0.79	NO	27.62	0.753	1.80e6	1.81e6	99.5	-0.5	0.995	bb
200801K1_4	100	0.79	NO	27.62	0.753	1.75e6	1.74e6	101	0.8	1.01	bb
200801K1_5	100	0.77	NO	27.62	0.752	1.88e6	1.89e6	99.7	-0.3	0.998	bb
200801K1_6	100	0.79	NO	27.62	0.752	1.88e6	1.92e6	97.5	-2.5	0.974	bb

Compound name: 13C-PCB-52  
 Response Factor: 0.804222  
 RRF SD: 0.0127119, Relative SD: 1.58085  
 Response type: Internal Std ( Ref 215 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	rt	RT	RRF	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	100	0.78	NO	31.25	0.852	1.37e6	1.87e6	102	1.8	0.817	bd
200801K1_2	100	0.79	NO	31.26	0.852	1.50e6	1.82e6	102	2.3	0.823	bb
200801K1_3	100	0.81	NO	31.26	0.852	1.44e6	1.81e6	99.0	-1.0	0.796	bb
200801K1_4	100	0.79	NO	31.26	0.852	1.38e6	1.74e6	98.5	-1.5	0.792	bd
200801K1_5	100	0.77	NO	31.26	0.852	1.51e6	1.89e6	99.4	-0.6	0.799	bd
200801K1_6	100	0.77	NO	31.26	0.852	1.54e6	1.92e6	99.2	-0.8	0.796	bd

Compound name: 13C-PCB-47  
 Response Factor: 0.857338  
 RRF SD: 0.011554, Relative SD: 1.34766  
 Response type: Internal Std ( Ref 215 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	rt	RT	RRF	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	100	0.79	NO	31.77	0.866	1.44e6	1.87e6	100	0.3	0.860	bb
200801K1_2	100	0.78	NO	31.77	0.866	1.59e6	1.82e6	102	2.1	0.875	bb



Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

**Compound name: 13C-PCB-47**

Name	Std Conc	RA	Int	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_3	100	0.79	NO	31.78	0.867	1.53e6	1.81e6	98.3	-1.7	0.843	bb
200601K1_4	100	0.78	NO	31.78	0.867	1.49e6	1.74e6	100	-0.0	0.857	bb
200601K1_5	100	0.78	NO	31.78	0.866	1.60e6	1.89e6	98.7	-1.3	0.846	bb
200601K1_6	100	0.78	NO	31.78	0.866	1.66e6	1.92e6	101	0.5	0.862	bb

**Compound name: 13C-PCB-70**

Response Factor: 0.995775

RRF SD: 0.0166908, Relative SD: 1.67616

Response type: Internal Std ( Ref 215 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	Int	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	100	0.79	NO	35.40	0.965	1.70e6	1.67e6	102	2.3	1.02	bb
200601K1_2	100	0.79	NO	35.41	0.965	1.84e6	1.82e6	101	1.4	1.01	bb
200601K1_3	100	0.79	NO	35.41	0.965	1.79e6	1.81e6	99.4	-0.6	0.989	bb
200601K1_4	100	0.80	NO	35.41	0.965	1.73e6	1.74e6	100	0.1	0.997	bb
200601K1_5	100	0.79	NO	35.41	0.965	1.84e6	1.89e6	97.6	-2.4	0.972	bb
200601K1_6	100	0.79	NO	35.41	0.965	1.90e6	1.92e6	99.2	-0.8	0.988	bb

**Compound name: 13C-PCB-80**

Response Factor: 1.02819

RRF SD: 0.0132281, Relative SD: 1.28654

Response type: Internal Std ( Ref 215 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	Int	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	100	0.80	NO	35.84	0.977	1.75e6	1.67e6	102	1.8	1.05	bb
200601K1_2	100	0.79	NO	35.84	0.977	1.87e6	1.82e6	100	-0.0	1.03	bb
200601K1_3	100	0.79	NO	35.84	0.977	1.86e6	1.81e6	99.7	-0.3	1.03	bb
200601K1_4	100	0.79	NO	35.84	0.977	1.79e6	1.74e6	100	0.2	1.03	bb
200601K1_5	100	0.80	NO	35.84	0.977	1.90e6	1.89e6	97.8	-2.2	1.01	db
200601K1_6	100	0.77	NO	35.84	0.977	1.99e6	1.92e6	100	0.5	1.03	bb

Dataset: U:\VG11.PRO\Results\200801K1\200801K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: 13C-PCB-81  
 Response Factor: 0.987991  
 RRF SD: 0.0137248, Relative SD: 1.38916  
 Response type: Internal Std ( Ref 215 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc.	RA	Int.	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
1	200801K1_1	100	0.79	NO	39.04	1.084	1.85e6	1.87e6	99.8	-0.2	0.986	bd
2	200801K1_2	100	0.79	NO	39.04	1.084	1.76e6	1.82e6	98.0	-2.0	0.988	bd
3	200801K1_3	100	0.79	NO	39.04	1.084	1.80e6	1.81e6	100	0.5	0.993	bd
4	200801K1_4	100	0.80	NO	39.04	1.084	1.70e6	1.74e6	99.2	-0.8	0.980	bb
5	200801K1_5	100	0.78	NO	39.04	1.084	1.86e6	1.89e6	101	0.6	0.994	bd
6	200801K1_6	100	0.78	NO	39.04	1.084	1.94e6	1.92e6	102	2.0	1.01	bd

Compound name: 13C-PCB-77  
 Response Factor: 0.988731  
 RRF SD: 0.0228063, Relative SD: 2.35425  
 Response type: Internal Std ( Ref 215 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc.	RA	Int.	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
1	200801K1_1	100	0.79	NO	39.66	1.081	1.59e6	1.67e6	98.5	-1.5	0.954	bb
2	200801K1_2	100	0.78	NO	39.66	1.081	1.71e6	1.82e6	97.0	-3.0	0.940	bb
3	200801K1_3	100	0.79	NO	39.66	1.081	1.75e6	1.81e6	99.7	-0.3	0.966	bb
4	200801K1_4	100	0.80	NO	39.66	1.081	1.69e6	1.74e6	101	0.6	0.975	bb
5	200801K1_5	100	0.81	NO	39.66	1.081	1.84e6	1.89e6	100	0.2	0.970	bb
6	200801K1_6	100	0.80	NO	39.66	1.081	1.94e6	1.92e6	104	4.0	1.01	bb

Compound name: 13C-PCB-104  
 Response Factor: 1.01645  
 RRF SD: 0.0338582, Relative SD: 3.33102  
 Response type: Internal Std ( Ref 216 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc.	RA	Int.	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
1	200801K1_1	100	1.58	NO	32.44	0.828	1.12e6	1.08e6	102	1.8	1.03	bb
2	200801K1_2	100	1.85	NO	32.46	0.827	1.26e6	1.18e6	105	4.9	1.07	bb

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: 13C-PCB-104

Name	Std. Conc.	RA	ny	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_3	100	1.62	NO	32.46	0.827	1.20e6	1.17e6	100	0.4	1.02	bb
200601K1_4	100	1.59	NO	32.46	0.827	1.17e6	1.15e6	100	0.3	1.02	bb
200601K1_5	100	1.62	NO	32.46	0.827	1.28e6	1.31e6	96.3	-3.7	0.979	bb
200601K1_6	100	1.63	NO	32.46	0.827	1.28e6	1.31e6	96.3	-3.7	0.979	bb

Compound name: 13C-PCB-95

Response Factor: 0.805195

RRF SD: 0.0178744, Relative SD: 2.19504

Response type: Internal Std ( Ref 216 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	ny	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	100	1.86	NO	35.71	0.910	8.86e5	1.08e6	102	1.5	0.817	bb
200601K1_2	100	1.82	NO	35.71	0.910	9.83e5	1.18e6	101	1.5	0.817	bb
200601K1_3	100	1.81	NO	35.71	0.910	9.53e5	1.17e6	101	1.1	0.814	bb
200601K1_4	100	1.84	NO	35.73	0.910	9.36e5	1.15e6	101	0.8	0.812	bb
200601K1_5	100	1.81	NO	35.73	0.910	1.01e6	1.31e6	95.8	-4.2	0.772	bb
200601K1_6	100	1.80	NO	35.73	0.910	1.05e6	1.31e6	99.3	-0.7	0.799	bb

Compound name: 13C-PCB-101

Response Factor: 0.792577

RRF SD: 0.0148513, Relative SD: 1.84857

Response type: Internal Std ( Ref 216 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	ny	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	100	1.86	NO	37.46	0.955	8.56e5	1.08e6	99.8	-0.4	0.789	bb
200601K1_2	100	1.87	NO	37.46	0.955	9.56e5	1.18e6	102	2.5	0.812	bb
200601K1_3	100	1.81	NO	37.46	0.955	9.39e5	1.17e6	101	1.2	0.802	bb
200601K1_4	100	1.80	NO	37.46	0.955	9.13e5	1.15e6	100	-0.0	0.793	bb
200601K1_5	100	1.80	NO	37.46	0.955	1.01e6	1.31e6	97.0	-3.0	0.769	bb
200601K1_6	100	1.87	NO	37.46	0.955	1.04e6	1.31e6	99.7	-0.3	0.790	bb

Dataset: U:\WG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: 13C-PCB-97

Response Factor: 0.696385

RRF SD: 0.00628075, Relative SD: 0.901907

Response type: Internal Std ( Ref 216 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev.	RRF	X = dropped
200601K1_1	100	1.63	NO	38.80	0.989	7.55e5	1.08e6	100	0.0	0.697	bb
200601K1_2	100	1.64	NO	38.80	0.989	8.31e5	1.18e6	101	1.2	0.705	bb
200601K1_3	100	1.63	NO	38.80	0.989	8.21e5	1.17e6	101	0.7	0.701	bb
200601K1_4	100	1.64	NO	38.80	0.989	7.95e5	1.15e6	99.0	-1.0	0.690	bb
200601K1_5	100	1.61	NO	38.80	0.989	9.02e5	1.31e6	99.0	-1.0	0.689	bb
200601K1_6	100	1.61	NO	38.80	0.989	9.13e5	1.31e6	100	0.0	0.698	bb

Compound name: 13C-PCB-123

Response Factor: 0.932868

RRF SD: 0.0173754, Relative SD: 1.86258

Response type: Internal Std ( Ref 216 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev.	RRF	X = dropped
200601K1_1	100	1.82	NO	41.44	1.056	1.02e6	1.08e6	101	0.6	0.939	bd
200601K1_2	100	1.81	NO	41.44	1.056	1.11e6	1.18e6	101	0.5	0.938	bd
200601K1_3	100	1.84	NO	41.44	1.056	1.12e6	1.17e6	102	2.1	0.953	bd
200601K1_4	100	1.82	NO	41.48	1.056	1.07e6	1.15e6	99.3	-0.7	0.928	bd
200601K1_5	100	1.82	NO	41.48	1.056	1.18e6	1.31e6	96.7	-3.3	0.902	bd
200601K1_6	100	1.81	NO	41.48	1.056	1.23e6	1.31e6	101	0.7	0.939	bd

Compound name: 13C-PCB-118

Response Factor: 0.985592

RRF SD: 0.0134189, Relative SD: 1.3815

Response type: Internal Std ( Ref 216 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev.	RRF	X = dropped
200601K1_1	100	1.64	NO	41.63	1.061	1.07e6	1.08e6	100	0.4	0.990	db
200601K1_2	100	1.62	NO	41.63	1.061	1.17e6	1.18e6	100	0.3	0.988	db

Dataset: U:\VG11.PRO\Results\200801K1\200801K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

**Compound name: 13C-PCB-118**

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X=dropped
200801K1_3	100	1.88	NO	41.85	1.081	1.16e6	1.17e6	100	0.3	0.989	db
200801K1_4	100	1.84	NO	41.85	1.081	1.12e6	1.15e6	98.8	-1.2	0.974	db
200801K1_5	100	1.83	NO	41.85	1.081	1.27e6	1.31e6	98.2	-1.8	0.987	db
200801K1_6	100	1.58	NO	41.85	1.081	1.32e6	1.31e6	102	2.0	1.01	db

**Compound name: 13C-PCB-114**

Response Factor: 1.54868

RRF SD: 0.0375936, Relative SD: 2.4308

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X=dropped
200801K1_1	100	1.58	NO	42.30	0.908	1.38e6	8.47e5	104	4.0	1.81	bb
200801K1_2	100	1.55	NO	42.30	0.908	1.45e6	9.25e5	102	1.8	1.57	bb
200801K1_3	100	1.58	NO	42.32	0.908	1.47e6	9.70e5	97.9	-2.1	1.51	bb
200801K1_4	100	1.58	NO	42.32	0.908	1.41e6	9.28e5	98.2	-1.8	1.52	bb
200801K1_5	100	1.59	NO	42.32	0.908	1.52e6	1.00e6	98.3	-1.7	1.52	bb
200801K1_6	100	1.58	NO	42.32	0.908	1.58e6	1.02e6	100	0.0	1.55	bb

**Compound name: 13C-PCB-105**

Response Factor: 1.57244

RRF SD: 0.0487805, Relative SD: 3.10222

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X=dropped
200801K1_1	100	1.58	NO	43.19	0.927	1.40e6	8.47e5	105	5.1	1.85	dd
200801K1_2	100	1.55	NO	43.19	0.927	1.47e6	9.25e5	101	1.1	1.59	bd
200801K1_3	100	1.59	NO	43.21	0.927	1.49e6	9.70e5	98.0	-2.0	1.54	bd
200801K1_4	100	1.59	NO	43.21	0.927	1.42e6	9.28e5	97.4	-2.8	1.53	bb
200801K1_5	100	1.57	NO	43.21	0.927	1.53e6	1.00e6	97.2	-2.8	1.53	bd
200801K1_6	100	1.57	NO	43.21	0.927	1.62e6	1.02e6	101	1.2	1.59	dd

Dataset: U:\VG11.PRO\Results\200801K1\200801K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: 13C-PCB-127  
 Response Factor: 1.82478  
 RRF SD: 0.0481809, Relative SD: 2.96539  
 Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Int.	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200801K1_1	100	1.56	NO	43.55	0.935	1.45e6	8.47e5	105	5.2	1.71	db
200801K1_2	100	1.57	NO	43.55	0.935	1.51e6	9.25e5	100	0.3	1.83	db
200801K1_3	100	1.57	NO	43.55	0.935	1.59e6	9.70e5	101	0.8	1.84	db
200801K1_4	100	1.56	NO	43.55	0.934	1.47e6	9.28e5	97.5	-2.5	1.58	bb
200801K1_5	100	1.56	NO	43.55	0.934	1.58e6	1.00e6	97.0	-3.0	1.58	db
200801K1_6	100	1.56	NO	43.55	0.934	1.64e6	1.02e6	99.2	-0.8	1.81	db

Compound name: 13C-PCB-126  
 Response Factor: 1.56796  
 RRF SD: 0.0317856, Relative SD: 2.02719  
 Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Int.	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200801K1_1	100	1.55	NO	45.51	0.978	1.33e6	8.47e5	100	0.0	1.57	bb
200801K1_2	100	1.56	NO	45.51	0.978	1.49e6	9.25e5	103	2.8	1.81	bb
200801K1_3	100	1.59	NO	45.51	0.978	1.54e6	9.70e5	101	1.0	1.58	bb
200801K1_4	100	1.54	NO	45.52	0.978	1.45e6	9.28e5	100	0.1	1.57	bb
200801K1_5	100	1.57	NO	45.51	0.978	1.51e6	1.00e6	96.4	-3.8	1.51	bb
200801K1_6	100	1.56	NO	45.52	0.978	1.80e6	1.02e6	99.8	-0.2	1.56	bb

Compound name: 13C-PCB-155  
 Response Factor: 0.614596  
 RRF SD: 0.0119449, Relative SD: 1.94354  
 Response type: Internal Std ( Ref 216 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Int.	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200801K1_1	100	1.28	NO	36.98	0.942	6.57e5	1.08e6	98.8	-1.4	0.606	bb
200801K1_2	100	1.28	NO	36.98	0.942	7.35e5	1.18e6	101	1.4	0.823	bb

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: 13C-PCB-155

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_3	100	1.32	NO	36.99	0.943	7.36e5	1.17e6	102	2.3	0.629	bb
200601K1_4	100	1.28	NO	36.99	0.943	7.19e5	1.15e6	102	1.5	0.624	bb
200601K1_5	100	1.35	NO	36.99	0.943	7.68e5	1.31e6	97.8	-2.2	0.601	bb
200601K1_6	100	1.32	NO	36.99	0.943	7.92e5	1.31e6	98.3	-1.7	0.604	bb

Compound name: 13C-PCB-153

Response Factor: 1.36484

RRF SD: 0.0310875, Relative SD: 2.27774

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	100	1.26	NO	43.36	0.930	1.21e6	8.47e5	104	4.5	1.43	bb
200601K1_2	100	1.25	NO	43.36	0.930	1.26e6	9.25e5	100	0.1	1.37	bb
200601K1_3	100	1.24	NO	43.36	0.930	1.30e6	9.70e5	98.2	-1.8	1.34	bb
200601K1_4	100	1.28	NO	43.36	0.930	1.25e6	9.26e5	99.1	-0.9	1.35	bb
200601K1_5	100	1.25	NO	43.36	0.930	1.35e6	1.00e6	98.8	-1.2	1.35	bb
200601K1_6	100	1.28	NO	43.36	0.930	1.38e6	1.02e6	99.4	-0.6	1.36	bb

Compound name: 13C-PCB-141

Response Factor: 1.12787

RRF SD: 0.0175764, Relative SD: 1.55838

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	100	1.28	NO	44.12	0.947	9.74e5	8.47e5	102	1.9	1.15	bb
200601K1_2	100	1.28	NO	44.14	0.947	1.06e6	9.25e5	101	1.4	1.14	bb
200601K1_3	100	1.30	NO	44.14	0.947	1.10e6	9.70e5	100	0.4	1.13	bb
200601K1_4	100	1.28	NO	44.14	0.947	1.03e6	9.26e5	99.1	-0.9	1.12	bb
200601K1_5	100	1.26	NO	44.14	0.947	1.12e6	1.00e6	99.4	-0.6	1.12	bb
200601K1_6	100	1.26	NO	44.14	0.947	1.12e6	1.02e6	97.7	-2.3	1.10	bb

Dataset: U:\VG11.PRO\Results\200801K1\200801K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: 13C-PCB-138  
 Response Factor: 1.18475  
 RRF SD: 0.015047, Relative SD: 1.27006  
 Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	100	1.29	NO	44.99	0.965	1.00e6	8.47e5	99.7	-0.3	1.18	bb
200801K1_2	100	1.29	NO	44.99	0.965	1.11e6	9.25e5	101	1.0	1.20	bb
200801K1_3	100	1.29	NO	45.01	0.966	1.16e6	9.70e5	101	0.6	1.19	bb
200801K1_4	100	1.29	NO	45.01	0.965	1.07e6	9.28e5	97.9	-2.1	1.16	bb
200801K1_5	100	1.28	NO	45.01	0.965	1.18e6	1.00e6	99.5	-0.5	1.18	bb
200801K1_6	100	1.27	NO	45.01	0.985	1.22e6	1.02e6	101	1.3	1.20	bb

Compound name: 13C-PCB-159  
 Response Factor: 1.43942  
 RRF SD: 0.0195746, Relative SD: 1.3599  
 Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	100	1.28	NO	46.32	0.994	1.22e6	8.47e5	99.7	-0.3	1.44	bb
200801K1_2	100	1.28	NO	46.32	0.994	1.34e6	9.25e5	100	0.4	1.44	bd
200801K1_3	100	1.27	NO	46.32	0.994	1.38e6	9.70e5	99.0	-1.0	1.43	bd
200801K1_4	100	1.28	NO	46.34	0.994	1.33e6	9.28e5	99.7	-0.3	1.43	bd
200801K1_5	100	1.28	NO	46.34	0.994	1.42e6	1.00e6	98.7	-1.3	1.42	bd
200801K1_6	100	1.28	NO	46.34	0.994	1.51e6	1.02e6	103	2.5	1.48	bd

Compound name: 13C-PCB-167  
 Response Factor: 1.44018  
 RRF SD: 0.0216462, Relative SD: 1.50303  
 Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	100	1.28	NO	47.02	1.009	1.22e6	8.47e5	99.8	-0.4	1.43	bb
200801K1_2	100	1.28	NO	47.02	1.009	1.33e6	9.25e5	99.8	-0.4	1.43	bb



Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: 13C-PCB-167

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_3	100	1.27	NO	47.04	1.009	1.39e6	9.70e5	99.8	-0.2	1.44	bb
200601K1_4	100	1.27	NO	47.04	1.009	1.36e6	9.26e5	102	1.9	1.47	bb
200601K1_5	100	1.25	NO	47.04	1.009	1.41e6	1.00e6	97.7	-2.3	1.41	bb
200601K1_6	100	1.26	NO	47.04	1.009	1.49e6	1.02e6	101	1.5	1.46	bb

Compound name: 13C-PCB-156

Response Factor: 1.39893

RRF SD: 0.0275437, Relative SD: 1.97173

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	100	1.28	NO	48.37	1.038	1.16e6	8.47e5	99.8	-0.2	1.39	bb
200601K1_2	100	1.27	NO	48.37	1.038	1.26e6	9.25e5	97.8	-2.2	1.37	bb
200601K1_3	100	1.28	NO	48.37	1.038	1.35e6	9.70e5	99.5	-0.5	1.39	bb
200601K1_4	100	1.26	NO	48.37	1.037	1.31e6	9.26e5	102	1.7	1.42	bb
200601K1_5	100	1.26	NO	48.37	1.037	1.37e6	1.00e6	98.3	-1.7	1.37	bb
200601K1_6	100	1.27	NO	48.37	1.037	1.47e6	1.02e6	103	2.9	1.44	bb

Compound name: 13C-PCB-157

Response Factor: 1.39899

RRF SD: 0.0376485, Relative SD: 2.69497

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	100	1.27	NO	48.63	1.043	1.19e6	8.47e5	100	0.2	1.40	bb
200601K1_2	100	1.28	NO	48.63	1.043	1.24e6	9.25e5	95.9	-4.1	1.34	bb
200601K1_3	100	1.28	NO	48.65	1.044	1.36e6	9.70e5	100	0.3	1.40	bb
200601K1_4	100	1.26	NO	48.65	1.043	1.31e6	9.26e5	102	1.6	1.42	bb
200601K1_5	100	1.27	NO	48.65	1.043	1.37e6	1.00e6	98.3	-1.7	1.37	bb
200601K1_6	100	1.26	NO	48.65	1.043	1.46e6	1.02e6	104	3.7	1.45	bb

Dataset: U:\VG11.PRO\Results\200801K1\200801K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: 13C-PCB-189  
 Response Factor: 1.33116  
 RRF SD: 0.042515, Relative SD: 3.19384  
 Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Ext. Conc.	RA	Qty	RT	RRF	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200801K1_1	100	1.26	NO	50.90	1.092	1.12e6	8.47e5	99.2	-0.8	1.32	bb
200801K1_2	100	1.26	NO	50.90	1.092	1.19e6	9.25e5	96.3	-3.7	1.28	bb
200801K1_3	100	1.26	NO	50.90	1.092	1.33e6	9.70e5	103	3.1	1.37	bb
200801K1_4	100	1.26	NO	50.90	1.092	1.22e6	9.29e5	99.1	-0.9	1.32	bb
200801K1_5	100	1.25	NO	50.90	1.092	1.30e6	1.00e6	97.7	-2.3	1.30	bb
200801K1_6	100	1.27	NO	50.92	1.092	1.42e6	1.02e6	105	4.8	1.39	bb

Compound name: 13C-PCB-188  
 Response Factor: 1.40951  
 RRF SD: 0.0117086, Relative SD: 0.83069  
 Response type: Internal Std ( Ref 218 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Ext. Conc.	RA	Qty	RT	RRF	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200801K1_1	100	0.45	NO	42.99	0.926	9.28e5	6.80e5	99.8	-0.2	1.41	bb
200801K1_2	100	0.45	NO	42.99	0.926	1.02e6	7.21e5	100	-0.0	1.41	bb
200801K1_3	100	0.46	NO	42.99	0.926	1.03e6	7.29e5	101	0.7	1.42	bb
200801K1_4	100	0.46	NO	43.00	0.926	1.01e6	7.30e5	96.5	-1.5	1.39	bb
200801K1_5	100	0.46	NO	43.00	0.926	1.13e6	8.04e5	100	0.1	1.41	bb
200801K1_6	100	0.45	NO	43.00	0.926	1.18e6	8.32e5	101	0.9	1.42	bb

Compound name: 13C-PCB-180  
 Response Factor: 0.928881  
 RRF SD: 0.0198492, Relative SD: 2.11536  
 Response type: Internal Std ( Ref 218 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Ext. Conc.	RA	Qty	RT	RRF	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200801K1_1	100	0.46	NO	49.69	1.070	6.18e5	6.80e5	101	0.5	0.934	bd
200801K1_2	100	0.44	NO	49.69	1.070	6.54e5	7.21e5	97.6	-2.4	0.907	bd

Dataset: U:\VG11.PRO\Results\200801K1\200801K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: 13C-PCB-180

Name	Std. Conc.	RA	Qty	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_3	100	0.46	NO	49.69	1.070	7.01e5	7.29e5	103	3.4	0.961	bd
200801K1_4	100	0.46	NO	49.69	1.070	6.87e5	7.30e5	98.4	-1.6	0.914	bb
200801K1_5	100	0.45	NO	49.69	1.070	7.40e5	8.04e5	99.1	-0.9	0.920	bb
200801K1_6	100	0.45	NO	49.69	1.070	7.81e5	8.32e5	101	1.1	0.939	bb

Compound name: 13C-PCB-170

Response Factor: 0.794323

RRF SD: 0.024833, Relative SD: 3.12632

Response type: Internal Std ( Ref 218 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	100	0.45	NO	51.36	1.106	5.21e5	6.60e5	99.4	-0.6	0.789	bb
200801K1_2	100	0.44	NO	51.36	1.106	5.75e5	7.21e5	100	0.4	0.798	bb
200801K1_3	100	0.45	NO	51.36	1.106	6.11e5	7.29e5	105	5.4	0.837	bb
200801K1_4	100	0.46	NO	51.36	1.106	5.78e5	7.30e5	99.8	-0.2	0.793	bb
200801K1_5	100	0.46	NO	51.36	1.106	6.11e5	8.04e5	95.7	-4.3	0.760	bb
200801K1_6	100	0.46	NO	51.36	1.106	6.57e5	8.32e5	99.3	-0.7	0.789	bb

Compound name: 13C-PCB-189

Response Factor: 1.04459

RRF SD: 0.0359944, Relative SD: 3.44577

Response type: Internal Std ( Ref 218 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	100	0.46	NO	53.08	1.143	6.87e5	6.60e5	99.6	-0.4	1.04	bb
200801K1_2	100	0.46	NO	53.08	1.143	7.42e5	7.21e5	98.5	-1.5	1.03	bb
200801K1_3	100	0.46	NO	53.08	1.143	8.11e5	7.29e5	108	6.4	1.11	bb
200801K1_4	100	0.46	NO	53.08	1.143	7.81e5	7.30e5	99.8	-0.2	1.04	bb
200801K1_5	100	0.46	NO	53.08	1.143	8.07e5	8.04e5	98.1	-3.9	1.00	bb
200801K1_6	100	0.47	NO	53.08	1.143	8.85e5	8.32e5	99.6	-0.4	1.04	bb

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: 13C-PCB-202

Response Factor: 1.03576

RRF SD: 0.0193089, Relative SD: 1.86423

Response type: Internal Std ( Ref 218 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200601K1_1	100	0.94	NO	48.57	1.048	6.72e5	6.60e5	98.4	-1.6	1.02	bb
200601K1_2	100	0.93	NO	48.59	1.048	7.55e5	7.21e5	101	1.1	1.05	bb
200601K1_3	100	0.93	NO	48.59	1.048	7.66e5	7.29e5	101	1.4	1.05	bb
200601K1_4	100	0.91	NO	48.59	1.048	7.74e5	7.30e5	102	2.4	1.06	bb
200601K1_5	100	0.93	NO	48.59	1.048	8.21e5	8.04e5	98.5	-1.5	1.02	bb
200601K1_6	100	0.91	NO	48.59	1.048	8.48e5	8.32e5	98.2	-1.6	1.02	bb

Compound name: 13C-PCB-184

Response Factor: 0.768019

RRF SD: 0.0144259, Relative SD: 1.87833

Response type: Internal Std ( Ref 219 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200601K1_1	100	0.88	NO	54.70	0.995	6.54e5	6.59e5	99.2	-0.8	0.762	bb
200601K1_2	100	0.90	NO	54.70	0.995	6.72e5	6.91e5	98.2	-1.8	0.754	bb
200601K1_3	100	0.89	NO	54.70	0.995	7.55e5	9.85e5	99.9	-0.1	0.767	bb
200601K1_4	100	0.89	NO	54.70	0.995	6.85e5	6.96e5	99.3	-0.7	0.763	bb
200601K1_5	100	0.90	NO	54.70	0.995	7.19e5	9.37e5	99.9	-0.1	0.787	bb
200601K1_6	100	0.90	NO	54.70	0.995	8.07e5	1.01e6	104	3.6	0.796	bb

Compound name: 13C-PCB-208

Response Factor: 0.990772

RRF SD: 0.01981, Relative SD: 1.97926

Response type: Internal Std ( Ref 219 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200601K1_1	100	0.79	NO	53.94	0.981	8.27e5	8.59e5	97.1	-2.9	0.962	bb
200601K1_2	100	0.77	NO	53.94	0.981	8.89e5	8.91e5	101	0.7	0.998	bb

Dataset: U:\VG11.PROVResults\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: 13C-PCB-208

Name	Std Conc	RA	Hy	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_3	100	0.79	NO	53.94	0.981	9.56e5	9.85e5	96.0	-2.0	0.971	bb
200601K1_4	100	0.79	NO	53.94	0.981	9.09e5	8.98e5	102	2.1	1.01	bb
200601K1_5	100	0.78	NO	53.94	0.981	9.40e5	9.37e5	101	1.2	1.00	bb
200601K1_6	100	0.78	NO	53.94	0.981	1.01e6	1.01e6	101	0.9	0.999	bb

Compound name: 13C-PCB-206

Response Factor: 0.552205

RRF SD: 0.00935022, Relative SD: 1.69325

Response type: Internal Std ( Ref 219 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	Hy	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	100	0.78	NO	56.24	1.023	4.83e5	8.59e5	102	1.8	0.562	dd
200601K1_2	100	0.81	NO	56.24	1.023	4.90e5	8.91e5	99.5	-0.5	0.550	dd
200601K1_3	100	0.78	NO	56.24	1.023	5.49e5	9.85e5	101	1.0	0.558	bb
200601K1_4	100	0.80	NO	56.24	1.023	5.03e5	8.98e5	101	1.4	0.560	dd
200601K1_5	100	0.78	NO	56.24	1.023	5.04e5	9.37e5	97.4	-2.8	0.538	bd
200601K1_6	100	0.78	NO	56.24	1.023	5.54e5	1.01e6	99.0	-1.0	0.547	db

Compound name: 13C-PCB-209

Response Factor: 0.396384

RRF SD: 0.0196712, Relative SD: 4.96267

Response type: Internal Std ( Ref 219 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	Hy	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	100	1.23	NO	57.48	1.046	3.65e5	8.59e5	107	7.2	0.425	bb
200601K1_2	100	1.16	NO	57.48	1.046	3.67e5	8.91e5	104	3.8	0.411	bb
200601K1_3	100	1.18	NO	57.48	1.046	3.88e5	9.85e5	99.5	-0.5	0.394	bb
200601K1_4	100	1.18	NO	57.48	1.046	3.55e5	8.98e5	99.8	-0.2	0.396	bb
200601K1_5	100	1.19	NO	57.48	1.046	3.47e5	9.37e5	93.4	-6.6	0.370	bb
200601K1_6	100	1.19	NO	57.48	1.046	3.87e5	1.01e6	98.3	-3.7	0.382	bb

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

**Compound name: 13C-PCB-15**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 213 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Int.	RT	RRF	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200601K1_1	100	1.56	NO	25.52	0.000	2.62e6	2.62e6	100	0.0	1.00	bb
200601K1_2	100	1.57	NO	25.51	0.000	2.80e6	2.80e6	100	0.0	1.00	bb
200601K1_3	100	1.58	NO	25.53	0.000	2.85e6	2.85e6	100	0.0	1.00	bb
200601K1_4	100	1.56	NO	25.53	0.000	2.67e6	2.67e6	100	0.0	1.00	bb
200601K1_5	100	1.57	NO	25.53	0.000	2.81e6	2.81e6	100	0.0	1.00	bb
200601K1_6	100	1.56	NO	25.53	0.000	2.77e6	2.77e6	100	0.0	1.00	bb

**Compound name: 13C-PCB-31**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 214 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Int.	RT	RRF	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200601K1_1	100	1.03	NO	28.66	0.000	2.08e6	2.08e6	100	0.0	1.00	bd
200601K1_2	100	1.04	NO	28.66	0.000	2.43e6	2.43e6	100	0.0	1.00	bd
200601K1_3	100	1.04	NO	28.66	0.000	2.26e6	2.26e6	100	0.0	1.00	bd
200601K1_4	100	1.05	NO	28.66	0.000	2.13e6	2.13e6	100	0.0	1.00	bd
200601K1_5	100	1.03	NO	28.66	0.000	2.24e6	2.24e6	100	0.0	1.00	bd
200601K1_6	100	1.04	NO	28.66	0.000	2.18e6	2.18e6	100	0.0	1.00	bd

**Compound name: 13C-PCB-60**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 215 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Int.	RT	RRF	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200601K1_1	100	0.78	NO	36.66	0.000	1.67e6	1.67e6	100	0.0	1.00	bb
200601K1_2	100	0.80	NO	36.66	0.000	1.82e6	1.82e6	100	0.0	1.00	bb

Dataset: U:\VG11.PRO\Results\200801K1\200801K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: 13C-PCB-80

Name	Std Conc	RA	ry	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200801K1_3	100	0.78	NO	36.68	0.000	1.81e6	1.81e6	100	0.0	1.00	bb
200801K1_4	100	0.79	NO	36.68	0.000	1.74e6	1.74e6	100	0.0	1.00	bb
200801K1_5	100	0.78	NO	36.70	0.000	1.89e6	1.89e6	100	0.0	1.00	bb
200801K1_6	100	0.78	NO	36.70	0.000	1.92e6	1.92e6	100	0.0	1.00	bb

Compound name: 13C-PCB-111

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 216 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	ry	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200801K1_1	100	1.62	NO	39.25	0.000	1.08e6	1.08e6	100	0.0	1.00	bb
200801K1_2	100	1.62	NO	39.25	0.000	1.18e6	1.18e6	100	0.0	1.00	bb
200801K1_3	100	1.62	NO	39.25	0.000	1.17e6	1.17e6	100	0.0	1.00	db
200801K1_4	100	1.60	NO	39.25	0.000	1.15e6	1.15e6	100	0.0	1.00	bb
200801K1_5	100	1.62	NO	39.25	0.000	1.31e6	1.31e6	100	0.0	1.00	bb
200801K1_6	100	1.63	NO	39.25	0.000	1.31e6	1.31e6	100	0.0	1.00	bb

Compound name: 13C-PCB-128

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	ry	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200801K1_1	100	1.28	NO	46.60	0.000	8.47e5	8.47e5	100	0.0	1.00	bb
200801K1_2	100	1.27	NO	46.60	0.000	9.25e5	9.25e5	100	0.0	1.00	db
200801K1_3	100	1.25	NO	46.60	0.000	9.70e5	9.70e5	100	0.0	1.00	db
200801K1_4	100	1.26	NO	46.62	0.000	9.26e5	9.26e5	100	0.0	1.00	db
200801K1_5	100	1.26	NO	46.62	0.000	1.00e6	1.00e6	100	0.0	1.00	db
200801K1_6	100	1.27	NO	46.62	0.000	1.02e6	1.02e6	100	0.0	1.00	db

Dataset: U:\VG11.PRO\Results\200801K1\200801K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

**Compound name: 13C-PCB-182**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 218 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	100	0.46	NO	46.43	0.000	6.60e5	6.60e5	100	0.0	1.00	bb
200801K1_2	100	0.44	NO	46.43	0.000	7.21e5	7.21e5	100	0.0	1.00	bb
200801K1_3	100	0.46	NO	46.43	0.000	7.29e5	7.29e5	100	0.0	1.00	bb
200801K1_4	100	0.45	NO	46.43	0.000	7.30e5	7.30e5	100	0.0	1.00	bb
200801K1_5	100	0.45	NO	46.43	0.000	8.04e5	8.04e5	100	0.0	1.00	bb
200801K1_6	100	0.45	NO	46.43	0.000	8.32e5	8.32e5	100	0.0	1.00	bb

**Compound name: 13C-PCB-205**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 219 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	100	0.90	NO	54.98	0.000	8.59e5	8.59e5	100	0.0	1.00	bb
200801K1_2	100	0.89	NO	54.98	0.000	8.91e5	8.91e5	100	0.0	1.00	bb
200801K1_3	100	0.90	NO	54.98	0.000	9.85e5	9.85e5	100	0.0	1.00	bb
200801K1_4	100	0.90	NO	54.98	0.000	8.98e5	8.98e5	100	0.0	1.00	bb
200801K1_5	100	0.90	NO	54.98	0.000	9.37e5	9.37e5	100	0.0	1.00	bb
200801K1_6	100	0.92	NO	54.98	0.000	1.01e6	1.01e6	100	0.0	1.00	bb

**Compound name: 13C-PCB-79**

Response Factor: 1.06893

RRF SD: 0.0167842, Relative SD: 1.57019

Response type: Internal Std ( Ref 215 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	100	0.79	NO	37.78	1.030	1.83e6	1.67e6	102	2.2	1.09	bb
200801K1_2	100	0.80	NO	37.78	1.030	1.92e6	1.82e6	98.7	-1.3	1.06	bb



Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: 13C-PCB-79

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X=dropped
200601K1_3	100	0.79	NO	37.78	1.030	1.93e6	1.81e6	99.5	-0.5	1.06	bb
200601K1_4	100	0.77	NO	37.78	1.030	1.87e6	1.74e6	101	0.5	1.07	bb
200601K1_5	100	0.79	NO	37.78	1.029	1.98e6	1.89e6	98.0	-2.0	1.05	bb
200601K1_6	100	0.79	NO	37.78	1.029	2.08e6	1.92e6	101	1.0	1.08	bb

Compound name: 13C-PCB-178

Response Factor: 0.768471

RRF SD: 0.0163291, Relative SD: 2.13043

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X=dropped
200601K1_1	100	0.46	NO	45.87	0.988	8.59e5	8.47e5	101	1.5	0.778	bb
200601K1_2	100	0.45	NO	45.87	0.988	7.18e5	9.25e5	101	1.0	0.774	bb
200601K1_3	100	0.44	NO	45.88	0.988	7.23e5	9.70e5	97.2	-2.8	0.745	bb
200601K1_4	100	0.46	NO	45.88	0.988	7.30e5	9.26e5	103	2.9	0.788	bb
200601K1_5	100	0.44	NO	45.88	0.988	7.54e5	1.00e6	98.3	-1.7	0.754	bb
200601K1_6	100	0.45	NO	45.88	0.988	7.75e5	1.02e6	99.1	-0.9	0.759	bb

Compound name: 13C-PCB-79

Response Factor: 1.06893

RRF SD: 0.0167842, Relative SD: 1.57019

Response type: Internal Std ( Ref 215 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X=dropped
200601K1_1	100	0.79	NO	37.78	0.988	1.83e6	1.65e6	102	2.5	1.11	bb
200601K1_2	100	0.80	NO	37.78	0.988	1.92e6	1.76e6	101	0.8	1.09	bb
200601K1_3	100	0.79	NO	37.78	0.988	1.93e6	1.80e6	99.0	-1.0	1.07	bb
200601K1_4	100	0.77	NO	37.78	0.988	1.87e6	1.70e6	101	1.4	1.10	bb
200601K1_5	100	0.79	NO	37.78	0.988	1.98e6	1.88e6	97.4	-2.6	1.05	bb
200601K1_6	100	0.79	NO	37.78	0.988	2.08e6	1.94e6	99.0	-1.0	1.07	bb

Dataset: U:\VG11.PROVResults\200801K1\200801K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: 13C-PCB-178  
Response Factor: 0.786471  
RRF SD: 0.0163291, Relative SD: 2.13043  
Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )  
Curve type: RF

Name	Int. Conc.	RA	Int.	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200801K1_1	100	0.48	NO	45.87	0.923	6.59e5	6.16e5	102	1.8	1.07	bb
200801K1_2	100	0.45	NO	45.87	0.923	7.16e5	6.54e5	104	4.2	1.10	bb
200801K1_3	100	0.44	NO	45.88	0.923	7.23e5	7.01e5	98.2	-1.8	1.03	bb
200801K1_4	100	0.48	NO	45.88	0.923	7.30e5	6.67e5	104	4.2	1.10	bb
200801K1_5	100	0.44	NO	45.88	0.923	7.55e5	7.40e5	97.2	-2.8	1.02	bb
200801K1_6	100	0.45	NO	45.88	0.923	7.75e5	7.81e5	94.4	-5.8	0.992	bb

Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 10:33:52 Pacific Daylight Time

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_6-1-20.mdb 02 Jun 2020 10:36:07  
Calibration: U:\VG11.PRO\CurveDB\cb1\_PCBvg11-6-1-20.cdb 02 Jun 2020 10:21:16

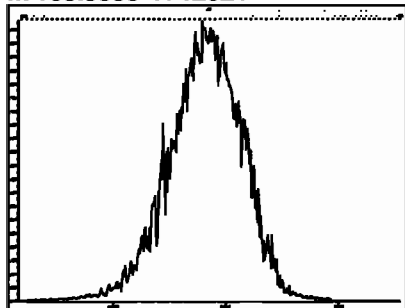
Compound name: PCB-1

Name	ID	Acq Date	Acq Time
200601K1_1	ST200601K1-1 PCB 209 CS0 19G2806	01-Jun-20	12:15:03
200601K1_2	ST200601K1-2 PCB 209 CS1 19G2807	01-Jun-20	13:18:19
200601K1_3	ST200601K1-3 PCB 209 CS2 19G2808	01-Jun-20	14:19:00
200601K1_4	ST200601K1-4 PCB 209 CS3 19G2809	01-Jun-20	15:19:46
200601K1_5	ST200601K1-5 PCB 209 CS4 19G2810	01-Jun-20	16:20:32
200601K1_8	ST200601K1-6 PCB 209 CS5 19G2811	01-Jun-20	17:21:13
200601K1_7	SS200601K1-1 PCB 209 SS 19G2812	01-Jun-20	18:21:53
200601K1_8	B0E0091-BS2 OPR 1	01-Jun-20	19:22:39
200601K1_9	B0D0045-BS4 OPR 1	01-Jun-20	20:23:05
200601K1_10	B0D0029-BS2 OPR 10	01-Jun-20	21:22:15
200601K1_11	B0D0029-BS3 OPR 10	01-Jun-20	22:24:28
200601K1_12	B0D0028-BS2 OPR 10	01-Jun-20	23:24:52
200601K1_13	B0D0028-BS3 OPR 10	02-Jun-20	00:24:00
200601K1_14	B0E0089-BS1 OPR 1	02-Jun-20	01:28:11

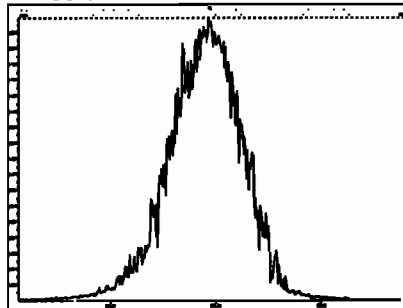
File: Experiment: PCB\_ZB1.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Monday, June 01, 2020 12:03:14 Pacific Daylight Time

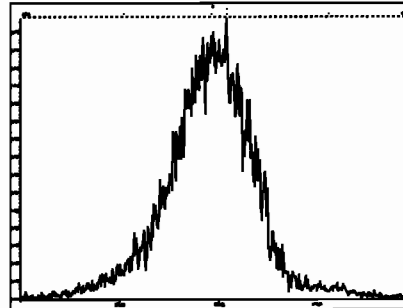
M 168.9888 R 12021



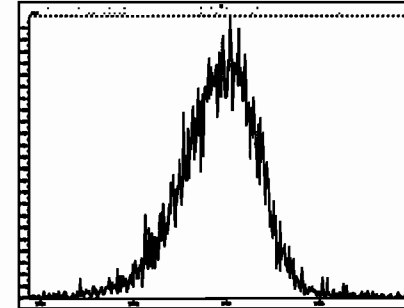
M 180.9888 R 11414



M 192.9888 R 10041



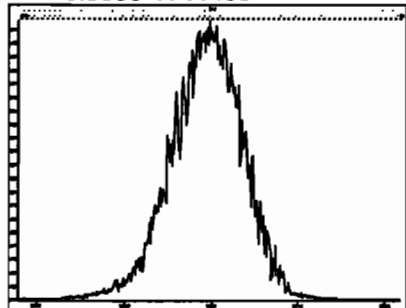
M 204.9888 R 12498



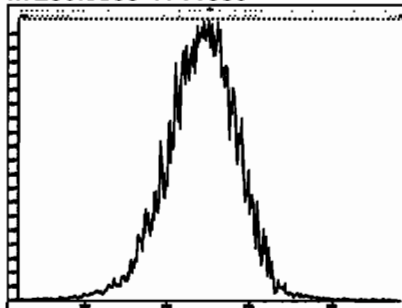
File: Experiment: PCB\_ZB1.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Monday, June 01, 2020 12:03:55 Pacific Daylight Time

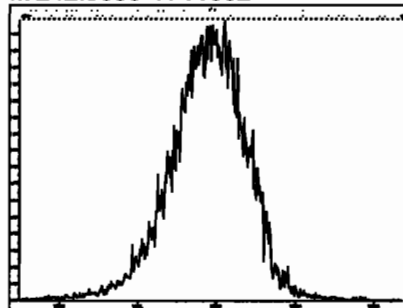
M 218.9856 R 11468



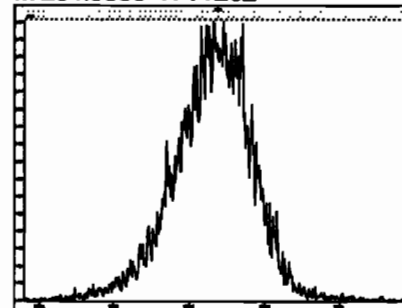
M 230.9856 R 11680



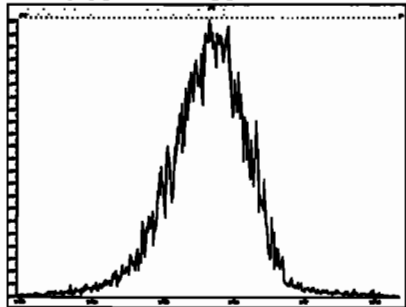
M 242.9856 R 11682



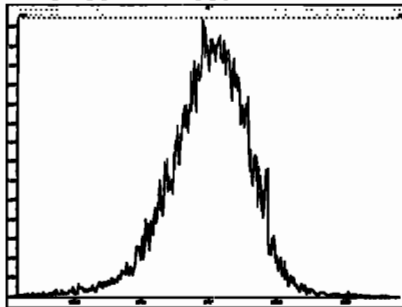
M 254.9856 R 11262



M 268.9824 R 11361

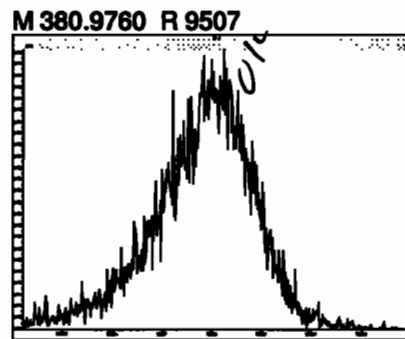
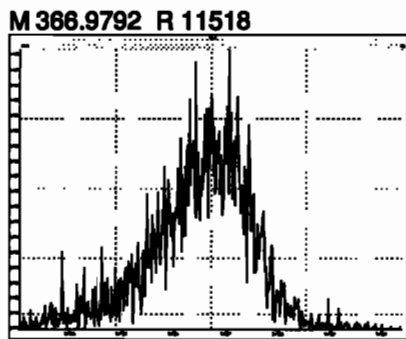
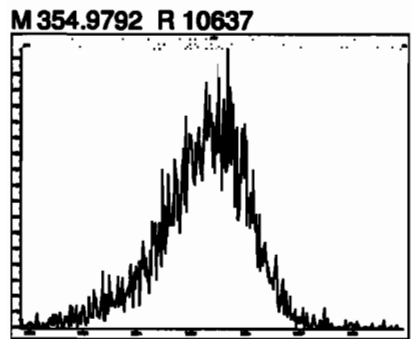
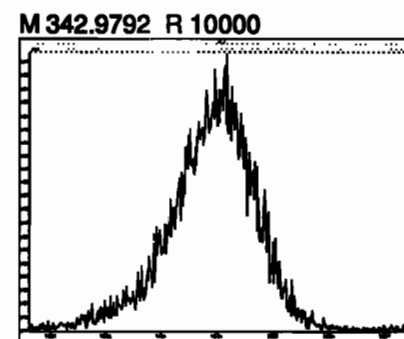
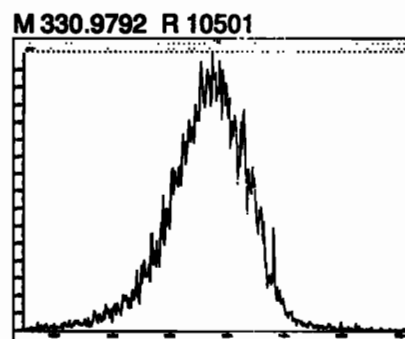
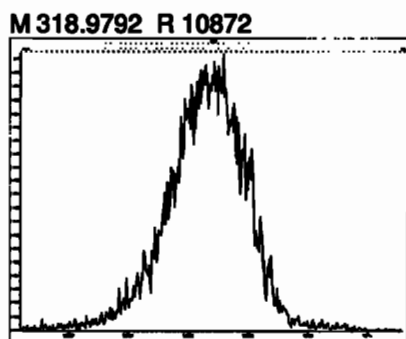
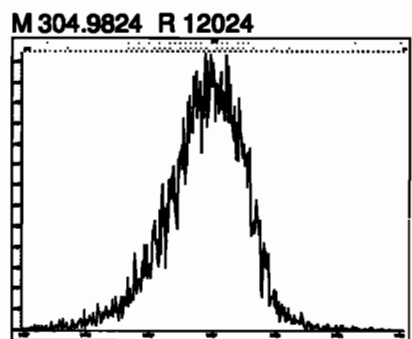
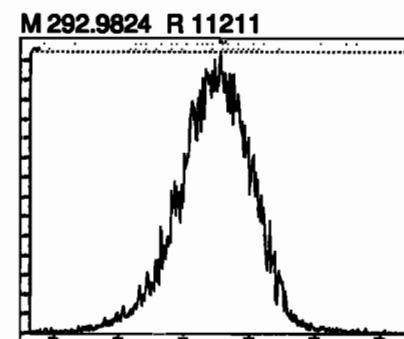
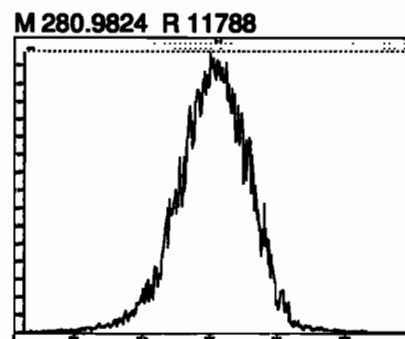
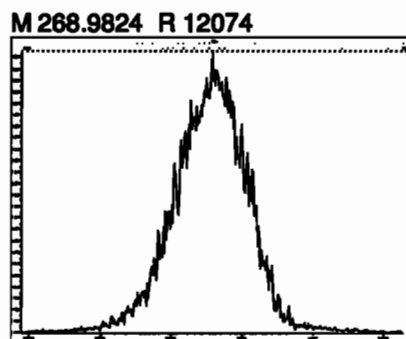
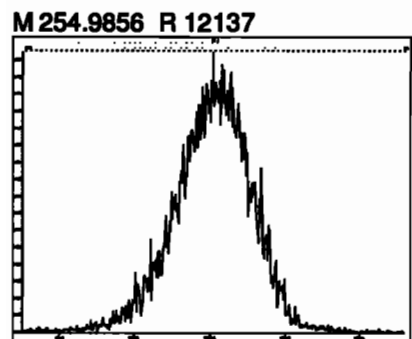


M 280.9824 R 10634



File: Experiment: PCB\_ZB1.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

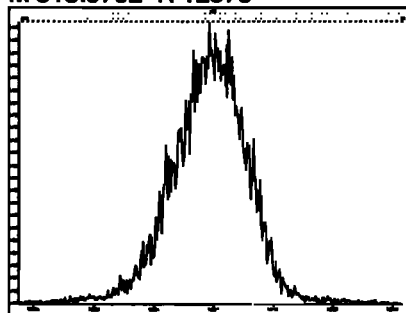
Printed: Monday, June 01, 2020 12:06:35 Pacific Daylight Time



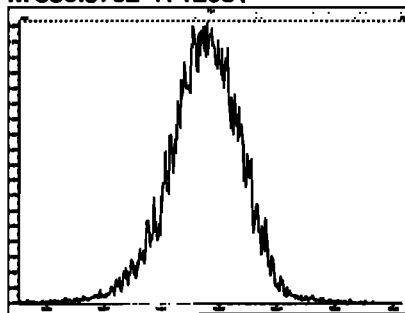
File: Experiment: PCB\_ZB1.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Monday, June 01, 2020 12:08:59 Pacific Daylight Time

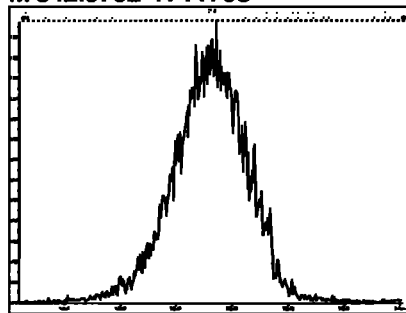
M 318.9792 R 12376



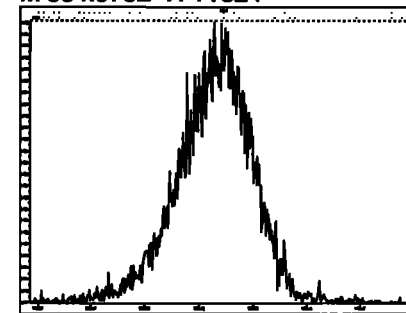
M 330.9792 R 12081



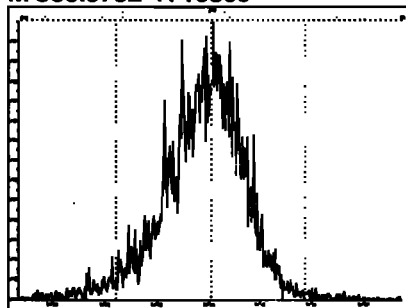
M 342.9792 R 11795



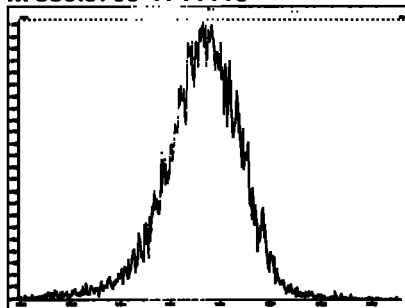
M 354.9792 R 11624



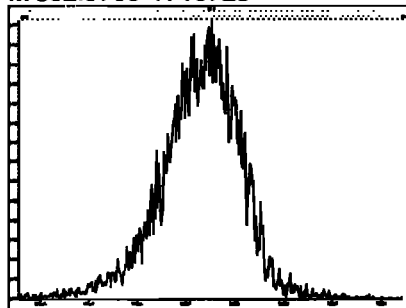
M 366.9792 R 10869



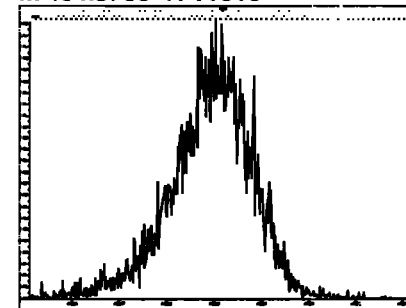
M 380.9760 R 11110



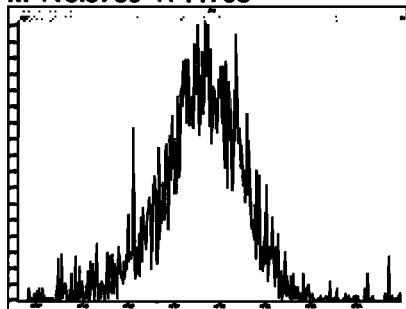
M 392.9760 R 10728



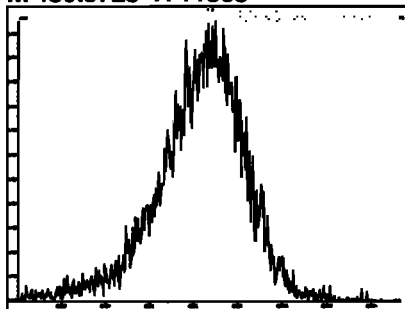
M 404.9760 R 11010



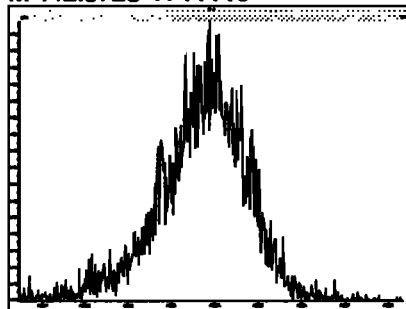
M 416.9760 R 11793



M 430.9728 R 11363

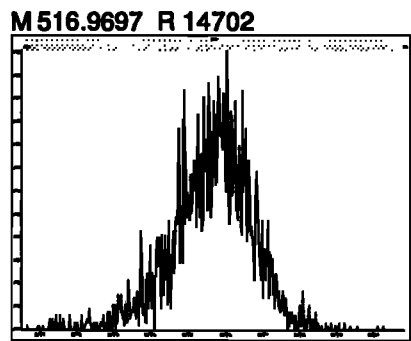
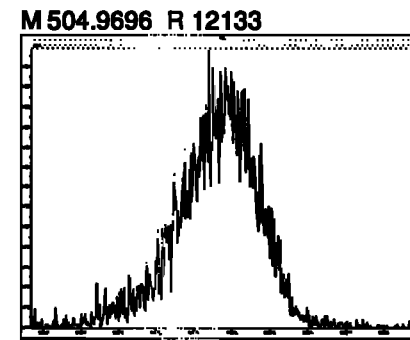
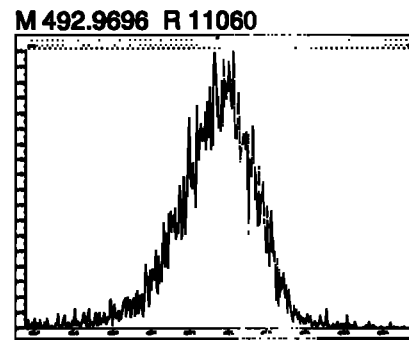
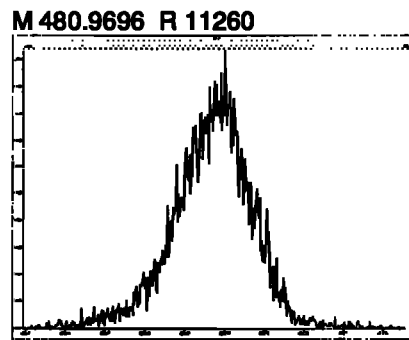
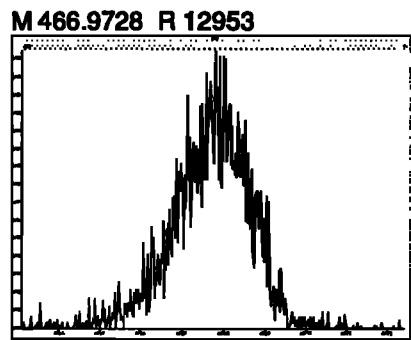
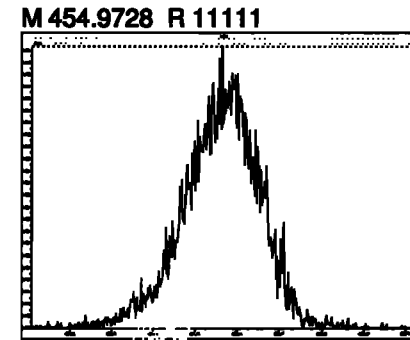
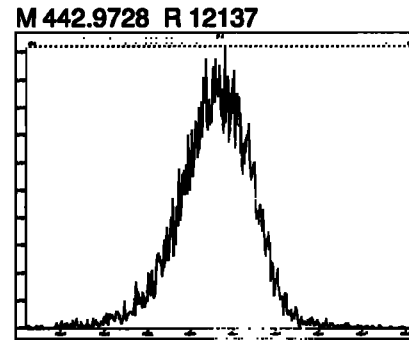
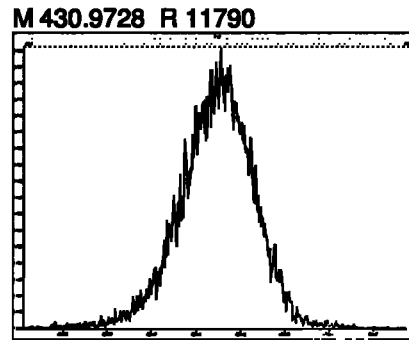
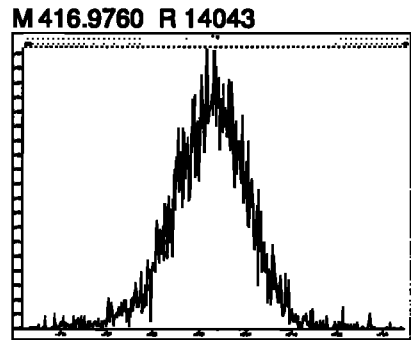


M 442.9728 R 11110



File: Experiment: PCB\_ZB1.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Monday, June 01, 2020 12:12:00 Pacific Daylight Time





Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_6-1-20.mdb 02 Jun 2020 10:38:07

Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-6-1-20.cdb 02 Jun 2020 10:21:16

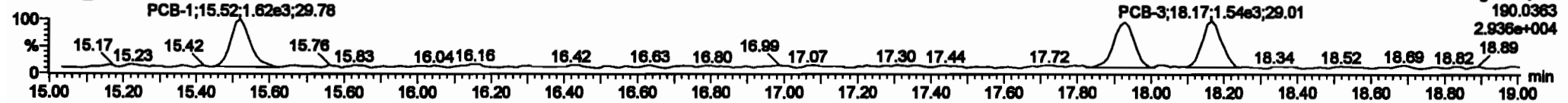
Name: 200601K1\_1, Date: 01-Jun-2020, Time: 12:15:03, ID: ST200601K1-1 PCB 209 CS0 19G2606, Description: PCB 209 CS0 19G2606

PCB-1

200601K1\_1



200601K1\_1

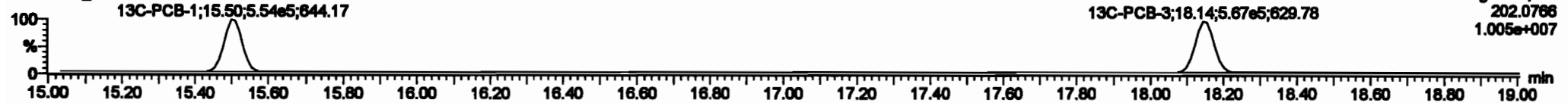


13C-PCB-1

200601K1\_1

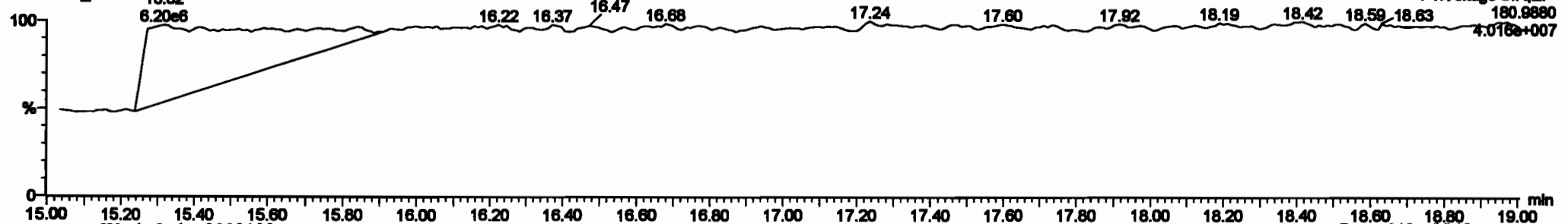


200601K1\_1



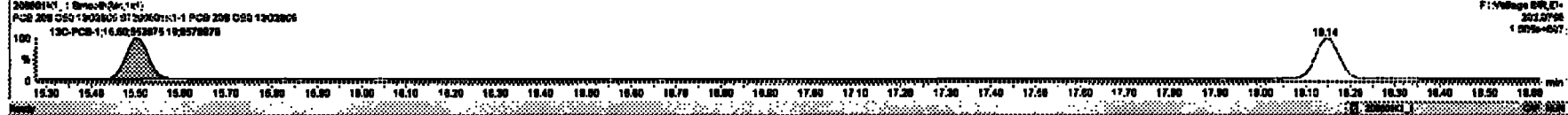
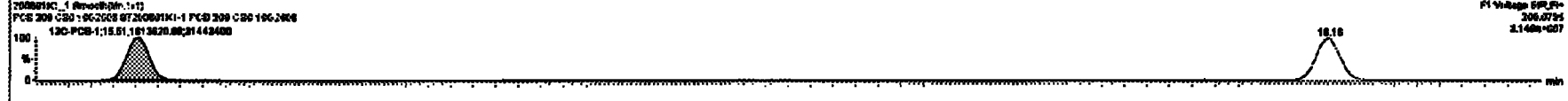
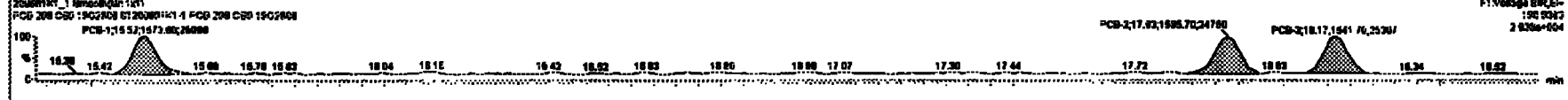
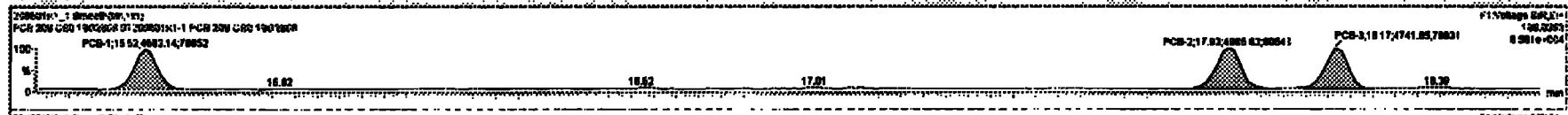
PFK1

200601K1\_1



PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB
216	13C-PCB-40	1.80e6	0.70	NO	1.0000	1.000	30.00	30.00	1.000	0.000	NO	100.0	100	0.0000
216	13C-PCB-411	1.00e6	1.02	NO	1.0000	1.000	30.25	30.25	1.000	0.000	NO	100.0	100	0.0016
217	13C-PCB-439	0.47e6	1.28	NO	1.0000	1.000	40.00	40.00	1.000	0.000	NO	100.0	100	0.0004
218	13C-PCB-482	0.00e6	0.48	NO	1.0000	1.000	40.43	40.43	0.000	0.000	NO	100.0	100	0.0010
218	13C-PCB-205	0.00e6	0.00	NO	1.0000	1.000	64.00	64.00	1.000	0.000	NO	100.0	100	0.140
220	13C-PCB-78	1.00e6	0.70	NO	1.0000	1.000	37.70	37.70	1.000	1.000	NO	102.2	102	0.0007
221	13C-PCB-176	0.00e6	0.48	NO	0.7000	1.000	40.00	40.00	0.000	0.000	NO	101.5	101	0.0000
222	13C-PCB-78	1.00e6	0.70	NO	1.0021	1.000	37.70	37.70	0.000	0.000	NO	102.5	102	0.0000
222	13C-PCB-176	0.00e6	0.48	NO	1.0000	1.000	40.00	40.00	0.000	0.000	NO	101.0	100	0.0002
223	13C-PCB-78	1.00e6	0.70	NO	1.0000	1.000	37.70	37.70	1.000	1.000	NO	102.2	102	0.0000
223	13C-PCB-176	0.00e6	0.48	NO	1.0000	1.000	40.00	40.00	0.000	0.000	NO	101.0	100	0.0002
224	13C-PCB-78	1.00e6	0.70	NO	1.0000	1.000	37.70	37.70	1.000	1.000	NO	102.2	102	0.0000
224	13C-PCB-176	0.00e6	0.48	NO	1.0000	1.000	40.00	40.00	0.000	0.000	NO	101.0	100	0.0002
225	Total PCBs				1.0007	1.000	0.00	0.00	0.000	0.000	NO	2.076	2.076	
226	Total Function PCBs				1.0007	1.000	0.00	0.00	0.000	0.000	NO	1.000	1.000	

PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	
1	PCB-1	15.82	16.62	4.80e6	1.57e6	5.10	2.00	NO	0.2000	0.2000
2	PCB-2	17.20	17.60	4.00e6	1.00e6	5.10	3.10	NO	0.20100	0.20077
3	PCB-3	18.17	18.17	4.74e6	1.64e6	5.10	3.00	NO	0.20700	0.20000

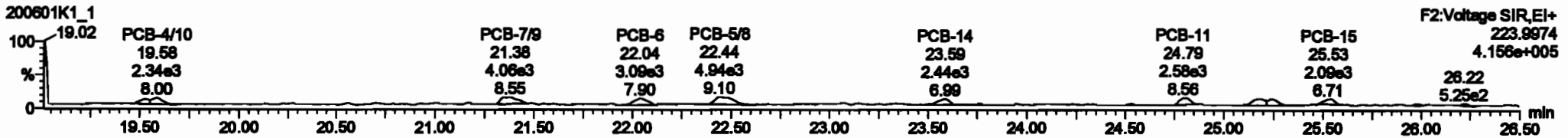
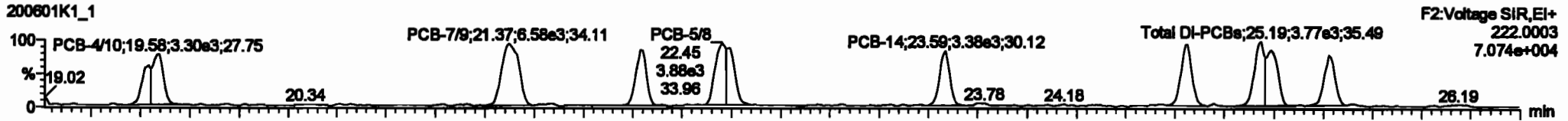


Dataset: Untitled

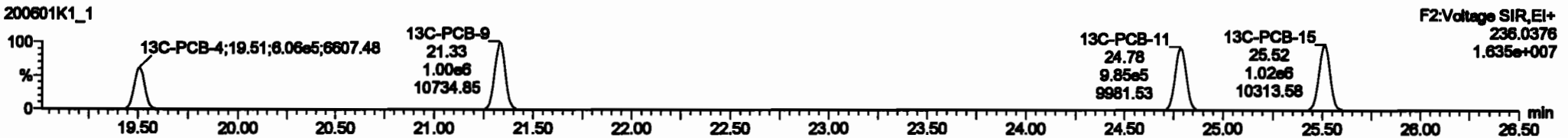
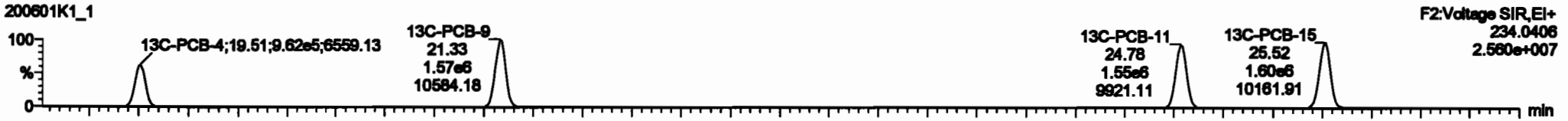
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_1, Date: 01-Jun-2020, Time: 12:15:03, ID: ST200601K1-1 PCB 209 CS0 19G2606, Description: PCB 209 CS0 19G2606

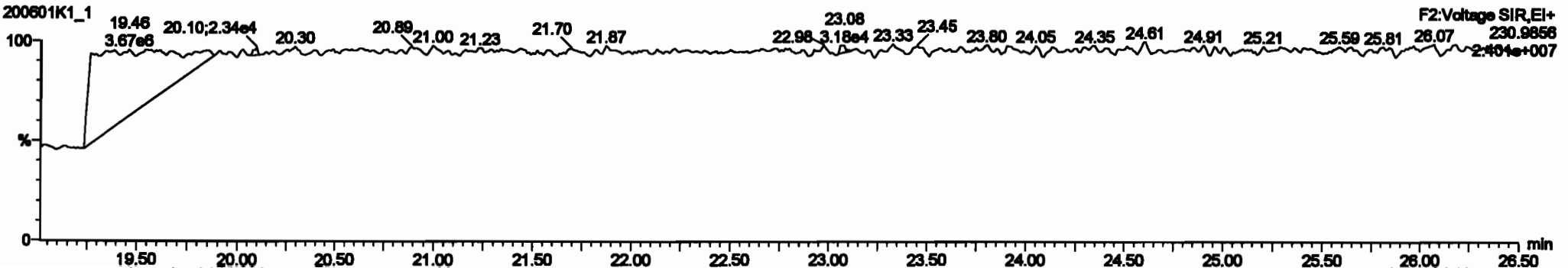
PCB-4/10



13C-PCB-4

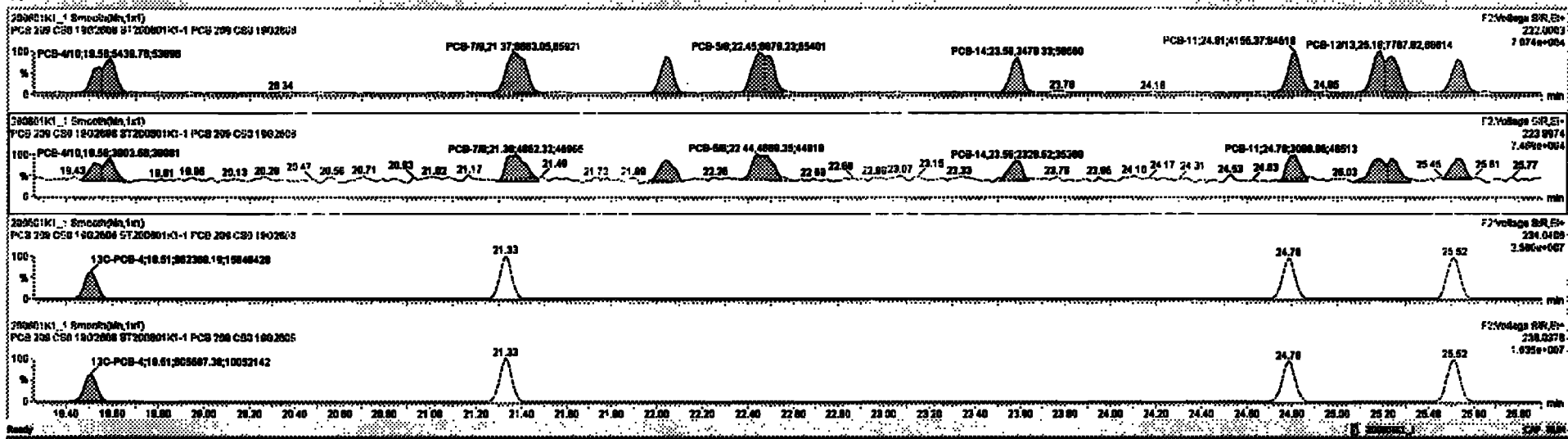


PFK2a



PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB
216	13C-PCB-88	1.82e6	0.78	NO	1.82000	1.000	38.88	38.88	1.800	0.000	NO	180.0	180	0.0808				
216	13C-PCB-111	1.82e6	1.82	NO	1.82000	1.000	38.25	38.25	1.800	0.000	NO	180.0	180	0.0915				
217	13C-PCB-128	8.47e6	1.28	NO	1.82000	1.000	48.80	48.80	1.800	0.000	NO	180.0	180	0.0884				
218	13C-PCB-162	8.89e6	0.48	NO	1.82000	1.000	48.43	48.43	0.000	0.000	NO	100.0	100	0.0818				
219	13C-PCB-208	8.89e6	0.80	NO	1.82000	1.000	64.88	64.88	1.000	0.000	NO	100.0	100	0.148				
220	13C-PCB-78	1.82e6	0.78	NO	1.82000	1.000	37.78	37.78	1.000	1.000	NO	102.2	102	0.0887				
221	13C-PCB-178	8.89e6	0.48	NO	0.78000	1.000	46.87	46.87	0.888	0.888	NO	101.8	101	0.0828				
222	13C-PCB-78	1.82e6	0.78	NO	1.82000	1.000	37.78	37.78	0.888	0.888	NO	102.8	102	0.0888				
223	13C-PCB-178	8.89e6	0.48	NO	1.82000	1.000	46.87	46.87	0.823	0.823	NO	101.8	102	0.0882				
224	Total Micro-PCBs				1.82000	1.000	0.00	0.00			NO	0.833		0.0248	0.8330			
225	Total PCBs										NO	1.820		0.404	1.820			
226	Total Fraction TMs PCBs				1.82000	1.000	0.00	0.00			NO	1.820						

PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB
4	PCB-478	19.88	19.88	5.41e3	1.80e3	1.800	1.38	NO	0.47700	0.47744								
5	PCB-78	21.33	21.33	8.89e3	4.88e3	1.800	1.37	NO	0.48700	0.48882								
6	PCB-9	22.08	22.04	3.78e3	2.79e3	1.800	1.38	NO	0.24880	0.24882								
7	PCB-58	22.44	22.45	8.87e3	4.88e3	1.800	1.47	NO	0.48200	0.48247								
8	PCB-14	23.88	23.88	3.47e3	2.32e3	1.800	1.48	NO	0.22880	0.22843								
9	PCB-11	24.80	24.81	4.18e3	3.08e3	1.800	1.34	NO	0.28400	0.28438								
10	PCB-1283	26.29	26.18	7.78e3	6.78e3	1.800	1.38	NO	0.81880	0.81880								
11	PCB-15	26.64	26.63	3.82e3	2.81e3	1.800	1.48	NO	0.23100	0.23088								

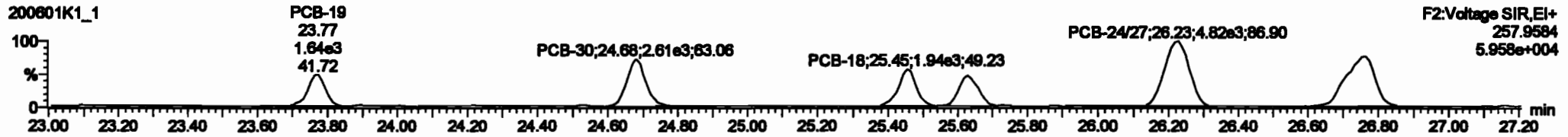
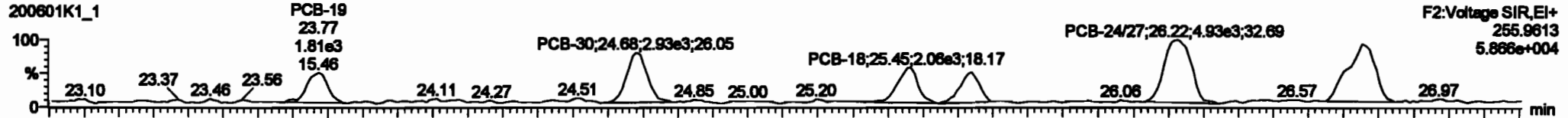


Dataset: Untitled

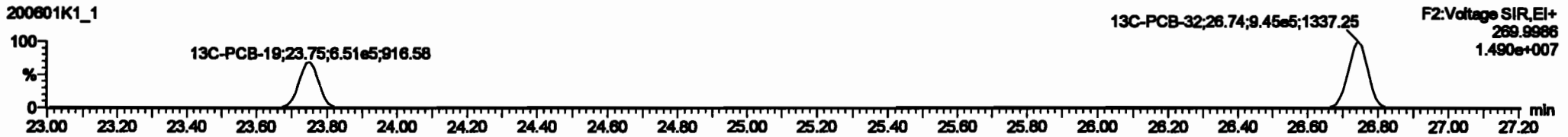
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_1, Date: 01-Jun-2020, Time: 12:15:03, ID: ST200601K1-1 PCB 209 CS0 19G2606, Description: PCB 209 CS0 19G2606

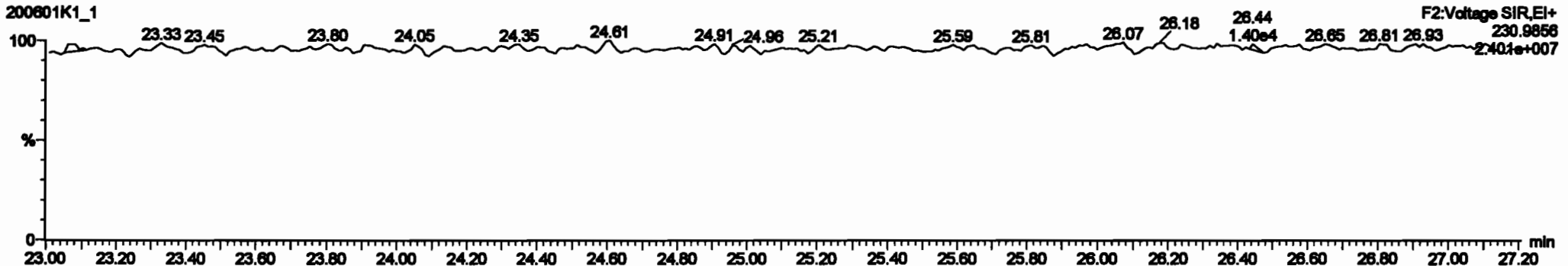
**PCB-19**



**13C-PCB-19**

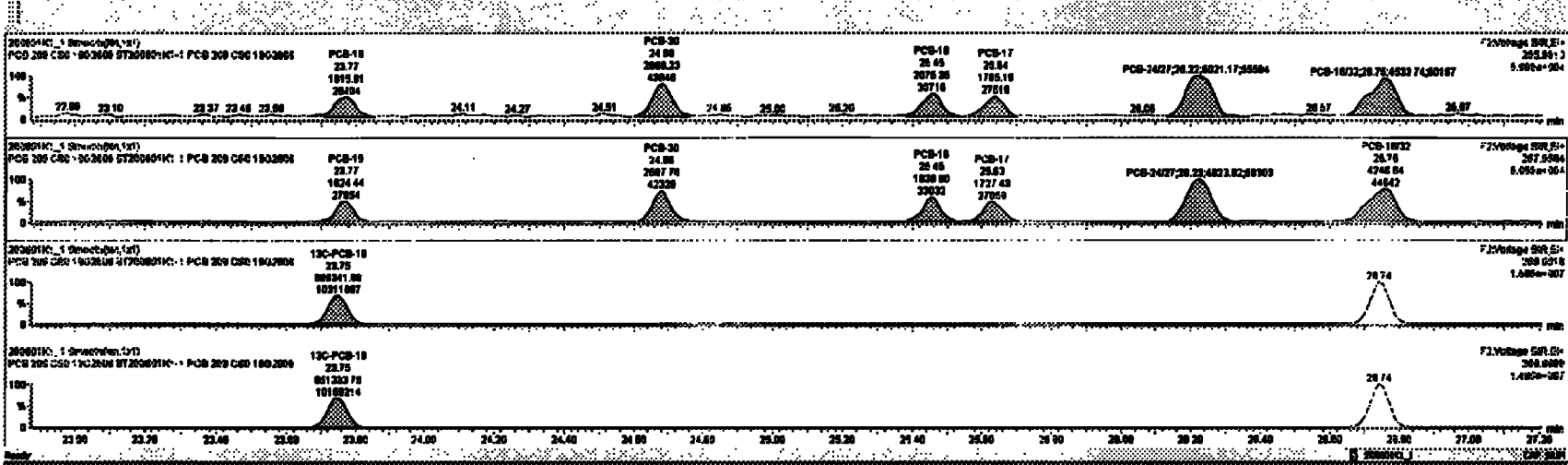


**PFK2b**



Peak	Time	Area	Height	Width	Height	Area	Height	Width	Height	Area	Height	Width	Height	Area	Height	Width	Height
216	13C-PCB-19	1.07e6	0.70	NO	1.0000	1.000	20.00	20.00	1.000	0.000	NO	100.0	100	0.0000			
218	13C-PCB-111	1.07e6	1.02	NO	1.0000	1.000	20.25	20.25	1.000	0.000	NO	100.0	100	0.0016			
217	13C-PCB-128	0.07e6	1.20	NO	1.0000	1.000	40.00	40.00	1.000	0.000	NO	100.0	100	0.0004			
218	13C-PCB-167	0.08e6	0.40	NO	1.0000	1.000	40.40	40.40	0.000	0.000	NO	100.0	100	0.0010			
216	13C-PCB-205	0.08e6	0.80	NO	1.0000	1.000	80.80	80.80	1.000	0.000	NO	100.0	100	0.140			
200	13C-PCB-79	1.00e6	0.70	NO	1.0000	1.000	27.70	27.70	1.000	1.000	NO	100.0	100	0.0007			
201	13C-PCB-170	0.00e6	0.40	NO	0.7000	1.000	40.40	40.40	0.000	0.000	NO	100.0	100	0.0000			
200	13C-PCB-79	1.00e6	0.70	NO	1.0000	1.000	27.70	27.70	0.000	0.000	NO	100.0	100	0.0000			
100	13C-PCB-170	0.00e6	0.40	NO	1.0000	1.000	40.40	40.40	0.000	0.000	NO	100.0	100	0.0000			
200	Total Mono-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	0.0000	0.0000	0.0000			
200	Total Di-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	2.0000	0.0000	0.0000			

Peak	Time	Area	Height	Width	Height	Area	Height	Width	Height	Area	Height	Width	Height	Area	Height	Width	Height
13	PCB-18	20.70	23.77	1.07e6	1.07e6	1.000	1.12	NO	0.20000	0.20000							
13	PCB-30	24.00	24.00	2.00e6	2.00e6	1.000	1.15	NO	0.20000	0.20010							
14	PCB-18	20.40	20.40	2.00e6	1.90e6	1.000	1.07	NO	0.20000	0.20011							
15	PCB-17	20.00	20.00	1.70e6	1.70e6	1.000	1.06	NO	0.20000	0.20000							
16	PCB-2427	20.20	20.22	5.00e6	4.00e6	1.000	1.01	NO	0.07000	0.07000							
17	PCB-1832	20.70	20.70	4.00e6	4.00e6	1.000	1.07	NO	0.00000	0.00000							

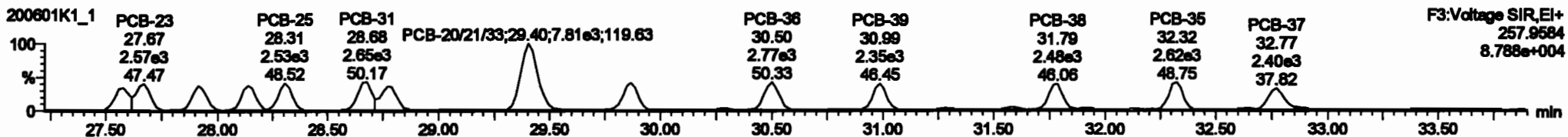
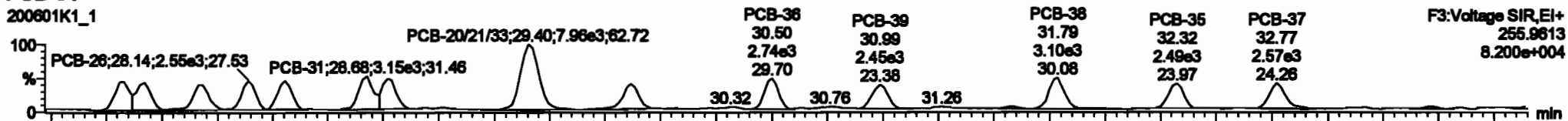


Dataset: Untitled

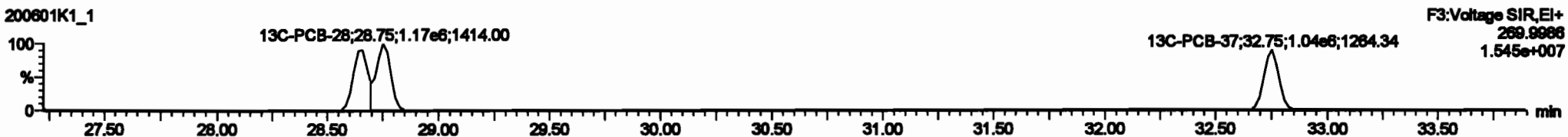
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_1, Date: 01-Jun-2020, Time: 12:15:03, ID: ST200601K1-1 PCB 209 CS0 19G2606, Description: PCB 209 CS0 19G2606

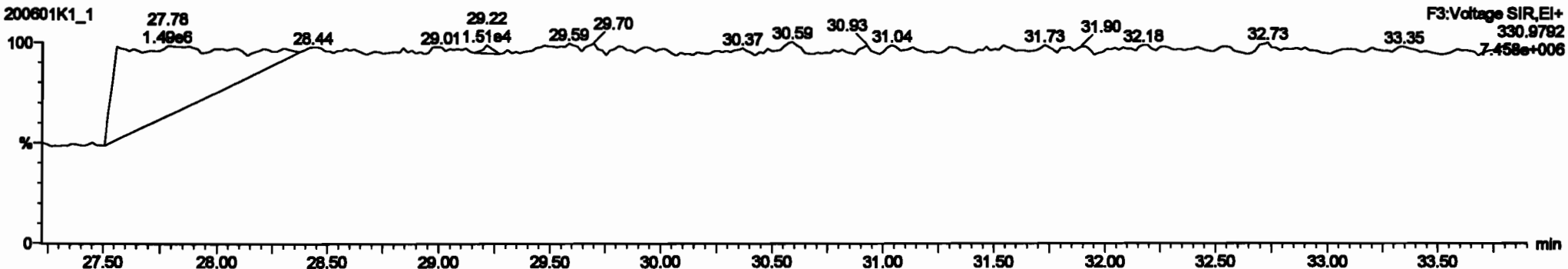
**PCB-34**



**13C-PCB-28**

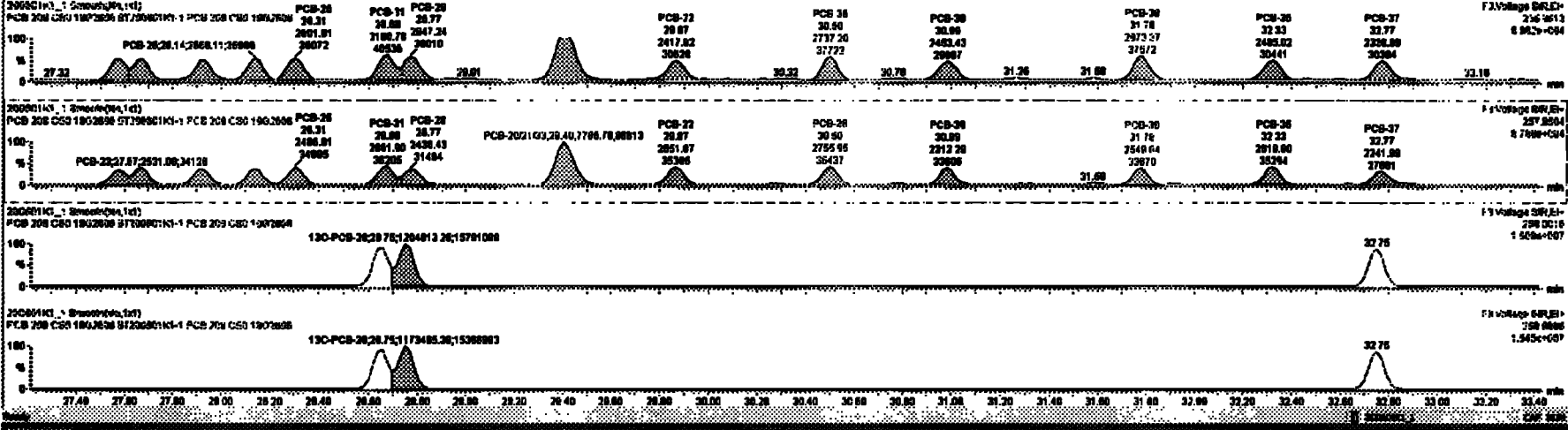


**PFK3d**



PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB
228	Total Total-PCBs			1.0770	1.000	0.00	0.000	NO	0.017	0.267	0.017							
229	2nd Function Ports-PCBs			1.2157	1.000	0.00	0.000	NO	0.000	0.310	0.000							
230	4th Function Ports-PCBs			1.0725	1.000	0.00	0.000	NO	1.140	0.000	1.140							
231	2nd Function Hubs-PCBs			0.0000	1.000	0.00	0.000	NO	3.400	0.000	3.400							
232	4th Function Hubs-PCBs			1.0010	1.000	0.00	0.000	NO	0.001	0.100	0.001							
233	Total Hubs-PCBs			1.2091	1.000	0.00	0.000	NO	0.000	0.220	0.000							
234	4th Function Data-PCBs			1.0000	1.000	0.00	0.000	NO	2.100	0.074	2.100							
235	8th Function Data-PCBs			1.1400	1.000	0.00	0.000	NO	0.720	0.000	0.720							
236	Total Data-PCBs			0.0000	1.000	0.00	0.000	NO	0.710	0.000	0.710							
237	Total PCBs			0.0004	1.000	0.00	0.000	NO	0.230	0.000	0.230							

PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB
18	PCB-24			27.88	27.88	2.0200	2.0000	1.000	1.14	NO	0.2100	0.2100						
19	PCB-29			27.88	27.87	2.0140	2.0140	1.000	1.00	NO	0.2000	0.2000						
20	PCB-20			27.91	27.91	2.0000	2.0000	1.000	1.11	NO	0.2000	0.2000						
21	PCB-20			28.14	28.14	2.0000	2.0000	1.000	1.00	NO	0.2000	0.2000						
22	PCB-20			28.20	28.20	2.0000	2.0000	1.000	1.13	NO	0.2000	0.2000						
23	PCB-31			28.00	28.00	2.0000	2.0000	1.000	1.10	NO	0.2000	0.2000						
24	PCB-20			28.77	28.77	2.0000	2.0000	1.000	1.17	NO	0.2100	0.2100						
25	PCB-20/28			28.41	28.40	2.0000	2.0000	1.000	1.00	NO	0.0000	0.0000						
26	PCB-29			28.00	28.00	2.0000	2.0000	1.000	0.00	NO	0.2100	0.2100						



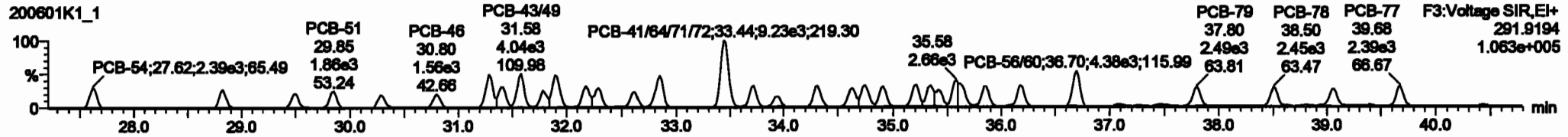
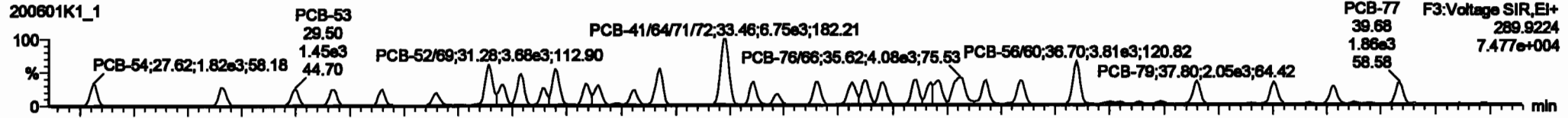


Dataset: Untitled

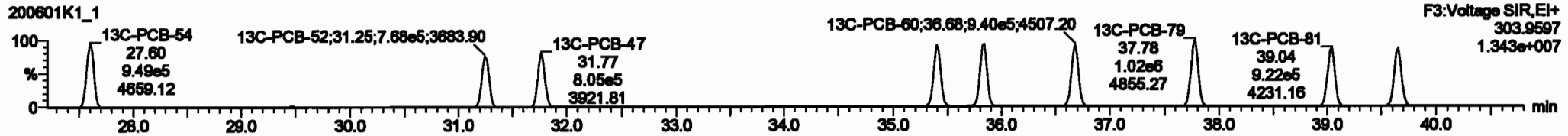
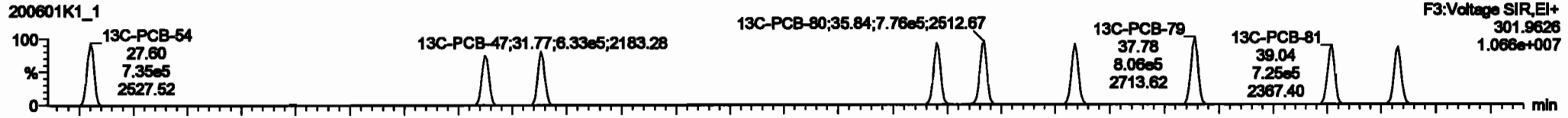
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_1, Date: 01-Jun-2020, Time: 12:15:03, ID: ST200601K1-1 PCB 209 CS0 19G2606, Description: PCB 209 CS0 19G2606

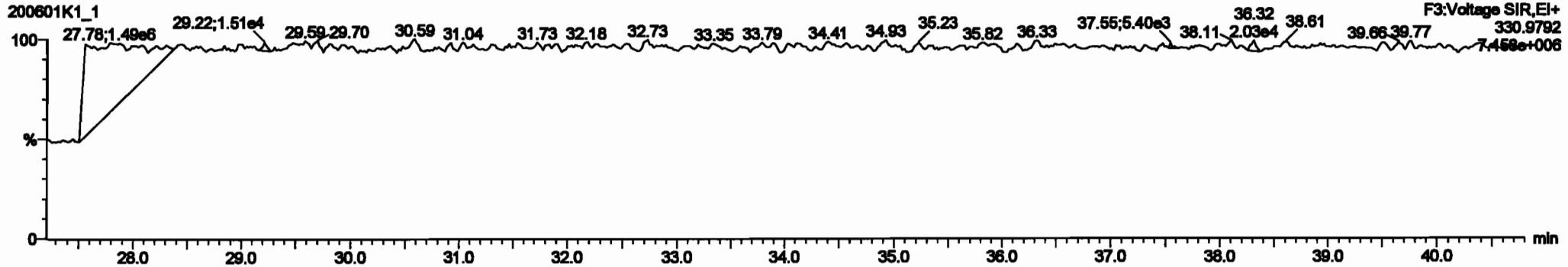
PCB-54



13C-PCB-54



PFK3a



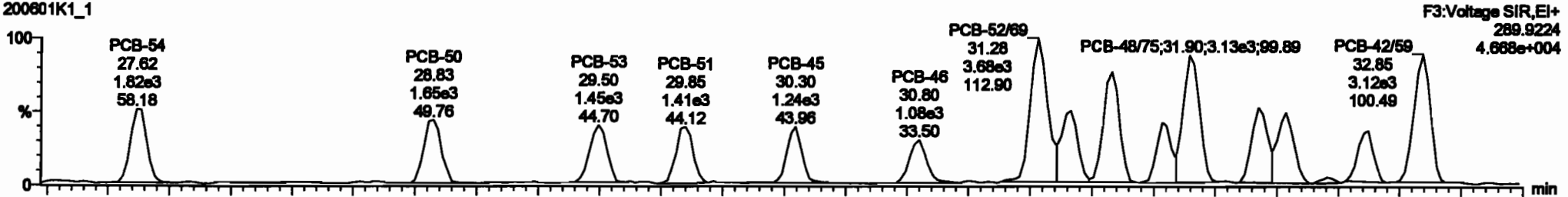
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

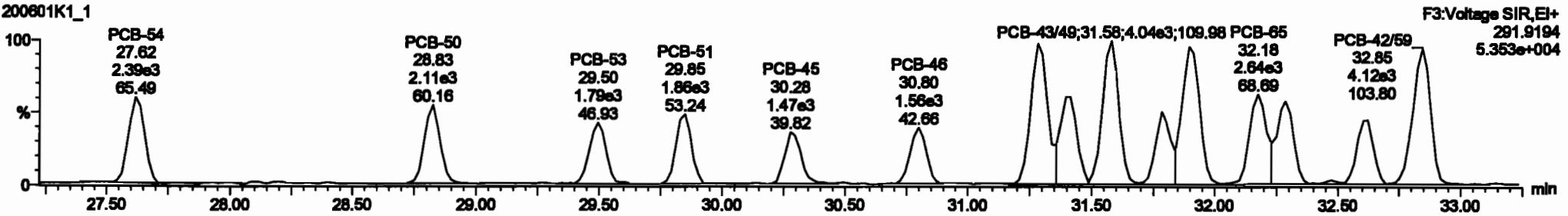
Name: 200601K1\_1, Date: 01-Jun-2020, Time: 12:15:03, ID: ST200601K1-1 PCB 209 CS0 19G2606, Description: PCB 209 CS0 19G2606

PCB-50

200601K1\_1

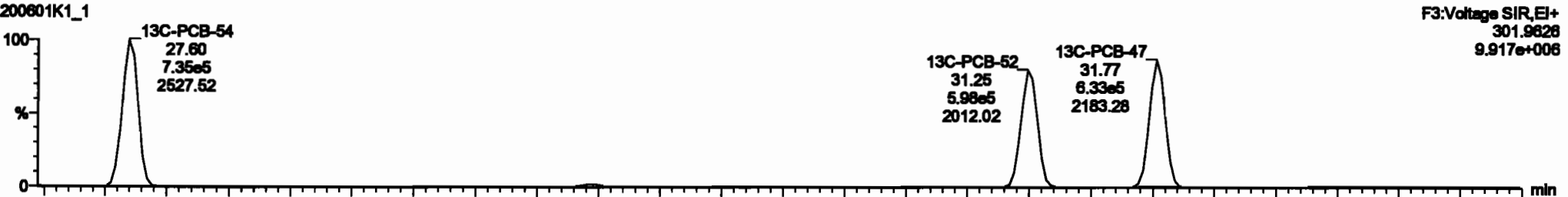


200601K1\_1

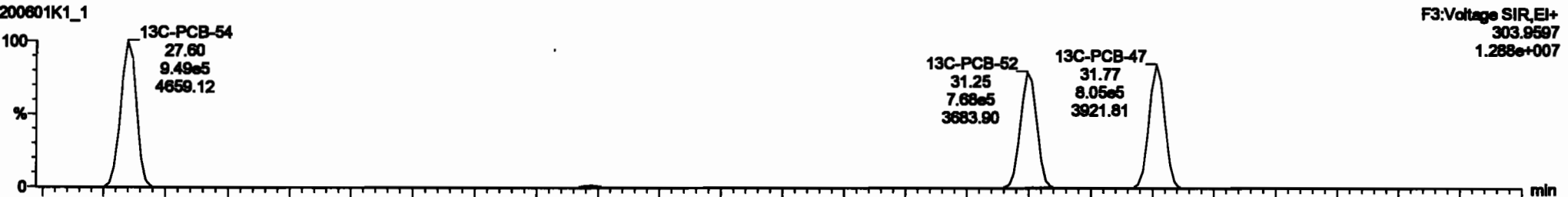


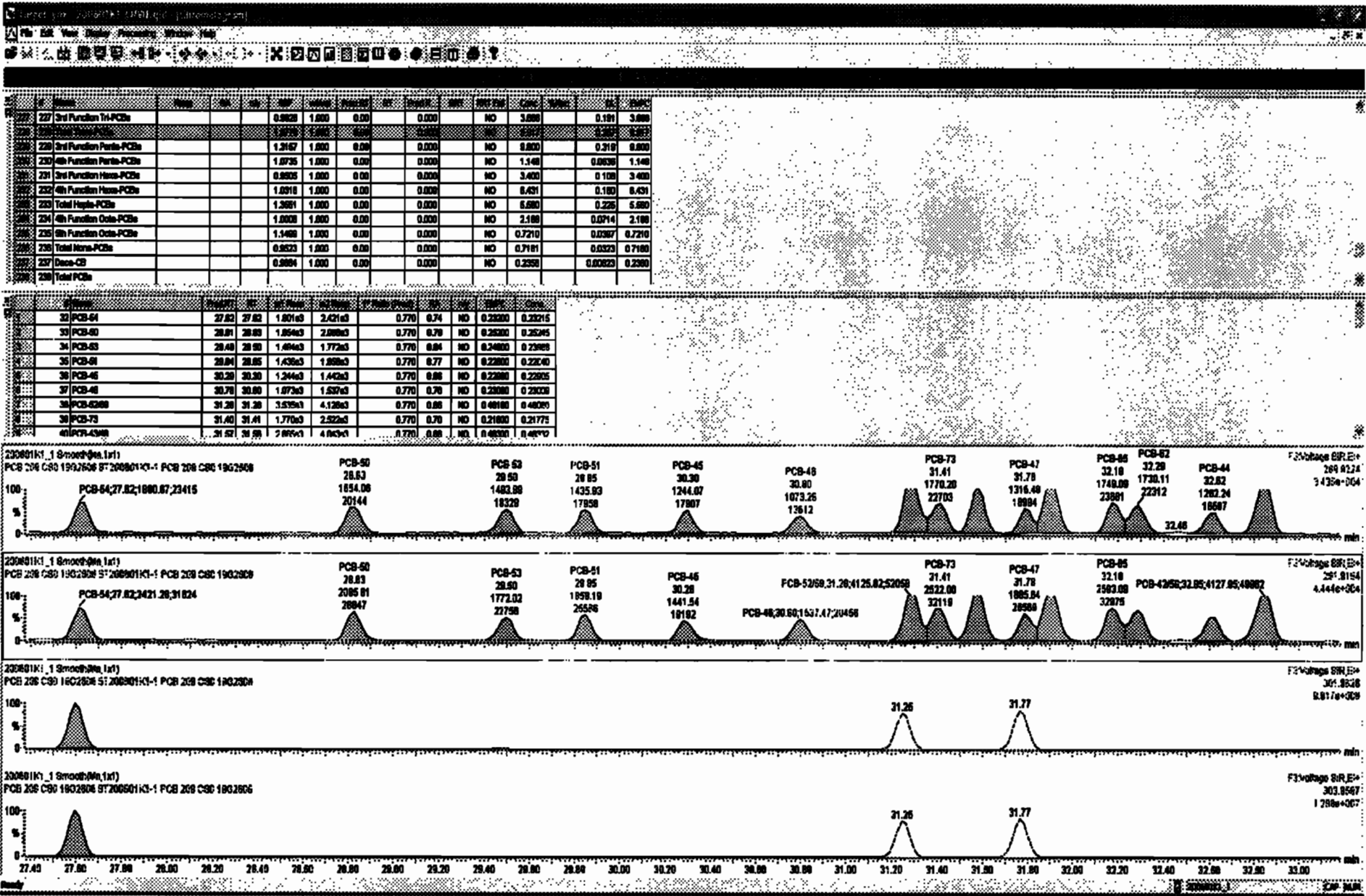
13C-PCB-52

200601K1\_1



200601K1\_1



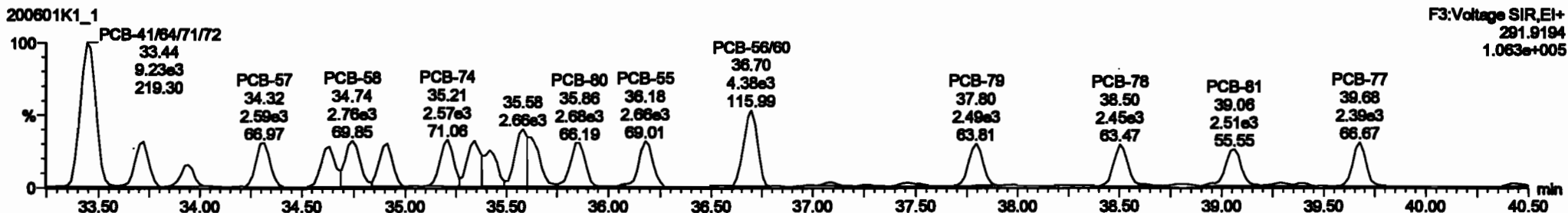
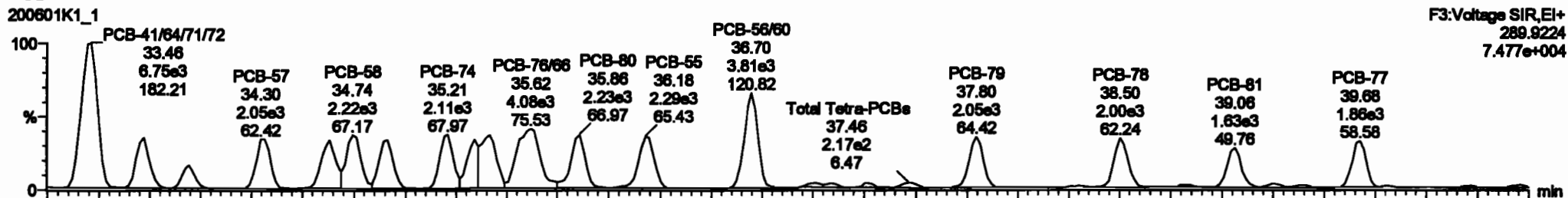


Dataset: Untitled

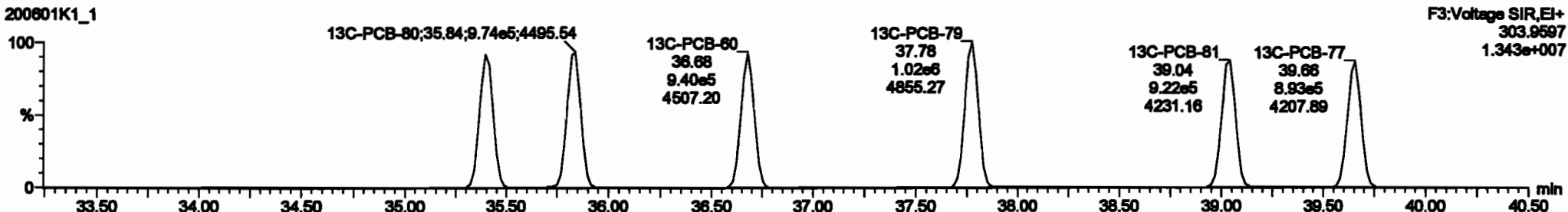
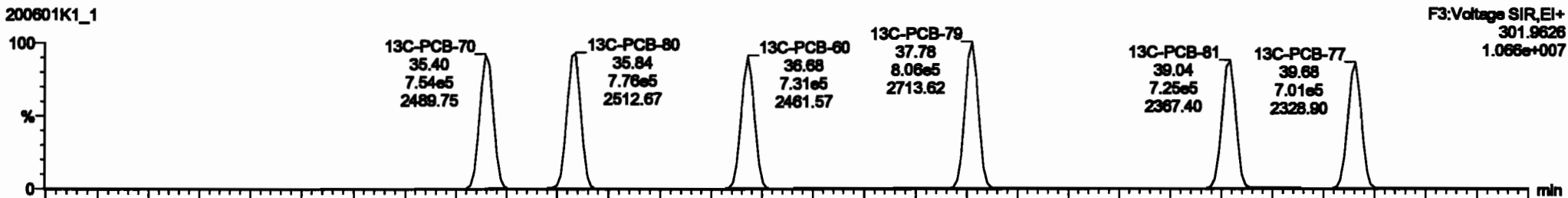
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_1, Date: 01-Jun-2020, Time: 12:15:03, ID: ST200601K1-1 PCB 209 CS0 19G2606, Description: PCB 209 CS0 19G2606

PCB-68

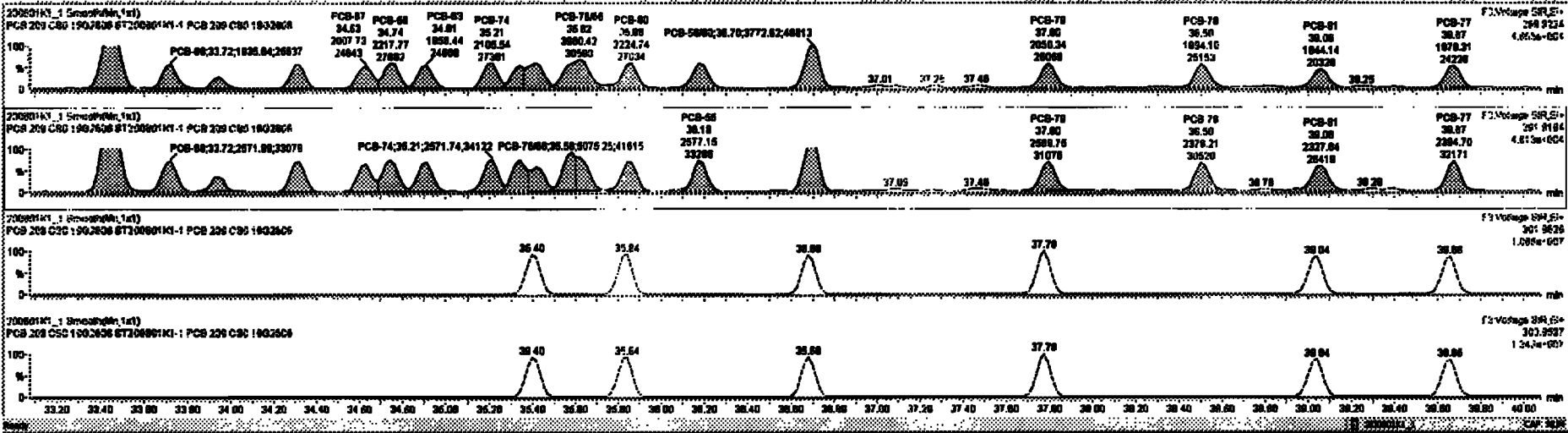


13C-PCB-60



QTY	DESCRIPTION	UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT
227	3rd Function 1M-PCBs		0.000	1.000	0.00	0.00	NO	3.000	0.101	1.000		
228	3rd Function Parts-PCBs		1.2167	1.000	0.00	0.00	NO	0.000	0.213	0.000		
229	4th Function Parts-PCBs		1.0726	1.000	0.00	0.00	NO	1.540	0.000	1.140		
230	3rd Function Hous-PCBs		0.0000	1.000	0.00	0.00	NO	3.400	0.100	3.400		
231	4th Function Hous-PCBs		1.0310	1.000	0.00	0.00	NO	0.431	0.100	0.431		
232	Total Hous-PCBs		1.3081	1.000	0.00	0.00	NO	3.830	0.220	3.830		
233	4th Function Oute-PCBs		1.0000	1.000	0.00	0.00	NO	2.900	0.074	2.100		
234	3rd Function Oute-PCBs		1.1400	1.000	0.00	0.00	NO	0.720	0.007	0.720		
235	Total Hous-PCBs		0.0000	1.000	0.00	0.00	NO	0.710	0.023	0.710		
236	Total PCBs		0.0004	1.000	0.00	0.00	NO	0.200	0.002	0.200		

PCB No.	QTY	QTY	QTY	QTY	QTY	QTY	QTY	QTY	QTY	QTY	QTY	QTY
32 PCB-84	29.02	29.02	1.00e0	2.42e0	0.770	0.24	NO	0.2320	0.23218			
33 PCB-85	28.01	28.03	1.00e0	2.00e0	0.770	0.29	NO	0.2020	0.20240			
34 PCB-86	28.00	28.00	1.00e0	1.77e0	0.770	0.04	NO	0.2400	0.23000			
35 PCB-87	28.04	28.00	1.00e0	1.00e0	0.770	0.27	NO	0.2200	0.22040			
36 PCB-88	30.20	30.20	1.24e0	1.44e0	0.770	0.00	NO	0.2200	0.22000			
37 PCB-89	30.70	30.00	1.07e0	1.00e0	0.770	0.70	NO	0.2300	0.23000			
38 PCB-90	31.20	31.20	3.00e0	4.12e0	0.770	0.00	NO	0.4000	0.40000			
39 PCB-91	31.00	31.41	1.77e0	2.00e0	0.770	0.70	NO	0.2100	0.21770			
40 PCB-92	31.07	31.00	2.00e0	4.00e0	0.770	0.00	NO	0.4000	0.40000			

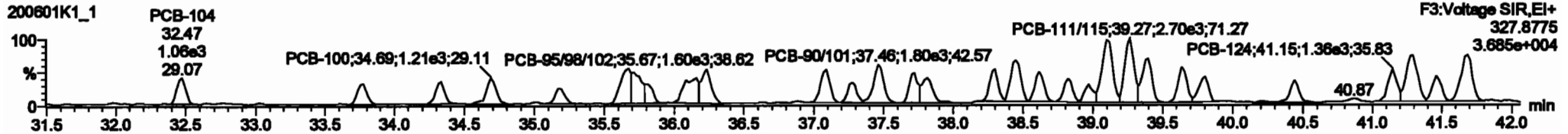
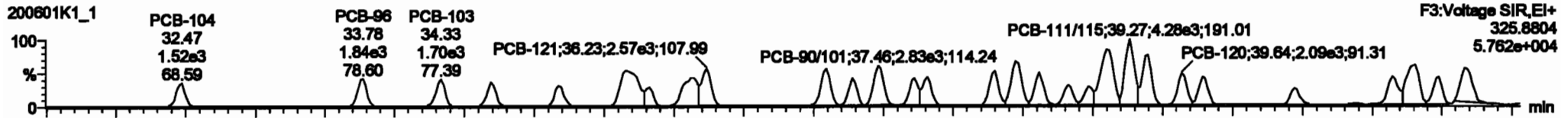


Dataset: Untitled

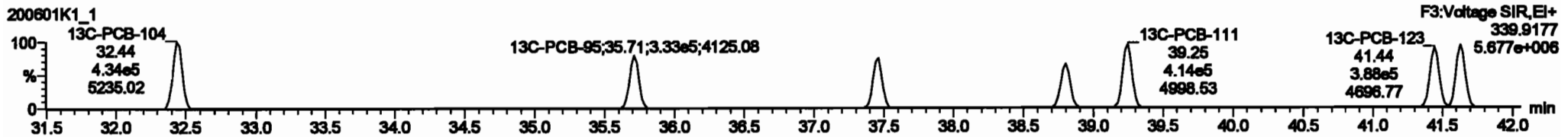
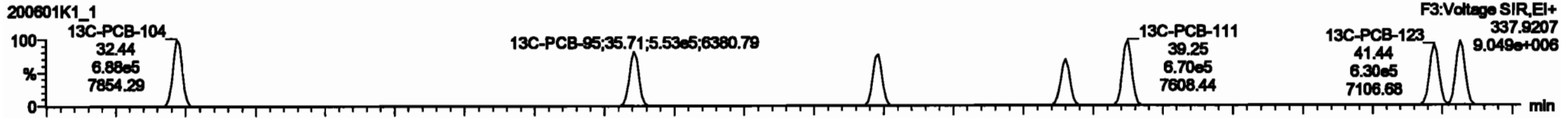
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_1, Date: 01-Jun-2020, Time: 12:15:03, ID: ST200601K1-1 PCB 209 CS0 19G2606, Description: PCB 209 CS0 19G2606

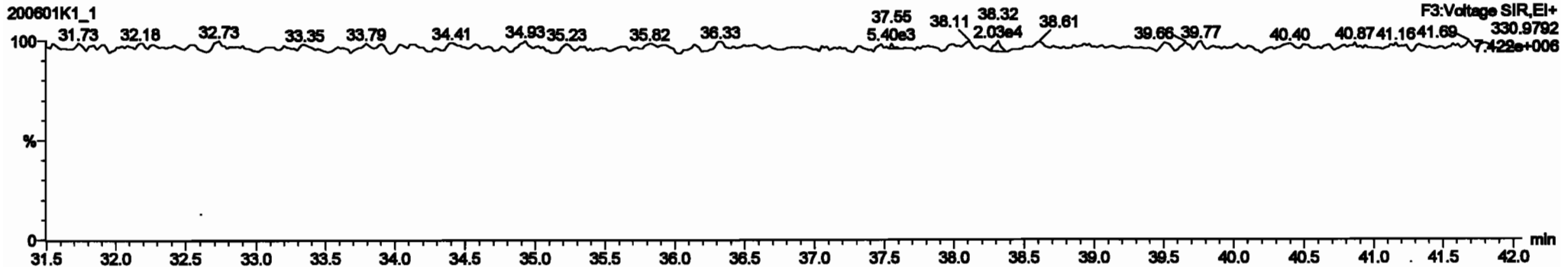
**PCB-104**



**13C-PCB-104**



**PFK3b**

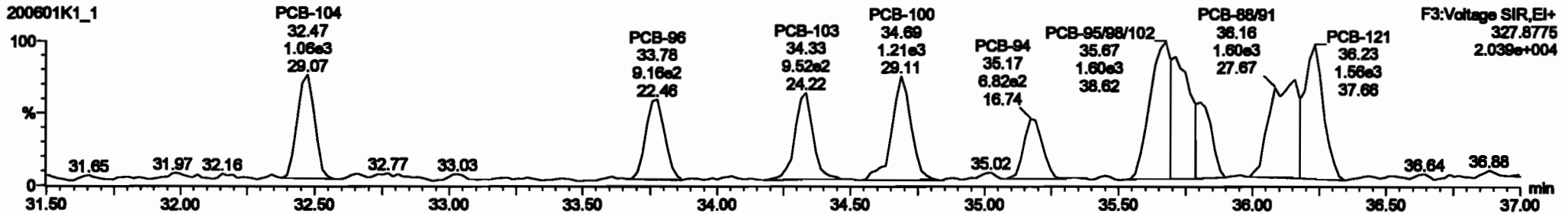
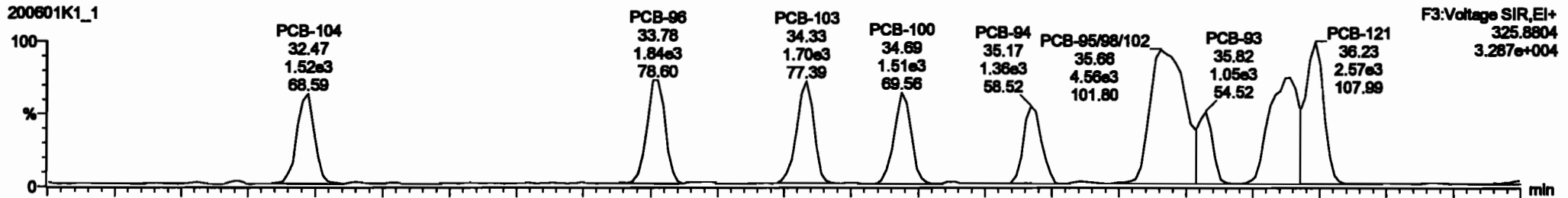


Dataset: Untitled

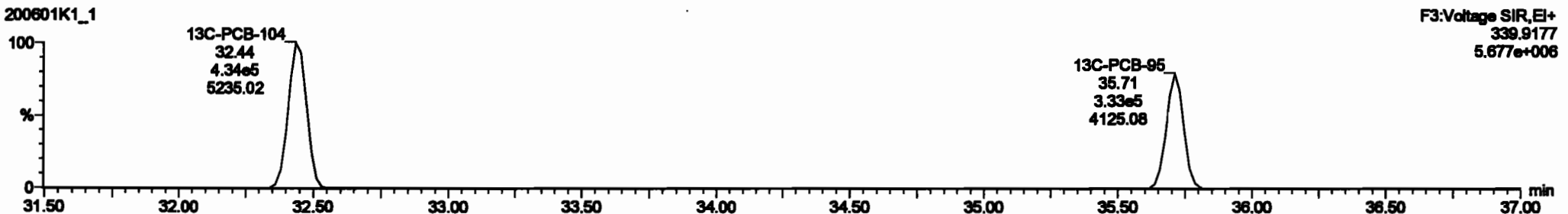
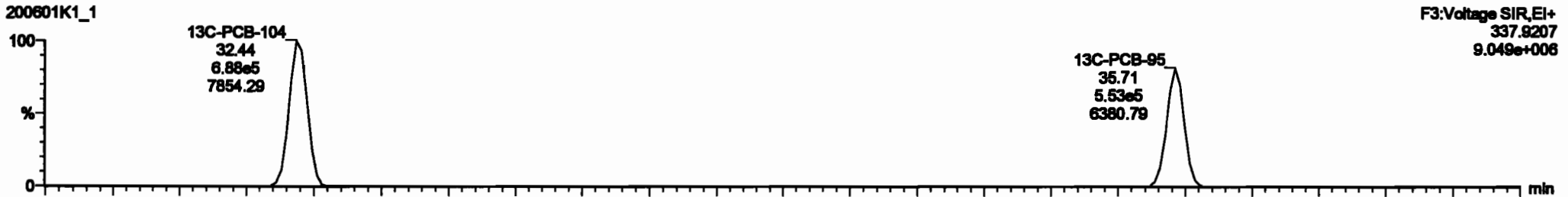
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_1, Date: 01-Jun-2020, Time: 12:15:03, ID: ST200601K1-1 PCB 209 CS0 19G2606, Description: PCB 209 CS0 19G2606

PCB-96

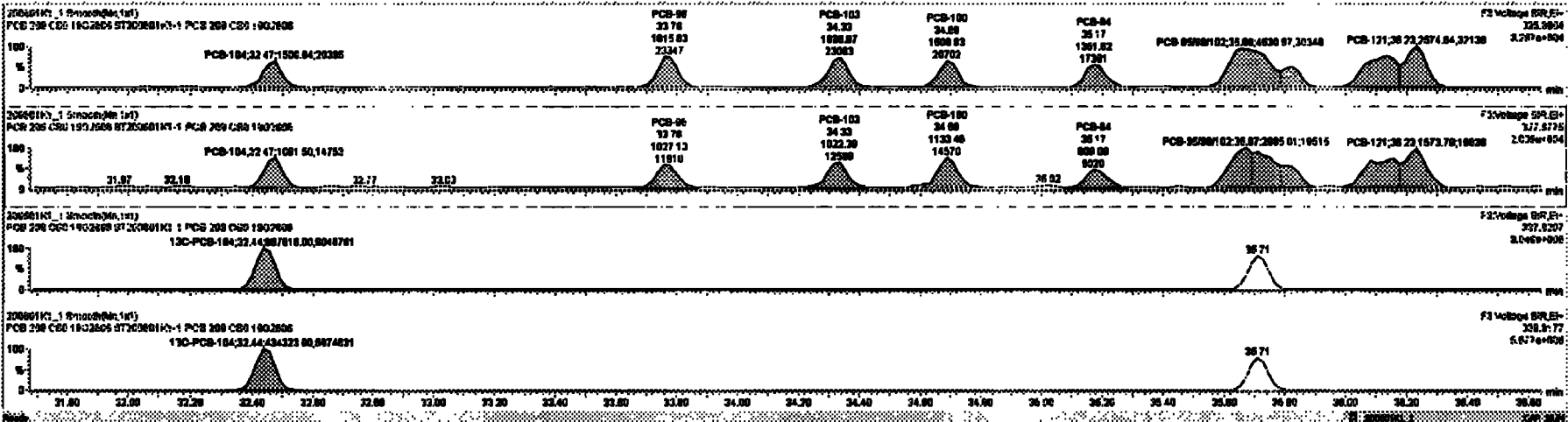


13C-PCB-95



Item	Mass	Area	Conc	Unit	Mass	Area	Conc	Unit	Mass	Area	Conc	Unit	
227 2nd Furthest TAP-PCBs					0.8928	1.000	0.00		0.000	NO	3.680	0.591	3.680
228 Total TAP-PCBs					1.0776	1.000	0.00		0.000	NO	8.917	0.287	8.917
229 3rd Furthest Para-PCBs					1.0726	1.000	0.00		0.000	NO	1.148	0.038	1.148
230 3rd Furthest Meta-PCBs					0.8928	1.000	0.00		0.000	NO	3.680	0.108	3.680
231 4th Furthest Para-PCBs					1.0318	1.000	0.00		0.000	NO	6.421	0.180	6.421
232 Total Para-PCBs					1.2691	1.000	0.00		0.000	NO	6.680	0.225	6.680
233 4th Furthest Ortho-PCBs					1.0000	1.000	0.00		0.000	NO	2.188	0.074	2.188
234 5th Furthest Ortho-PCBs					1.1480	1.000	0.00		0.000	NO	0.7210	0.087	0.7210
235 Total Meta-PCBs					0.8928	1.000	0.00		0.000	NO	0.2181	0.003	0.2180
236 Dioxin-CB					0.0000	1.000	0.00		0.000	NO	0.0000	0.0000	0.0000
237 Total PCBs													

Item	Peak #	RT	Area	Conc	Unit	Peak #	RT	Area	Conc	Unit
04 PCB-104	32.48	32.47	1.891e3	1.001e3	1.888	1.37	NO	0.20800	0.20800	
05 PCB-99	32.76	32.76	1.871e3	1.027e3	1.868	1.77	NO	0.22000	0.21957	
06 PCB-103	34.30	34.30	1.894e3	1.022e3	1.888	1.88	NO	0.28800	0.28877	
07 PCB-100	34.87	34.88	1.894e3	1.133e3	1.888	1.33	NO	0.24700	0.24676	
08 PCB-84	35.18	35.17	1.382e3	8.091e2	1.388	1.87	NO	0.28700	0.28888	
09 PCB-95/98/102	35.87	35.88	4.894e3	2.886e3	1.888	1.83	NO	0.70400	0.70414	
10 PCB-88	35.76	35.82	1.048e3	7.388e2	1.088	1.42	NO	0.21800	0.21812	
11 PCB-99/91	35.14	35.14	2.882e3	1.854e3	1.888	1.77	NO	0.48800	0.48882	
12 PCB-121	35.30	35.30	2.874e3	1.874e3	1.888	1.84	NO	0.27800	0.27882	





Dataset: Untitled

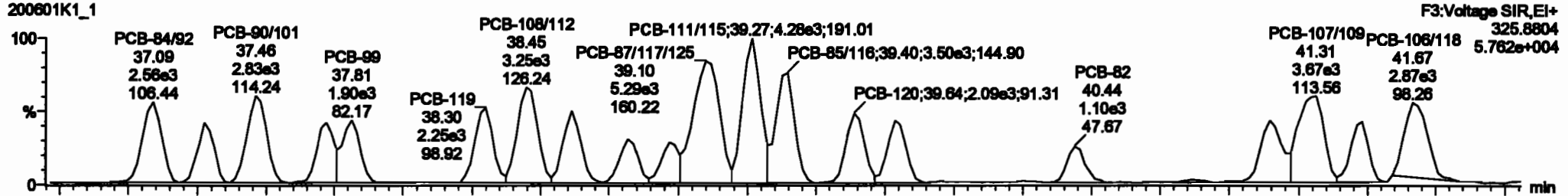
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

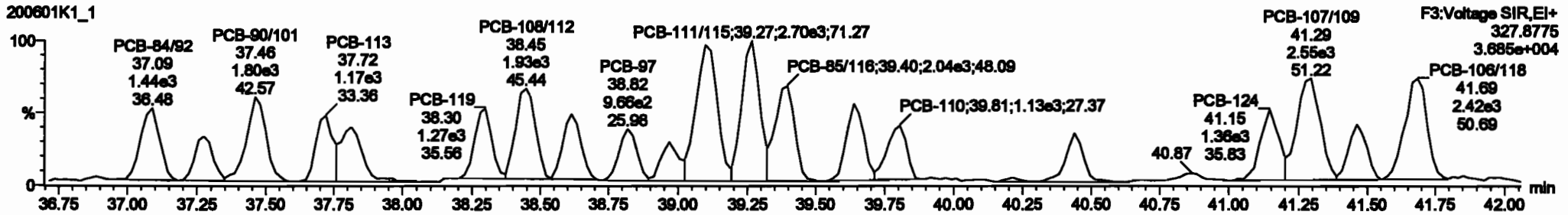
Name: 200801K1\_1, Date: 01-Jun-2020, Time: 12:15:03, ID: ST200801K1-1 PCB 209 CS0 19G2806, Description: PCB 209 CS0 19G2806

**PCB-119**

200801K1\_1

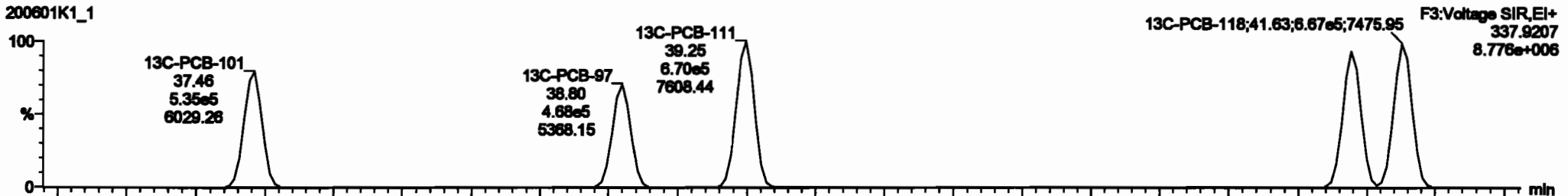


200801K1\_1

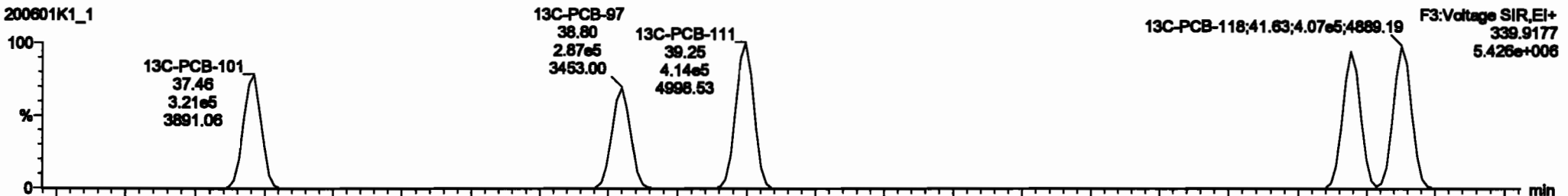


**13C-PCB-111**

200801K1\_1

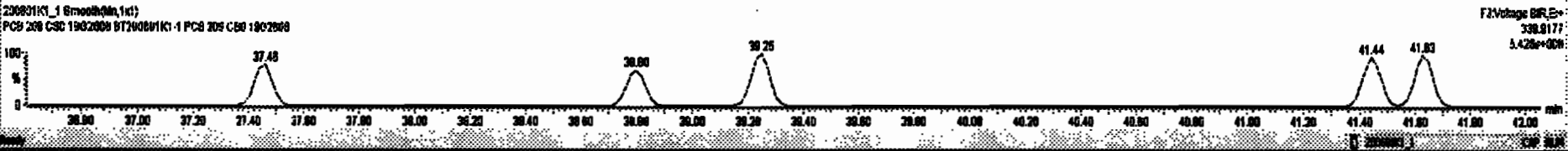
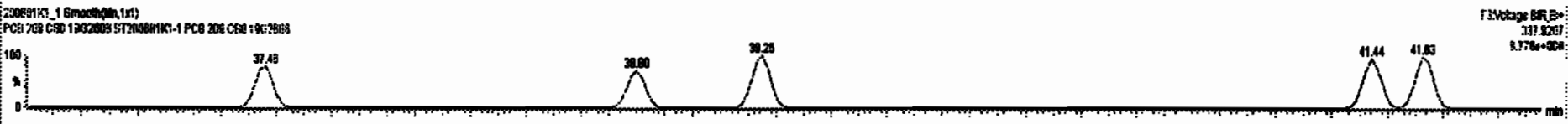
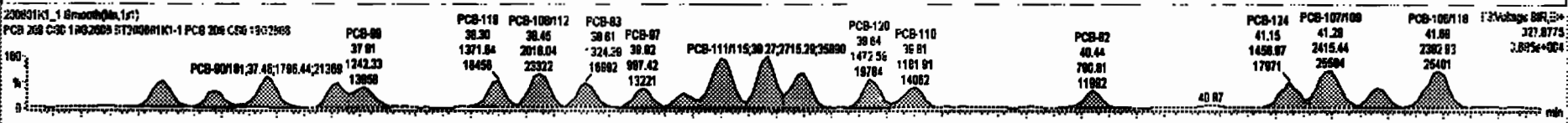
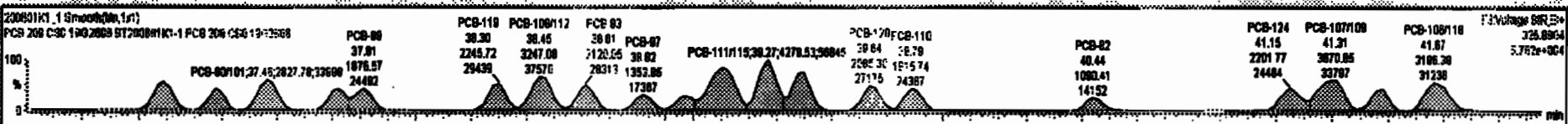


200801K1\_1



#	Name	Mass	RA	RG	RM	Volume	Height	Area	Height	Area	Height	Area	Height	Area	Height	Area
227	2nd Function T4-PCBs					0.0028	1.000	0.00	0.000	ND	3.000		0.191	3.000		
228	Total T4ns-PCBs					1.0778	1.000	0.00	0.000	ND	9.917		0.267	9.917		
229	3rd Function Para-PCBs					1.0957	1.000	0.00	0.000	ND	3.000		0.209	3.000		
230	4th Function Para-PCBs					1.0736	1.000	0.00	0.000	ND	1.140		0.0636	1.140		
231	2nd Function Haza-PCBs					0.0005	1.000	0.00	0.000	ND	3.000		0.100	3.000		
232	4th Function Haza-PCBs					1.0910	1.000	0.00	0.000	ND	0.431		0.100	0.431		
233	Total Haza-PCBs					1.0901	1.000	0.00	0.000	ND	5.900		0.225	5.900		
234	4th Function Octa-PCBs					1.0008	1.000	0.00	0.000	ND	2.100		0.0714	2.100		
235	5th Function Octa-PCBs					1.1400	1.000	0.00	0.000	ND	0.7210		0.0307	0.7210		
236	Total Haza-PCBs					0.0023	1.000	0.00	0.000	ND	0.7101		0.0023	0.7100		
237	Deca-CB					0.0004	1.000	0.00	0.000	ND	0.2000		0.0000	0.2000		
238	Total PCBs															

#	Name	Peak #	RT	Area	Height	Area	Height	Area	Height	Area	Height	Area	Height
84	PCB-104	32.48	32.47	1.500e3	1.091e3	1.500	1.37	ND	0.2000	0.2000			
85	PCB-88	33.78	33.78	1.046e3	1.022e3	1.500	1.37	ND	0.2000	0.2100			
86	PCB-103	34.30	34.33	1.007e3	1.022e3	1.500	1.05	ND	0.2000	0.2007			
87	PCB-100	34.67	34.69	1.507e3	1.133e3	1.500	1.33	ND	0.2470	0.24075			
88	PCB-84	35.10	35.17	1.352e3	0.801e3	1.500	1.07	ND	0.2570	0.25000			
89	PCB-89/89/102	35.67	35.66	4.531e3	2.905e3	1.500	1.52	ND	0.7040	0.70414			
70	PCB-80	36.70	36.82	1.040e3	7.300e2	1.500	1.42	ND	0.2100	0.21012			
71	PCB-89/81	38.14	38.14	2.022e3	1.054e3	1.500	1.37	ND	0.4050	0.40402			
72	PCB-121	38.23	38.23	7.575e3	1.574e3	1.500	1.04	ND	0.2740	0.27302			

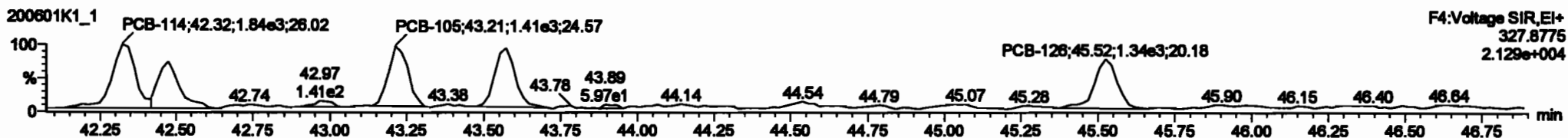
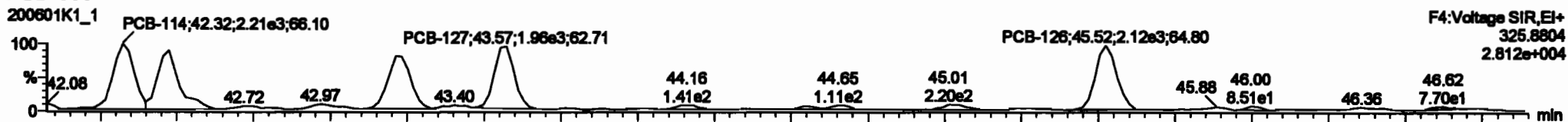


Dataset: Untitled

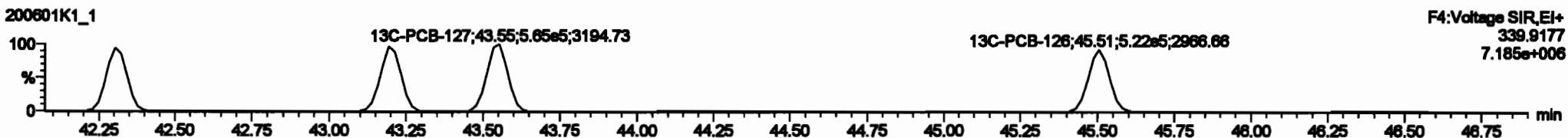
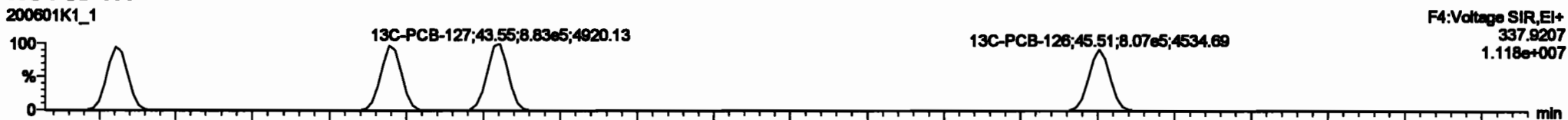
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_1, Date: 01-Jun-2020, Time: 12:15:03, ID: ST200601K1-1 PCB 209 CS0 19G2606, Description: PCB 209 CS0 19G2606

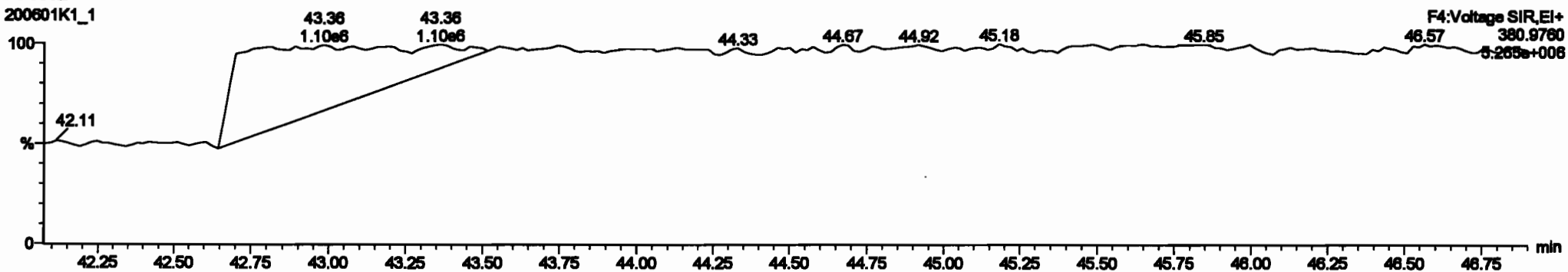
**PCB-114**



**13C-PCB-114**

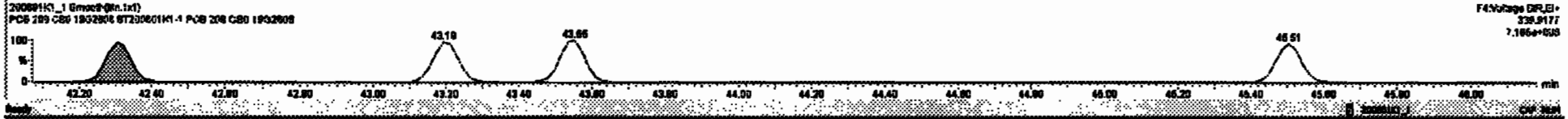
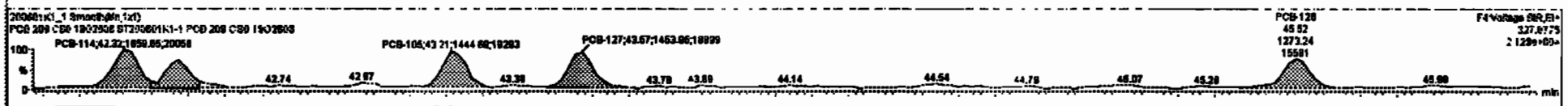
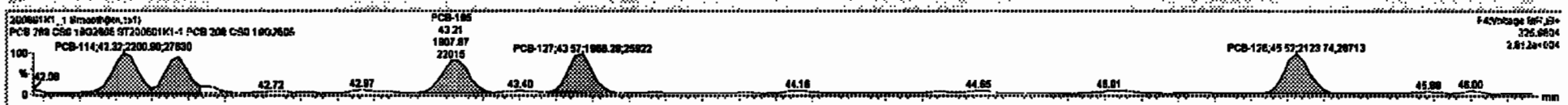


**PFK4a**



#	Mass	Area	Int	Ref	Conc	Unit	Mass	Int	Ref	Conc	Unit	
227	2nd Function Tri-PCBs				0.9928	1.000	0.00	0.000	NO	3.898	0.101	3.898
228	Total Tri-PCBs				1.0778	1.000	0.00	0.000	NO	0.917	0.267	0.917
229	2nd Function Para-PCBs				1.2157	1.000	0.00	0.000	NO	0.800	0.318	0.800
230	Total Para-PCBs				1.2731	1.000	0.00	0.000	NO	1.742	0.437	1.742
231	2nd Function Hexa-PCBs				0.9908	1.000	0.00	0.000	NO	3.400	0.100	3.400
232	Total Hexa-PCBs				1.0319	1.000	0.00	0.000	NO	0.431	0.180	0.431
233	Total Hepta-PCBs				1.2691	1.000	0.00	0.000	NO	5.880	0.225	5.880
234	Total Octa-PCBs				1.0008	1.000	0.00	0.000	NO	2.108	0.0714	2.108
235	Total Non-PCBs				1.1488	1.000	0.00	0.000	NO	0.7210	0.0367	0.7210
236	Total PCBs				0.9928	1.000	0.00	0.000	NO	0.7101	0.0228	0.7101
237	Diox-Cl				0.9904	1.000	0.00	0.000	NO	0.2088	0.0023	0.2088
238	Total PCBs											

#	Mass	Area	Int	Ref	Conc	Unit	Mass	Int	Ref	Conc	Unit
89	PCB-114	42.20	42.22	2.201e5	1.890e5	1.980	1.35	NO	0.21600	0.26817	
94	PCB-122	42.67	42.67	1.822e5	1.138e5	1.980	1.81	NO	0.23100	0.23089	
96	PCB-105	43.21	43.21	1.808e5	1.446e5	1.980	1.32	NO	0.22800	0.22776	
98	PCB-127	43.57	43.57	1.988e5	1.454e5	1.980	1.36	NO	0.22300	0.22285	
97	PCB-128	46.52	46.52	2.124e5	1.372e5	1.980	1.67	NO	0.21800	0.21838	



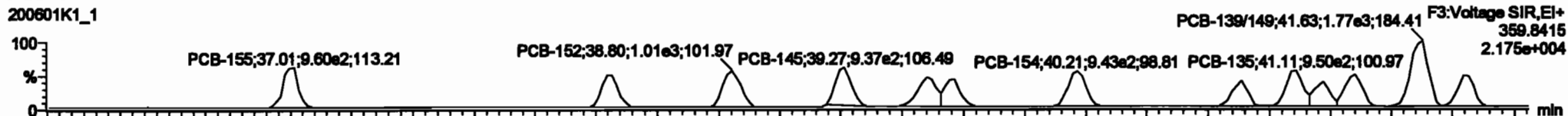
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

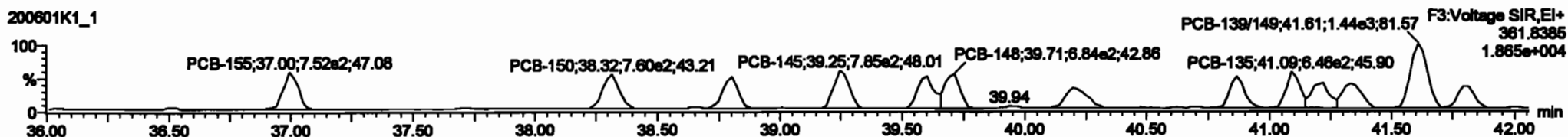
Name: 200601K1\_1, Date: 01-Jun-2020, Time: 12:15:03, ID: ST200601K1-1 PCB 209 CS0 19G2606, Description: PCB 209 CS0 19G2606

**PCB-155**

200601K1\_1



200601K1\_1

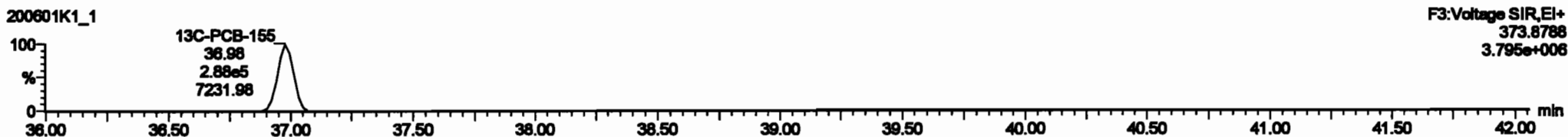


**13C-PCB-155**

200601K1\_1

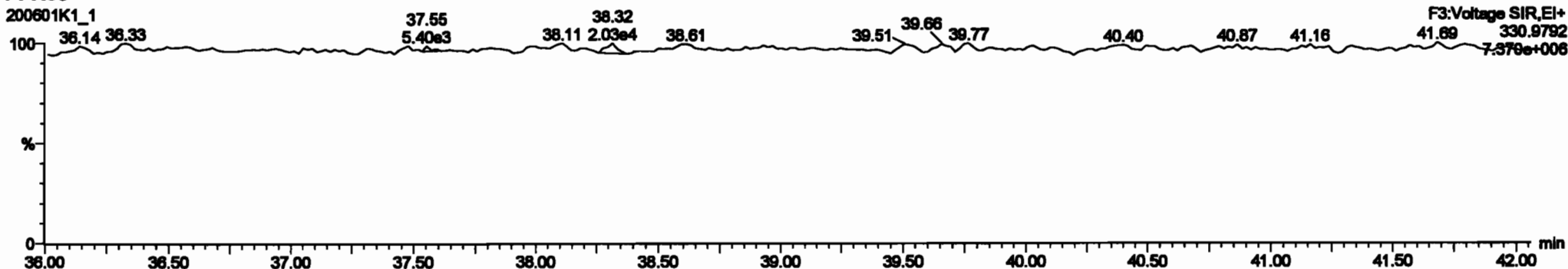


200601K1\_1



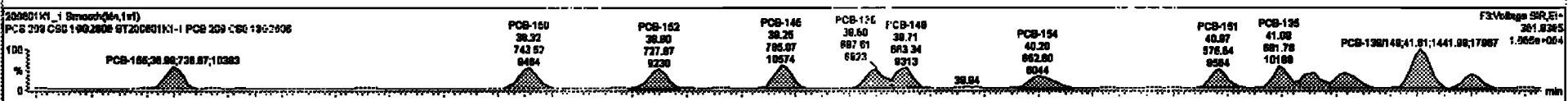
**PFK3c**

200601K1\_1



#	Phase	Mass	CS	CP	SP	CP/SP	CP/SP	CP/SP	CP/SP	CP/SP	CP/SP	CP/SP	CP/SP	CP/SP	CP/SP	CP/SP	CP/SP	CP/SP
227	2nd Function Tri-PCBs					0.8828	1.000	0.00		0.000	NO	3.888		0.181	3.888			
228	Total Tri-PCBs					1.2778	1.000	0.00		0.000	NO	8.917		0.287	8.917			
229	2nd Function Penta-PCBs					1.3187	1.000	0.00		0.000	NO	8.800		0.318	8.800			
230	4th Function Penta-PCBs					1.0738	1.000	0.00		0.000	NO	1.148		0.0538	1.148			
231	Total Penta-PCBs					2.3925	1.000	0.00		0.000	NO	9.948		0.372	9.948			
232	4th Function Hexa-PCBs					1.3318	1.000	0.00		0.000	NO	6.431		0.180	6.431			
233	Total Hexa-PCBs					1.3881	1.000	0.00		0.000	NO	6.880		0.225	6.880			
234	4th Function Octa-PCBs					1.0008	1.000	0.00		0.000	NO	2.188		0.0714	2.188			
235	6th Function Octa-PCBs					1.1488	1.000	0.00		0.000	NO	0.7210		0.0287	0.7210			
236	Total Octa-PCBs					0.8828	1.000	0.00		0.000	NO	0.7181		0.0328	0.7181			
237	Deca-CP					0.9884	1.000	0.00		0.000	NO	0.2388		0.00828	0.2388			
238	Total PCBs																	

#	Phase	Mass	CS	CP	SP	CP/SP	CP/SP	CP/SP	CP/SP	CP/SP	CP/SP	CP/SP	CP/SP	CP/SP	CP/SP	CP/SP	CP/SP	CP/SP
89	PCB-158	38.98	37.01	8.801e2	7.387e2	1.240	1.30	NO	0.24700	0.24732								
90	PCB-160	38.32	38.30	8.464e2	7.435e2	1.240	1.14	NO	0.22800	0.22810								
100	PCB-162	38.80	38.80	8.888e2	7.278e2	1.240	1.37	NO	0.22100	0.22078								
101	PCB-146	38.27	38.27	1.018e2	7.881e2	1.240	1.30	NO	0.28100	0.28080								
102	PCB-138	38.80	38.80	8.188e2	8.878e2	1.240	1.18	NO	0.22400	0.22404								
103	PCB-148	38.71	38.71	7.081e2	8.838e2	1.240	1.08	NO	0.24800	0.24844								
104	PCB-154	40.21	40.22	8.078e2	8.538e2	1.240	1.38	NO	0.28800	0.28830								
105	PCB-161	40.88	40.88	8.188e2	8.788e2	1.240	1.07	NO	0.28100	0.28088								
106	PCB-136	41.11	41.11	8.348e2	8.918e2	1.240	1.38	NO	0.28800	0.28828								



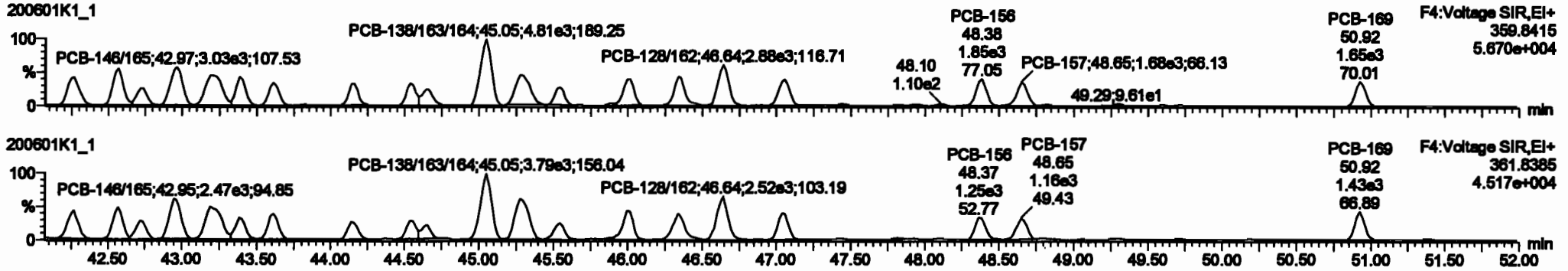
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time

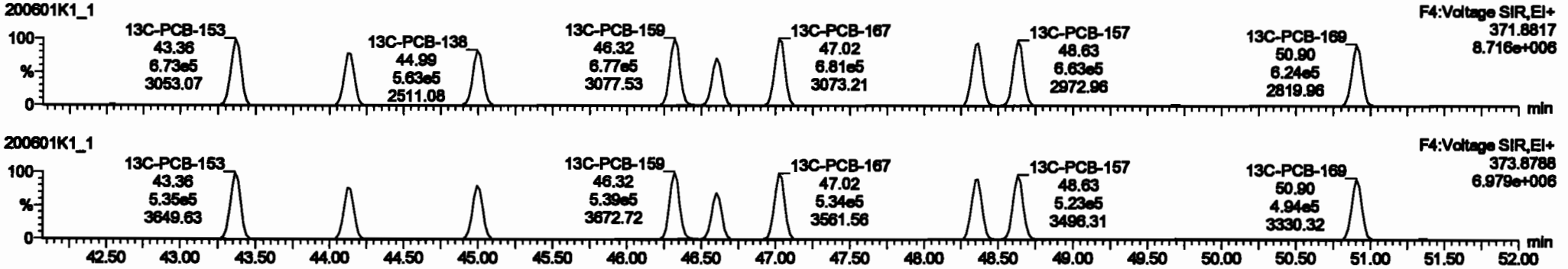
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_1, Date: 01-Jun-2020, Time: 12:15:03, ID: ST200601K1-1 PCB 209 CS0 19G2606, Description: PCB 209 CS0 19G2606

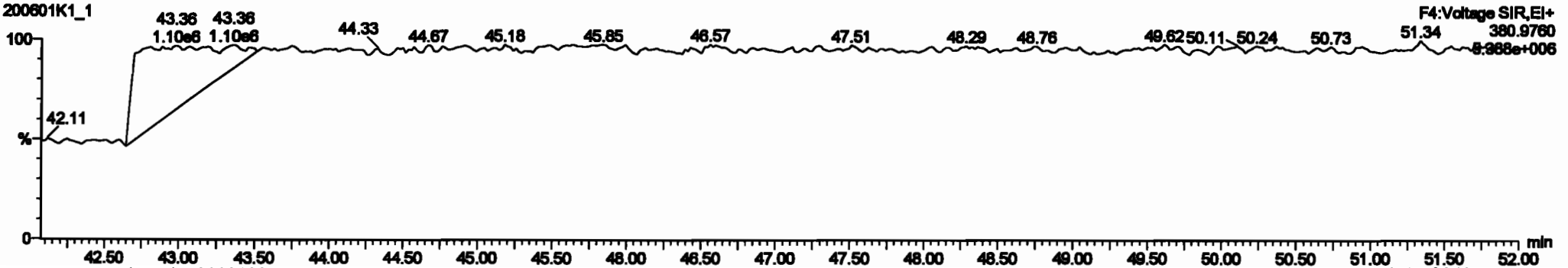
PCB-134/143



13C-PCB-153

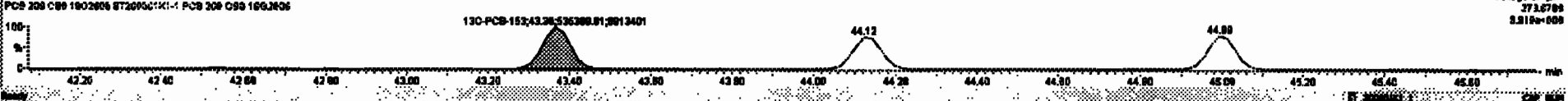
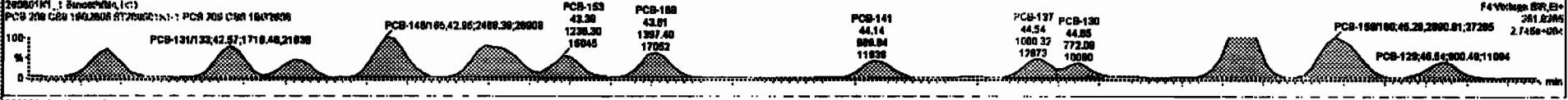


PFK4b



PCB	Function	Wt	PCB	Wt	PCB	Wt	PCB	Wt	PCB	Wt	PCB	Wt	PCB	Wt	PCB	Wt	PCB	Wt
227	3rd Function In-PCBs			0.0028	1.000	0.00		0.000	NO	3.888		0.191	3.888					
228	Total In-PCBs			1.0778	1.000	0.00		0.000	NO	8.917		0.287	8.917					
229	3rd Function Para-PCBs			1.2187	1.000	0.00		0.000	NO	8.800		0.218	8.800					
230	6th Function Para-PCBs			1.0728	1.000	0.00		0.000	NO	1.148		0.088	1.148					
231	3rd Function Meta-PCBs			0.0003	1.000	0.00		0.000	NO	3.480		0.108	3.480					
232	6th Function Meta-PCBs			1.2132	1.000	0.00		0.000	NO	3.472		0.288	3.472					
233	Total Para-PCBs			1.2911	1.000	0.00		0.000	NO	5.980		0.223	5.980					
234	6th Function Oxa-PCBs			1.0000	1.000	0.00		0.000	NO	2.188		0.9714	2.188					
235	3rd Function Oxa-PCBs			1.1488	1.000	0.00		0.000	NO	0.7210		0.0887	0.7210					
236	Total Meta-PCBs			0.0023	1.000	0.00		0.000	NO	0.7181		0.0323	0.7181					
237	Diox-Cl			0.0004	1.000	0.00		0.000	NO	0.2988		0.0023	0.2988					
238	Total PCBs																	

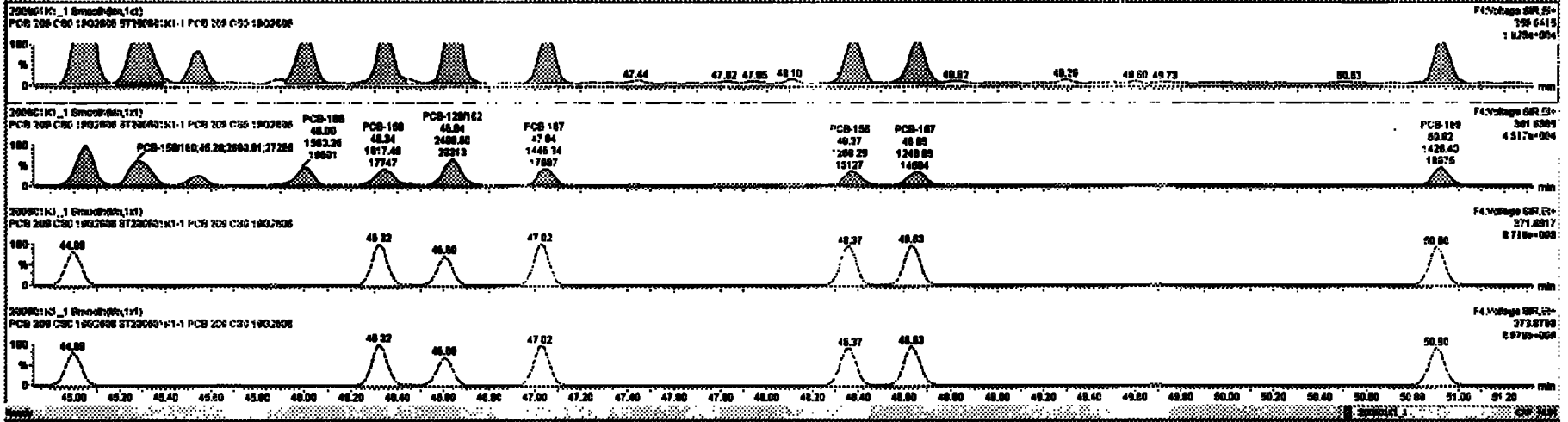
PCB	Wt	PCB	Wt	PCB	Wt	PCB	Wt	PCB	Wt	PCB	Wt	PCB	Wt	PCB	Wt	PCB	Wt
111	PCB-134/43	43.28	43.28	2.1520	1.0000	1.240	1.28	NO	0.4080	0.4078							
112	PCB-138/33	43.88	43.87	2.4440	1.7180	1.240	1.43	NO	0.4300	0.4188							
113	PCB-142	43.72	43.72	1.2080	1.0180	1.240	1.18	NO	0.2400	0.2488							
114	PCB-148/85	43.97	43.97	3.0280	2.4880	1.240	1.28	NO	0.4478	0.4478							
115	PCB-152/81	43.38	43.18	3.2080	2.8840	1.240	1.21	NO	0.4788	0.4788							
116	PCB-158	43.38	43.38	1.7880	1.2380	1.240	1.43	NO	0.2288	0.2288							
117	PCB-168	43.81	43.81	1.8880	1.3880	1.240	1.88	NO	0.2288	0.2288							
118	PCB-141	44.14	44.14	1.2380	0.8880	1.240	1.24	NO	0.2288	0.2288							
119	PCB-137	44.84	44.84	1.2880	1.0080	1.240	1.28	NO	0.2218	0.2218							





PCB	PCB Type	PCB No.	PCB Name	PCB Weight	PCB Area	PCB Volume	PCB Density	PCB Thickness	PCB Material	PCB Status	PCB Date	PCB Time
227	Std Function	16-PCB		0.8958	1.800	0.00	0.000	ND	3.880		0.101	2.880
228	Total	16-PCB		1.0770	1.800	0.00	0.000	ND	0.817		0.287	0.917
229	Std Function	16-PCB		1.2167	1.800	0.00	0.000	ND	0.800		0.290	0.800
230	Total	16-PCB		1.0736	1.800	0.00	0.000	ND	1.140		0.000	1.140
231	Std Function	16-PCB		0.8958	1.800	0.00	0.000	ND	3.400		0.100	3.400
232	Total	16-PCB		1.0770	1.800	0.00	0.000	ND	0.817		0.287	0.917
233	Std Function	16-PCB		1.2081	1.800	0.00	0.000	ND	0.800		0.288	0.800
234	Total	16-PCB		1.0000	1.800	0.00	0.000	ND	2.100		0.074	2.100
235	Std Function	16-PCB		1.1400	1.800	0.00	0.000	ND	0.7210		0.000	0.7210
236	Total	16-PCB		0.8920	1.800	0.00	0.000	ND	0.7101		0.000	0.7100
237	Std Function	16-PCB		0.8904	1.800	0.00	0.000	ND	0.2000		0.000	0.2000
238	Total	16-PCB										

PCB	PCB Type	PCB No.	PCB Name	PCB Weight	PCB Area	PCB Volume	PCB Density	PCB Thickness	PCB Material	PCB Status	PCB Date	PCB Time
111	PCB-4	10143		43.20	43.20	2.160e3	1.800e3	1.200	1.20	ND	0.40000	0.40000
112	PCB-4	10143		43.80	43.80	2.144e3	1.716e3	1.200	1.42	ND	0.40000	0.41000
113	PCB-4	10143		42.72	42.72	1.200e3	1.016e3	1.200	1.18	ND	0.20000	0.20000
114	PCB-4	10143		43.80	43.80	3.024e3	3.408e3	1.200	1.20	ND	0.40000	0.40000
115	PCB-4	10143		43.20	43.18	3.264e3	3.864e3	1.200	1.21	ND	0.40000	0.40000
116	PCB-4	10143		43.20	43.20	1.728e3	1.200e3	1.200	1.42	ND	0.20000	0.20000
117	PCB-4	10143		43.80	43.80	1.800e3	1.200e3	1.200	1.08	ND	0.20000	0.20000
118	PCB-4	10143		44.14	44.18	1.200e3	0.800e3	1.200	1.34	ND	0.20000	0.20000
119	PCB-4	10143		44.84	44.84	1.200e3	1.000e3	1.200	1.30	ND	0.20000	0.20000



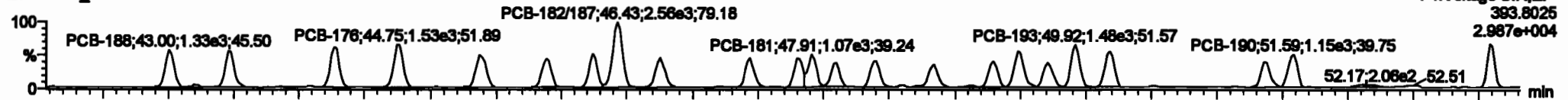
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

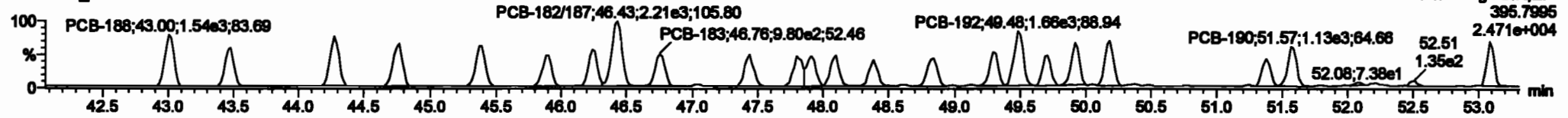
Name: 200601K1\_1, Date: 01-Jun-2020, Time: 12:15:03, ID: ST200601K1-1 PCB 209 CS0 19G2606, Description: PCB 209 CS0 19G2606

PCB-188

200601K1\_1

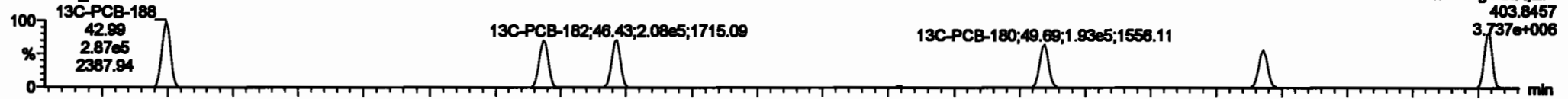


200601K1\_1

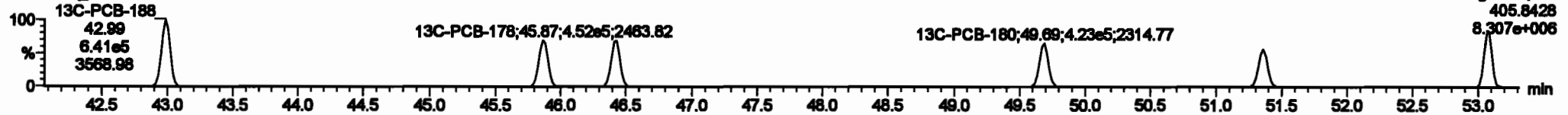


13C-PCB-188

200601K1\_1

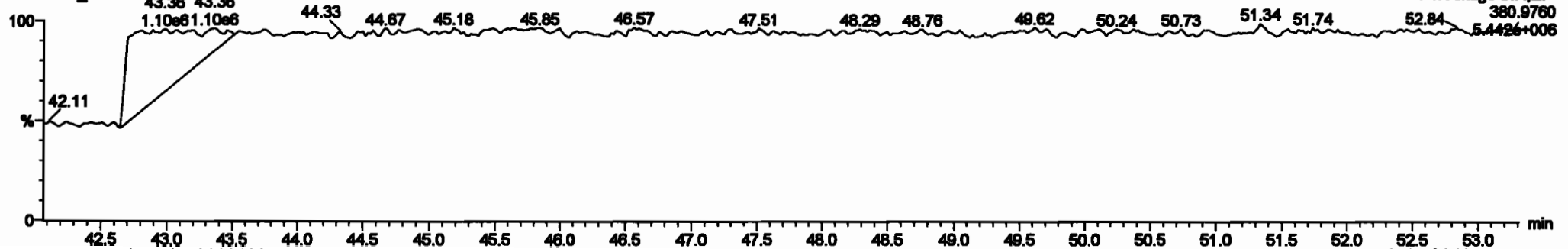


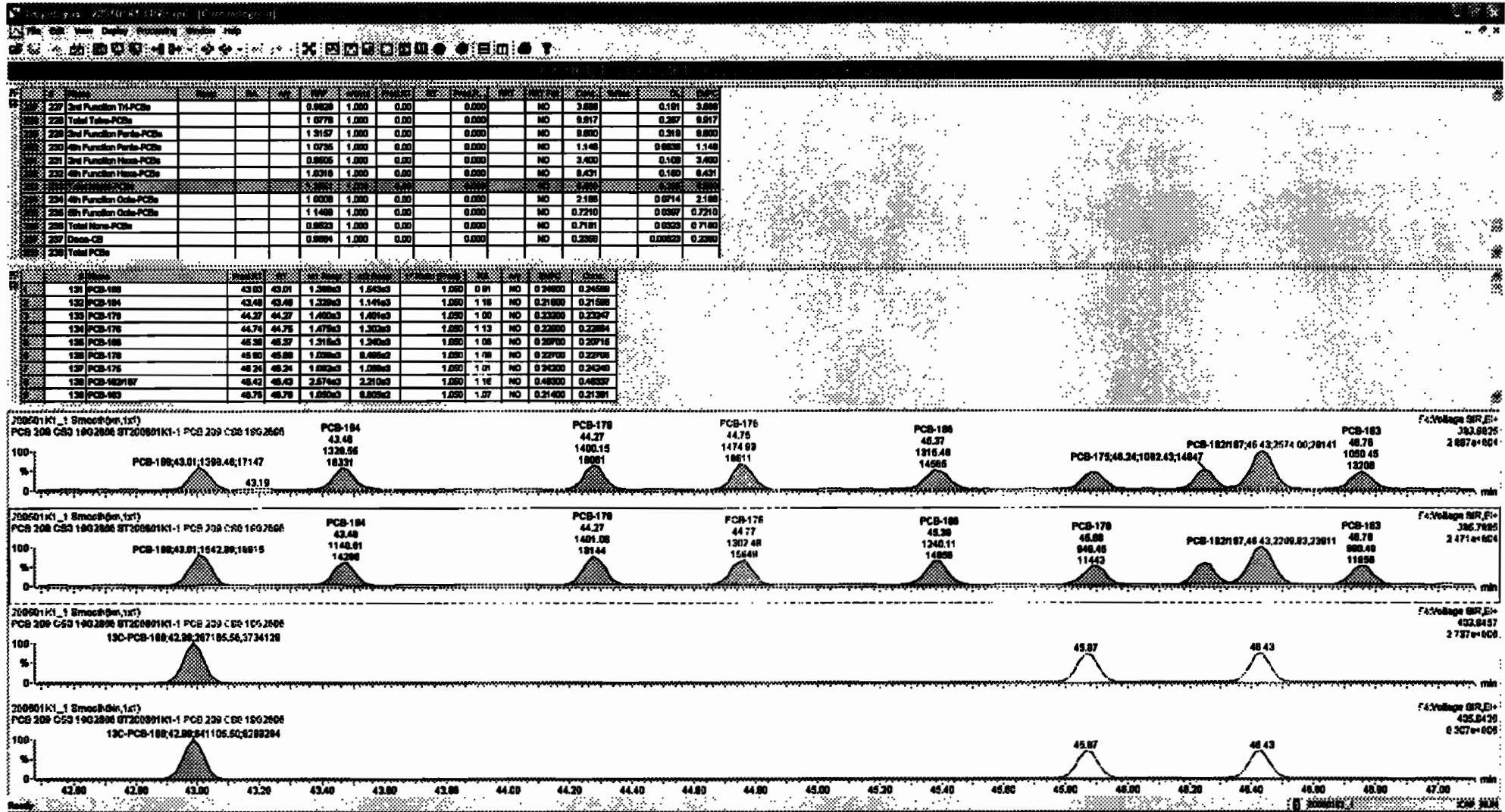
200601K1\_1



PFK4c

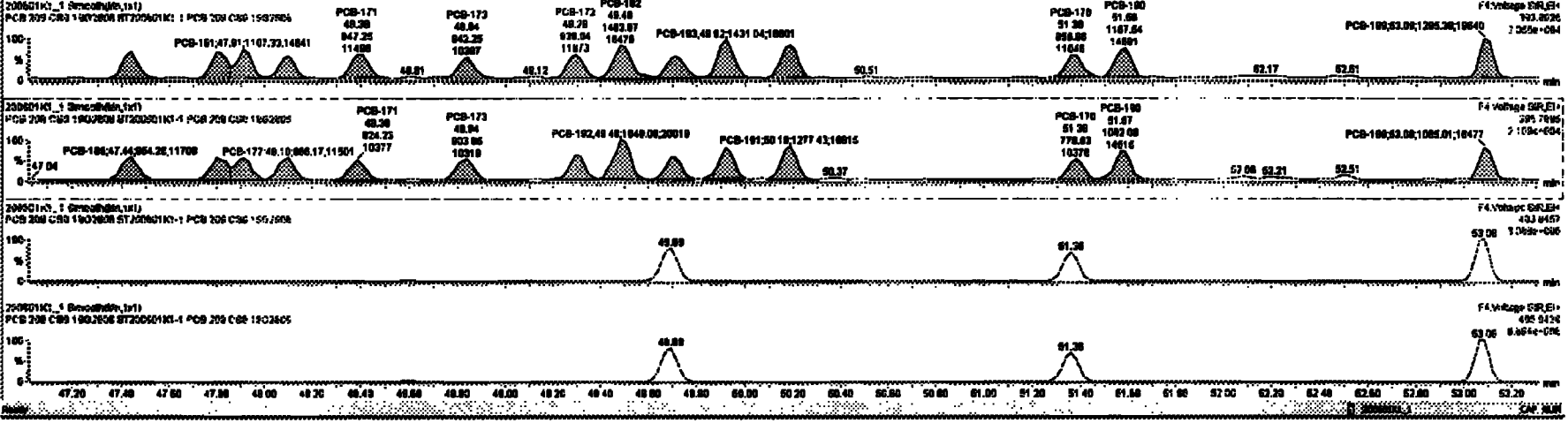
200601K1\_1





PCB	Material	Area	Vol	Wt	Price	Unit Price	Ext Price	Ext Price	Ext Price	Ext Price	Ext Price	Ext Price	Ext Price
227	Shell Function Tru-PCBs				0.0028	1,000	0.00	0.0000	NO	3.000	0.191	3.000	
228	Total Extra-PCBs				1.0778	1,000	0.00	0.0000	NO	0.017	0.207	0.017	
229	Shell Function Proto-PCBs				1.3167	1,000	0.00	0.0000	NO	0.000	0.316	0.000	
230	4th Function Proto-PCBs				1.0728	1,000	0.00	0.0000	NO	1.148	0.000	1.148	
231	Shell Function Home-PCBs				0.0000	1,000	0.00	0.0000	NO	3.000	0.190	3.000	
232	4th Function Home-PCBs				1.0018	1,000	0.00	0.0000	NO	0.001	0.491	0.001	
233	Shell Function PCBs				3.3963	1,000	0.00	0.0000	NO	0.000	3.396	0.000	
234	4th Function Outer-PCBs				1.0000	1,000	0.00	0.0000	NO	2.100	0.071	2.100	
235	6th Function Outer-PCBs				1.1488	1,000	0.00	0.0000	NO	0.7210	0.000	0.7210	
236	Total Home-PCBs				0.0023	1,000	0.00	0.0000	NO	0.7100	0.000	0.7100	
237	Shell-CP				0.0004	1,000	0.00	0.0000	NO	0.2000	0.000	0.2000	
238	Total PCBs												

PCB	Material	Area	Vol	Wt	Price	Unit Price	Ext Price	Ext Price	Ext Price	Ext Price	Ext Price	Ext Price
131	PCB-169	43.00	43.01	1.300e3	1.543e3	1.000	0.01	NO	0.24000	0.24000		
132	PCB-164	43.40	43.40	1.320e3	1.541e3	1.000	1.10	NO	0.21000	0.21000		
133	PCB-178	44.27	44.27	1.400e3	1.409e3	1.000	1.00	NO	0.20000	0.20000		
134	PCB-175	44.74	44.75	1.470e3	1.200e3	1.000	1.13	NO	0.22000	0.22000		
135	PCB-168	45.20	45.20	1.310e3	1.240e3	1.000	1.00	NO	0.20700	0.20700		
136	PCB-176	45.80	45.80	1.000e3	0.800e2	1.000	1.00	NO	0.20700	0.20700		
137	PCB-175	46.24	46.24	1.000e3	1.000e3	1.000	1.01	NO	0.24200	0.24200		
138	PCB-162/67	48.40	48.40	2.07e3	2.21e3	1.000	1.10	NO	0.40000	0.40000		
139	PCB-163	48.70	48.70	1.000e3	0.800e2	1.000	1.07	NO	0.21400	0.21400		



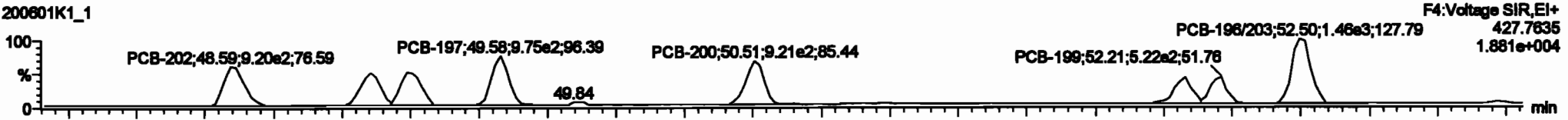
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

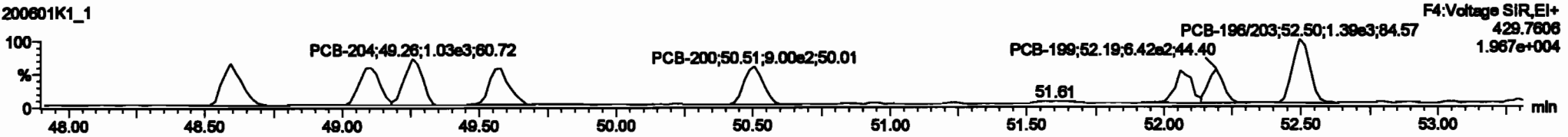
Name: 200601K1\_1, Date: 01-Jun-2020, Time: 12:15:03, ID: ST200601K1-1 PCB 209 CS0 19G2606, Description: PCB 209 CS0 19G2606

PCB-202

200601K1\_1

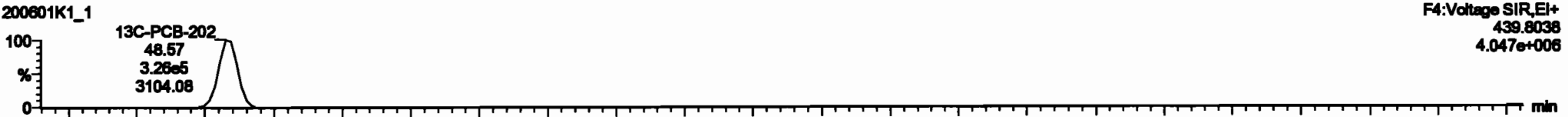


200601K1\_1

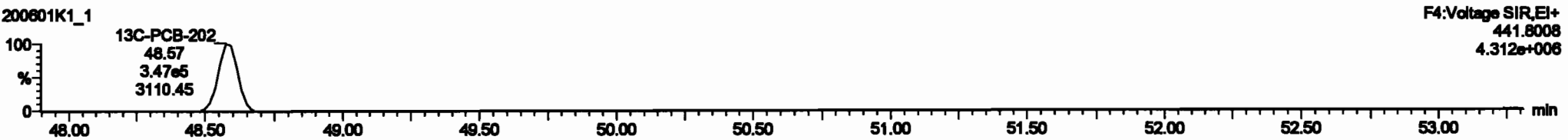


13C-PCB-202

200601K1\_1

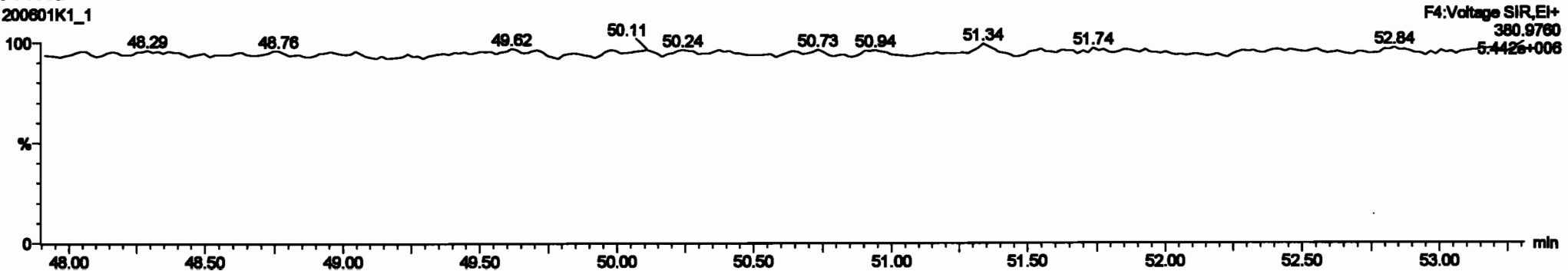


200601K1\_1



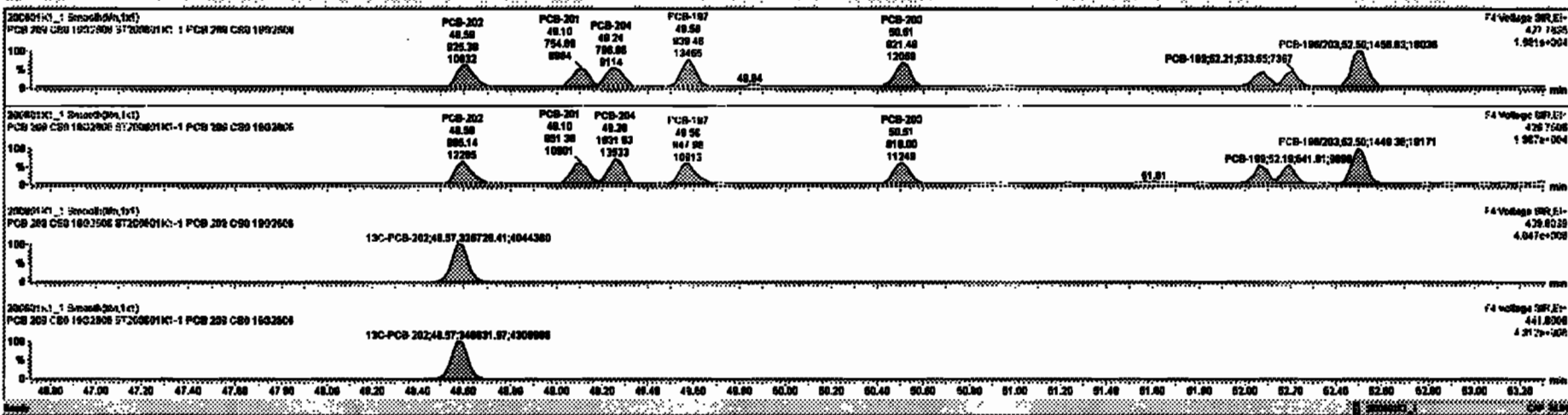
PFK4d

200601K1\_1



Item	Description	QTY	UNIT	PRICE	TOTAL	TAX	DISC	NET	AMOUNT	DATE	STATUS	
227	3rd Function Tr-PCBs			0.0000	1.000	0.00	0.000	NO	3.898		0.191	3.899
228	Total Trns-PCBs			1.0770	1.000	0.00	0.000	NO	0.917		0.367	0.917
229	3rd Function Parts-PCBs			1.2107	1.000	0.00	0.000	NO	0.800		0.318	0.800
230	4th Function Parts-PCBs			1.2735	1.000	0.00	0.000	NO	1.148		0.083	1.148
231	3rd Function Hous-PCBs			0.8885	1.000	0.00	0.000	NO	3.400		0.108	3.400
232	4th Function Hous-PCBs			1.8910	1.000	0.00	0.000	NO	0.431		0.180	0.431
233	Total Hous-PCBs			1.3891	1.000	0.00	0.000	NO	0.890		0.225	0.890
234	5th Function Ods-PCBs			1.1488	1.000	0.00	0.000	NO	0.7210		0.087	0.7210
235	Total Mamp-PCBs			0.8823	1.000	0.00	0.000	NO	0.7181		0.022	0.7180
237	Case-CB			0.8894	1.000	0.00	0.000	NO	0.3888		0.000	0.3888
238	Total PCBs											

Item	Description	QTY	UNIT	PRICE	TOTAL	TAX	DISC	NET	AMOUNT	DATE	STATUS
184	PCB-202	48.81	48.80	0.264e2	0.891e2	0.000	0.00	NO	0.24500	0.24480	
185	PCB-201	48.80	48.10	7.847e2	0.314e2	0.000	0.78	NO	0.24100	0.24103	
186	PCB-204	48.24	48.24	7.888e2	1.823e2	0.000	0.77	NO	0.23800	0.23841	
187	PCB-197	48.80	48.80	0.388e2	0.480e2	0.000	0.88	NO	0.24800	0.24784	
188	PCB-200	80.48	80.81	0.218e2	0.180e2	0.000	1.80	NO	0.28800	0.28875	
189	PCB-198	82.08	82.08	1.483e2	0.728e2	0.000	0.81	NO	0.22800	0.22888	
190	PCB-199	82.17	82.21	0.208e2	0.411e2	0.000	0.88	NO	0.21800	0.21804	
191	PCB-198-000	82.08	82.88	1.483e2	1.488e2	0.000	1.80	NO	0.81800	0.81884	



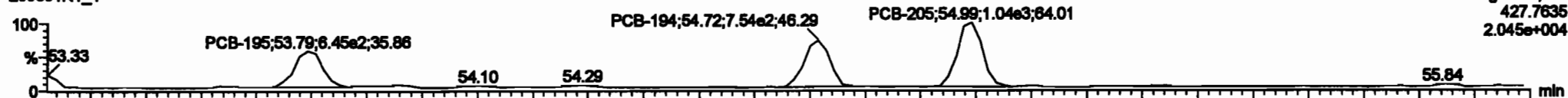
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

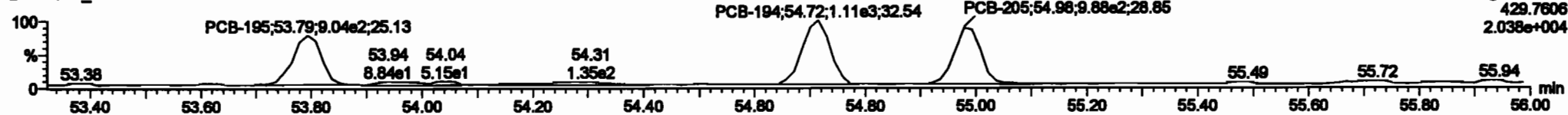
Name: 200601K1\_1, Date: 01-Jun-2020, Time: 12:15:03, ID: ST200601K1-1 PCB 209 CS0 19G2606, Description: PCB 209 CS0 19G2606

**PCB-195**

200601K1\_1

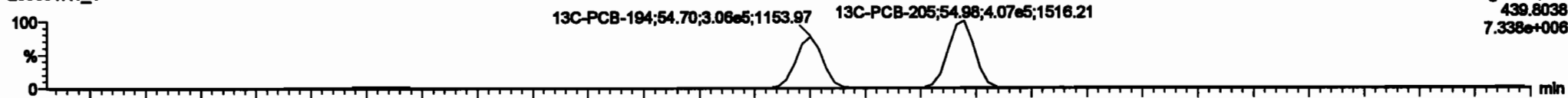


200601K1\_1

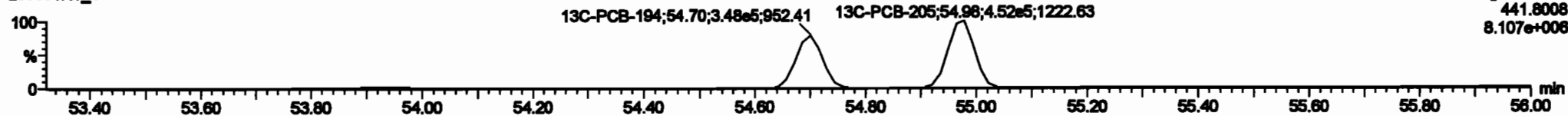


**13C-PCB-194**

200601K1\_1

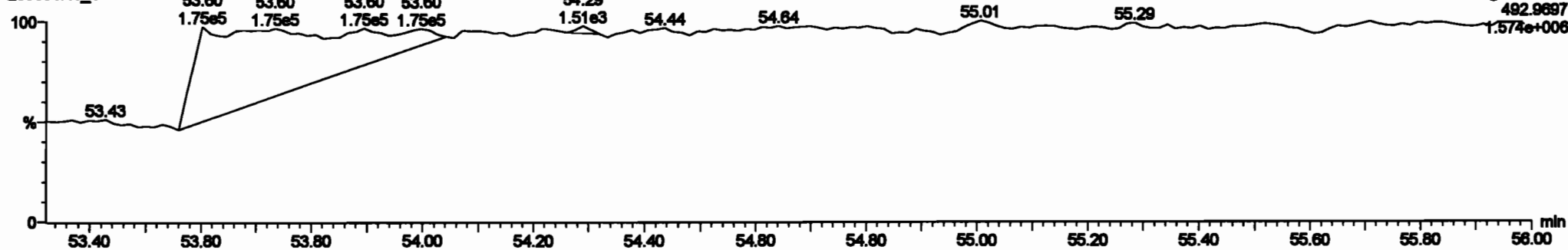


200601K1\_1



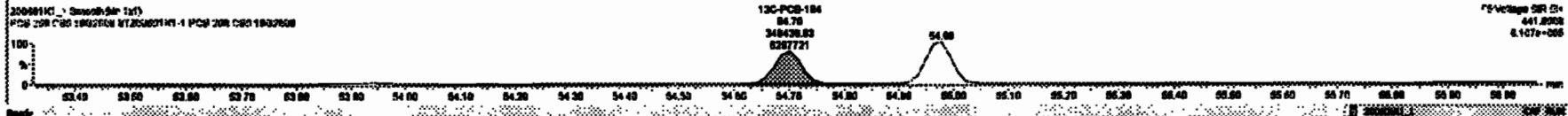
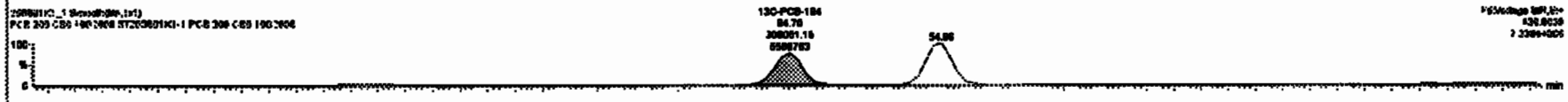
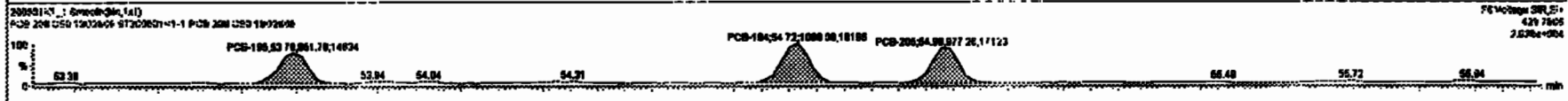
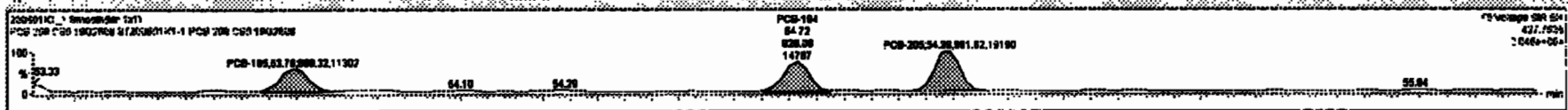
**PFK5a**

200601K1\_1



Sample	Mass	Area	Height	Width	Retention	Concentration	Response	Limit	Pass/Fail	Notes
227 2nd Function PA-PCBs		0.0020	1.000	0.00	0.000	NO	3.000	0.101	2.000	
228 1st Function PCBs		1.0776	1.000	0.00	0.000	NO	0.017	0.207	0.017	
229 2nd Function PA-PCBs		1.0107	1.000	0.00	0.000	NO	0.000	0.210	0.000	
230 4th Function PA-PCBs		1.0776	1.000	0.00	0.000	NO	1.140	0.0030	1.140	
231 2nd Function Hema-PCBs		0.0000	1.000	0.00	0.000	NO	3.400	0.100	3.400	
232 4th Function Hema-PCBs		1.0010	1.000	0.00	0.000	NO	0.401	0.100	0.401	
233 1st Function PCBs		1.0001	1.000	0.00	0.000	NO	6.000	0.200	6.000	
234 4th Function PCBs		1.0000	1.000	0.00	0.000	NO	2.100	0.014	2.100	
235 2nd Function PCBs		1.0000	1.000	0.00	0.000	NO	1.100	0.100	1.100	
236 1st Function PCBs		0.0000	1.000	0.00	0.000	NO	0.101	0.000	0.100	
237 Dioxin-CB		0.0004	1.000	0.00	0.000	NO	0.200	0.0000	0.200	
238 Total PCBs										

Sample	Area	Height	Width	Retention	Concentration	Response	Limit	Pass/Fail	Notes
100 PCB-106	63.80	63.70	0.0000	0.0170	0.000	0.01	0.2000	0.2000	
101 PCB-104	64.72	64.72	0.0000	1.0000	0.000	0.70	0.2000	0.2000	
104 PCB-205	64.80	64.80	0.0100	0.7700	0.000	1.01	0.2000	0.2000	





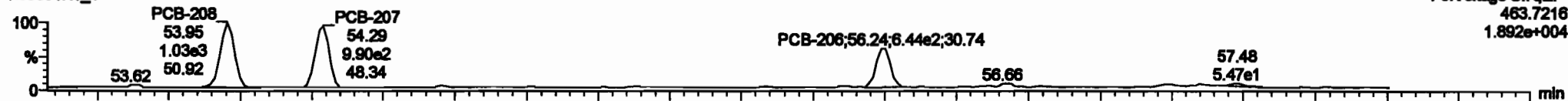
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

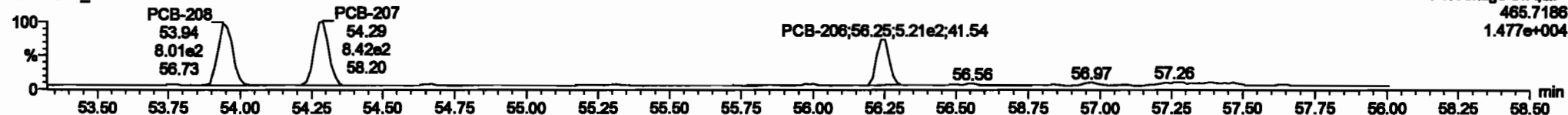
Name: 200601K1\_1, Date: 01-Jun-2020, Time: 12:15:03, ID: ST200601K1-1 PCB 209 CS0 19G2806, Description: PCB 209 CS0 19G2806

PCB-208

200601K1\_1

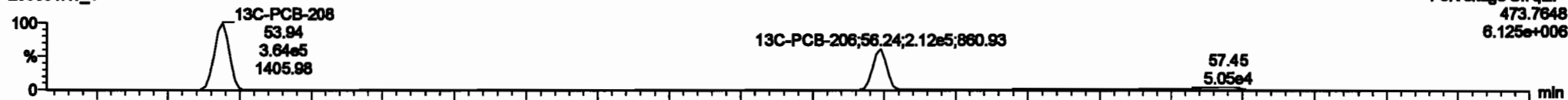


200601K1\_1

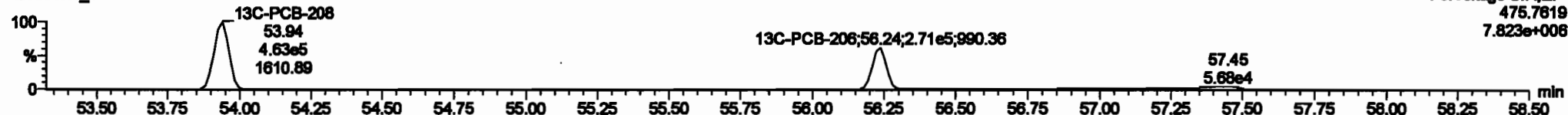


13C-PCB-208

200601K1\_1

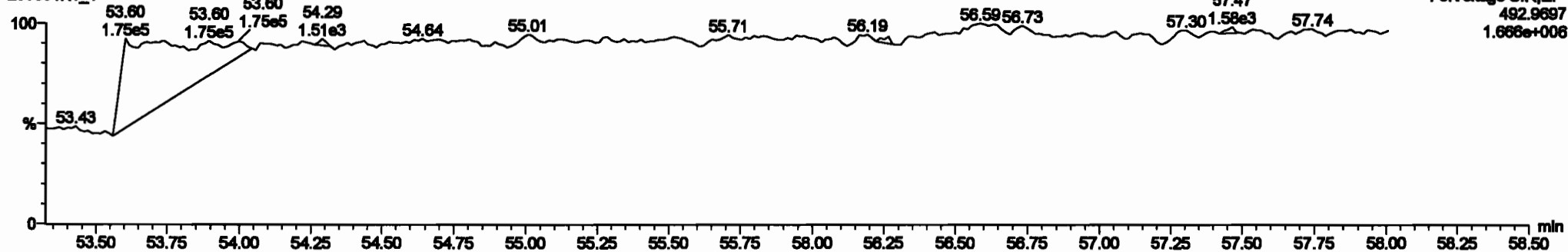


200601K1\_1



PFK5

200601K1\_1



Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

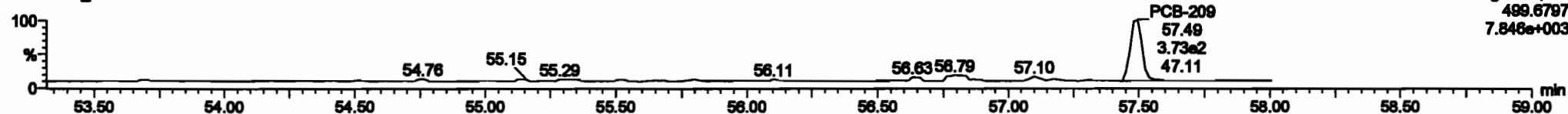
Name: 200601K1\_1, Date: 01-Jun-2020, Time: 12:15:03, ID: ST200601K1-1 PCB 209 CS0 19G2606, Description: PCB 209 CS0 19G2606

**PCB-209**

200601K1\_1

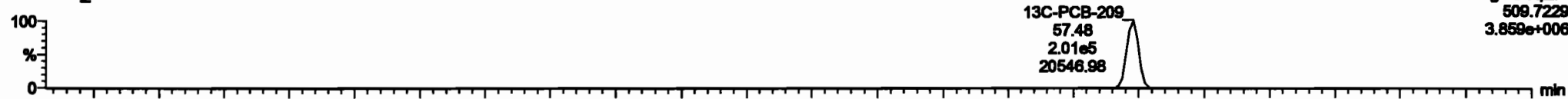


200601K1\_1

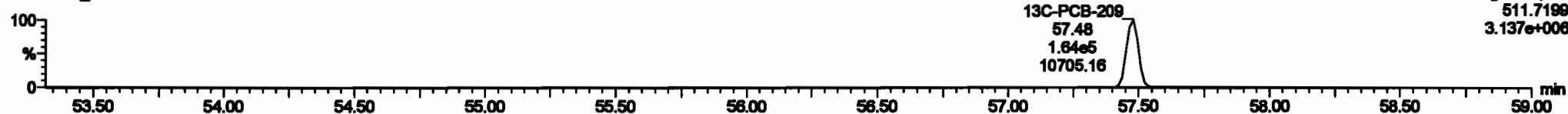


**13C-PCB-209**

200601K1\_1

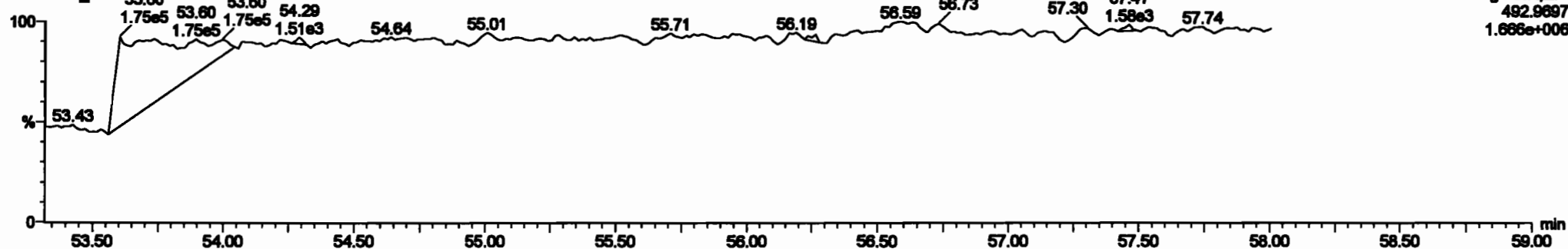


200601K1\_1



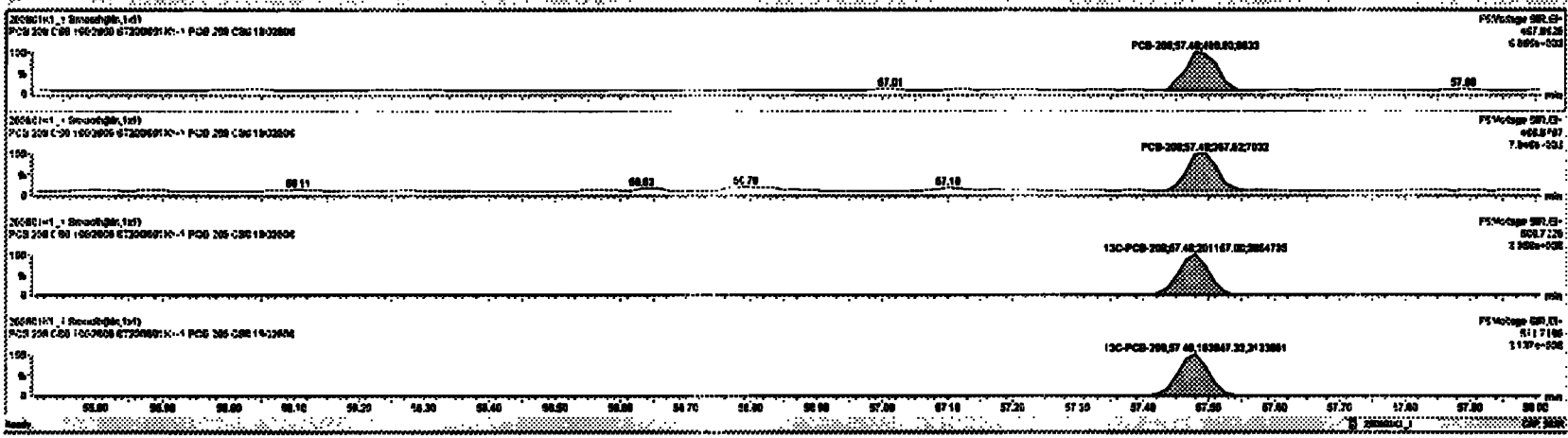
**PFK5b**

200601K1\_1



Item	QTY	UNIT	PRICE	TOTAL	TAX	DISC	NET	TAX	TOTAL
227 2nd Purvision 1st-PCBs			0.0000	1.0000	0.00	0.0000	ND	0.0000	0.0000
228 Total 1st-PCBs			1.0000	1.0000	0.00	0.0000	ND	0.0000	0.0000
229 2nd Purvision 2nd-PCBs			1.9700	1.0000	0.00	0.0000	ND	0.0000	0.0000
230 4th Purvision 2nd-PCBs			1.0700	1.0000	0.00	0.0000	ND	1.1400	0.0000
231 2nd Purvision 3rd-PCBs			0.0000	1.0000	0.00	0.0000	ND	0.0000	0.0000
232 4th Purvision 3rd-PCBs			1.0000	1.0000	0.00	0.0000	ND	0.0000	0.0000
233 Total 4th-PCBs			1.0000	1.0000	0.00	0.0000	ND	0.0000	0.0000
234 4th Purvision 4th-PCBs			1.0000	1.0000	0.00	0.0000	ND	0.0000	0.0000
235 8th Purvision 4th-PCBs			1.4000	1.0000	0.00	0.0000	ND	0.0000	0.0000
236 Total 8th-PCBs			0.0000	1.0000	0.00	0.0000	ND	0.0000	0.0000
237 Total PCBs									

Item	QTY	UNIT	PRICE	TOTAL	TAX	DISC	NET	TAX	TOTAL
400 PCB 200	07.00	07.00	4.0000	2.8000	1.7700	1.00	ND	0.2000	0.2000

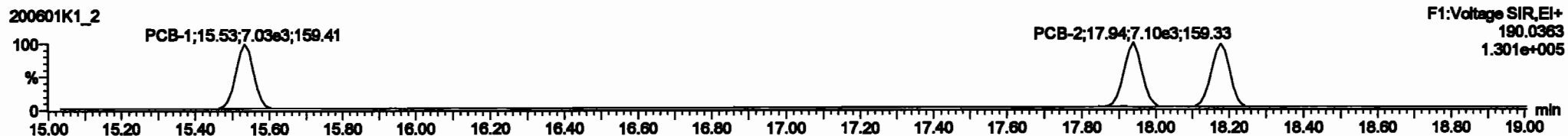


Dataset: Untitled

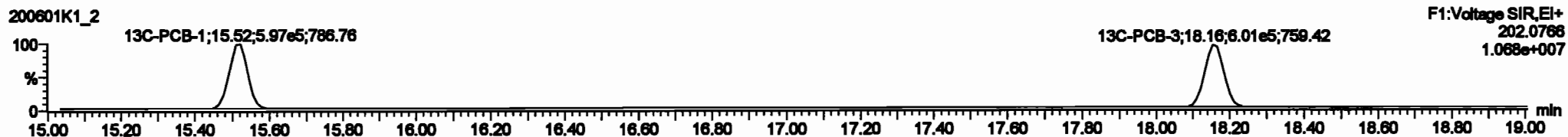
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_2, Date: 01-Jun-2020, Time: 13:18:19, ID: ST200601K1-2 PCB 209 CS1 19G2607, Description: PCB 209 CS1 19G2607

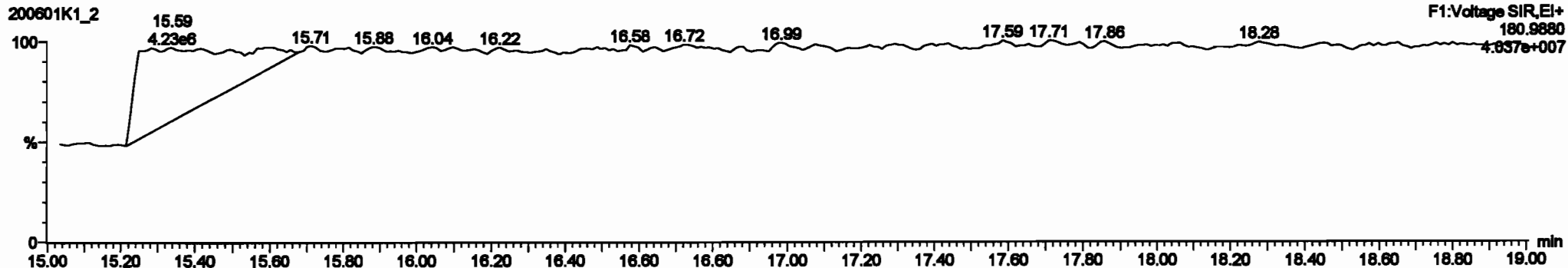
**PCB-1**



**13C-PCB-1**



**PFK1**

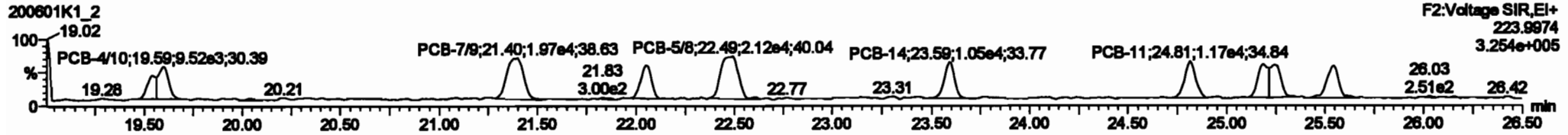
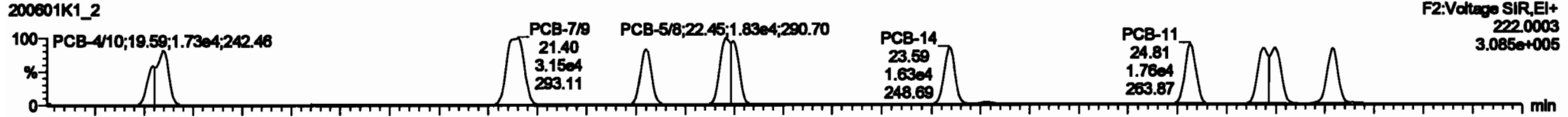


Dataset: Untitled

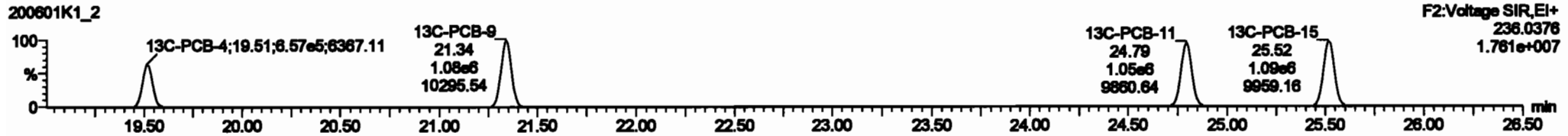
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_2, Date: 01-Jun-2020, Time: 13:18:19, ID: ST200601K1-2 PCB 209 CS1 19G2607, Description: PCB 209 CS1 19G2607

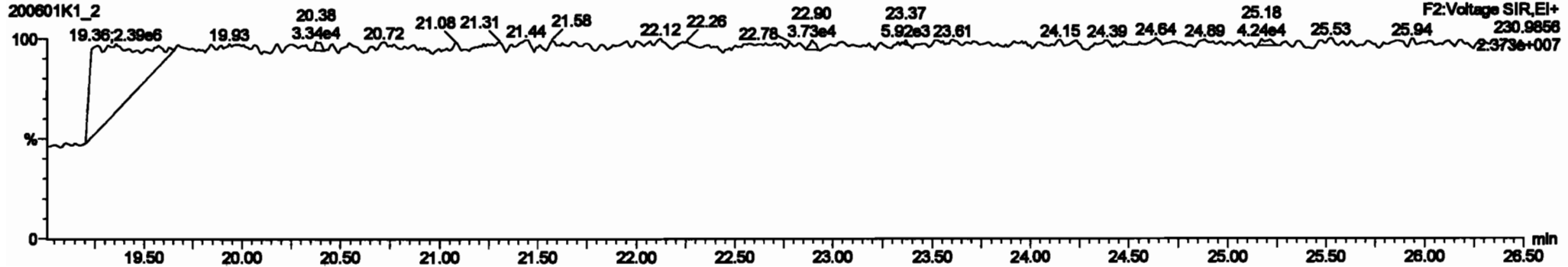
PCB-4/10



13C-PCB-4

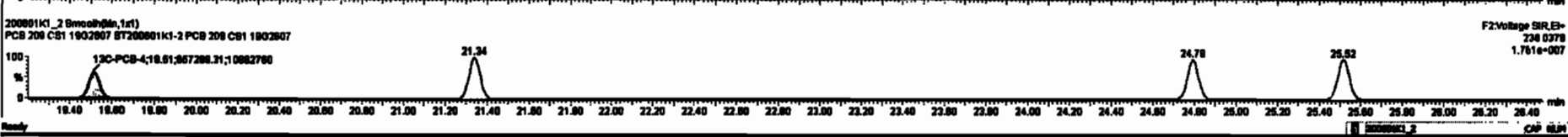
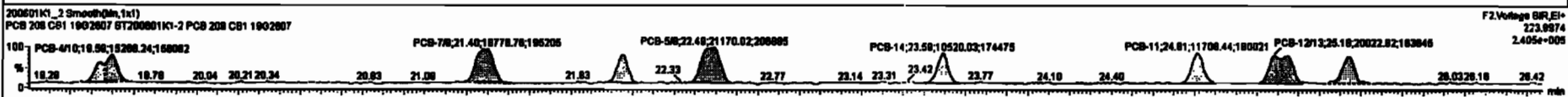
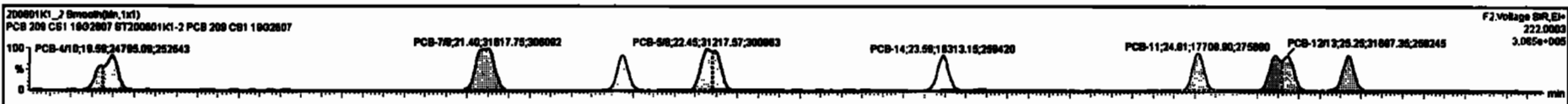


PFK2a



#	Name	Range	RA	Qty	Unit	ProdRate	WT	ProdRate	WT	ProdRate	WT	ProdRate	WT	ProdRate	WT	ProdRate	WT	ProdRate	WT
223	13C-PCB-178	7.18e6	0.45	NO	1.0000	1.000	46.87	0.823	0.823	NO	104.2	104	0.872						
224	Total Mono-PCBs				1.0000	1.000	0.00	0.000	0.000	NO	2.884		0.0206	2.864					
225	Total Di-PCBs				1.0000	1.000	0.00	0.000	0.000	NO	7.832		0.0852	7.747					
226	2nd Function Tri-PCBs				1.0000	1.000	0.00	0.000	0.000	NO	15.71		0.201	15.51					
227	2nd Function Tetra-PCBs				1.0000	1.000	0.00	0.000	0.000	NO	40.38		0.382	40.00					
228	Total Penta-PCBs				1.0000	1.000	0.00	0.000	0.000	NO	38.87		0.570	38.30					
229	2nd Function Penta-PCBs				1.0000	1.000	0.00	0.000	0.000	NO	4.785		0.0713	4.714					
230	4th Function Penta-PCBs				1.0000	1.000	0.00	0.000	0.000	NO	13.32		0.120	13.20					
231	2nd Function Hexa-PCBs				1.0000	1.000	0.00	0.000	0.000	NO	28.45		0.302	28.15					
232	4th Function Hexa-PCBs				1.0000	1.000	0.00	0.000	0.000	NO	23.19		0.230	22.96					
233	Total Hepta-PCBs				1.0000	1.000	0.00	0.000	0.000	NO	0.216		0.0785	0.137					
234	4th Function Octa-PCBs				1.0000	1.000	0.00	0.000	0.000	NO									

#	Name	ProdRate	WT	wt Range	cd Range	* Ratio (Prod)	RA	Qty	-BSPC	Cons.
1	4 PCB-478	18.80	18.80	2.480e4	1.527e4	1.580	1.82	NO	1.8718	1.8708
2	6 PCB-78	21.40	21.40	3.182e4	1.878e4	1.580	1.80	NO	1.8888	1.8881
3	8 PCB-8	22.08	22.08	1.817e4	1.806e4	1.580	1.81	NO	0.82800	0.82812
4	7 PCB-64	22.48	22.48	3.122e4	2.117e4	1.580	1.48	NO	1.8070	1.8088
5	8 PCB-14	23.80	23.80	1.821e4	1.852e4	1.580	1.58	NO	0.87700	0.87678
6	9 PCB-11	24.81	24.81	1.771e4	1.171e4	1.580	1.81	NO	0.88700	0.88713
7	10 PCB-13/13	25.25	25.25	3.170e4	2.002e4	1.580	1.58	NO	1.8880	1.8885
8	11 PCB-15	25.80	25.80	1.829e4	1.021e4	1.580	1.58	NO	0.88400	0.88391



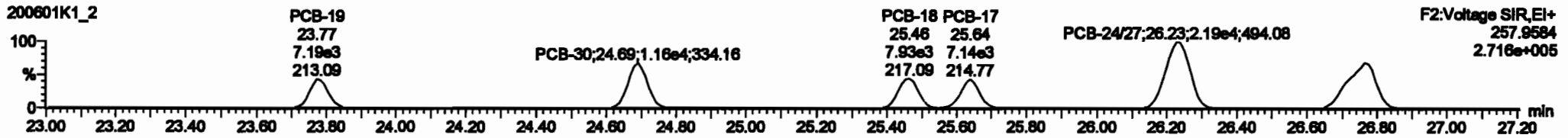
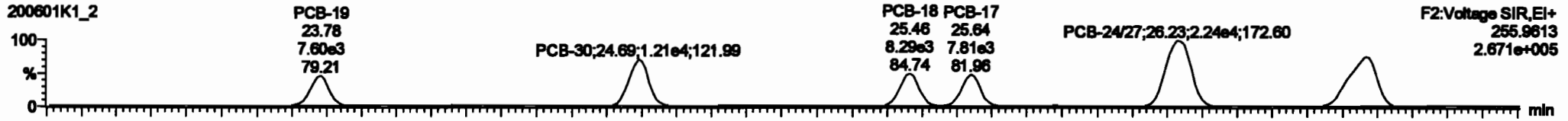
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time

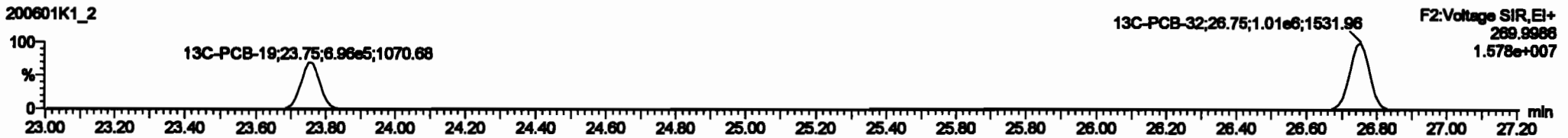
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_2, Date: 01-Jun-2020, Time: 13:18:19, ID: ST200601K1-2 PCB 209 CS1 19G2607, Description: PCB 209 CS1 19G2607

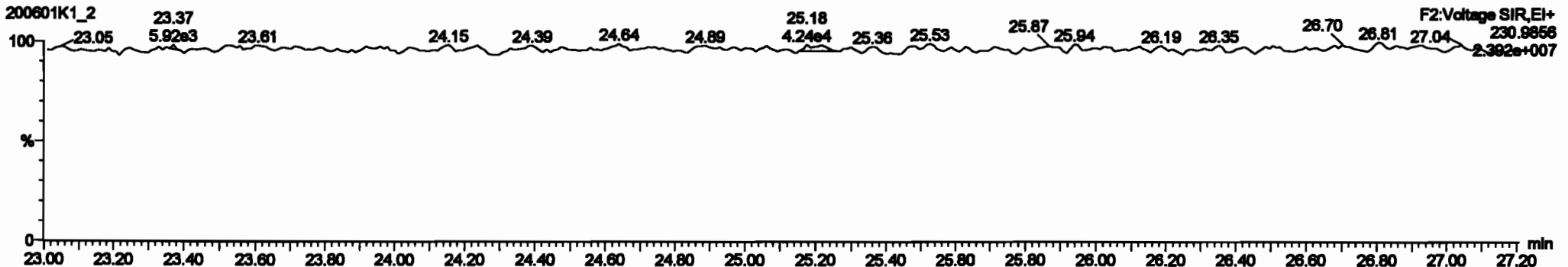
**PCB-19**



**13C-PCB-19**

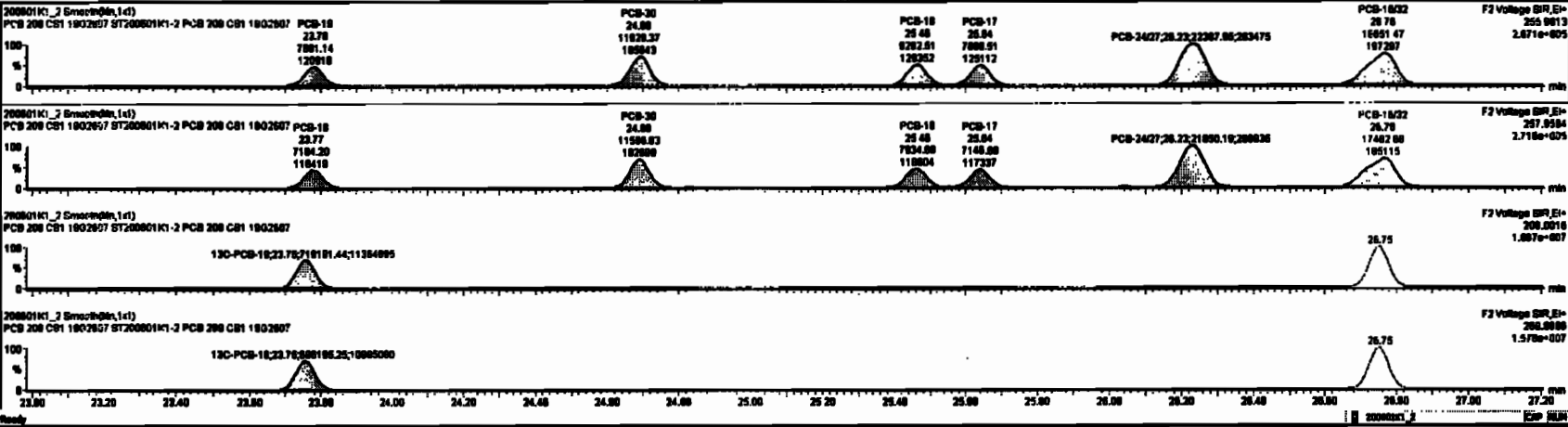


**PFK2b**



#	Name	Step	RM	Qty	Est	Actual	Prod	SE	Prod	Est	Prod	Comp	Wtd	HL	SWPC
223	13C-PCB-170	7.50us	0.48	NO	1.0000	1.0000	46.07	0.0000	0.0000	NO	104.23	104	0.0072		
224	Total Mono-PCBs				1.0000	1.0000	0.00	0.0000	0.0000	NO	2.0000	2.0000	0.0000	2.0000	
225	Total Di-PCBs				1.0000	1.0000	0.00	0.0000	0.0000	NO	11.30	11.30	0.0000	11.30	
226	Total Tri-PCBs				1.0000	1.0000	0.00	0.0000	0.0000	NO	10.00	10.00	0.0000	10.00	
227	2nd Purition Tri-PCBs				0.0000	1.0000	0.00	0.0000	0.0000	NO	10.71	10.71	0.0000	10.71	
228	Total Mono-PCBs				1.0000	1.0000	0.00	0.0000	0.0000	NO	40.20	40.20	0.0000	40.20	
229	2nd Purition Mono-PCBs				1.0000	1.0000	0.00	0.0000	0.0000	NO	30.67	30.67	0.0000	30.67	
230	4th Purition Mono-PCBs				1.0000	1.0000	0.00	0.0000	0.0000	NO	4.78	4.78	0.0000	4.78	
231	2nd Purition Mono-PCBs				0.0000	1.0000	0.00	0.0000	0.0000	NO	13.33	13.33	0.0000	13.33	
232	4th Purition Mono-PCBs				1.0000	1.0000	0.00	0.0000	0.0000	NO	20.48	20.48	0.0000	20.48	
233	Total Mono-PCBs				1.0000	1.0000	0.00	0.0000	0.0000	NO	35.16	35.16	0.0000	35.16	
234	4th Purition Mono-PCBs				1.0000	1.0000	0.00	0.0000	0.0000	NO	0.215	0.215	0.0000	0.215	

#	Name	Prod	Est	Wt	Wt	Wt	Wt	Wt	Wt	Wt	Wt	Wt	Wt	Wt	Wt	Wt	Wt	Wt	Wt
1	13 PCB-18	23.79	23.79	7.000e0	7.100e0	1.000	1.00	NO	0.0000	0.0000									
2	13 PCB-30	24.80	24.80	1.100e0	1.100e0	1.000	1.00	NO	0.0000	0.0000									
3	14 PCB-18	26.48	26.48	0.200e0	7.000e0	1.000	1.00	NO	0.0000	0.0000									
4	15 PCB-17	26.84	26.84	7.000e0	7.500e0	1.000	1.00	NO	0.0000	0.0000									
5	16 PCB-2407	28.20	28.20	2.500e0	2.500e0	1.000	1.00	NO	1.0000	1.0000									
6	17 PCB-1802	28.77	28.78	1.000e0	1.700e0	1.000	1.00	NO	1.0000	1.0000									



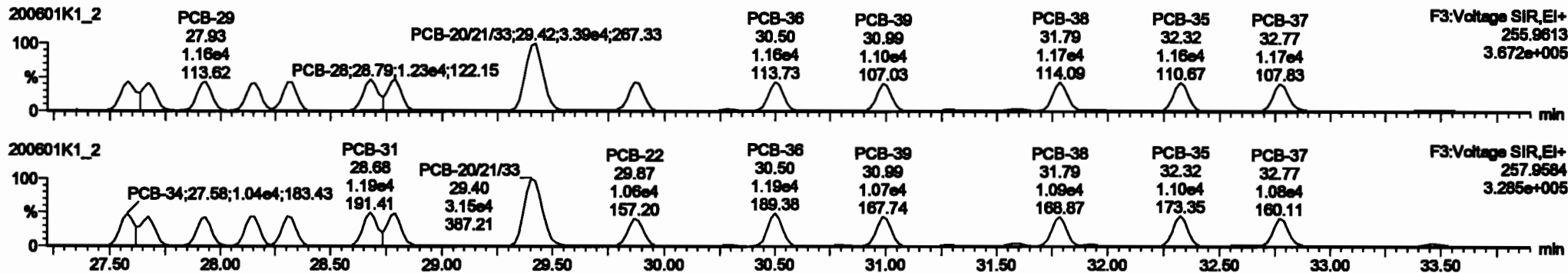


Dataset: Untitled

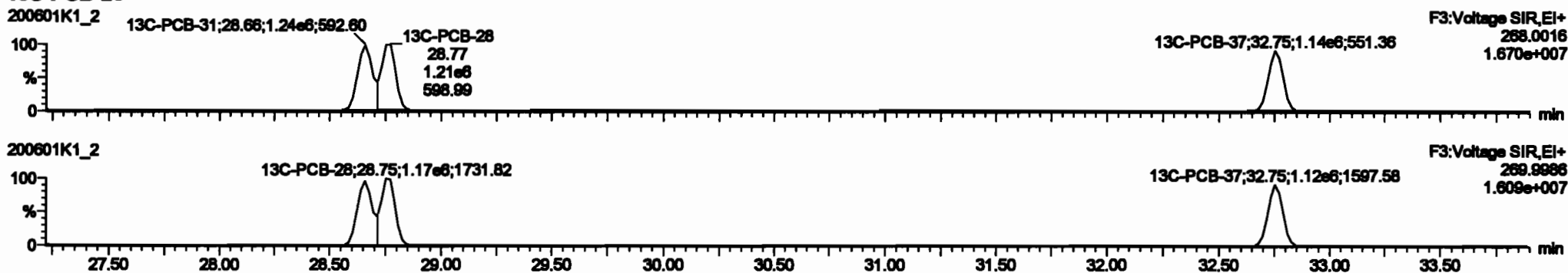
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_2, Date: 01-Jun-2020, Time: 13:18:19, ID: ST200601K1-2 PCB 209 CS1 19G2607, Description: PCB 209 CS1 19G2607

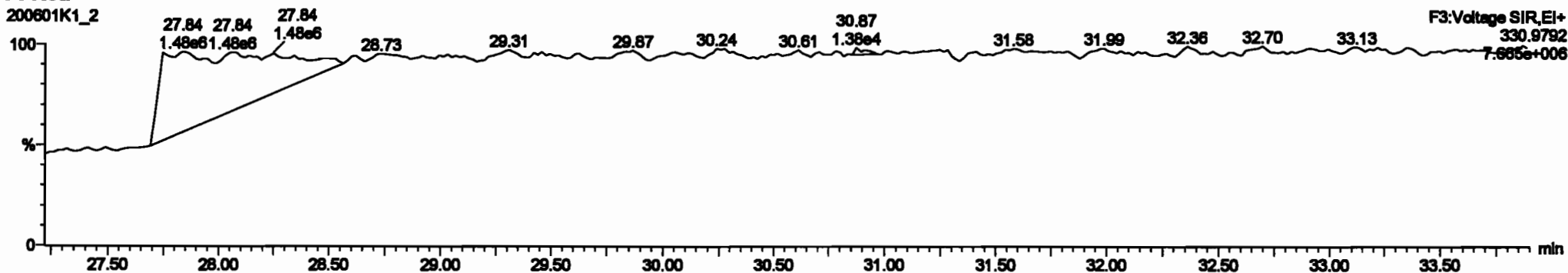
**PCB-34**

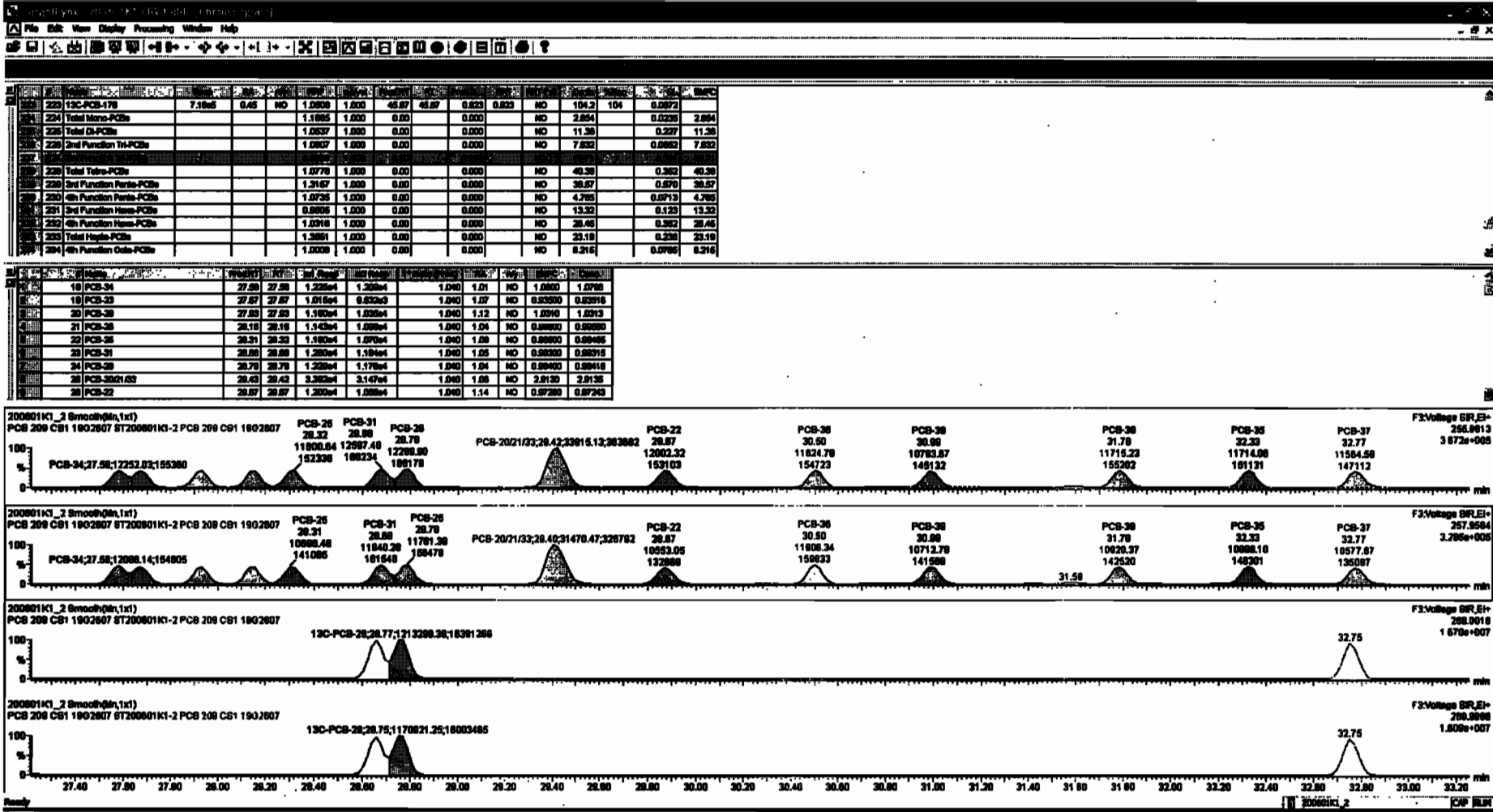


**13C-PCB-28**



**PFK3d**





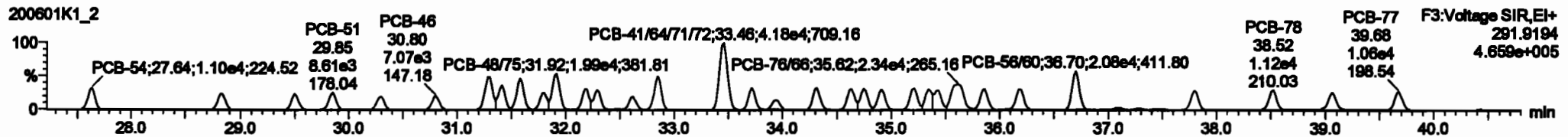
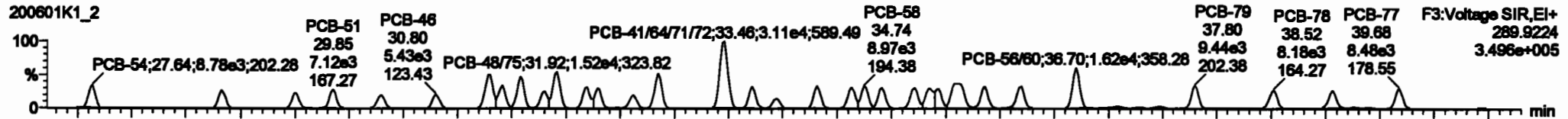
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time

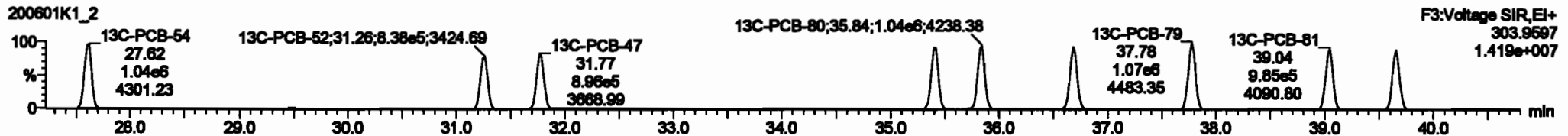
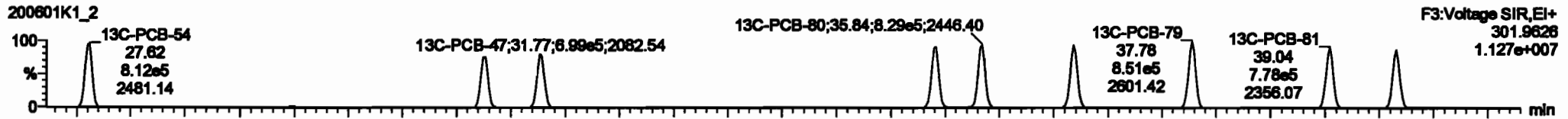
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_2, Date: 01-Jun-2020, Time: 13:18:19, ID: ST200601K1-2 PCB 209 CS1 19G2607, Description: PCB 209 CS1 19G2607

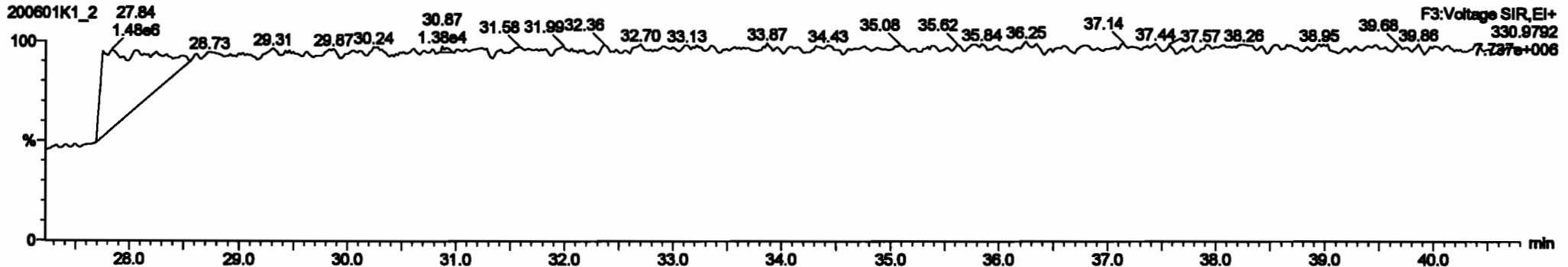
**PCB-54**



**13C-PCB-54**



**PFK3a**



Dataset: Untitled

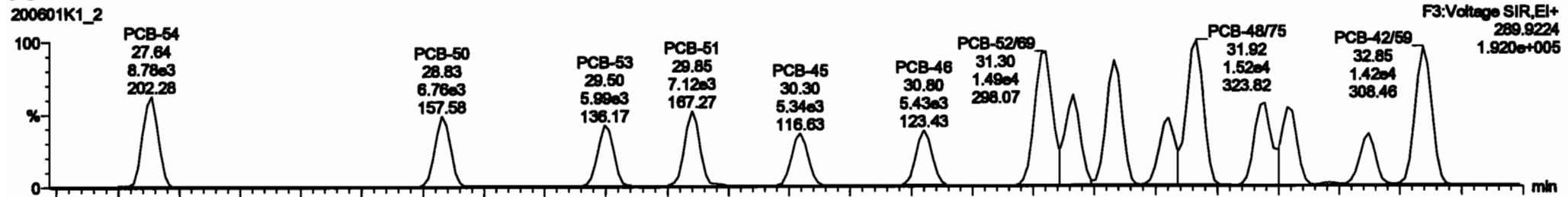
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

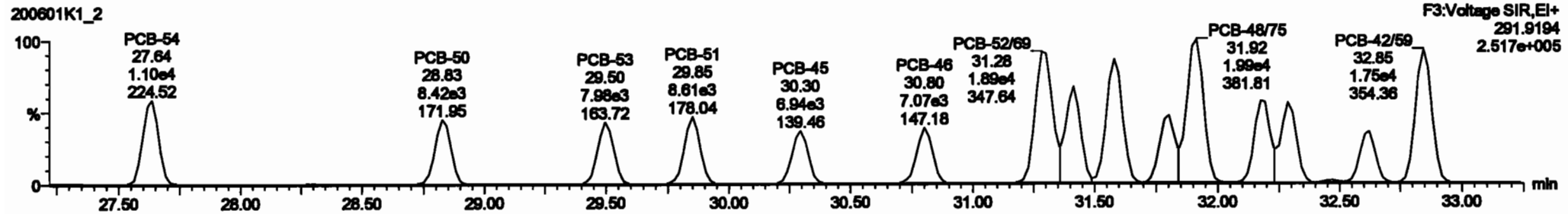
Name: 200601K1\_2, Date: 01-Jun-2020, Time: 13:18:19, ID: ST200601K1-2 PCB 209 CS1 19G2607, Description: PCB 209 CS1 19G2607

PCB-50

200601K1\_2



200601K1\_2

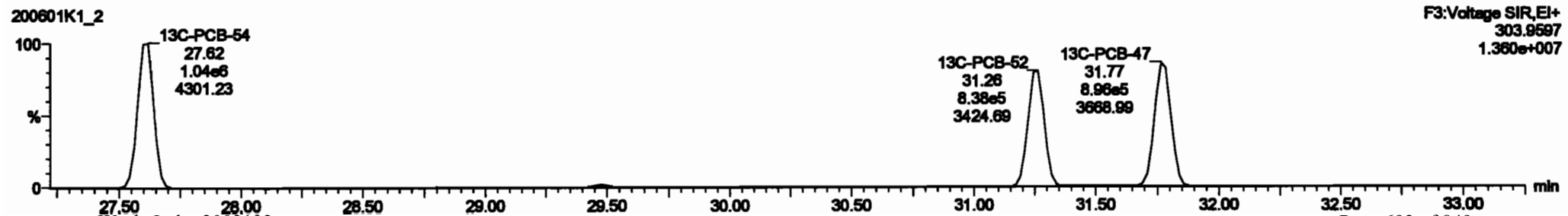


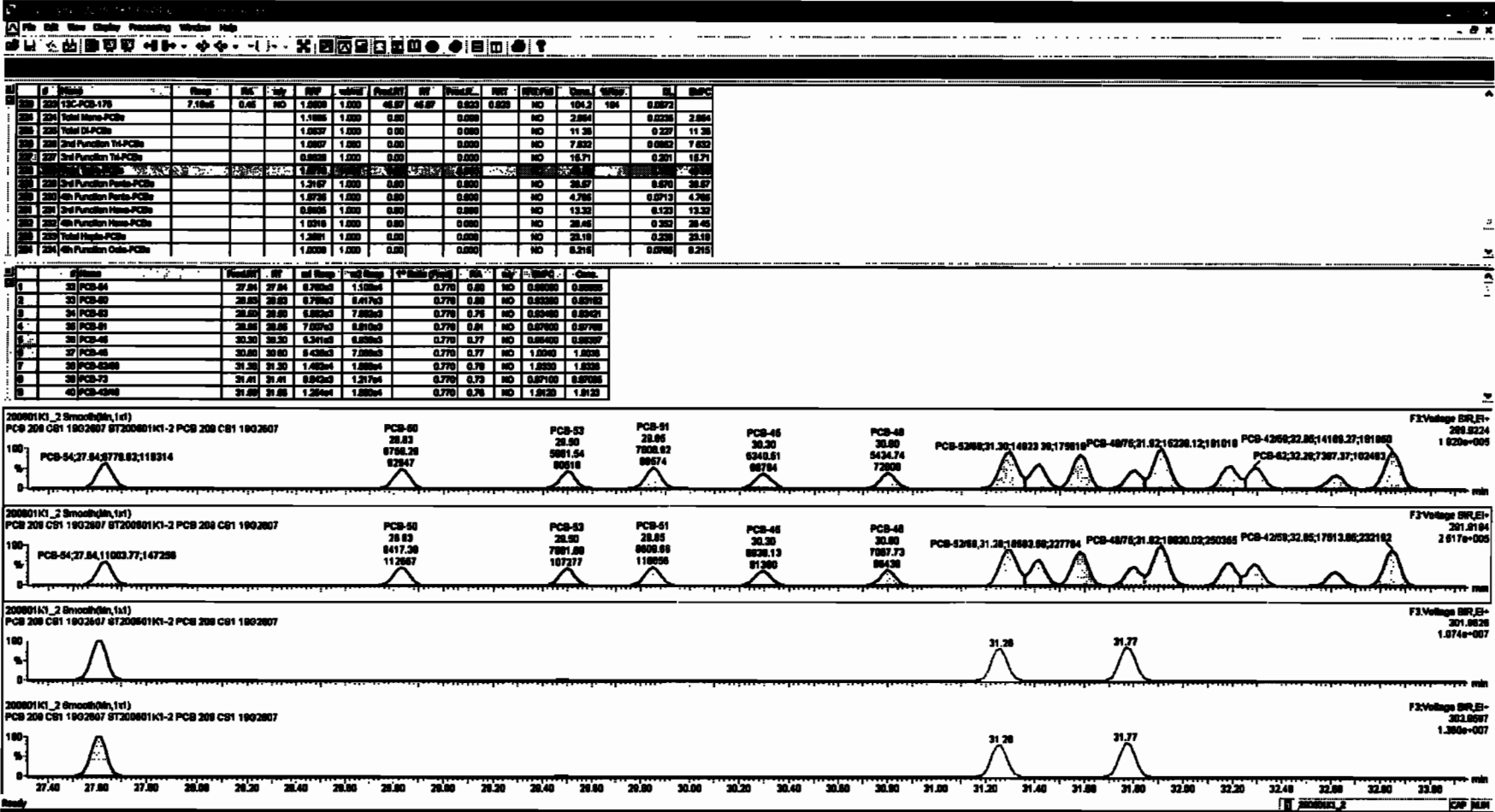
13C-PCB-52

200601K1\_2



200601K1\_2





Dataset: Untitled

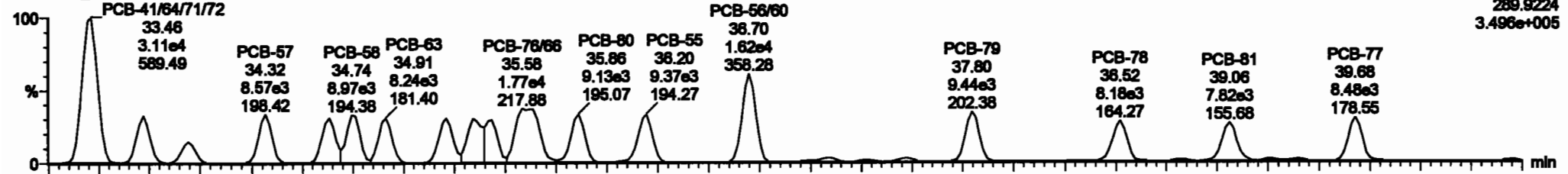
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

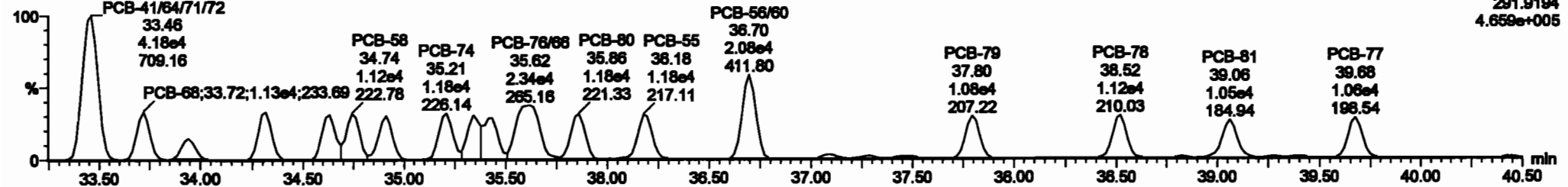
Name: 200601K1\_2, Date: 01-Jun-2020, Time: 13:18:19, ID: ST200601K1-2 PCB 209 CS1 19G2607, Description: PCB 209 CS1 19G2607

PCB-68

200601K1\_2

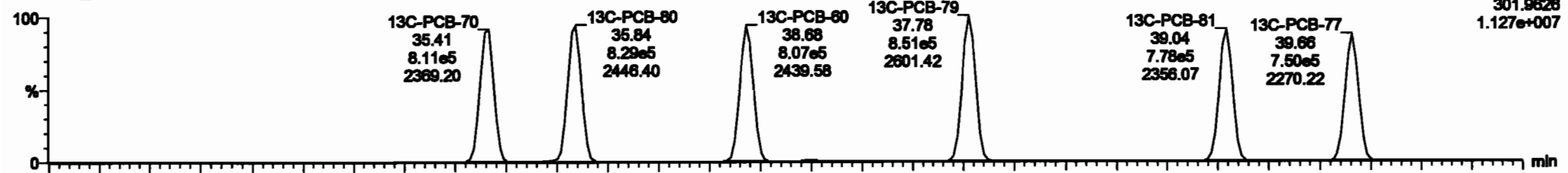


200601K1\_2

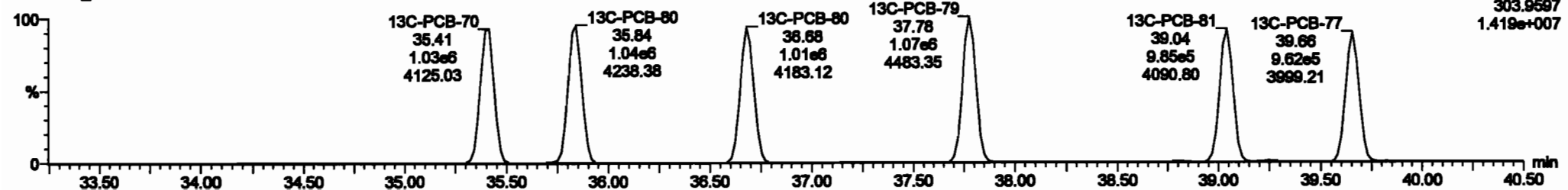


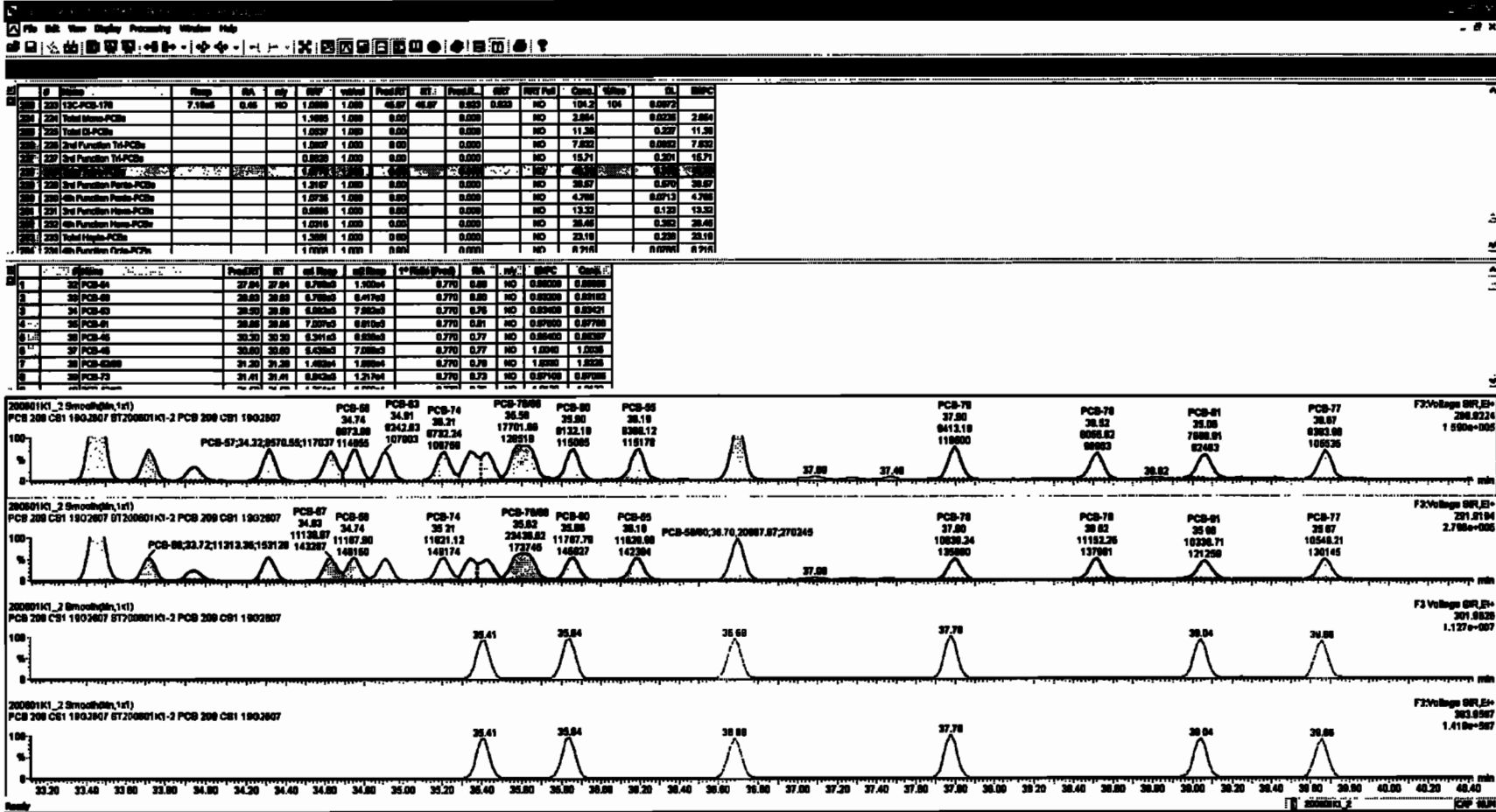
13C-PCB-60

200601K1\_2



200601K1\_2



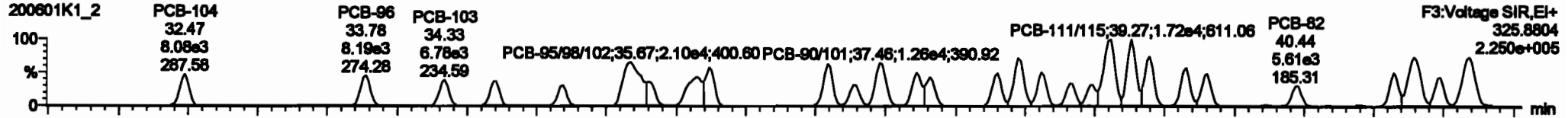


Dataset: Untitled

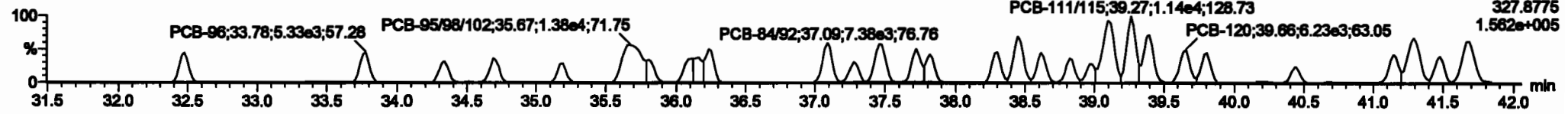
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_2, Date: 01-Jun-2020, Time: 13:18:19, ID: ST200601K1-2 PCB 209 CS1 19G2607, Description: PCB 209 CS1 19G2607

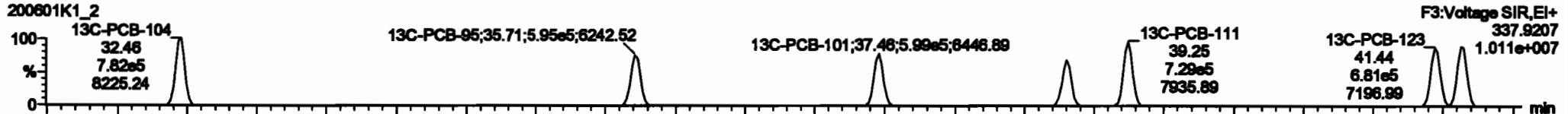
**PCB-104**



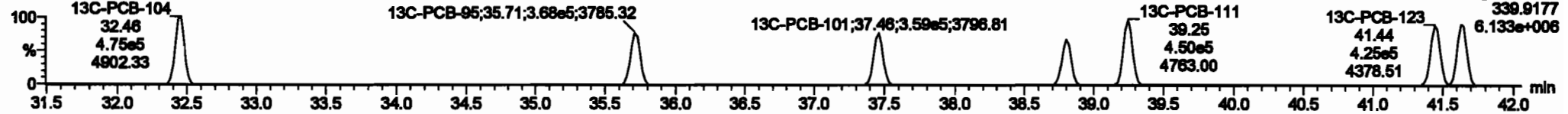
**200601K1\_2**



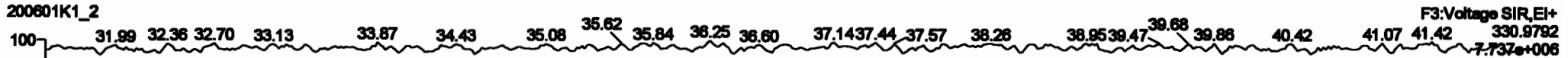
**13C-PCB-104**



**200601K1\_2**



**PFK3b**



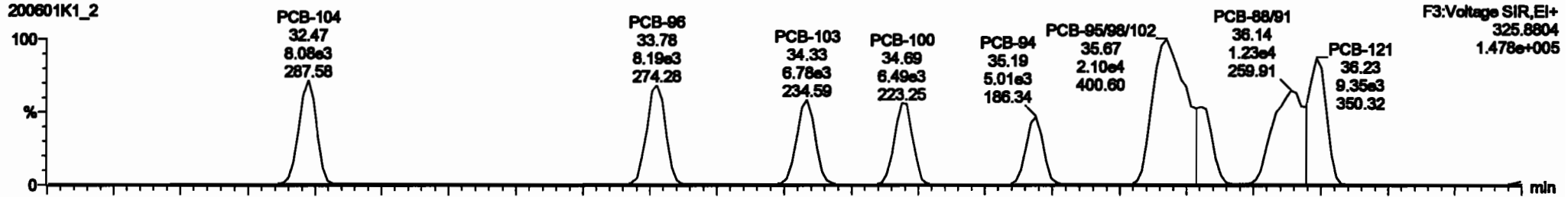


Dataset: Untitled

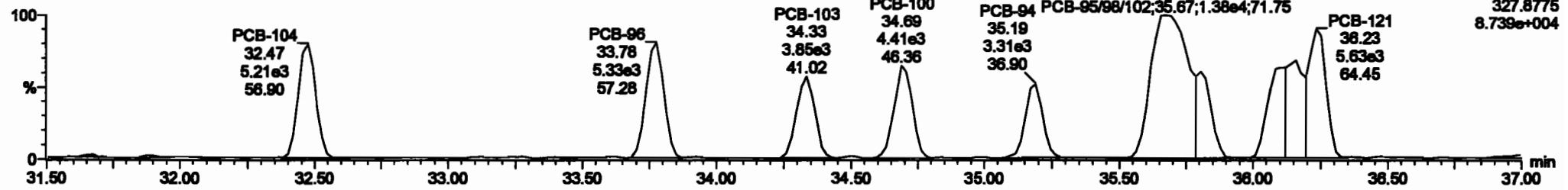
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_2, Date: 01-Jun-2020, Time: 13:18:19, ID: ST200601K1-2 PCB 209 CS1 19G2607, Description: PCB 209 CS1 19G2607

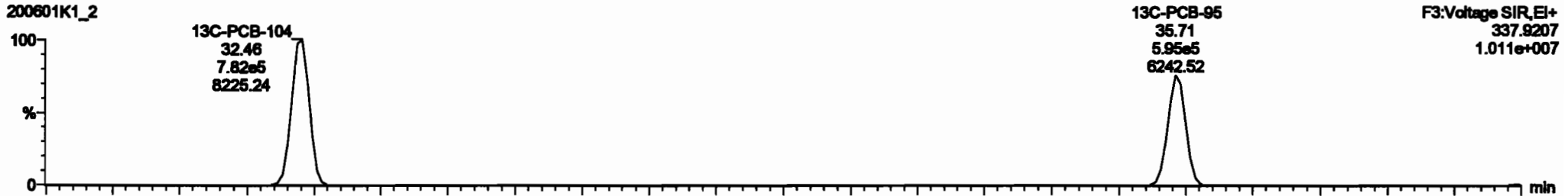
PCB-96



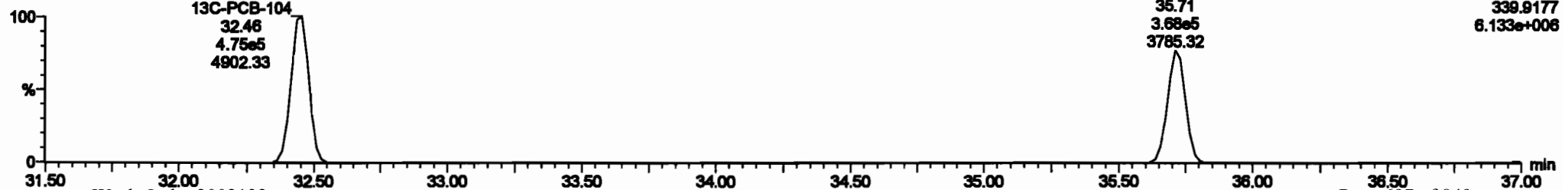
200601K1\_2



13C-PCB-95

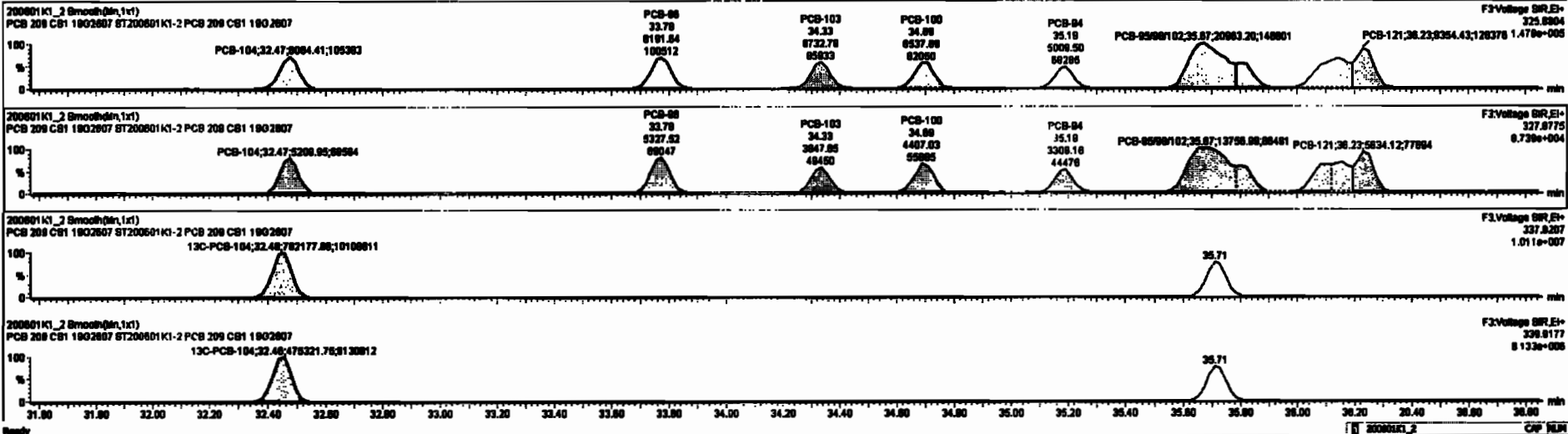


200601K1\_2



#	Name	Step	PA	Qty	QSP	Initial	Prod RT	RT	PSpec	QRT	QRT Fail	Qns.	Stk	DL	EMPC
223	13C-PCB-178	7.1Inch	0.45	NO	1.2000	1.000	46.87	46.87	0.000	0.000	NO	104.2	104	0.0072	
224	Total Micro-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	2.864		0.0000	2.864
225	Total Di-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	11.38		0.227	11.38
226	2nd Function Tri-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	7.802		0.0000	7.802
227	3rd Function Tri-PCBs				0.0000	1.000	0.00	0.00	0.000	0.000	NO	16.71		0.201	16.71
228	Total Tribo-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	40.38		0.302	40.38
229	4th Function Pent-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	30.07		0.0000	30.07
230	6th Function Pent-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	4.785		0.0013	4.785
231	2nd Function Hexa-PCBs				0.0000	1.000	0.00	0.00	0.000	0.000	NO	13.32		0.123	13.32
232	4th Function Hexa-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	26.46		0.382	26.46
233	Total Hepta-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	23.19		0.238	23.19
234	2nd 4th Function Octa-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	0.0000		0.0000	0.0000

#	Name	Step	PA	Qty	QSP	Initial	Prod RT	RT	PSpec	QRT	QRT Fail	Qns.	Stk	DL	EMPC
64	PCB-104				32.47	32.47	0.000e0	0.210e3	1.000	1.00	NO	0.04300	0.04218		
65	PCB-88				33.78	33.78	0.100e3	0.320e3	1.000	1.04	NO	0.00200	0.00176		
66	PCB-103				34.33	34.33	0.720e3	3.000e3	1.000	1.75	NO	0.00000	0.00004		
67	PCB-100				34.88	34.88	0.000e3	4.400e3	1.000	1.48	NO	0.01300	0.01274		
68	PCB-84				35.18	35.18	0.010e3	3.300e3	1.000	1.01	NO	0.01000	0.00880		
69	PCB-8500102				35.87	35.87	2.000e4	1.370e4	1.000	1.82	NO	2.00000	2.00000		
70	PCB-88				36.78	36.78	0.200e3	3.300e3	1.000	1.88	NO	0.00000	0.00000		
71	PCB-8801				38.14	38.14	1.200e4	0.000e3	1.000	1.82	NO	1.0000	1.0001		



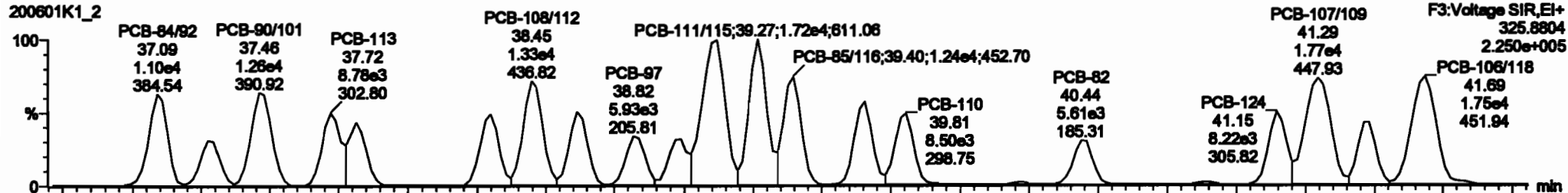
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

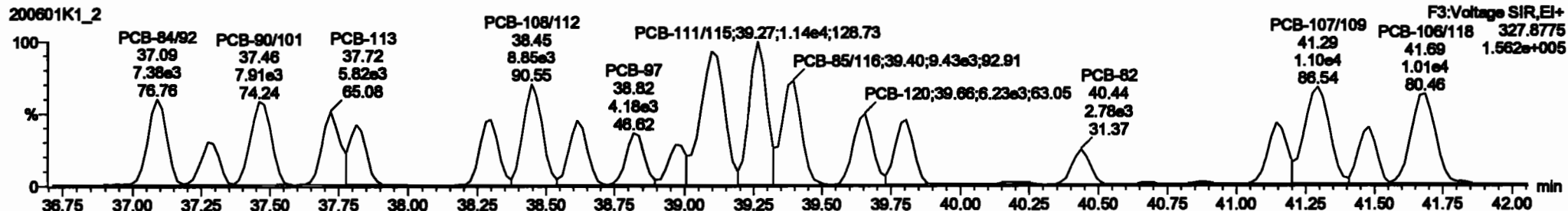
Name: 200601K1\_2, Date: 01-Jun-2020, Time: 13:18:19, ID: ST200601K1-2 PCB 209 CS1 19G2607, Description: PCB 209 CS1 19G2607

**PCB-119**

200601K1\_2

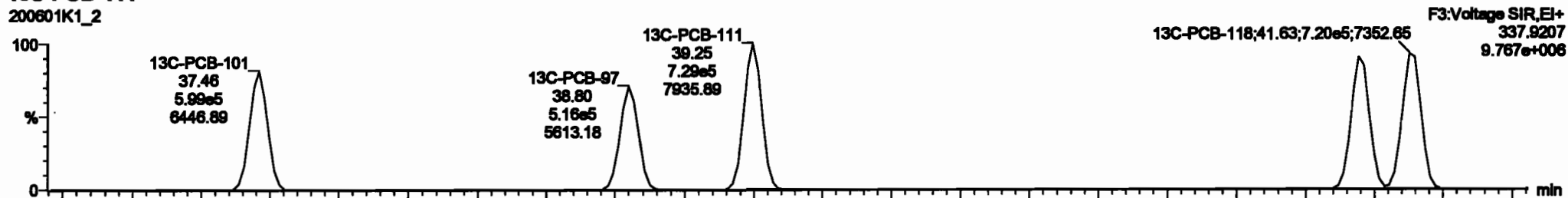


200601K1\_2

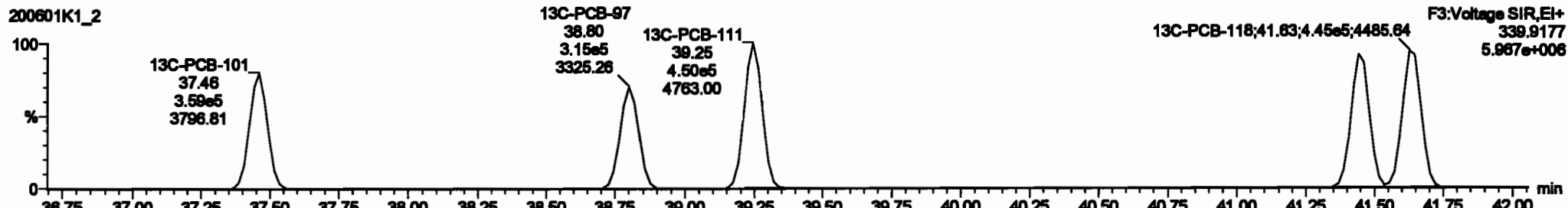


**13C-PCB-111**

200601K1\_2

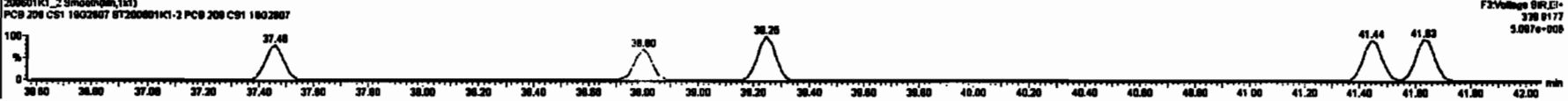
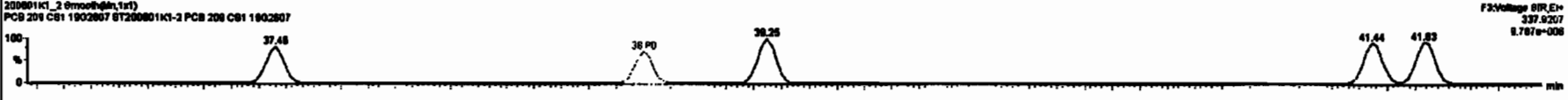
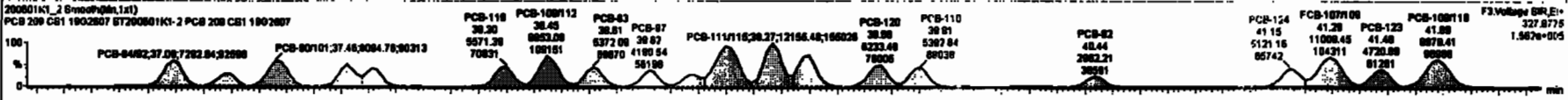
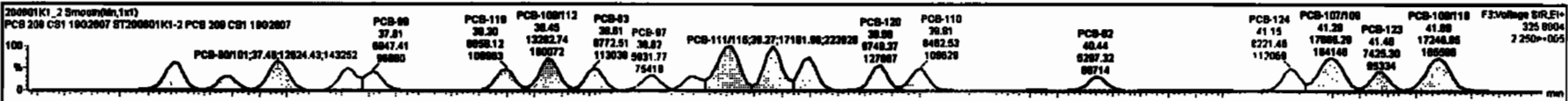


200601K1\_2



#	Name	Range	RA	SLY	RPV	VolVol	Presd/RT	RT	Presd/L	RPV	RPV/Pd	Comp	RPV	SL	RMPC
220	220 1SC-PCB-178	7.14e6	0.48	ND	1.0000	1.000	48.87	48.87	0.023	0.023	ND	104.3	104	0.0072	
221	220 Total Mono-PCBs				1.0000	1.000			0.000		ND	2.854		0.0236	2.854
222	220 Total Di-PCBs				1.0000	1.000			0.000		ND	11.30		0.227	11.30
223	220 2nd Function Tri-PCBs				1.0000	1.000			0.000		ND	7.850		0.0852	7.850
224	220 2nd Function Tetra-PCBs				0.0000	1.000			0.000		ND	16.71		0.201	16.71
225	220 Total Tetra-PCBs				1.0000	1.000			0.000		ND	40.50		0.582	40.50
226	220 4th Function Penta-PCBs				1.0000	1.000			0.000		ND	4.760		0.0913	4.760
227	220 2nd Function Hexa-PCBs				0.0000	1.000			0.000		ND	13.50		0.130	13.50
228	220 4th Function Hepta-PCBs				1.0000	1.000			0.000		ND	38.40		0.382	38.40
229	220 Total Hepta-PCBs				1.0000	1.000			0.000		ND	23.10		0.230	23.10
230	220 4th Function Octa-PCBs				1.0000	1.000			0.000		ND	8.910		0.0900	8.910

#	Name	Presd/RT	RT	Vol Range	Vol/Range	Y' Ratio (Peak)	RA	SLY	RMPC	Comp
1	66 PCB-104	32.47	32.47	0.894e3	0.210e3	1.000	1.26	ND	0.84200	0.84210
2	66 PCB-88	33.78	33.78	0.162e3	0.320e3	1.000	1.84	ND	0.82200	0.82175
3	66 PCB-108	34.20	34.20	0.720e3	3.040e3	1.000	1.76	ND	0.80000	0.80044
4	67 PCB-100	34.80	34.80	0.530e3	4.40e3	1.000	1.48	ND	0.81300	0.81274
5	68 PCB-84	35.10	35.10	0.010e3	3.30e3	1.000	1.81	ND	0.81000	0.80980
6	68 PCB-66/68/102	35.87	35.87	2.080e3	1.370e4	1.000	1.82	ND	2.800	2.8022
7	70 PCB-83	35.70	35.81	0.280e3	3.30e3	1.000	1.80	ND	0.80700	0.80738
8	71 PCB-88/81	38.14	38.14	1.220e3	0.007e3	1.000	1.82	ND	1.870	1.8701
9	72 PCB-121	38.20	38.20	0.300e3	0.000e3	1.000	1.82	ND	0.81000	0.81000

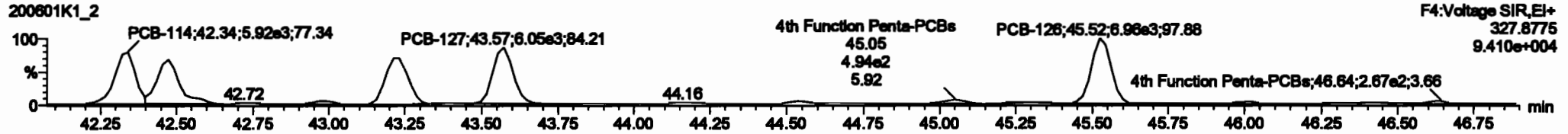
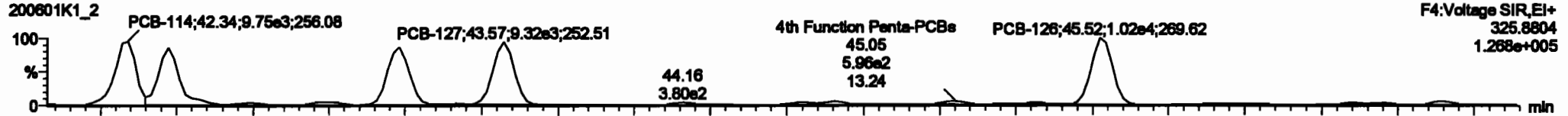


Dataset: Untitled

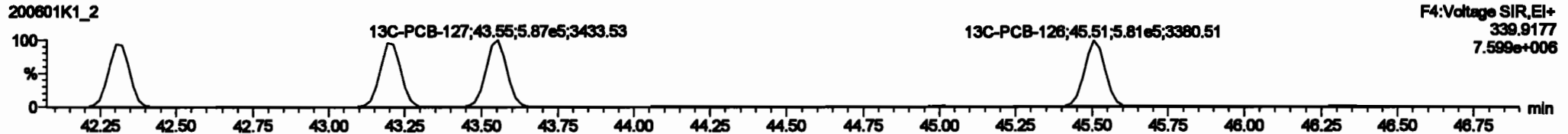
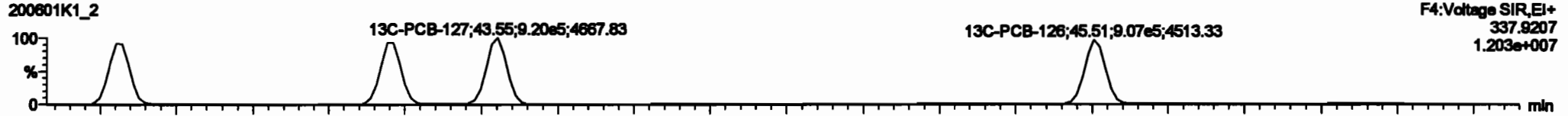
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_2, Date: 01-Jun-2020, Time: 13:18:19, ID: ST200601K1-2 PCB 209 CS1 19G2607, Description: PCB 209 CS1 19G2607

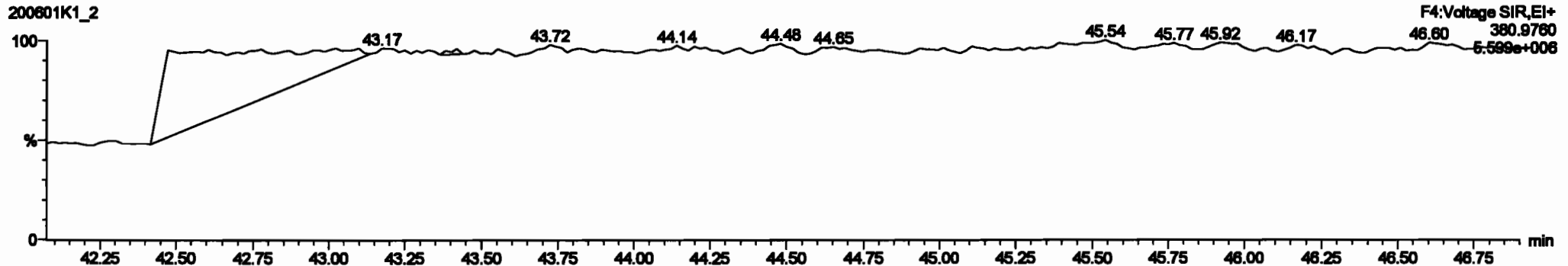
**PCB-114**



**13C-PCB-114**

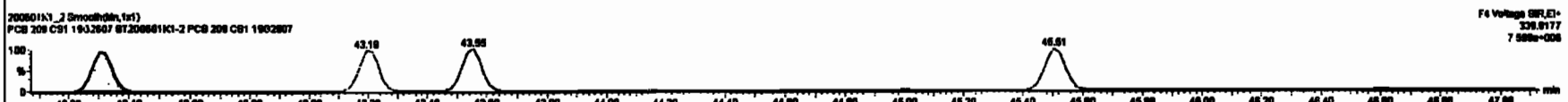
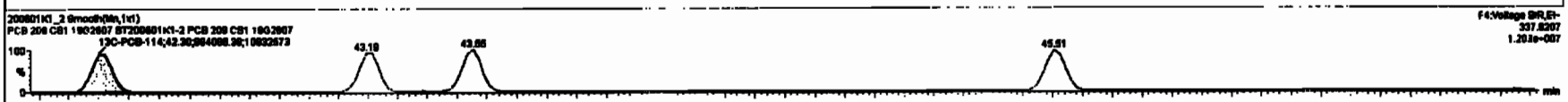
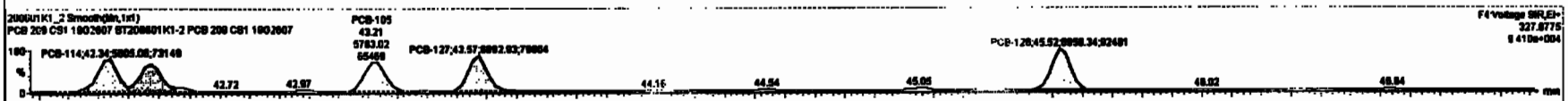
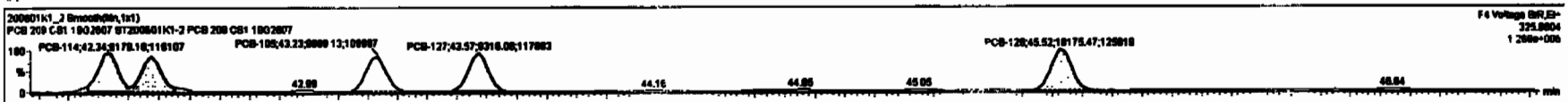


**PFK4a**



#	Name	Area	RA	Wt	FWT	Wdth	PeakRT	RT	PeakID	FWT	Wdth	Area	Wt%	GC	WPC
220	12C-PCB-170	7.18e5	0.45	NO	1.0000	1.000	45.97	45.97	0.023	0.023	NO	104.2	104	0.0072	
224	Total Mono-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	2.804		0.0206	2.804
226	Total Di-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	11.38		0.327	11.38
228	Total Tri-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	7.832		0.0002	7.832
229	Total Tetra-PCBs				0.0020	1.000	0.00	0.00	0.000	0.000	NO	18.71		0.301	18.71
230	Total Penta-PCBs				1.0770	1.000	0.00	0.00	0.000	0.000	NO	40.38		0.302	40.38
231	Total Hexa-PCBs				1.2167	1.000	0.00	0.00	0.000	0.000	NO	38.67		0.670	38.67
232	Total Hepta-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	0.000		0.000	0.000
233	Total Octa-PCBs				0.0000	1.000	0.00	0.00	0.000	0.000	NO	13.32		0.123	13.32
234	Total Non-PCBs				1.0016	1.000	0.00	0.00	0.000	0.000	NO	28.48		0.302	28.48
235	Total PCBs				1.3081	1.000	0.00	0.00	0.000	0.000	NO	23.10		0.320	23.10
236	Total PCBs (Area)				1.0000	1.000	0.00	0.00	0.000	0.000	NO	8.918		0.000	8.918

#	Name	Area	Wt	FWT	Wdth	PeakRT	RT	PeakID	FWT	Wdth	Area	Wt%
1	PCB-114	42.35	42.34	0.170e3	0.020e3	1.000	1.00	NO	0.00100	0.00002		
2	PCB-122	42.47	42.47	0.200e3	0.111e3	1.000	1.00	NO	0.00700	0.00001		
3	PCB-105	43.31	43.23	0.000e3	0.703e3	1.000	1.00	NO	0.00700	0.00011		
4	PCB-127	43.97	43.97	0.310e3	0.003e3	1.000	1.00	NO	0.00000	0.00032		
5	PCB-128	45.02	45.02	1.010e4	0.000e3	1.000	1.00	NO	0.00200	0.00210		



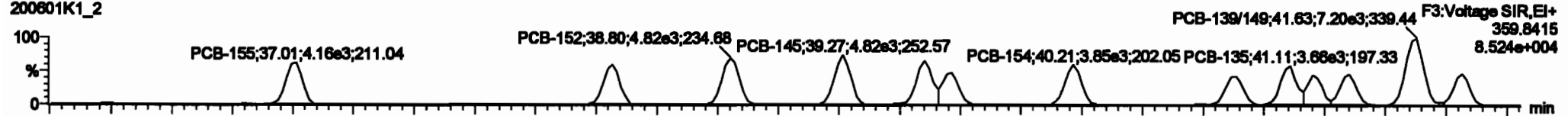
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

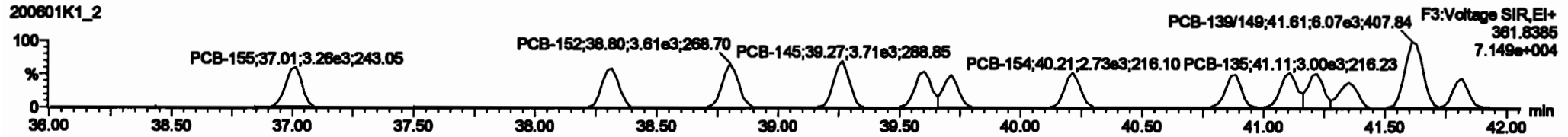
Name: 200601K1\_2, Date: 01-Jun-2020, Time: 13:18:19, ID: ST200601K1-2 PCB 209 CS1 19G2607, Description: PCB 209 CS1 19G2607

**PCB-155**

200601K1\_2



200601K1\_2

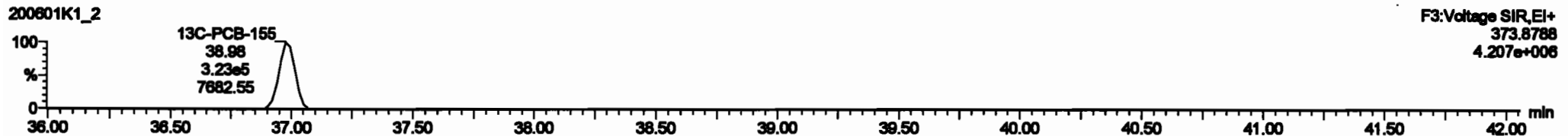


**13C-PCB-155**

200601K1\_2

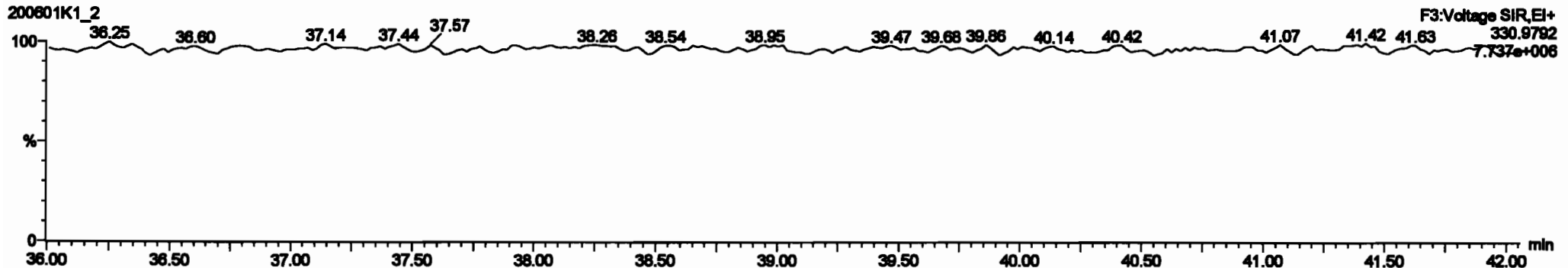


200601K1\_2



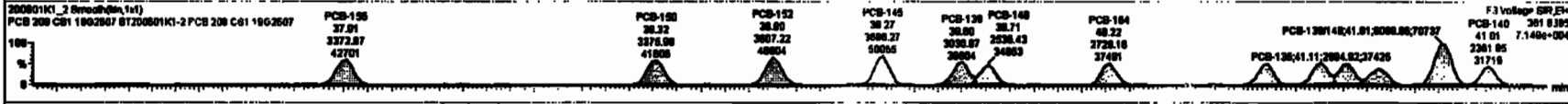
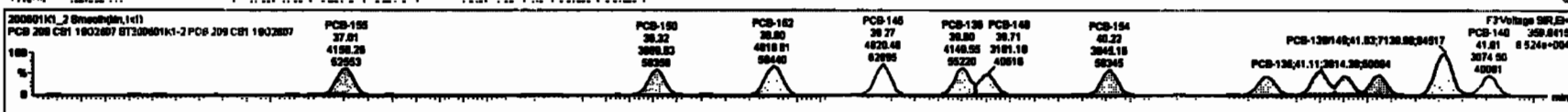
**PFK3c**

200601K1\_2



#	Name	Range	Min	Max	PPM	Volts	Prod.HT	Prod.LT	Prod.HT	Prod.LT	Prod.HT	Prod.LT	Prod.HT	Prod.LT	Prod.HT	Prod.LT	Prod.HT	Prod.LT
220	13C-PCB-178	7.18ud	0.45	ND	1.0000	1.000	46.67	46.67	0.000	0.000	ND	104.2	104	0.0072				
224	Total Mono-PCBs				1.1895	1.000	0.00	0.00	0.000	0.000	ND	2.894		0.0236	2.894			
226	Total Di-PCBs				1.0007	1.000	0.00	0.00	0.000	0.000	ND	11.30		0.207	11.30			
228	2nd Function Tri-PCBs				1.0007	1.000	0.00	0.00	0.000	0.000	ND	7.830		0.0000	7.830			
227	2nd Function Tetra-PCBs				0.0028	1.000	0.00	0.00	0.000	0.000	ND	16.71		0.201	16.71			
229	Total Penta-PCBs				1.0778	1.000	0.00	0.00	0.000	0.000	ND	48.30		0.362	48.30			
230	2nd Function Penta-PCBs				1.3157	1.000	0.00	0.00	0.000	0.000	ND	38.57		0.076	38.57			
232	4th Function Penta-PCBs				1.0726	1.000	0.00	0.00	0.000	0.000	ND	4.788		0.0712	4.788			
234	2nd Function Hexa-PCBs				1.0718	1.000	0.00	0.00	0.000	0.000	ND	28.48		0.282	28.48			
236	Total Hepta-PCBs				1.0001	1.000	0.00	0.00	0.000	0.000	ND	23.18		0.228	23.18			
235	2nd 4th Function Octa-PCBs				1.0768	1.000	0.00	0.00	0.000	0.000	ND	8.718		0.0760	8.718			

#	Name	Prod.HT	Prod.LT	Volts	Prod.HT	Prod.LT	Prod.HT	Prod.LT	Prod.HT	Prod.LT	Prod.HT	Prod.LT	Prod.HT	Prod.LT	Prod.HT	Prod.LT	Prod.HT	Prod.LT
88	PCB-188	38.88	37.81	4.188e3	3.27e3	1.240	1.29	ND	0.89180	0.89137								
89	PCB-189	38.33	38.33	3.888e3	3.37e3	1.240	1.18	ND	0.91280	0.91238								
90	PCB-192	38.88	38.88	4.817e3	3.807e3	1.240	1.24	ND	0.88880	0.88881								
101	PCB-145	38.27	38.27	4.828e3	3.88e3	1.240	1.21	ND	0.87480	0.87388								
102	PCB-128	38.88	38.88	4.188e3	3.81e3	1.240	1.27	ND	0.89780	0.89678								
103	PCB-148	38.71	38.71	3.188e3	2.58e3	1.240	1.28	ND	0.89880	0.89888								
104	PCB-158	48.21	48.21	3.88e3	2.78e3	1.240	1.41	ND	0.87280	0.87218								
105	PCB-161	48.88	48.88	3.88e3	2.88e3	1.240	1.16	ND	1.0070	1.0070								
106	PCB-126	41.51	41.51	3.81e3	2.88e3	1.240	1.27	ND	1.0040	1.0044								



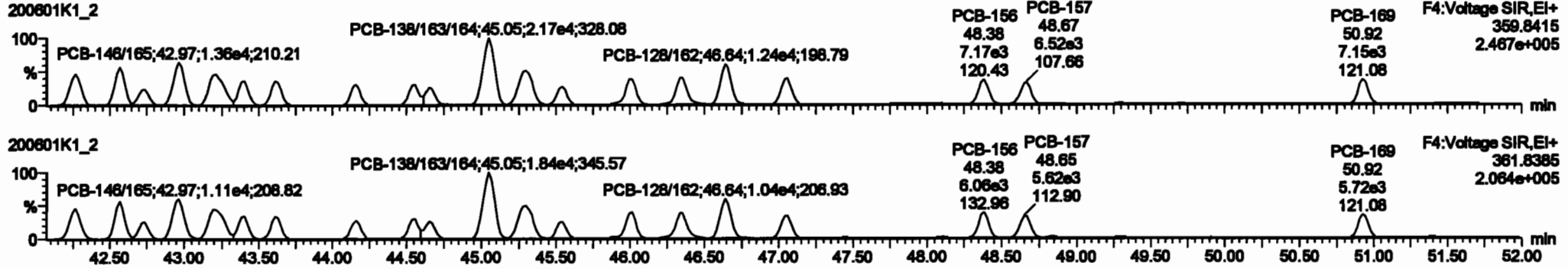


Dataset: Untitled

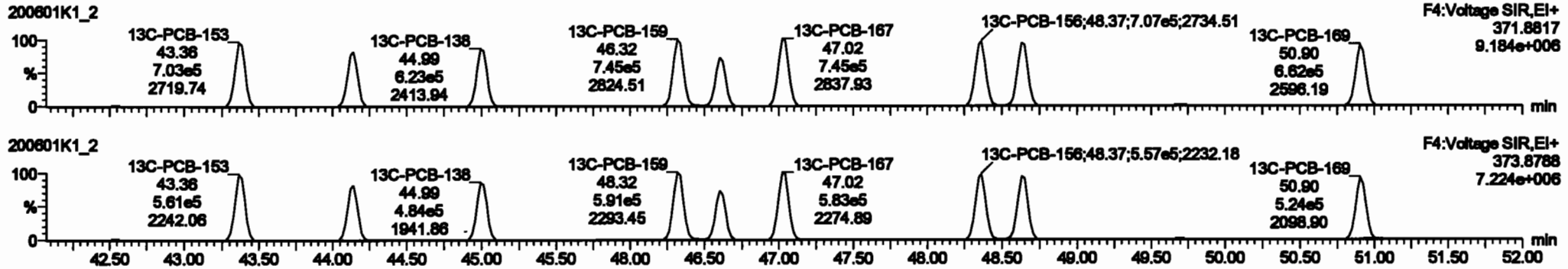
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_2, Date: 01-Jun-2020, Time: 13:18:19, ID: ST200601K1-2 PCB 209 CS1 19G2607, Description: PCB 209 CS1 19G2607

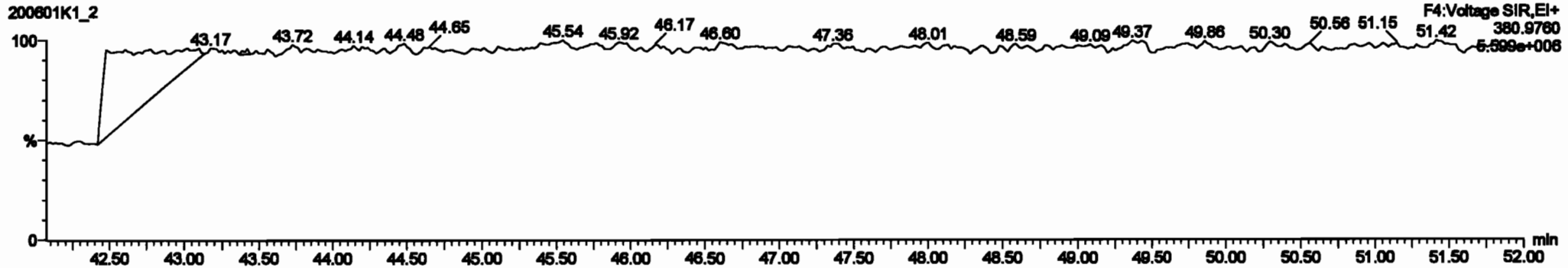
**PCB-134/143**

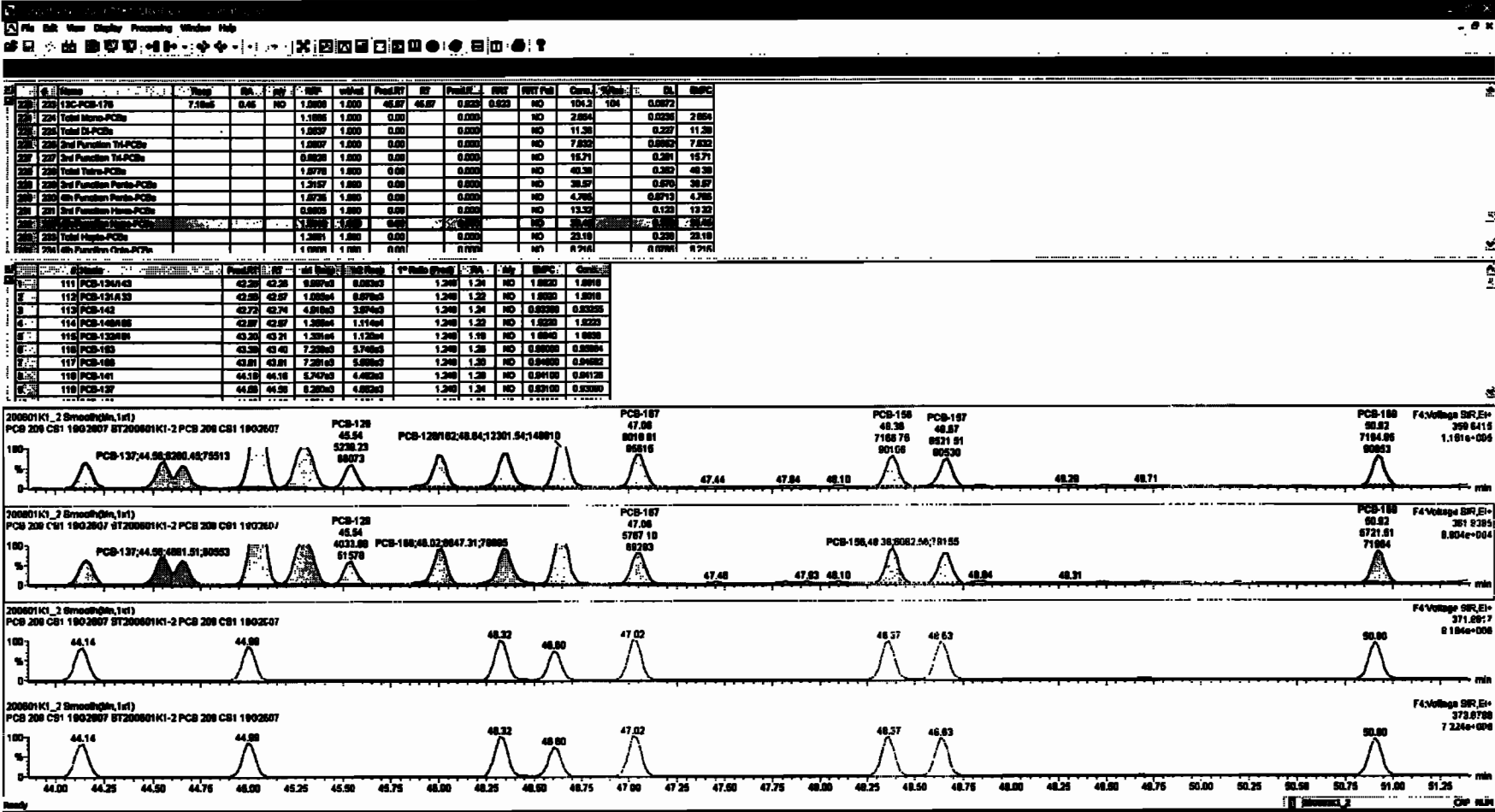


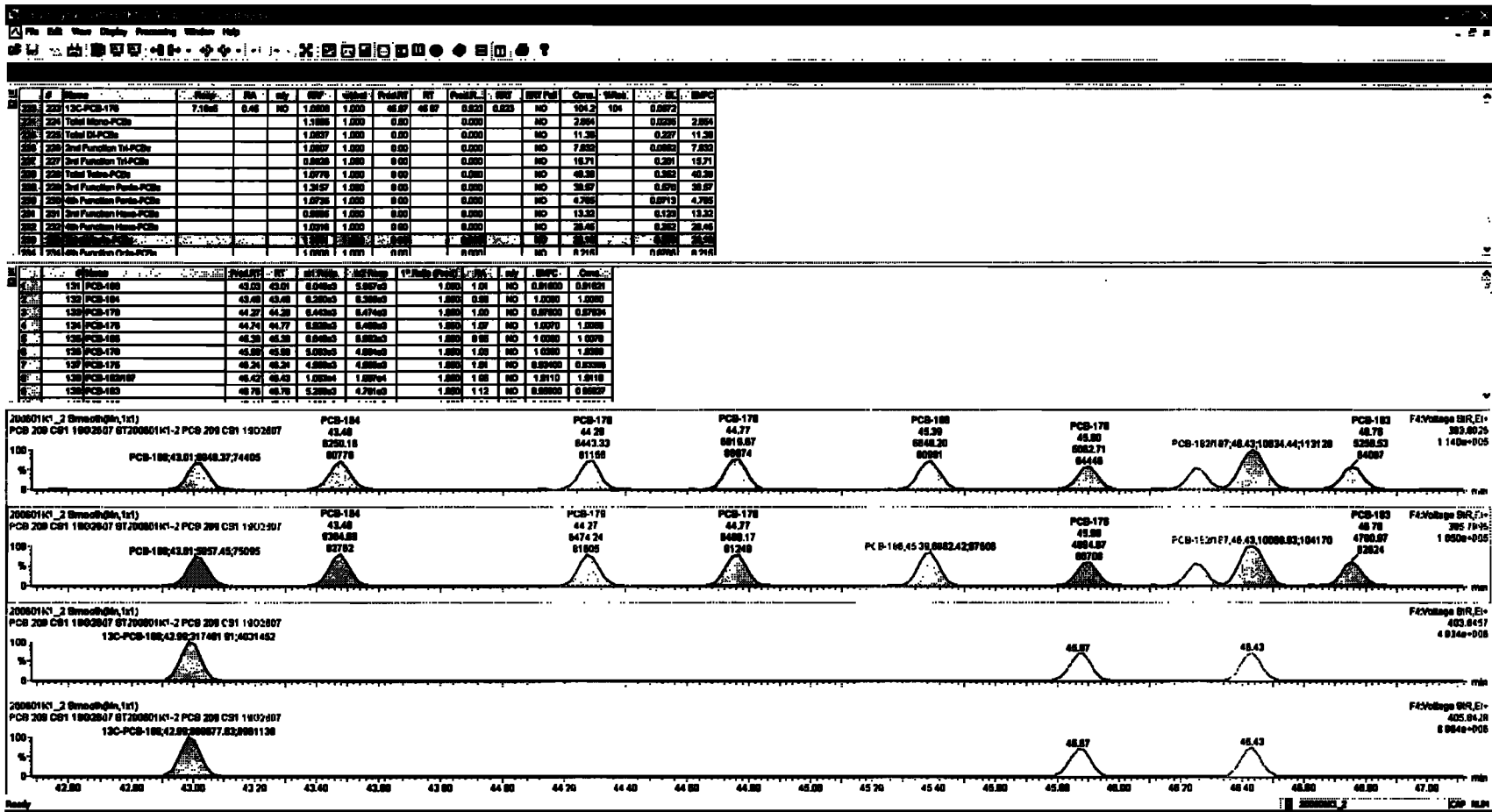
**13C-PCB-153**



**PFK4b**





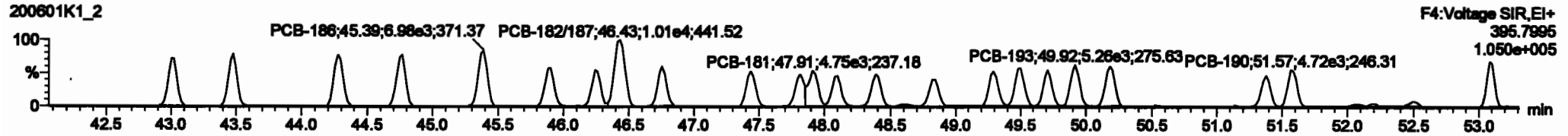
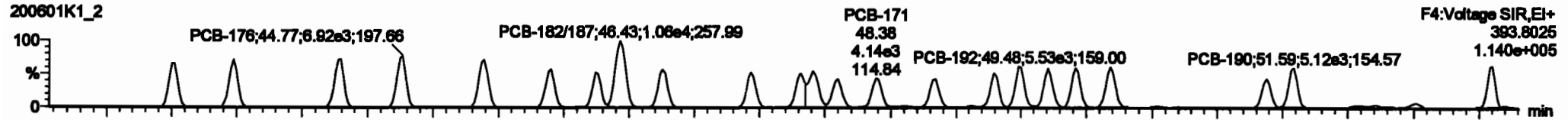


Dataset: Untitled

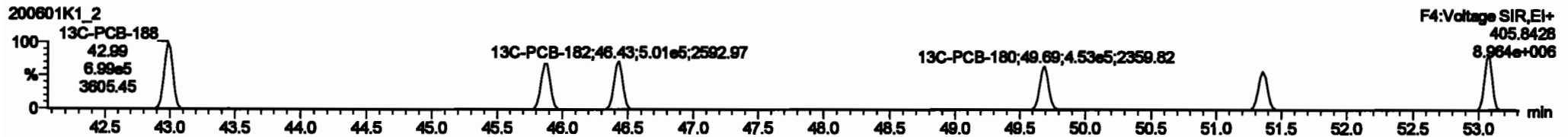
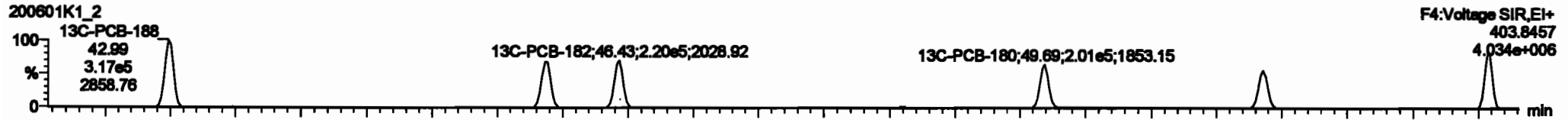
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_2, Date: 01-Jun-2020, Time: 13:18:19, ID: ST200601K1-2 PCB 209 CS1 19G2607, Description: PCB 209 CS1 19G2607

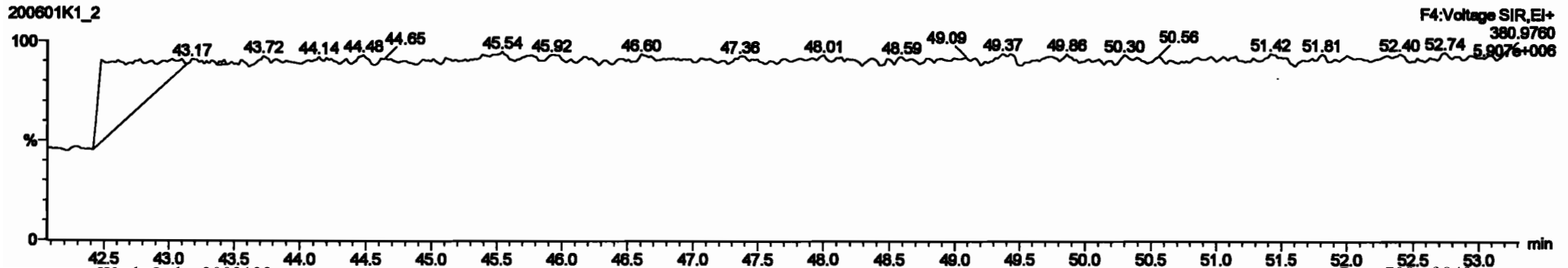
PCB-188



13C-PCB-188

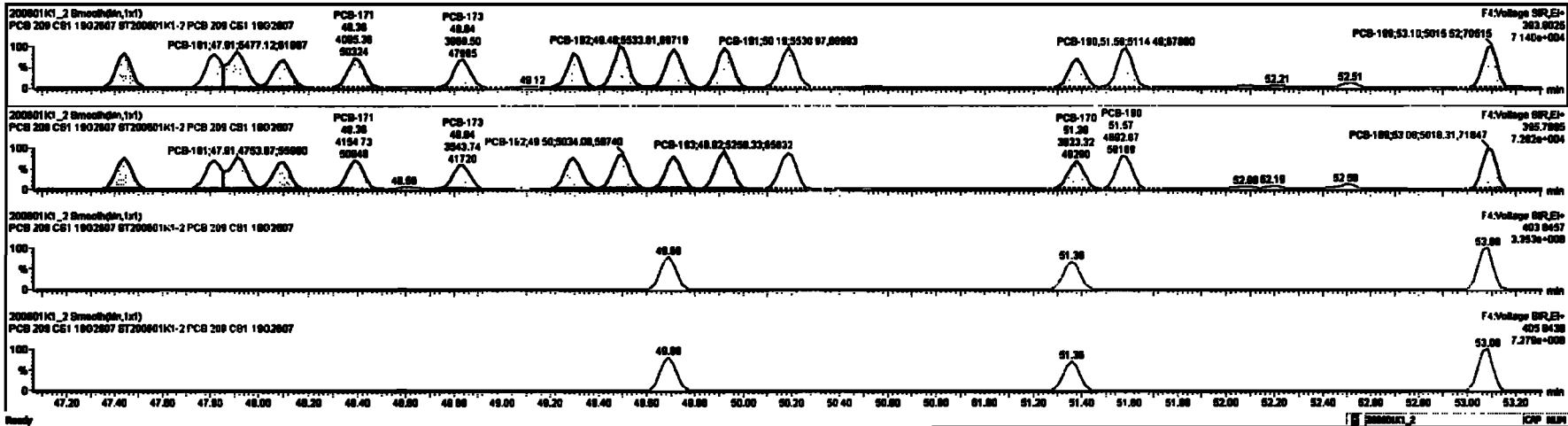


PFK4c



Peak	Ret.	Area	Height	Width	Area%	Height%	Resolution	SNR	Core.	Class	DL	BPFC	
220	13C-PCB-178	7.18e5	0.45	ND	1.0000	1.000	46.87	46.87	0.000	0.000	ND	104.2	0.0073
221	Total Mono-PCBs				1.1886	1.000	0.00	0.000	ND	2.884	0.0230	2.884	
222	Total Di-PCBs				1.0537	1.000	0.00	0.000	ND	11.38	0.227	11.38	
223	2nd Function Tri-PCBs				1.0607	1.000	0.00	0.000	ND	7.632	0.0863	7.632	
224	3rd Function Tri-PCBs				0.8528	1.000	0.00	0.000	ND	16.71	0.201	16.71	
225	Total Tetra-PCBs				1.0778	1.000	0.00	0.000	ND	40.38	0.302	40.38	
226	2nd Function Penta-PCBs				1.2167	1.000	0.00	0.000	ND	38.97	0.670	38.97	
227	4th Function Penta-PCBs				1.0735	1.000	0.00	0.000	ND	4.785	0.0713	4.785	
228	3rd Function Hexa-PCBs				0.8835	1.000	0.00	0.000	ND	13.33	0.123	13.33	
229	4th Function Hexa-PCBs				1.0318	1.000	0.00	0.000	ND	28.46	0.282	28.46	
230	2nd 4th Function Octa-PCBs				1.0078	1.000	0.00	0.000	ND	8.918	0.0991	8.918	

Peak	Ret.	Area	Height	Width	Area%	Height%	Resolution	SNR	Core.	Class	DL	BPFC
131	PCB-188	43.03	43.01	0.050e3	0.007e3	1.000	1.01	ND	0.91800	0.91821		
132	PCB-184	43.48	43.48	0.200e3	0.200e3	1.000	0.98	ND	1.0000	1.0000		
133	PCB-178	44.27	44.28	0.443e3	0.474e3	1.000	1.00	ND	0.97800	0.97834		
134	PCB-178	44.74	44.77	0.820e3	0.488e3	1.000	1.07	ND	1.0070	1.0088		
135	PCB-188	46.38	46.38	0.848e3	0.882e3	1.000	0.98	ND	1.0000	1.0079		
136	PCB-178	46.88	46.88	0.003e3	4.884e3	1.000	1.00	ND	1.0000	1.0088		
137	PCB-178	48.24	48.24	4.884e3	4.884e3	1.000	1.01	ND	0.99400	0.92988		
138	PCB-182/187	48.43	48.43	1.000e4	1.000e4	1.000	1.08	ND	1.0110	1.0110		
139	PCB-188	48.78	48.78	0.200e3	4.701e3	1.000	1.12	ND	0.98800	0.88807		



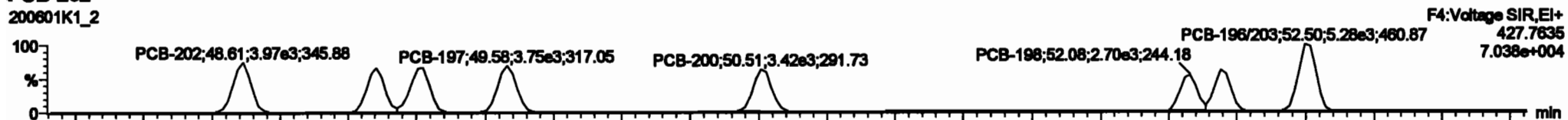
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

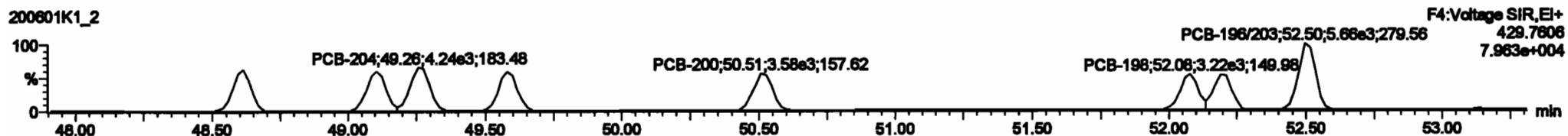
Name: 200601K1\_2, Date: 01-Jun-2020, Time: 13:18:19, ID: ST200601K1-2 PCB 209 CS1 19G2607, Description: PCB 209 CS1 19G2607

**PCB-202**

200601K1\_2



200601K1\_2

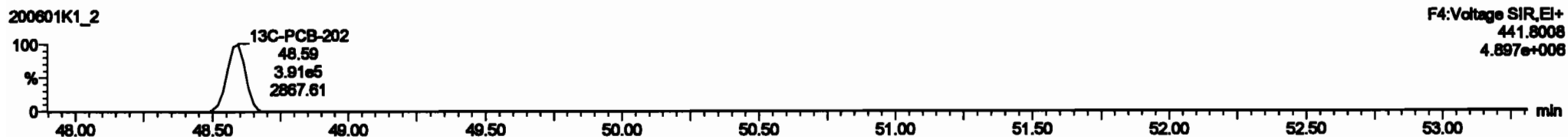


**13C-PCB-202**

200601K1\_2

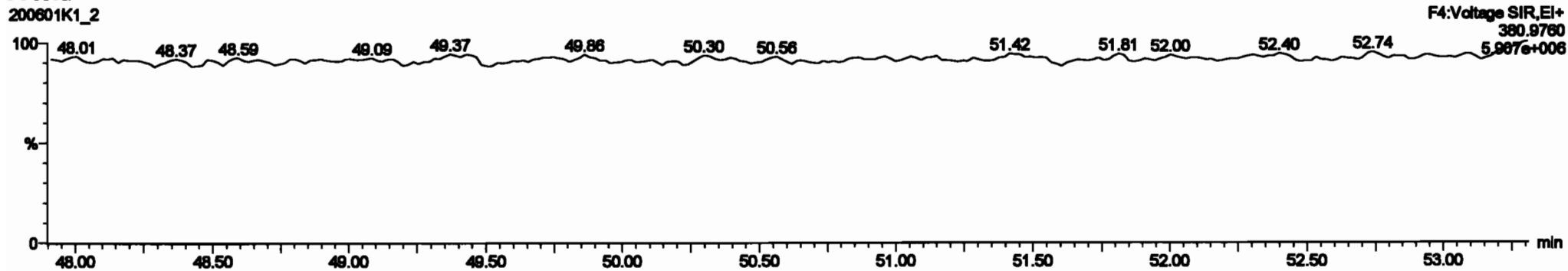


200601K1\_2



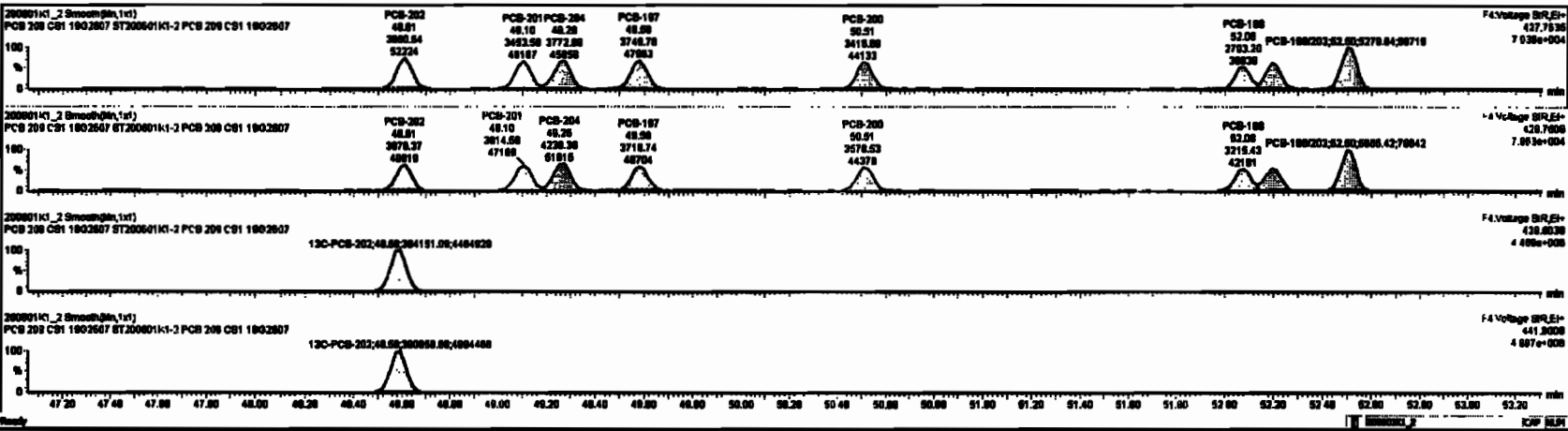
**PFK4d**

200601K1\_2



#	Area	Range	Min	Max	Area	Height	Width	Area%	Height%	Width%	Area	Height	Width	Area%	Height%	Width%	Area	Height	Width
223	13C-PCB-179	7.16nd	0.46	ND	1.5800	1.800	46.67	0.020	0.020	ND	104.2	104	0.0072						
224	Total Mono-PCBs				1.5800	1.800	0.00	0.000	ND	ND	2.884	2.884	0.0200	2.884					
225	Total Di-PCBs				1.8807	1.800	0.00	0.000	ND	ND	11.30	11.30	0.2207	11.30					
226	Total Tri-PCBs				1.8807	1.800	0.00	0.000	ND	ND	7.800	7.800	0.0000	7.800					
227	2nd Function Tri-PCBs				0.8808	1.800	0.00	0.000	ND	ND	16.71	16.71	0.201	16.71					
228	Total Tetra-PCBs				1.8778	1.800	0.00	0.000	ND	ND	40.30	40.30	0.380	40.30					
229	2nd Function Tetra-PCBs				1.3167	1.800	0.00	0.000	ND	ND	38.67	38.67	0.870	38.67					
230	3rd Function Tetra-PCBs				1.5611	1.800	0.00	0.000	ND	ND	1.63	1.63	0.013	1.63					
231	2nd Function Mono-PCBs				0.8808	1.800	0.00	0.000	ND	ND	13.32	13.32	0.120	13.32					
232	3rd Function Mono-PCBs				1.0000	1.800	0.00	0.000	ND	ND	26.98	26.98	0.380	26.98					
233	Total Tetra-PCBs				1.2581	1.800	0.00	0.000	ND	ND	23.10	23.10	0.250	23.10					
234	Total Mono-PCBs				1.8807	1.800	0.00	0.000	ND	ND	4.705	4.705	0.013	4.705					

#	Area	Range	Min	Max	Area	Height	Width	Area%	Height%	Width%
1	194 PCB-202	48.83	48.81	3.991e0	3.878e0	0.000	1.00	ND	0.00000	0.00700
2	198 PCB-201	48.10	48.10	3.866e0	3.818e0	0.000	0.00	ND	0.01000	0.01400
3	199 PCB-204	48.26	48.26	3.772e0	4.230e0	0.000	0.00	ND	0.00000	0.00000
4	197 PCB-197	48.80	48.80	3.719e0	3.719e0	0.000	1.00	ND	0.00000	0.00700
5	195 PCB-200	50.01	50.01	3.474e0	3.500e0	0.000	0.00	ND	0.00000	0.00000
6	196 PCB-198	52.00	52.00	3.702e0	3.710e0	0.000	0.01	ND	0.00000	0.00770
7	193 PCB-199	52.10	52.10	3.524e0	3.540e0	0.000	0.00	ND	1.5270	1.5200
8	191 PCB-198200	52.63	52.63	6.380e0	6.486e0	0.000	0.00	ND	1.7200	1.7200



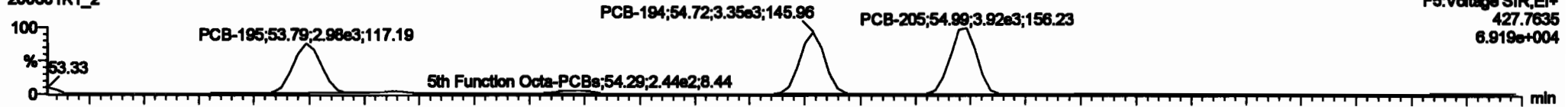
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

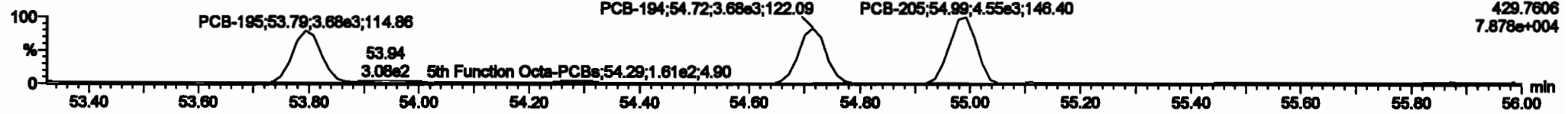
Name: 200601K1\_2, Date: 01-Jun-2020, Time: 13:18:19, ID: ST200601K1-2 PCB 209 CS1 19G2607, Description: PCB 209 CS1 19G2607

PCB-195

200601K1\_2

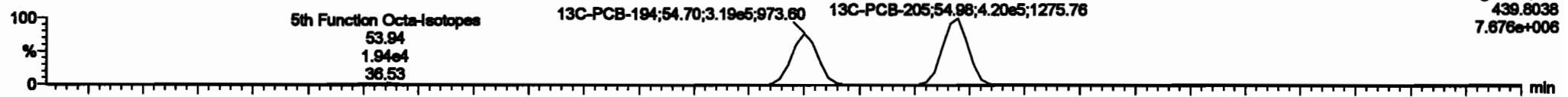


200601K1\_2

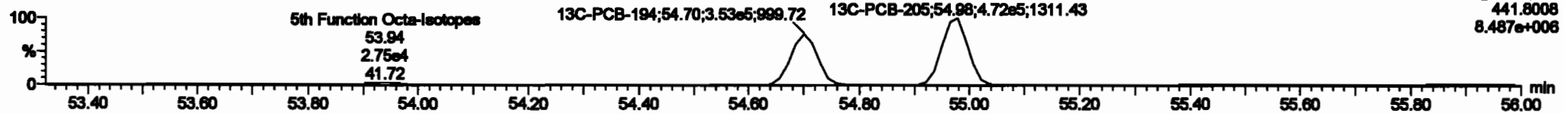


13C-PCB-194

200601K1\_2

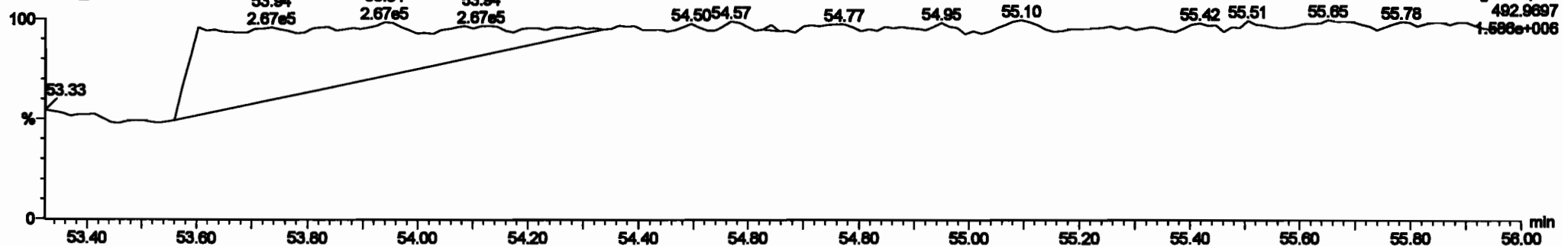


200601K1\_2



PFK5a

200601K1\_2





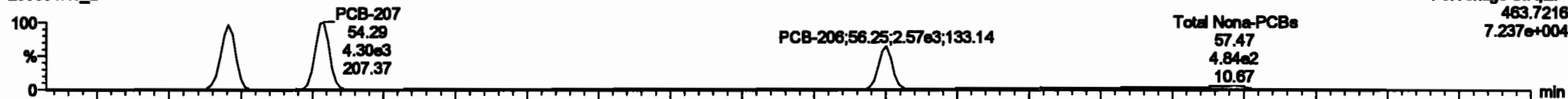
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

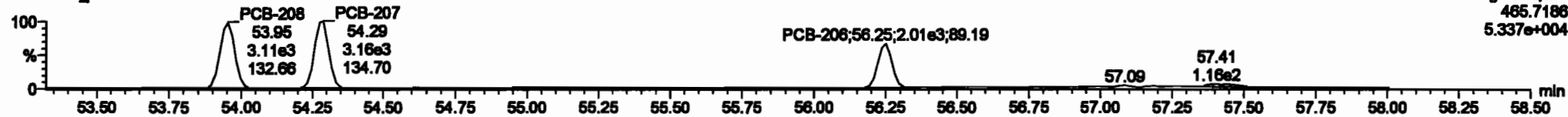
Name: 200601K1\_2, Date: 01-Jun-2020, Time: 13:18:19, ID: ST200601K1-2 PCB 209 CS1 19G2607, Description: PCB 209 CS1 19G2607

PCB-208

200601K1\_2

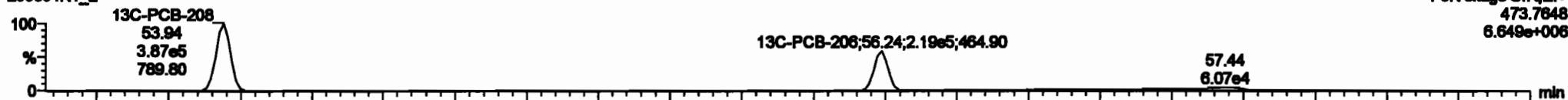


200601K1\_2

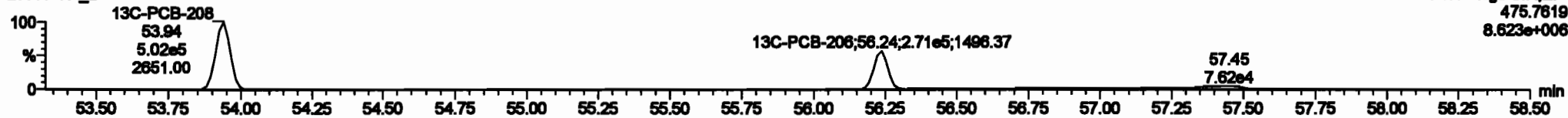


13C-PCB-208

200601K1\_2

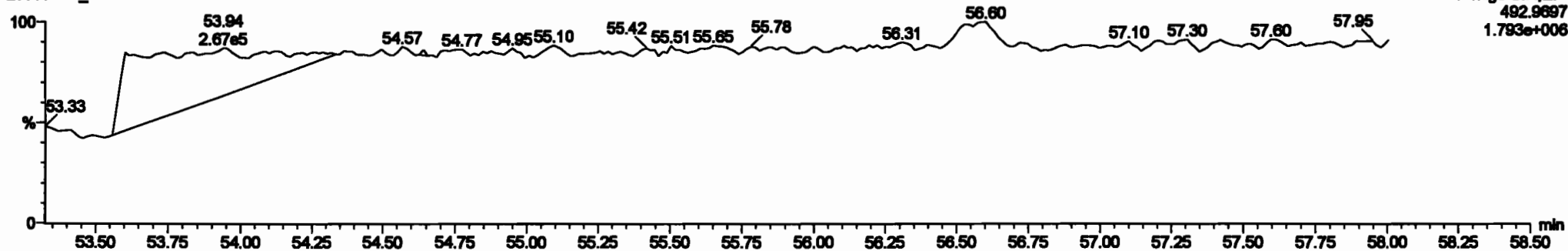


200601K1\_2



PFK5

200601K1\_2



Dataset: Untitled

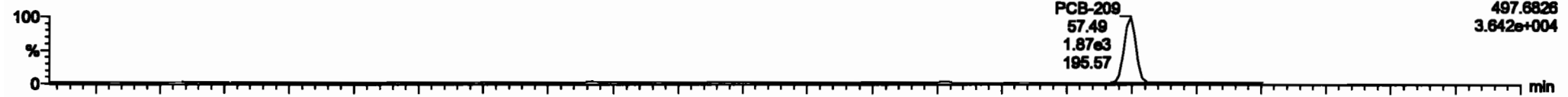
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

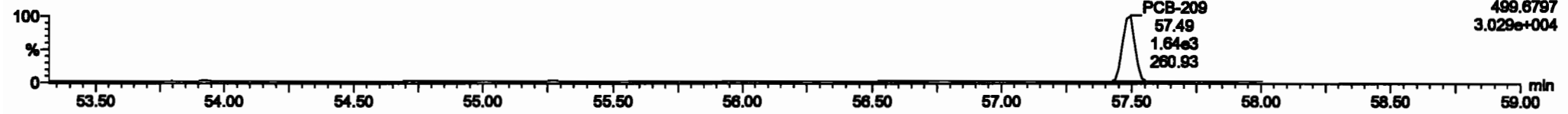
Name: 200601K1\_2, Date: 01-Jun-2020, Time: 13:18:19, ID: ST200601K1-2 PCB 209 CS1 19G2607, Description: PCB 209 CS1 19G2607

**PCB-209**

200601K1\_2

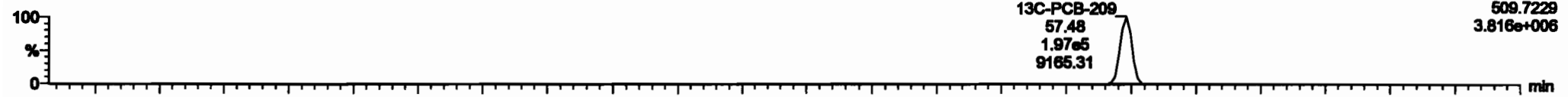


200601K1\_2

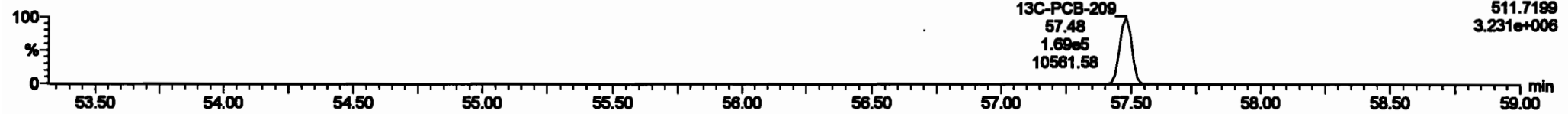


**13C-PCB-209**

200601K1\_2

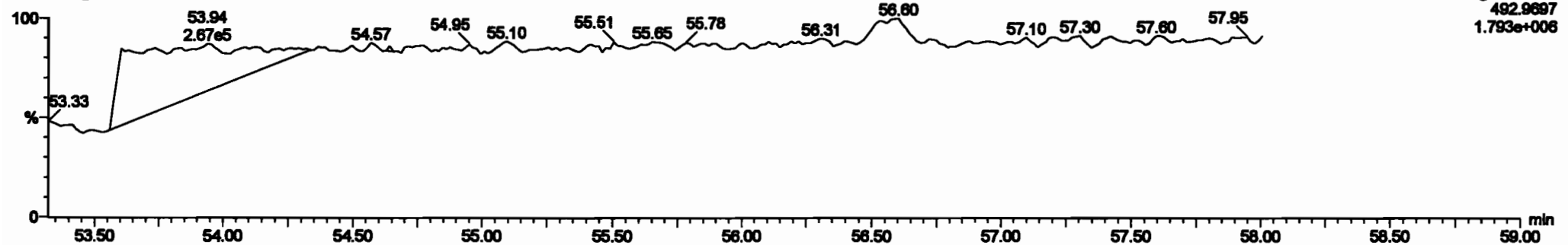


200601K1\_2



**PFK5b**

200601K1\_2



Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

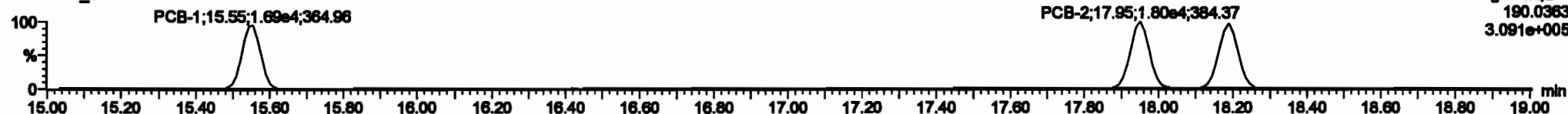
Name: 200601K1\_3, Date: 01-Jun-2020, Time: 14:19:00, ID: ST200601K1-3 PCB 209 CS2 19G2608, Description: PCB 209 CS2 19G2608

PCB-1

200601K1\_3



200601K1\_3

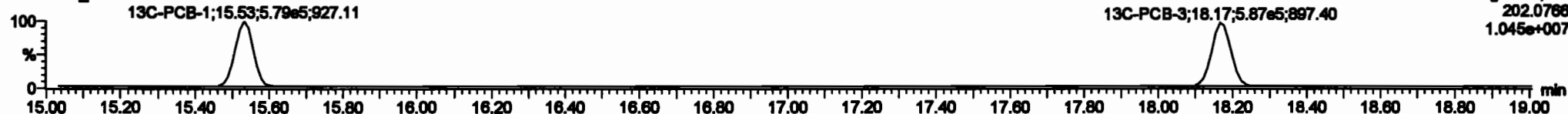


13C-PCB-1

200601K1\_3

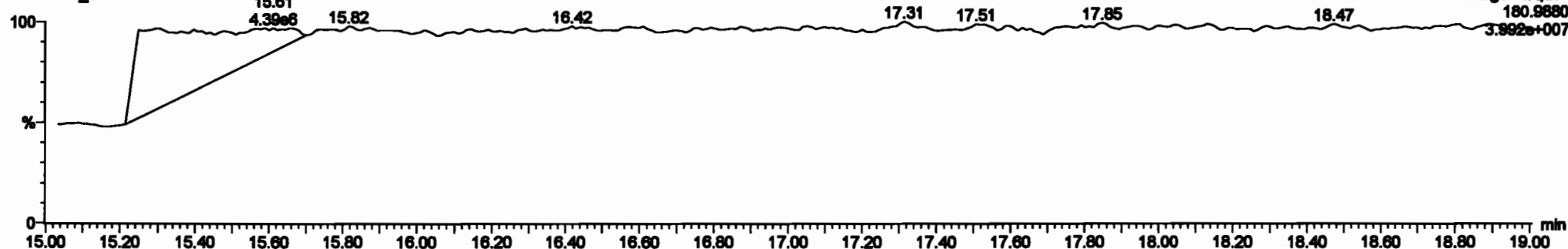


200601K1\_3



PFK1

200601K1\_3



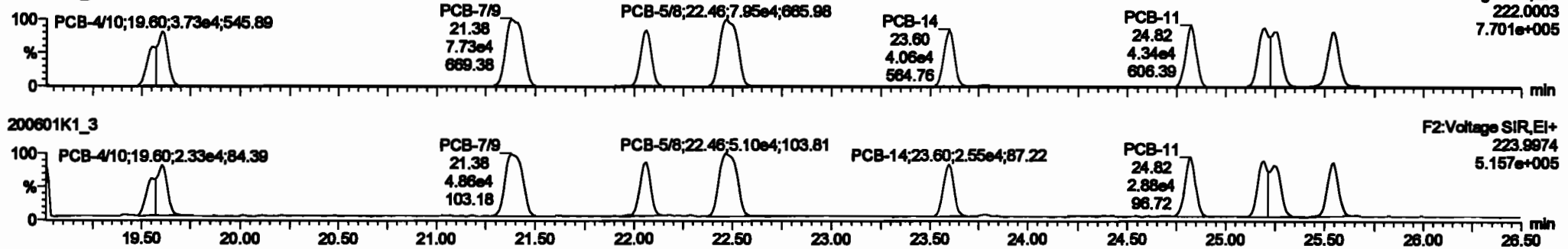
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

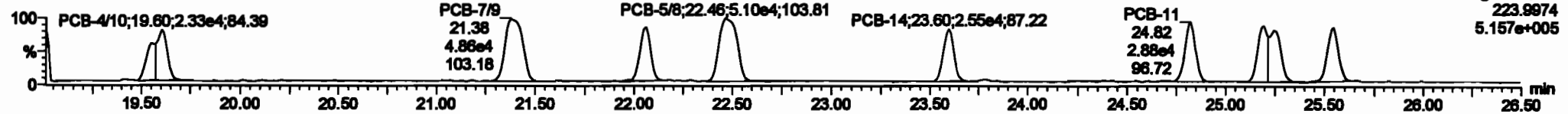
Name: 200601K1\_3, Date: 01-Jun-2020, Time: 14:19:00, ID: ST200601K1-3 PCB 209 CS2 19G2608, Description: PCB 209 CS2 19G2608

**PCB-4/10**

200601K1\_3

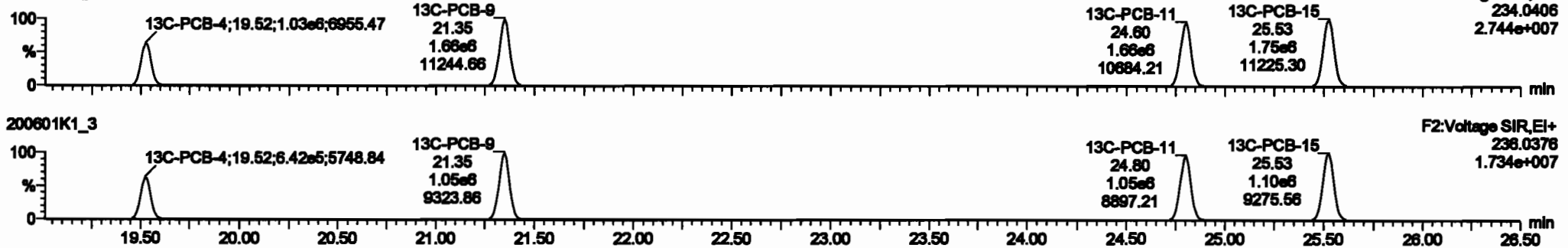


200601K1\_3

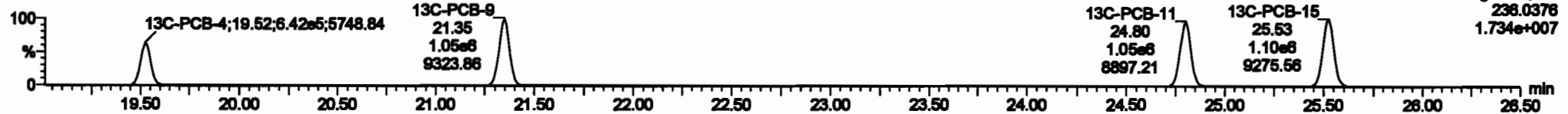


**13C-PCB-4**

200601K1\_3

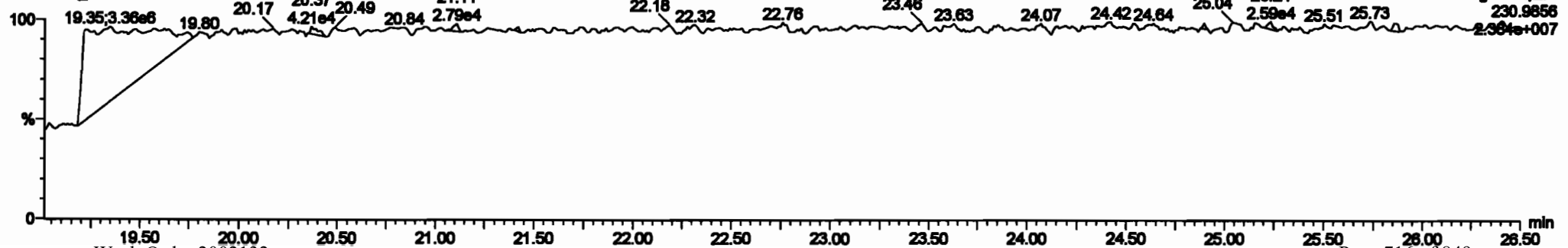


200601K1\_3



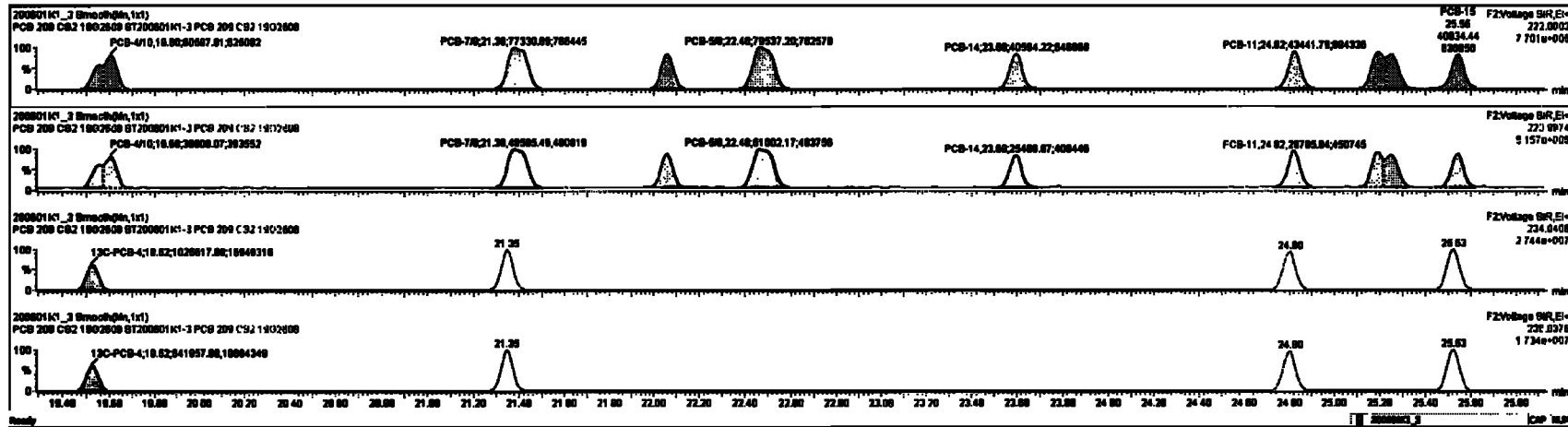
**PFK2a**

200601K1\_3



#	Name	Rate	RA	dy	RF	Initial	Final	RT	Peak	RT	Peak	RT	Peak	Area	Wt%	EL	RFPC
210	13C-PCB-00	1.21e6	0.70	NO	1.0000	1.000	30.00	30.00	1.000	0.000	NO	100.0	100	0.0001			
211	13C-PCB-111	1.17e6	1.02	NO	1.0000	1.000	30.25	30.25	1.000	0.000	NO	100.0	100	0.0072			
212	13C-PCB-128	0.70e6	1.25	NO	1.0000	1.000	40.00	40.00	1.000	0.000	NO	100.0	100	0.120			
213	13C-PCB-105	7.20e6	0.40	NO	1.0000	1.000	40.43	40.43	0.000	0.000	NO	100.0	100	0.0000			
214	13C-PCB-208	0.80e6	0.80	NO	1.0000	1.000	04.00	04.00	1.000	0.000	NO	100.0	100	0.140			
215	13C-PCB-70	1.00e6	0.70	NO	1.0000	1.000	37.70	37.70	1.000	1.000	NO	100.0	100	0.0001			
216	13C-PCB-170	7.20e6	0.44	NO	0.7000	1.000	40.00	40.00	0.000	0.000	NO	100.0	100	0.0001			
217	13C-PCB-70	1.00e6	0.70	NO	1.0000	1.000	37.70	37.70	0.000	0.000	NO	100.0	100	0.0001			
218	13C-PCB-170	7.20e6	0.44	NO	1.0000	1.000	40.00	40.00	0.000	0.000	NO	100.0	100	0.0001			
219	Total Non-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	7.210	0.0210	7.210			

#	Name	Rate	RA	dy	RF	Initial	Final	RT	Peak	RT	Peak	RT	Peak	Area	Wt%	EL	RFPC
0	PCB-470	10.00	10.00	0.000e+0	0.000e+0	1.000	1.00	NO	4.7700	4.7700							
1	PCB-70	20.00	20.00	2.700e+4	0.000e+0	1.000	1.00	NO	4.9400	4.9400							
2	PCB-11	20.00	20.00	4.010e+4	2.000e+4	1.000	1.00	NO	2.3070	2.3070							
3	PCB-14	20.00	20.00	7.000e+4	0.100e+4	1.000	1.00	NO	4.0000	4.0000							
4	PCB-15	20.00	20.00	4.000e+4	2.500e+4	1.000	1.00	NO	3.3070	3.3070							
5	PCB-11	24.00	24.00	4.300e+4	2.000e+4	1.000	1.00	NO	2.3000	2.3000							
6	PCB-11	20.00	20.00	4.000e+4	0.100e+4	1.000	1.00	NO	4.7000	4.7000							
7	PCB-15	20.00	20.00	4.000e+4	2.700e+4	1.000	1.00	NO	2.4000	2.4000							

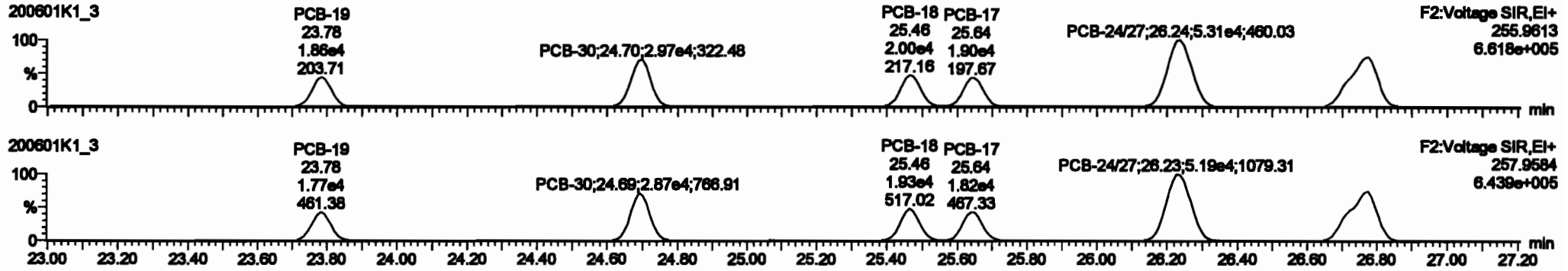


Dataset: Untitled

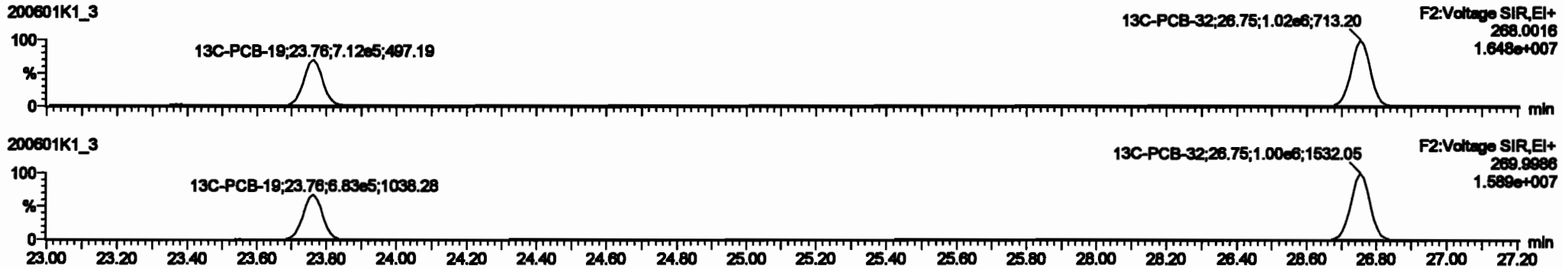
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_3, Date: 01-Jun-2020, Time: 14:19:00, ID: ST200601K1-3 PCB 209 CS2 19G2608, Description: PCB 209 CS2 19G2608

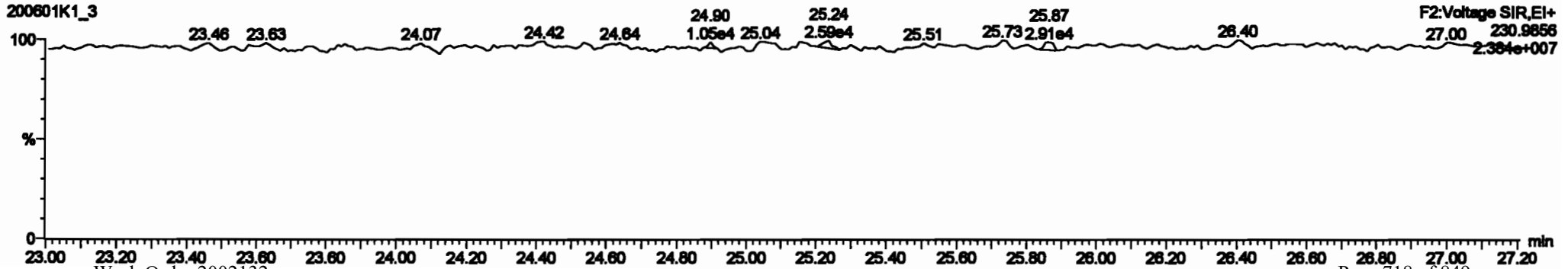
PCB-19



13C-PCB-19

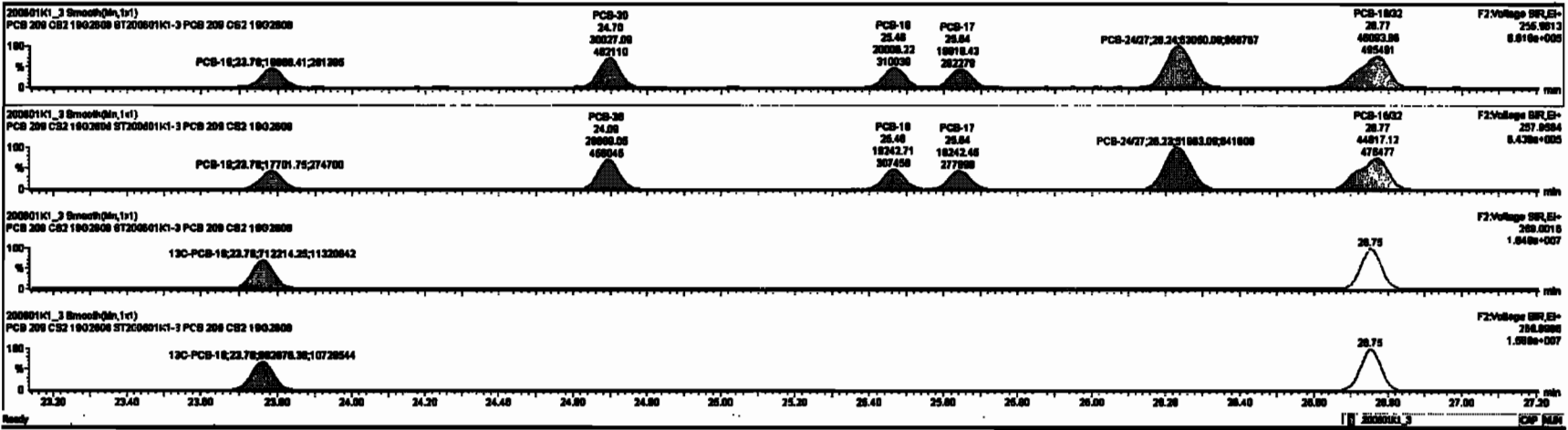


PFK2b



ID	Sample Name	Area	Height	Width	Retention	Concentration	Response	Limit	Unit	Pass/Fail				
216	13C-PCB-80	1.01e6	0.78	NO	1.000	1.000	26.88	26.88	1.000	0.000	NO	100.0	100	0.0021
216	13C-PCB-111	1.17e6	1.82	NO	1.000	1.000	26.26	26.26	1.000	0.000	NO	100.0	100	0.0072
217	13C-PCB-128	8.76e6	1.25	NO	1.000	1.000	48.80	48.80	1.000	0.000	NO	100.0	100	0.120
218	13C-PCB-182	7.28e6	0.48	NO	1.000	1.000	48.43	48.43	0.000	0.000	NO	100.0	100	0.0033
218	13C-PCB-205	8.85e6	0.80	NO	1.000	1.000	64.88	64.88	1.000	0.000	NO	100.0	100	0.148
220	13C-PCB-76	1.83e6	0.78	NO	1.000	1.000	37.76	37.76	1.000	1.000	NO	88.47	88.5	0.0091
221	13C-PCB-478	7.23e6	0.44	NO	0.7666	1.000	46.88	46.88	0.000	0.000	NO	87.23	87.2	0.0062
222	13C-PCB-76	1.83e6	0.78	NO	1.0021	1.000	37.76	37.76	0.000	0.000	NO	88.47	88.0	0.0094
223	13C-PCB-478	7.23e6	0.44	NO	1.0038	1.000	46.87	46.88	0.000	0.000	NO	88.16	88.2	0.0062
224	Total Mono-PCBs				1.1088	1.000	0.00	0.00	0.000	0.000	NO	7.216		0.0216
225	Total Di-PCBs				1.8837	1.000	0.00	0.00	0.000	0.000	NO	28.88		0.216

ID	Sample Name	Area	Height	Width	Retention	Concentration	Response	Limit	Unit	Pass/Fail
12	PCB-16	23.78	23.78	1.889e4	1.770e4	1.000	1.08	NO	2.3870	2.3888
13	PCB-30	24.80	24.78	3.003e4	2.889e4	1.040	1.08	NO	2.3488	2.3481
14	PCB-16	26.48	26.48	2.001e4	1.824e4	1.040	1.04	NO	2.3700	2.3702
15	PCB-17	26.84	26.84	1.883e4	1.824e4	1.040	1.04	NO	2.4320	2.4187
16	PCB-24/27	28.28	28.24	8.208e4	8.788e4	1.040	1.08	NO	4.7880	4.7878
17	PCB-18/22	28.77	28.77	4.808e4	4.828e4	1.040	1.08	NO	4.8810	4.8810

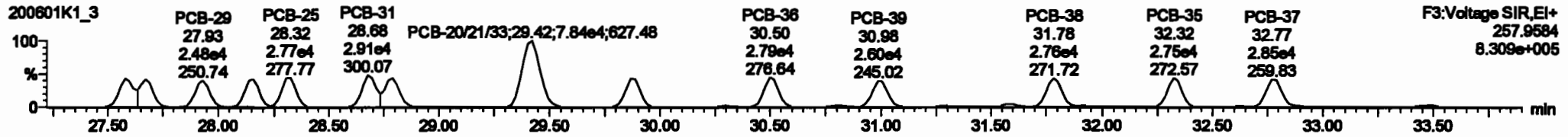
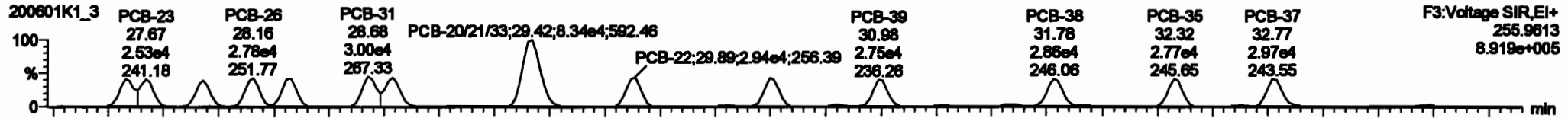


Dataset: Untitled

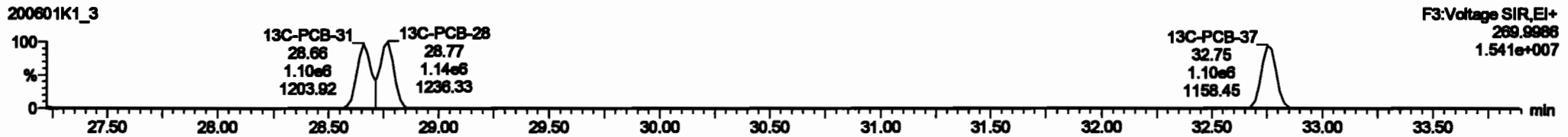
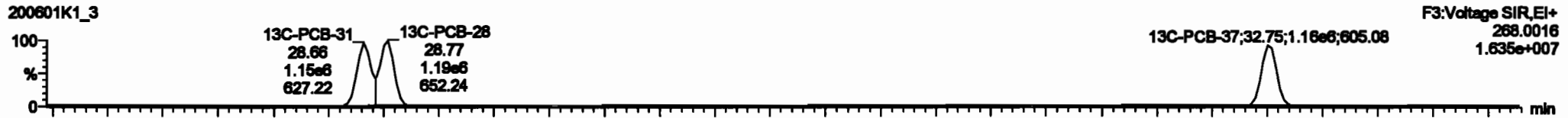
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_3, Date: 01-Jun-2020, Time: 14:19:00, ID: ST200601K1-3 PCB 209 CS2 19G2608, Description: PCB 209 CS2 19G2608

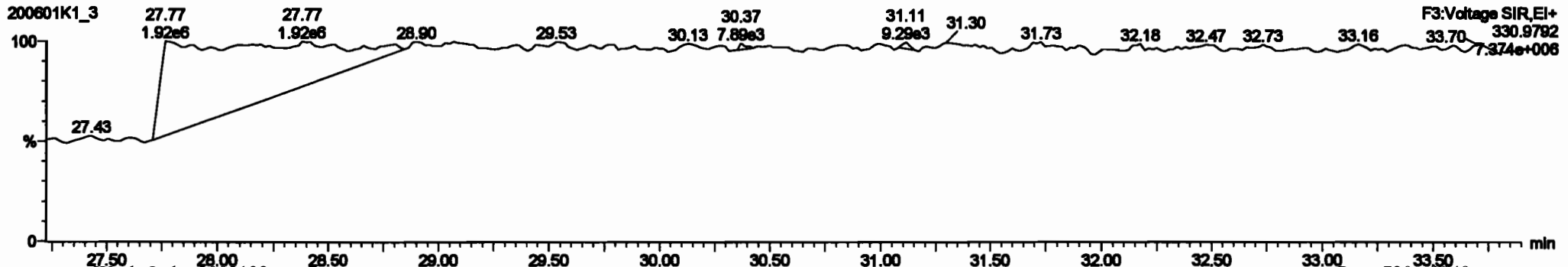
**PCB-34**



**13C-PCB-28**



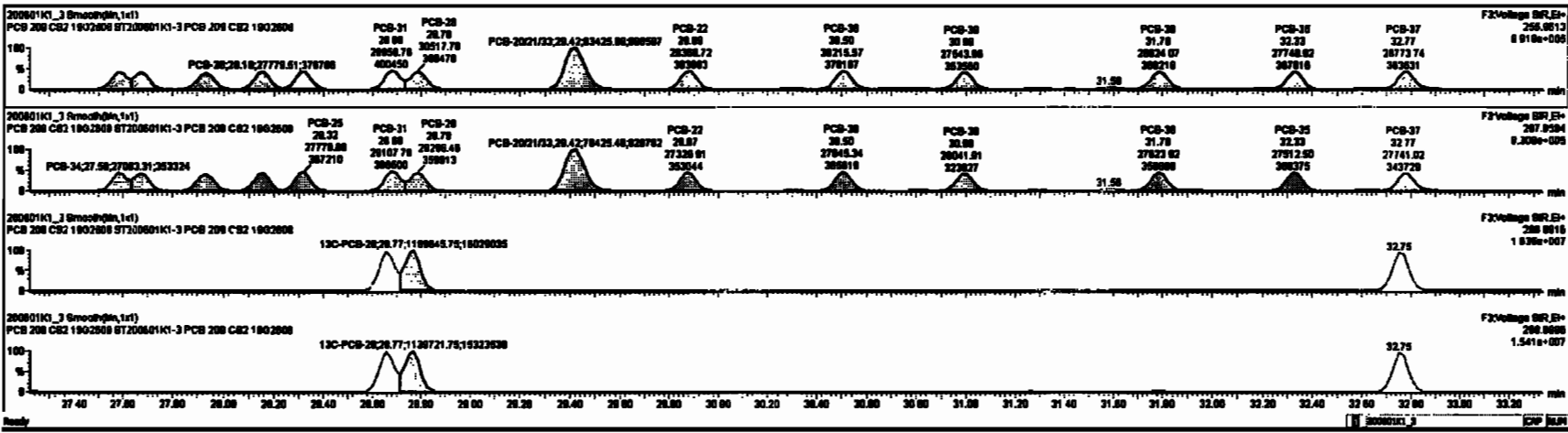
**PFK3d**





#	Name	Range	BA	Qty	RF	Calcd	Presd	RF	Presd	RF	Presd	RF	Presd	RF	Presd	RF	Presd	RF	Presd
230	Total Value-PCBs				1.0776	1.000	0.00	0.000	NO	101.0	0.332	101.0							
230	2nd Function Parts-PCBs				1.3197	1.000	0.00	0.000	NO	67.60	0.591	67.60							
230	4th Function Parts-PCBs				1.6736	1.000	0.00	0.000	NO	12.10	0.899	12.10							
230	2nd Function Home-PCBs				0.8806	1.000	0.00	0.000	NO	32.80	0.899	32.80							
230	4th Function Home-PCBs				1.8816	1.000	0.00	0.000	NO	66.70	0.372	66.70							
230	Total Home-PCBs				1.3091	1.000	0.00	0.000	NO	67.74	0.680	67.74							
230	4th Function Outo-PCBs				1.0000	1.000	0.00	0.000	NO	21.80	0.000	21.80							
230	6th Function Outo-PCBs				1.1480	1.000	0.00	0.000	NO	6.674	0.000	6.674							
230	Total Outo-PCBs				0.8000	1.000	0.00	0.000	NO	7.284	0.000	7.284							
230	Total PCBs				0.8004	1.000	0.00	0.000	NO	2.430	0.000	2.430							

#	Name	Range	BA	Qty	RF	Calcd	Presd	RF	Presd	RF	Presd	RF	Presd	RF	Presd	RF	Presd
18	PCB-24	27.80	27.80	2.700e+1	2.700e+1	1.040	1.02	NO	2.4040	2.4040							
19	PCB-25	27.87	27.87	2.620e+1	2.621e+1	1.040	1.04	NO	2.4000	2.4000							
20	PCB-26	27.93	27.93	2.600e+1	2.600e+1	1.040	1.01	NO	2.4000	2.4000							
21	PCB-28	28.10	28.10	2.770e+1	2.800e+1	1.040	1.07	NO	2.4000	2.4000							
22	PCB-28	28.31	28.32	2.870e+1	2.770e+1	1.040	1.03	NO	2.4000	2.4000							
23	PCB-31	28.60	28.60	2.800e+1	2.811e+1	1.040	1.03	NO	2.4070	2.4070							
24	PCB-28	28.70	28.70	2.800e+1	2.800e+1	1.040	1.03	NO	2.4000	2.4000							
25	PCB-2021483	28.40	28.40	0.570e+1	7.840e+1	1.040	1.03	NO	7.2600	7.2617							
26	PCB-22	28.67	28.68	2.800e+1	2.700e+1	1.040	1.03	NO	2.4000	2.4000							



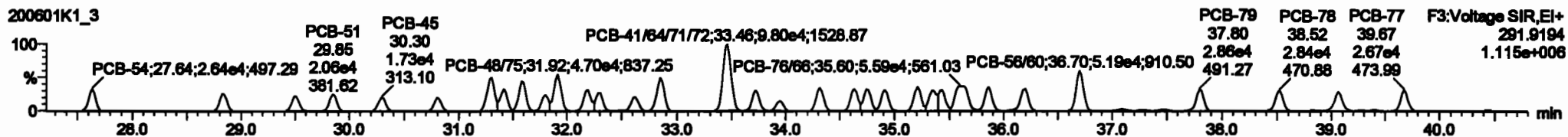
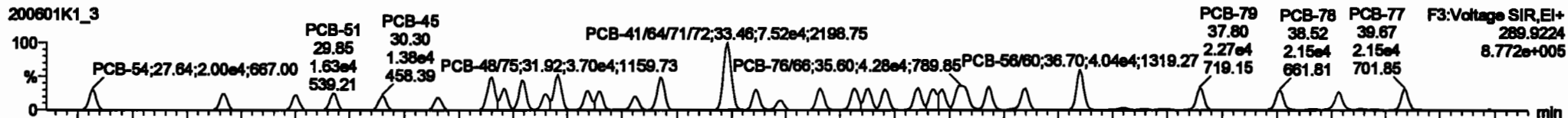
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time

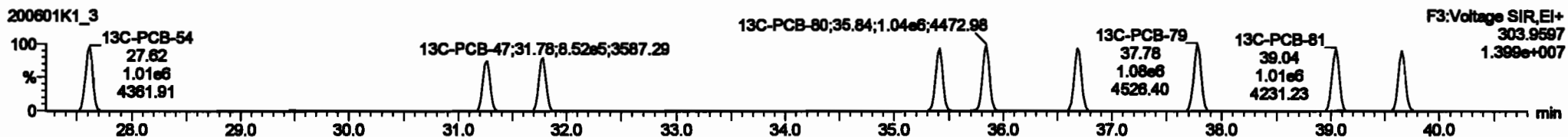
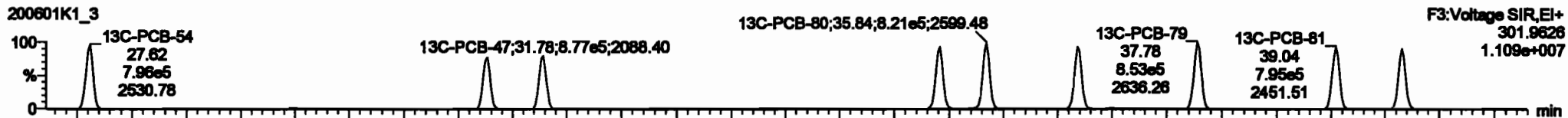
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_3, Date: 01-Jun-2020, Time: 14:19:00, ID: ST200601K1-3 PCB 209 CS2 19G2608, Description: PCB 209 CS2 19G2608

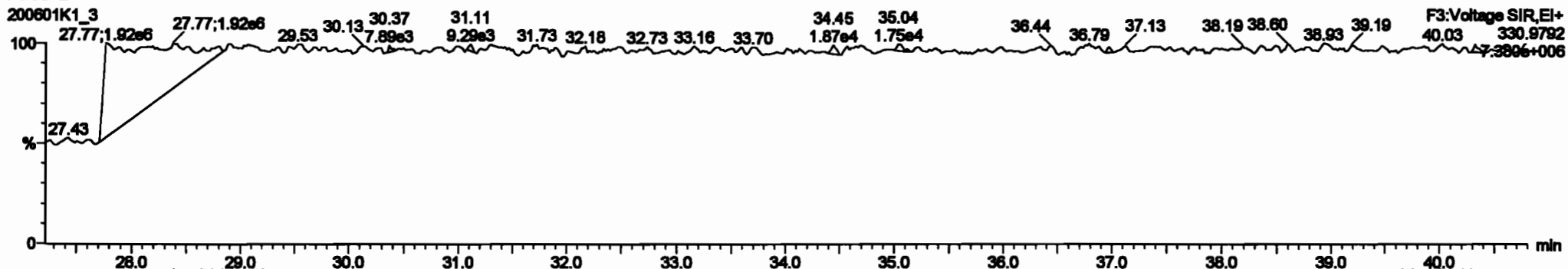
**PCB-54**



**13C-PCB-54**



**PFK3a**



Dataset: Untitled

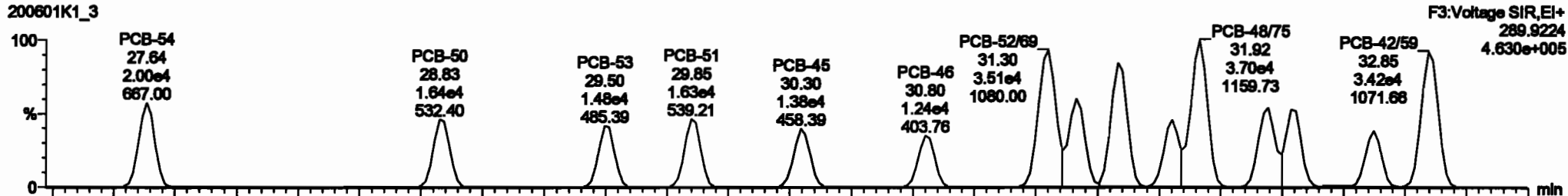
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

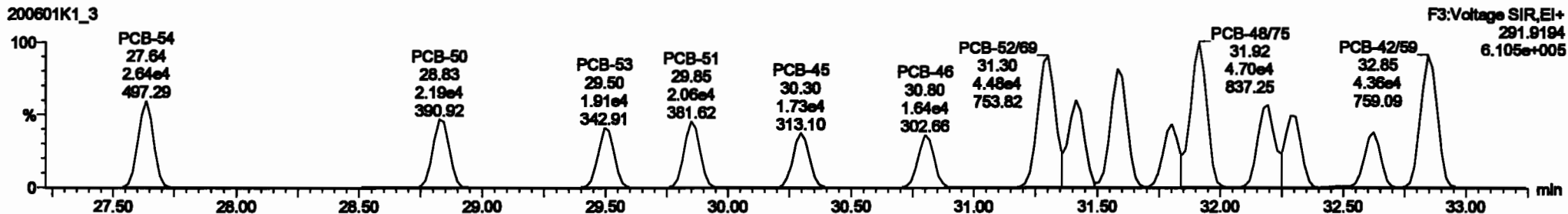
Name: 200601K1\_3, Date: 01-Jun-2020, Time: 14:19:00, ID: ST200601K1-3 PCB 209 CS2 19G2608, Description: PCB 209 CS2 19G2608

PCB-50

200601K1\_3



200601K1\_3

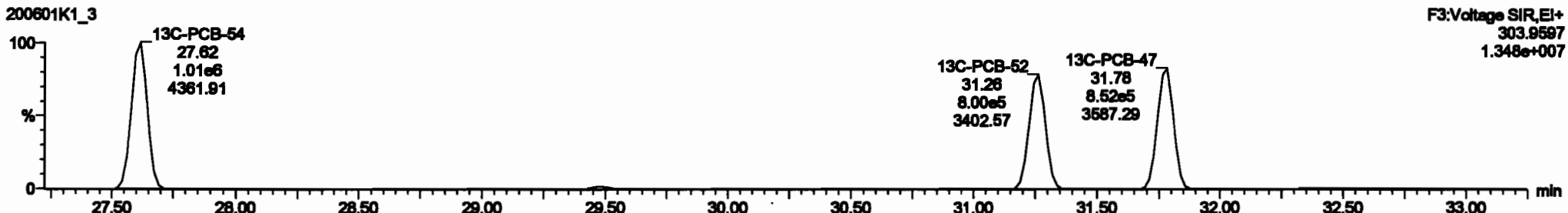


13C-PCB-52

200601K1\_3



200601K1\_3



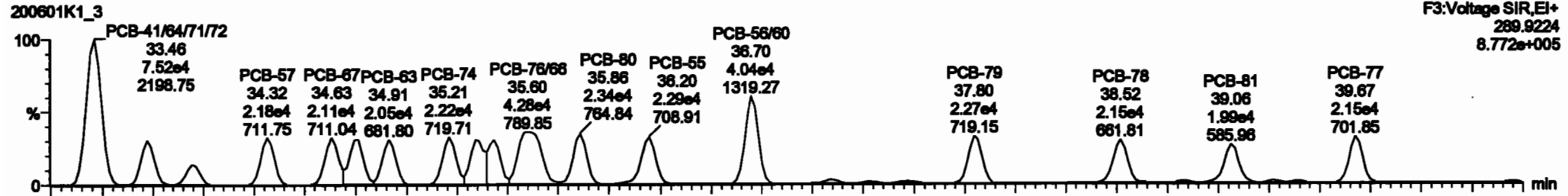
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time

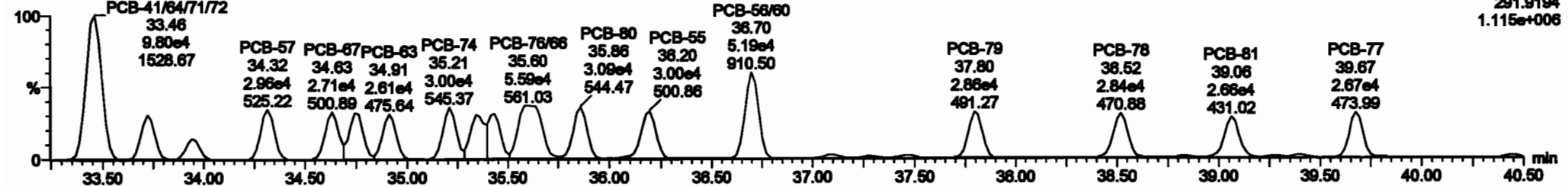
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_3, Date: 01-Jun-2020, Time: 14:19:00, ID: ST200601K1-3 PCB 209 CS2 19G2608, Description: PCB 209 CS2 19G2608

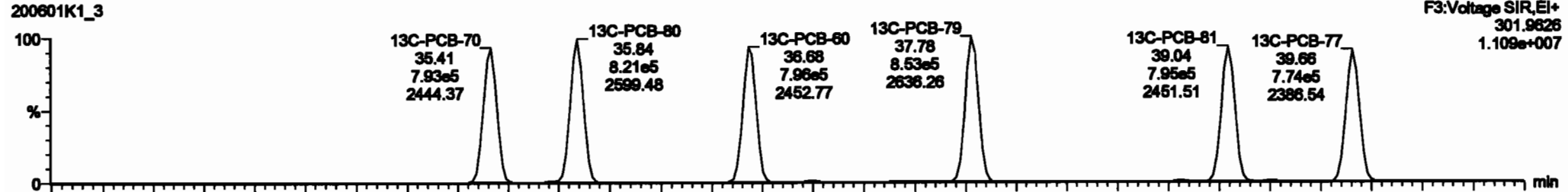
**PCB-68**



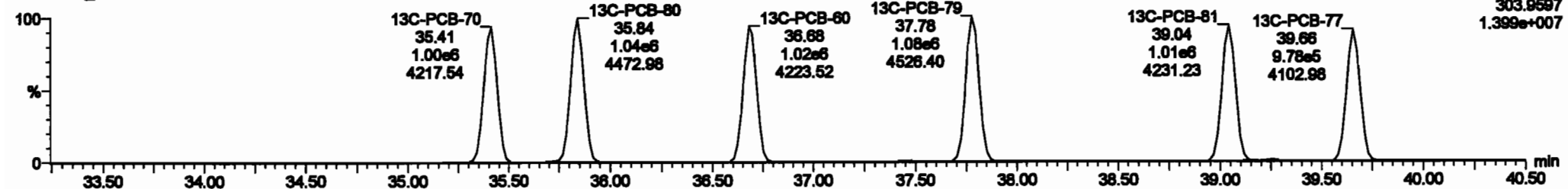
**PCB-68**



**13C-PCB-60**

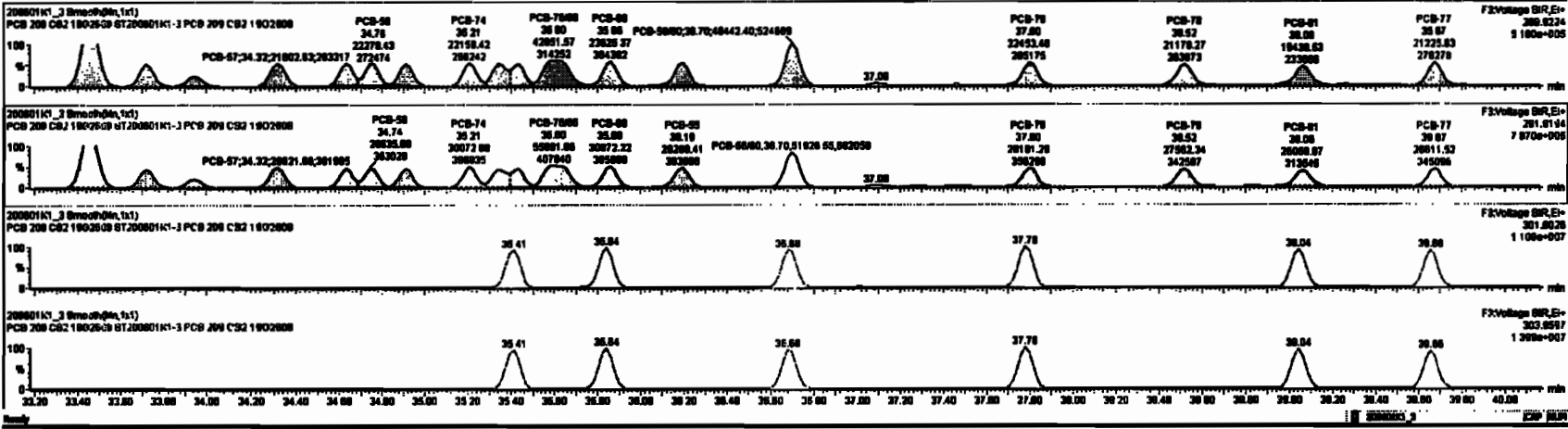


**13C-PCB-60**



#	Mass	Resp	RA	Rel	Off	Value	RelOff	Off	PreOff	Off	Off	Off	Off	Off	Off	Off	Off
227	2nd Puriton Tri-PCBs					0.0020	1.000	0.00	0.000	0.00	0.000	MD	38.01	0.204	38.01		
228	2nd Puriton Penta-PCBs					1.2187	1.000	0.80	0.000	0.000	MD	37.83	6.371	37.83			
229	4th Puriton Penta-PCBs					1.0736	1.000	0.00	0.000	0.000	MD	12.18	0.0070	12.18			
230	2nd Puriton Hepta-PCBs					0.0000	1.000	0.00	0.000	0.000	MD	33.88	0.0070	33.88			
231	4th Puriton Hepta-PCBs					1.0016	1.000	0.00	0.000	0.000	MD	38.73	0.372	38.73			
232	Total Hepta-PCBs					1.3881	1.000	0.00	0.000	0.000	MD	37.74	0.488	37.74			
233	2nd Puriton Octa-PCBs					1.0000	1.000	0.00	0.000	0.000	MD	21.88	0.000	21.88			
234	4th Puriton Octa-PCBs					1.1488	1.000	0.00	0.000	0.000	MD	6.874	0.004	6.874			
235	Total Octa-PCBs					0.0020	1.000	0.00	0.000	0.000	MD	7.284	0.007	7.284			
236	Total PCBs					0.0004	1.000	0.00	0.000	0.000	MD	2.423	0.0070	2.423			

#	Mass	PreOff	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off
30	PCB-81	27.84	27.84	1.880e4	2.880e4	0.770	0.76	MD	2.3770	2.3771							
31	PCB-82	28.80	28.80	1.880e4	2.880e4	0.770	0.76	MD	2.6140	2.6139							
32	PCB-83	28.80	28.80	1.880e4	2.880e4	0.770	0.76	MD	2.3880	2.3848							
33	PCB-84	28.80	28.80	1.880e4	2.880e4	0.770	0.76	MD	2.3880	2.3876							
34	PCB-85	30.30	30.30	1.370e4	1.720e4	0.770	0.80	MD	2.8070	2.8076							
35	PCB-86	30.30	30.30	1.370e4	1.720e4	0.770	0.79	MD	2.6580	2.6516							
36	PCB-87	31.30	31.30	1.050e4	4.070e4	0.770	0.76	MD	4.7420	4.7426							
37	PCB-72	31.41	31.41	2.150e4	2.780e4	0.770	0.77	MD	2.3830	2.3833							
38	PCB-42B	31.80	31.80	3.050e4	3.880e4	0.770	0.76	MD	4.8820	4.8818							



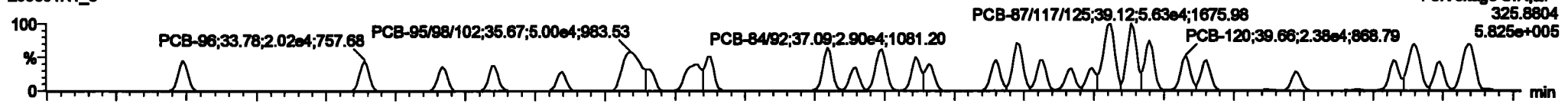
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

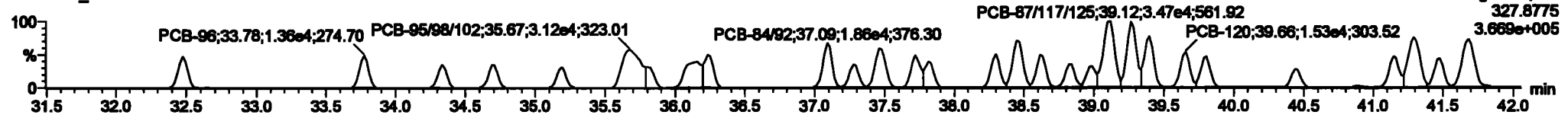
Name: 200601K1\_3, Date: 01-Jun-2020, Time: 14:19:00, ID: ST200601K1-3 PCB 209 CS2 19G2608, Description: PCB 209 CS2 19G2608

**PCB-104**

200601K1\_3

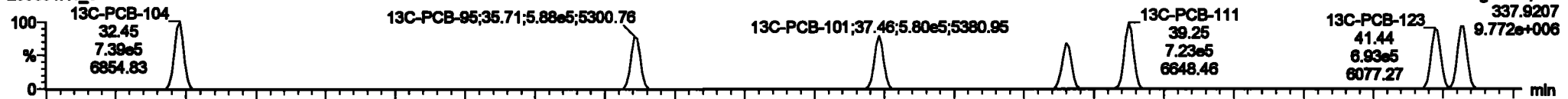


200601K1\_3

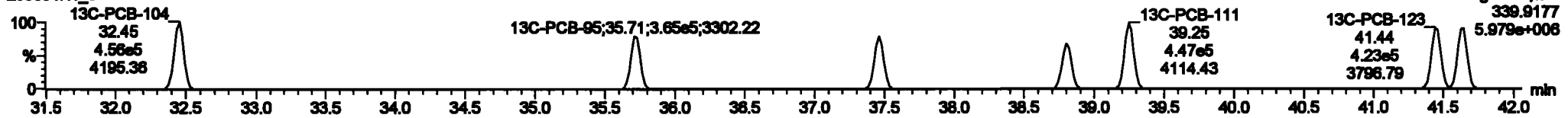


**13C-PCB-104**

200601K1\_3

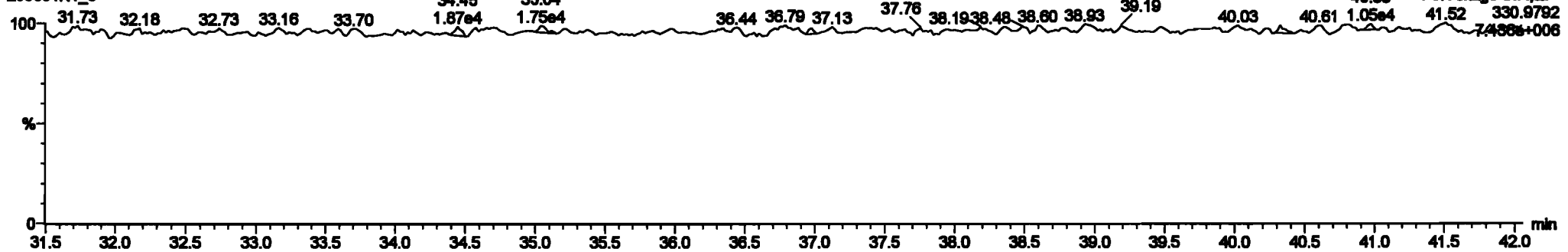


200601K1\_3



**PFK3b**

200601K1\_3

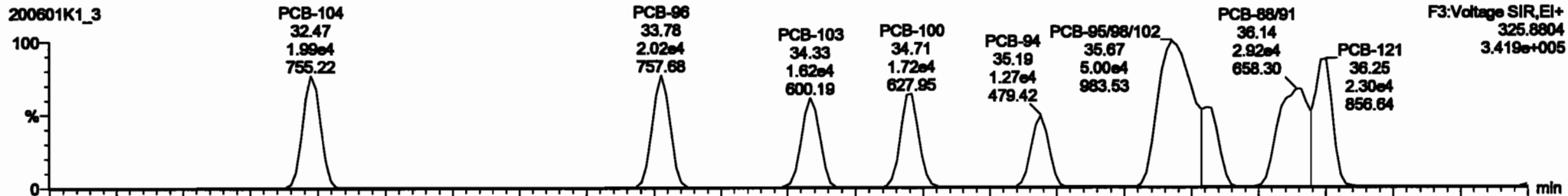


Dataset: Untitled

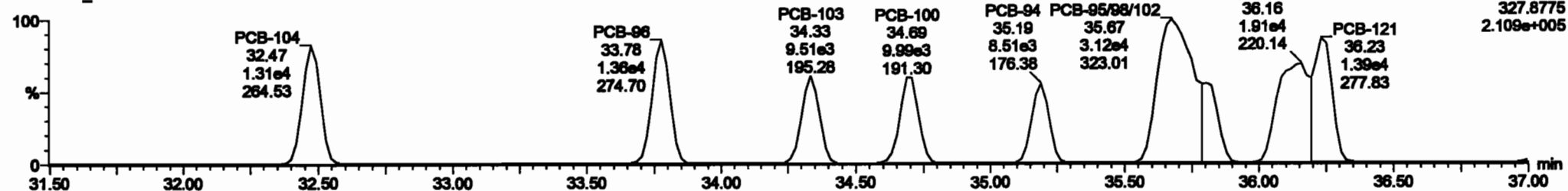
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_3, Date: 01-Jun-2020, Time: 14:19:00, ID: ST200601K1-3 PCB 209 CS2 19G2608, Description: PCB 209 CS2 19G2608

**PCB-96**



**200601K1\_3**



**13C-PCB-95**



**200601K1\_3**

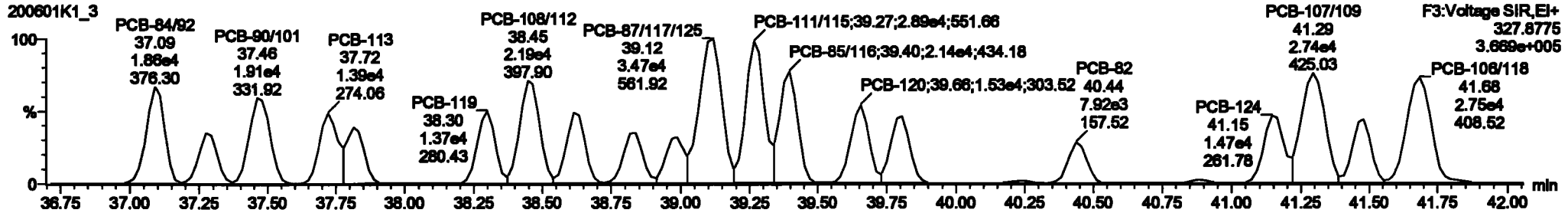
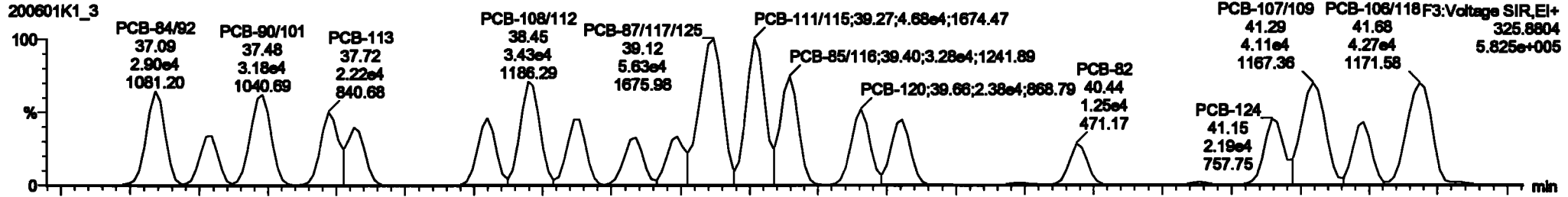


Dataset: Untitled

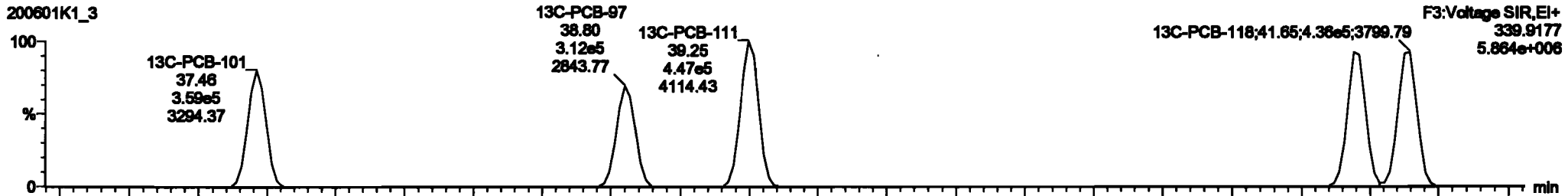
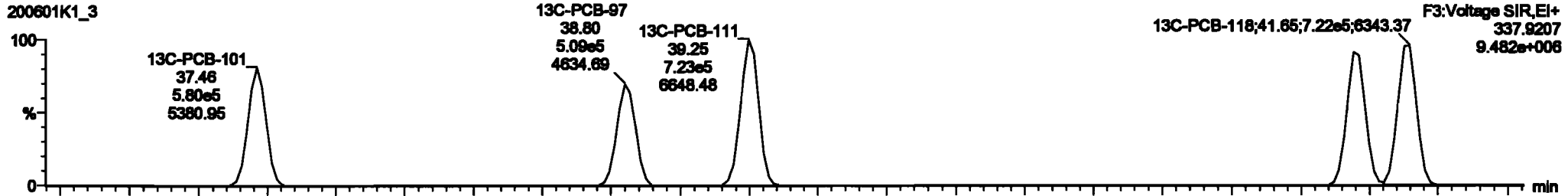
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_3, Date: 01-Jun-2020, Time: 14:19:00, ID: ST200601K1-3 PCB 209 CS2 19G2608, Description: PCB 209 CS2 19G2608

PCB-119



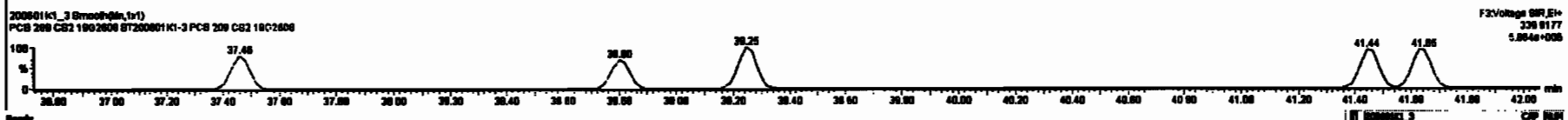
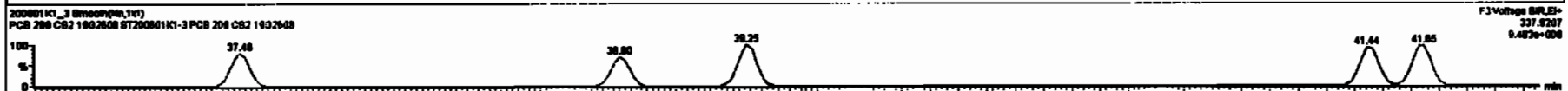
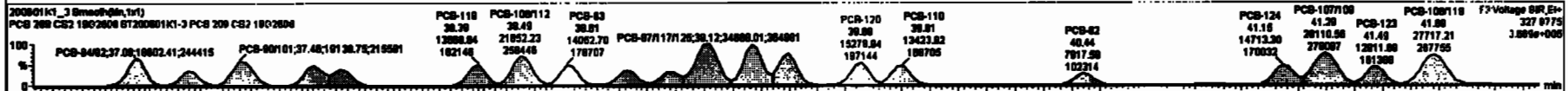
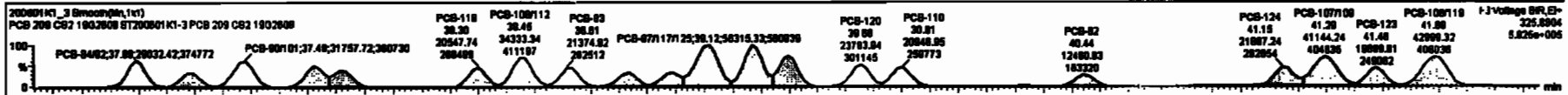
13C-PCB-111





ID	Name	Comp	BA	Qty	RF	RF2	PresRF	RF	PresRF	RF	RF2	RF3	RF4	Comp	Value	QL	BMP
227	2nd Purition 1A-PCBs				0.0020	1.000	0.00		0.000					NO	30.01	0.294	30.01
228	Total Tere-PCBs				1.0770	1.000	0.00		0.000					NO	101.0	0.325	101.0
229	2nd Purition Para-PCBs				1.0726	1.000	0.00		0.000					NO	12.10	0.079	12.10
230	2nd Purition Meta-PCBs				0.0000	1.000	0.00		0.000					NO	32.00	0.0070	32.00
231	4th Purition Para-PCBs				1.0310	1.000	0.00		0.000					NO	08.73	0.272	08.73
232	4th Purition Meta-PCBs				1.3001	1.000	0.00		0.000					NO	07.34	0.400	07.34
233	Total Hete-PCBs				1.0000	1.000	0.00		0.000					NO	21.00	0.0003	21.00
234	6th Purition Oxta-PCBs				1.1400	1.000	0.00		0.000					NO	0.674	0.0043	0.674
235	Total Mono-PCBs				0.0020	1.000	0.00		0.000					NO	7.204	0.0007	7.204
237	Diene-Cl				0.0004	1.000	0.00		0.000					NO	2.420	0.0070	2.420
238	Total PCBs																

ID	Name	PresRF	RF	RF2	RF3	RF4	BMP	Comp		
64	PCB-104	32.47	32.47	1.000e4	1.300e4	1.000	1.02	NO	2.4000	2.4000
65	PCB-80	30.70	30.70	2.017e4	1.300e4	1.000	1.40	NO	2.4000	2.4000
66	PCB-100	34.30	34.30	1.000e4	0.000e0	1.000	1.71	NO	2.3010	2.3000
67	PCB-100	34.00	34.71	1.717e4	0.000e0	1.000	1.72	NO	2.3000	2.3000
68	PCB-84	30.10	30.10	1.272e4	0.010e0	1.000	1.40	NO	2.3000	2.3000
69	PCB-8000102	30.07	30.07	0.000e4	0.117e4	1.000	1.01	NO	7.0700	7.0704
70	PCB-80	30.70	30.01	1.200e4	7.010e0	1.000	1.70	NO	2.3000	2.3007
71	PCB-80001	30.14	30.14	2.000e4	1.000e4	1.000	1.00	NO	4.7000	4.7004
72	PCB-121	30.20	30.20	2.000e4	1.300e4	1.000	1.00	NO	2.2700	2.2000

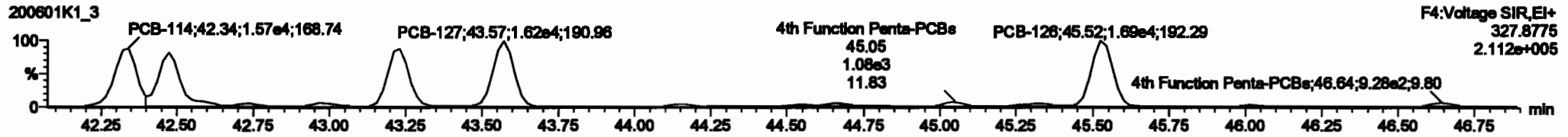
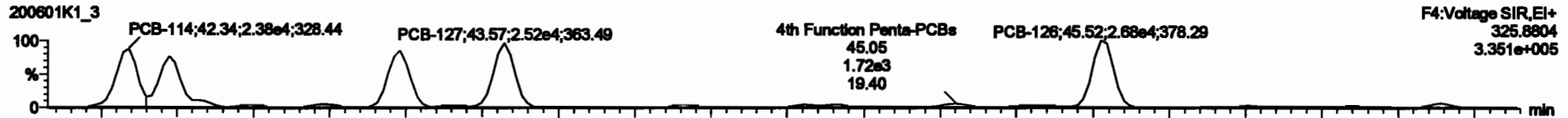


Dataset: Untitled

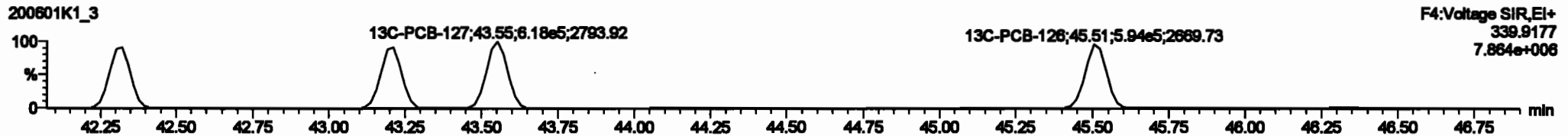
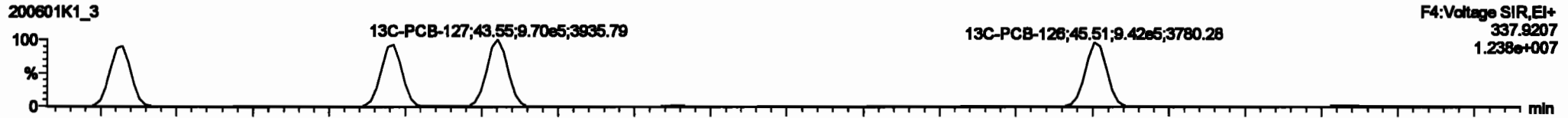
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_3, Date: 01-Jun-2020, Time: 14:19:00, ID: ST200601K1-3 PCB 209 CS2 19G2608, Description: PCB 209 CS2 19G2608

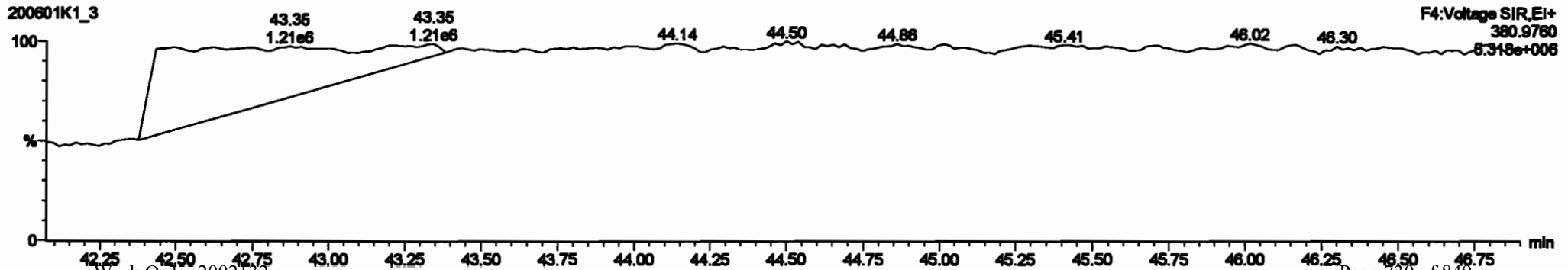
**PCB-114**



**13C-PCB-114**

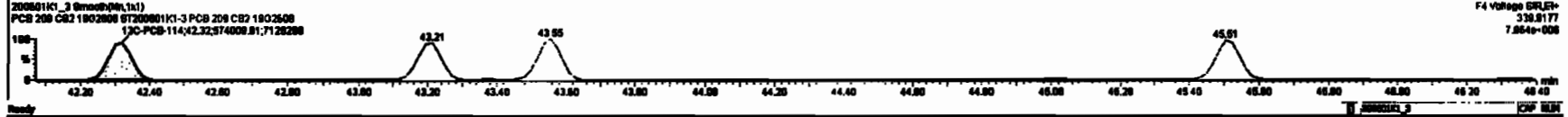
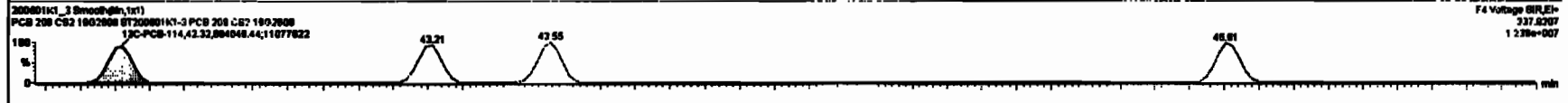
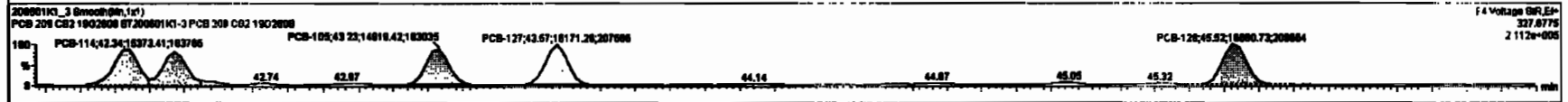
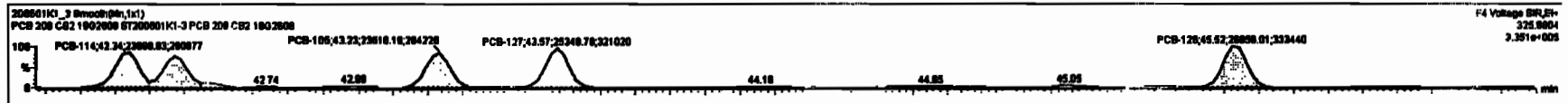


**PFK4a**



#	Name	Range	RA	dy	RF	Initial	ProdRT	RT	ProdR	RFY	ProdF	Chn	SP	SL	BPFC
227	2nd Function Tri-PCBs				0.0000	1.000	0.00	0.000	NO	38.01				0.284	38.01
228	Total Yolo-PCBs				1.0776	1.000	0.00	0.000	NO	101.0				0.222	101.0
229	2nd Function Para-PCBs				1.2167	1.000	0.00	0.000	NO	67.02				0.271	67.02
230	2nd Function Ortho-PCBs				0.0000	1.000	0.00	0.000	NO	0.00				0.000	0.00
231	2nd Function Meta-PCBs				0.0000	1.000	0.00	0.000	NO	32.89				0.000	32.89
232	4th Function Para-PCBs				1.0218	1.000	0.00	0.000	NO	66.73				0.272	66.73
233	Total Hepta-PCBs				1.2091	1.000	0.00	0.000	NO	67.74				0.406	67.74
234	4th Function Ortho-PCBs				1.0000	1.000	0.00	0.000	NO	21.86				0.000	21.86
235	4th Function Para-PCBs				1.1480	1.000	0.00	0.000	NO	6.674				0.000	6.674
236	Total Hexa-PCBs				0.0000	1.000	0.00	0.000	NO	7.284				0.000	7.284
237	Total PCBs				0.0000	1.000	0.00	0.000	NO	2.420				0.000	2.420

#	Name	ProdRT	RT	RF	RFY	ProdF	Chn	SP	SL	BPFC
80	PCB-114	42.34	42.34	2.370e4	1.000e4	1.000	1.04	NO	2.320	2.320
84	PCB-122	42.48	42.47	2.122e4	1.370e4	1.000	1.04	NO	2.020	2.020
86	PCB-105	43.20	43.20	2.382e4	1.000e4	1.000	1.00	NO	2.000	2.000
88	PCB-127	43.67	43.67	2.000e4	1.017e4	1.000	1.07	NO	2.000	2.000
89	PCB-126	45.52	45.52	2.000e4	1.000e4	1.000	1.01	NO	2.010	2.010



Dataset: Untitled

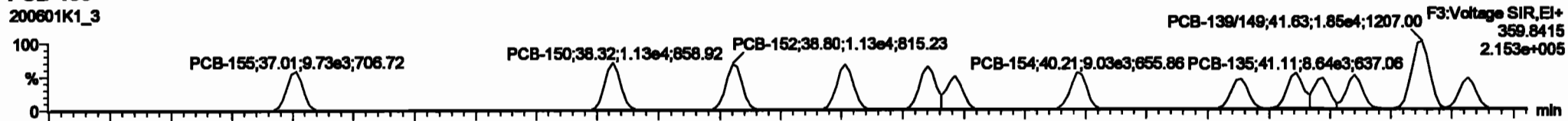
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

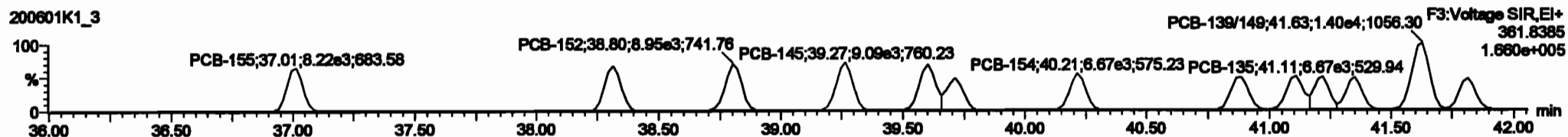
Name: 200601K1\_3, Date: 01-Jun-2020, Time: 14:19:00, ID: ST200601K1-3 PCB 209 CS2 19G2608, Description: PCB 209 CS2 19G2608

**PCB-155**

200601K1\_3



200601K1\_3

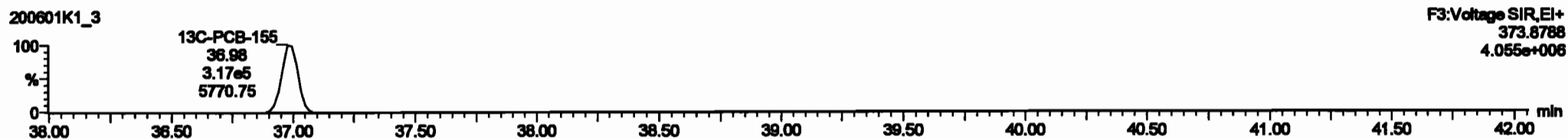


**13C-PCB-155**

200601K1\_3

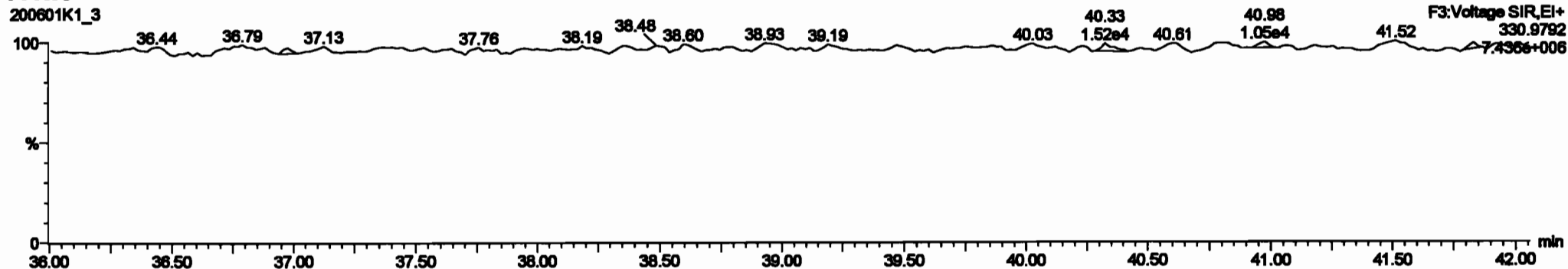


200601K1\_3



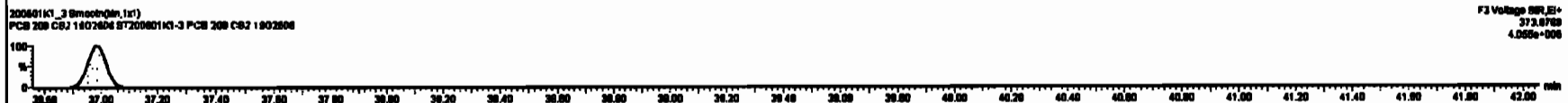
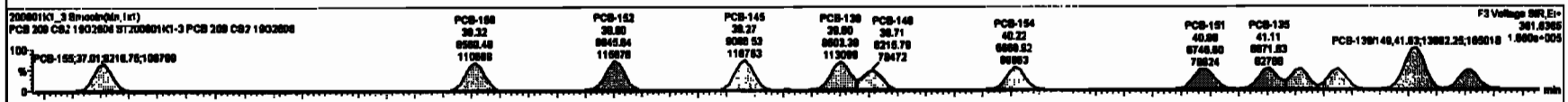
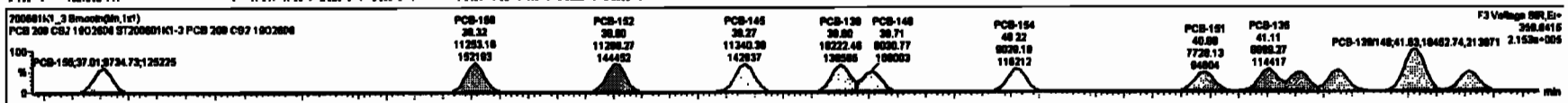
**PFK3c**

200601K1\_3



#	Name	Resp	RA	inj	RRP	colVol	Prod/RT	RT	Prod/RT	RRP	colVol	Prod/RT	RT	Prod/RT	RRP	colVol	Prod/RT	RT	Temp
227	2nd Puriton TH-PCBs				0.0000	1.000	0.00	0.000	NO	38.01	0.284	38.01							
228	Total Tetra-PCBs				1.0770	1.000	0.00	0.000	NO	101.0	0.322	101.0							
229	2nd Puriton Penta-PCBs				1.2497	1.000	0.00	0.000	NO	67.82	0.371	67.82							
230	4th Puriton Penta-PCBs				1.0736	1.000	0.00	0.000	NO	12.18	0.0870	12.18							
231	2nd Puriton Hexa-PCBs				0.0000	1.000	0.00	0.000	NO	0.0000	0.0000	0.0000							
232	4th Puriton Hexa-PCBs				1.0018	1.000	0.00	0.000	NO	68.73	0.272	68.73							
233	Total Hepta-PCBs				1.2681	1.000	0.00	0.000	NO	67.74	0.488	67.74							
234	4th Puriton Octa-PCBs				1.0000	1.000	0.00	0.000	NO	21.80	0.0800	21.80							
235	2nd Puriton Octa-PCBs				1.1488	1.000	0.00	0.000	NO	6.874	0.0843	6.874							
236	Total Nona-PCBs				0.0000	1.000	0.00	0.000	NO	7.264	0.0087	7.264							
237	Deca-CD				0.0004	1.000	0.00	0.000	NO	2.420	0.0070	2.420							
238	Total PCBs																		

#	Name	Prod/RT	RT	col Resp	col Resp	T* Ratio (Peak)	RA	inj	RRP	Com.
1	PCB-158	37.01	37.01	0.720e3	0.217e3	1.240	1.18	NO	2.3300	2.3300
2	PCB-160	38.30	38.32	1.120e4	0.880e3	1.240	1.32	NO	2.4800	2.4800
3	PCB-162	38.80	38.80	1.120e4	0.840e3	1.240	1.28	NO	2.3100	2.3170
4	PCB-148	38.20	38.27	1.120e4	0.887e3	1.240	1.26	NO	2.3200	2.3280
5	PCB-138	38.80	38.80	1.020e4	0.800e3	1.240	1.20	NO	2.4000	2.4000
6	PCB-140	38.72	38.71	0.801e3	0.210e3	1.240	1.20	NO	2.3010	2.3007
7	PCB-164	40.20	40.22	0.800e3	0.880e3	1.240	1.38	NO	2.3220	2.3217
8	PCB-161	40.80	40.80	7.720e3	0.247e3	1.240	1.14	NO	2.8010	2.8012
9	PCB-135	41.10	41.11	0.880e3	0.872e3	1.240	1.20	NO	2.2800	2.2806

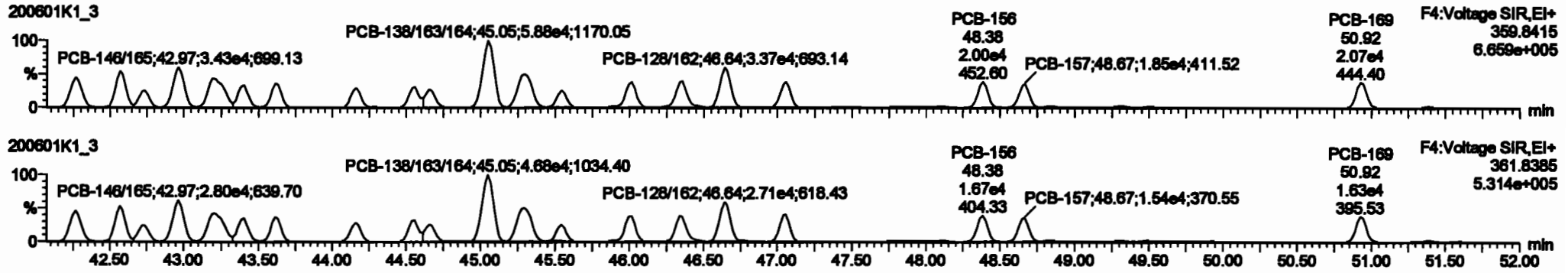


Dataset: Untitled

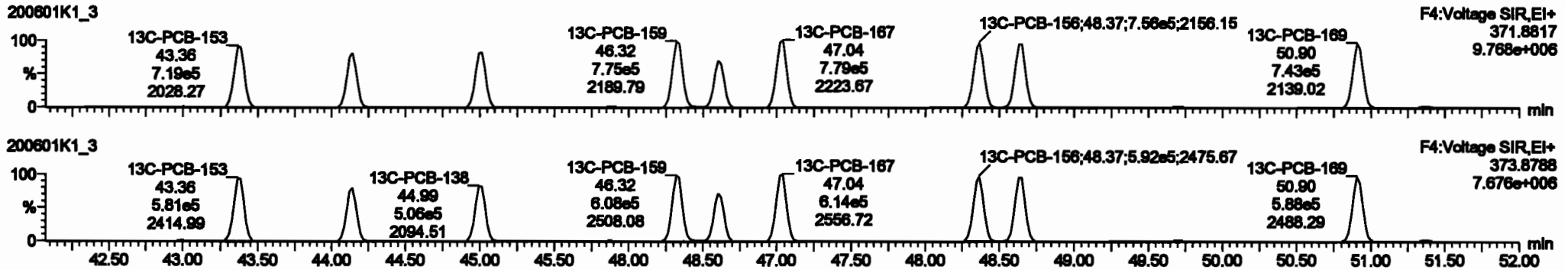
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_3, Date: 01-Jun-2020, Time: 14:19:00, ID: ST200601K1-3 PCB 209 CS2 19G2608, Description: PCB 209 CS2 19G2608

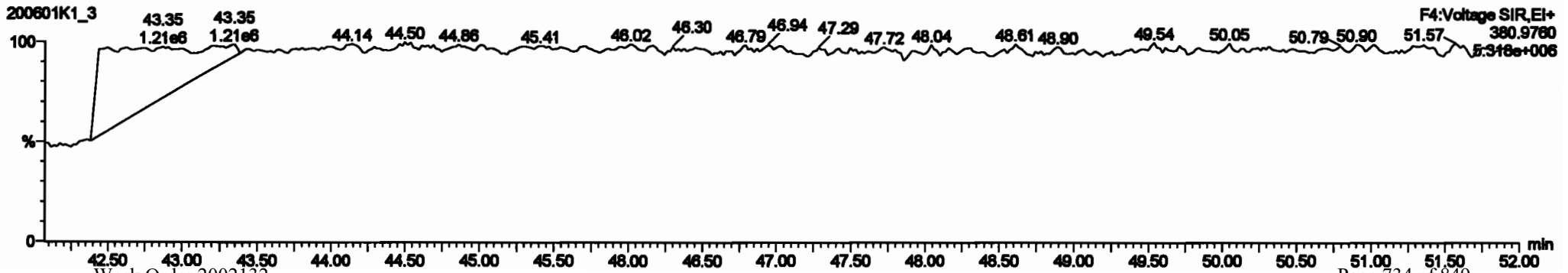
PCB-134/143



13C-PCB-153

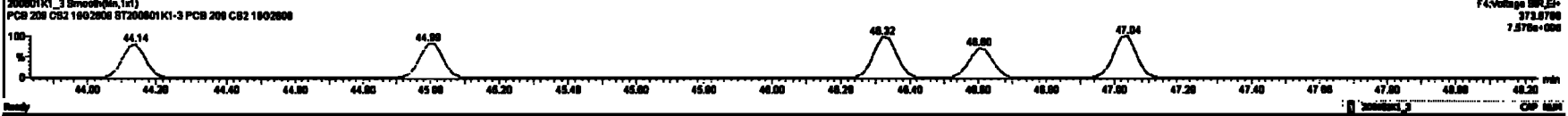
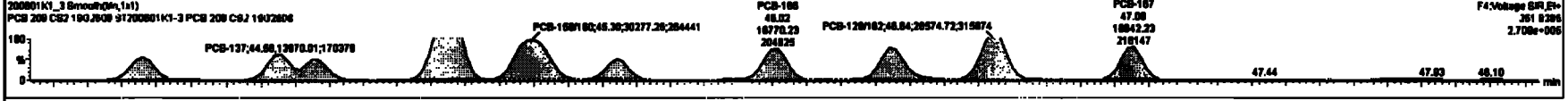
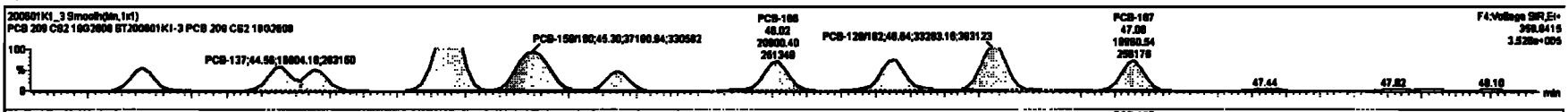


PFK4b



#	Comp	Comp	BA	Qty	Unit	Prod	OT	Prod.R	Prod	Prod	Prod	Prod	Prod	Prod	Prod	Prod	Prod	Prod
227	2nd Function Tri-PCBs					0.0000	1.000	0.00	0.000	NO	38.01	0.284	38.01					
228	Total Tri-PCBs					1.0770	1.000	0.00	0.000	NO	101.0	0.322	101.0					
229	3rd Function Pent-PCBs					1.3167	1.000	0.00	0.000	NO	67.92	0.371	67.92					
230	Total Pent-PCBs					1.0720	1.000	0.00	0.000	NO	12.18	0.0070	12.18					
231	3rd Function Hexa-PCBs					0.0000	1.000	0.00	0.000	NO	32.80	0.0070	32.80					
232	Total Hexa-PCBs					1.0000	1.000	0.00	0.000	NO	67.74	0.488	67.74					
233	Total Hepta-PCBs					1.3891	1.000	0.00	0.000	NO	27.74	0.488	27.74					
234	4th Function Octa-PCBs					1.0000	1.000	0.00	0.000	NO	21.80	0.0000	21.80					
235	5th Function Octa-PCBs					1.1480	1.000	0.00	0.000	NO	8.874	0.0043	8.874					
236	Total Octa-PCBs					0.0000	1.000	0.00	0.000	NO	7.384	0.0007	7.384					
237	Decon-CP					0.0004	1.000	0.00	0.000	NO	2.423	0.0000	2.423					
238	Total NPA																	

#	Comp	Comp	BA	Qty	Unit	Prod	OT	Prod.R	Prod	Prod	Prod	Prod	Prod	Prod	Prod	Prod	Prod	Prod
111	PCB-134A43			42.28	42.28	2.032e4	2.41e4	1.240	1.20	NO	4.6390	4.6390						
112	PCB-131A30			42.88	42.87	2.947e4	2.382e4	1.240	1.20	NO	4.7070	4.7068						
113	PCB-142			42.72	42.74	1.217e4	1.080e4	1.240	1.20	NO	3.4220	3.4218						
114	PCB-148A05			42.87	42.87	3.420e4	2.894e4	1.240	1.22	NO	4.7180	4.7180						
115	PCB-132A01			43.20	43.18	3.013e4	2.738e4	1.240	1.20	NO	4.6890	4.6893						
116	PCB-163			43.38	43.40	1.777e4	1.610e4	1.240	1.18	NO	2.3880	2.3890						
117	PCB-168			43.81	43.81	1.880e4	1.822e4	1.240	1.20	NO	2.4180	2.4178						
118	PCB-141			44.18	44.18	1.489e4	1.220e4	1.240	1.20	NO	2.4080	2.4084						
119	PCB-137			44.80	44.80	1.880e4	1.387e4	1.240	1.18	NO	2.8870	2.8888						

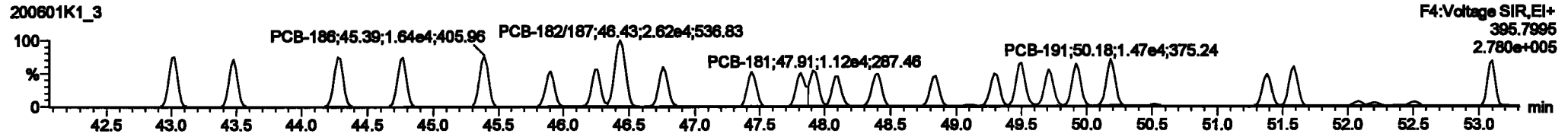
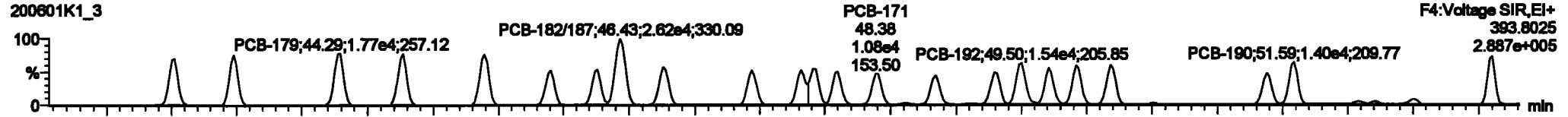


Dataset: Untitled

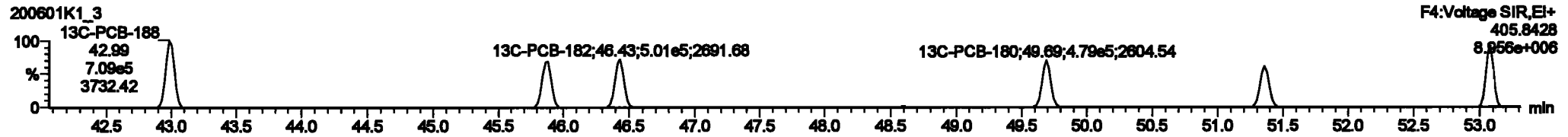
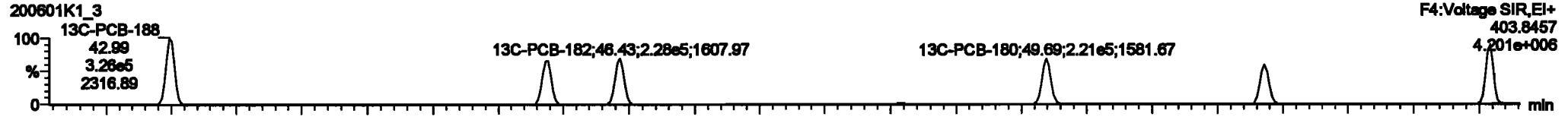
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_3, Date: 01-Jun-2020, Time: 14:19:00, ID: ST200601K1-3 PCB 209 CS2 19G2608, Description: PCB 209 CS2 19G2608

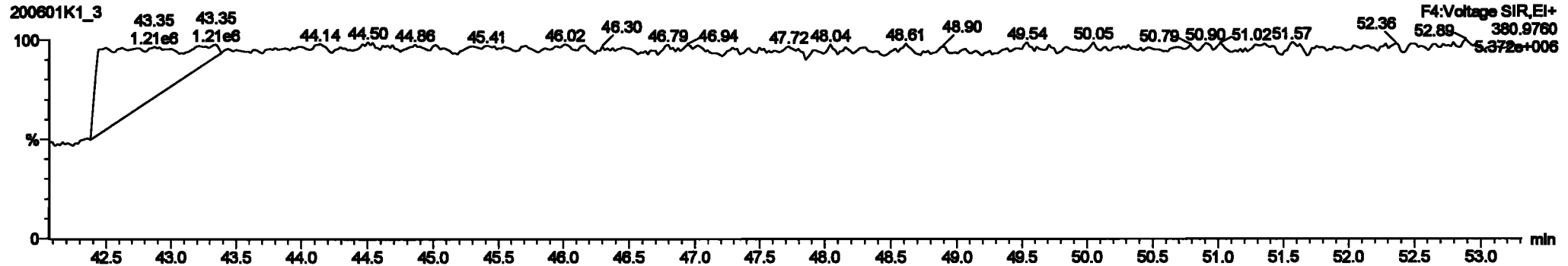
**PCB-188**



**13C-PCB-188**



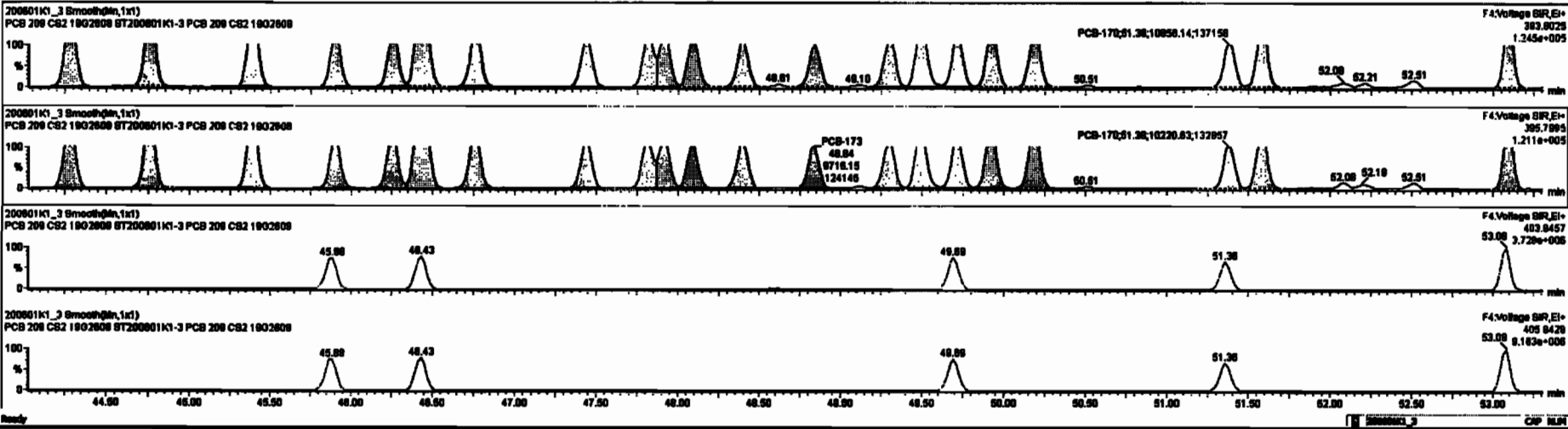
**PFK4c**





#	Name	Resp	RA	RF	RF2	Vol	ProdRT	RT	ProdLR	RF2	RT2	Comp	Area	CL	SPC
227	227 3rd Function TM-PCBs				0.8028	1.000	0.00	0.000	0.000	NO	38.01		0.284	38.01	
228	228 Total Tetra-PCBs				1.0778	1.000	0.00	0.000	0.000	NO	101.0		0.322	101.0	
229	229 3rd Function Penta-PCBs				1.3167	1.000	0.00	0.000	0.000	NO	87.82		0.371	87.82	
230	230 6th Function Penta-PCBs				1.0735	1.000	0.00	0.000	0.000	NO	12.18		0.0878	12.18	
231	231 3rd Function Hexa-PCBs				0.8025	1.000	0.00	0.000	0.000	NO	32.88		0.0878	32.88	
232	232 6th Function Hexa-PCBs				1.0316	1.000	0.00	0.000	0.000	NO	68.72		0.272	68.72	
233	233 Total Hexa-PCBs				1.8341	1.000	0.00	0.000	0.000	NO	97.24		0.3598	97.24	
234	234 6th Function Octa-PCBs				1.0008	1.000	0.00	0.000	0.000	NO	21.88		0.0803	21.88	
235	235 6th Function Octa-PCBs				1.1488	1.000	0.00	0.000	0.000	NO	6.974		0.0843	6.974	
236	236 Total Octa-PCBs				0.8023	1.000	0.00	0.000	0.000	NO	7.284		0.0887	7.284	
237	237 Deca-Cl				0.8884	1.000	0.00	0.000	0.000	NO	2.423		0.0878	2.423	
238	238 Total PCBs														

#	Name	ProdRT	RT	2nd Peak	3rd Peak	4th Peak	5th Peak	6th Peak	7th Peak	8th Peak	9th Peak	10th Peak	Area	SPC	Comp
1	131 PCB-188	43.02	43.02	1.817e4	1.888e4	1.000	0.97	NO	2.4600	2.4687					
2	132 PCB-184	43.47	43.48	1.863e4	1.820e4	1.000	1.08	NO	2.4670	2.4688					
3	133 PCB-178	44.27	44.28	1.773e4	1.818e4	1.000	1.10	NO	2.5240	2.6238					
4	134 PCB-176	44.70	44.77	1.708e4	1.803e4	1.000	1.07	NO	2.4420	2.4434					
5	135 PCB-168	48.38	48.38	1.788e4	1.844e4	1.000	1.07	NO	2.4870	2.4870					
6	136 PCB-170	48.80	48.80	1.171e4	1.142e4	1.000	1.02	NO	2.3880	2.3880					
7	137 PCB-175	48.24	48.28	1.223e4	1.228e4	1.000	1.00	NO	2.4740	2.4738					
8	138 PCB-182/187	48.42	48.43	2.811e4	2.824e4	1.000	1.00	NO	4.7440	4.7445					
9	139 PCB-183	48.78	48.78	1.328e4	1.284e4	1.000	1.02	NO	2.4780	2.4748					

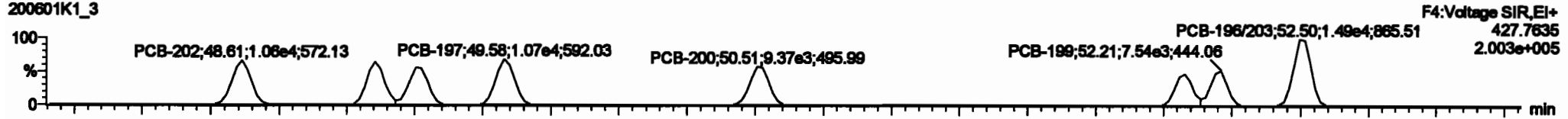


Dataset: Untitled

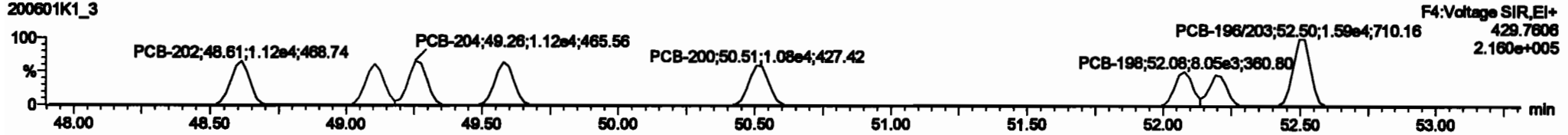
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_3, Date: 01-Jun-2020, Time: 14:19:00, ID: ST200601K1-3 PCB 209 CS2 19G2608, Description: PCB 209 CS2 19G2608

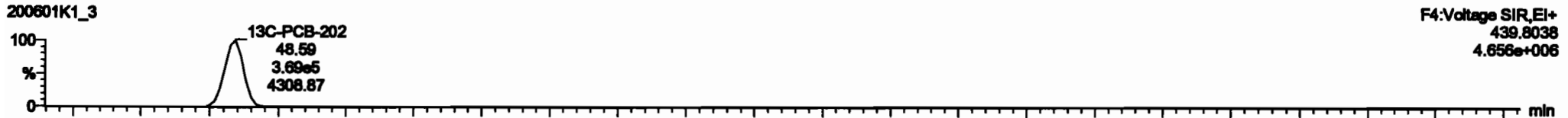
PCB-202  
200601K1\_3



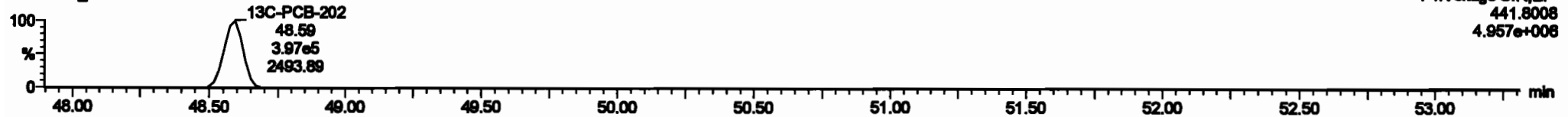
200601K1\_3



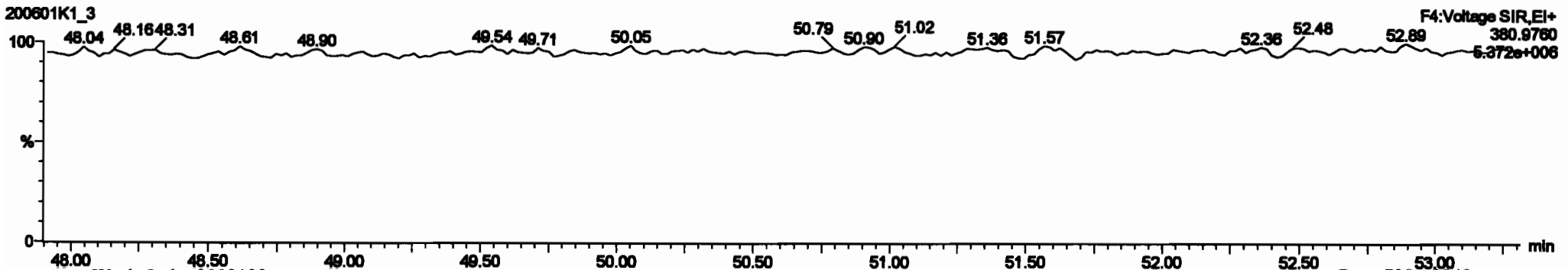
13C-PCB-202



200601K1\_3

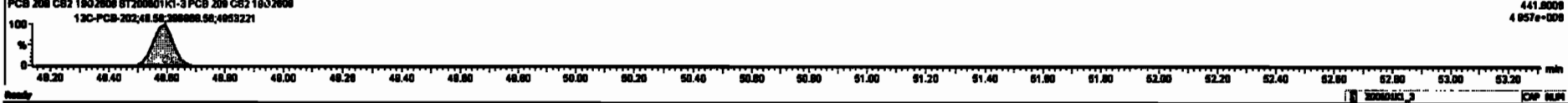
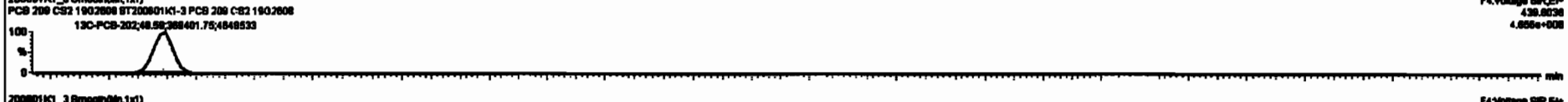
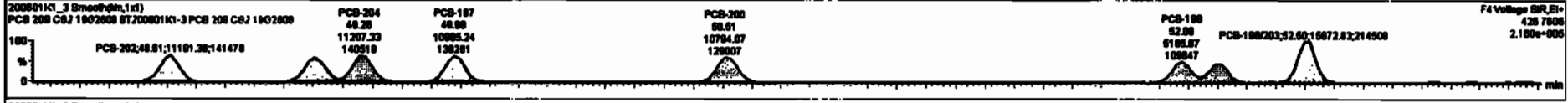
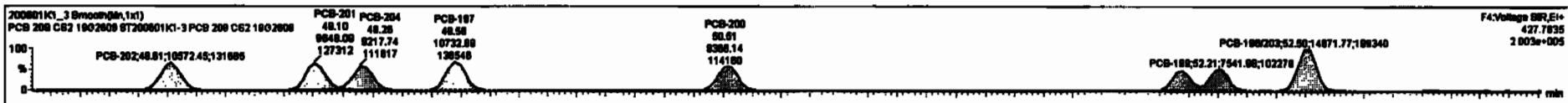


PFK4d



#	Name	Qty	RA	Qty	Unit	Value	Value	Unit	Value	Unit	Value	Unit	Value	Unit
227	2nd Function TM-PCBs					0.0000	1.000	0.00	0.000	NO	30.01	0.304	30.01	
228	Total Tubs-PCBs					1.0776	1.000	0.00	0.000	NO	101.0	0.322	101.0	
229	2nd Function Para-PCBs					1.3167	1.000	0.00	0.000	NO	97.82	0.321	97.82	
230	4th Function Para-PCBs					1.0735	1.000	0.00	0.000	NO	12.18	0.0070	12.18	
231	2nd Function Hase-PCBs					0.0000	1.000	0.00	0.000	NO	32.80	0.0070	32.80	
232	4th Function Hase-PCBs					1.0316	1.000	0.00	0.000	NO	88.73	0.272	88.73	
233	Total Hase-PCBs					1.3001	1.000	0.00	0.000	NO	57.74	0.400	57.74	
234	2nd Function Ode-PCBs					1.0000	1.000	0.00	0.000	NO	31.80	0.0000	31.80	
235	8th Function Ode-PCBs					1.4488	1.000	0.00	0.000	NO	0.974	0.0043	0.974	
236	Total Ode-PCBs					0.0000	1.000	0.00	0.000	NO	7.304	0.0007	7.304	
237	237 Desc-CD					0.0004	1.000	0.00	0.000	NO	2.423	0.0070	2.423	
238	238 Total PCBs													

#	Name	Qty	RA	Qty	Unit	Value	Value	Unit	Value	Unit	Value	Unit
164	PCB-202	48.03	48.01	1.000e+0	1.110e+4	0.000	0.04	NO	2.4310	2.4312		
165	PCB-201	48.10	48.10	0.000e+0	1.000e+4	0.000	0.04	NO	2.4710	2.4712		
166	PCB-204	48.28	48.28	0.210e+0	1.121e+4	0.000	0.02	NO	2.3300	2.3300		
167	PCB-187	48.58	48.58	1.073e+0	1.000e+4	0.000	0.00	NO	2.4016	2.4008		
168	PCB-200	50.51	50.51	0.000e+0	1.070e+4	0.000	0.07	NO	2.4000	2.4001		
169	PCB-188	52.08	52.08	0.000e+0	0.100e+0	0.000	0.00	NO	2.4770	2.4772		
170	PCB-189	52.18	52.21	7.000e+0	7.000e+0	0.000	1.00	NO	2.4300	2.4287		
181	PCB-188203	52.82	52.80	1.400e+0	1.000e+4	0.000	0.04	NO	4.7070	4.7087		



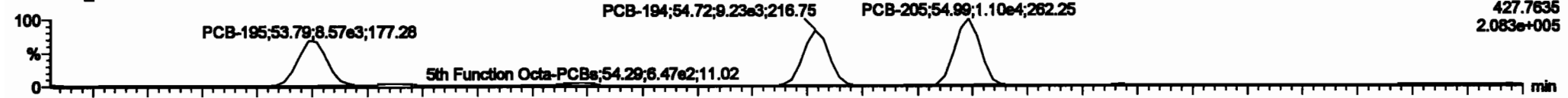
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

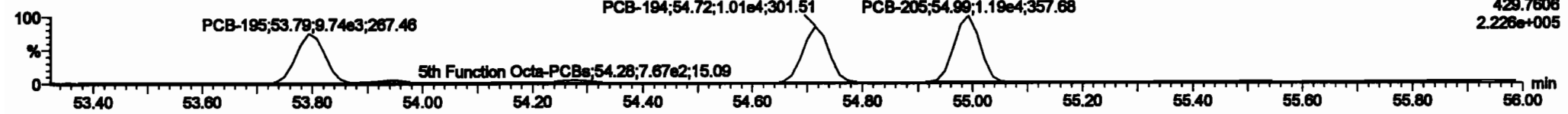
Name: 200801K1\_3, Date: 01-Jun-2020, Time: 14:19:00, ID: ST200801K1-3 PCB 209 CS2 19G2608, Description: PCB 209 CS2 19G2608

**PCB-195**

200801K1\_3

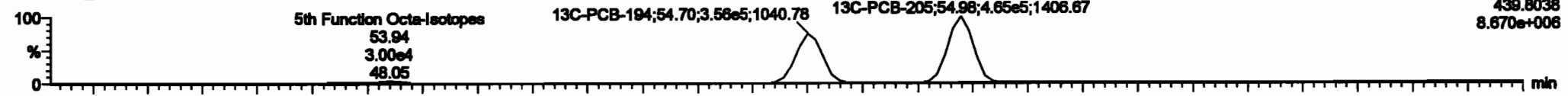


200801K1\_3

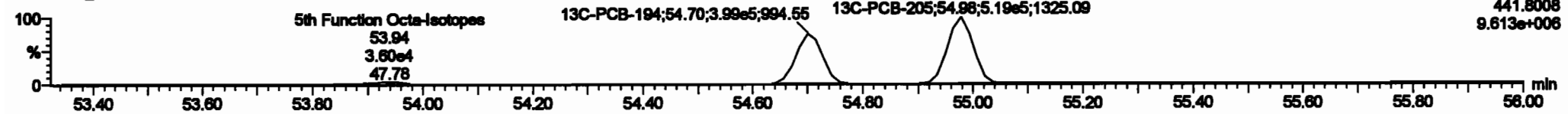


**13C-PCB-194**

200801K1\_3

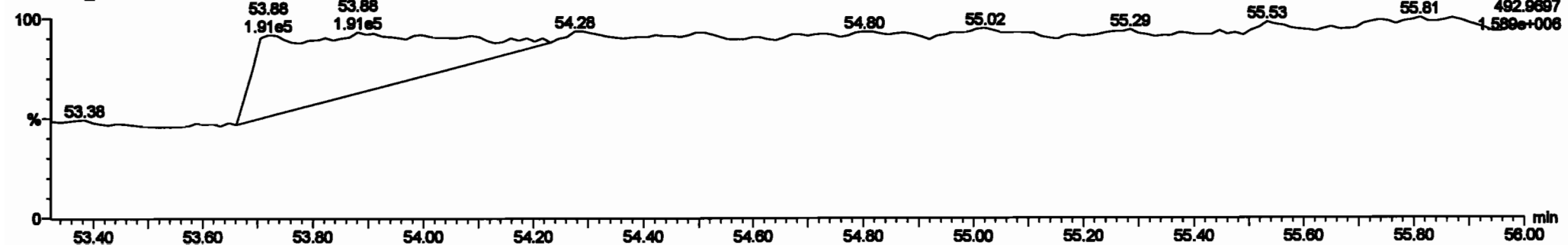


200801K1\_3



**PFK5a**

200801K1\_3



Dataset: Untitled

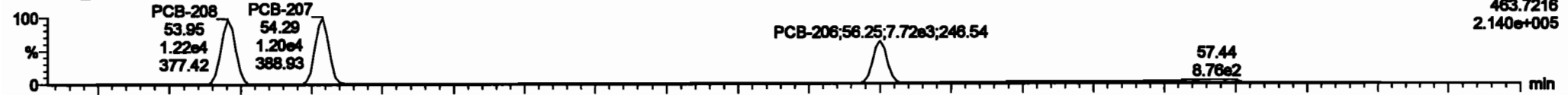
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

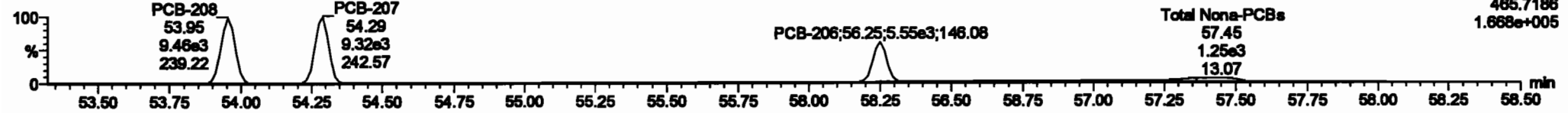
Name: 200601K1\_3, Date: 01-Jun-2020, Time: 14:19:00, ID: ST200601K1-3 PCB 209 CS2 19G2608, Description: PCB 209 CS2 19G2608

**PCB-208**

200601K1\_3

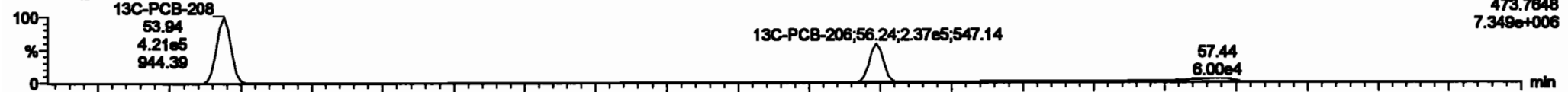


200601K1\_3

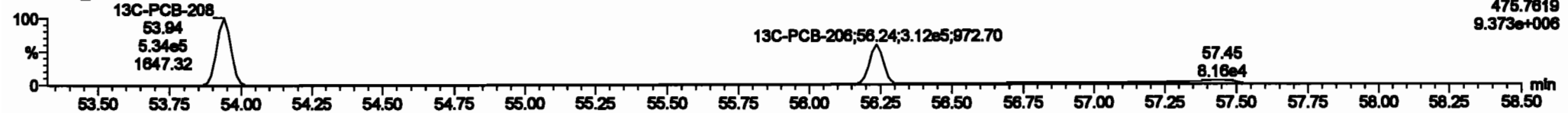


**13C-PCB-208**

200601K1\_3

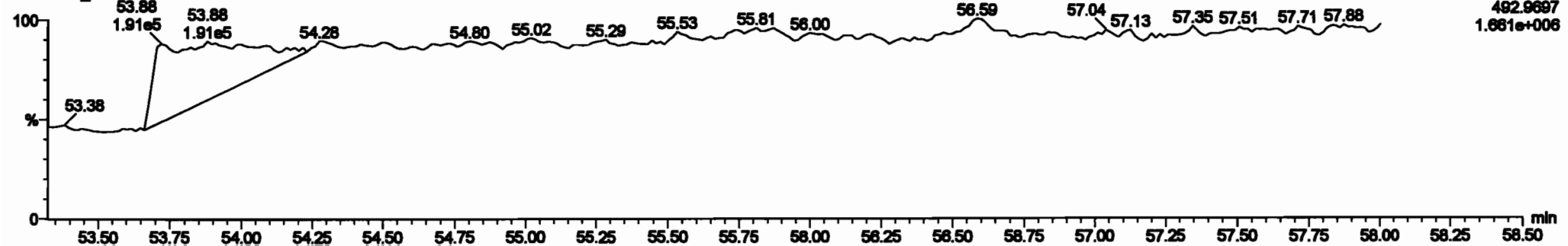


200601K1\_3



**PFK5**

200601K1\_3



Dataset: Untitled

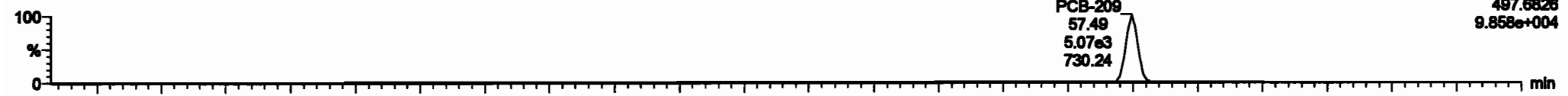
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

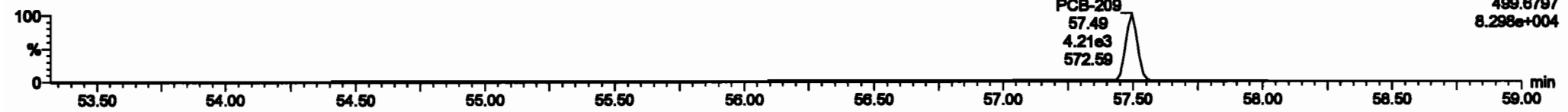
Name: 200601K1\_3, Date: 01-Jun-2020, Time: 14:19:00, ID: ST200601K1-3 PCB 209 CS2 19G2608, Description: PCB 209 CS2 19G2608

**PCB-209**

200601K1\_3

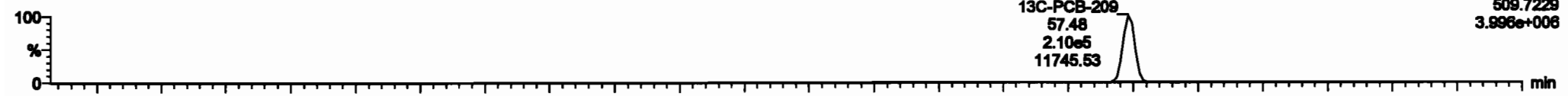


200601K1\_3

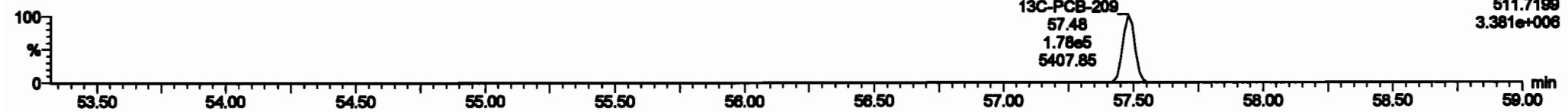


**13C-PCB-209**

200601K1\_3

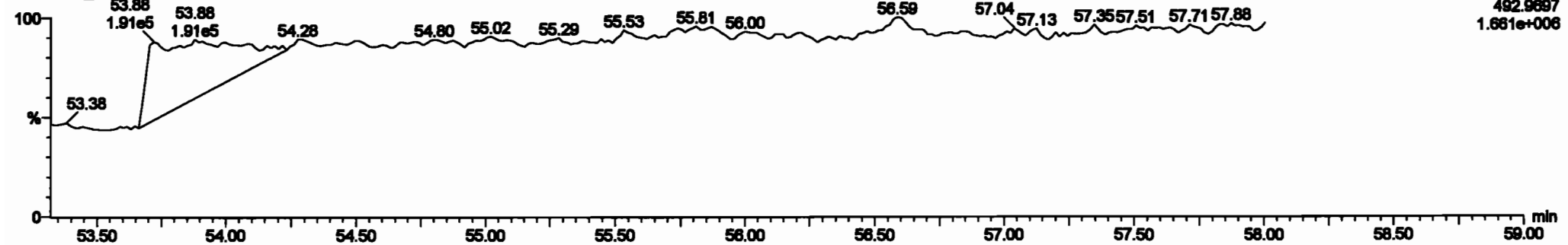


200601K1\_3



**PFK5b**

200601K1\_3



Dataset: Untitled

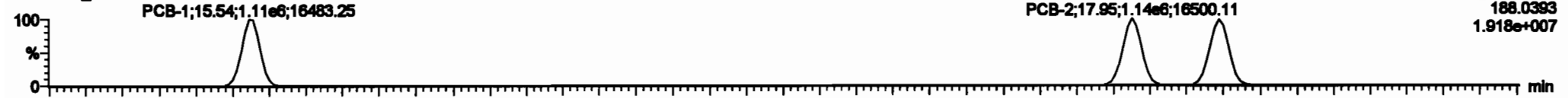
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

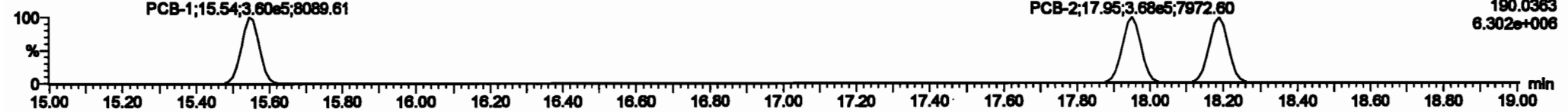
Name: 200601K1\_4, Date: 01-Jun-2020, Time: 15:19:46, ID: ST200601K1-4 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

**PCB-1**

200601K1\_4

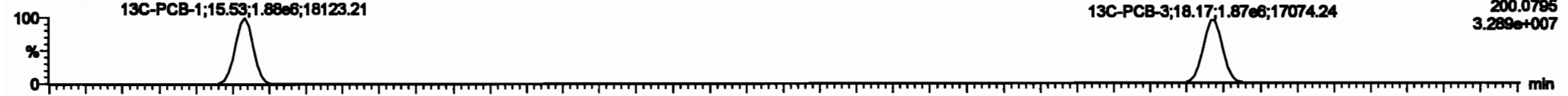


200601K1\_4

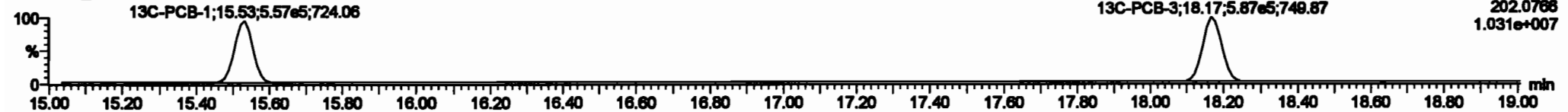


**13C-PCB-1**

200601K1\_4

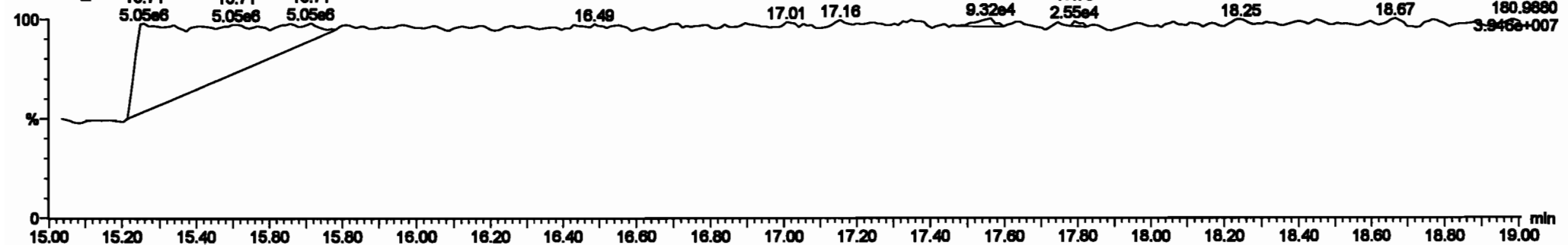


200601K1\_4



**PFK1**

200601K1\_4



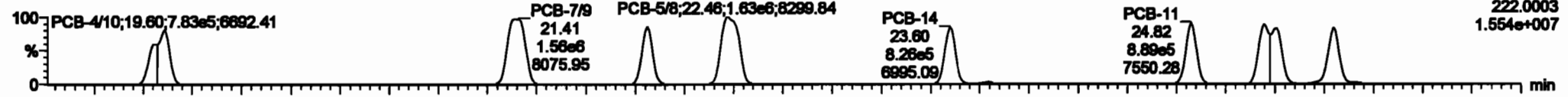
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

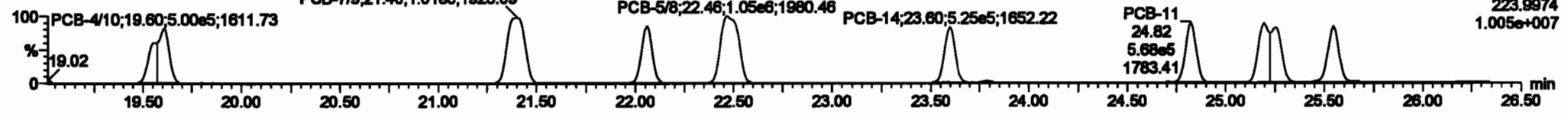
Name: 200601K1\_4, Date: 01-Jun-2020, Time: 15:19:46, ID: ST200601K1-4 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

**PCB-4/10**

200601K1\_4

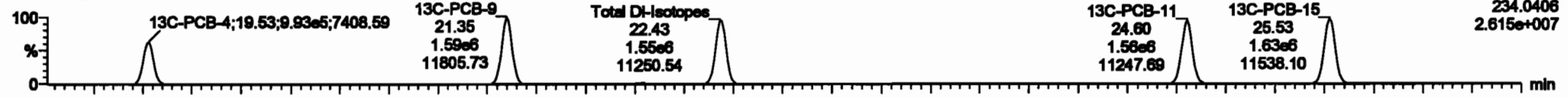


200601K1\_4

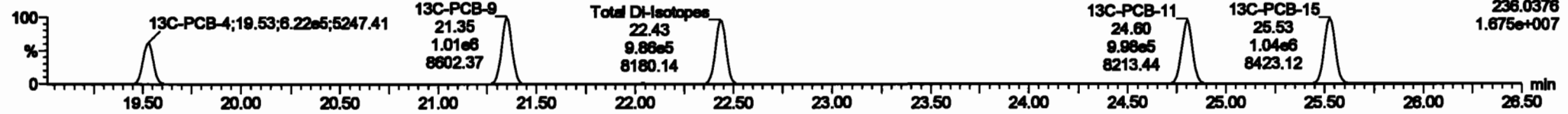


**13C-PCB-4**

200601K1\_4

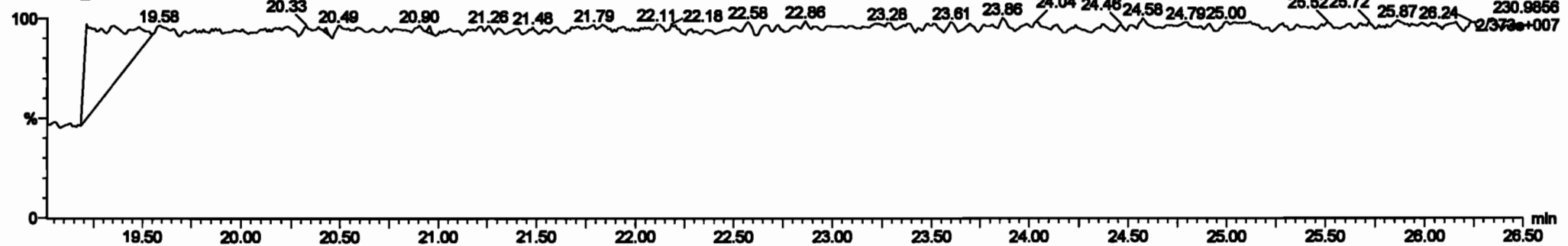


200601K1\_4



**PFK2a**

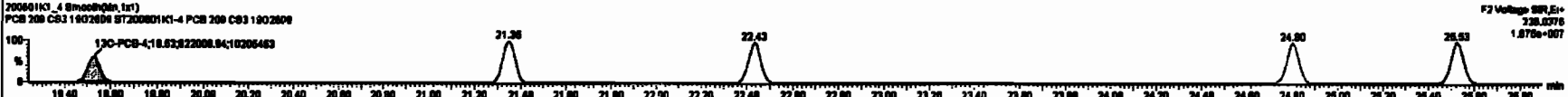
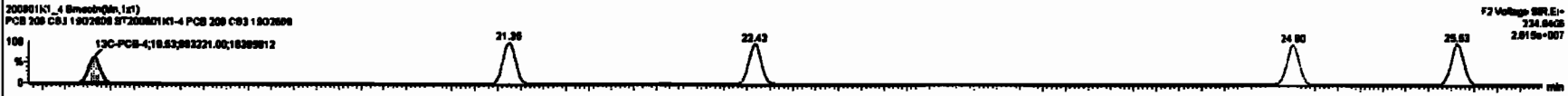
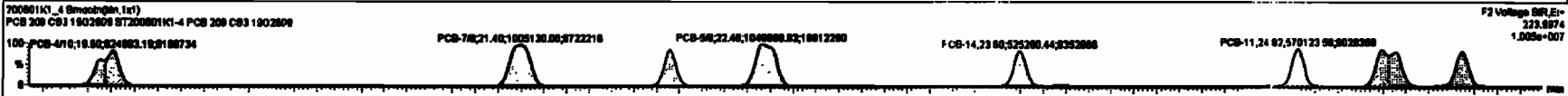
200601K1\_4





#	Name	Temp	RA	dy	RF	width	PeakOff	ST	PeakOff	RF	RFY	RFY	RFY	RFY	RFY	RFY	RFY	RFY
224	Total Mono-PCBs				1.000	0.00	0.000		0.000		ND	100.1	0.000	100.1				
225	2nd Function TAP-PCBs				1.000	0.00	0.000		0.000		ND	412.0	0.000	412.0				
226	2nd Function Para-PCBs				1.000	0.00	0.000		0.000		ND	217.1	0.000	217.1				
227	2nd Function Haze-PCBs				1.000	0.00	0.000		0.000		ND	149.1	0.000	149.1				
228	4th Function Haze-PCBs				1.000	0.00	0.000		0.000		ND	128.0	0.000	128.0				
229	Total Haze-PCBs				1.000	0.00	0.000		0.000		ND	448.1	0.000	448.1				
230	4th Function Ods-PCBs				1.000	0.00	0.000		0.000		ND	149.1	0.000	149.1				

#	Name	Temp	RA	dy	RF	width	PeakOff	ST	PeakOff	RF	RFY	RFY	RFY	RFY	RFY	RFY	RFY	RFY
1	PCB-4/8				1.000	0.00	0.000		0.000		ND	100.04	0.000	100.04				
2	PCB-7/8				1.000	0.00	0.000		0.000		ND	102.06	0.000	102.06				
3	PCB-9				1.000	0.00	0.000		0.000		ND	91.00	0.000	91.00				
4	PCB-14				1.000	0.00	0.000		0.000		ND	100.00	0.000	100.00				
5	PCB-11				1.000	0.00	0.000		0.000		ND	91.00	0.000	91.00				
6	PCB-11				1.000	0.00	0.000		0.000		ND	90.775	0.000	90.775				
7	PCB-12/13				1.000	0.00	0.000		0.000		ND	100.00	0.000	100.00				
8	PCB-15				1.000	0.00	0.000		0.000		ND	92.00	0.000	92.00				

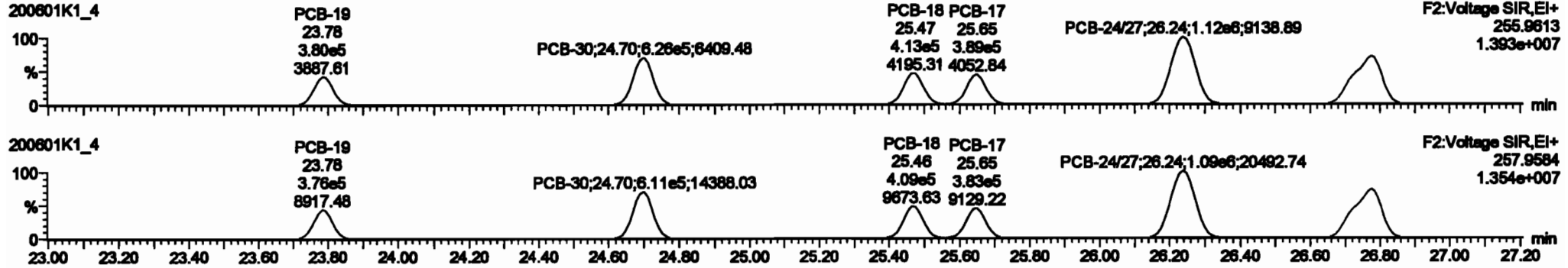


Dataset: Untitled

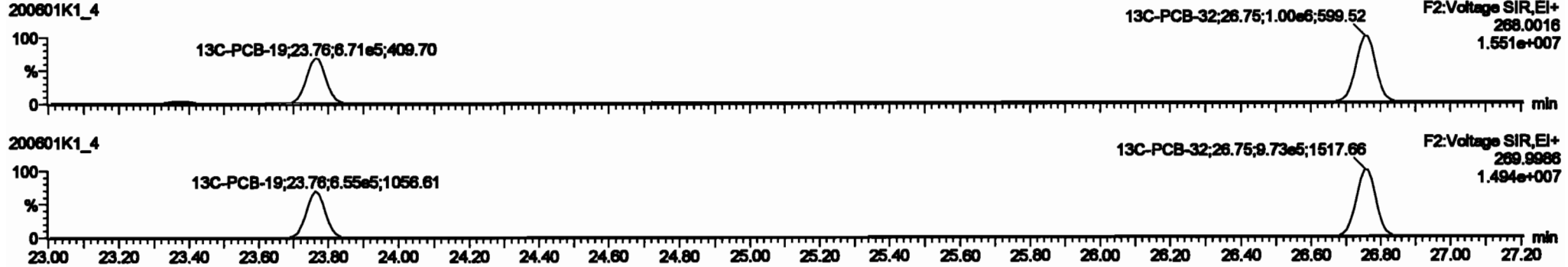
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_4, Date: 01-Jun-2020, Time: 15:19:46, ID: ST200601K1-4 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

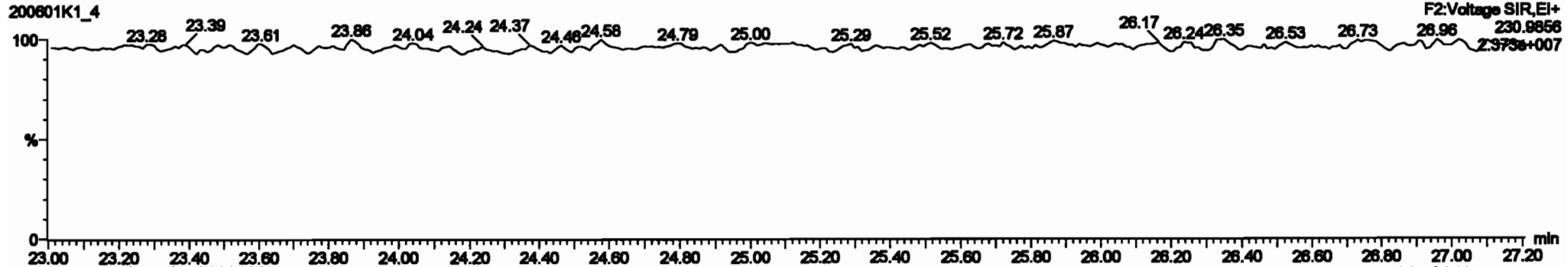
PCB-19



13C-PCB-19



PFK2b



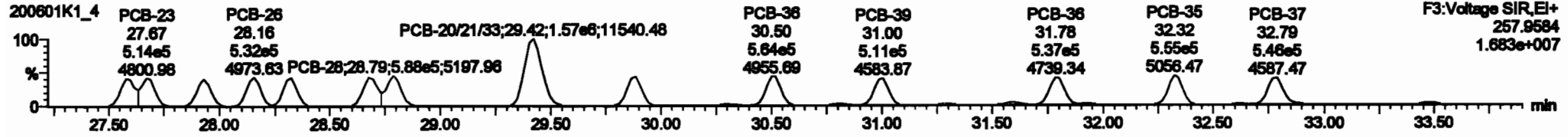
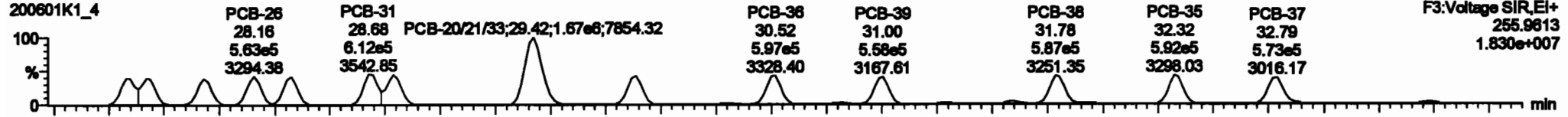
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time

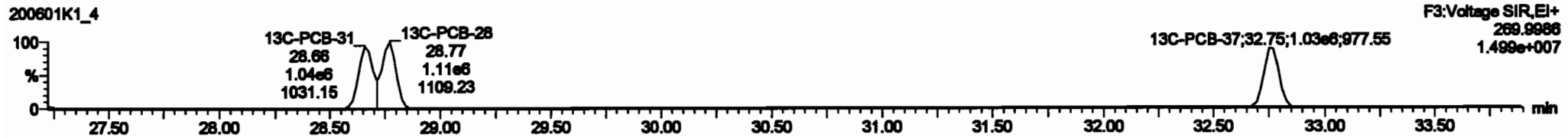
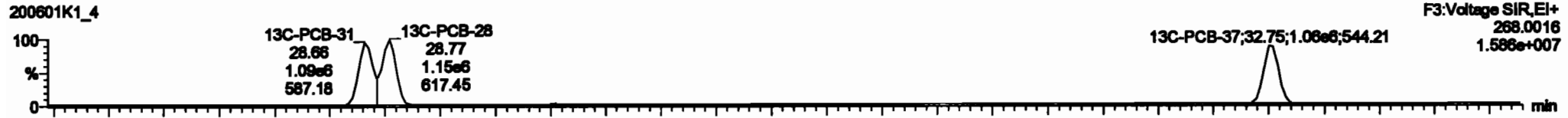
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_4, Date: 01-Jun-2020, Time: 15:19:46, ID: ST200601K1-4 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

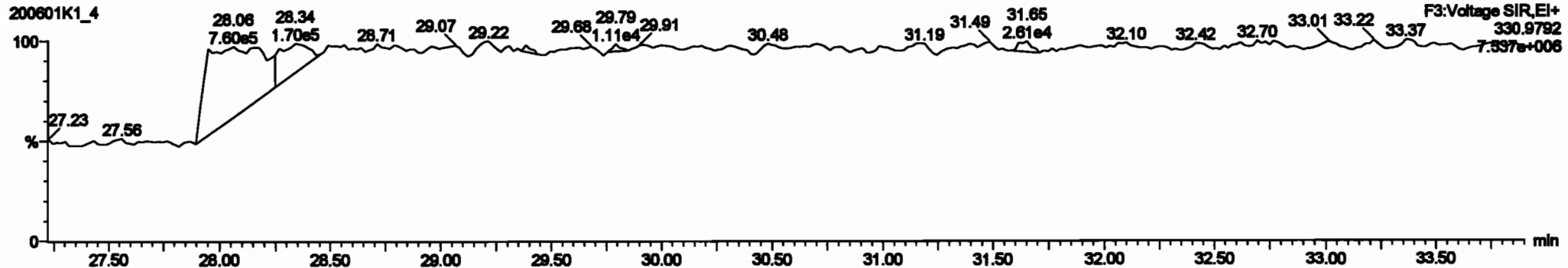
**PCB-34**



**13C-PCB-28**

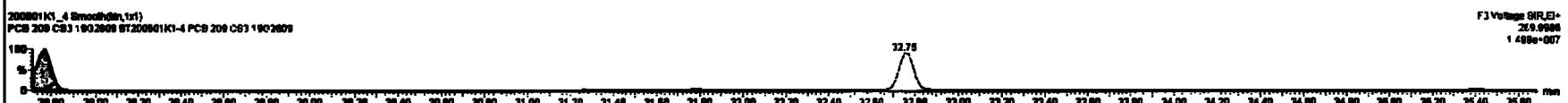
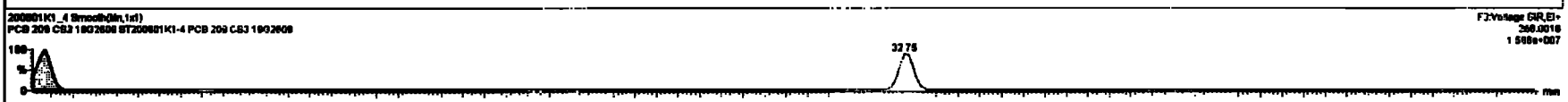
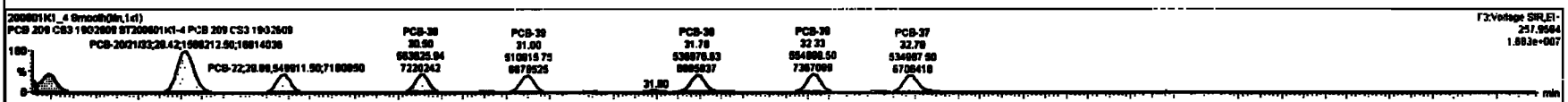
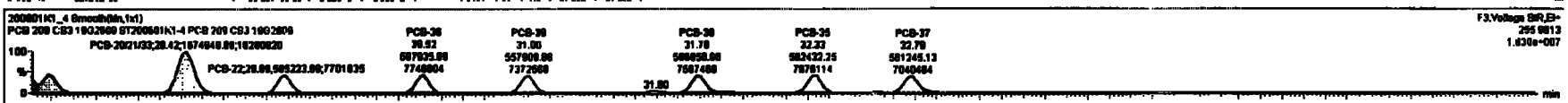


**PFK3d**



#	Material	Usage	SA	Qty	Unit	Cost	Unit Cost	Price	Unit Price	Price	Unit Price	Price	Unit Price	Price	Unit Price	Price	Unit Price
224	Total Mono-PCBs			1,000	1,000	0.00	0.00	0.00	NO	188.1	0.000	188.1					
225	Total Di-PCBs			1,000	1,000	0.00	0.00	0.00	NO	818.4	0.280	818.4					
226	2nd Function Tri-PCBs			1,000	1,000	0.00	0.00	0.00	NO	412.8	0.000	412.8					
227	3rd Function Tetra-PCBs			1,000	1,000	0.00	0.00	0.00	NO	217.1	0.290	217.1					
228	Total Tetra-PCBs			1,000	1,000	0.00	0.00	0.00	NO	217.1	0.290	217.1					
229	2nd Function Penta-PCBs			1,000	1,000	0.00	0.00	0.00	NO	210.8	0.208	210.8					
230	4th Function Penta-PCBs			1,000	1,000	0.00	0.00	0.00	NO	281.1	0.182	281.1					
231	3rd Function Hexa-PCBs			1,000	1,000	0.00	0.00	0.00	NO	887.0	0.188	887.0					
232	4th Function Hexa-PCBs			1,000	1,000	0.00	0.00	0.00	NO	1491	1.28	1491					
233	Total Hepta-PCBs			1,000	1,000	0.00	0.00	0.00	NO	1290	1.28	1290					
234	4th Function Octa-PCBs			1,000	1,000	0.00	0.00	0.00	NO	448.1	0.322	448.1					
235	Total Octa-PCBs			1,000	1,000	0.00	0.00	0.00	NO	448.1	0.322	448.1					

#	Material	Usage	SA	Qty	Unit	Cost	Unit Cost	Price	Unit Price	Price	Unit Price	Price	Unit Price	Price	Unit Price	Price	Unit Price
18	PCB-34			27.87	27.87	5.93e+5	2.13e+5	1.040	1.08	NO	80.487	80.487					
19	PCB-20			27.87	27.87	6.281e+5	2.14e+5	1.040	1.08	NO	82.838	82.838					
20	PCB-28			27.87	27.87	6.216e+5	2.23e+5	1.040	1.08	NO	80.240	80.240					
21	PCB-26			28.18	28.18	6.632e+5	2.32e+5	1.040	1.08	NO	81.287	81.287					
22	PCB-25			28.21	28.22	6.916e+5	2.21e+5	1.040	1.08	NO	80.288	80.288					
23	PCB-31			28.88	28.88	6.118e+5	2.38e+5	1.040	1.14	NO	88.828	88.828					
24	PCB-28			28.78	28.78	6.380e+5	2.87e+5	1.040	1.08	NO	82.734	82.734					
25	PCB-202103			28.43	28.43	1.879e+6	2.88e+5	1.040	1.07	NO	182.28	182.28					
26	PCB-22			28.87	28.88	6.882e+5	2.48e+5	1.040	1.08	NO	81.848	81.848					

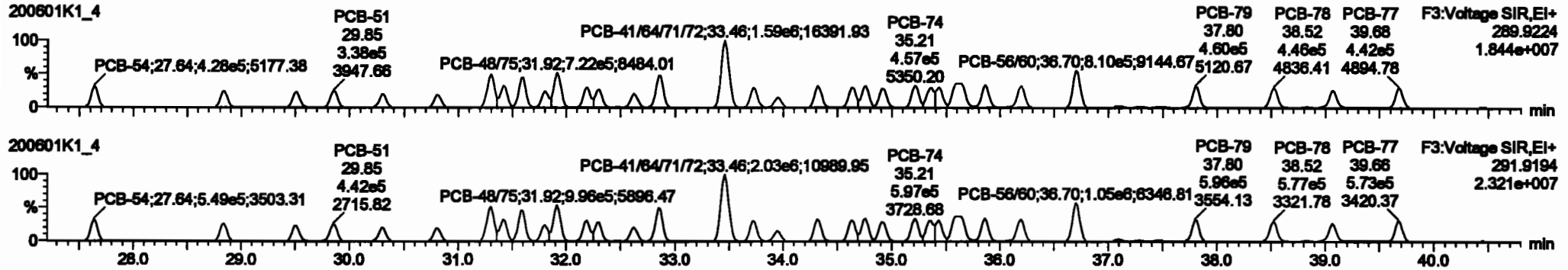


Dataset: Untitled

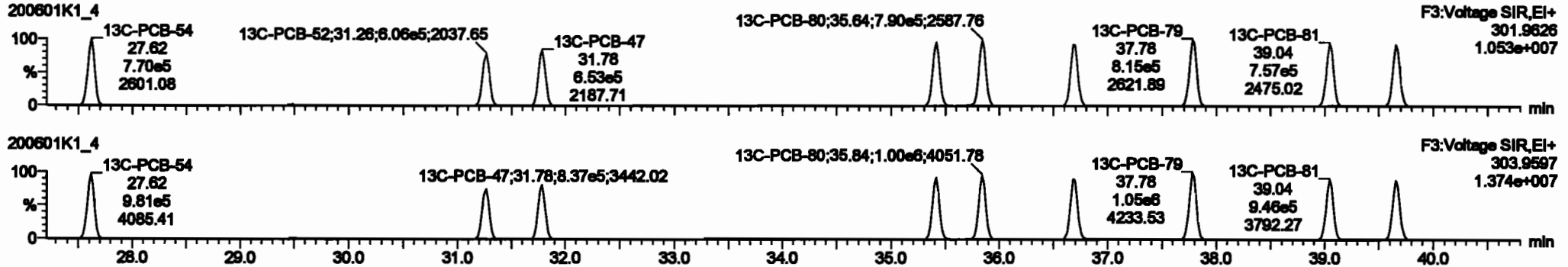
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_4, Date: 01-Jun-2020, Time: 15:19:46, ID: ST200601K1-4 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

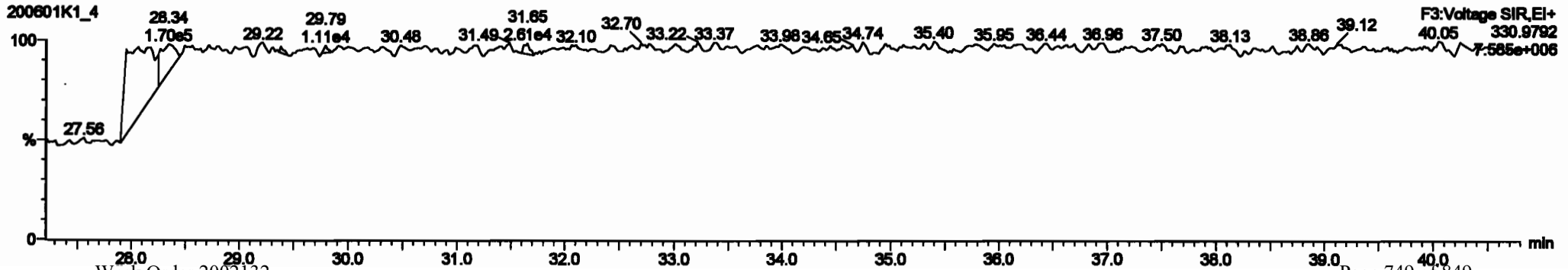
**PCB-54**



**13C-PCB-54**



**PFK3a**



Dataset: Untitled

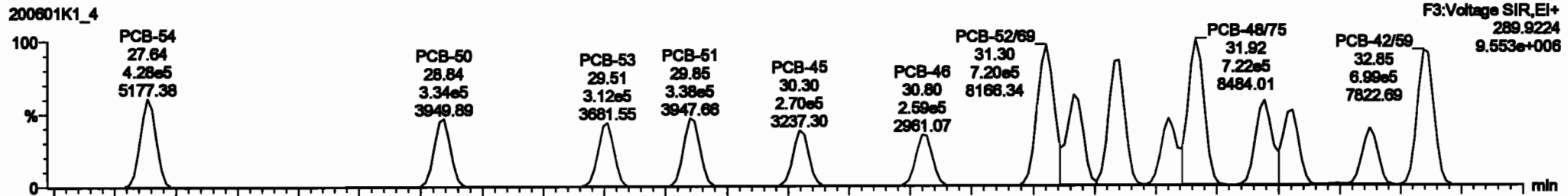
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

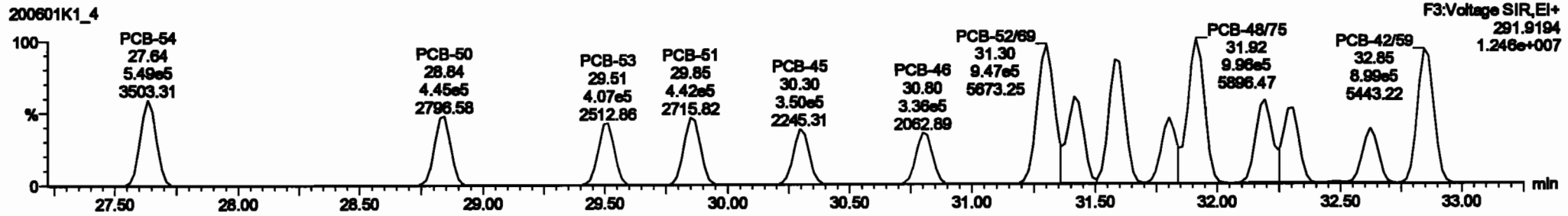
Name: 200601K1\_4, Date: 01-Jun-2020, Time: 15:19:46, ID: ST200601K1-4 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

PCB-50

200601K1\_4

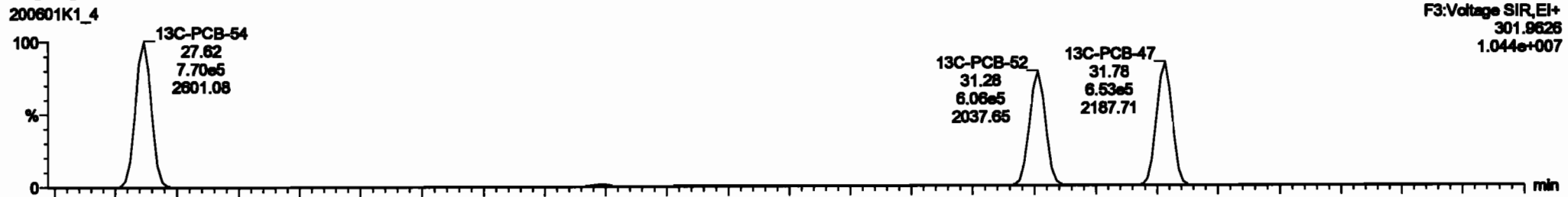


200601K1\_4

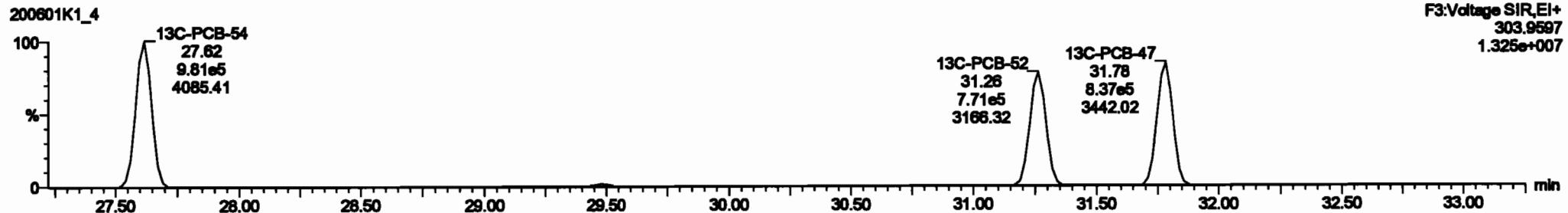


13C-PCB-52

200601K1\_4

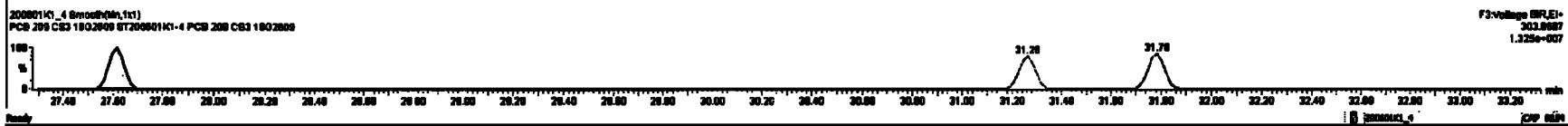
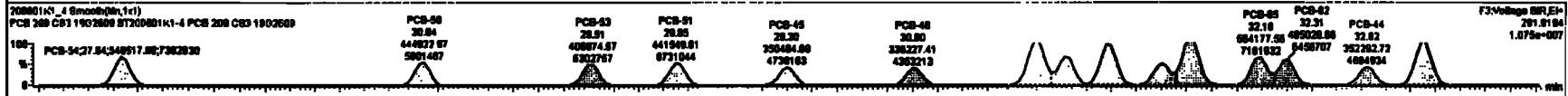
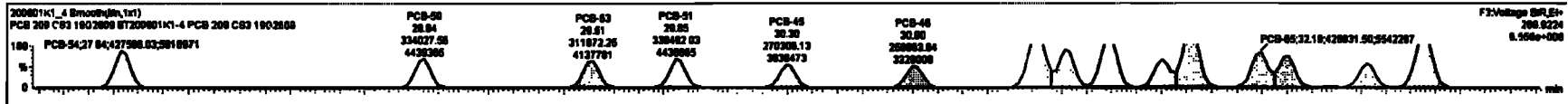


200601K1\_4



#	Name	Range	RA	dy	WDF	width	PeakHT	W	PeakRR	RFC	SWT	Comp	Ratio	UL	SLPC
220	Total Mono-PCBs				1.000	1.000	0.00	0.000	NO	100.1			0.000	100.1	
221	Total Di-PCBs				1.000	1.000	0.00	0.000	NO	016.4			0.300	016.4	
222	2nd Function Tri-PCBs				1.000	1.000	0.00	0.000	NO	412.5			0.000	412.5	
227	3rd Function Tri-PCBs				0.000	1.000	0.00	0.000	NO	018.1			0.371	018.1	
228	3rd Function Tetra-PCBs				1.000	1.000	0.00	0.000	NO	248.0			0.000	248.0	
229	3rd Function Penta-PCBs				1.310	1.000	0.00	0.000	NO	248.0			0.000	248.0	
231	3rd Function Hexa-PCBs				0.000	1.000	0.00	0.000	NO	007.0			0.100	007.0	
232	4th Function Hexa-PCBs				1.000	1.000	0.00	0.000	NO	1401			1.00	1401	
233	Total Hepta-PCBs				1.200	1.000	0.00	0.000	NO	1200			1.20	1200	
234	4th Function Octa-PCBs				1.000	1.000	0.00	0.000	NO	446.1			0.332	446.1	
235	5th Function Octa-PCBs				1.140	1.000	0.00	0.000	NO	104.1			0.900	104.1	

#	Name	Value1	dy	Value2	dy	WDF	width	PeakHT	W	PeakRR	RFC	SWT	Comp	Ratio	UL	SLPC
32	PCB-54	27.84	27.84	4.27005	0.49005	0.770	0.70	NO	91.824	91.824						
33	PCB-50	28.00	28.04	3.24005	4.44005	0.770	0.70	NO	90.070	90.070						
34	PCB-53	28.00	28.01	3.12005	4.08005	0.770	0.77	NO	92.200	92.200						
35	PCB-51	28.00	28.00	3.20005	4.41005	0.770	0.77	NO	93.201	93.201						
36	PCB-45	30.30	30.30	2.70005	3.00005	0.770	0.77	NO	92.000	92.000						
37	PCB-48	30.00	30.00	2.00005	3.30005	0.770	0.77	NO	93.000	93.000						
38	PCB-42/43	31.50	31.50	1.20005	0.47005	0.770	0.70	NO	100.000	100.000						
39	PCB-73	31.41	31.41	4.00005	0.00005	0.770	0.70	NO	93.001	93.001						
40	PCB-42/43	31.00	31.00	0.20005	0.31005	0.770	0.77	NO	100.000	100.000						

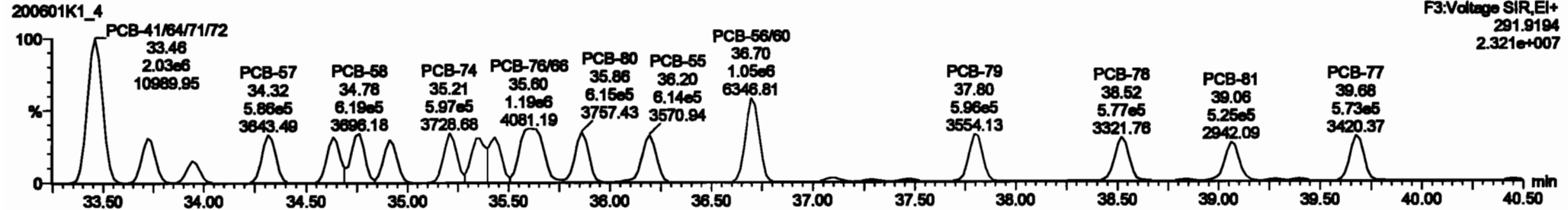
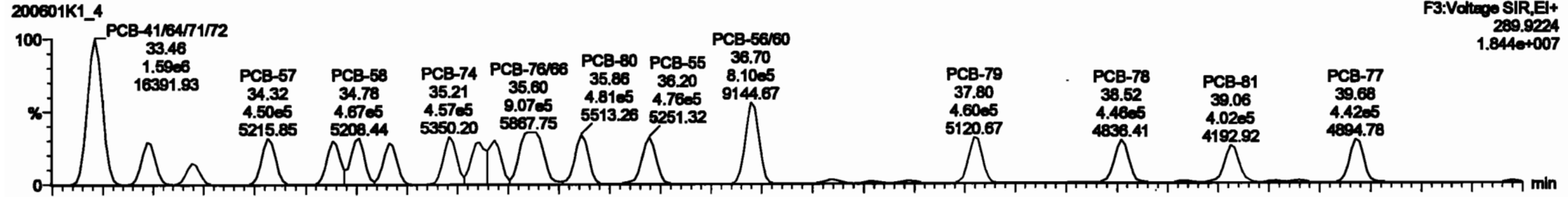


Dataset: Untitled

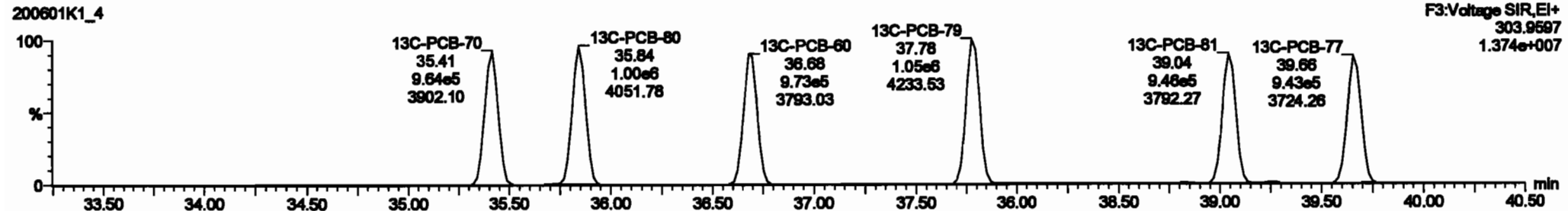
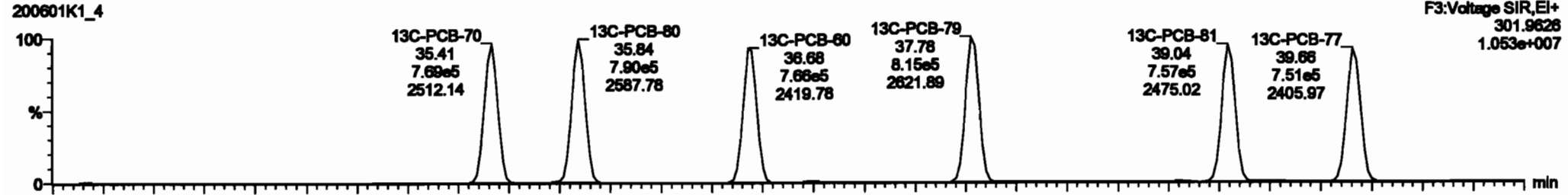
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_4, Date: 01-Jun-2020, Time: 15:19:46, ID: ST200601K1-4 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

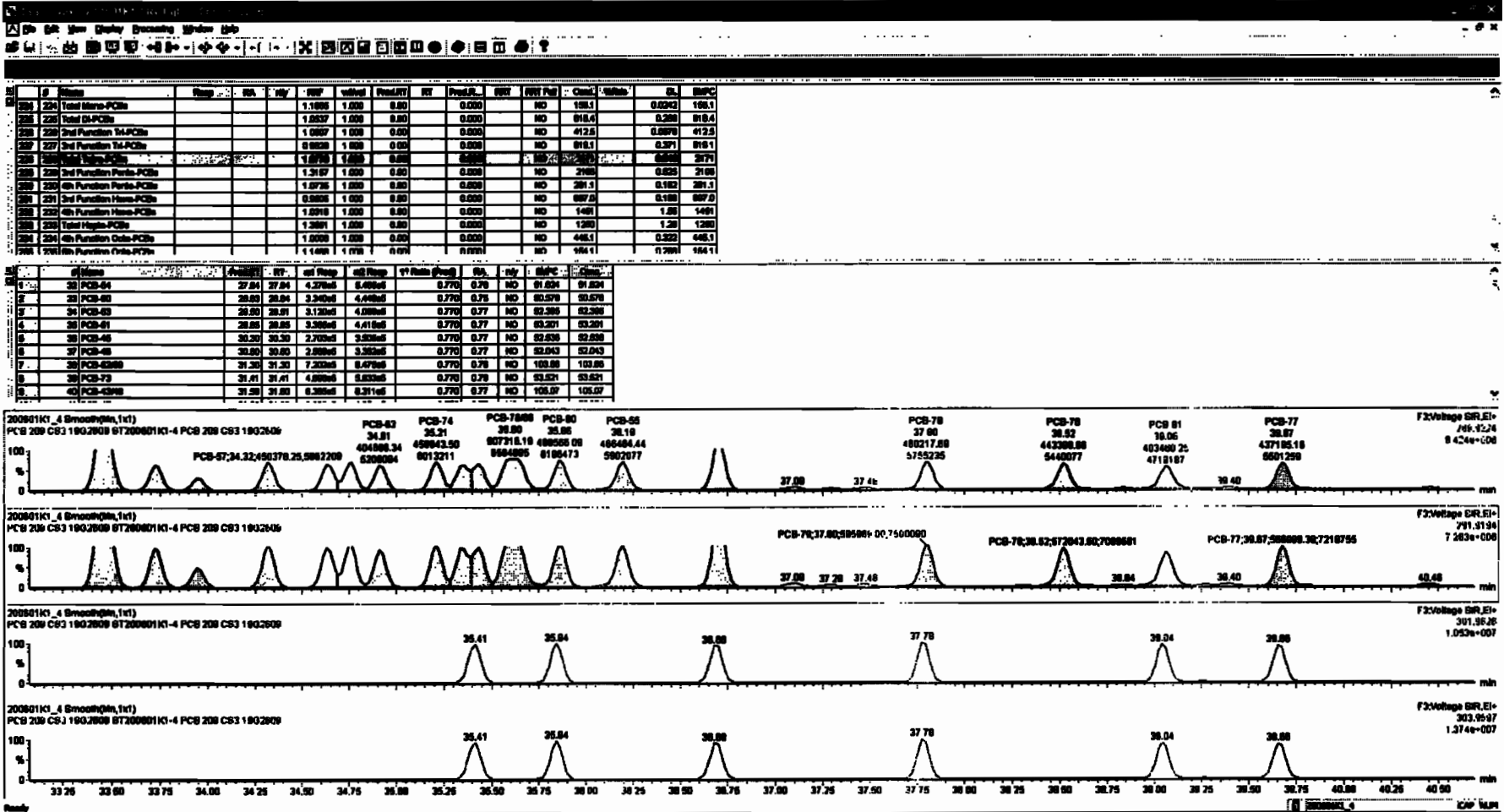
PCB-68



13C-PCB-60







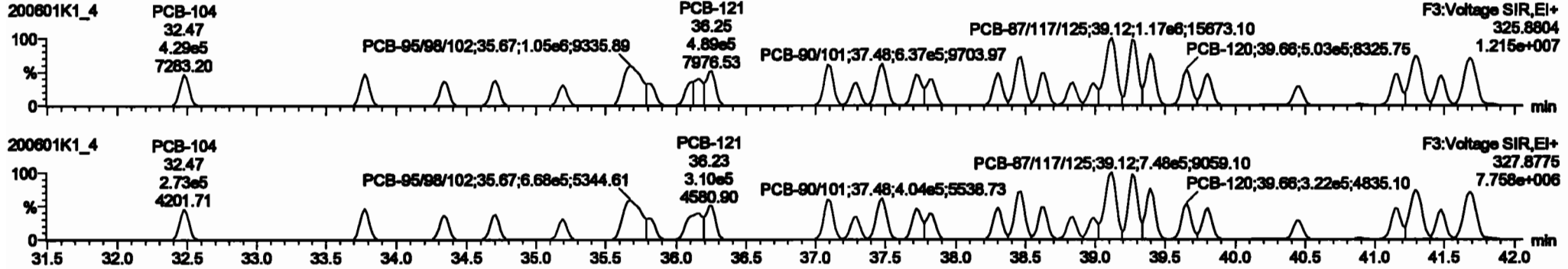
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time

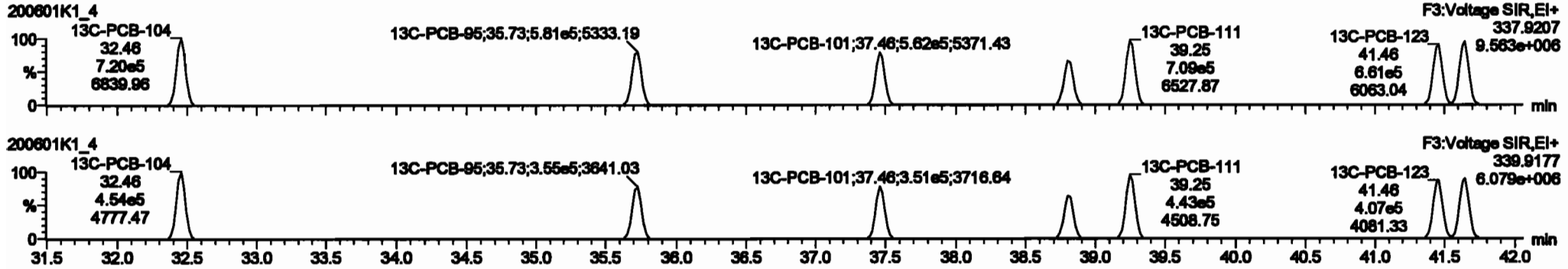
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_4, Date: 01-Jun-2020, Time: 15:19:46, ID: ST200601K1-4 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

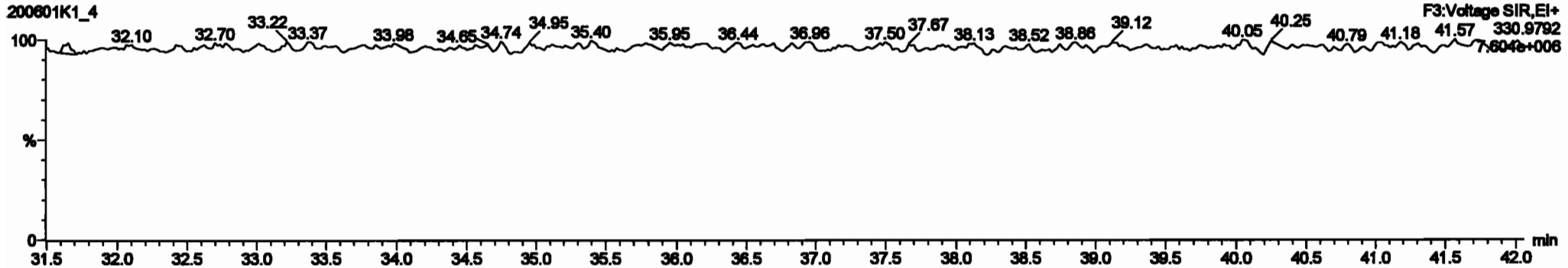
**PCB-104**



**13C-PCB-104**



**PFK3b**



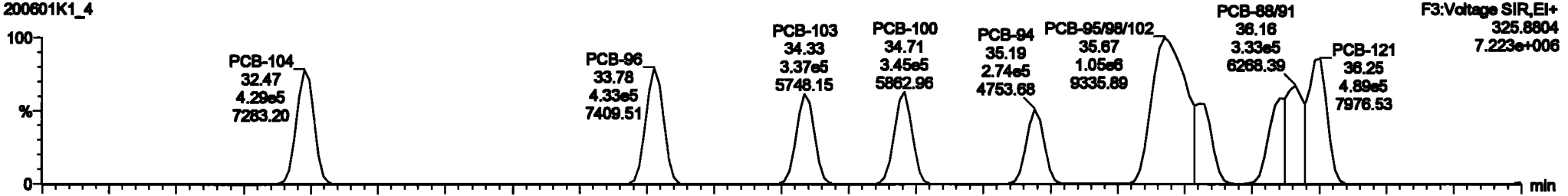
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

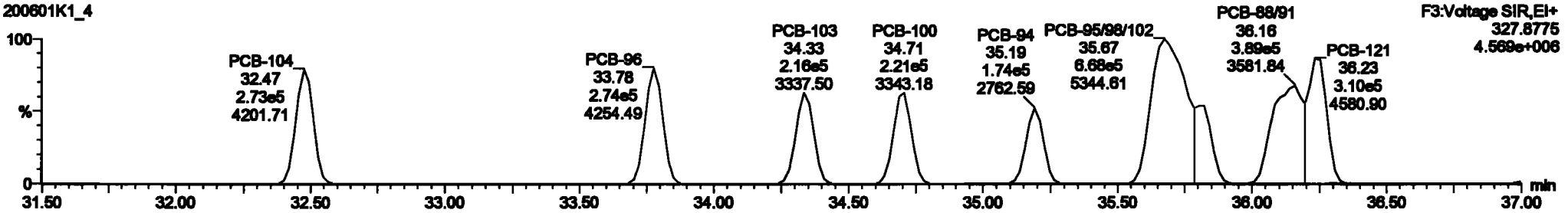
Name: 200601K1\_4, Date: 01-Jun-2020, Time: 15:19:46, ID: ST200601K1-4 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

PCB-96

200601K1\_4

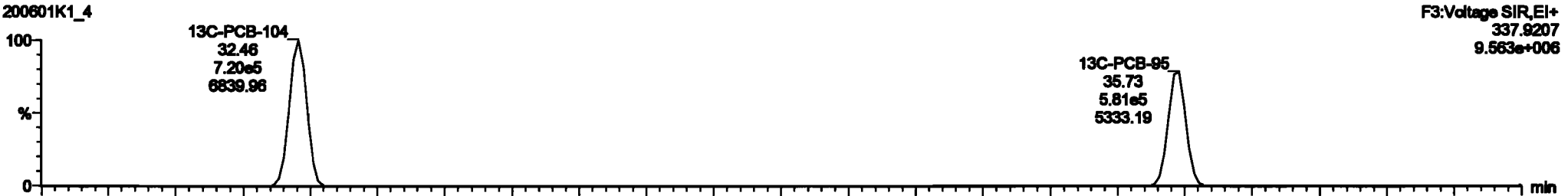


200601K1\_4

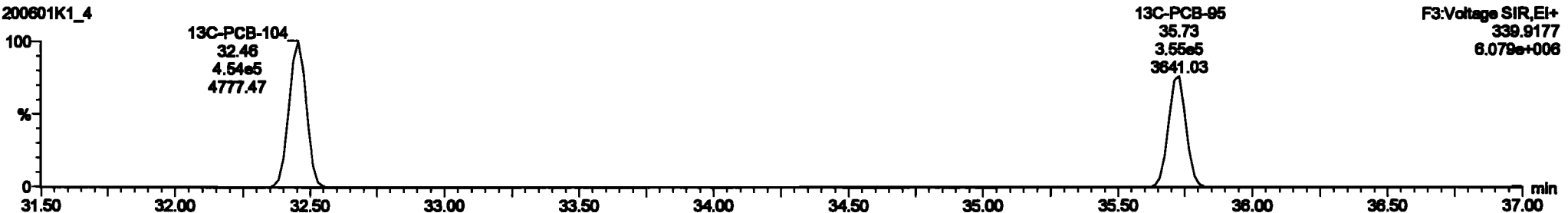


13C-PCB-95

200601K1\_4

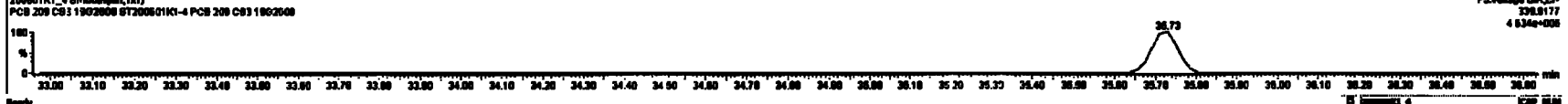
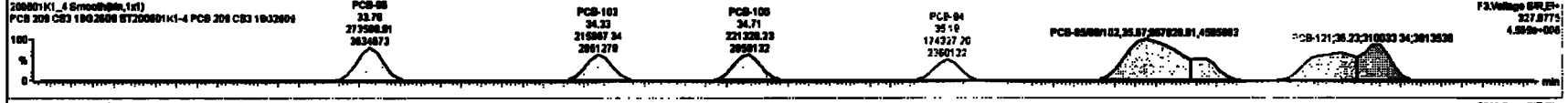
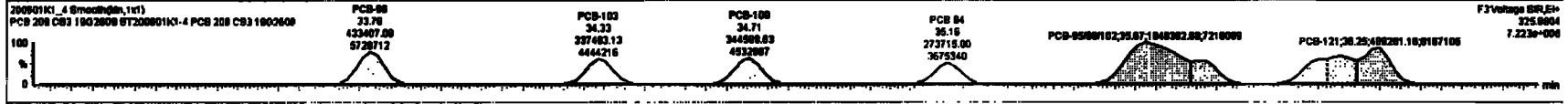


200601K1\_4



#	Category	Wgtg	Qty	Qty	WPC	WtWg	Prod/RT	RT	Prod/R	WPC	WtWg	WtWg	WtWg	WtWg	WtWg	WtWg	WtWg
224	Total Micro-PCBs				1.000	1.000	0.00		0.000	NO	189.1	0.0242	189.1				
225	Total BL-PCBs				1.000	1.000	0.00		0.000	NO	818.4	0.288	818.4				
226	Total Para-PCBs				1.000	1.000	0.00		0.000	NO	412.0	0.0890	412.0				
227	Total Para-PCBs				0.950	1.000	0.00		0.000	NO	818.1	0.391	818.1				
228	Total Para-PCBs				1.070	1.000	0.00		0.000	NO	2171	0.943	2171				
229	Total Para-PCBs				1.200	1.000	0.00		0.000	NO	1120	0.250	1120				
230	4th Para-PCBs				1.070	1.000	0.00		0.000	NO	291.1	0.140	291.1				
231	3rd Para-PCBs				0.950	1.000	0.00		0.000	NO	897.0	0.160	897.0				
232	4th Para-PCBs				1.020	1.000	0.00		0.000	NO	1481	1.68	1481				
233	Total Para-PCBs				1.200	1.000	0.00		0.000	NO	1280	1.28	1280				
234	4th Para-PCBs				1.000	1.000	0.00		0.000	NO	446.1	0.322	446.1				
235	4th Para-PCBs				1.000	1.000	0.00		0.000	NO	194.1	0.261	194.1				

PCB	PCB-08	PCB-103	PCB-108	PCB-04	PCB-05000102,35.07,104382.00,721000	PCB-121,28.25,492201,16,9187105			
84	32.47	32.47	4.20e6	2.72e6	1.800	1.87	NO	83.294	83.294
85	33.76	33.76	4.20e6	2.72e6	1.800	1.88	NO	83.188	83.188
86	34.23	34.23	3.29e6	2.10e6	1.800	1.89	NO	83.288	83.288
87	34.80	34.71	3.44e6	2.25e6	1.800	1.88	NO	83.218	83.218
88	35.23	35.13	2.79e6	1.79e6	1.800	1.87	NO	83.088	83.088
89	35.89	35.67	1.40e6	0.87e6	1.800	1.87	NO	183.28	183.28
70	35.91	35.61	2.03e6	1.71e6	1.800	1.83	NO	83.282	83.282
71	36.10	36.16	0.07e6	3.82e6	1.800	1.88	NO	100.02	100.02
72	36.28	36.28	4.08e6	3.50e6	1.800	1.88	NO	48.888	48.888



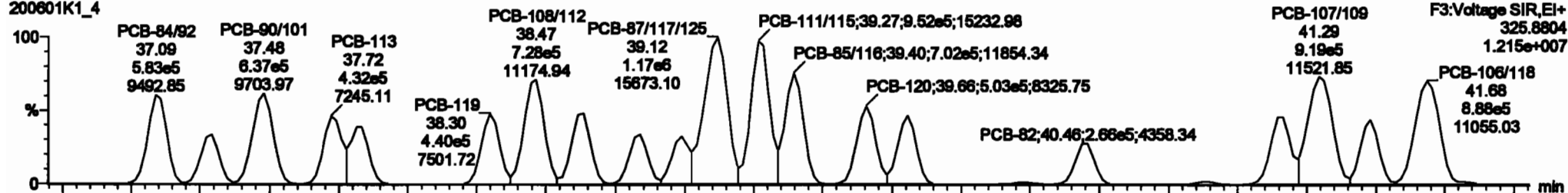
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

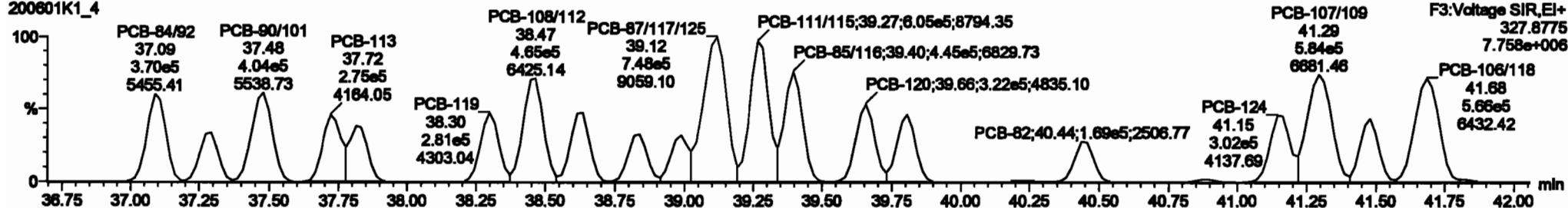
Name: 200601K1\_4, Date: 01-Jun-2020, Time: 15:19:46, ID: ST200601K1-4 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

PCB-119

200601K1\_4

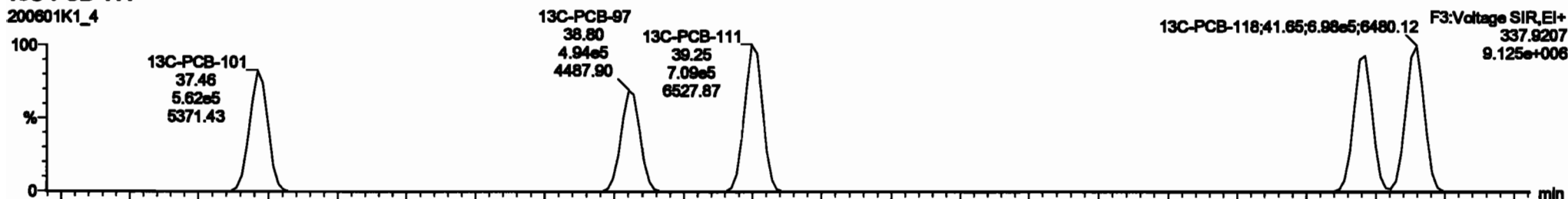


200601K1\_4

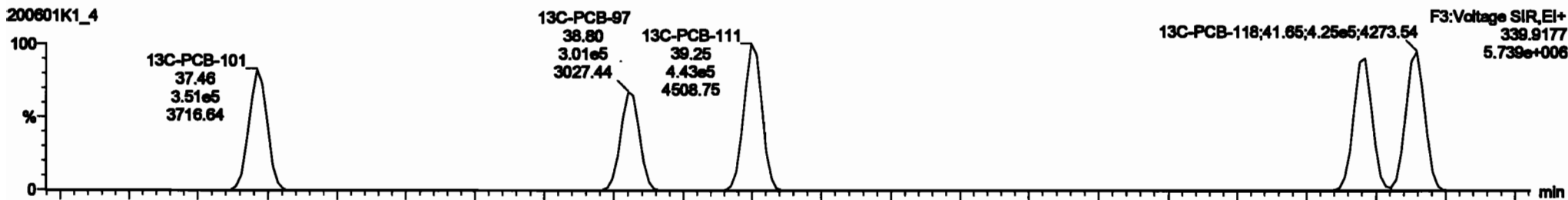


13C-PCB-111

200601K1\_4

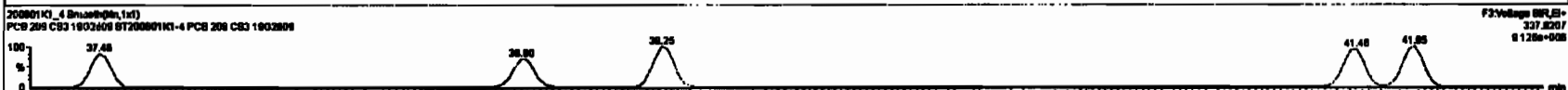
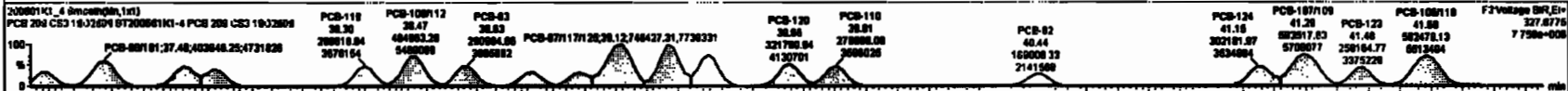


200601K1\_4



#	Name	Range	RA	dy	RF	width	PresRF	RF	PresRF	RF	RFI Pat	Class	Units	EL	SPFC
234	Total Mono-PCBs		1.1888	1.000	0.00	0.000	NO	188.1	0.000	188.1			0.000	188.1	
235	Total Di-PCBs		1.0007	1.000	0.00	0.000	NO	918.4	0.000	918.4			0.000	918.4	
236	2nd Function TM-PCBs		1.0007	1.000	0.00	0.000	NO	412.8	0.000	412.8			0.000	412.8	
237	2nd Function TM-PCBs		0.0000	1.000	0.00	0.000	NO	918.1	0.000	918.1			0.000	918.1	
238	Total Tolu-PCBs		1.0776	1.000	0.00	0.000	NO	2171	0.000	2171			0.000	2171	
239	4th Function Para-PCBs		1.0776	1.000	0.00	0.000	NO	209.1	0.000	209.1			0.000	209.1	
240	2nd Function Para-PCBs		0.0000	1.000	0.00	0.000	NO	697.0	0.000	697.0			0.000	697.0	
241	4th Function Meta-PCBs		1.0010	1.000	0.00	0.000	NO	1491	0.000	1491			1.000	1491	
242	Total Meta-PCBs		1.0001	1.000	0.00	0.000	NO	1200	0.000	1200			1.000	1200	
243	4th Function Ortho-PCBs		1.0000	1.000	0.00	0.000	NO	448.1	0.000	448.1			0.000	448.1	
244	2nd Function Ortho-PCBs		1.1498	1.000	0.00	0.000	NO	104.1	0.000	104.1			0.000	104.1	

#	Name	PresRF	RF	off Range	off Range	1 <sup>st</sup> Peak (Pres)	RA	dy	SPFC	Class
64	PCB-118	32.47	32.47	4.20e-6	2.72e-6	1.000	1.07	NO	63.234	63.234
65	PCB-49	33.76	33.76	4.20e-6	2.72e-6	1.000	1.00	NO	62.119	62.119
66	PCB-109	34.23	34.23	3.37e-6	2.18e-6	1.000	1.00	NO	60.288	60.288
67	PCB-100	34.69	34.71	3.44e-6	2.21e-6	1.000	1.00	NO	60.918	60.918
68	PCB-81	35.21	35.19	2.72e-6	1.74e-6	1.000	1.07	NO	60.480	60.480
69	PCB-66/66/62	35.69	35.67	1.84e-6	0.67e-6	1.000	1.07	NO	162.28	162.28
70	PCB-40	36.01	36.01	2.50e-6	1.74e-6	1.000	1.00	NO	60.287	60.287
71	PCB-68/61	36.18	36.18	0.07e-6	3.00e-6	1.000	1.00	NO	100.02	100.02
72	PCB-121	36.30	36.28	4.00e-6	3.10e-6	1.000	1.00	NO	49.000	49.000



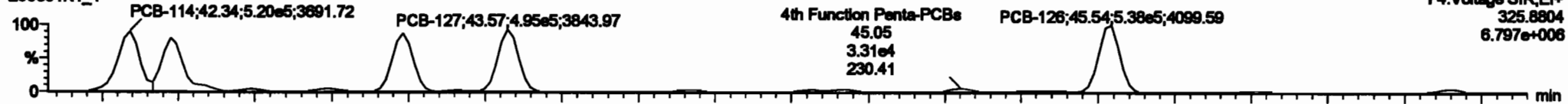
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

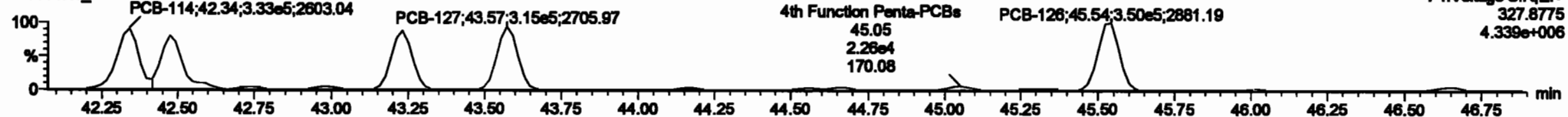
Name: 200601K1\_4, Date: 01-Jun-2020, Time: 15:19:46, ID: ST200601K1-4 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

**PCB-114**

200601K1\_4

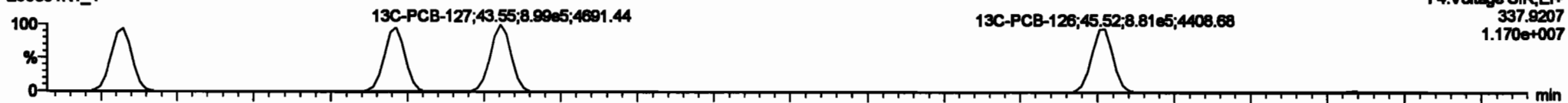


200601K1\_4

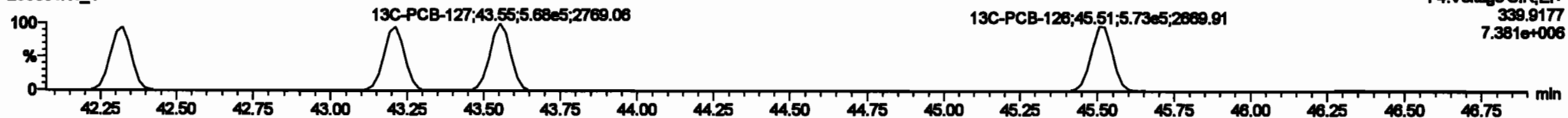


**13C-PCB-114**

200601K1\_4

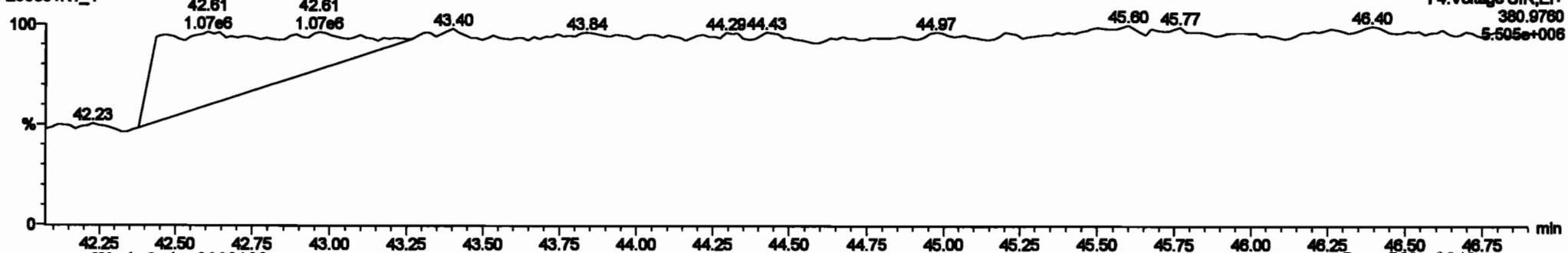


200601K1\_4



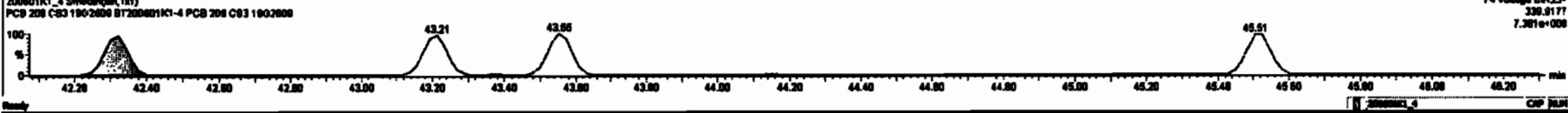
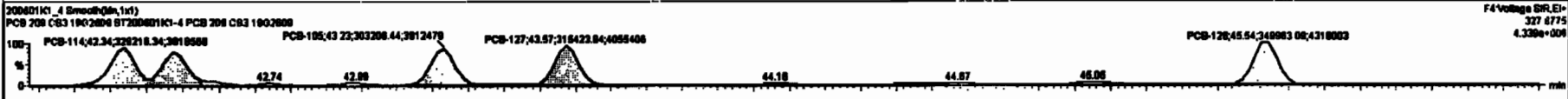
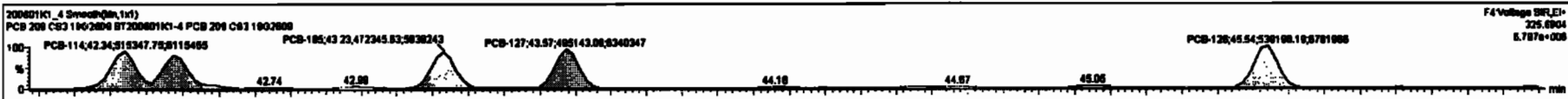
**PFK4a**

200601K1\_4



#	Name	Range	BA	Units	RFI	RFI Min	RFI Max	RFI Avg	RFI Std	RFI Min	RFI Max	RFI Avg	RFI Std	RFI Min	RFI Max	RFI Avg	RFI Std
224	Total Micro-PCBs				1.1885	1.000	0.00	0.000	NO	198.1		0.0042	198.1				
225	Total DL-PCBs				1.0837	1.000	0.00	0.000	NO	818.4		0.289	818.4				
226	2nd Function Tri-PCBs				1.2607	1.000	0.00	0.000	NO	412.5		0.0070	412.5				
227	3rd Function Tri-PCBs				0.9828	1.000	0.00	0.000	NO	818.1		0.371	818.1				
228	Total Tetra-PCBs				1.5778	1.000	0.00	0.000	NO	2171		0.843	2171				
229	2nd Function Penta-PCBs				1.3157	1.000	0.00	0.000	NO	2168		0.823	2168				
230	3rd Function Penta-PCBs				1.0224	1.000	0.00	0.000	NO	289.2		0.488	289.2				
231	2nd Function Hexa-PCBs				0.8886	1.000	0.00	0.000	NO	99.0		0.188	99.0				
232	3rd Function Hexa-PCBs				1.0918	1.000	0.00	0.000	NO	1481		1.55	1481				
233	Total Hepta-PCBs				1.3891	1.000	0.00	0.000	NO	1280		1.28	1280				
234	3rd Function Octa-PCBs				1.0028	1.000	0.00	0.000	NO	445.1		0.322	445.1				
235	2nd Function Octa-PCBs				1.1488	1.000	0.00	0.000	NO	184.1		0.280	184.1				

#	Name	RFI	RFI Min	RFI Max	RFI Avg	RFI Std	RFI Min	RFI Max	RFI Avg	RFI Std	
1	83 PCB-114	42.34	42.34	42.34	42.34	0.0000	1.000	1.87	NO	82.841	82.841
2	84 PCB-122	42.48	42.47	42.48	42.48	0.0000	1.000	1.88	NO	82.105	82.105
3	85 PCB-105	43.23	43.23	43.23	43.23	0.0000	1.000	1.88	NO	82.880	82.880
4	86 PCB-127	43.57	43.57	43.57	43.57	0.0000	1.000	1.87	NO	82.188	82.188
5	87 PCB-128	45.54	45.54	45.54	45.54	0.0000	1.000	1.84	NO	82.138	82.138





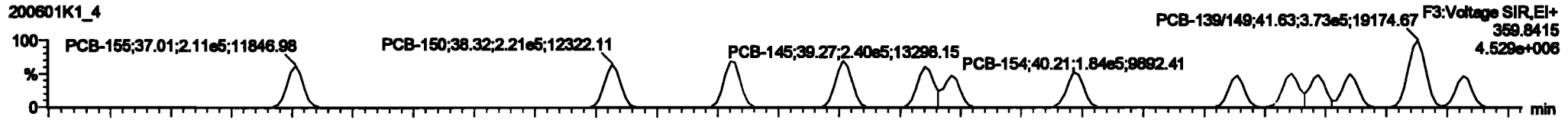
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

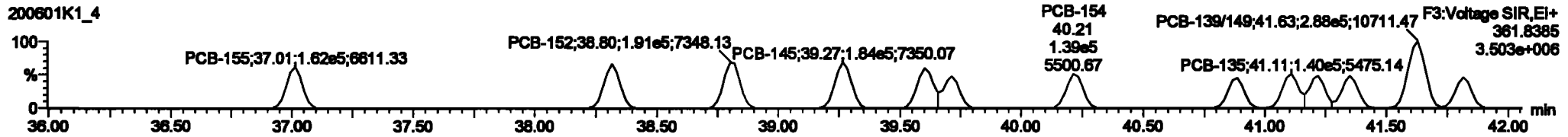
Name: 200601K1\_4, Date: 01-Jun-2020, Time: 15:19:46, ID: ST200601K1-4 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

**PCB-155**

200601K1\_4

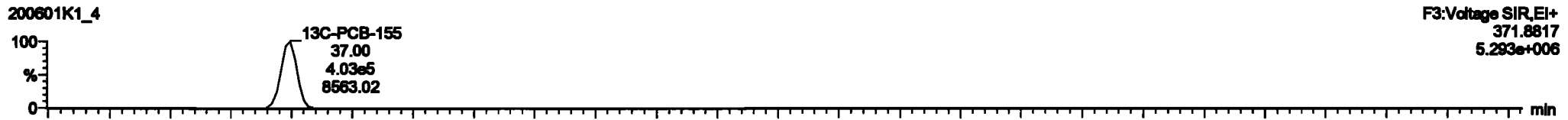


200601K1\_4

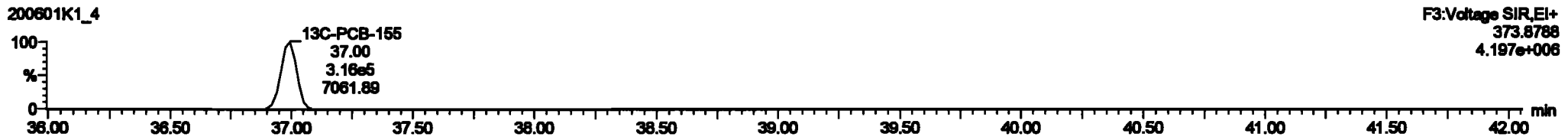


**13C-PCB-155**

200601K1\_4

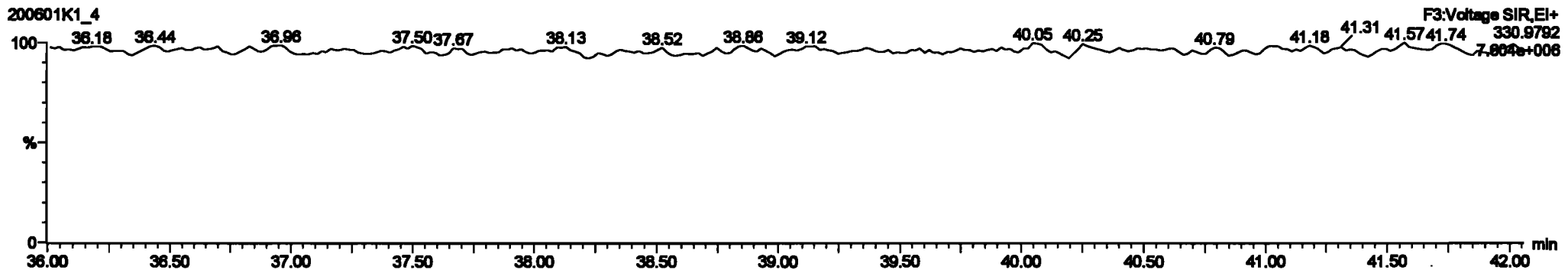


200601K1\_4



**PFK3c**

200601K1\_4

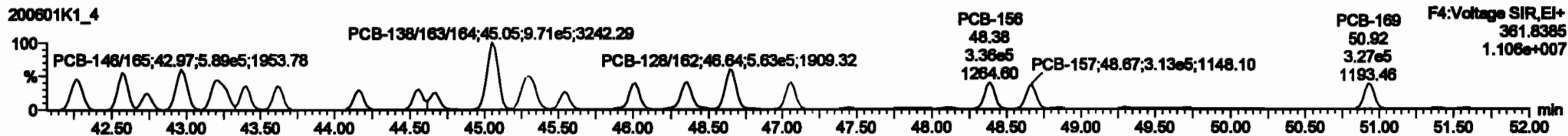
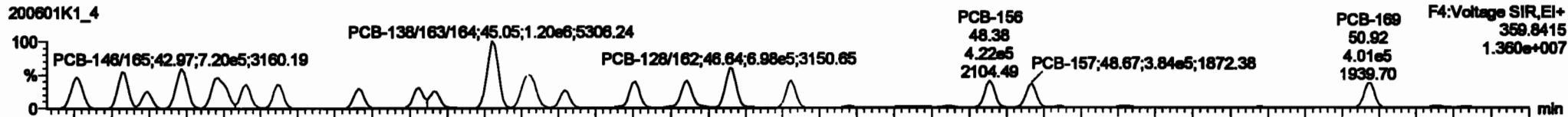


Dataset: Untitled

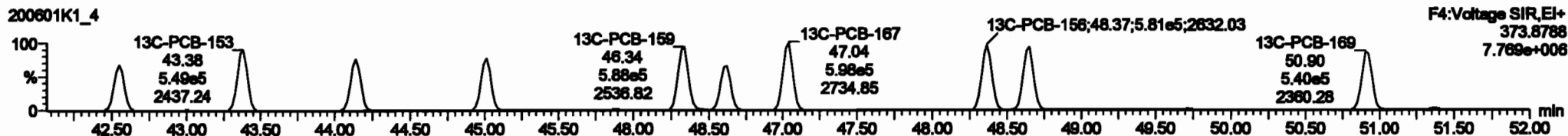
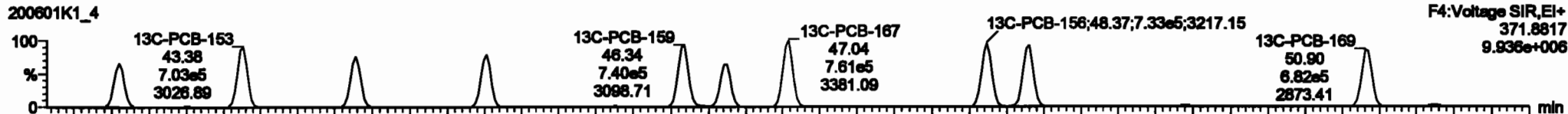
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_4, Date: 01-Jun-2020, Time: 15:19:46, ID: ST200601K1-4 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

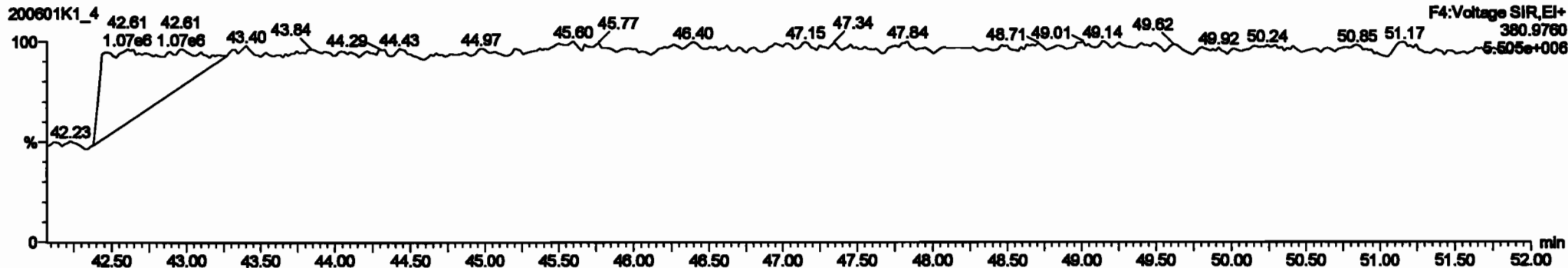
PCB-134/143



13C-PCB-153

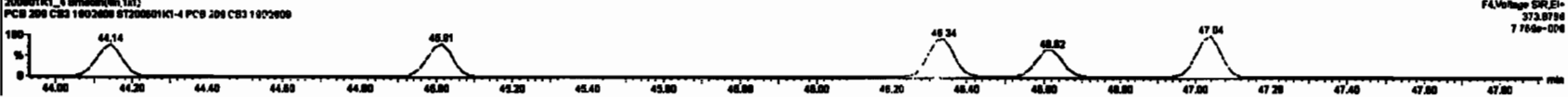
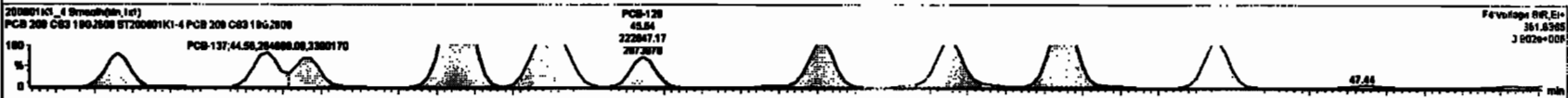
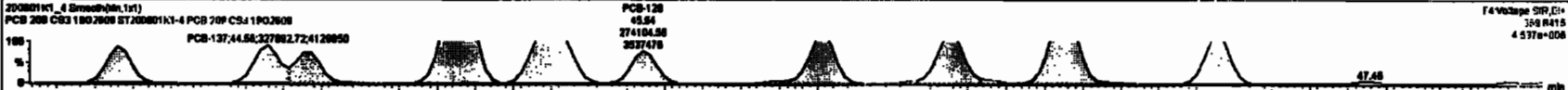


PFK4b



#	Sample	Range	RA	RD	SP	Vol	Peak RT	RT	Peak RT	RT	SP	Peak	Comp.	SP	DL	BMPC
226	224 Total Mono-PCBs		1.000	1.000	0.00	0.000			0.000		ND	188.1		0.0043	188.1	
226	224 Total Di-PCBs		1.000	1.000	0.00	0.000			0.000		ND	818.4		0.000	818.4	
226	224 Total Tri-PCBs		1.000	1.000	0.00	0.000			0.000		ND	412.6		0.0070	412.6	
227	227 Total Mono-PCBs		0.800	1.000	0.00	0.000			0.000		ND	818.1		0.371	818.1	
228	228 Total Mono-PCBs		1.0778	1.000	0.00	0.000			0.000		ND	2171		0.843	2171	
229	229 Total Mono-PCBs		1.2167	1.000	0.00	0.000			0.000		ND	2168		0.826	2168	
230	230 Total Mono-PCBs		1.0728	1.000	0.00	0.000			0.000		ND	281.1		0.182	281.1	
231	231 Total Mono-PCBs		0.8800	1.000	0.00	0.000			0.000		ND	887.0		0.188	887.0	
232	232 Total Mono-PCBs		1.0518	1.000	0.00	0.000			0.000		ND	1.200		1.200	1.200	
233	233 Total Mono-PCBs		1.2000	1.000	0.00	0.000			0.000		ND	1.200		1.200	1.200	
234	234 Total Mono-PCBs		1.2000	1.000	0.00	0.000			0.000		ND	448.1		0.322	448.1	
235	235 Total Mono-PCBs		1.1488	1.000	0.00	0.000			0.000		ND	184.1		0.281	184.1	

#	Sample	Peak RT	RT	SP	Vol	Peak	Comp.
1	111 PCB-126/43	43.28	43.28	6.80e6	4.80e6	1.240	1.24 ND 108.94 108.94
2	112 PCB-126/28	43.89	43.87	6.80e6	4.80e6	1.240	1.22 ND 108.33 108.33
3	113 PCB-142	43.74	43.74	2.20e6	2.10e6	1.240	1.24 ND 83.770 83.770
4	114 PCB-148/88	43.89	43.87	7.20e6	6.60e6	1.240	1.22 ND 103.87 103.87
5	115 PCB-152/81	43.22	43.21	7.20e6	6.60e6	1.240	1.24 ND 102.88 102.88
6	116 PCB-153	43.66	43.68	3.80e6	3.50e6	1.240	1.28 ND 82.913 82.913
7	117 PCB-168	43.82	43.81	3.81e6	3.51e6	1.240	1.24 ND 81.888 81.888
8	118 PCB-141	44.56	44.58	3.00e6	2.60e6	1.240	1.24 ND 81.688 81.688
9	119 PCB-137	44.88	44.88	3.27e6	2.94e6	1.240	1.24 ND 81.888 81.888

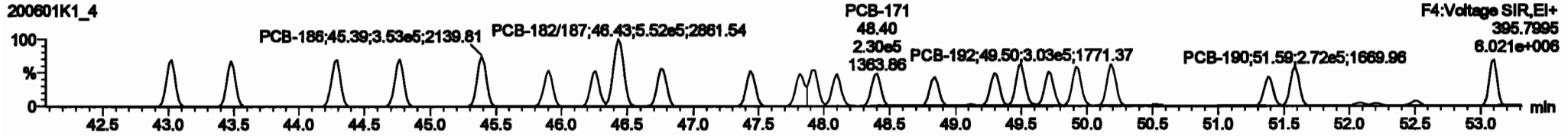
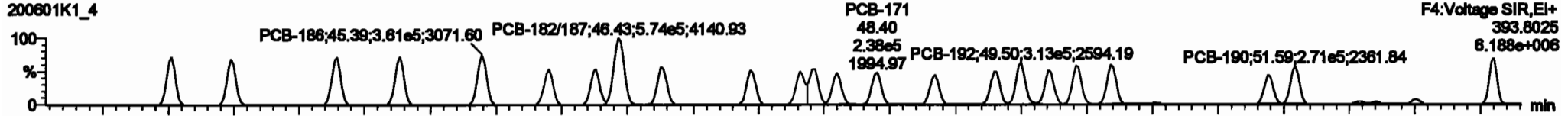


Dataset: Untitled

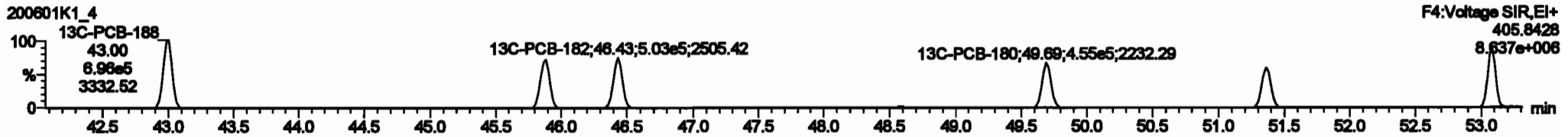
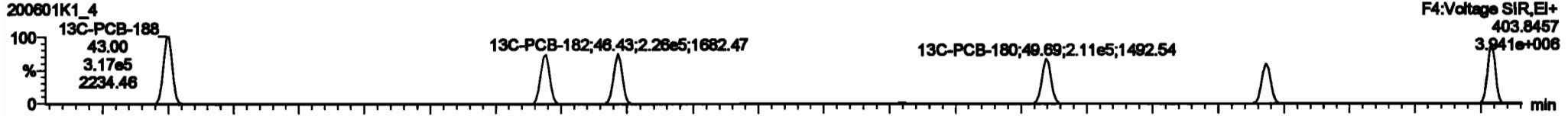
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_4, Date: 01-Jun-2020, Time: 15:19:46, ID: ST200601K1-4 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

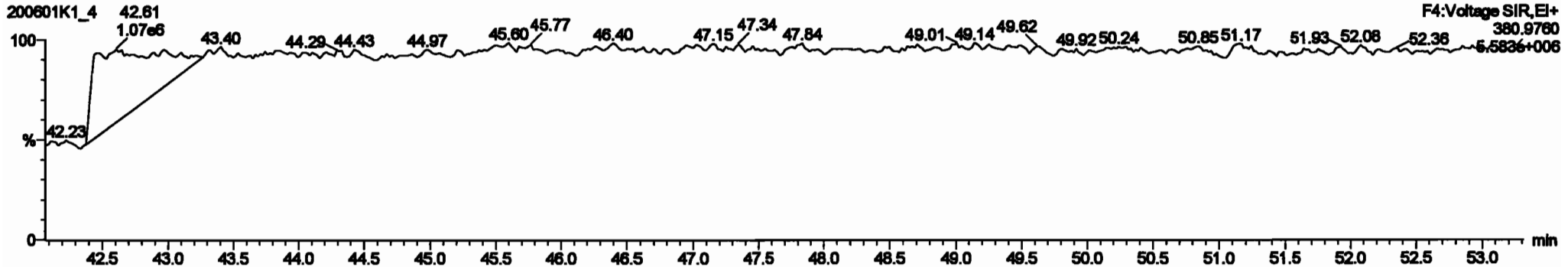
**PCB-188**



**13C-PCB-188**



**PFK4c**



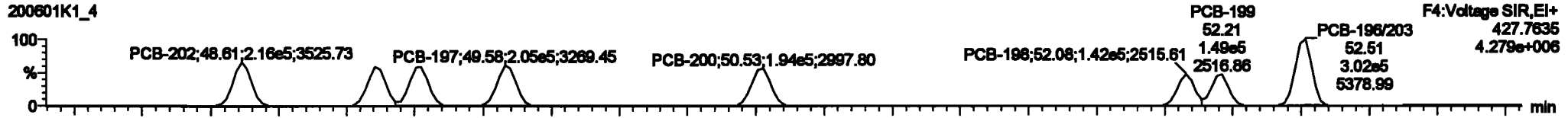
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

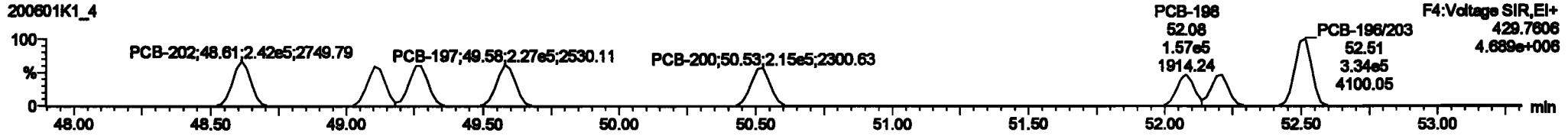
Name: 200601K1\_4, Date: 01-Jun-2020, Time: 15:19:46, ID: ST200601K1-4 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

PCB-202

200601K1\_4

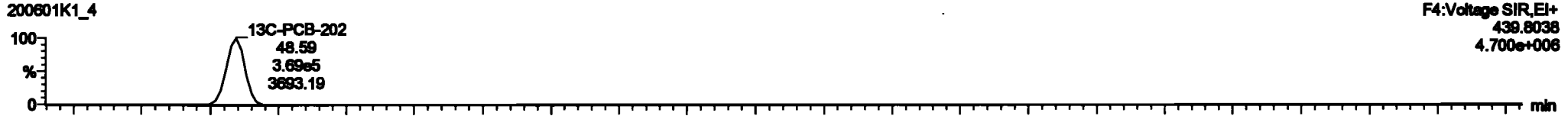


200601K1\_4

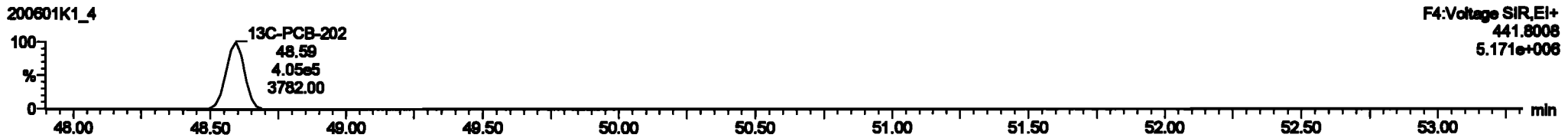


13C-PCB-202

200601K1\_4

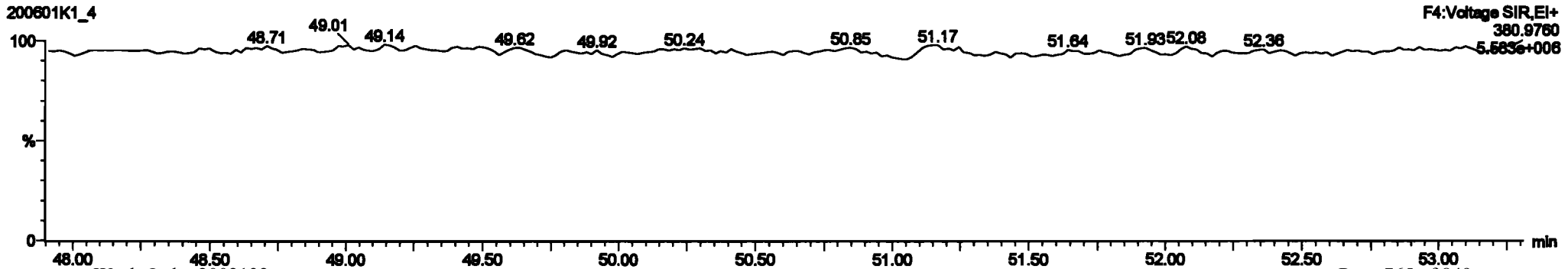


200601K1\_4



PFK4d

200601K1\_4



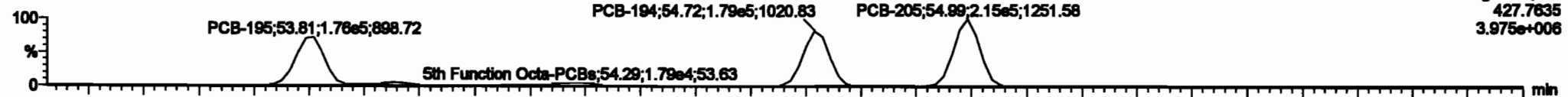
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

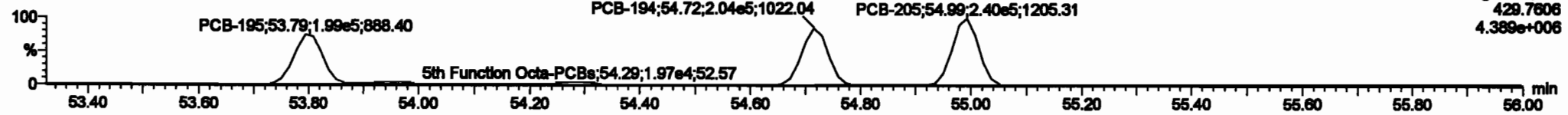
Name: 200601K1\_4, Date: 01-Jun-2020, Time: 15:19:46, ID: ST200601K1-4 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

**PCB-195**

200601K1\_4

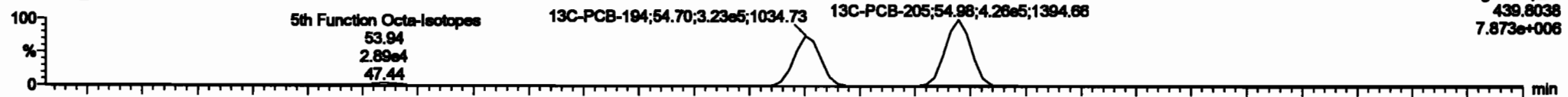


200601K1\_4

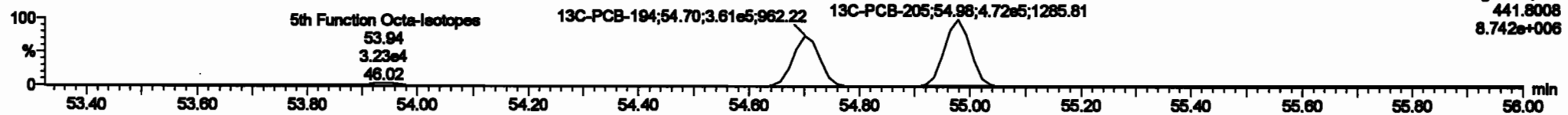


**13C-PCB-194**

200601K1\_4

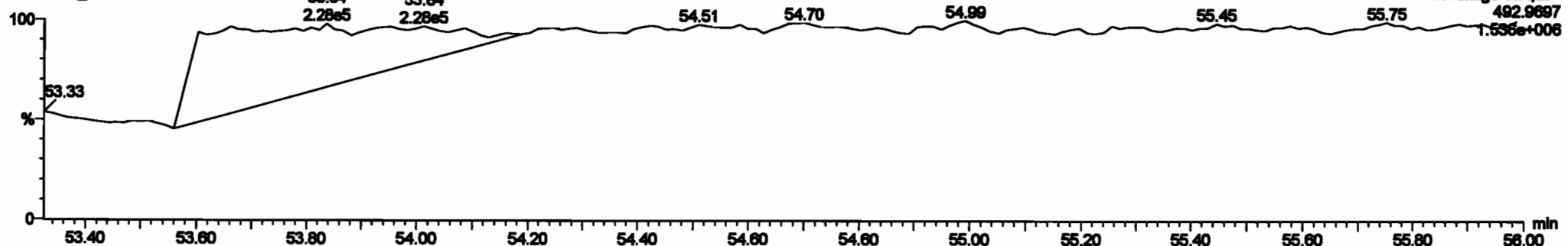


200601K1\_4



**PFK5a**

200601K1\_4



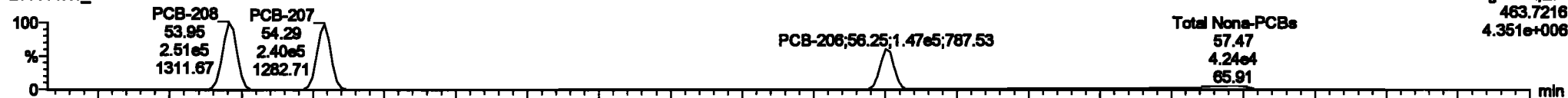
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

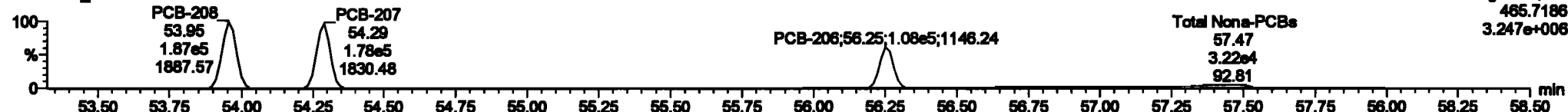
Name: 200601K1\_4, Date: 01-Jun-2020, Time: 15:19:46, ID: ST200601K1-4 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

**PCB-208**

200601K1\_4

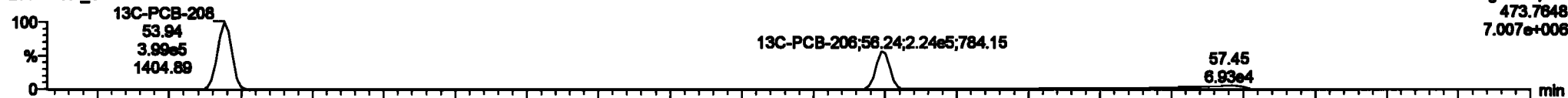


200601K1\_4

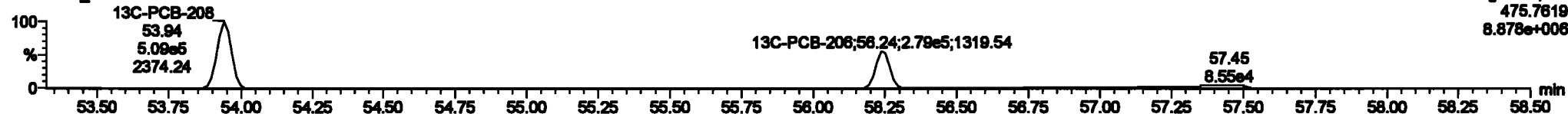


**13C-PCB-208**

200601K1\_4

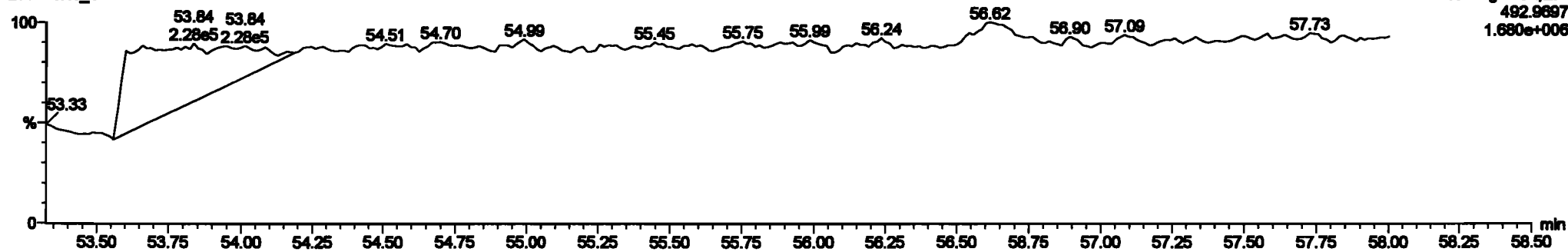


200601K1\_4



**PFK5**

200601K1\_4



Dataset: Untitled

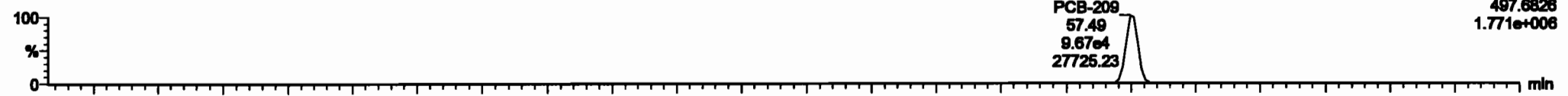
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

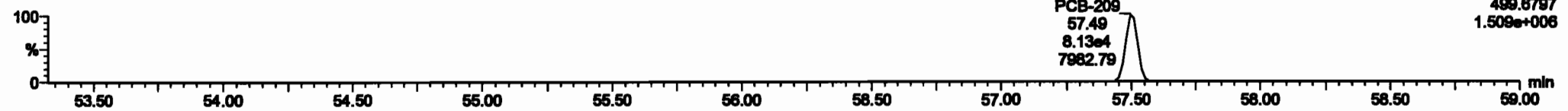
Name: 200601K1\_4, Date: 01-Jun-2020, Time: 15:19:46, ID: ST200601K1-4 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

**PCB-209**

200601K1\_4

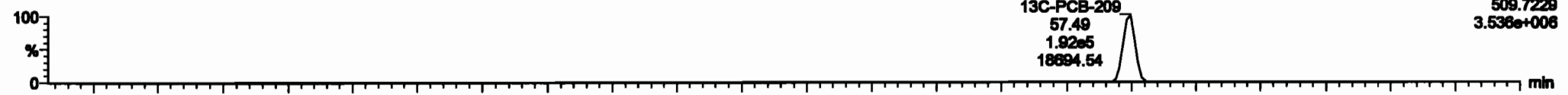


200601K1\_4

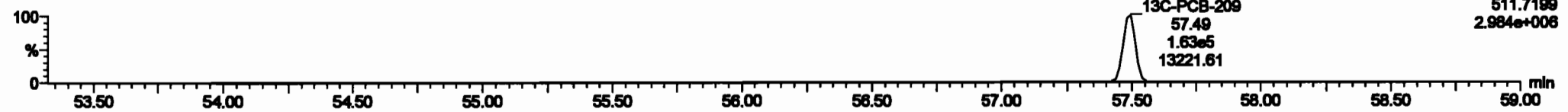


**13C-PCB-209**

200601K1\_4

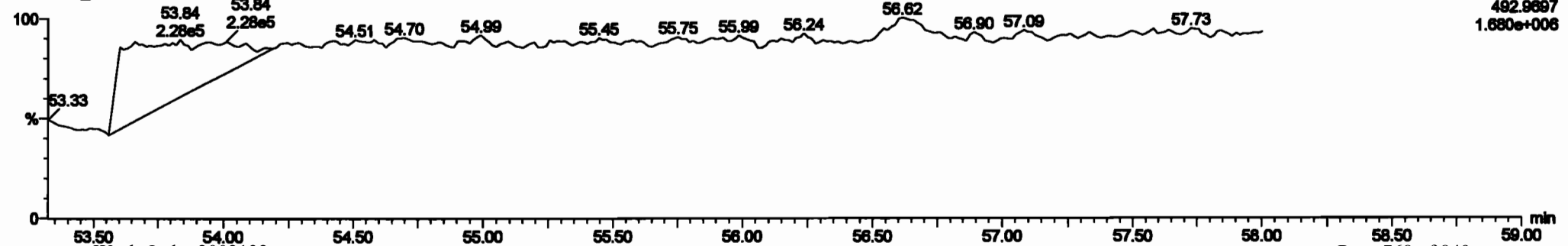


200601K1\_4



**PFK5b**

200601K1\_4





Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

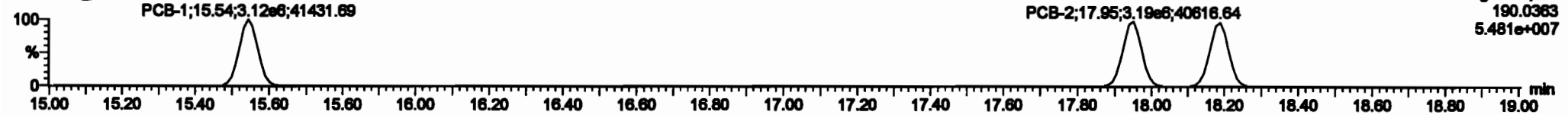
Name: 200601K1\_5, Date: 01-Jun-2020, Time: 16:20:32, ID: ST200601K1-5 PCB 209 CS4 19G2610, Description: PCB 209 CS4 19G2610

**PCB-1**

200601K1\_5



200601K1\_5

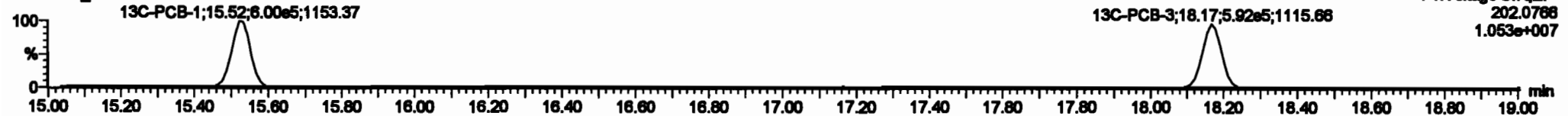


**13C-PCB-1**

200601K1\_5

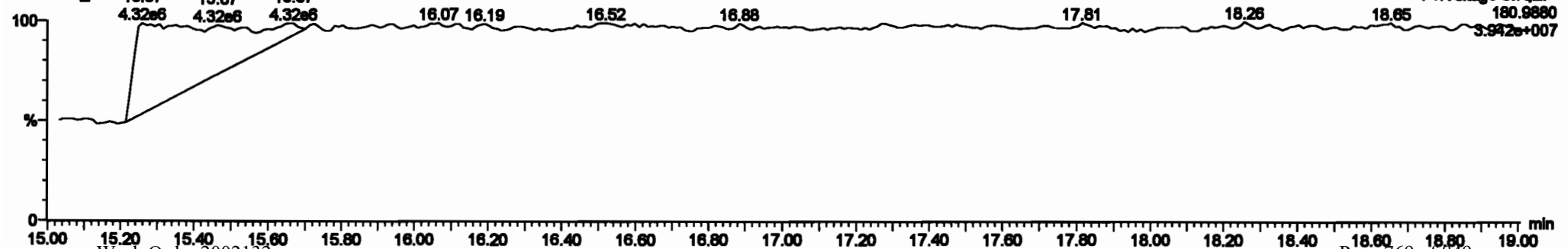


200601K1\_5



**PFK1**

200601K1\_5

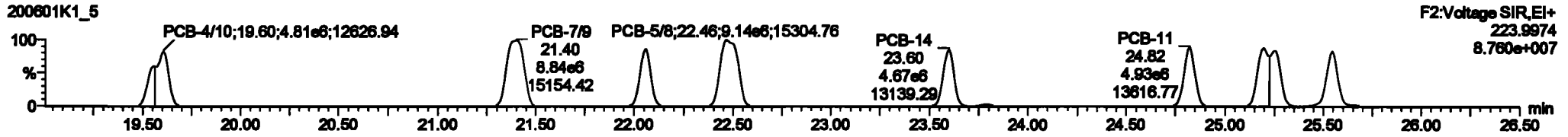
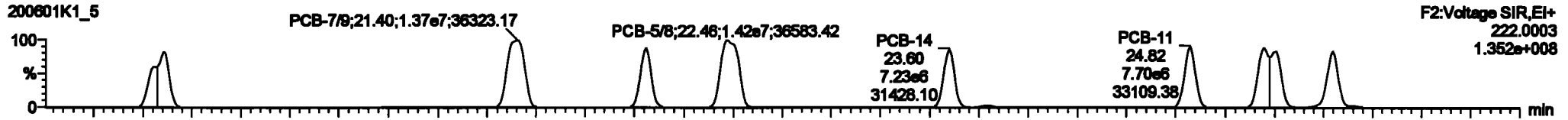


Dataset: Untitled

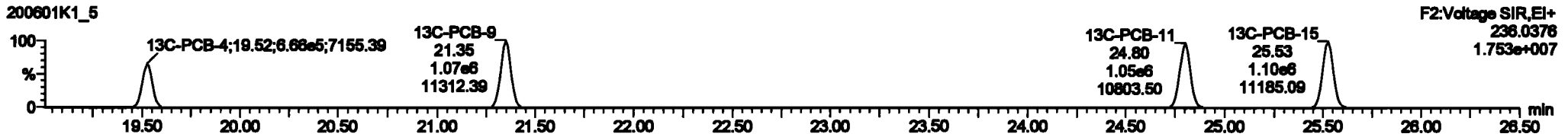
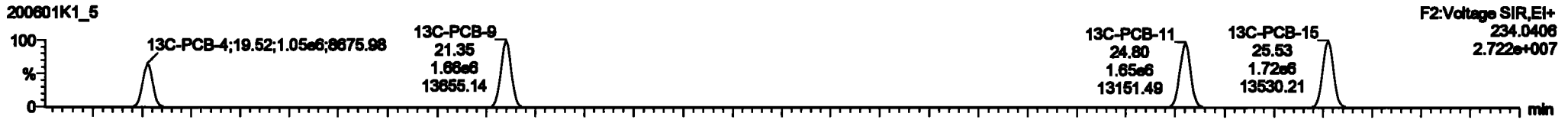
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_5, Date: 01-Jun-2020, Time: 18:20:32, ID: ST200601K1-5 PCB 209 CS4 19G2610, Description: PCB 209 CS4 19G2610

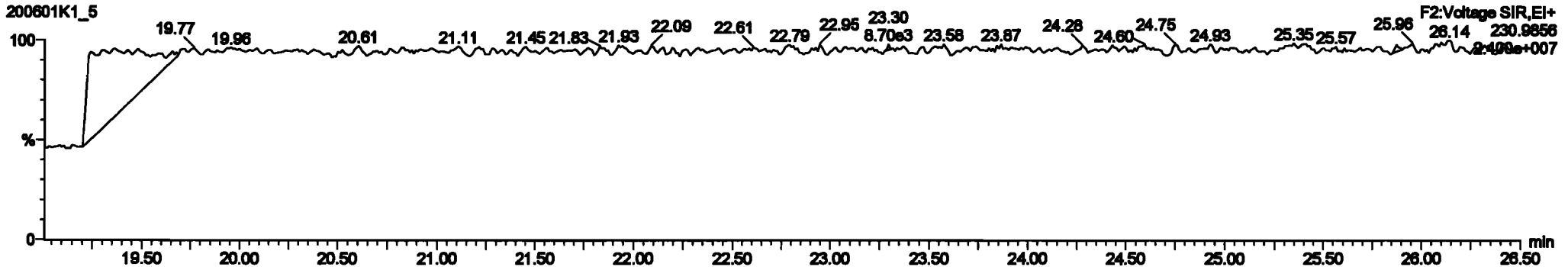
PCB-4/10



13C-PCB-4

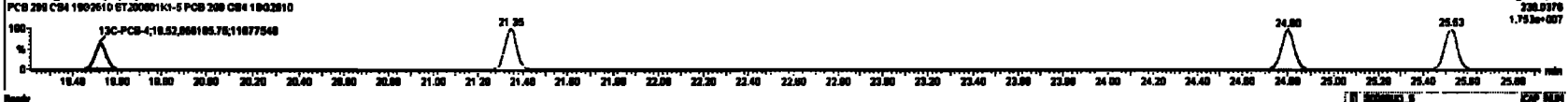
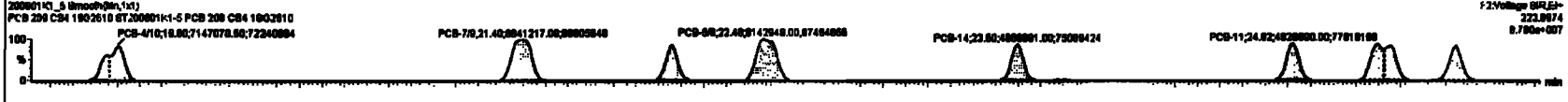
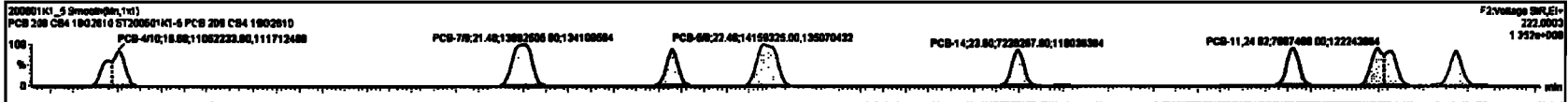


PFK2a



#	Name	Step	Qty	By	RFQ	Unit Cost	Page 001	RF	Page 001	RFQ	Unit Cost	QTY	Value	CL	RFQ
220	13C-PCB-78	1.0000	0.78	NO	1.0000	1.0000	27.70	0.0000	0.0000	NO	07.40	07.4	0.0073		
221	13C-PCB-178	7.0000	0.44	NO	1.0000	1.0000	45.80	0.0000	0.0000	NO	07.10	07.2	0.5112		
222	1st Function PCBs				1.0000	1.0000	0.00	0.0000	0.0000	NO	17.00		0.0000	17.00	
223	2nd Function PCBs				1.0000	1.0000	0.00	0.0000	0.0000	NO	3.00		0.0100	3.00	
224	3rd Function PCBs				0.0000	1.0000	0.00	0.0000	0.0000	NO	0774		0.0000	0774	
225	4th Function PCBs				1.0000	1.0000	0.00	0.0000	0.0000	NO	17.00		1.77	17.00	
226	5th Function PCBs				1.0000	1.0000	0.00	0.0000	0.0000	NO	17.00		0.0000	17.00	
227	6th Function PCBs				1.0000	1.0000	0.00	0.0000	0.0000	NO	21.20		0.3000	21.20	
228	7th Function PCBs				0.0000	1.0000	0.00	0.0000	0.0000	NO	0076		0.0000	0076	
229	8th Function PCBs				1.0000	1.0000	0.00	0.0000	0.0000	NO	121.00		2.07	121.00	
230	9th Function PCBs				1.0000	1.0000	0.00	0.0000	0.0000	NO	101.00		4.00	101.00	
231	10th Function PCBs				1.0000	1.0000	0.00	0.0000	0.0000	NO	101.00		4.00	101.00	
232	11th Function PCBs				1.0000	1.0000	0.00	0.0000	0.0000	NO	101.00		4.00	101.00	
233	12th Function PCBs				1.0000	1.0000	0.00	0.0000	0.0000	NO	101.00		4.00	101.00	

#	Name	Step	Qty	By	RFQ	Unit Cost	Page 001	RF	Page 001	RFQ	Unit Cost	QTY	Value	CL	RFQ
4	PCB-4A0	19.00	19.00	1.0000	7.5400	1.00	1.00	NO	048.00	048.00					
5	PCB-7A0	21.41	21.40	1.0000	0.0000	1.00	1.00	NO	000.00	000.00					
6	PCB-8	22.00	22.00	7.0000	4.0000	1.00	1.00	NO	438.40	438.40					
7	PCB-8A	22.00	22.00	1.0000	0.5400	1.00	1.00	NO	000.00	000.00					
8	PCB-4A	23.01	23.00	7.0000	4.0000	1.00	1.00	NO	438.10	438.10					
9	PCB-4A	24.00	24.00	7.0000	4.0000	1.00	1.00	NO	418.11	418.11					
10	PCB-12A0	26.20	26.20	1.0000	0.3000	1.00	1.00	NO	000.27	000.27					
11	PCB-16	26.07	26.00	7.0000	4.0000	1.00	1.00	NO	438.20	438.20					

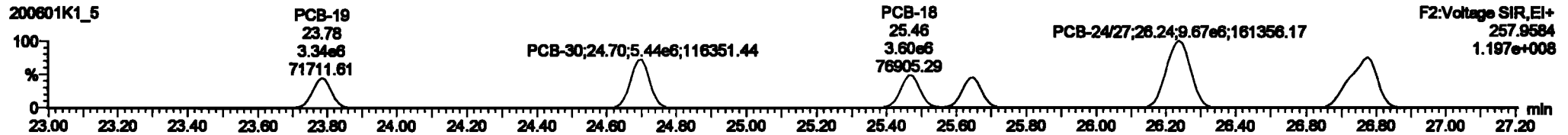


Dataset: Untitled

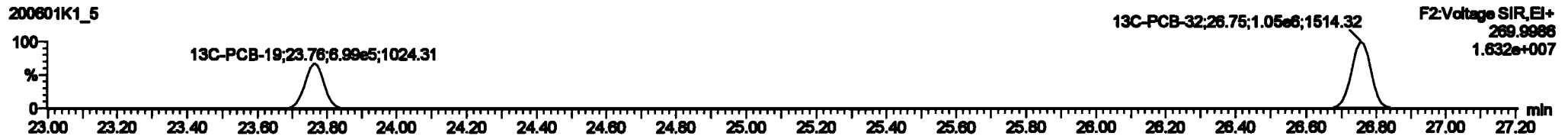
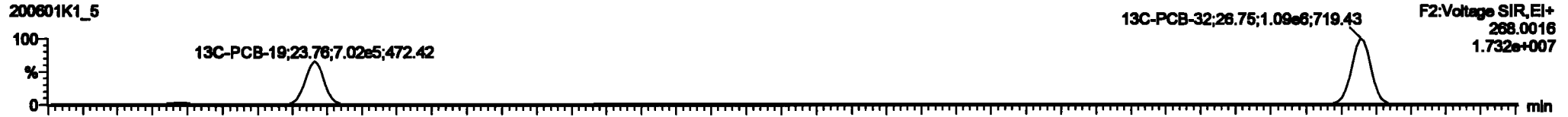
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_5, Date: 01-Jun-2020, Time: 16:20:32, ID: ST200601K1-5 PCB 209 CS4 19G2610, Description: PCB 209 CS4 19G2610

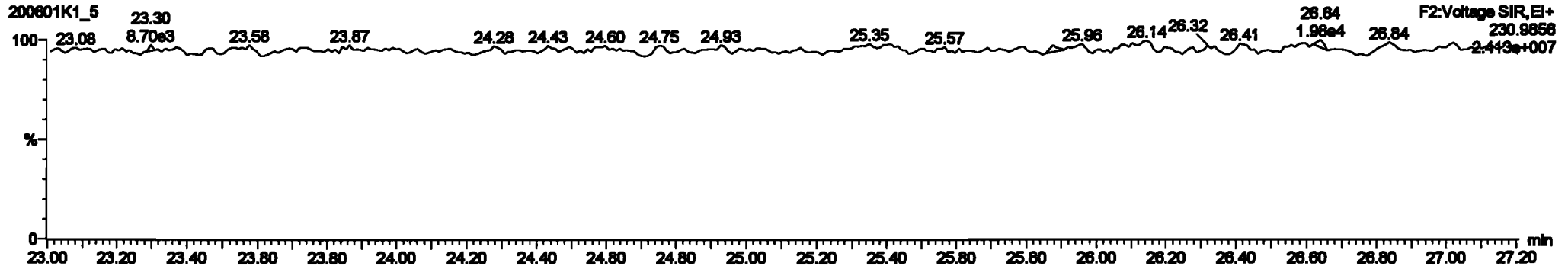
**PCB-19**



**13C-PCB-19**



**PFK2b**

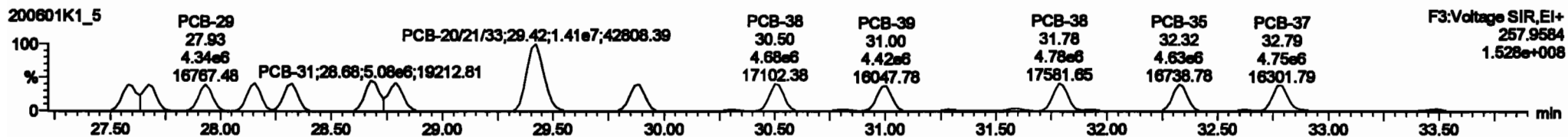
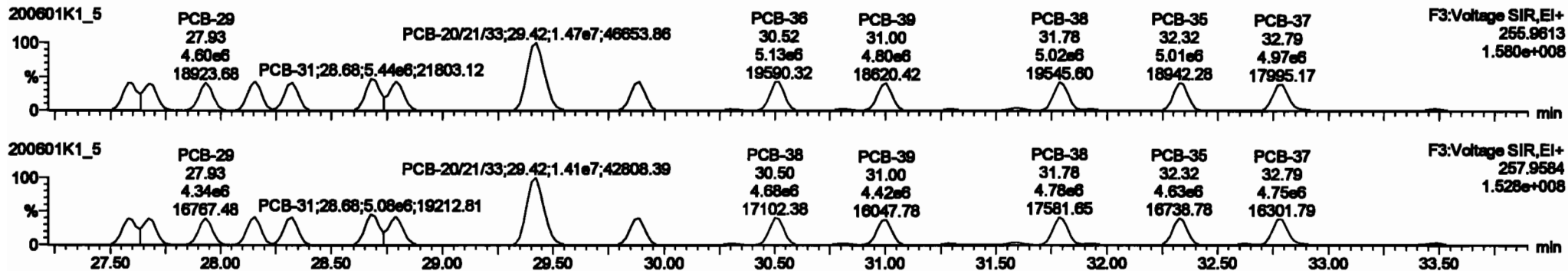


Dataset: Untitled

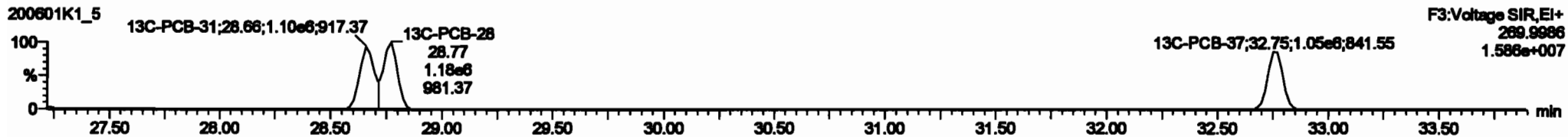
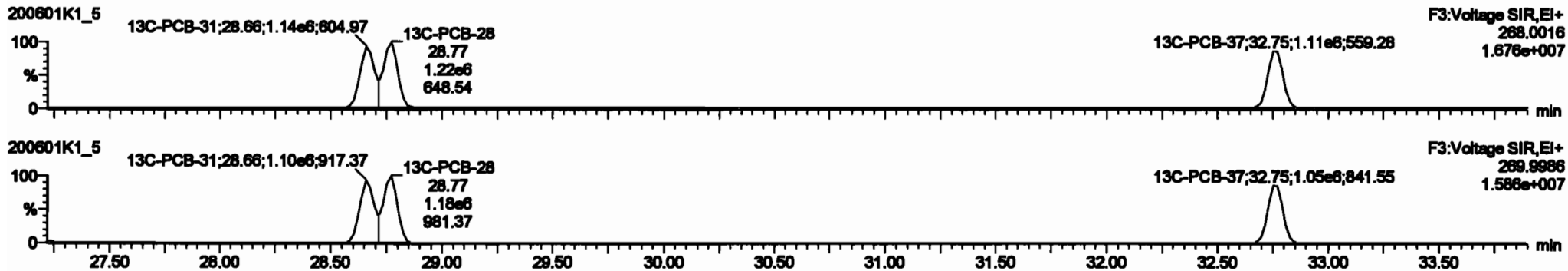
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_5, Date: 01-Jun-2020, Time: 16:20:32, ID: ST200601K1-5 PCB 209 CS4 19G2610, Description: PCB 209 CS4 19G2610

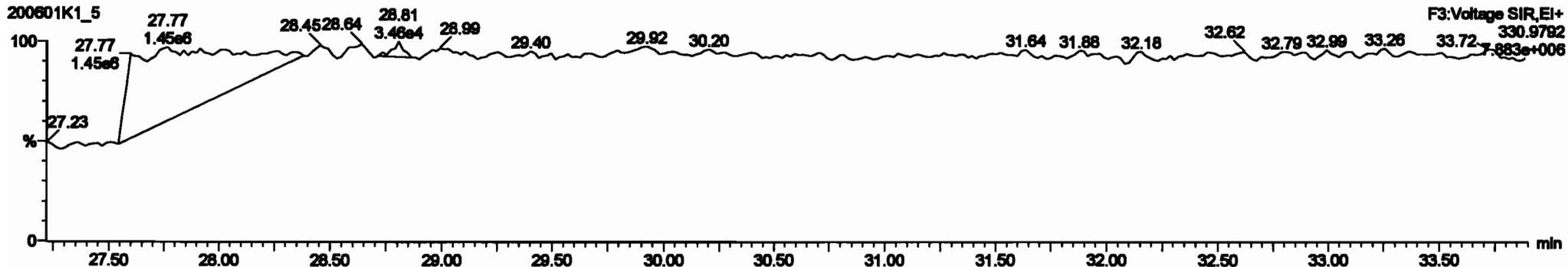
**PCB-34**



**13C-PCB-28**

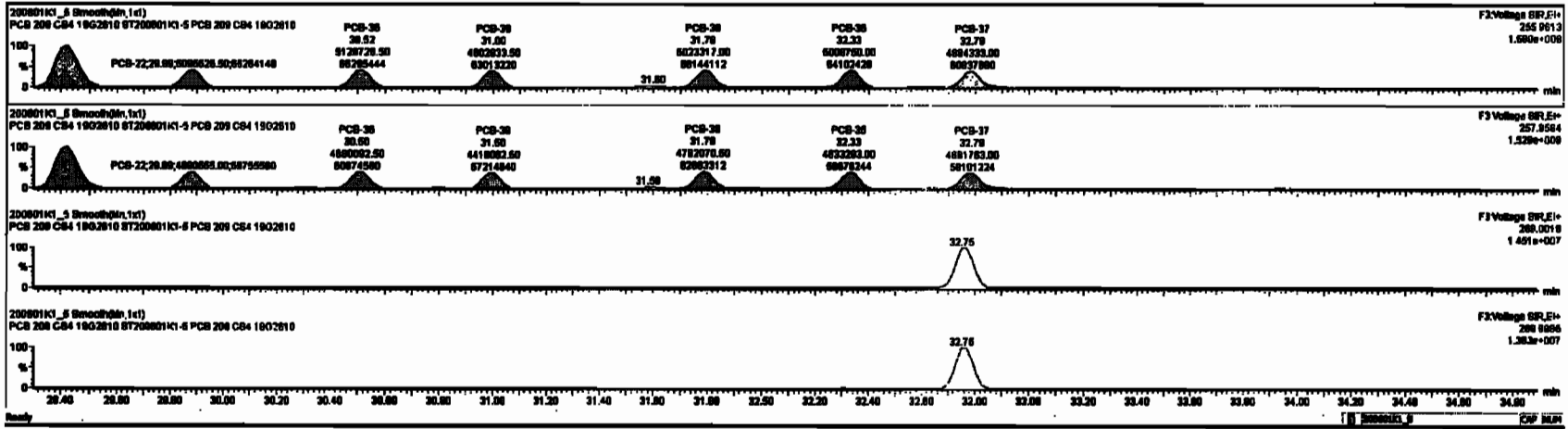


**PFK3d**



Peak	Name	Area	Height	W	Ret	Area%	Height%	W	Ret	Area%	Height%	W	Ret	Area%	Height%
220	13C-PCB-78	1.89e6	0.79	NO	1.0021	1.000	37.76	37.76	0.000	0.000	NO	07.42	07.4	0.0073	
226	13C-PCB-178	7.89e6	0.61	NO	1.0000	1.000	48.87	48.88	0.000	0.000	NO	07.18	07.2	0.112	
224	Total Mono-PCBs				1.1095	1.000	0.00	0.000			NO	1280		0.0081	1280
226	Total Di-PCBs				1.0027	1.000	0.00	0.000			NO	6120		0.346	6120
228	Total Tri-PCBs				1.0007	1.000	0.00	0.000			NO	3407		0.110	3407
226	Total Tetra-PCBs				1.0770	1.000	0.00	0.000			NO	17600		1.27	17600
226	2nd-Paraffin-PCBs				1.0167	1.000	0.00	0.000			NO	17480		0.004	17480
226	4th-Paraffin-PCBs				1.0726	1.000	0.00	0.000			NO	2128		0.200	2128
226	2nd-Paraffin-Homo-PCBs				0.0000	1.000	0.00	0.000			NO	5874		0.400	5874
222	4th-Paraffin-Homo-PCBs				1.0916	1.000	0.00	0.000			NO	12140		2.87	12140
220	Total Mono-ATPs				1.0000	1.000	0.00	0.000			NO	10180		4.00	10180

Peak	Name	Area	Height	W	Ret	Area%	Height%	W	Ret	Area%	Height%
28	PCB-28	27.87	27.87	4.00e6	4.287e6	1.000	1.00	NO	417.53	417.53	
19	PCB-19	27.87	27.87	4.00e6	4.287e6	1.000	1.00	NO	416.77	416.77	
20	PCB-20	27.87	27.87	4.00e6	4.287e6	1.000	1.00	NO	417.61	417.61	
21	PCB-21	28.10	28.10	4.00e6	4.287e6	1.000	1.00	NO	423.78	423.78	
22	PCB-22	28.31	28.32	4.79e6	4.819e6	1.000	1.04	NO	412.77	412.77	
23	PCB-23	28.80	28.80	5.491e6	5.079e6	1.000	1.00	NO	420.07	420.07	
24	PCB-24	28.78	28.78	5.390e6	5.089e6	1.000	1.00	NO	420.00	420.00	
26	PCB-20(21)20	28.42	28.42	1.472e7	1.487e7	1.000	1.00	NO	1276.0	1276.0	
28	PCB-28	28.87	28.88	6.080e6	4.801e6	1.000	1.00	NO	418.26	418.26	

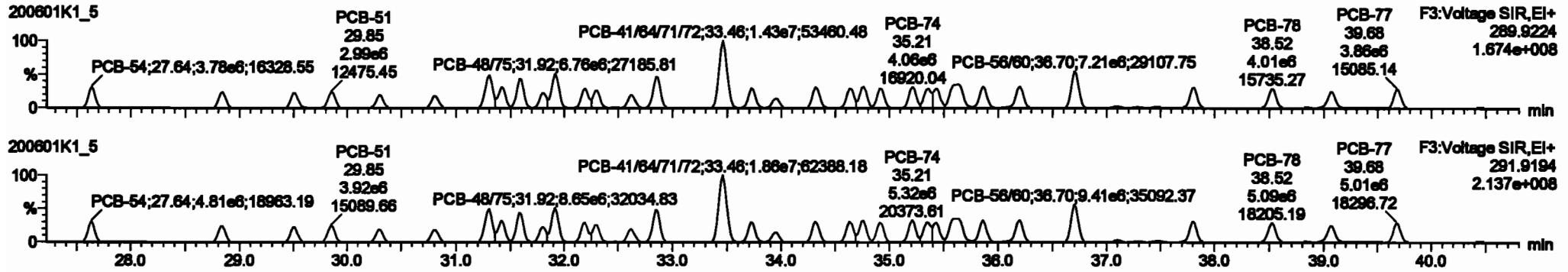


Dataset: Untitled

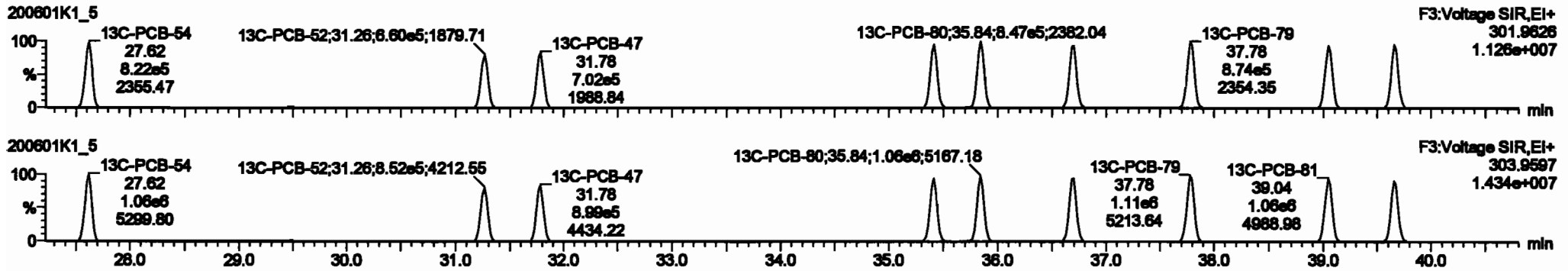
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_5, Date: 01-Jun-2020, Time: 16:20:32, ID: ST200601K1-5 PCB 209 CS4 19G2610, Description: PCB 209 CS4 19G2610

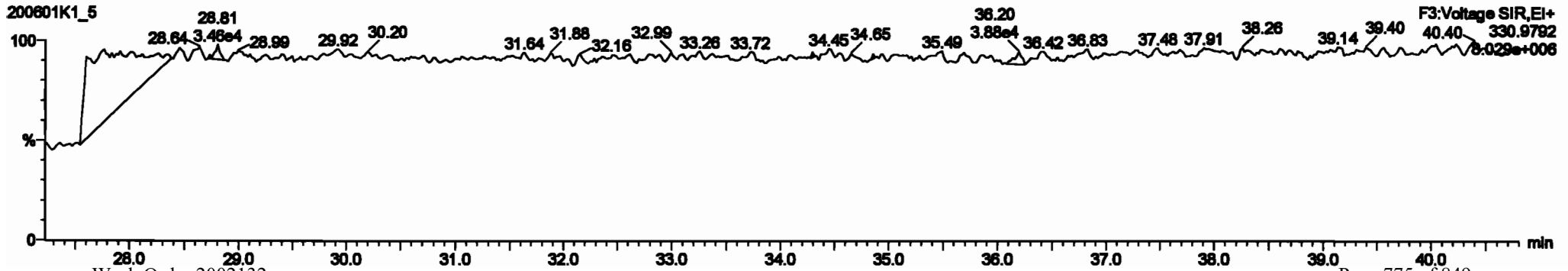
**PCB-54**



**13C-PCB-54**



**PFK3a**



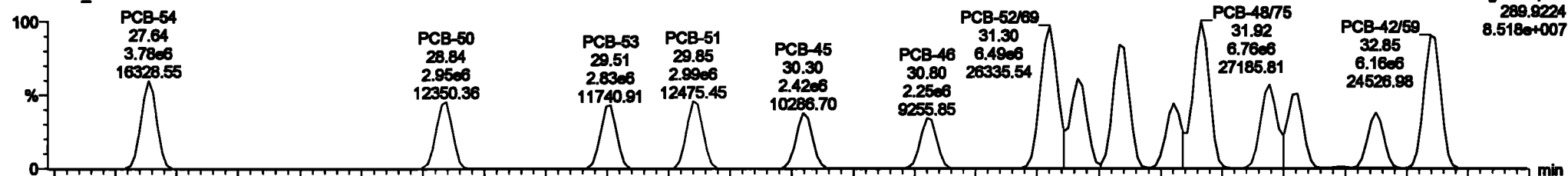
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

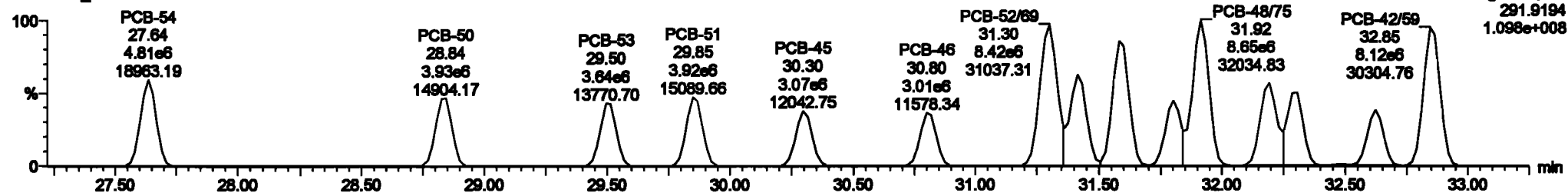
Name: 200601K1\_5, Date: 01-Jun-2020, Time: 16:20:32, ID: ST200601K1-5 PCB 209 CS4 19G2610, Description: PCB 209 CS4 19G2610

**PCB-50**

200601K1\_5



200601K1\_5



**13C-PCB-52**

200601K1\_5



200601K1\_5



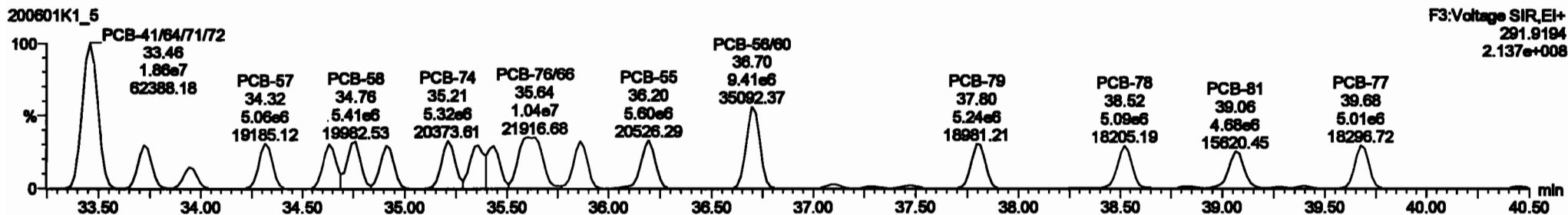
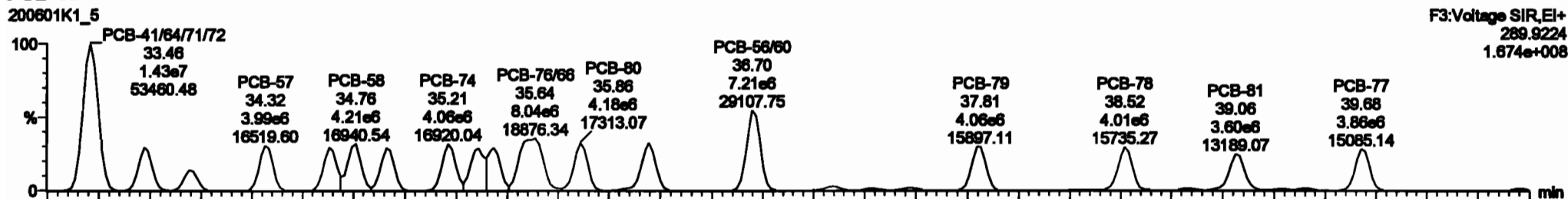


Dataset: Untitled

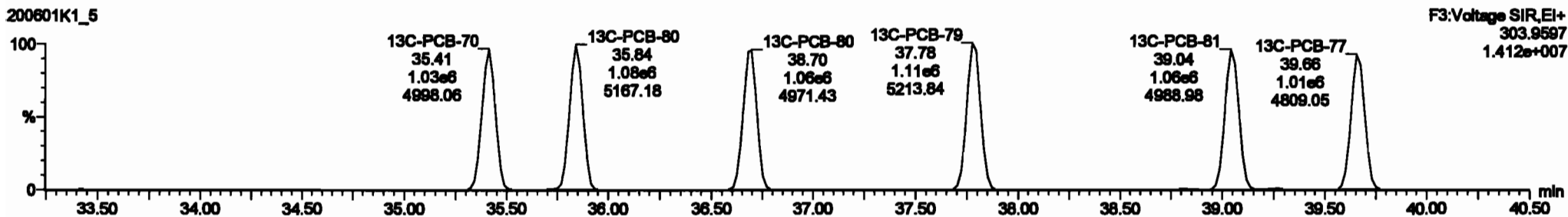
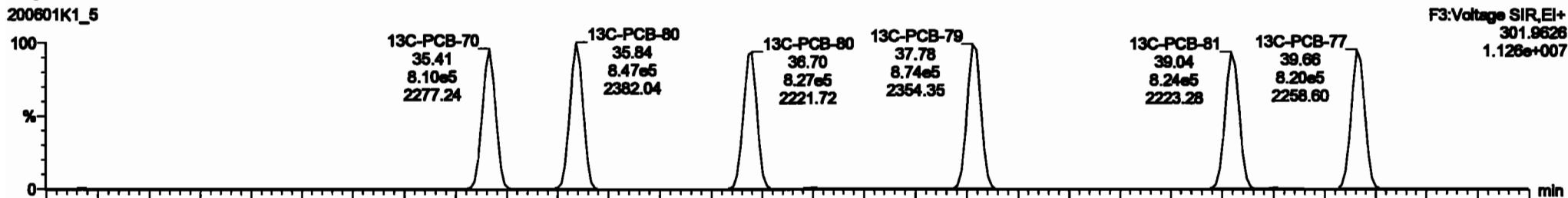
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_5, Date: 01-Jun-2020, Time: 16:20:32, ID: ST200601K1-5 PCB 209 CS4 19G2610, Description: PCB 209 CS4 19G2610

PCB-68

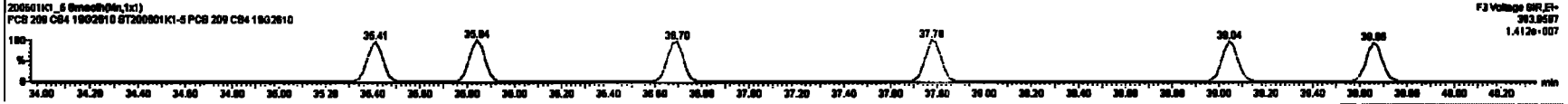
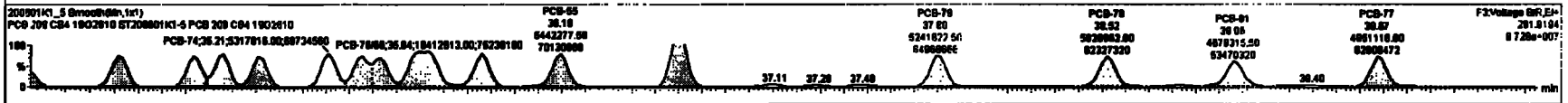
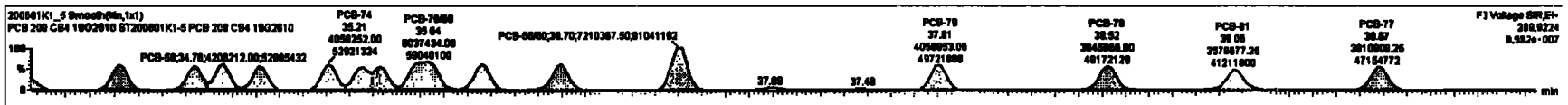


13C-PCB-60



#	Name	Range	Min	Max	PPM	Min%	Max%	PPM	Min%	Max%	PPM	Min%	Max%	PPM	Min%	Max%	PPM	Min%	Max%
222	13C-PCB-78	1.98e6	0.78	ND	1.0221	1.020	37.78	37.78	0.000	0.000	ND	87.42	87.4	0.0273					
223	13C-PCB-178	7.85e6	0.44	ND	1.0000	1.000	46.87	46.88	0.020	0.020	ND	87.18	87.2	0.112					
224	Total Mono-PCBs				1.0885	1.000	0.00	0.000	0.000	0.000	ND	1280		0.0381	1280				
225	Total BI-PCBs				1.0837	1.000	0.00	0.000	0.000	0.000	ND	9120		0.248	9120				
226	2nd Function BI-PCBs				1.0837	1.000	0.00	0.000	0.000	0.000	ND	3487		0.110	3487				
227	2nd Function BI-PCBs				0.8828	1.000	0.00	0.000	0.000	0.000	ND	8774		0.882	8774				
228	2nd Function Mono-PCBs				1.0778	1.000	0.00	0.000	0.000	0.000	ND	17480		1.27	17480				
229	2nd Function Penta-PCBs				1.3187	1.000	0.00	0.000	0.000	0.000	ND	17480		0.004	17480				
230	4th Function Penta-PCBs				1.0736	1.000	0.00	0.000	0.000	0.000	ND	2128		0.280	2128				
231	2nd Function Hexa-PCBs				0.8828	1.000	0.00	0.000	0.000	0.000	ND	8876		0.403	8876				
232	4th Function Hexa-PCBs				1.0318	1.000	0.00	0.000	0.000	0.000	ND	12140		2.87	12140				
233	Total Hexa-PCBs				1.3071	1.000	0.00	0.000	0.000	0.000	ND	10700		4.84	10700				

#	Name	PeakID	RT	Ref Range	MS Range	Y* Ratio (Peak)	BA	MS	SNPC	Comp.
1	PCB-84	27.84	27.84	3.78e6	4.812e6	0.770	0.78	ND	422.48	422.48
2	PCB-84	28.80	28.84	2.88e6	3.887e6	0.770	0.78	ND	418.31	418.30
3	PCB-84	28.80	28.81	2.88e6	3.887e6	0.770	0.78	ND	428.24	428.24
4	PCB-84	28.80	28.85	2.88e6	3.887e6	0.770	0.78	ND	428.80	428.80
5	PCB-84	30.30	30.30	2.818e6	3.87e6	0.770	0.78	ND	432.10	432.10
6	PCB-84	30.30	30.30	2.818e6	3.87e6	0.770	0.78	ND	418.07	418.07
7	PCB-84	31.30	31.30	8.48e6	8.41e6	0.770	0.77	ND	846.12	846.12
8	PCB-78	31.41	31.41	4.052e6	5.30e6	0.770	0.77	ND	431.83	431.83
9	PCB-4388	31.58	31.58	5.87e6	7.22e6	0.770	0.77	ND	638.18	638.18

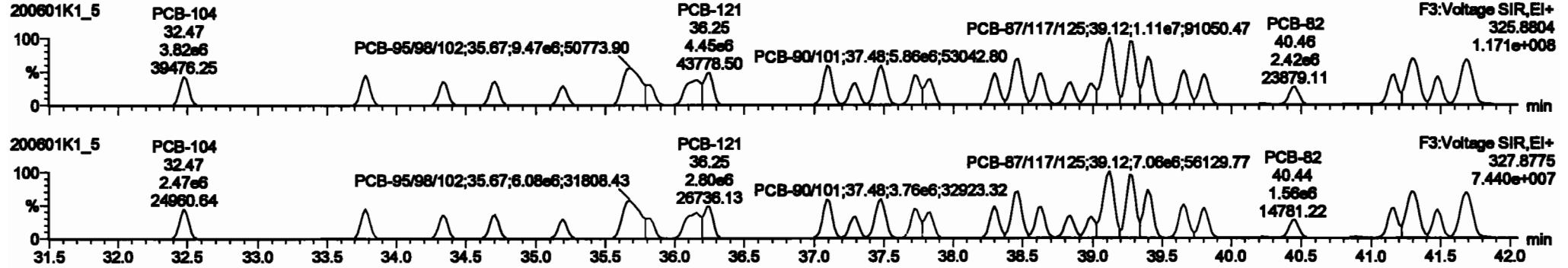


Dataset: Untitled

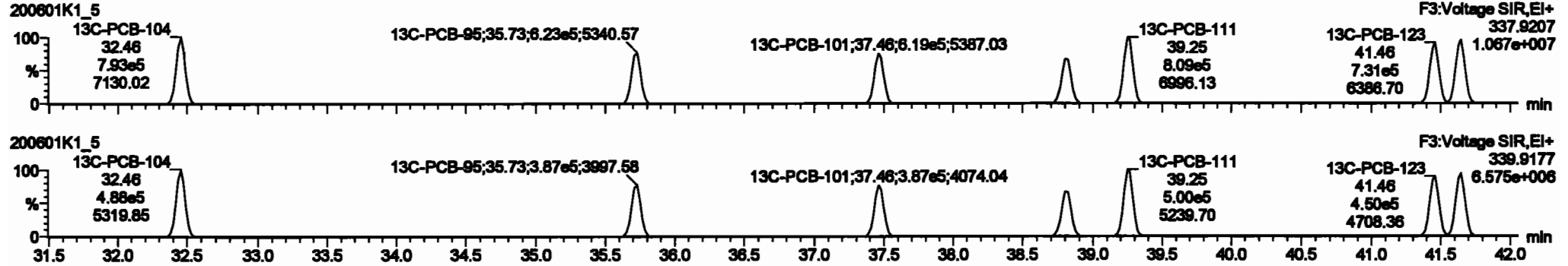
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_5, Date: 01-Jun-2020, Time: 16:20:32, ID: ST200601K1-5 PCB 209 CS4 19G2610, Description: PCB 209 CS4 19G2610

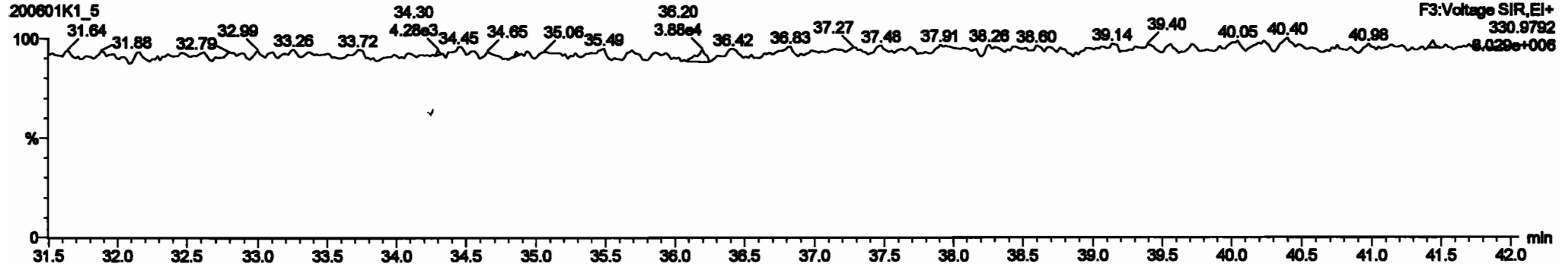
**PCB-104**



**13C-PCB-104**



**PFK3b**

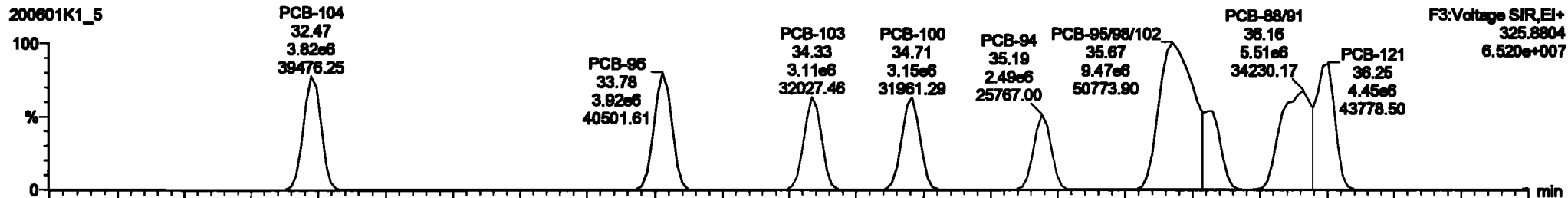


Dataset: Untitled

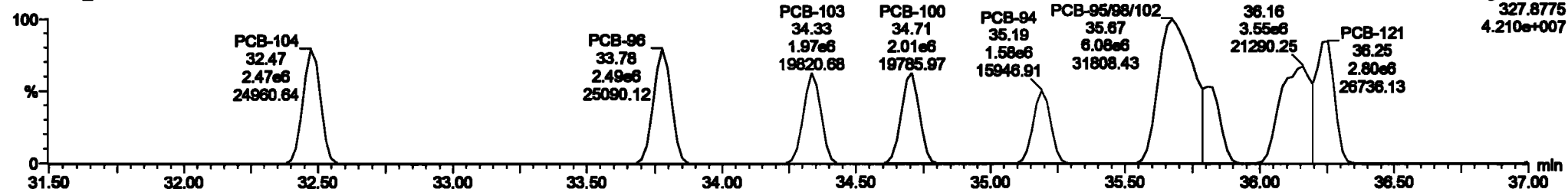
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_5, Date: 01-Jun-2020, Time: 16:20:32, ID: ST200601K1-5 PCB 209 CS4 19G2610, Description: PCB 209 CS4 19G2610

**PCB-96**



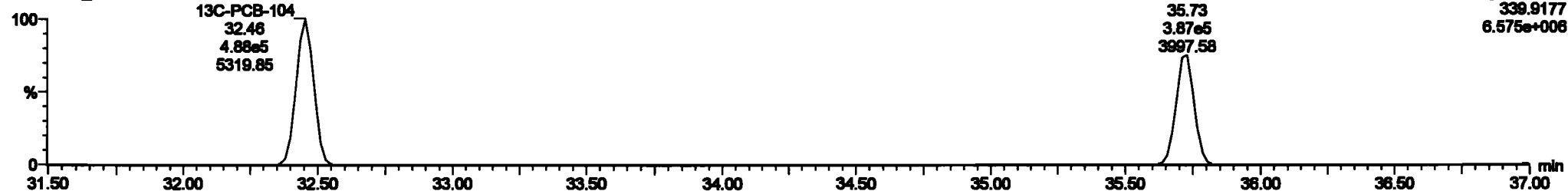
200601K1\_5



**13C-PCB-95**



200601K1\_5



Dataset: Untitled

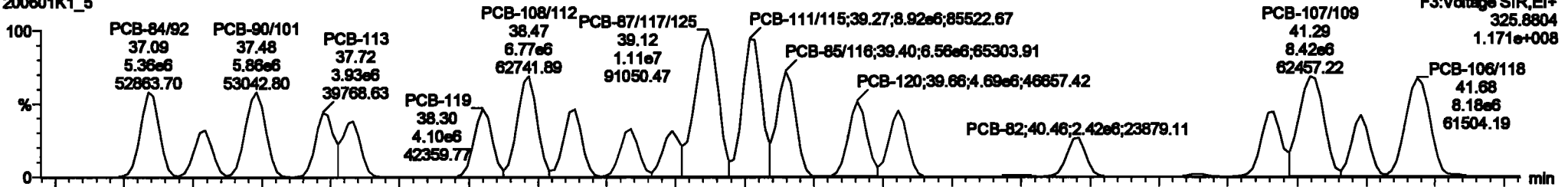
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

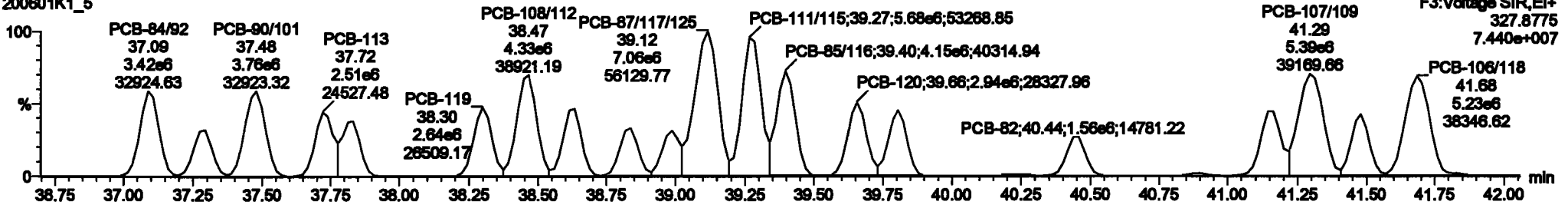
Name: 200601K1\_5, Date: 01-Jun-2020, Time: 16:20:32, ID: ST200601K1-5 PCB 209 CS4 19G2610, Description: PCB 209 CS4 19G2610

PCB-119

200601K1\_5

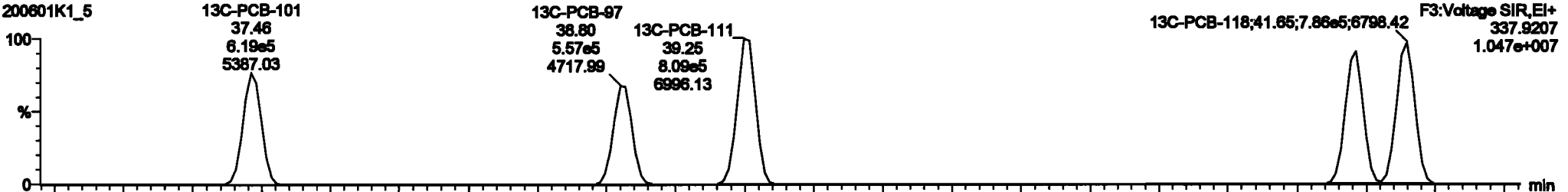


200601K1\_5

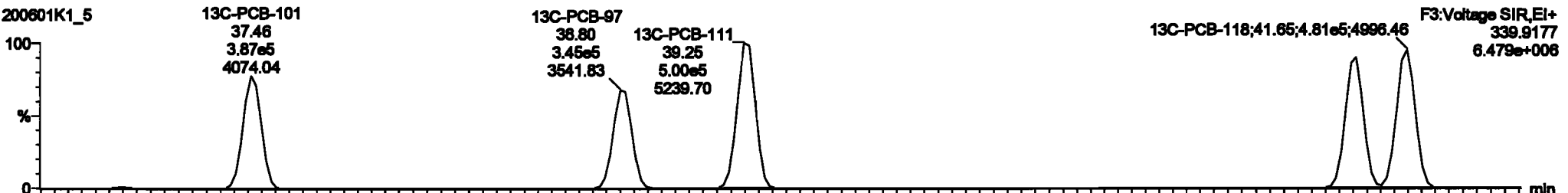


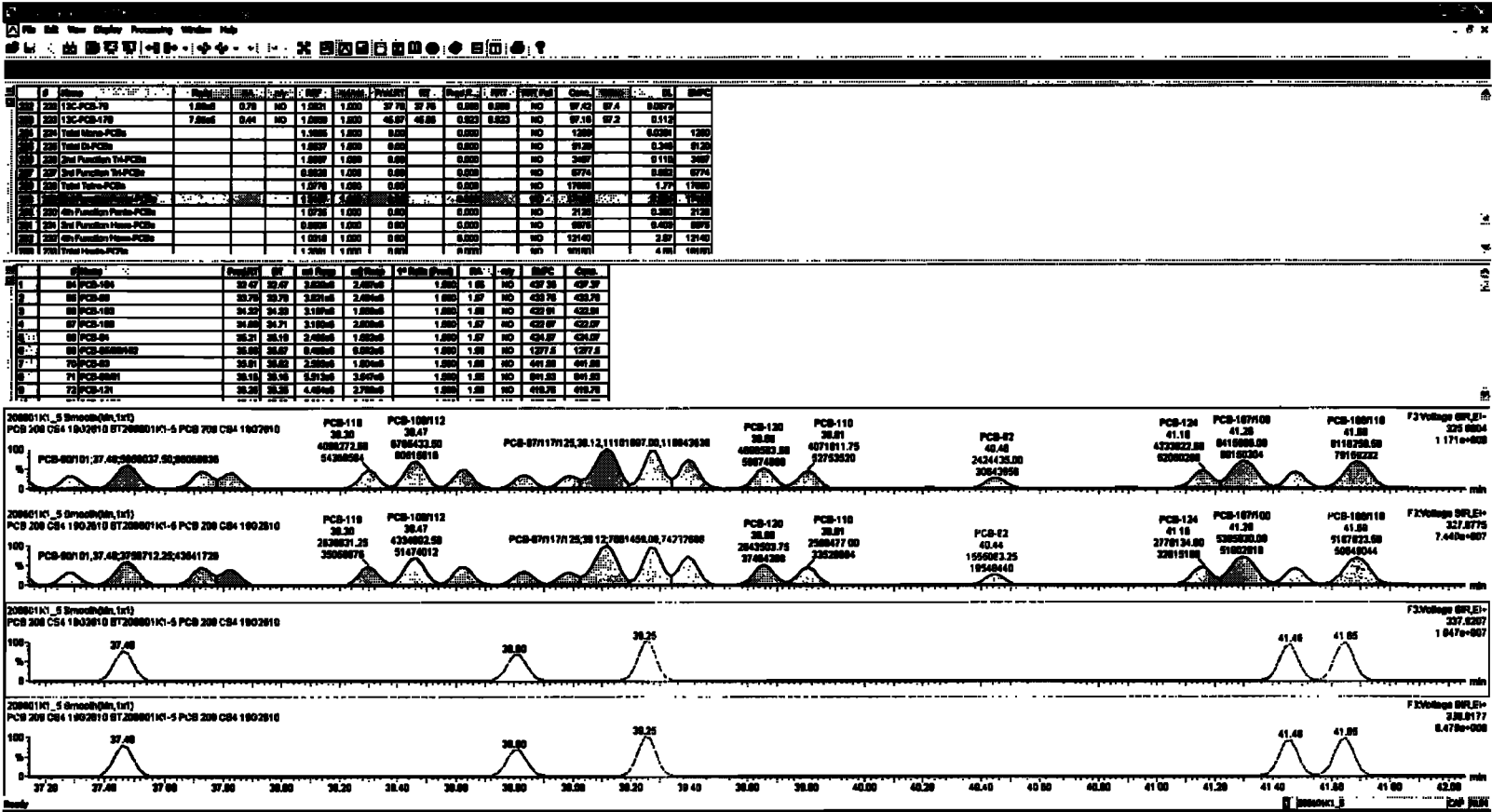
13C-PCB-111

200601K1\_5



200601K1\_5



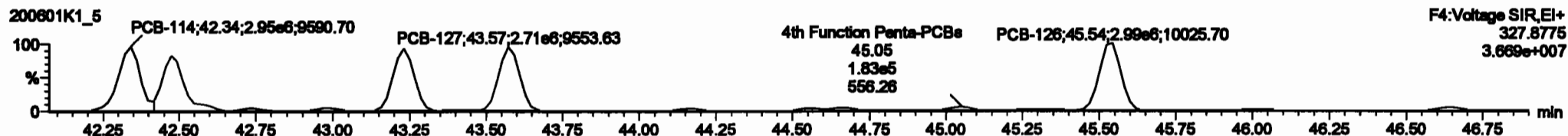
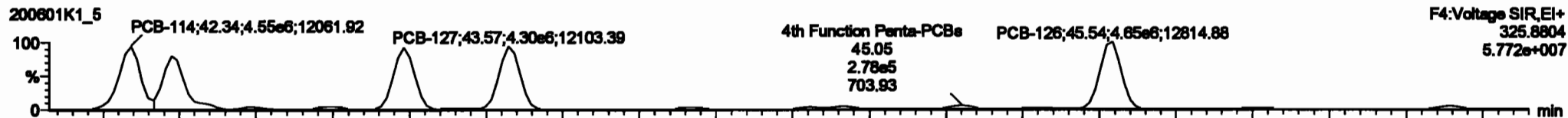


Dataset: Untitled

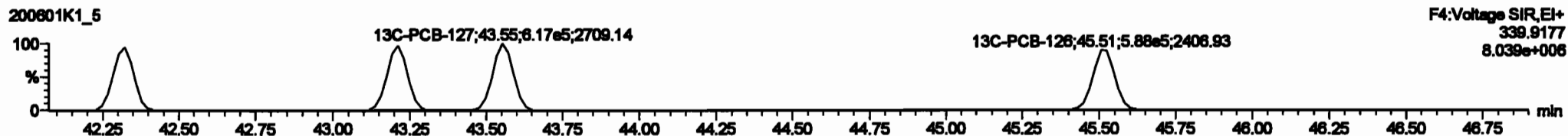
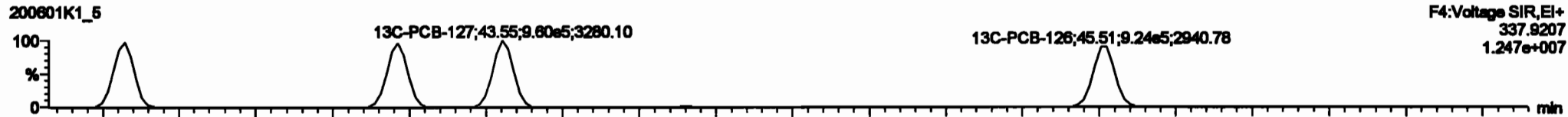
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_5, Date: 01-Jun-2020, Time: 16:20:32, ID: ST200601K1-5 PCB 209 CS4 19G2610, Description: PCB 209 CS4 19G2610

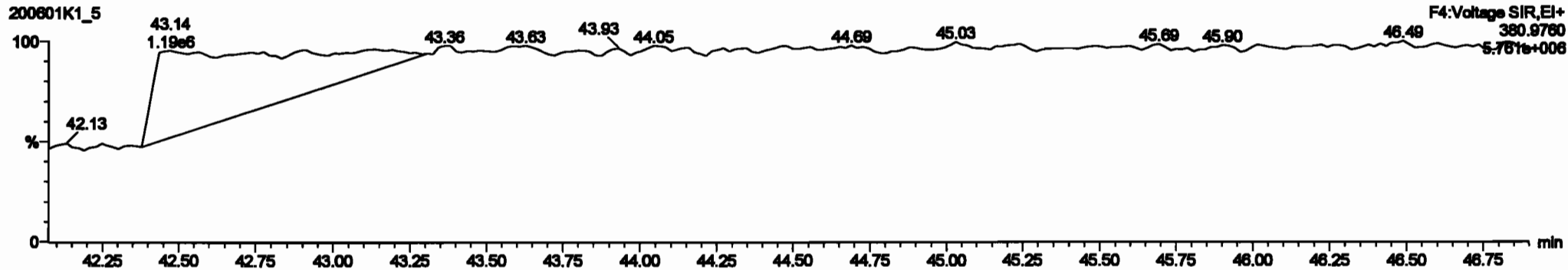
**PCB-114**



**13C-PCB-114**

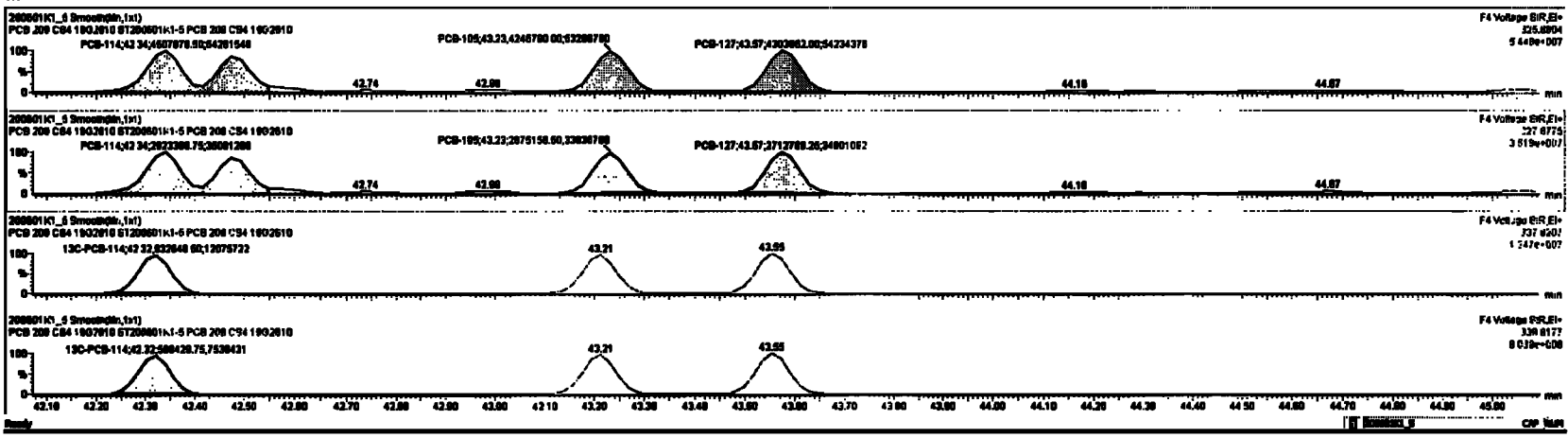


**PFK4a**



#	Comp	Range	RA	Q1	Q3	Min	Max	Width	Height	Area	Cent	Skew	Area	Skew	Area	Skew	Area	Skew	Area	Skew
220	13C-PCB-76	1.80e5	0.78	NO	1.80e5	1.80e5	37.70	37.70	0.000	0.000	NO	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
220	13C-PCB-170	7.80e5	0.84	NO	1.80e5	1.80e5	46.07	46.08	0.000	0.000	NO	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
220	2nd Para-PCBs				1.80e5	1.80e5	0.00	0.00	0.000	0.000	NO	1.260	0.000	1.260	0.000	0.000	0.000	0.000	0.000	0.000
220	2nd Para-PCBs				1.80e5	1.80e5	0.00	0.00	0.000	0.000	NO	0.240	0.000	0.240	0.000	0.000	0.000	0.000	0.000	0.000
220	2nd Para-PCBs				1.80e5	1.80e5	0.00	0.00	0.000	0.000	NO	3.407	0.110	3.407	0.110	1.760	0.000	1.760	0.000	1.760
220	2nd Para-PCBs				0.80e5	1.80e5	0.00	0.00	0.000	0.000	NO	0.774	0.000	0.774	0.000	0.000	0.000	0.000	0.000	0.000
220	2nd Para-PCBs				1.80e5	1.80e5	0.00	0.00	0.000	0.000	NO	1.760	1.77	1.760	1.77	1.760	0.000	1.760	0.000	1.760
220	2nd Para-PCBs				1.31e5	1.80e5	0.00	0.00	0.000	0.000	NO	1.760	0.000	1.760	0.000	1.760	0.000	1.760	0.000	1.760
220	2nd Para-PCBs				1.80e5	1.80e5	0.00	0.00	0.000	0.000	NO	3.210	0.000	3.210	0.000	3.210	0.000	3.210	0.000	3.210
220	2nd Para-PCBs				0.80e5	1.80e5	0.00	0.00	0.000	0.000	NO	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
220	2nd Para-PCBs				1.80e5	1.80e5	0.00	0.00	0.000	0.000	NO	1.210	2.07	1.210	2.07	1.210	0.000	1.210	0.000	1.210
220	2nd Para-PCBs				1.80e5	1.80e5	0.00	0.00	0.000	0.000	NO	1.000	4.04	1.000	4.04	1.000	0.000	1.000	0.000	1.000

#	Comp	Range	RA	Q1	Q3	Min	Max	Width	Height	Area	Cent	Skew	Area	Skew	Area	Skew	Area	Skew	
1	PCB-114	42.34	42.34	4.80e4	2.80e4	1.800	1.54	NO	420.12	420.12									
2	PCB-122	42.60	42.67	3.80e4	2.80e4	1.800	1.85	NO	016.27	016.27									
3	PCB-105	43.20	43.23	4.20e4	2.80e4	1.800	1.88	NO	420.88	420.88									
4	PCB-127	43.87	43.87	4.20e4	2.71e4	1.800	1.88	NO	420.16	420.16									
5	PCB-128	48.57	48.54	4.80e4	2.80e4	1.800	1.88	NO	420.88	420.88									





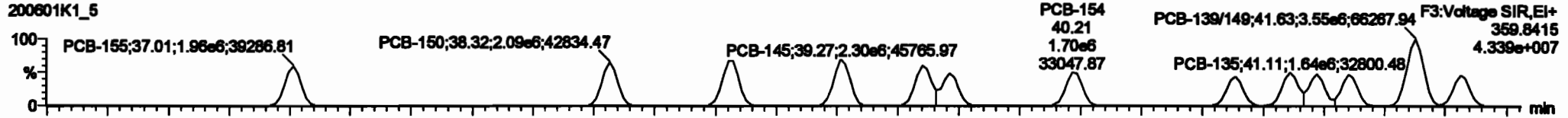
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

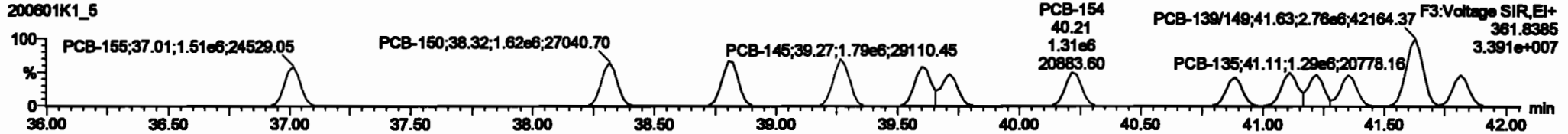
Name: 200601K1\_5, Date: 01-Jun-2020, Time: 16:20:32, ID: ST200601K1-5 PCB 209 CS4 19G2610, Description: PCB 209 CS4 19G2610

**PCB-155**

200601K1\_5

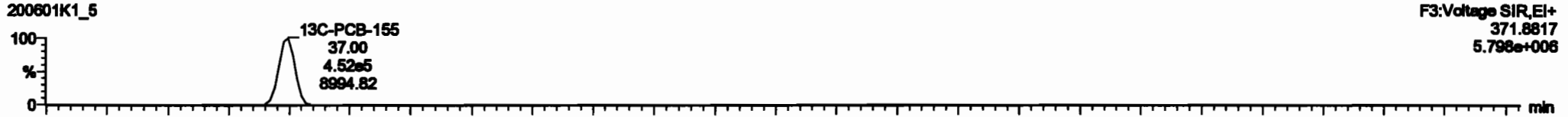


200601K1\_5

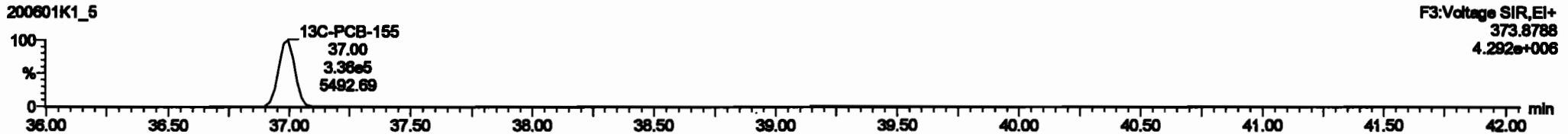


**13C-PCB-155**

200601K1\_5

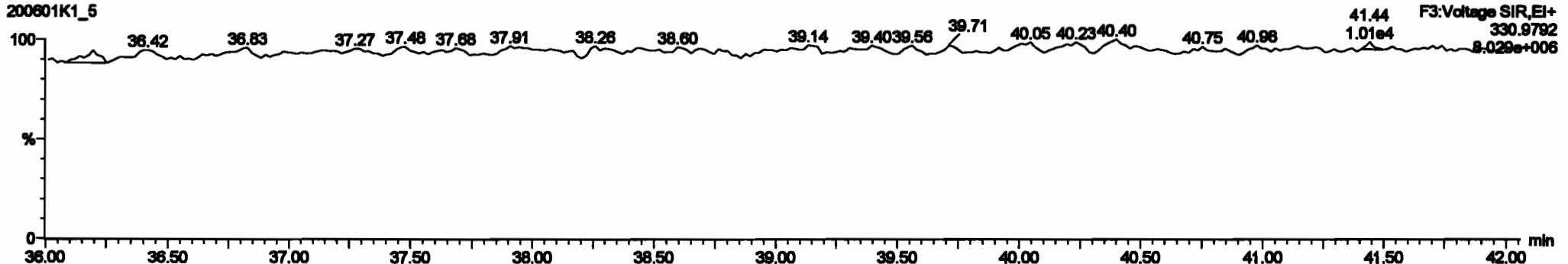


200601K1\_5



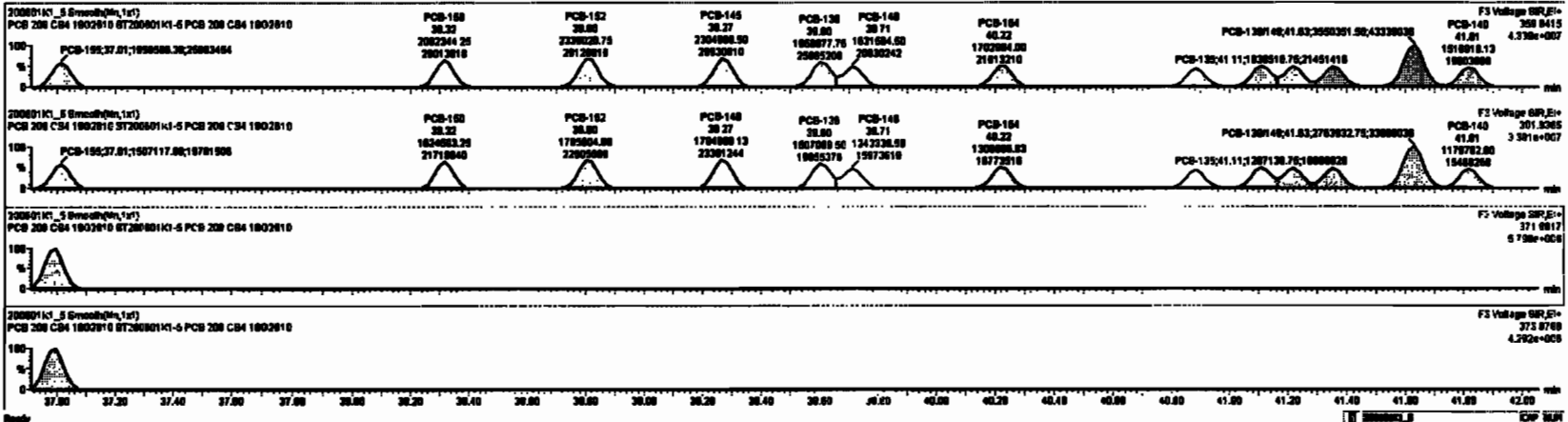
**PFK3c**

200601K1\_5



ID	Step	Step	RM	RM	OFF	Calcd	Planned	RE	Prod.R.	Yield	DEF Pct	Chgs.	100%	SA	RMPC
222	12C-PCB-178	1.8000	0.70	NO	1.0000	1.000	37.78	37.78	0.000	0.000	NO	87.43	87.4	0.0000	
223	12C-PCB-178	7.8000	0.64	NO	1.0000	1.000	48.87	48.88	0.023	0.023	NO	87.18	87.2	0.1112	
224	Total Items-PCBs				1.0000	1.000	0.00	0.000			NO	1200	0.0201	1200	
225	Total 0-PCBs				1.0000	1.000	0.00	0.000			NO	8120	0.2400	8120	
226	2nd Function 0-PCBs				1.0000	1.000	0.00	0.000			NO	3407	0.1100	3407	
227	2nd Function 0-PCBs				0.8620	1.000	0.00	0.000			NO	8774	0.0800	8774	
228	Total 1-PCBs				1.0000	1.000	0.00	0.000			NO	17000	1.37	17000	
229	2nd Function 1-PCBs				1.0000	1.000	0.00	0.000			NO	17000	0.8001	17000	
230	4th Function Parts-PCBs				1.0000	1.000	0.00	0.000			NO	2128	0.2800	2128	
231	Total 2-PCBs				1.0000	1.000	0.00	0.000			NO	8774	0.2800	8774	
232	4th Function Items-PCBs				1.0000	1.000	0.00	0.000			NO	12140	2.87	12140	
233	Total Items-PCBs				1.0000	1.000	0.00	0.000			NO	98661	4.68	98661	

PCB	ProdID	RM	RM	Off	Calcd	Planned	RE	Yield	DEF Pct	Chgs.
80	PCB-188	37.80	37.81	1.8000	1.8000	1.200	1.20	NO	421.45	421.45
90	PCB-190	38.30	38.30	2.0000	1.8000	1.200	1.20	NO	438.81	438.81
100	PCB-192	38.80	38.80	2.2000	1.7000	1.200	1.20	NO	441.48	441.48
110	PCB-145	38.30	38.27	1.8000	1.7000	1.200	1.20	NO	438.81	438.81
120	PCB-133	38.80	38.80	1.8000	1.8000	1.200	1.20	NO	431.88	431.88
130	PCB-148	38.70	38.71	1.8000	1.2000	1.200	1.20	NO	438.70	438.70
140	PCB-181	40.20	40.20	1.7000	1.8000	1.200	1.20	NO	418.80	418.80
150	PCB-181	40.80	40.80	1.4000	1.5000	1.200	1.20	NO	418.30	418.30
160	PCB-138	41.13	41.31	1.8000	1.8000	1.200	1.20	NO	480.82	480.82

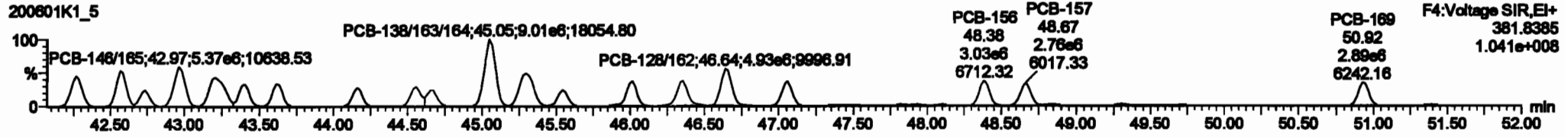
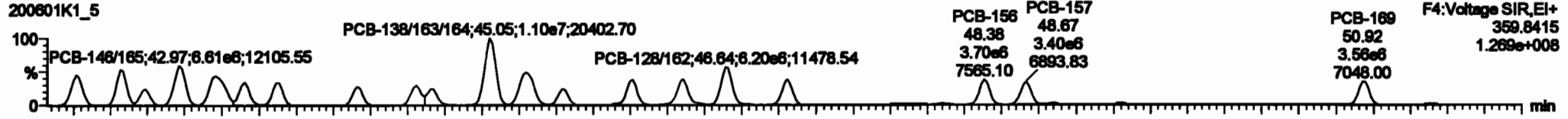


Dataset: Untitled

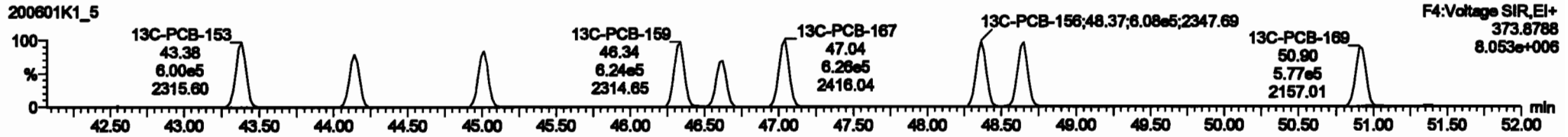
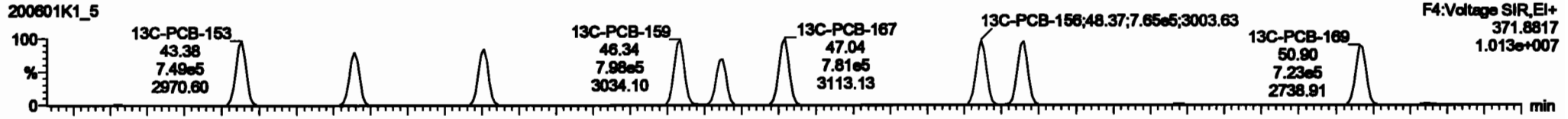
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_5, Date: 01-Jun-2020, Time: 16:20:32, ID: ST200601K1-5 PCB 209 CS4 19G2610, Description: PCB 209 CS4 19G2610

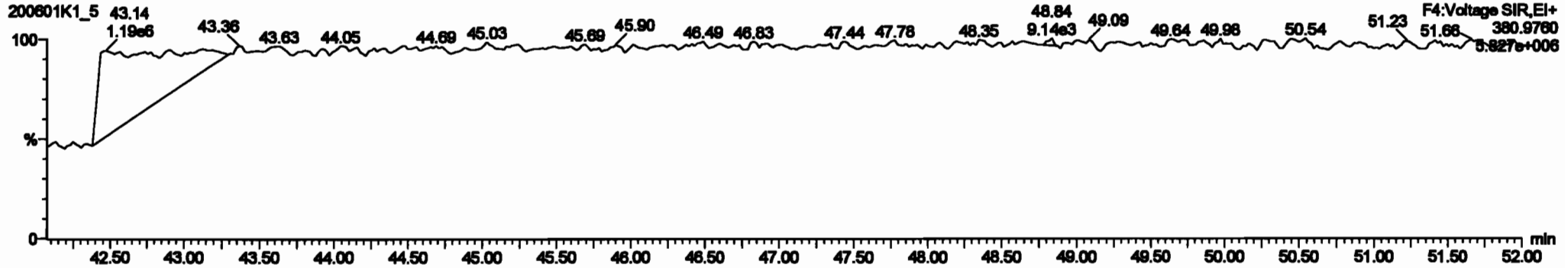
PCB-134/143



13C-PCB-153

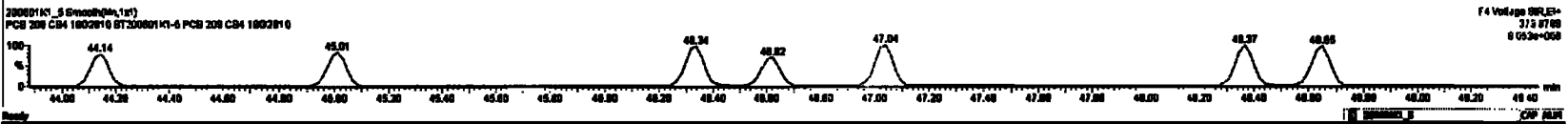
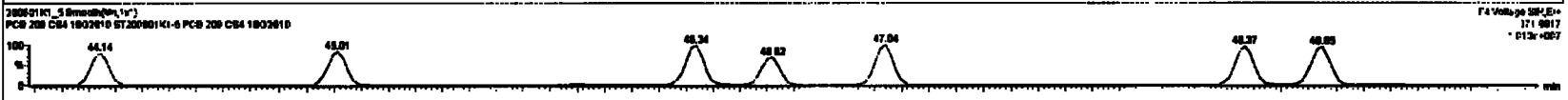
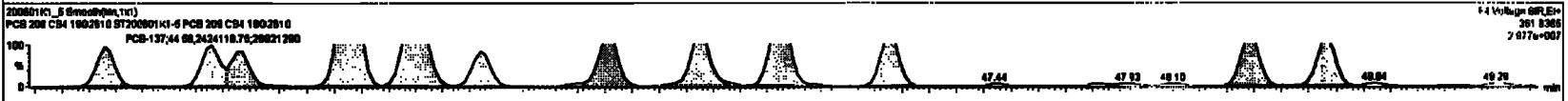
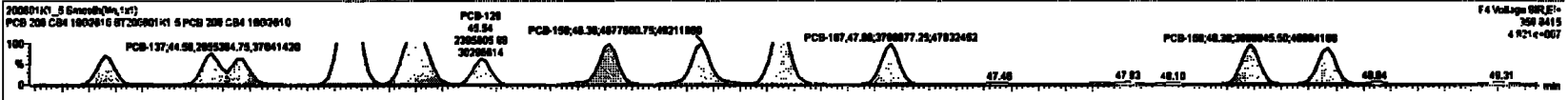


PFK4b



#	Sample	Range	Min	Max	Unit	Method	Result	Ref	Pass/Fail	Comp.	Unit	Min	Max
222	13C-PCB-78	1.80e6	0.78	ND	1.80e6	1.80e6	37.76	37.76	0.000	ND	07.40	07.4	0.0079
223	13C-PCB-79	7.80e6	0.44	ND	1.80e6	1.80e6	48.07	48.08	0.000	ND	07.40	07.2	0.1112
224	Total Mono-PCBs				1.80e6	1.80e6	0.000	0.000	ND	ND	12.00		0.0001
225	Total PCBs				1.80e6	1.80e6	0.000	0.000	ND	ND	01.20		0.248
226	2nd Function Tri-PCBs				1.80e6	1.80e6	0.000	0.000	ND	ND	24.07		0.110
227	2nd Function Tetra-PCBs				0.80e6	1.80e6	0.000	0.000	ND	ND	07.74		0.002
228	Total Tetra-PCBs				1.07e6	1.80e6	0.000	0.000	ND	ND	17.00		1.37
229	2nd Function Penta-PCBs				1.21e6	1.80e6	0.000	0.000	ND	ND	17.00		0.001
230	4th Function Penta-PCBs				1.07e6	1.80e6	0.000	0.000	ND	ND	21.30		0.200
231	2nd Function Hexa-PCBs				0.80e6	1.80e6	0.000	0.000	ND	ND	00.76		0.400
232	2nd Function Hepta-PCBs				1.80e6	1.80e6	0.000	0.000	ND	ND	00.00		0.000
233	2nd Total Hexa-PCBs				1.80e6	1.80e6	0.000	0.000	ND	ND	00.00		0.000
234	2nd Total Hepta-PCBs				1.80e6	1.80e6	0.000	0.000	ND	ND	00.00		0.000

#	Sample	Result	Min	Max	Unit	Method	Result	Ref	Pass/Fail	Comp.	Unit	Min	Max
111	PCB-137A-49	42.30	42.30	0.01e6	4.00e6	1.200	1.20	ND	000.00	000.00			
112	PCB-137A-50	42.80	42.87	0.02e6	4.30e6	1.200	1.20	ND	001.00	001.00			
113	PCB-142	42.74	42.74	2.20e6	1.00e6	1.200	1.20	ND	438.00	438.00			
114	PCB-149B	42.80	42.87	0.02e6	4.30e6	1.200	1.20	ND	073.00	073.00			
115	PCB-150B1	43.27	43.21	0.07e6	4.20e6	1.200	1.20	ND	001.20	001.20			
116	PCB-160	43.00	43.00	2.47e6	2.70e6	1.200	1.20	ND	427.00	427.00			
117	PCB-160	43.00	43.00	0.00e6	3.00e6	1.200	1.20	ND	426.70	426.70			
118	PCB-141	44.10	44.10	2.74e6	2.10e6	1.200	1.20	ND	428.00	428.00			
119	PCB-137	44.00	44.00	3.00e6	2.42e6	1.200	1.20	ND	431.00	431.00			



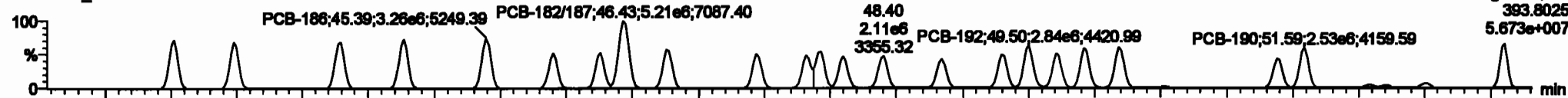
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

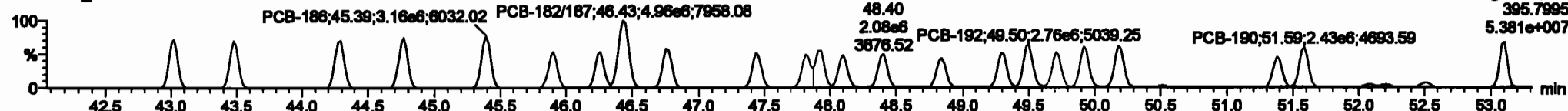
Name: 200601K1\_5, Date: 01-Jun-2020, Time: 16:20:32, ID: ST200601K1-5 PCB 209 CS4 19G2610, Description: PCB 209 CS4 19G2610

**PCB-188**

200601K1\_5

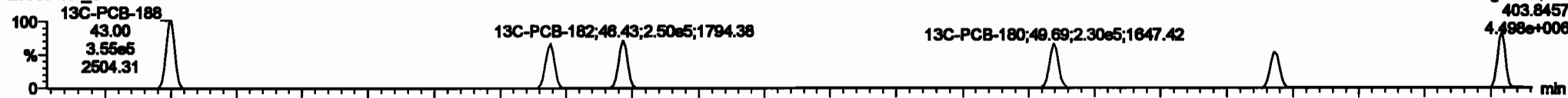


200601K1\_5

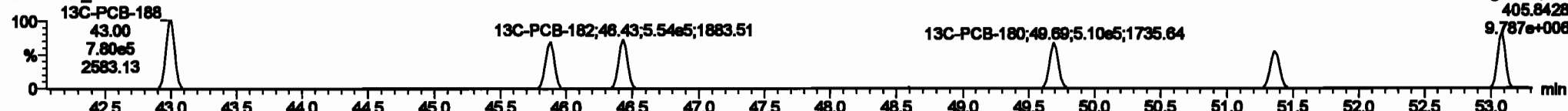


**13C-PCB-188**

200601K1\_5

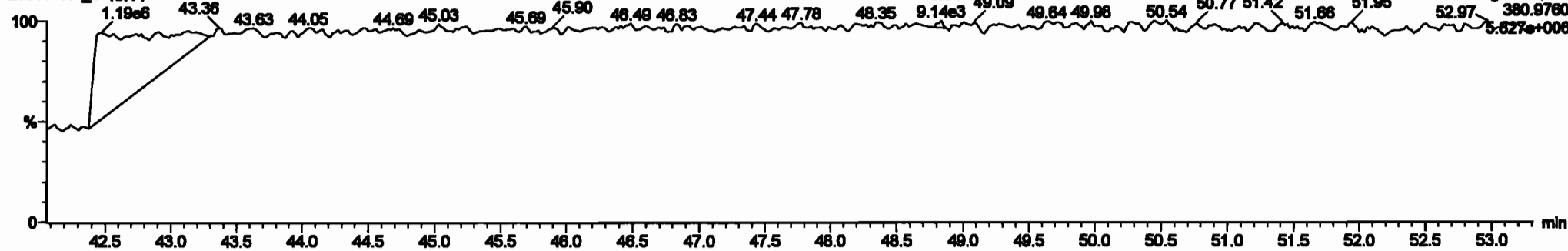


200601K1\_5



**PFK4c**

200601K1\_5



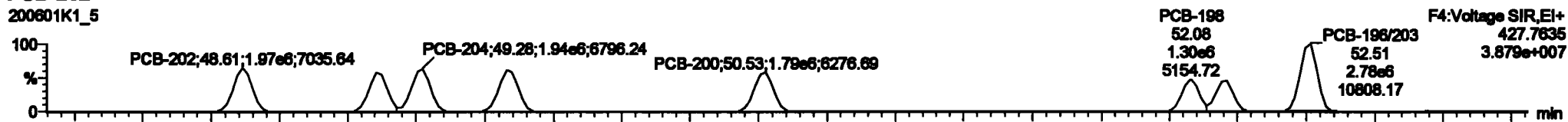
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

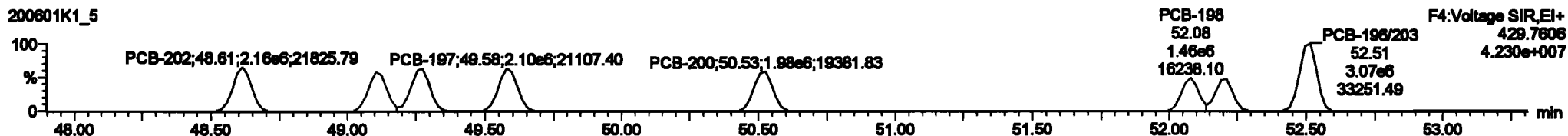
Name: 200601K1\_5, Date: 01-Jun-2020, Time: 16:20:32, ID: ST200601K1-5 PCB 209 CS4 19G2610, Description: PCB 209 CS4 19G2610

**PCB-202**

200601K1\_5

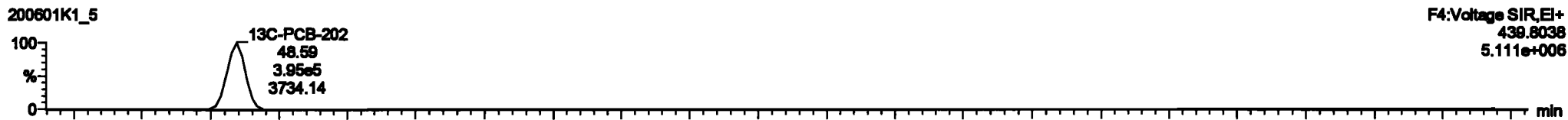


200601K1\_5

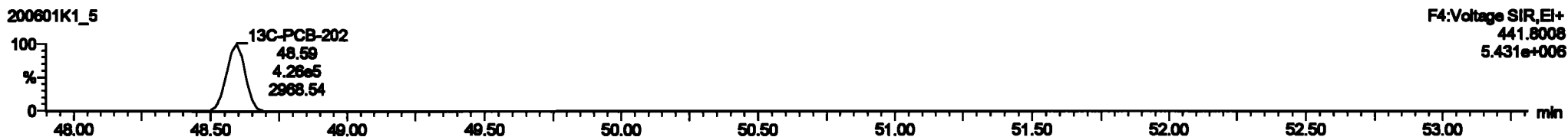


**13C-PCB-202**

200601K1\_5

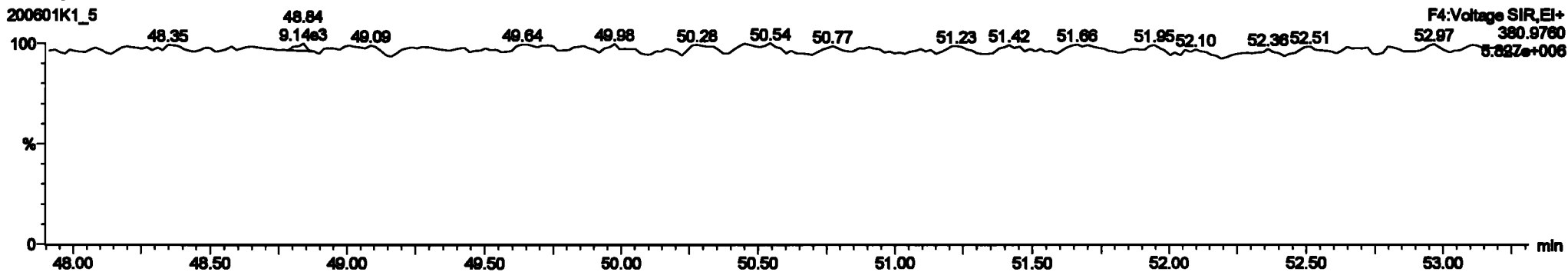


200601K1\_5



**PFK4d**

200601K1\_5



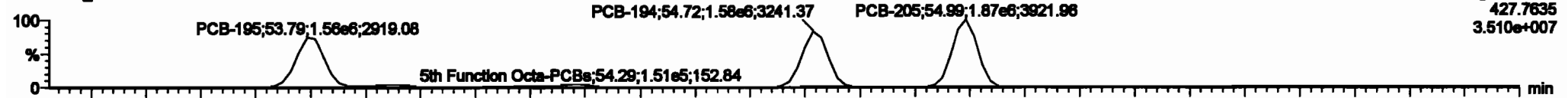
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

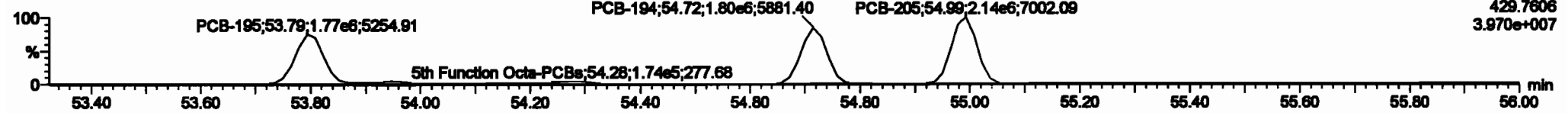
Name: 200601K1\_5, Date: 01-Jun-2020, Time: 16:20:32, ID: ST200601K1-5 PCB 209 CS4 19G2610, Description: PCB 209 CS4 19G2610

**PCB-195**

200601K1\_5

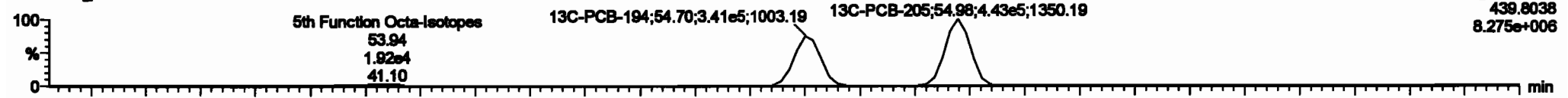


200601K1\_5

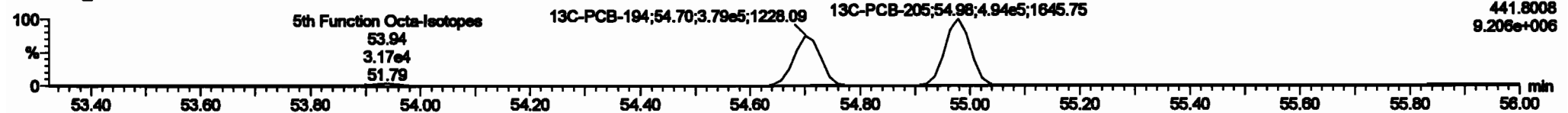


**13C-PCB-194**

200601K1\_5

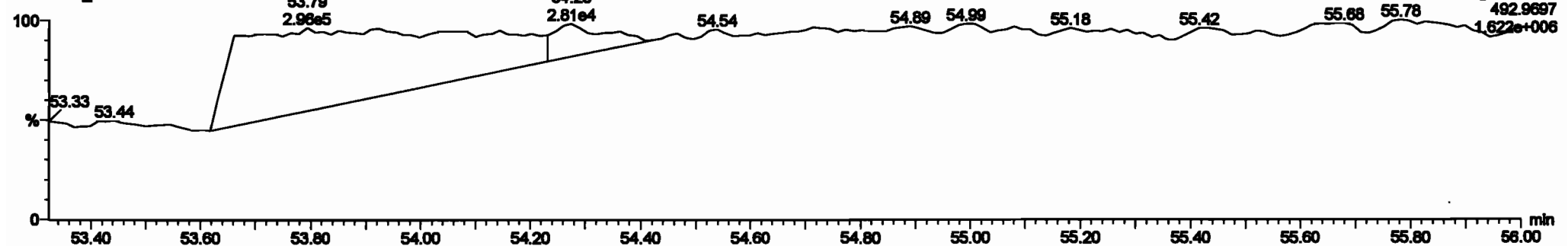


200601K1\_5



**PFK5a**

200601K1\_5



Dataset: Untitled

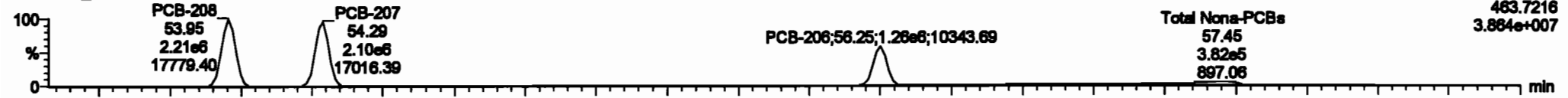
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

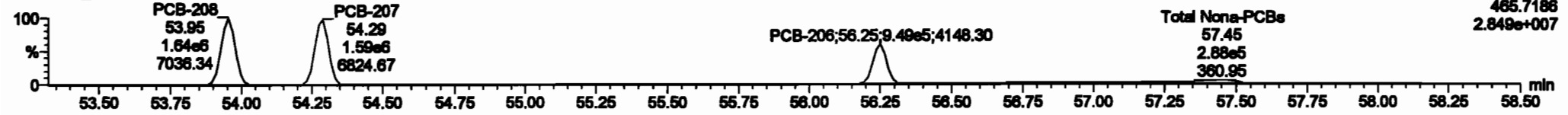
Name: 200601K1\_5, Date: 01-Jun-2020, Time: 16:20:32, ID: ST200601K1-5 PCB 209 CS4 19G2610, Description: PCB 209 CS4 19G2610

**PCB-208**

200601K1\_5

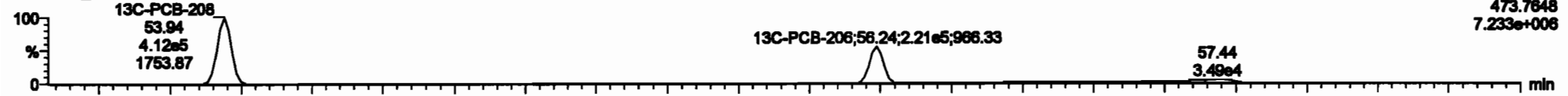


200601K1\_5

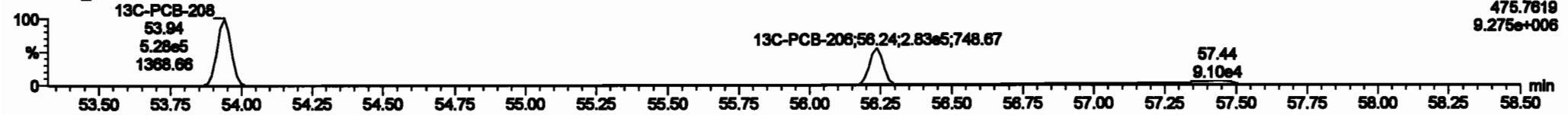


**13C-PCB-208**

200601K1\_5

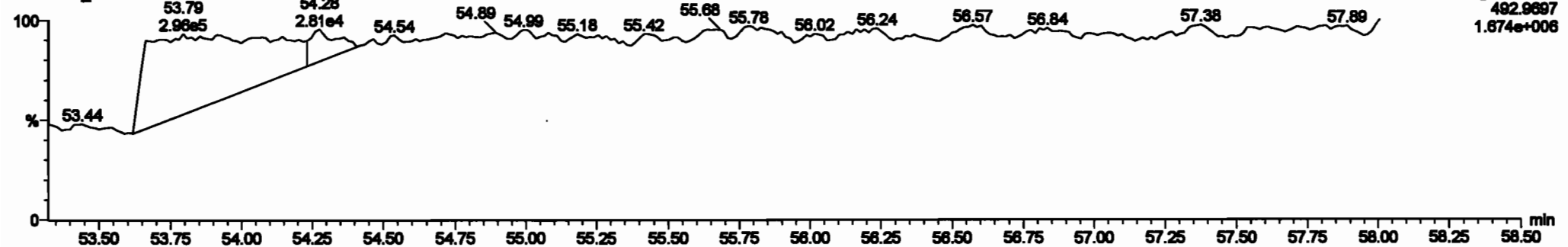


200601K1\_5



**PFK5**

200601K1\_5





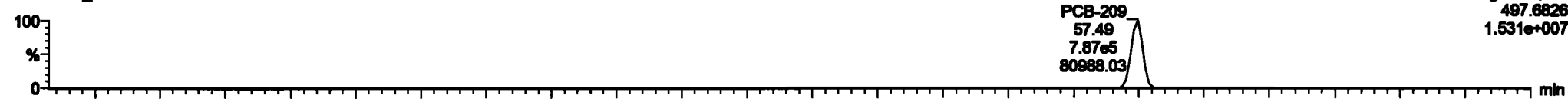
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

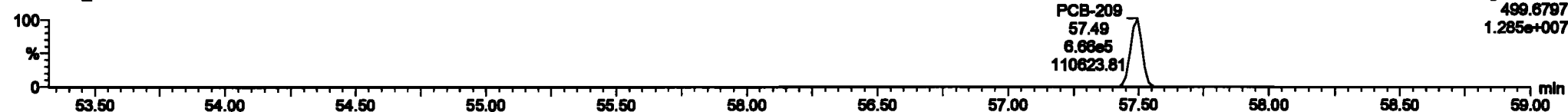
Name: 200601K1\_5, Date: 01-Jun-2020, Time: 16:20:32, ID: ST200601K1-5 PCB 209 CS4 19G2610, Description: PCB 209 CS4 19G2610

**PCB-209**

200601K1\_5

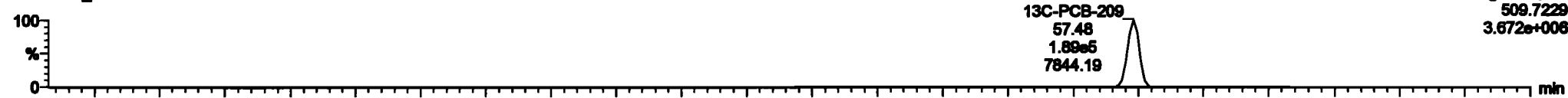


200601K1\_5

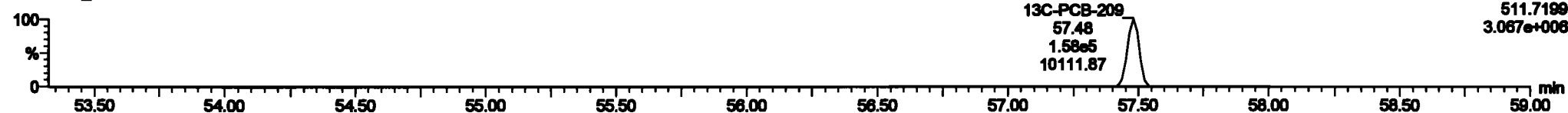


**13C-PCB-209**

200601K1\_5

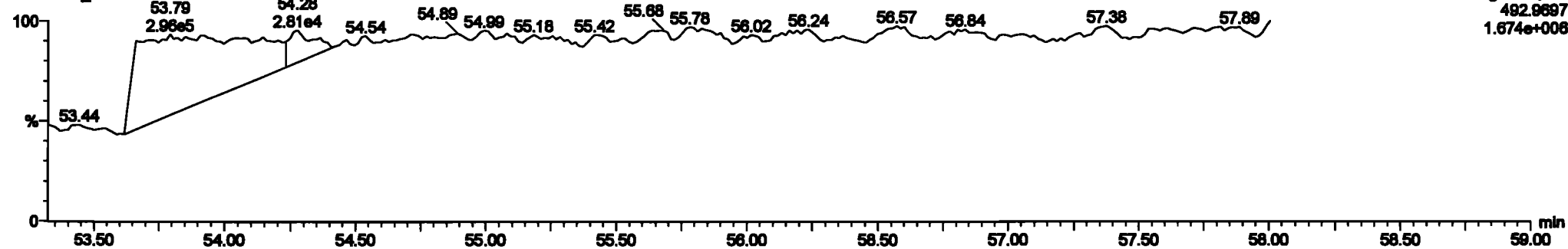


200601K1\_5



**PFK5b**

200601K1\_5

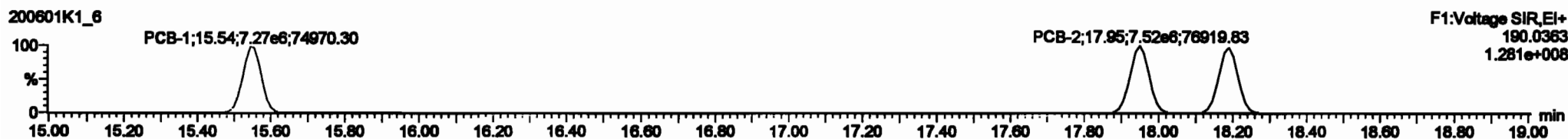


Dataset: Untitled

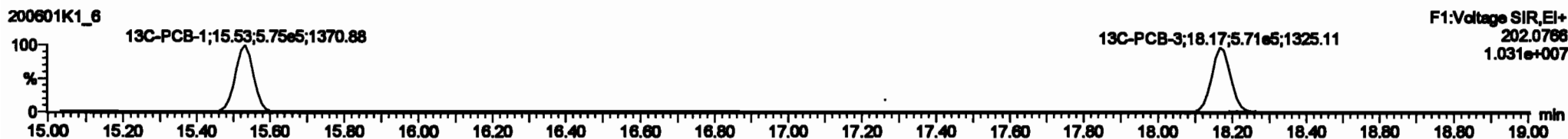
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_6, Date: 01-Jun-2020, Time: 17:21:13, ID: ST200601K1-6 PCB 209 CS5 19G2611, Description: PCB 209 CS5 19G2611

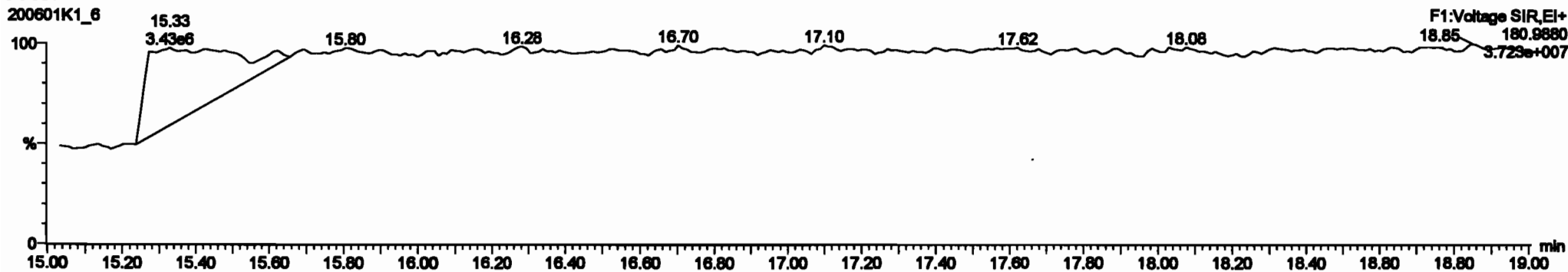
**PCB-1**



**13C-PCB-1**



**PFK1**

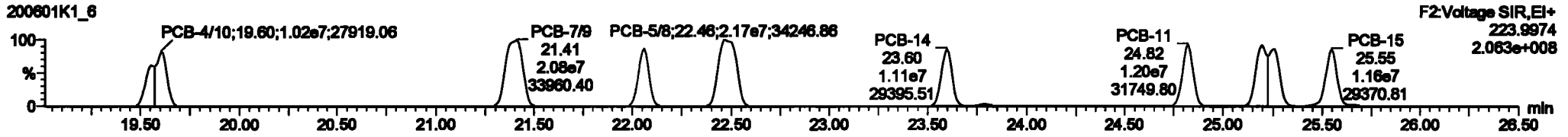
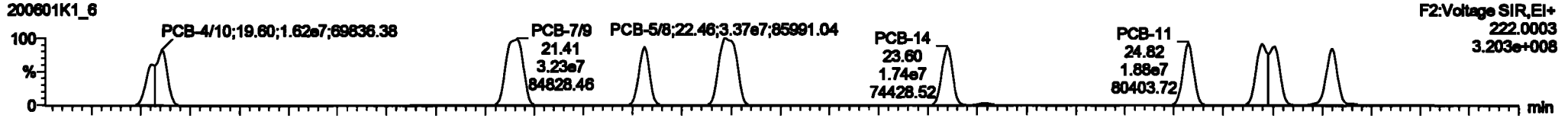


Dataset: Untitled

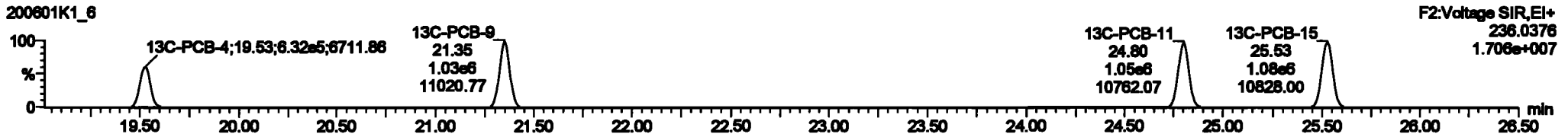
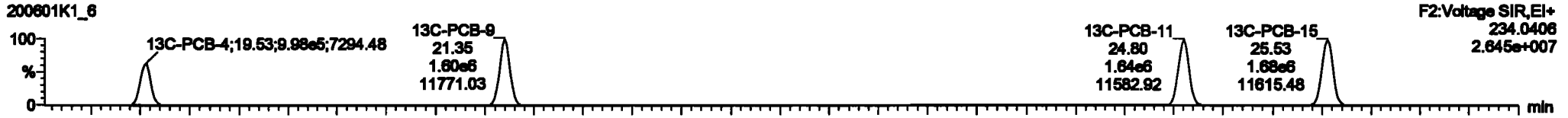
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_6, Date: 01-Jun-2020, Time: 17:21:13, ID: ST200601K1-6 PCB 209 CS5 19G2811, Description: PCB 209 CS5 19G2811

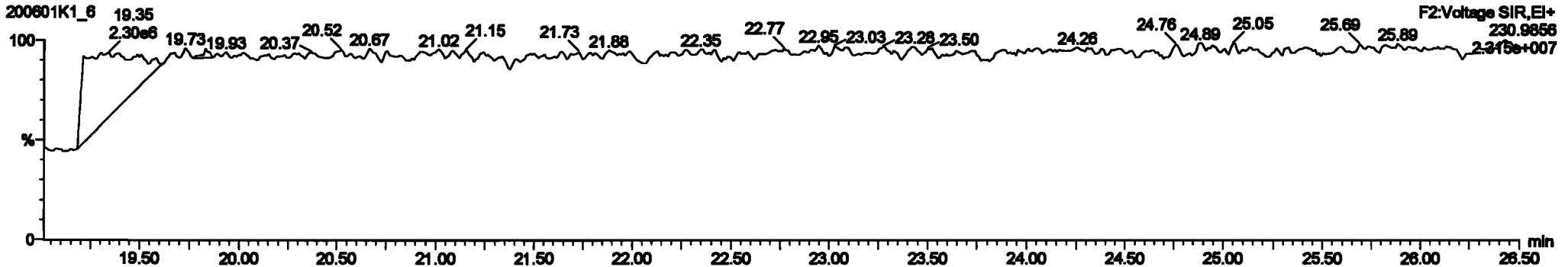
**PCB-4/10**

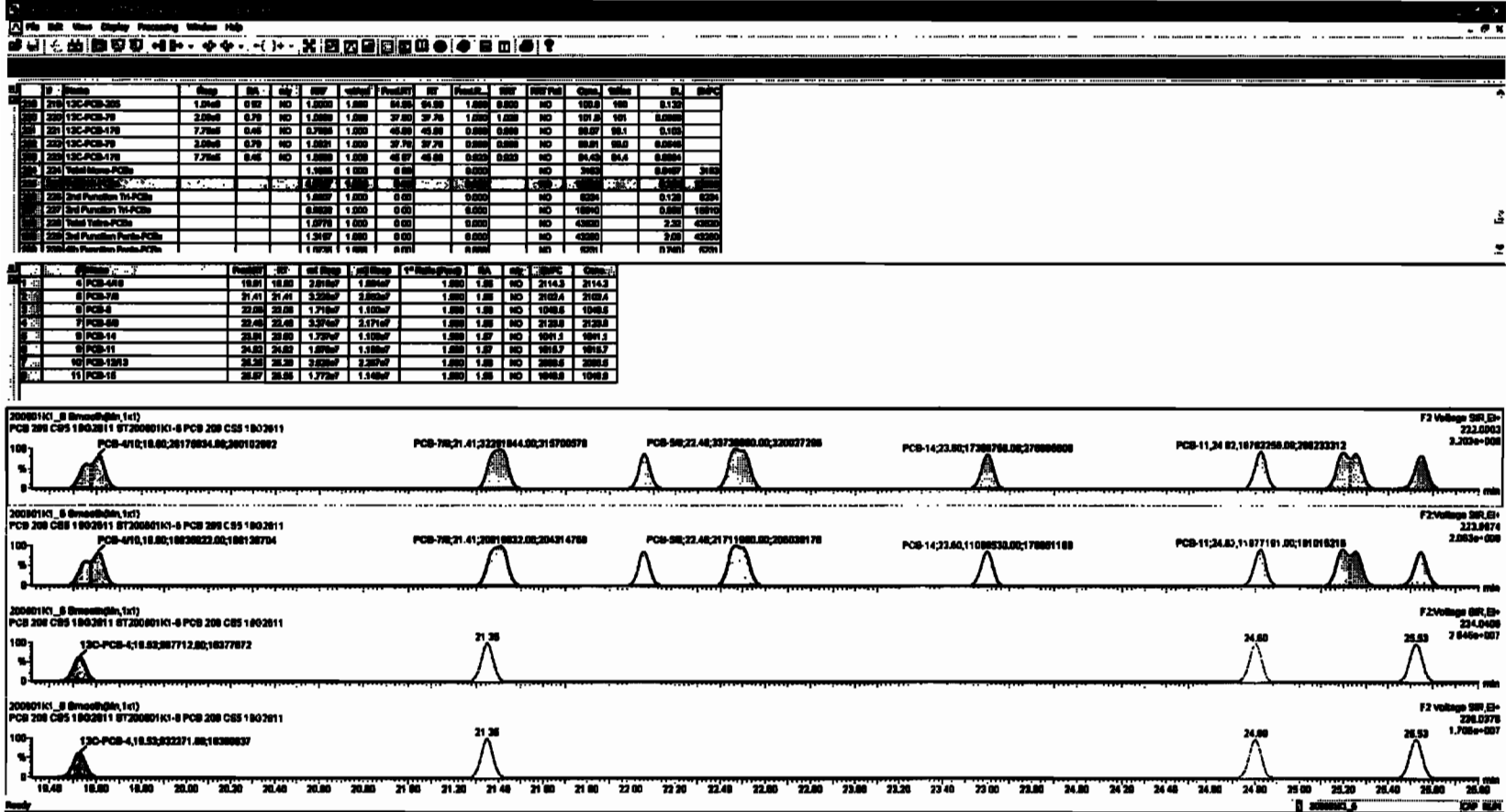


**13C-PCB-4**



**PFK2a**



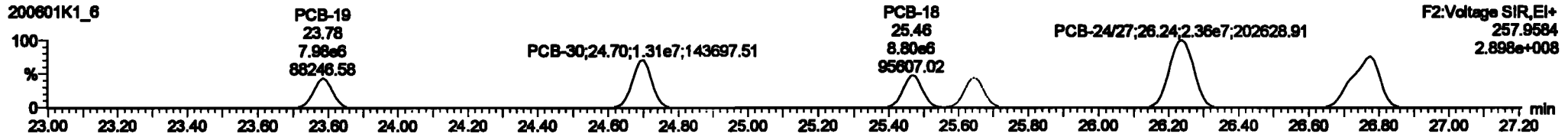


Dataset: Untitled

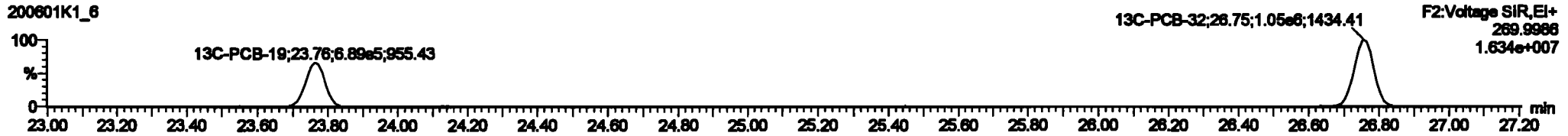
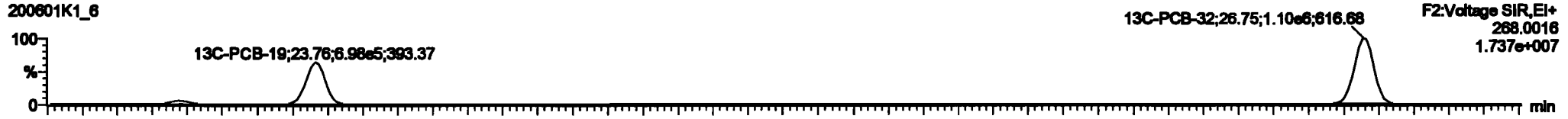
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_6, Date: 01-Jun-2020, Time: 17:21:13, ID: ST200601K1-6 PCB 209 CS5 19G2611, Description: PCB 209 CS5 19G2611

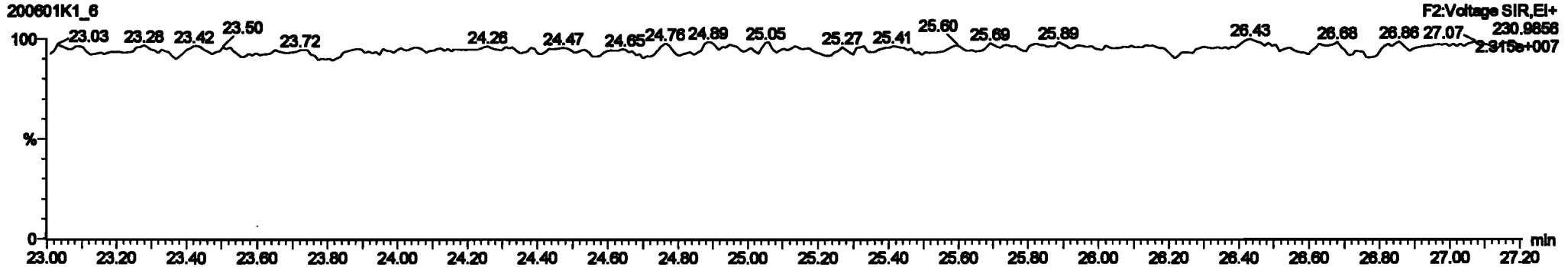
**PCB-19**



**13C-PCB-19**



**PFK2b**

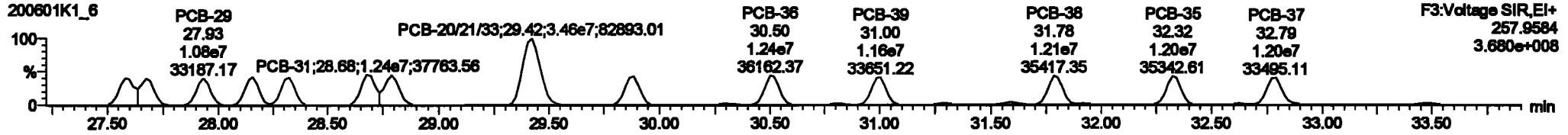
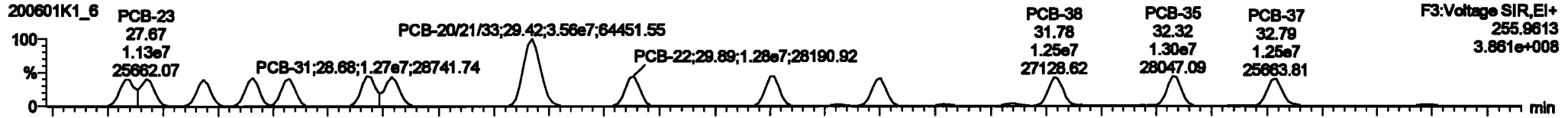


Dataset: Untitled

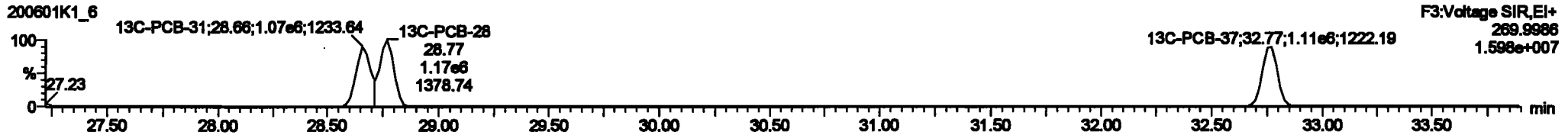
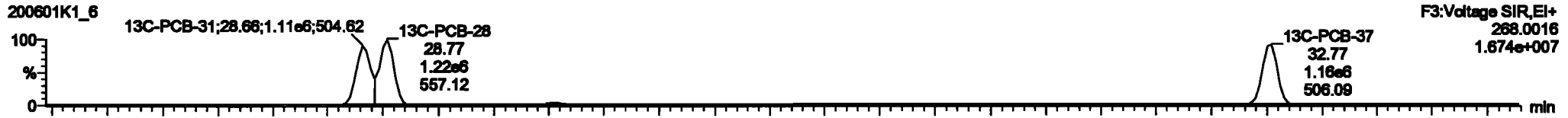
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_6, Date: 01-Jun-2020, Time: 17:21:13, ID: ST200601K1-6 PCB 209 CS5 19G2611, Description: PCB 209 CS5 19G2611

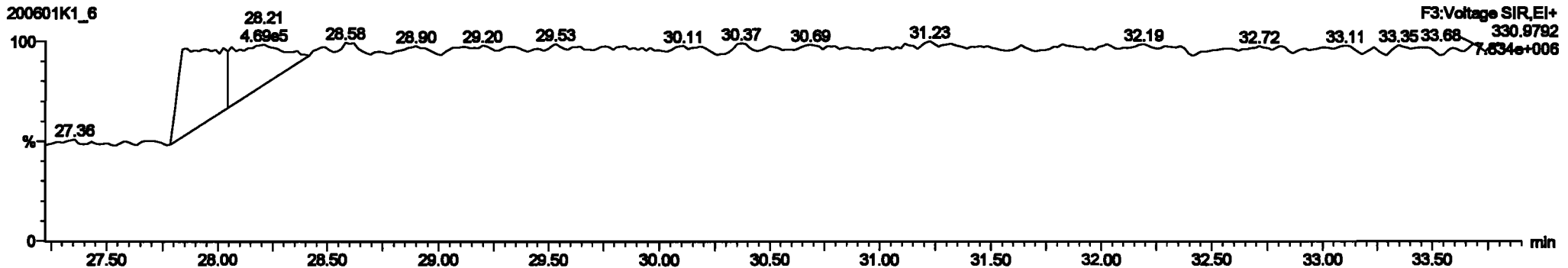
**PCB-34**



**13C-PCB-28**

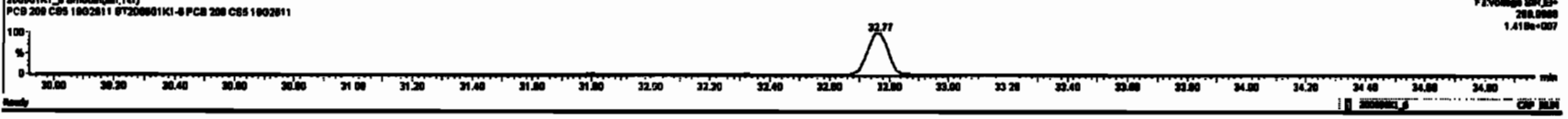
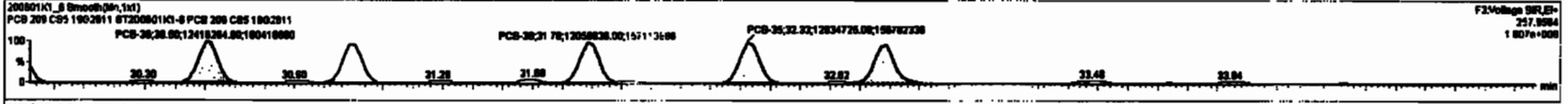
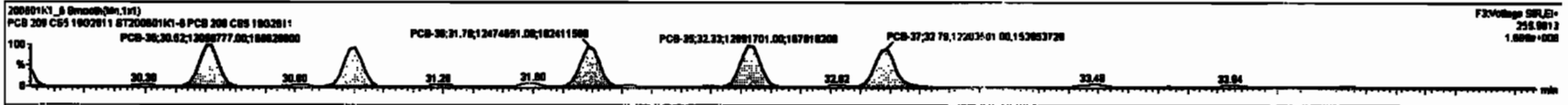


**PFK3d**



#	Name	Range	RA	RF	RF/RA	RF/RF	RF/RF	RF/RF	RF/RF	RF/RF	RF/RF	RF/RF	RF/RF	RF/RF	RF/RF	RF/RF	RF/RF	RF/RF
215	13C-PCB-205	1.01e6	0.82	ND	1.0000	1.000	54.88	54.88	1.000	0.820	ND	100.0	100	0.132				
220	13C-PCB-206	2.88e6	0.79	ND	1.0000	1.000	37.80	37.78	1.000	1.820	ND	101.0	101	0.0000				
221	13C-PCB-170	7.79e6	0.45	ND	0.7000	1.000	45.88	45.88	0.880	0.880	ND	98.07	98.1	0.103				
222	13C-PCB-207	2.88e6	0.79	ND	1.0000	1.000	37.78	37.78	0.880	0.880	ND	98.01	98.0	0.0040				
223	13C-PCB-170	7.79e6	0.45	ND	1.0000	1.000	45.87	45.88	0.820	0.820	ND	94.43	94.4	0.0094				
224	Total Name PCBs				1.9888	1.000	0.00	0.000	0.000	0.000	ND	3183		0.0457	3183			
225	Total DA PCBs				1.8937	1.000	0.00	0.000	0.000	0.000	ND	12880		0.388	12880			
226	Total Function NA PCBs				1.8937	1.000	0.00	0.000	0.000	0.000	ND	8234		0.128	8234			
227	Total Name PCBs				1.9888	1.000	0.00	0.000	0.000	0.000	ND	42620		2.32	42620			
228	Total Function PCBs				1.8937	1.000	0.00	0.000	0.000	0.000	ND	42620		2.05	42620			
229	Total Function Pseudo PCBs				1.8937	1.000	0.00	0.000	0.000	0.000	ND	8234		0.128	8234			
230	Total Pseudo PCBs				1.8937	1.000	0.00	0.000	0.000	0.000	ND	8234		0.128	8234			

#	Name	Range	RA	RF	RF/RA	RF/RF	RF/RF	RF/RF	RF/RF	RF/RF	RF/RF	RF/RF	RF/RF	RF/RF	RF/RF	RF/RF	RF/RF	RF/RF
1	16 PCB-34	27.88	27.88	1.182e7	1.182e7	1.040	1.89	ND	1021.1	1021.1								
2	18 PCB-25	27.87	27.87	1.128e7	1.128e7	1.040	1.87	ND	1030.7	1030.7								
3	20 PCB-26	27.89	27.89	1.104e7	1.104e7	1.040	1.88	ND	1023.7	1023.7								
4	21 PCB-28	28.16	28.16	1.182e7	1.142e7	1.040	1.84	ND	1024.1	1024.1								
5	22 PCB-28	28.21	28.21	1.176e7	1.132e7	1.040	1.84	ND	1018.0	1018.0								
6	23 PCB-24	28.98	28.98	1.372e7	1.328e7	1.040	1.89	ND	1014.3	1014.3								
7	24 PCB-23	28.78	28.78	1.208e7	1.208e7	1.040	1.89	ND	1048.1	1048.1								
8	25 PCB-200103	28.43	28.43	3.882e7	3.882e7	1.040	1.89	ND	2144.3	2144.3								
9	26 PCB-22	28.87	28.88	1.208e7	1.208e7	1.040	1.89	ND	1071.1	1071.1								

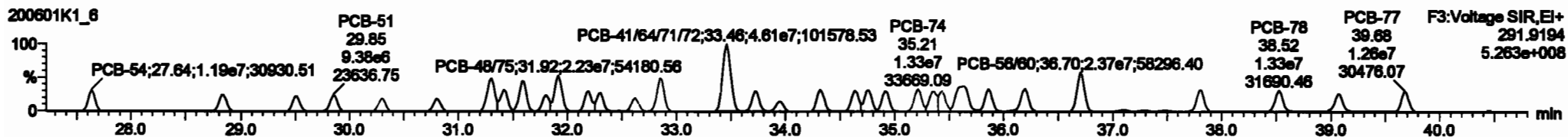
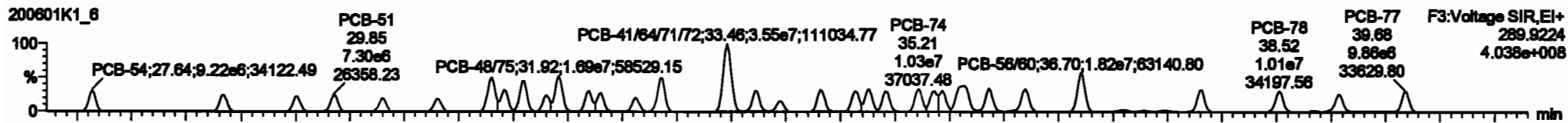


Dataset: Untitled

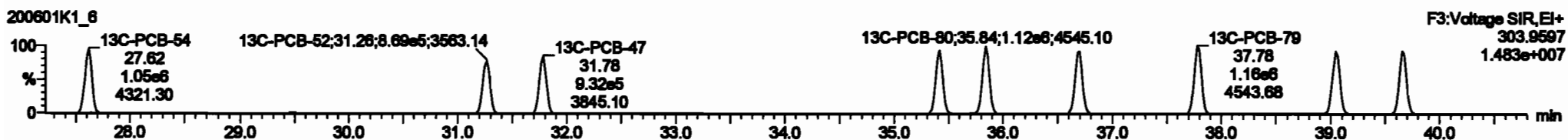
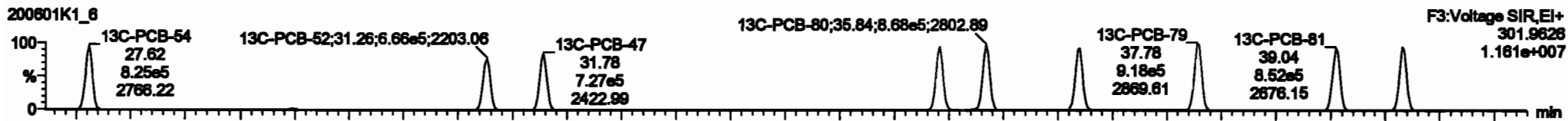
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_6, Date: 01-Jun-2020, Time: 17:21:13, ID: ST200601K1-6 PCB 209 CS5 19G2611, Description: PCB 209 CS5 19G2611

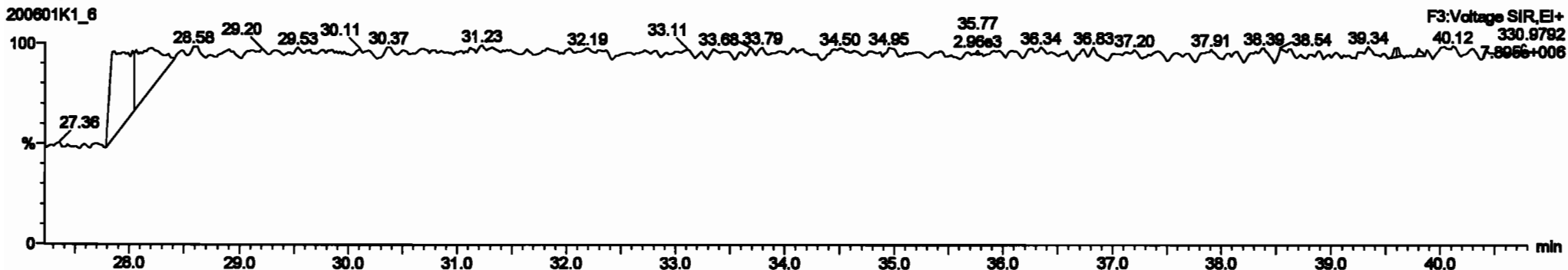
PCB-54



13C-PCB-54



PFK3a





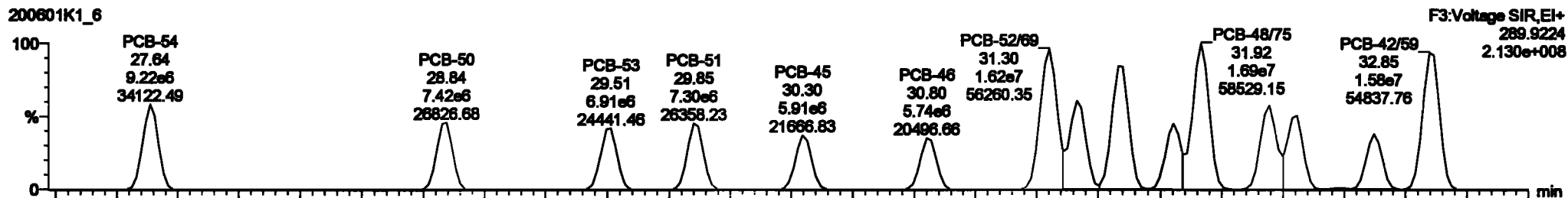
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

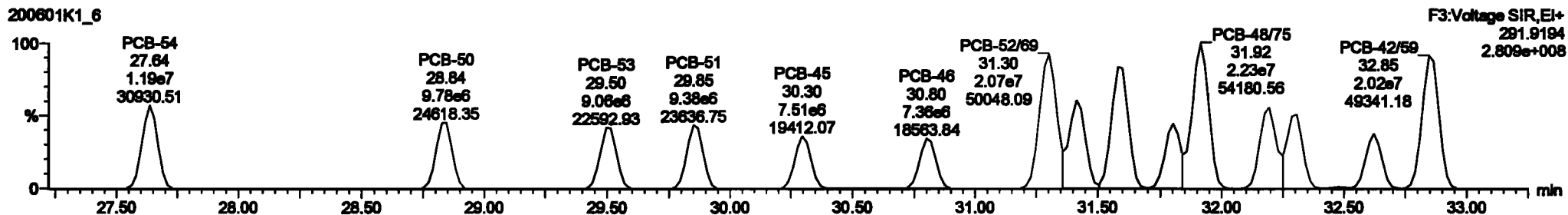
Name: 200601K1\_6, Date: 01-Jun-2020, Time: 17:21:13, ID: ST200601K1-6 PCB 209 CS5 19G2611, Description: PCB 209 CS5 19G2611

PCB-50

200601K1\_6



200601K1\_6

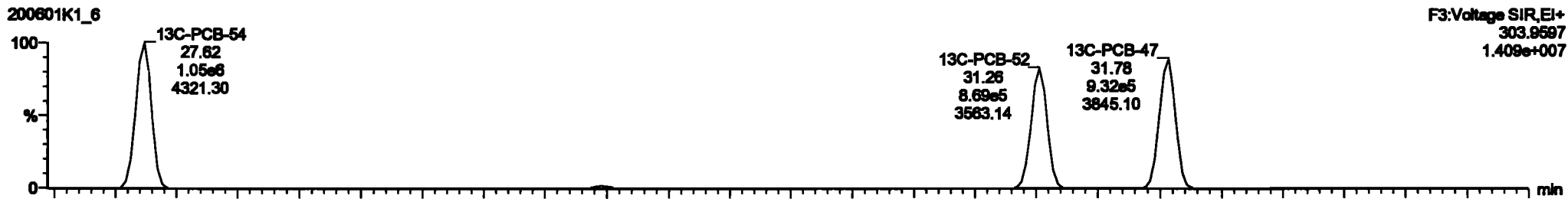


13C-PCB-52

200601K1\_6



200601K1\_6

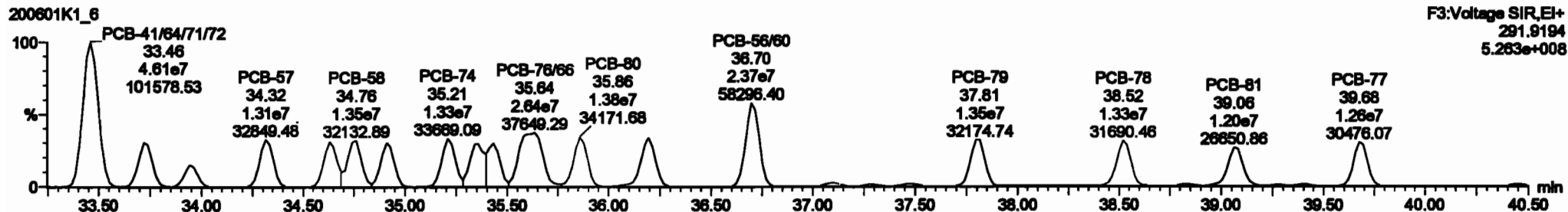
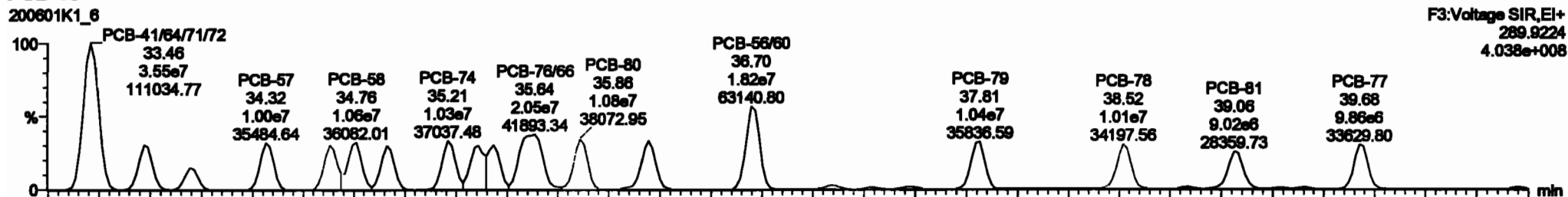


Dataset: Untitled

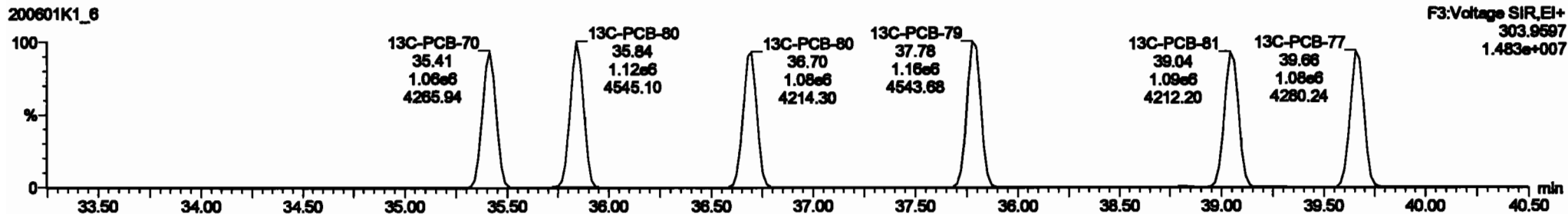
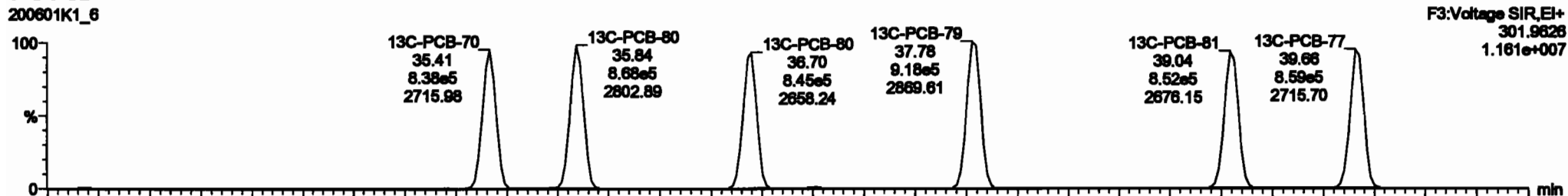
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_6, Date: 01-Jun-2020, Time: 17:21:13, ID: ST200601K1-6 PCB 209 CS5 19G2611, Description: PCB 209 CS5 19G2611

**PCB-68**

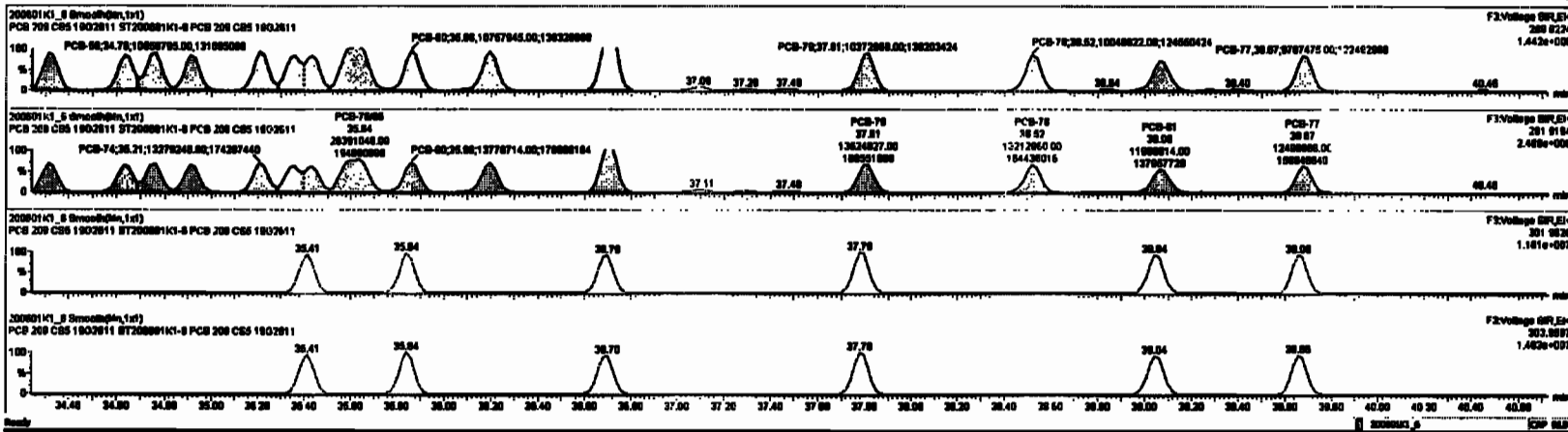


**13C-PCB-60**



P. Name	Step	BA	Qty	Unit	Cost	Unit Cost	Material	Unit Cost	Material	Unit Cost	Material	Unit Cost	Material	Unit Cost	Material	Unit Cost
210 13C-PCB-208	1.27in	0.92	NO	1.0000	1.000	04.00	04.00	1.0000	0.0000	NO	1802.0	180	0.120			
220 13C-PCB-70	2.00in	0.70	NO	1.0000	1.000	37.00	37.00	1.0000	1.0000	NO	1042.0	104	0.005			
221 13C-PCB-170	7.75in	0.48	NO	0.7000	1.000	48.00	48.00	0.0000	0.0000	NO	68.00	68.1	0.100			
222 13C-PCB-70	2.00in	0.70	NO	1.0021	1.000	37.70	37.70	0.0000	0.0000	NO	68.00	68.0	0.000			
223 13C-PCB-170	7.75in	0.48	NO	1.0000	1.000	48.00	48.00	0.0000	0.0000	NO	68.00	68.4	0.000			
224 Total Misc-PCBs				1.0000	1.000	0.00	0.000	0.0000	0.0000	NO	31.00		0.000	31.00		
225 Total BA-PCBs				1.0000	1.000	0.00	0.000	0.0000	0.0000	NO	12.00		0.000	12.00		
226 2nd Purition TM-PCBs				1.0000	1.000	0.00	0.000	0.0000	0.0000	NO	62.04		0.120	62.04		
227 2nd Purition TM-PCBs				0.0000	1.000	0.00	0.000	0.0000	0.0000	NO	18.00		0.000	18.00		
228 2nd Purition TM-PCBs				1.0000	1.000	0.00	0.000	0.0000	0.0000	NO	12.00		0.120	12.00		
229 2nd Purition TM-PCBs				1.0000	1.000	0.00	0.000	0.0000	0.0000	NO	43.00		0.000	43.00		
230 2nd Purition TM-PCBs				1.0000	1.000	0.00	0.000	0.0000	0.0000	NO	62.04		0.120	62.04		

PCB Name	Part No.	Qty	Unit Cost	Material	Unit Cost	Material	Unit Cost	Material	Unit Cost	Material	Unit Cost	Material	Unit Cost	Material	Unit Cost
30 PCB-84	37.04	37.04	0.217in	1.100in	0.770	0.77	NO	1042.0	1042.0						
30 PCB-80	38.00	38.04	7.420in	0.770in	0.770	0.70	NO	1042.0	1042.0						
30 PCB-80	38.00	38.04	0.800in	0.800in	0.770	0.70	NO	1042.0	1042.0						
30 PCB-80	38.00	38.00	7.200in	0.200in	0.770	0.70	NO	1042.0	1042.0						
30 PCB-80	38.00	38.00	0.800in	7.200in	0.770	0.70	NO	1042.0	1042.0						
30 PCB-80	38.00	38.00	0.740in	7.200in	0.770	0.70	NO	1042.0	1042.0						
30 PCB-80	31.00	31.00	1.810in	2.000in	0.770	0.70	NO	2007.0	2007.0						
30 PCB-70	31.01	31.01	1.000in	1.500in	0.770	0.77	NO	1042.0	1042.0						
40 PCB-4300	31.00	31.00	1.017in	1.000in	0.770	0.77	NO	2008.0	2008.0						

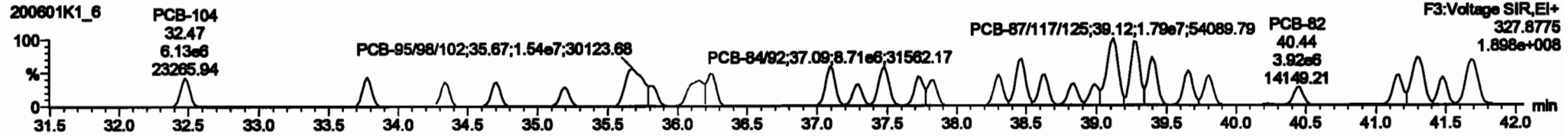
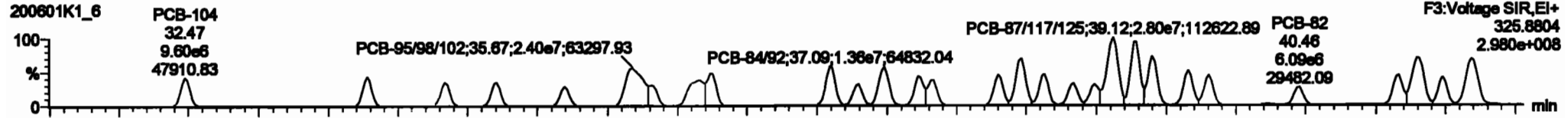


Dataset: Untitled

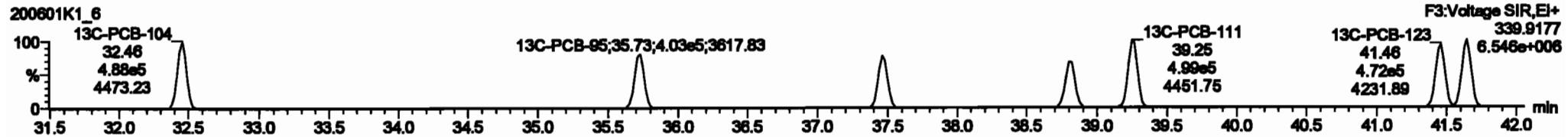
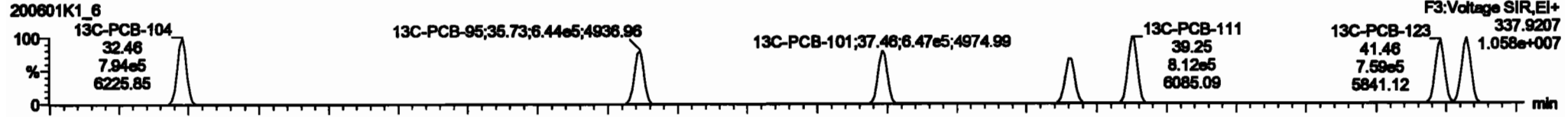
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_6, Date: 01-Jun-2020, Time: 17:21:13, ID: ST200601K1-6 PCB 209 CS5 19G2611, Description: PCB 209 CS5 19G2611

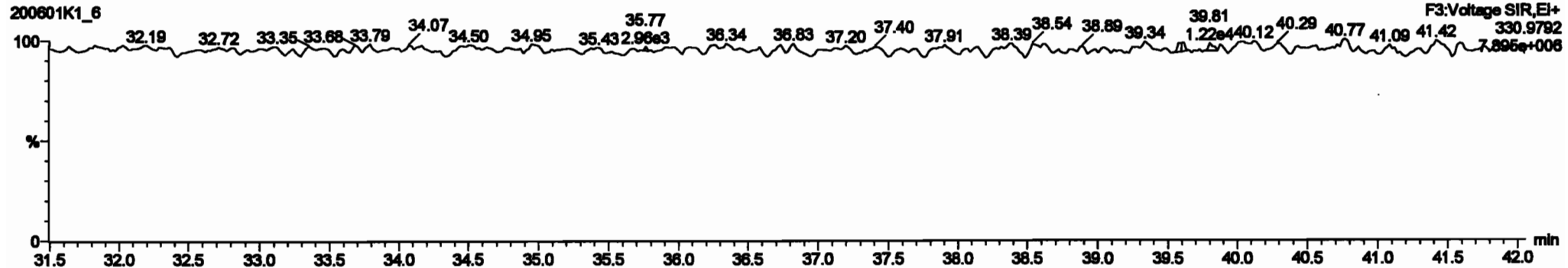
**PCB-104**



**13C-PCB-104**



**PFK3b**



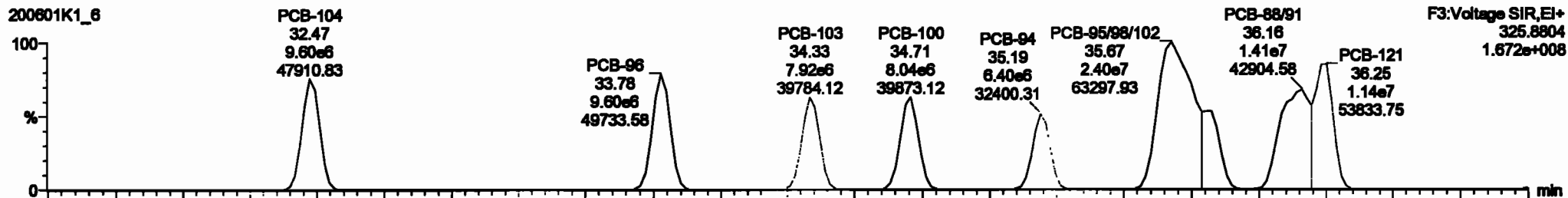
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

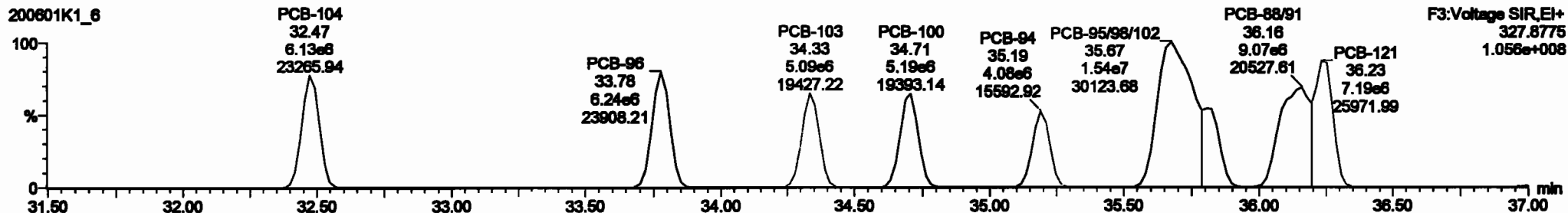
Name: 200601K1\_6, Date: 01-Jun-2020, Time: 17:21:13, ID: ST200601K1-6 PCB 209 CS5 19G2611, Description: PCB 209 CS5 19G2611

**PCB-96**

200601K1\_6



200601K1\_6

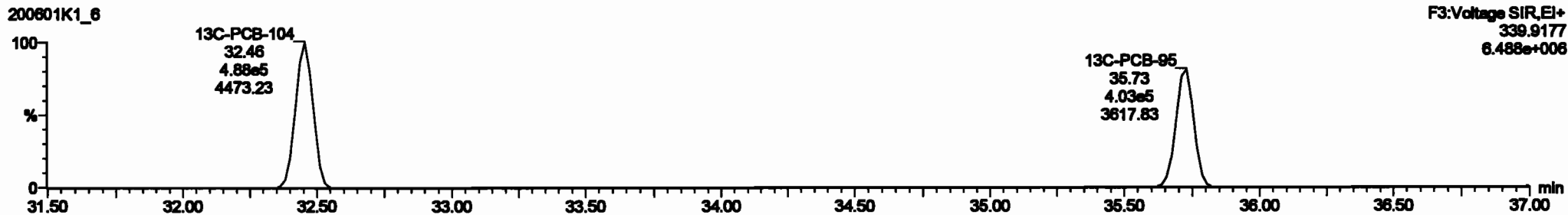


**13C-PCB-95**

200601K1\_6



200601K1\_6



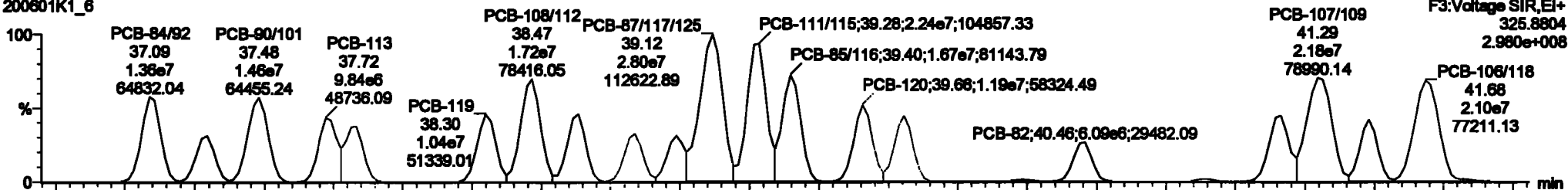
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

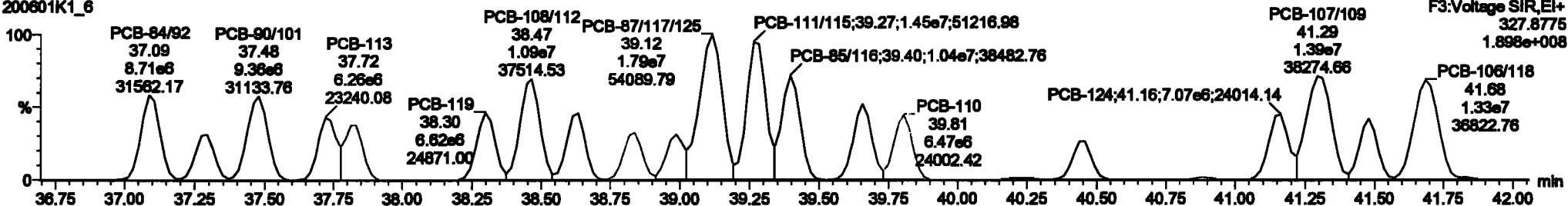
Name: 200601K1\_6, Date: 01-Jun-2020, Time: 17:21:13, ID: ST200601K1-6 PCB 209 CS5 19G2611, Description: PCB 209 CS5 19G2611

PCB-119

200601K1\_6

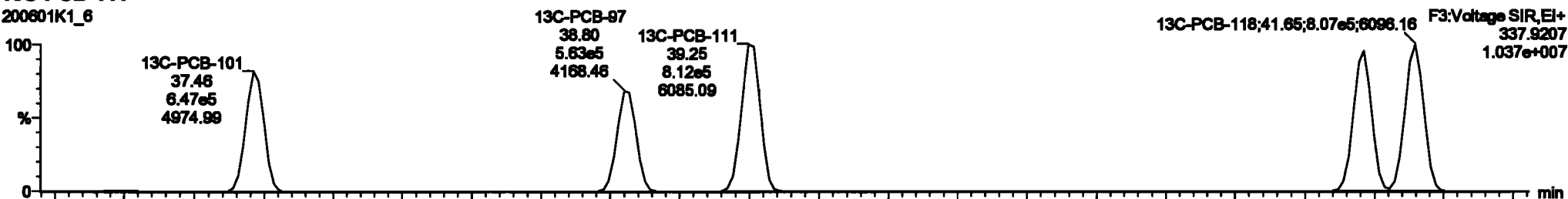


200601K1\_6

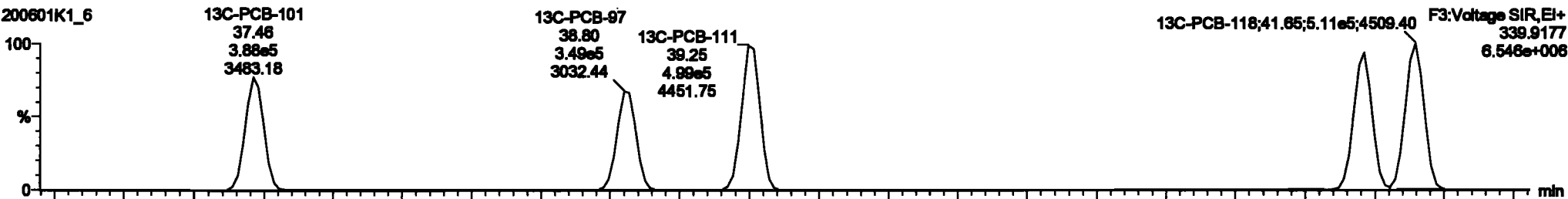


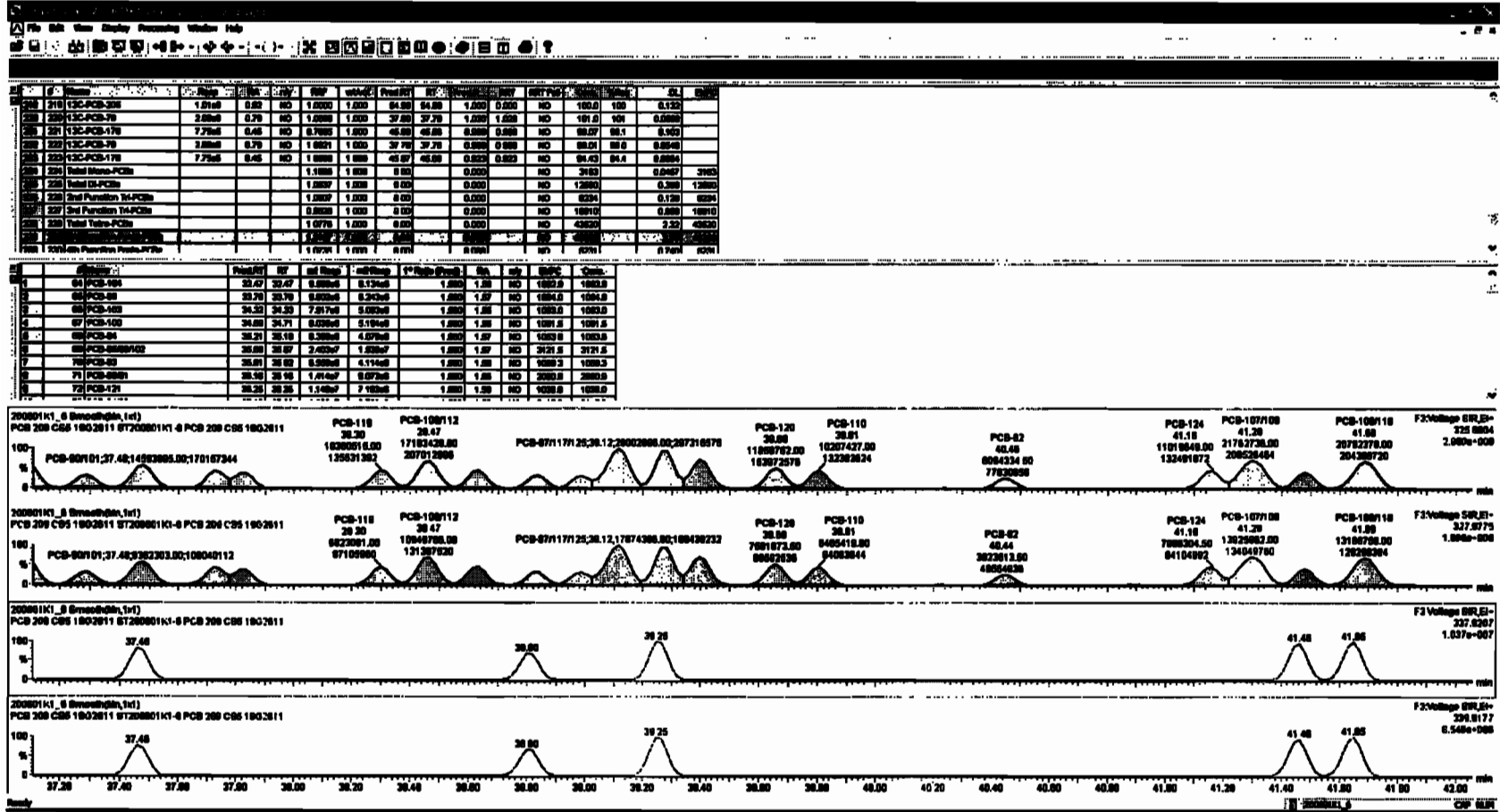
13C-PCB-111

200601K1\_6



200601K1\_6



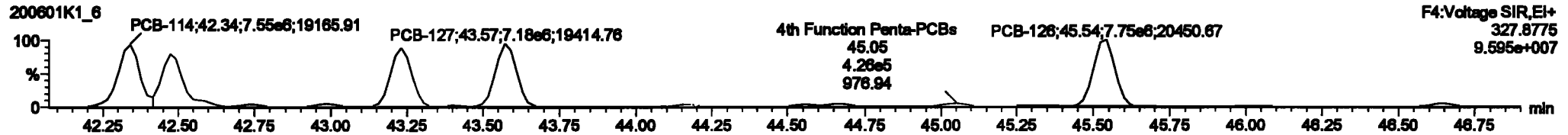
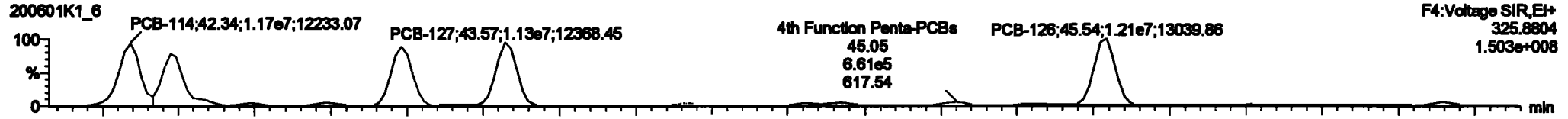


Dataset: Untitled

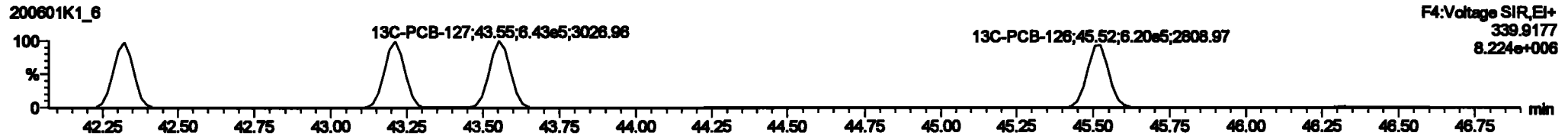
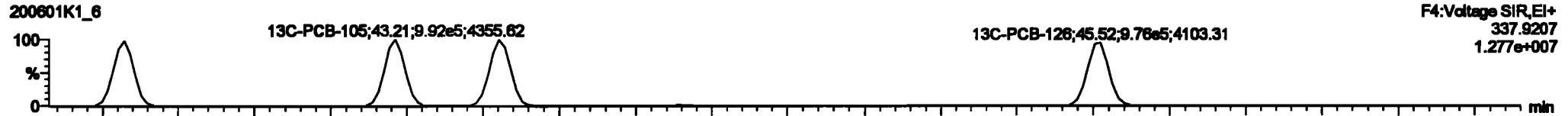
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_6, Date: 01-Jun-2020, Time: 17:21:13, ID: ST200601K1-6 PCB 209 CS5 19G2611, Description: PCB 209 CS5 19G2611

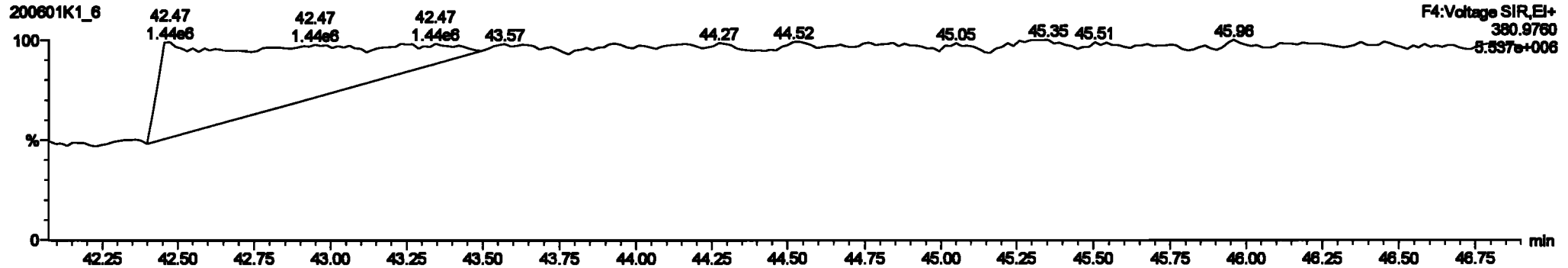
**PCB-114**



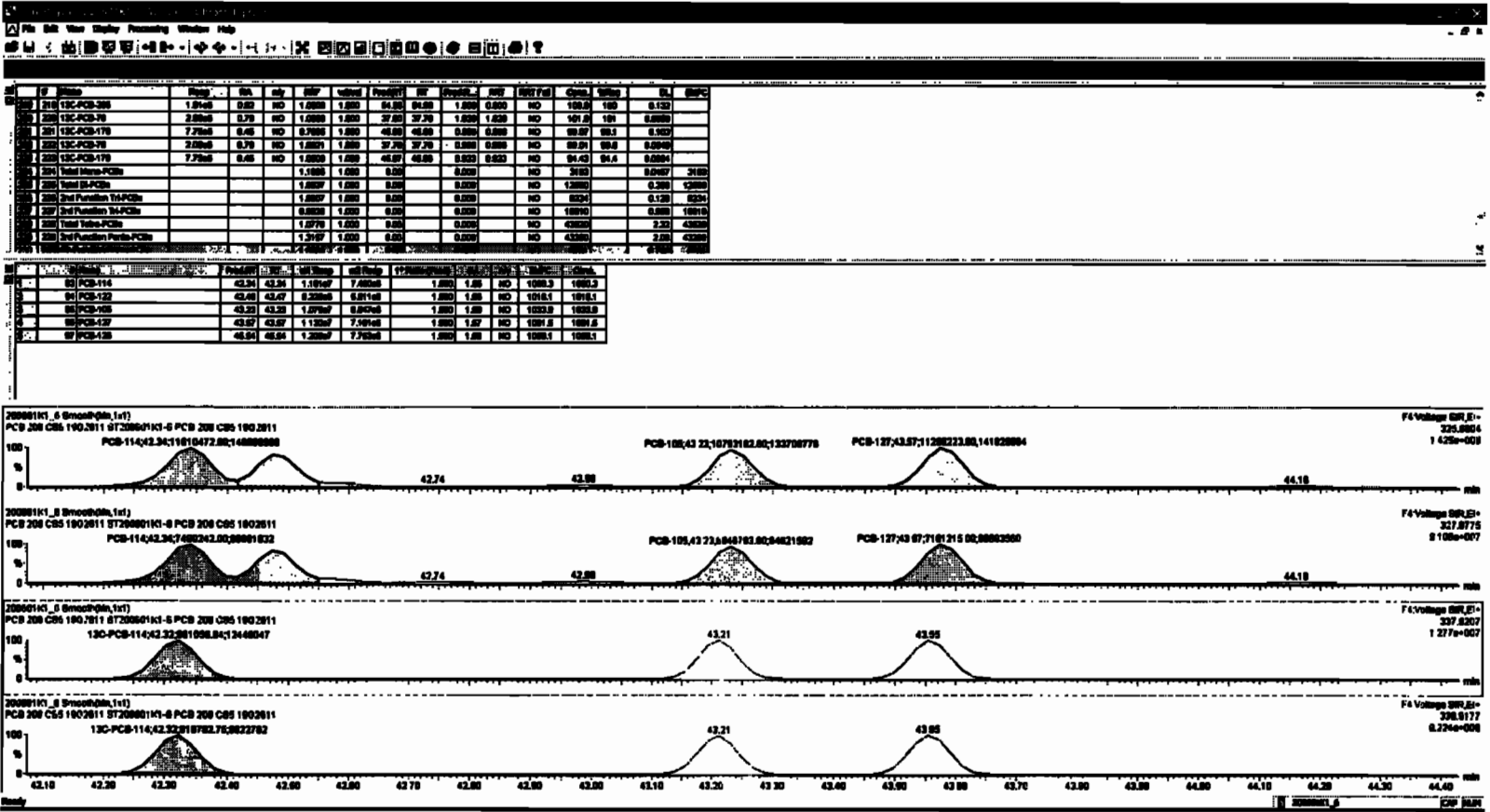
**13C-PCB-114**



**PFK4a**







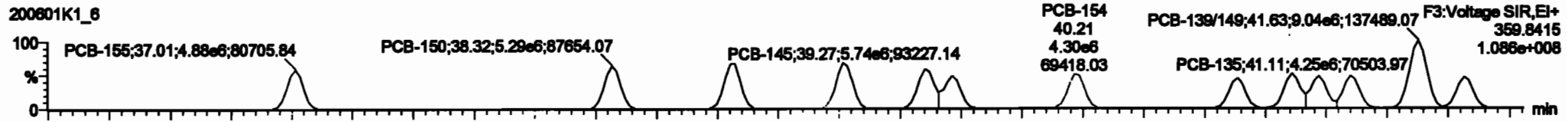
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

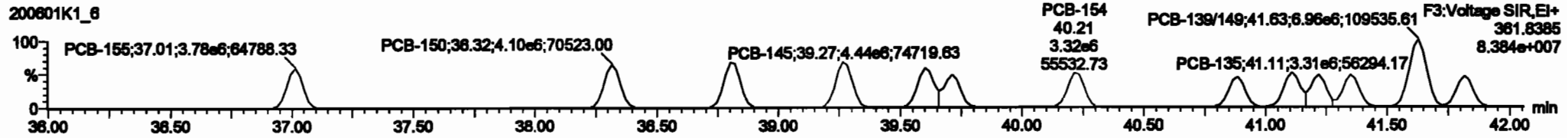
Name: 200601K1\_6, Date: 01-Jun-2020, Time: 17:21:13, ID: ST200601K1-6 PCB 209 CS5 19G2611, Description: PCB 209 CS5 19G2611

PCB-155

200601K1\_6

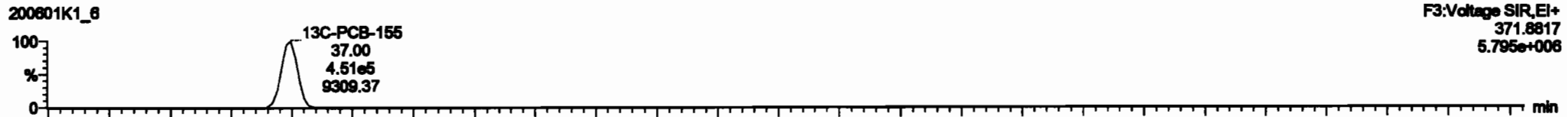


200601K1\_6

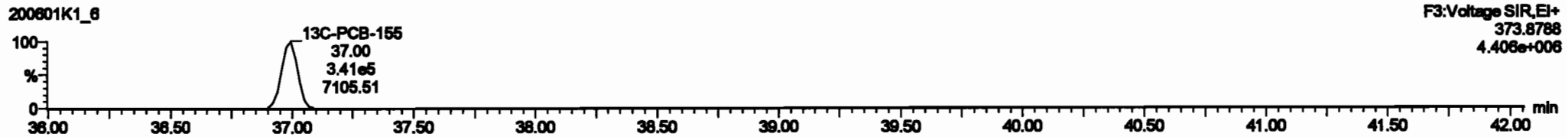


13C-PCB-155

200601K1\_6

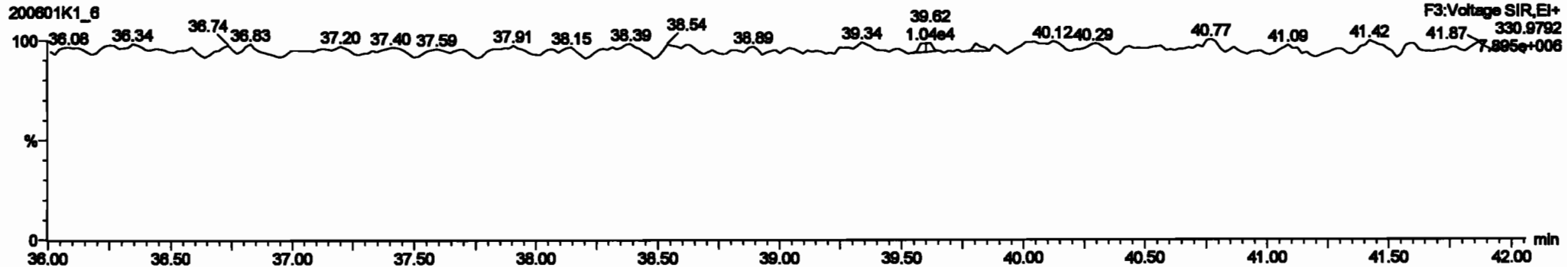


200601K1\_6



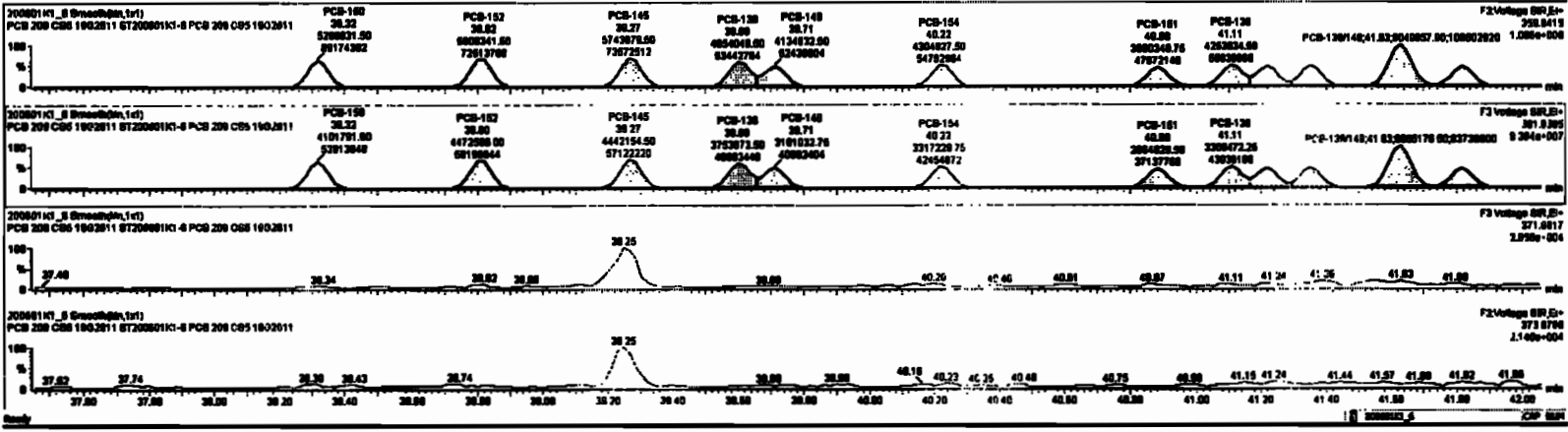
PFK3c

200601K1\_6



#	Name	Step	Time	Qty	Rate	Amount	Unit	Cost	Unit Cost	Class	Code	QTY	Value
220	2200000000000000000				1.0000	1.0000	0.00	0.0000	ND	20770	0.00	0.00	20770
221	2210000000000000000				1.0000	1.0000	0.00	0.0000	ND	20770	0.33	20930	
224	2240000000000000000				1.0000	1.0000	0.00	0.0000	ND	9700	1.00	9700	
225	2250000000000000000				1.4000	1.8000	0.00	0.0000	ND	3140	1.10	3140	
226	2260000000000000000				0.0000	1.0000	0.00	0.0000	ND	2084	0.707	2084	
227	2270000000000000000				0.0000	1.0000	0.00	0.0000	ND	1043	0.0900	1043	
228	2280000000000000000												
229	2290000000000000000												
230	2300000000000000000												
231	2310000000000000000												
232	2320000000000000000												
233	2330000000000000000												
234	2340000000000000000												
235	2350000000000000000												
236	2360000000000000000												

#	Name	Step	Time	Qty	Rate	Amount	Unit	Cost	Unit Cost	Class	Code	QTY	Value
1	100 PCB-150		37.03	37.03	4.0700	3.7700	1.200	1.20	ND	1004.8	1004.8		
2	100 PCB-152		38.00	38.00	5.2000	4.9200	1.200	1.20	ND	1004.7	1004.7		
3	100 PCB-152		38.00	38.00	6.0800	4.6700	1.200	1.20	ND	1004.3	1004.3		
4	100 PCB-142		38.00	38.00	5.7400	4.4400	1.200	1.20	ND	1004.3	1004.3		
5	100 PCB-138		38.00	38.00	4.0000	3.7800	1.200	1.20	ND	1004.8	1004.8		
6	100 PCB-149		38.72	38.71	4.1200	3.9000	1.200	1.20	ND	1004.7	1004.7		
7	100 PCB-154		40.22	40.22	4.3000	3.2100	1.200	1.20	ND	1007.8	1007.8		
8	100 PCB-151		40.00	40.00	3.8000	2.8000	1.200	1.20	ND	1004.8	1004.8		
9	100 PCB-138		41.11	41.11	4.2000	3.2000	1.200	1.20	ND	1004.3	1004.3		
10	100 PCB-138		41.11	41.11	4.2000	3.2000	1.200	1.20	ND	1004.3	1004.3		

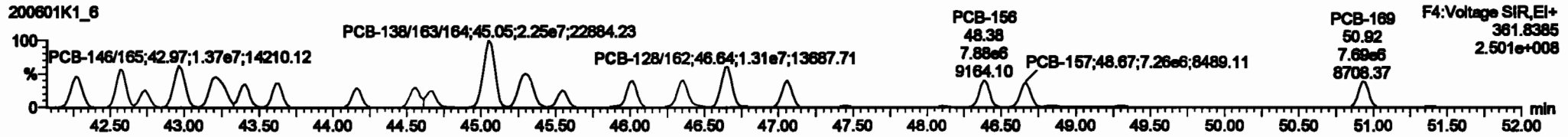
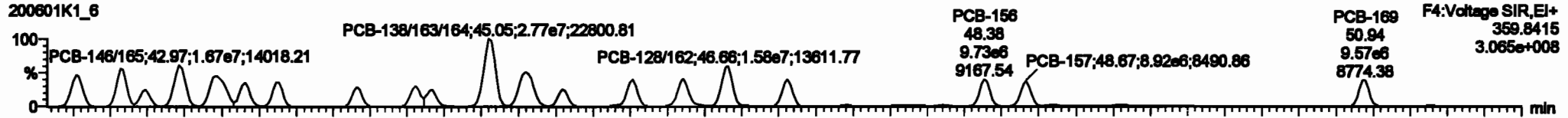


Dataset: Untitled

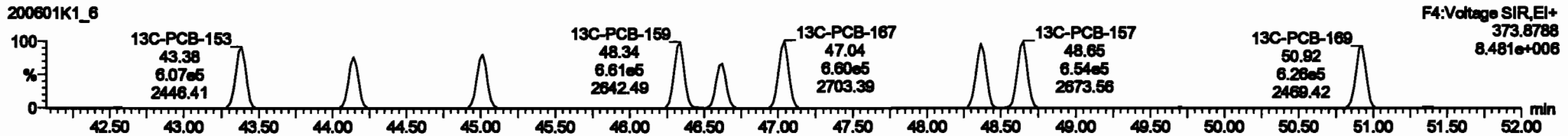
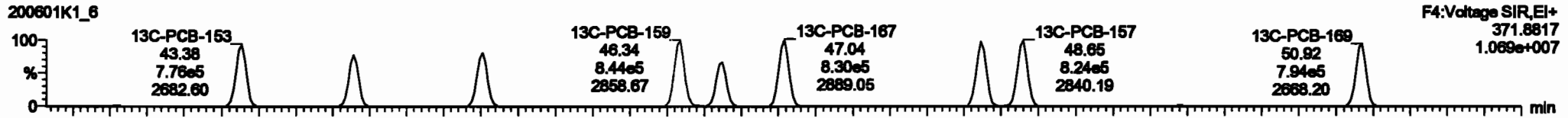
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_6, Date: 01-Jun-2020, Time: 17:21:13, ID: ST200601K1-6 PCB 209 CS5 19G2611, Description: PCB 209 CS5 19G2611

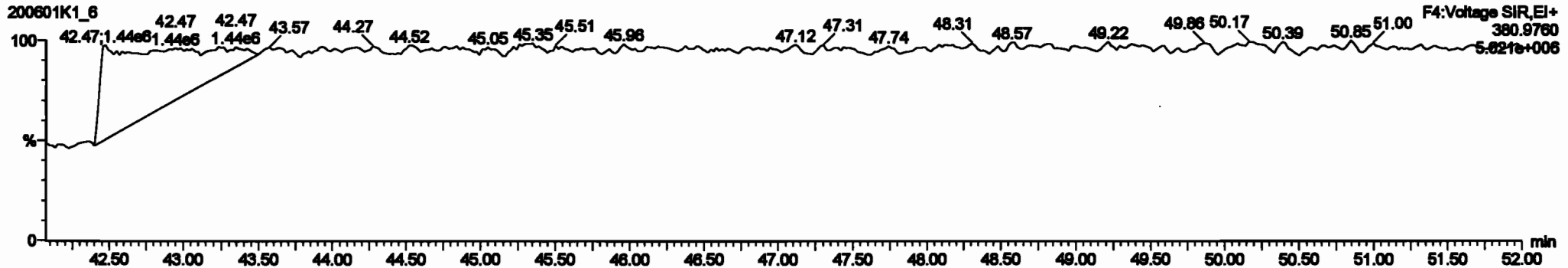
PCB-134/143



13C-PCB-153

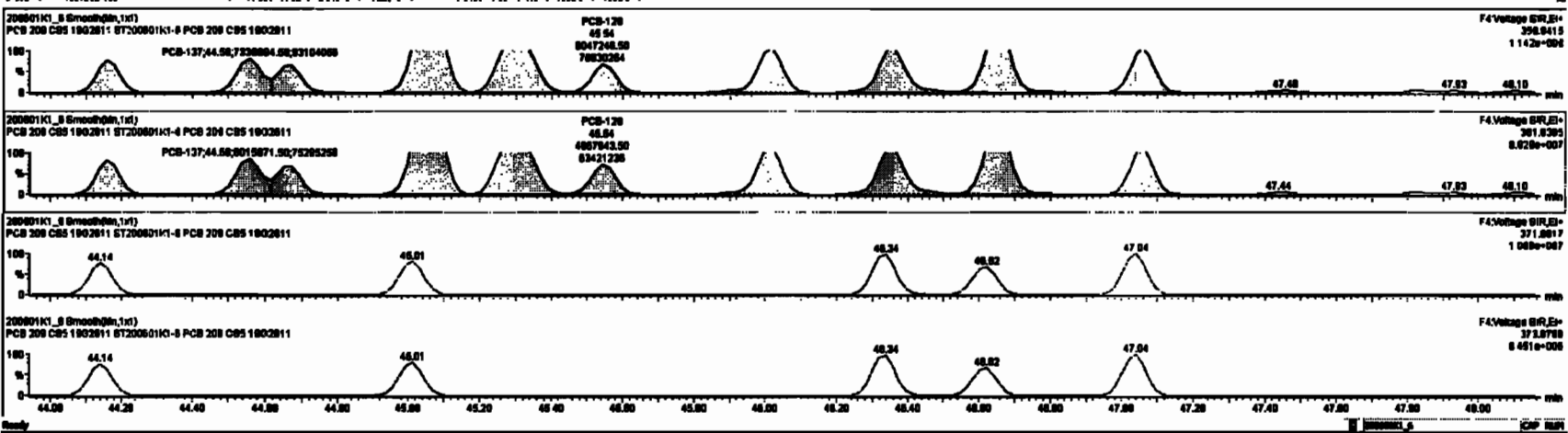


PFK4b



#	Step	RA	dy	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF
221	2nd Function Home-PCBs	0.0000	1.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00
222	Total Home-PCBs	1.0000	1.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00
223	Total Home-PCBs	1.0000	1.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00
224	4th Function Out-PCBs	1.0000	1.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00
225	Total Home-PCBs	0.0000	1.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00
226	Total Home-PCBs	0.0000	1.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00
227	Home-OS	0.0000	1.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00
228	Total PCBs	0.0000	1.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00
229	Total Home-Substeps																	
230	Total OS-Substeps																	
231	2nd Function Test-Substeps																	
232	2nd Function Test-Substeps																	

#	Step	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF
111	PCB-130R-03	42.20	42.20	1.277e7	1.020e7	1.240	1.24	NO	2100.0	2100.0								
112	PCB-131R-03	42.00	42.07	1.274e7	1.110e7	1.240	1.20	NO	2100.0	2100.0								
113	PCB-142	42.74	42.74	8.801e6	4.820e6	1.240	1.21	NO	1047.0	1047.0								
114	PCB-140R-05	42.00	42.07	1.200e7	1.271e7	1.240	1.20	NO	2101.0	2101.0								
115	PCB-130R-01	42.20	42.21	1.072e7	1.240e7	1.240	1.24	NO	2100.0	2100.0								
116	PCB-140	42.00	42.40	8.801e6	7.000e6	1.240	1.24	NO	1050.0	1050.0								
117	PCB-100	42.00	42.03	8.077e6	7.213e6	1.240	1.20	NO	1050.0	1050.0								
118	PCB-141	44.10	44.10	6.700e6	6.400e6	1.240	1.24	NO	1052.0	1052.0								
119	PCB-137	44.00	44.00	7.300e6	8.010e6	1.240	1.20	NO	1050.0	1050.0								



Dataset: Untitled

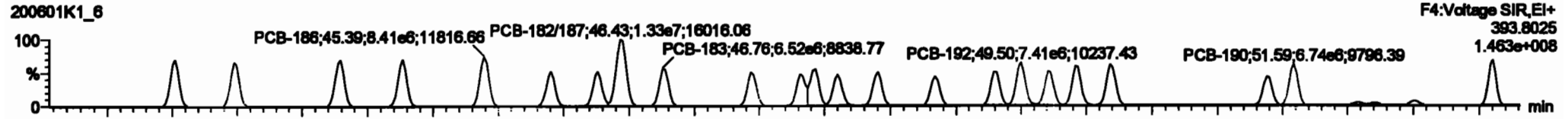
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

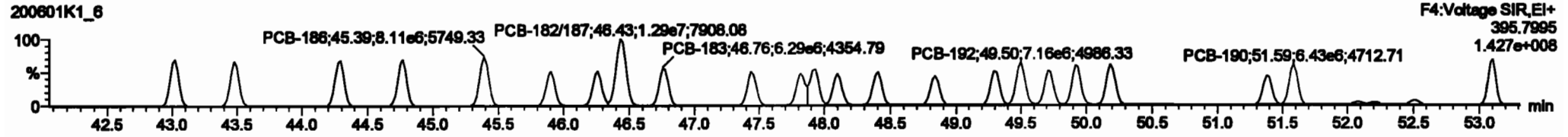
Name: 200601K1\_6, Date: 01-Jun-2020, Time: 17:21:13, ID: ST200601K1-6 PCB 209 CS5 19G2811, Description: PCB 209 CS5 19G2811

**PCB-188**

200601K1\_6

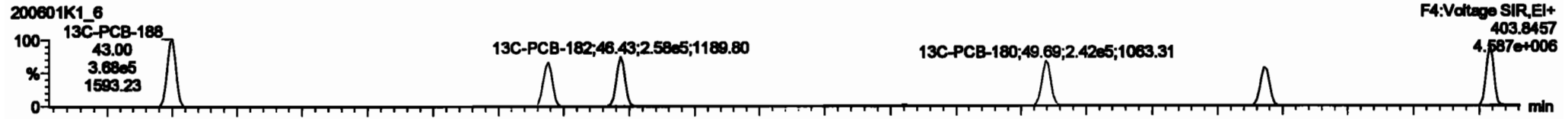


200601K1\_6

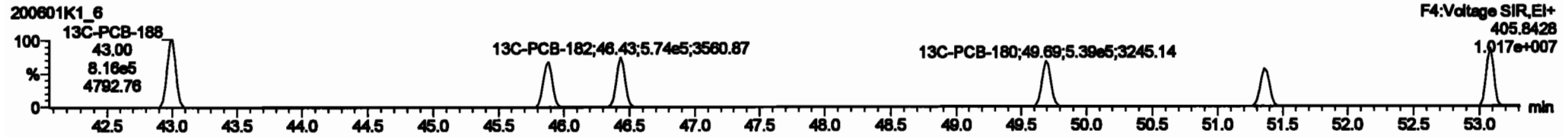


**13C-PCB-188**

200601K1\_6

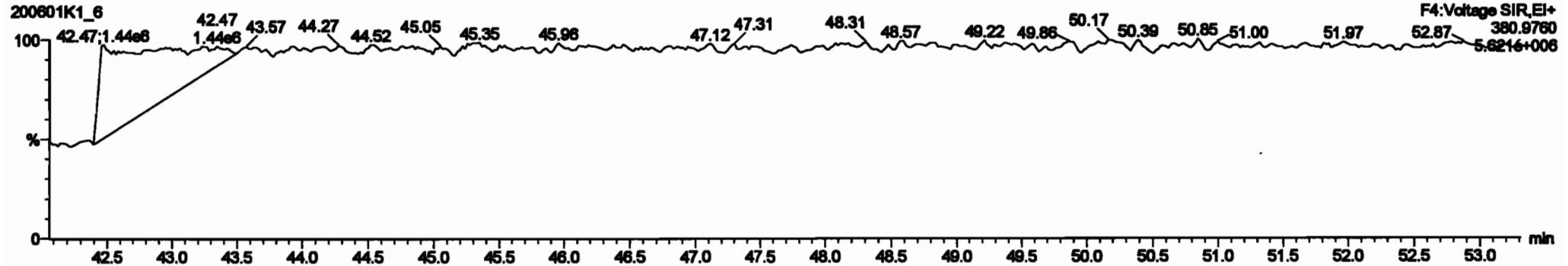


200601K1\_6



**PFK4c**

200601K1\_6



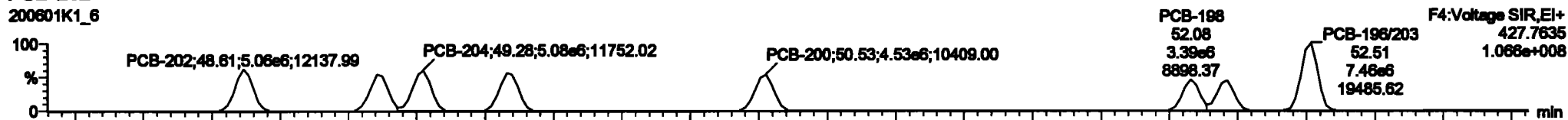
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

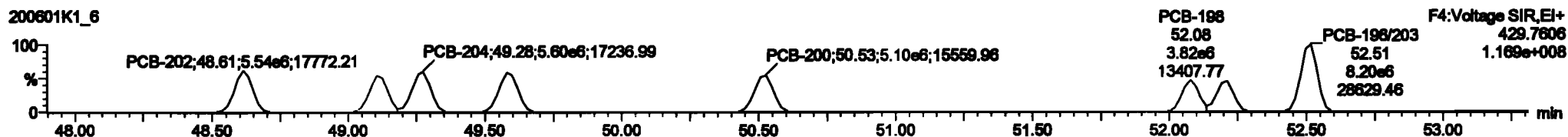
Name: 200601K1\_6, Date: 01-Jun-2020, Time: 17:21:13, ID: ST200601K1-6 PCB 209 CS5 19G2611, Description: PCB 209 CS5 19G2611

**PCB-202**

200601K1\_6

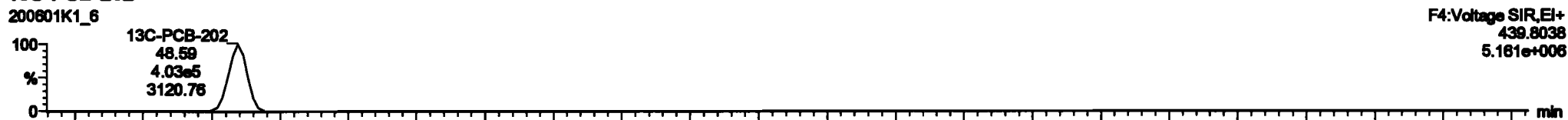


200601K1\_6

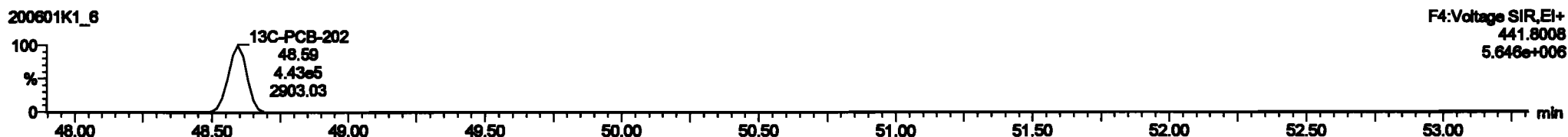


**13C-PCB-202**

200601K1\_6

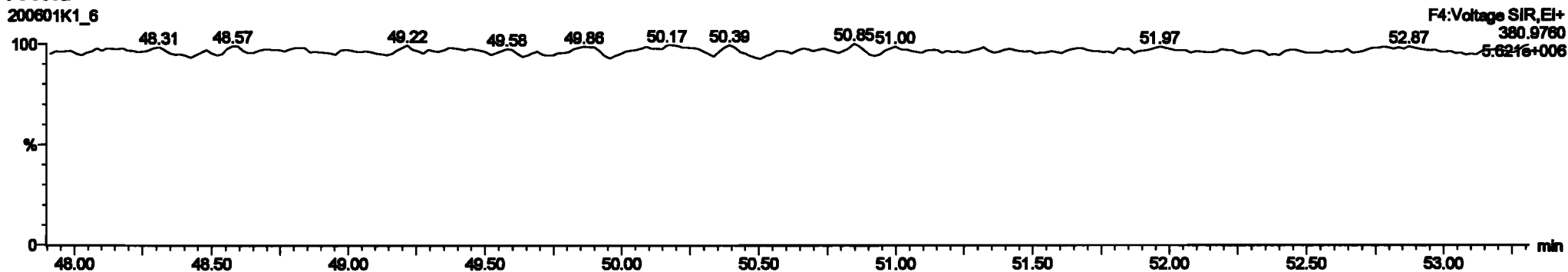


200601K1\_6



**PFK4d**

200601K1\_6



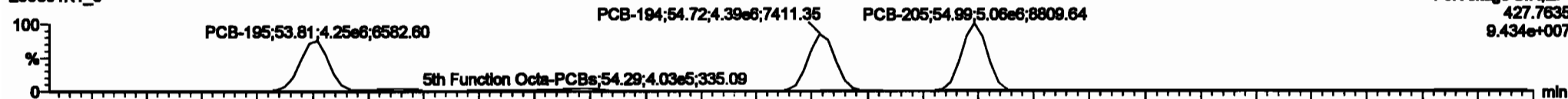
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

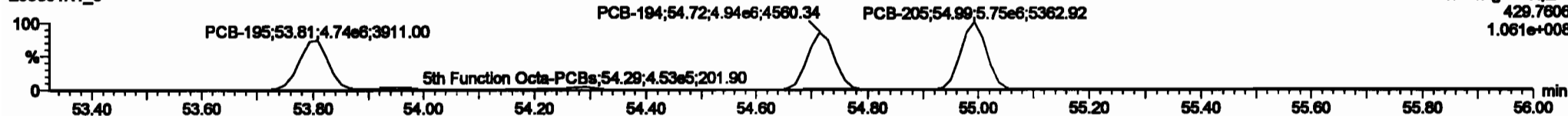
Name: 200601K1\_6, Date: 01-Jun-2020, Time: 17:21:13, ID: ST200601K1-6 PCB 209 CS5 19G2611, Description: PCB 209 CS5 19G2611

**PCB-195**

200601K1\_6

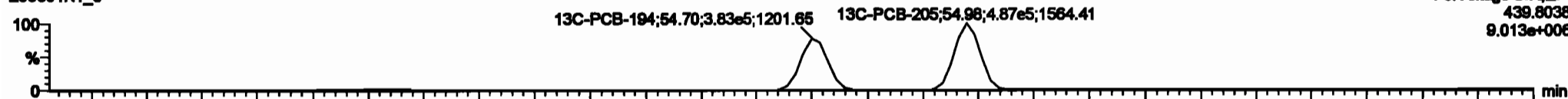


200601K1\_6

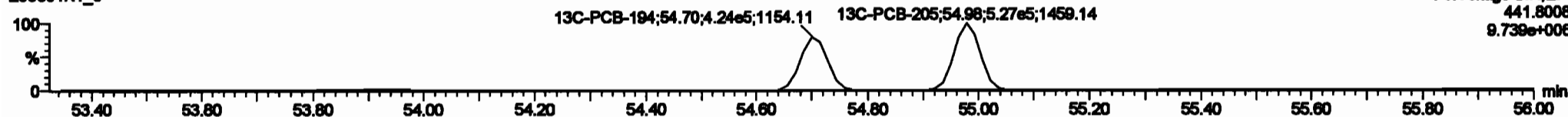


**13C-PCB-194**

200601K1\_6

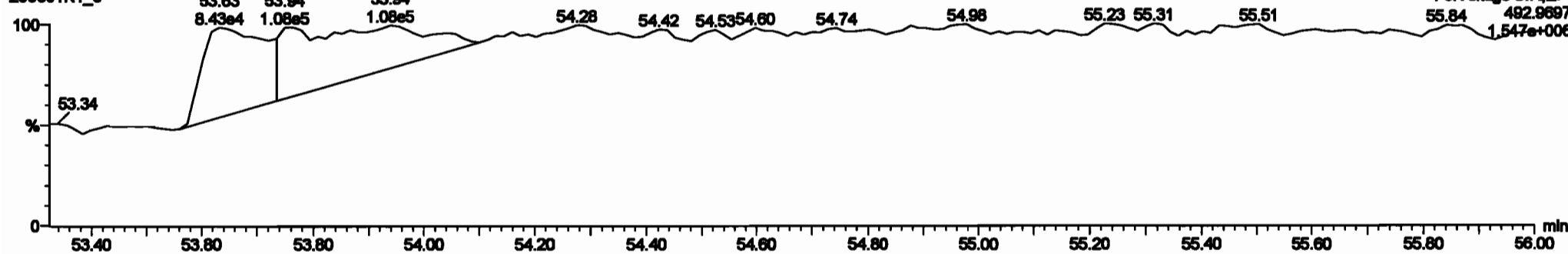


200601K1\_6



**PFK5a**

200601K1\_6



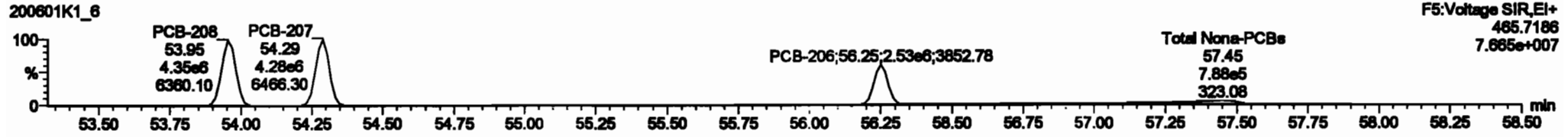
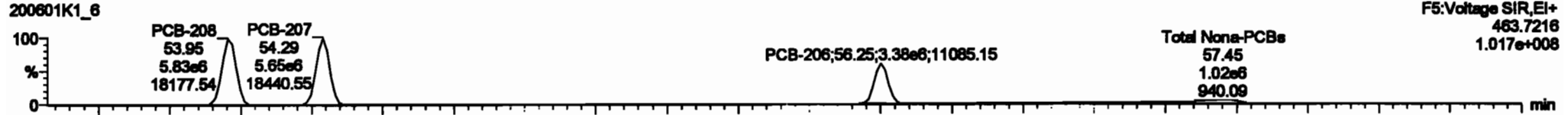


Dataset: Untitled

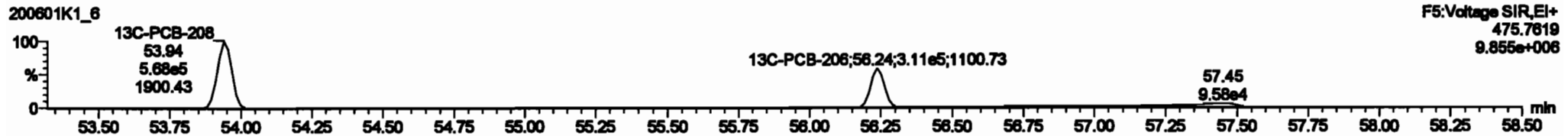
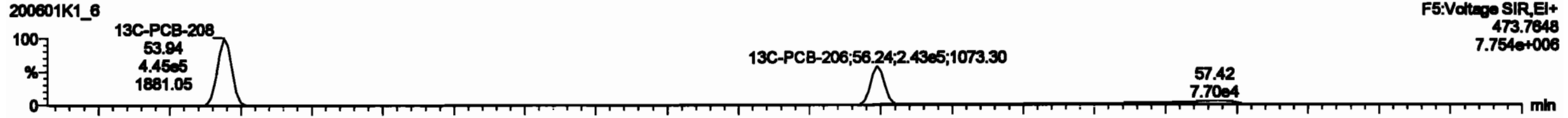
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_6, Date: 01-Jun-2020, Time: 17:21:13, ID: ST200601K1-6 PCB 209 CS5 19G2611, Description: PCB 209 CS5 19G2611

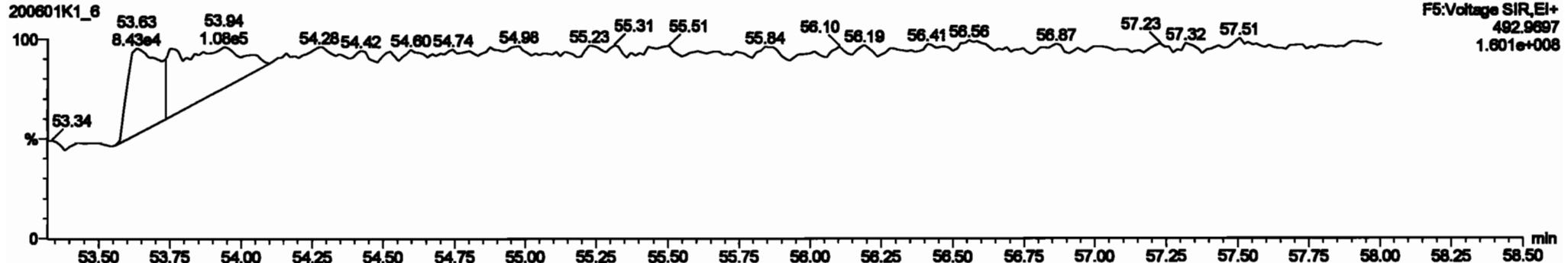
**PCB-208**



**13C-PCB-208**



**PFK5**



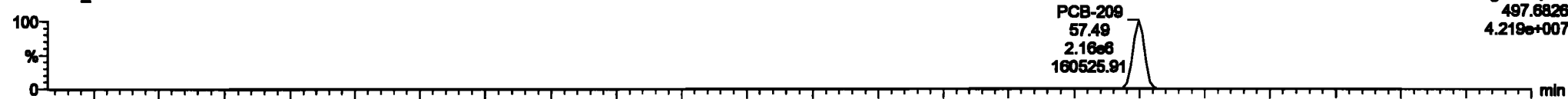
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

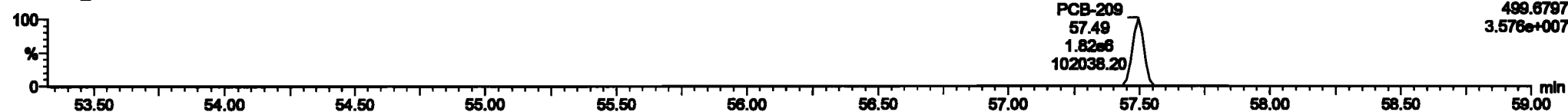
Name: 200601K1\_6, Date: 01-Jun-2020, Time: 17:21:13, ID: ST200601K1-6 PCB 209 CS5 19G2611, Description: PCB 209 CS5 19G2611

**PCB-209**

200601K1\_6

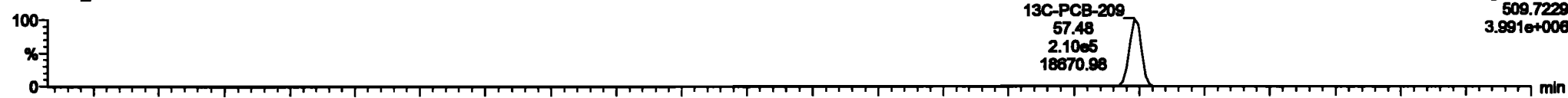


200601K1\_6

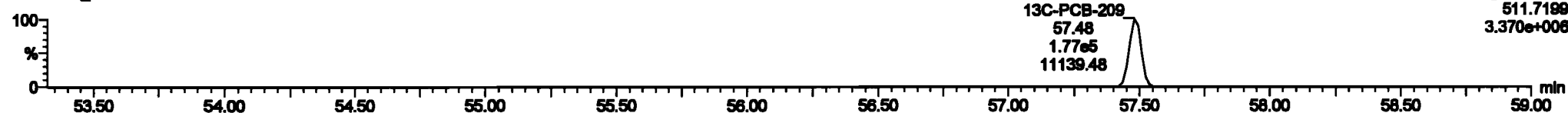


**13C-PCB-209**

200601K1\_6

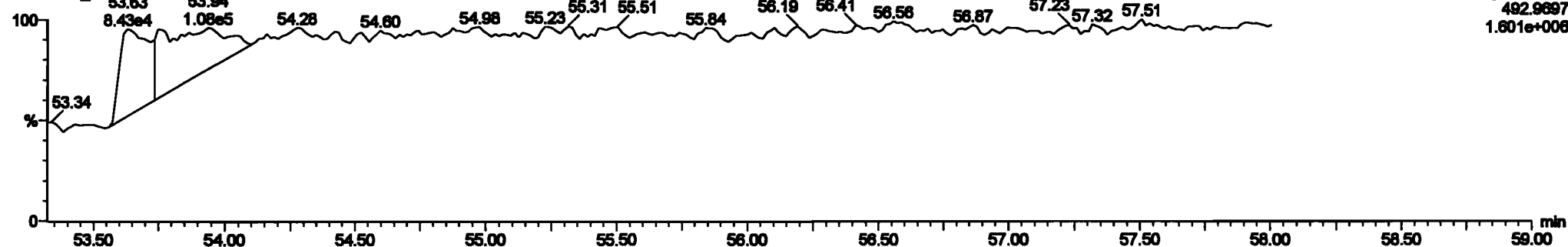


200601K1\_6



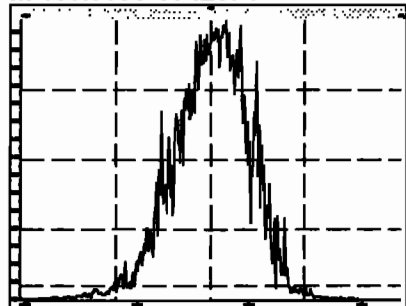
**PFK5b**

200601K1\_6

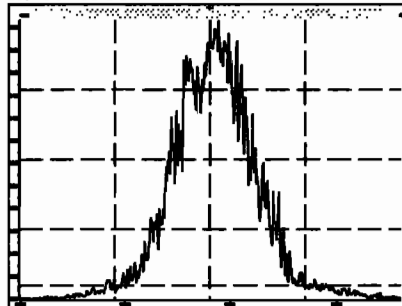


Printed: Tuesday, June 02, 2020 02:33:38 Pacific Daylight Time

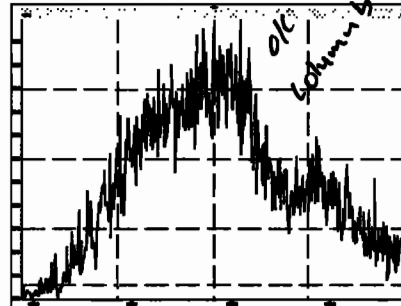
M 168.9888 R 12074



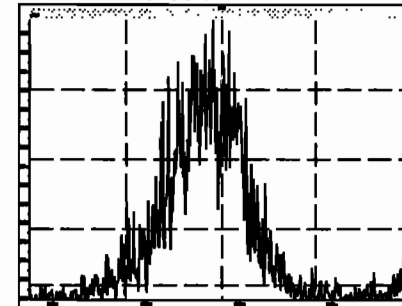
M 180.9888 R 10992



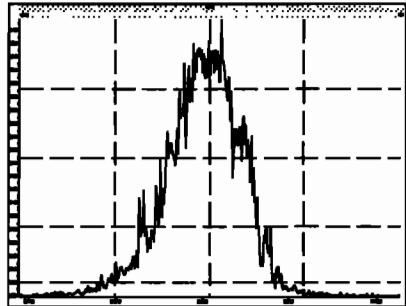
M 192.9888 R 0



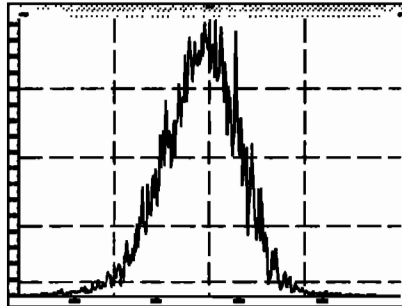
M 204.9888 R 14010



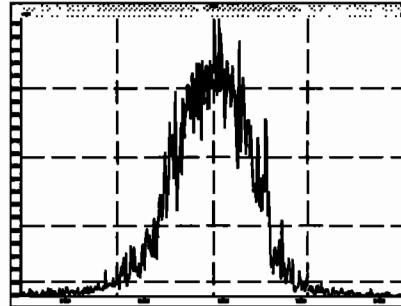
M 218.9856 R 11112



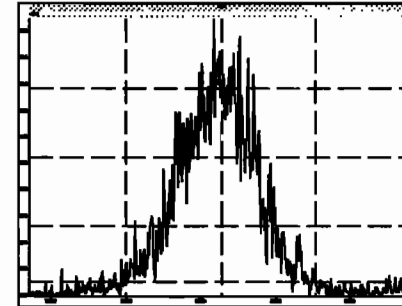
M 230.9856 R 12243



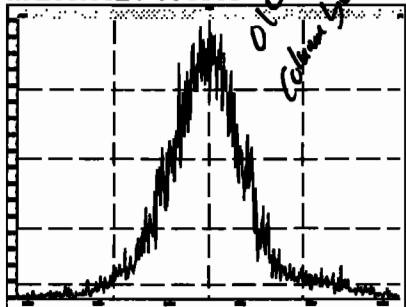
M 242.9856 R 12373



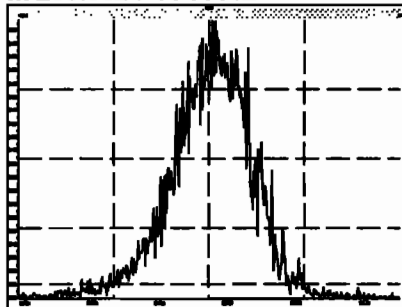
M 254.9856 R 11834



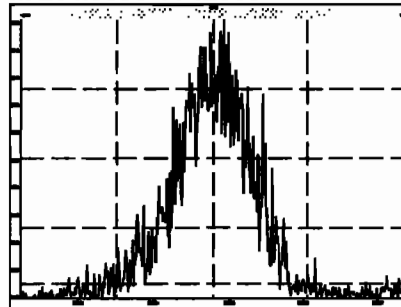
M 268.9824 R 9960



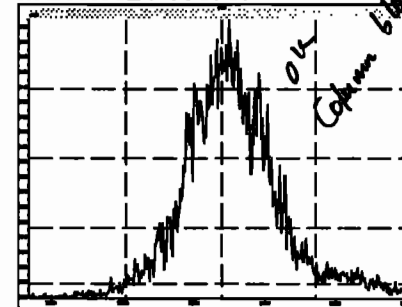
M 280.9824 R 11142



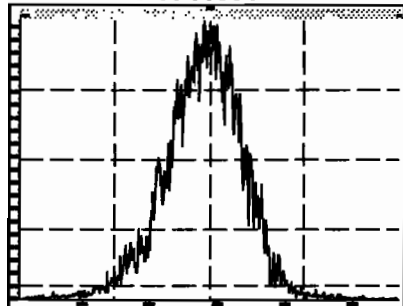
M 254.9856 R 12563



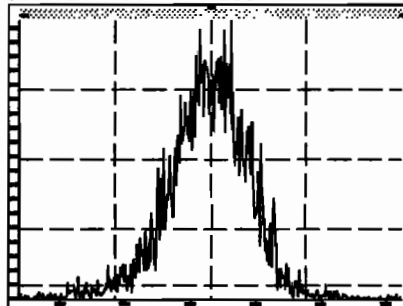
M 268.9824 R 8787



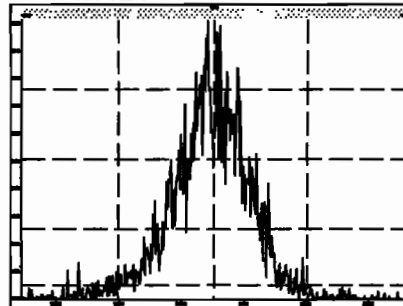
M 280.9824 R 11061



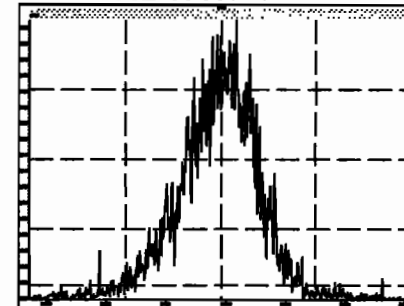
M 292.9824 R 12537



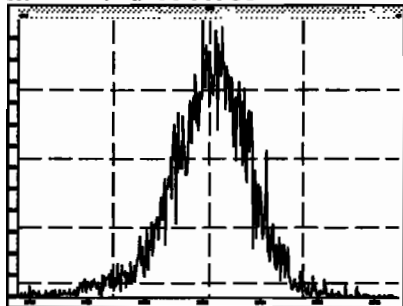
M 304.9824 R 11934



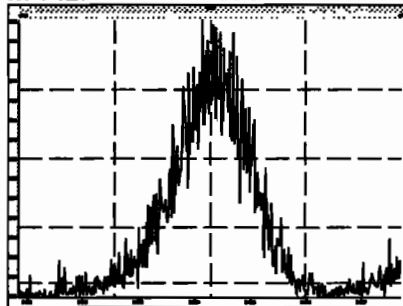
M 318.9792 R 11884



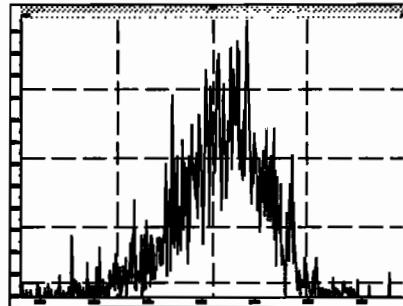
M 330.9792 R 11739



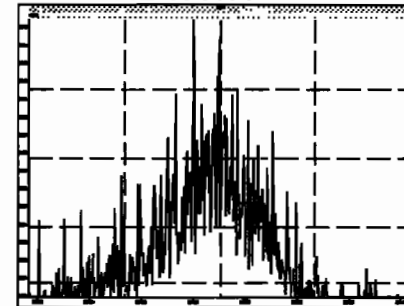
M 342.9792 R 11684



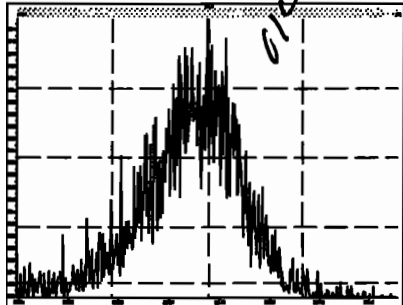
M 354.9792 R 12435



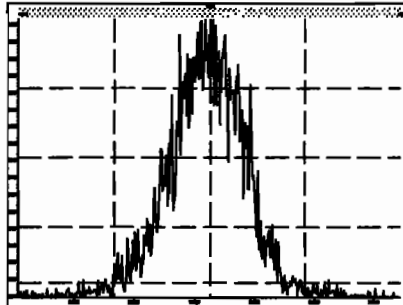
M 366.9792 R 14946



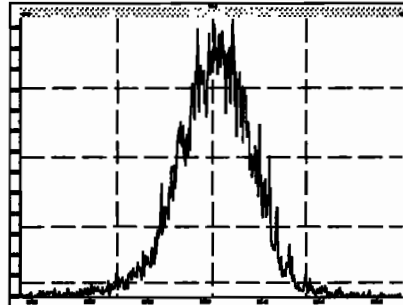
M 380.9760 R 9943



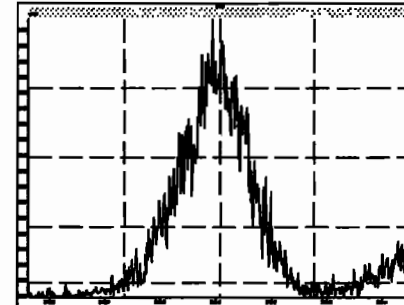
M 318.9792 R 12965



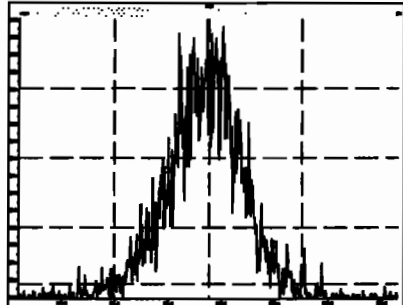
M 330.9792 R 11994



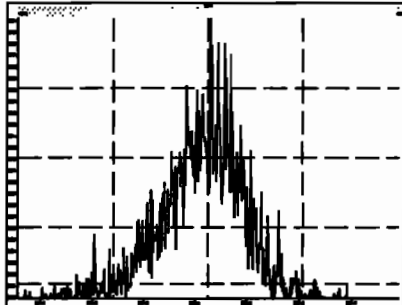
M 342.9792 R 12362



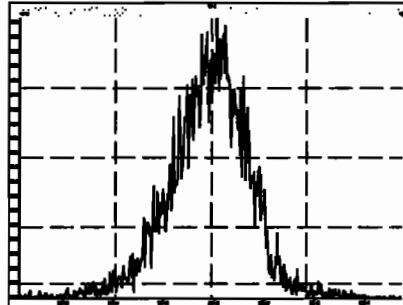
M 354.9792 R 12987



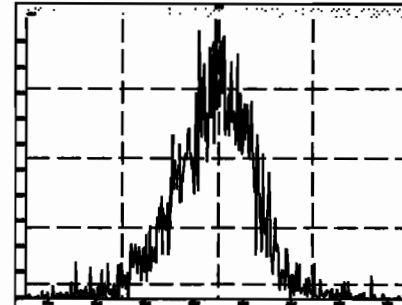
M 366.9792 R 13158



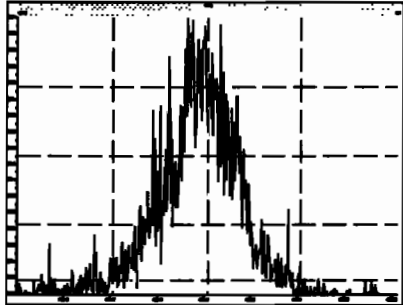
M 380.9760 R 12073



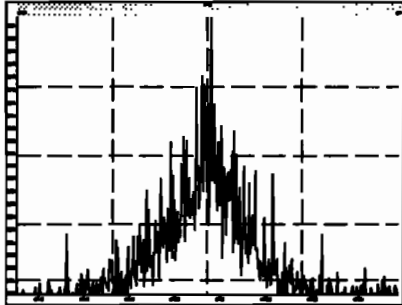
M 392.9760 R 12563



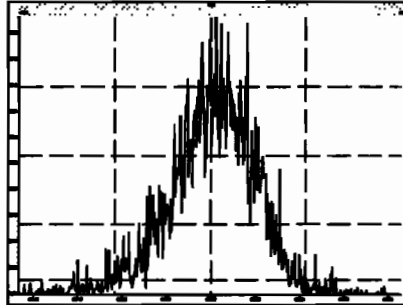
M 404.9760 R 12606



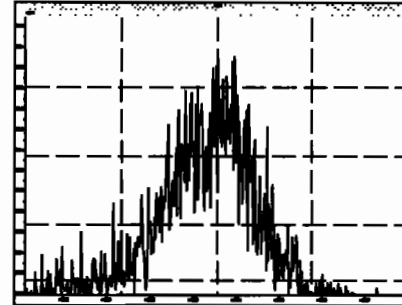
M 416.9760 R 14256



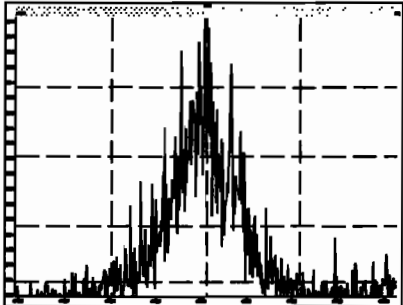
M 430.9728 R 12412



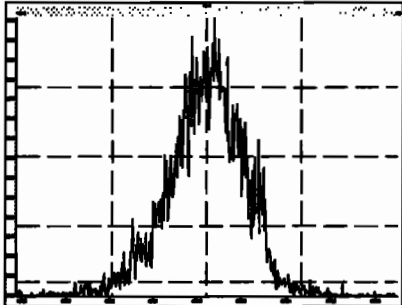
M 442.9728 R 13628



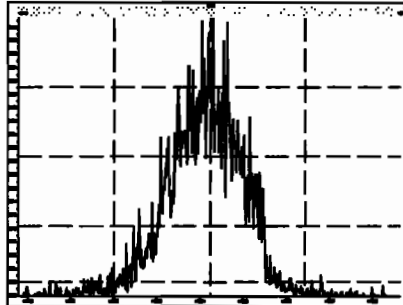
M 416.9760 R 17080



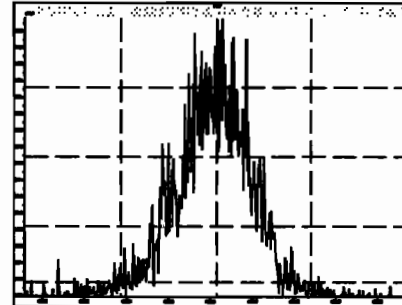
M 430.9728 R 12224



M 442.9728 R 13021

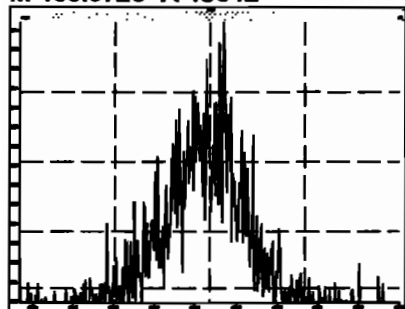


M 454.9728 R 14353

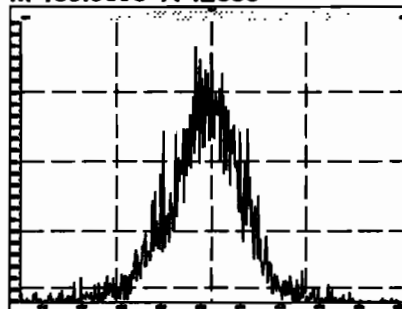


Printed: Tuesday, June 02, 2020 02:33:38 Pacific Daylight Time

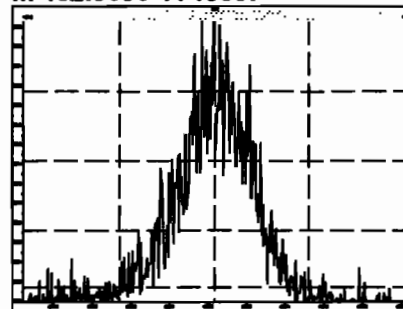
M 466.9728 R 15642



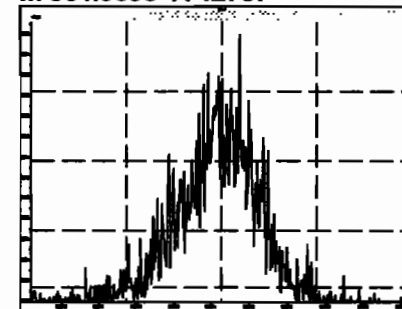
M 480.9696 R 12883



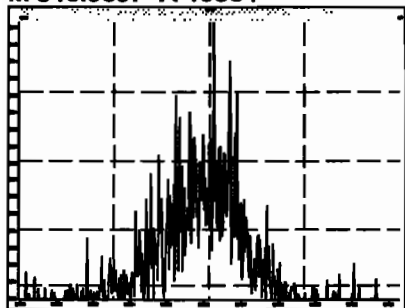
M 492.9696 R 13097



M 504.9696 R 12787



M 516.9697 R 19564



Dataset: U:\VG11.PRO\Results\200601K1\200601K1-7.qld

Last Altered: Tuesday, June 02, 2020 11:36:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 11:37:29 Pacific Daylight Time

*h 5.2.200*

*06/02/2020*

Method: Untitled 02 Jun 2020 10:36:07

Calibration: U:\VG11.PRO\CurveDB\vb1\_PCBvg11-6-1-20.cdb 02 Jun 2020 10:21:16

Name: 200601K1\_7, Date: 01-Jun-2020, Time: 18:21:53, ID: SS200601K1-1 PCB 209 SS 19G2612, Description: PCB 209 SS 19G2612

#	Name	Resp	RA	RI	RRF	wt/wt	Prod.RT	RT	Prod.RI	RII	Check RFI	Conc	WRec	DI	EMPC
1	1 PCB-1	2.54e6	3.08	NO	1.17	1.000	15.53	15.54	1.001	1.001	NO	98.29	<i>90-130</i>	0.00958	98.29
2	2 PCB-2			NO	1.18	1.000	17.95		0.988		YES			0.00963	
3	3 PCB-3	2.60e6	3.06	NO	1.15	1.000	18.18	18.19	1.001	1.001	NO	99.67	<i>70-120x</i>	0.00992	99.67
4	4 PCB-4/10	3.74e6	1.54	NO	1.25	1.000	19.61	19.60	1.004	1.004	NO	203.1	<i>125-225</i>	0.0422	203.1
5	5 PCB-7/9	2.33e6	1.55	NO	0.960	1.000	21.41	21.37	1.003	1.001	NO	101.6	<i>70-130</i>	0.0331	101.6
6	6 PCB-6			NO	1.02	1.000	22.06		1.033		YES			0.0311	
7	7 PCB-5/8	2.40e6	1.55	NO	0.992	1.000	22.46	22.46	1.052	1.052	NO	100.9	<i>70-130</i>	0.0320	100.9
8	8 PCB-14			NO	1.02	1.000	23.61		0.952		YES			0.0337	
9	9 PCB-11	2.29e6	1.57	NO	1.13	1.000	24.82	24.82	1.001	1.001	NO	87.28	<i>70-130</i>	0.0304	87.28
10	10 PCB-12/13	2.21e6	1.56	NO	1.03	1.000	25.26	25.26	1.018	1.018	NO	92.77		0.0333	92.77
11	11 PCB-15	2.35e6	1.56	NO	1.03	1.000	25.57	25.55	1.031	1.030	NO	97.71		0.0331	97.71
12	12 PCB-19	6.50e5	1.03	NO	1.11	1.000	23.79	23.79	1.001	1.001	NO	47.23	<i>75-165</i>	0.0234	47.23
13	13 PCB-30			NO	1.79	1.000	24.69		1.039		YES			0.0144	
14	14 PCB-18	6.76e5	1.02	NO	0.618	1.000	25.47	25.47	0.952	0.952	NO	45.50		0.0216	45.50
15	15 PCB-17			NO	0.758	1.000	25.64		0.958		YES			0.0233	
16	16 PCB-24/27			NO	1.08	1.000	26.26		0.981		YES			0.0163	
17	17 PCB-16/32			NO	0.925	1.000	26.79		1.001		YES			0.0191	
18	18 PCB-34			NO	0.945	1.000	27.58		0.959		YES			0.0221	
19	19 PCB-23			NO	0.883	1.000	27.67		0.982		YES			0.0236	
20	20 PCB-29			NO	0.893	1.000	27.93		0.971		YES			0.0234	
21	21 PCB-26			NO	0.944	1.000	28.16		0.979		YES			0.0221	
22	22 PCB-25			NO	0.950	1.000	28.31		0.984		YES			0.0220	
23	23 PCB-31	9.20e5	1.02	NO	1.04	1.000	28.68	28.70	0.997	0.997	NO	42.66		0.0201	42.66
24	24 PCB-28	9.58e5	1.07	NO	1.03	1.000	28.79	28.79	1.001	1.001	NO	44.94		0.0204	44.94
25	25 PCB-20/21/33	6.95e5	1.05	NO	0.941	1.000	29.43	29.46	1.023	1.024	NO	45.73	<i>45.7</i>	0.0222	45.73
26	26 PCB-22			NO	0.973	1.000	29.67		1.036		YES			0.0215	
27	27 PCB-36			NO	1.08	1.000	30.52		0.931		YES			0.0219	
28	28 PCB-39			NO	0.988	1.000	31.00		0.946		YES			0.0238	
29	29 PCB-38	6.46e5	1.05	NO	1.05	1.000	31.80	31.76	0.970	0.970	NO	43.25	<i>75-165</i>	0.0224	43.25
30	30 PCB-35	6.58e5	1.03	NO	1.04	1.000	32.34	32.32	0.987	0.986	NO	44.23		0.0226	44.23
31	31 PCB-37	6.92e5	1.05	NO	1.01	1.000	32.79	32.79	1.001	1.001	NO	47.59		0.0233	47.59
32	32 PCB-54	6.31e5	0.78	NO	1.08	1.000	27.64	27.64	1.001	1.001	NO	47.67	<i>7</i>	0.0216	47.67

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-7.qld

Last Altered: Tuesday, June 02, 2020 11:36:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 11:37:29 Pacific Daylight Time

Name: 200601K1\_7, Date: 01-Jun-2020, Time: 18:21:53, ID: SS200601K1-1 PCB 209 SS 19G2612, Description: PCB 209 SS 19G2612

#	Name	Resp	FA	n/y	RPD	w/nd	Prod RT	RT	Prod CR	RRT	Check RRT	Comp	U/B	DI	EMPC
33	33 PCB-50			NO	0.880	1.000	28.83		1.044		YES		35-65	0.0265	
34	34 PCB-53			NO	0.997	1.000	29.50		0.944		YES			0.0295	
35	35 PCB-51			NO	1.07	1.000	29.85		0.955		YES			0.0276	
36	36 PCB-45			NO	0.858	1.000	30.30		0.989		YES			0.0342	
37	37 PCB-46			NO	0.831	1.000	30.80		0.985		YES			0.0354	
38	38 PCB-52/69	6.95e5	0.76	NO	1.17	1.000	31.30	31.28	1.001	1.001	NO	46.22		0.0252	46.22
39	39 PCB-73			NO	1.44	1.000	31.41		1.005		YES			0.0204	
40	40 PCB-43/49	6.32e5	0.79	NO	1.02	1.000	31.59	31.60	1.010	1.011	NO	48.32		0.0289	48.32
41	41 PCB-47			NO	0.922	1.000	31.80		1.001		YES			0.0299	
42	42 PCB-48/75			NO	1.12	1.000	31.92		1.004		YES			0.0246	
43	43 PCB-65			NO	1.28	1.000	32.19		1.013		YES			0.0215	
44	44 PCB-62			NO	1.13	1.000	32.29		1.016		YES			0.0244	
45	45 PCB-44	5.42e5	0.76	NO	0.824	1.000	32.62	32.62	1.026	1.028	NO	47.17		0.0334	47.17
46	46 PCB-42/59			NO	1.05	1.000	32.85		1.033		YES			0.0262	
47	47 PCB-41/64/71/72			NO	1.19	1.000	33.47		1.053		YES			0.0232	
48	48 PCB-68			NO	1.28	1.000	33.72		1.061		YES			0.0215	
49	49 PCB-40			NO	0.602	1.000	33.95		1.068		YES			0.0457	
50	50 PCB-57	8.11e5	0.77	NO	1.16	1.000	34.32	34.32	0.989	0.969	NO	43.84		0.0211	43.84
51	51 PCB-67			NO	1.08	1.000	34.63		0.978		YES			0.0226	
52	52 PCB-58			NO	1.20	1.000	34.74		0.981		YES			0.0204	
53	53 PCB-63			NO	1.07	1.000	34.91		0.986		YES			0.0229	
54	54 PCB-74	8.49e5	0.79	NO	1.19	1.000	35.22	35.21	0.994	0.994	NO	45.03		0.0207	45.03
55	55 PCB-61/70	8.69e5	0.77	NO	1.05	1.000	35.43	35.43	1.000	1.001	NO	51.83		0.0233	51.83
56	56 PCB-76/66	8.24e5	0.78	NO	1.16	1.000	35.62	35.66	1.006	1.007	NO	44.47		0.0211	44.47
57	57 PCB-80			NO	1.19	1.000	35.86		1.001		YES			0.0204	
58	58 PCB-55			NO	1.17	1.000	36.20		1.010		YES			0.0207	
59	59 PCB-56/60			NO	1.02	1.000	36.70		1.024		YES			0.0238	
60	60 PCB-79	8.18e5	0.79	NO	1.14	1.000	37.80	37.81	1.055	1.055	NO	44.49		0.0213	44.49
61	61 PCB-78	7.39e5	0.78	NO	1.14	1.000	38.52	38.52	0.987	0.987	NO	42.34		0.0232	42.34
62	62 PCB-81	8.37e5	0.77	NO	1.05	1.000	39.06	39.08	1.000	1.000	NO	52.15		0.0252	52.15
63	63 PCB-77	7.93e5	0.78	NO	1.14	1.000	39.68	39.68	1.000	1.000	NO	48.37		0.0237	46.37
64	64 PCB-104	6.77e5	1.57	NO	1.12	1.000	32.47	32.47	1.001	1.001	NO	54.51		0.0255	54.51
65	65 PCB-96			NO	1.15	1.000	33.78		1.041		YES			0.0248	
66	66 PCB-103			NO	0.936	1.000	34.32		1.058		YES			0.0305	
67	67 PCB-100			NO	0.954	1.000	34.69		1.089		YES			0.0300	
68	68 PCB-94			NO	0.949	1.000	35.21		0.985		YES			0.0390	



Dataset: U:\VG11.PRO\Results\200601K1\200601K1-7.qld

Last Altered: Tuesday, June 02, 2020 11:36:30 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 11:37:29 Pacific Daylight Time

Name: 200601K1\_7, Date: 01-Jun-2020, Time: 18:21:53, ID: SS200601K1-1 PCB 209 SS 19G2612, Description: PCB 209 SS 19G2612

#	Name	Resp	RA	NY	RFP	Wt/Fac	Prod.RT	RT	Prod.LI	RRT	Check.RRT	Conc.	%Rec	DL	EMPC
69	69 PCB-95/98/102	4.83e5	1.58	NO	1.20	1.000	35.69	35.75	0.999	1.001	NO	46.51	46.5	0.0307	46.51
70	70 PCB-93			NO	0.935	1.000	35.81		1.002		YES			0.0396	
71	71 PCB-88/91			NO	1.06	1.000	36.16		1.012		YES			0.0347	
72	72 PCB-121			NO	1.71	1.000	36.25		1.015		YES			0.0218	
73	73 PCB-84/92			NO	1.02	1.000	37.10		0.990		YES			0.0377	
74	74 PCB-89			NO	1.11	1.000	37.27		0.995		YES			0.0347	
75	75 PCB-90/101	5.13e5	1.81	NO	1.12	1.000	37.48	37.50	1.000	1.001	NO	54.10		0.0342	54.10
76	76 PCB-113			NO	1.51	1.000	37.72		1.007		YES			0.0253	
77	77 PCB-99	5.21e5	1.60	NO	1.32	1.000	37.81	37.83	1.009	1.010	NO	46.70		0.0290	46.70
78	78 PCB-119			NO	1.81	1.000	38.32		0.987		YES			0.0246	
79	79 PCB-108/112			NO	1.44	1.000	38.47		0.991		YES			0.0308	
80	80 PCB-83			NO	1.83	1.000	38.63		0.995		YES			0.0243	
81	81 PCB-97			NO	1.28	1.000	38.84		1.000		YES			0.0347	
82	82 PCB-86			NO	1.12	1.000	39.01		1.005		YES			0.0398	
83	83 PCB-87/117/125	4.49e5	1.58	NO	1.56	1.000	39.14	39.14	1.008	1.008	NO	38.66	38.7	0.0285	38.66
84	84 PCB-111/115	6.30e5	1.58	NO	1.91	1.000	39.29	39.28	1.012	1.012	NO	44.26		0.0233	44.26
85	85 PCB-85/116			NO	1.41	1.000	39.42		1.015		YES			0.0315	
86	86 PCB-120			NO	2.01	1.000	39.68		1.022		YES			0.0222	
87	87 PCB-110	6.19e5	1.57	NO	1.74	1.000	39.83	39.81	1.026	1.025	NO	47.71		0.0255	47.71
88	88 PCB-82			NO	0.781	1.000	40.48		0.976		YES			0.0410	
89	89 PCB-124			NO	1.40	1.000	41.17		0.993		YES			0.0229	
90	90 PCB-107/109			NO	1.34	1.000	41.31		0.996		YES			0.0239	
91	91 PCB-123	6.07e5	1.57	NO	1.20	1.000	41.48	41.48	1.000	1.000	NO	50.39		0.0267	50.39
92	92 PCB-106/118	6.56e5	1.60	NO	1.22	1.000	41.69	41.67	1.001	1.000	NO	51.95		0.0255	51.95
93	93 PCB-114	6.19e5	1.52	NO	1.14	1.000	42.34	42.34	1.000	1.000	NO	43.57		0.0294	43.57
94	94 PCB-122			NO	0.944	1.000	42.49		1.004		YES			0.0355	
95	95 PCB-105	6.38e5	1.56	NO	1.05	1.000	43.23	43.23	1.000	1.000	NO	47.30		0.0310	47.30
96	96 PCB-127			NO	1.06	1.000	43.57		1.000		YES			0.0310	
97	97 PCB-126	7.05e5	1.58	NO	1.17	1.000	45.54	45.54	1.000	1.000	NO	48.02		0.0296	48.02
98	98 PCB-155	4.07e5	1.28	NO	1.04	1.000	37.01	37.01	1.000	1.001	NO	56.82		0.0303	56.82
99	99 PCB-150			NO	1.08	1.000	38.33		1.036		YES			0.0292	
100	1... PCB-152			NO	1.19	1.000	38.82		1.049		YES			0.0266	
101	1... PCB-145			NO	1.19	1.000	39.29		1.062		YES			0.0266	
102	1... PCB-136			NO	1.02	1.000	39.82		1.071		YES			0.0309	
103	1... PCB-148			NO	0.842	1.000	39.73		1.074		YES			0.0375	
104	1... PCB-154			NO	0.919	1.000	40.23		1.067		YES			0.0344	

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-7.qld

Last Altered: Tuesday, June 02, 2020 11:36:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 11:37:29 Pacific Daylight Time

Name: 200601K1\_7, Date: 01-Jun-2020, Time: 18:21:53, ID: SS200601K1-1 PCB 209 SS 19G2612, Description: PCB 209 SS 19G2612

#	Name	Comp	RA	Wt	RRP	w/Vol	Prod RT	RT	Prod FL	RRT	Check RRT	Comp	%Rec	DL	EMPC
105	1... PCB-151			NO	0.787	1.000	40.90		1.105		YES			0.0402	
106	1... PCB-135			NO	0.922	1.000	41.13		1.112		YES			0.0343	
107	1... PCB-144			NO	0.789	1.000	41.24		1.115		YES			0.0400	
108	1... PCB-147			NO	0.834	1.000	41.37		1.118		YES			0.0379	
109	1... PCB-139/149	2.83e5	1.29	NO	0.948	1.000	41.64	41.61	1.125	1.125	NO	43.47		0.0333	43.47
110	1... PCB-140			NO	0.794	1.000	41.64		1.131		YES			0.0398	
111	1... PCB-134/143			NO	0.759	1.000	42.29		0.975		YES			0.0574	
112	1... PCB-131/133			NO	0.821	1.000	42.59		0.982		YES			0.0531	
113	1... PCB-142			NO	0.754	1.000	42.74		0.985		YES			0.0578	
114	1... PCB-146/165			NO	1.02	1.000	42.98		0.991		YES			0.0429	
115	1... PCB-132/161			NO	1.02	1.000	43.22		0.998		YES			0.0425	
116	1... PCB-153	5.68e5	1.23	NO	1.07	1.000	43.40	43.40	1.000	1.000	NO	46.28		0.0407	46.28
117	1... PCB-168			NO	1.08	1.000	43.63		1.006		YES			0.0404	
118	1... PCB-141			NO	1.03	1.000	44.16		1.000		YES			0.0508	
119	1... PCB-137			NO	1.11	1.000	44.56		1.010		YES			0.0468	
120	1... PCB-130			NO	0.885	1.000	44.66		1.012		YES			0.0587	
121	1... PCB-138/163/164	4.98e5	1.23	NO	1.28	1.000	45.05	45.03	1.001	1.000	NO	38.87	36.9	0.0393	38.87
122	1... PCB-158/160			NO	1.24	1.000	45.30		1.006		YES			0.0407	
123	1... PCB-129			NO	0.867	1.000	45.56		1.012		YES			0.0582	
124	1... PCB-166			NO	1.14	1.000	46.02		0.993		YES			0.0372	
125	1... PCB-159			NO	1.22	1.000	46.36		1.000		YES			0.0350	
126	1... PCB-128/162	6.25e5	1.23	NO	0.907	1.000	46.64	46.66	1.007	1.007	NO	57.08		0.0469	57.08
127	1... PCB-167	6.67e5	1.24	NO	1.11	1.000	47.06	47.06	1.000	1.000	NO	50.25		0.0377	50.25
128	1... PCB-156	5.92e5	1.21	NO	1.13	1.000	48.39	48.38	1.000	1.000	NO	46.00		0.0392	46.00
129	1... PCB-157	6.60e5	1.23	NO	1.04	1.000	46.69	48.67	1.001	1.000	NO	55.54		0.0434	55.54
130	1... PCB-169	5.71e5	1.25	NO	1.16	1.000	50.94	50.94	1.000	1.000	NO	45.51		0.0426	45.51
131	1... PCB-188	6.25e5	1.04	NO	1.29	1.000	43.04	43.02	1.001	1.000	NO	51.05		0.0525	51.05
132	1... PCB-184			NO	1.23	1.000	43.49		1.011		YES			0.0550	
133	1... PCB-179			NO	1.30	1.000	44.29		1.030		YES			0.0522	
134	1... PCB-176			NO	1.31	1.000	44.76		1.041		YES			0.0518	
135	1... PCB-188			NO	1.33	1.000	45.41		1.056		YES			0.0510	
136	1... PCB-178	4.35e5	1.04	NO	0.943	1.000	45.92	45.90	1.088	1.067	NO	48.56		0.0718	48.56
137	1... PCB-175			NO	0.956	1.000	46.26		1.076		YES			0.0708	
138	1... PCB-182/187	4.62e5	1.05	NO	1.07	1.000	46.44	48.43	1.080	1.080	NO	45.61		0.0635	45.61
139	1... PCB-183			NO	1.02	1.000	46.76		1.088		YES			0.0662	
140	1... PCB-185			NO	1.41	1.000	47.44		0.955		YES			0.0779	

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-7.qld

Last Altered: Tuesday, June 02, 2020 11:36:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 11:37:29 Pacific Daylight Time

Name: 200601K1\_7, Date: 01-Jun-2020, Time: 18:21:53, ID: SS200601K1-1 PCB 209 SS 19G2612, Description: PCB 209 SS 19G2612

#	Name	Resp	FA	rv	RRF	u/ucl	PreclRT	RT	PreclLR	RRT	Check RRT	Comp	NDeg	DL	EMPC
141	1... PCB-174	4.07e5	1.04	NO	1.35	1.000	47.82	47.82	0.962	0.962	NO	48.49	75-65	0.0809	48.49
142	1... PCB-181			NO	1.47	1.000	47.91		0.964		YES			0.0743	
143	1... PCB-177			NO	1.28	1.000	48.10		0.968		YES			0.0857	
144	1... PCB-171			NO	1.32	1.000	48.38		0.974		YES			0.0832	
145	1... PCB-173			NO	1.19	1.000	48.84		0.963		YES			0.0921	
146	1... PCB-172			NO	1.38	1.000	49.29		0.992		YES			0.0797	
147	1... PCB-192			NO	1.83	1.000	49.48		0.996		YES			0.0800	
148	1... PCB-180	4.72e5	1.03	NO	1.41	1.000	49.71	49.71	1.000	1.000	NO	53.98		0.0776	53.98
149	1... PCB-193			NO	1.68	1.000	49.92		1.005		YES			0.0653	
150	1... PCB-191			NO	1.71	1.000	50.18		1.010		YES			0.0641	
151	1... PCB-170	3.70e5	1.03	NO	1.40	1.000	51.38	51.38	1.000	1.000	NO	49.87		0.0889	49.87
152	1... PCB-190			NO	1.85	1.000	51.56		1.004		YES			0.0673	
153	1... PCB-189	4.84e5	1.02	NO	1.45	1.000	53.10	53.10	1.000	1.000	NO	48.57		0.0563	48.57
154	1... PCB-202	4.00e5	0.90	NO	1.17	1.000	48.63	48.61	1.001	1.000	NO	48.62		0.0325	48.62
155	1... PCB-201			NO	1.05	1.000	49.10		1.010		YES			0.0361	
156	1... PCB-204			NO	1.14	1.000	49.26		1.014		YES			0.0333	
157	1... PCB-197			NO	1.13	1.000	49.58		1.020		YES			0.0335	
158	1... PCB-200	3.56e5	0.90	NO	1.07	1.000	50.51	50.53	1.039	1.040	NO	47.30		0.0355	47.30
159	1... PCB-198			NO	0.794	1.000	52.08		1.072		YES			0.0478	
160	1... PCB-199			NO	0.809	1.000	52.19		1.074		YES			0.0469	
161	1... PCB-196/203	2.68e5	0.89	NO	0.838	1.000	52.52	52.51	1.081	1.081	NO	45.47		0.0453	45.47
162	1... PCB-195	3.17e5	0.91	NO	1.04	1.000	53.80	53.81	0.964	0.984	NO	50.09		0.113	50.09
163	1... PCB-194	3.10e5	0.87	NO	1.12	1.000	54.72	54.72	1.000	1.000	NO	45.83		0.106	45.83
164	1... PCB-205	3.70e5	0.90	NO	1.29	1.000	54.98	54.99	1.005	1.005	NO	47.35		0.0916	47.35
165	1... PCB-208	3.79e5	1.33	NO	0.933	1.000	53.96	53.95	1.000	1.000	NO	49.81		0.0505	49.81
166	1... PCB-207			NO	0.916	1.000	54.27		1.006		YES			0.0515	
167	1... PCB-206	2.04e5	1.31	NO	1.01	1.000	56.25	56.25	1.000	1.000	NO	47.01		0.0860	47.01
168	1... PCB-209	1.50e5	1.19	NO	0.986	1.000	57.48	57.49	1.000	1.000	NO	52.18	41	0.0103	52.18
169	1... 13C-PCB-1	2.21e6	3.38	NO	0.893	1.000	15.52	15.52	0.608	0.608	NO	101.9	102	0.0672	
170	1... 13C-PCB-3	2.27e6	3.33	NO	0.911	1.000	18.17	18.17	0.712	0.712	NO	102.6	103	0.0859	
171	1... 13C-PCB-4	1.48e6	1.57	NO	0.600	1.000	19.52	19.53	0.765	0.785	NO	101.3	101	0.0291	
172	1... 13C-PCB-9	2.39e6	1.58	NO	0.970	1.000	21.35	21.35	0.836	0.836	NO	101.7	102	0.0180	
173	1... 13C-PCB-11	2.32e6	1.58	NO	0.962	1.000	24.79	24.80	0.971	0.972	NO	99.61	99.6	0.0182	
174	1... 13C-PCB-19	1.24e6	1.04	NO	0.499	1.000	23.76	23.76	0.931	0.931	NO	102.7	103	0.414	
175	1... 13C-PCB-32	1.82e6	1.03	NO	0.744	1.000	26.75	26.76	1.048	1.048	NO	100.7	101	0.278	
176	1... 13C-PCB-28	2.08e6	1.02	NO	1.08	1.000	28.77	28.77	1.004	1.004	NO	99.64	99.6	0.289	

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-7.qld

Last Altered: Tuesday, June 02, 2020 11:36:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 11:37:29 Pacific Daylight Time

Name: 200601K1\_7, Date: 01-Jun-2020, Time: 18:21:53, ID: SS200601K1-1 PCB 209 SS 19G2612, Description: PCB 209 SS 19G2612

#	Name	Resp	RA	WY	RFP	w/w	Prod RT	RT	Prod LR	RRT	Check RRT	Conc	%Rec	DI	EMPC
177	1... 13C-PCB-37	1.86e6	1.04	NO	0.989	1.000	32.75	32.77	1.143	1.143	NO	95.79	95.8	0.289	
178	1... 13C-PCB-54	1.81e6	0.80	NO	0.999	1.000	27.63	27.62	0.753	0.753	NO	101.4	101	0.0659	
179	1... 13C-PCB-52	1.29e6	0.77	NO	0.804	1.000	31.27	31.26	0.852	0.852	NO	100.5	100	0.0819	
180	1... 13C-PCB-47	1.39e6	0.78	NO	0.857	1.000	31.79	31.78	0.866	0.866	NO	102.0	102	0.0768	
181	1... 13C-PCB-70	1.59e6	0.79	NO	0.996	1.000	35.43	35.41	0.985	0.985	NO	100.3	100	0.0661	
182	1... 13C-PCB-80	1.61e6	0.78	NO	1.03	1.000	35.65	35.84	0.977	0.977	NO	98.54	98.5	0.0640	
183	1... 13C-PCB-81	1.53e6	0.78	NO	0.988	1.000	39.06	39.04	1.064	1.064	NO	97.41	97.4	0.0666	
184	1... 13C-PCB-77	1.50e6	0.79	NO	0.989	1.000	39.68	39.66	1.061	1.061	NO	97.40	97.4	0.0660	
185	1... 13C-PCB-104	1.11e6	1.63	NO	1.02	1.000	32.47	32.46	0.827	0.827	NO	100.9	101	0.0381	
186	1... 13C-PCB-95	8.62e5	1.64	NO	0.805	1.000	35.72	35.73	0.910	0.910	NO	99.28	99.3	0.0481	
187	1... 13C-PCB-101	8.44e5	1.64	NO	0.793	1.000	37.48	37.46	0.954	0.954	NO	98.77	98.8	0.0489	
188	1... 13C-PCB-97	7.45e5	1.65	NO	0.696	1.000	38.82	38.62	0.989	0.989	NO	99.17	99.2	0.0557	
189	1... 13C-PCB-123	1.01e6	1.67	NO	0.933	1.000	41.46	41.46	1.056	1.056	NO	99.89	99.9	0.0416	
190	1... 13C-PCB-118	1.03e6	1.62	NO	0.986	1.000	41.85	41.85	1.081	1.061	NO	97.34	97.3	0.0393	
191	1... 13C-PCB-114	1.25e6	1.55	NO	1.55	1.000	42.32	42.32	0.908	0.908	NO	94.22	94.2	0.0809	
192	1... 13C-PCB-105	1.28e6	1.56	NO	1.57	1.000	43.21	43.21	0.927	0.927	NO	95.20	95.2	0.0796	
193	1... 13C-PCB-127	1.30e6	1.56	NO	1.62	1.000	43.56	43.55	0.934	0.934	NO	93.64	93.6	0.0770	
194	1... 13C-PCB-126	1.25e6	1.58	NO	1.57	1.000	45.53	45.52	0.976	0.976	NO	93.40	93.4	0.0798	
195	1... 13C-PCB-155	6.87e5	1.29	NO	0.615	1.000	37.00	37.00	0.942	0.942	NO	103.6	104	0.0326	
196	1... 13C-PCB-153	1.15e6	1.24	NO	1.36	1.000	43.37	43.38	0.930	0.931	NO	98.32	98.3	0.0878	
197	1... 13C-PCB-141	9.61e5	1.27	NO	1.13	1.000	44.14	44.14	0.947	0.947	NO	99.66	99.7	0.106	
198	1... 13C-PCB-138	9.99e5	1.26	NO	1.18	1.000	45.01	45.01	0.985	0.985	NO	96.63	96.6	0.101	
199	1... 13C-PCB-159	1.21e6	1.26	NO	1.44	1.000	46.33	46.34	0.994	0.994	NO	98.13	98.1	0.0832	
200	2... 13C-PCB-167	1.20e6	1.28	NO	1.44	1.000	47.04	47.04	1.009	1.009	NO	97.25	97.3	0.0832	
201	2... 13C-PCB-156	1.14e6	1.27	NO	1.40	1.000	46.39	46.37	1.038	1.037	NO	95.71	95.7	0.0858	
202	2... 13C-PCB-157	1.14e6	1.27	NO	1.40	1.000	46.65	46.65	1.043	1.043	NO	95.86	95.9	0.0858	
203	2... 13C-PCB-169	1.08e6	1.26	NO	1.33	1.000	50.93	50.92	1.092	1.092	NO	95.29	95.3	0.0900	
204	2... 13C-PCB-188	9.50e5	0.45	NO	1.41	1.000	42.99	43.00	0.926	0.926	NO	100.3	100	0.0865	
205	2... 13C-PCB-180	6.20e5	0.44	NO	0.929	1.000	49.69	49.69	1.070	1.070	NO	99.28	99.3	0.131	
206	2... 13C-PCB-170	5.29e5	0.46	NO	0.794	1.000	51.36	51.38	1.106	1.106	NO	99.16	99.2	0.153	
207	2... 13C-PCB-189	6.86e5	0.46	NO	1.04	1.000	53.06	53.08	1.143	1.143	NO	97.68	97.7	0.117	
208	2... 13C-PCB-202	7.04e5	0.93	NO	1.04	1.000	48.59	48.59	1.046	1.047	NO	101.1	101	0.0796	
209	2... 13C-PCB-194	6.06e5	0.91	NO	0.768	1.000	54.72	54.70	0.995	0.995	NO	99.49	99.5	0.195	
210	2... 13C-PCB-208	6.16e5	0.77	NO	0.991	1.000	53.94	53.94	0.981	0.981	NO	103.8	104	0.137	
211	2... 13C-PCB-206	4.31e5	0.78	NO	0.552	1.000	56.24	56.24	1.023	1.023	NO	98.29	98.3	0.246	
212	2... 13C-PCB-209	2.91e5	1.17	NO	0.396	1.000	57.49	57.48	1.046	1.046	NO	92.65	92.6	0.0202	

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-7.qld

Last Altered: Tuesday, June 02, 2020 11:36:30 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 11:37:29 Pacific Daylight Time

Name: 200601K1\_7, Date: 01-Jun-2020, Time: 18:21:53, ID: SS200601K1-1 PCB 209 SS 19G2612, Description: PCB 209 SS 19G2612

#	Name	Resp	RA	Hy	RFP	wAve	Prod RT	RT	Prod R...	RRT	Check RRT	Conc	%Rec	DL	EMPC
213	2... 13C-PCB-15	2.43e6	1.56	NO	1.00	1.000	25.53	25.53	1.000	0.000	NO	100.0	100	0.0175	
214	2... 13C-PCB-31	1.96e6	1.05	NO	1.00	1.000	28.66	28.66	1.000	0.000	NO	100.0	100	0.286	
215	2... 13C-PCB-60	1.59e6	0.78	NO	1.00	1.000	36.68	36.70	1.000	0.000	NO	100.0	100	0.0658	
216	2... 13C-PCB-111	1.08e6	1.65	NO	1.00	1.000	39.25	39.27	1.000	0.000	NO	100.0	100	0.0388	
217	2... 13C-PCB-128	8.55e5	1.27	NO	1.00	1.000	46.60	46.62	1.000	0.000	NO	100.0	100	0.120	
218	2... 13C-PCB-182	6.72e5	0.47	NO	1.00	1.000	46.43	46.43	0.000	0.000	NO	100.0	100	0.122	
219	2... 13C-PCB-205	7.94e5	0.90	NO	1.00	1.000	54.96	54.98	1.000	0.000	NO	100.0	100	0.149	
220	2... 13C-PCB-79	1.70e6	0.78	NO	1.07	1.000	37.60	37.78	1.030	1.029	NO	100.0	100	0.0616	
221	2... 13C-PCB-178	6.89e5	0.44	NO	0.766	1.000	45.89	45.88	0.988	0.988	NO	105.2	105	0.128	
222	2... 13C-PCB-79	1.70e6	0.78	NO	1.08	1.000	37.78	37.78	0.968	0.968	NO	102.7	103	0.0641	
223	2... 13C-PCB-178	6.89e5	0.44	NO	1.05	1.000	45.87	45.88	0.923	0.923	NO	105.8	106	0.131	

7-1201  
↓

Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_7, Date: 01-Jun-2020, Time: 18:21:53, ID: SS200601K1-1 PCB 209 SS 19G2612, Description: PCB 209 SS 19G2612

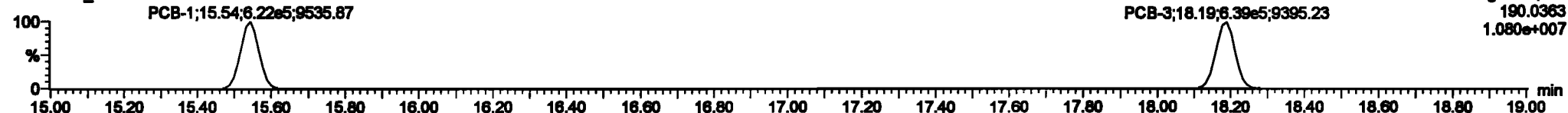
**PCB-1**

200601K1\_7



F1:Voltage SIR,EI+  
188.0393  
3.334e+007

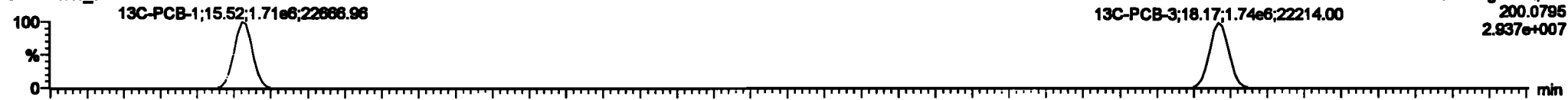
200601K1\_7



F1:Voltage SIR,EI+  
190.0363  
1.080e+007

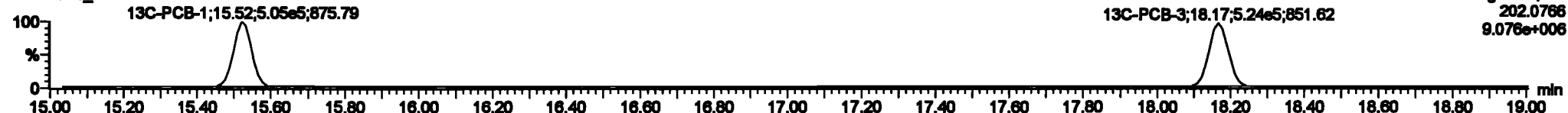
**13C-PCB-1**

200601K1\_7



F1:Voltage SIR,EI+  
200.0795  
2.937e+007

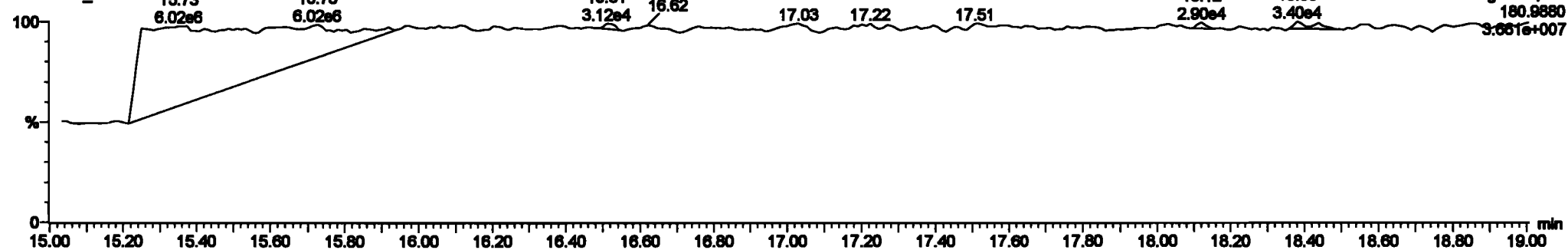
200601K1\_7



F1:Voltage SIR,EI+  
202.0766  
9.076e+006

**PFK1**

200601K1\_7



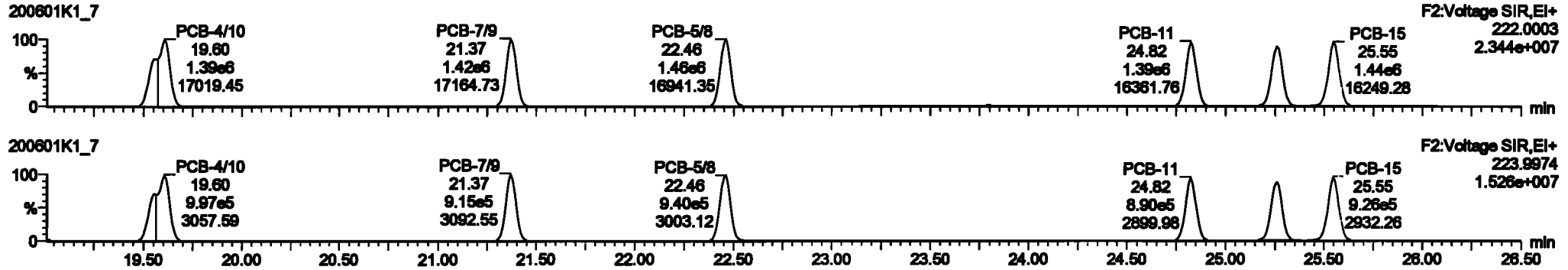
F1:Voltage SIR,EI+  
180.9880  
3.661e+007

Dataset: Untitled

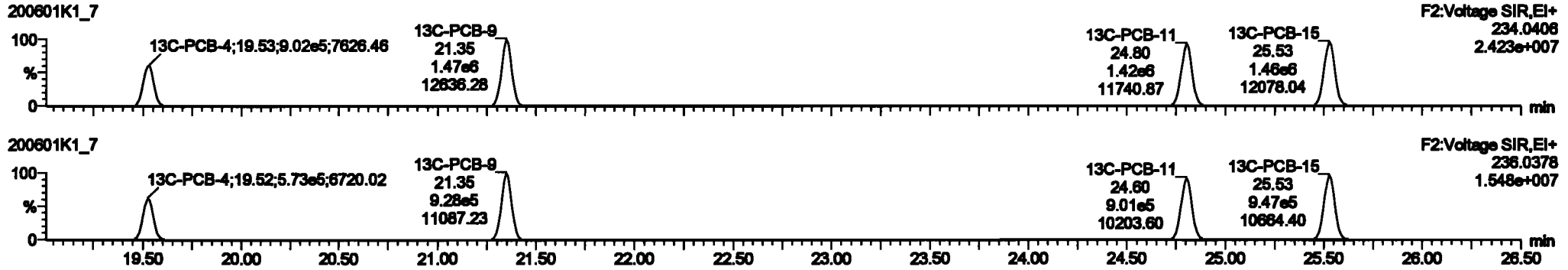
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_7, Date: 01-Jun-2020, Time: 18:21:53, ID: SS200601K1-1 PCB 209 SS 19G2612, Description: PCB 209 SS 19G2612

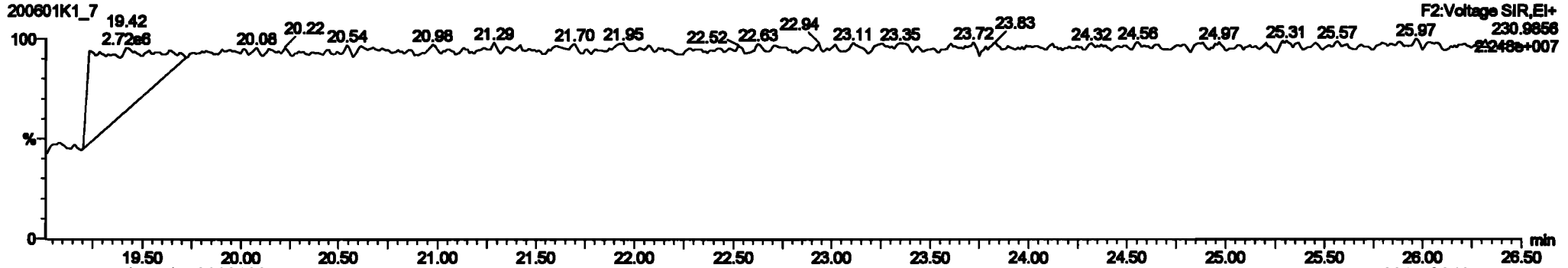
**PCB-4/10**



**13C-PCB-4**



**PFK2a**







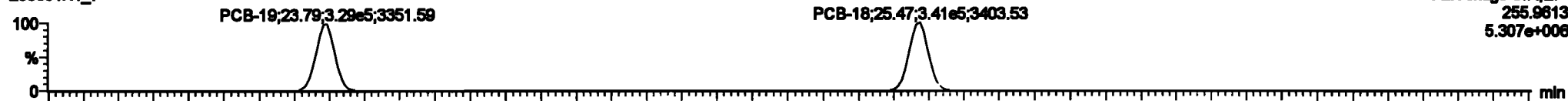
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

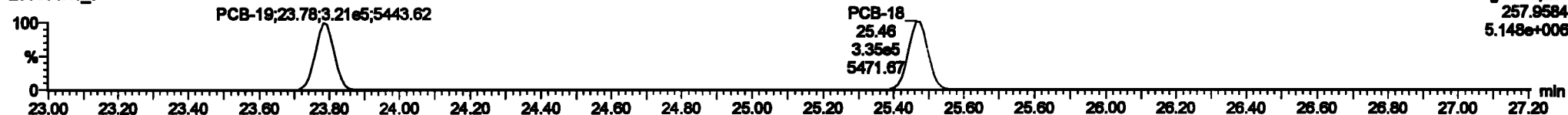
Name: 200601K1\_7, Date: 01-Jun-2020, Time: 18:21:53, ID: SS200601K1-1 PCB 209 SS 19G2612, Description: PCB 209 SS 19G2612

PCB-19

200601K1\_7



200601K1\_7



13C-PCB-19

200601K1\_7

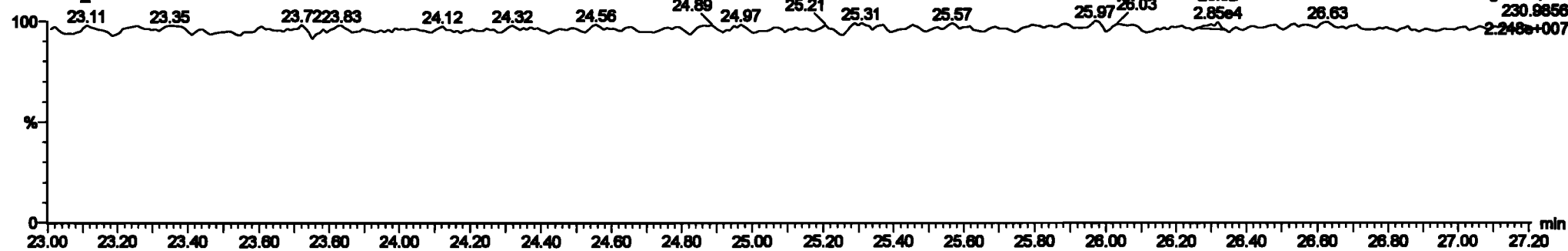


200601K1\_7



PFK2b

200601K1\_7



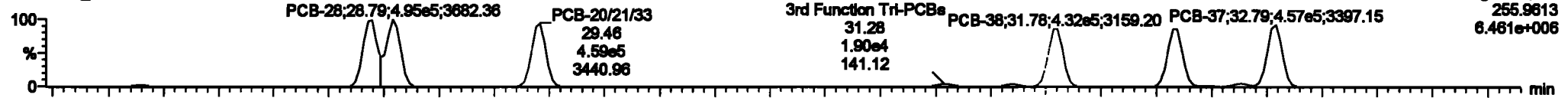
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

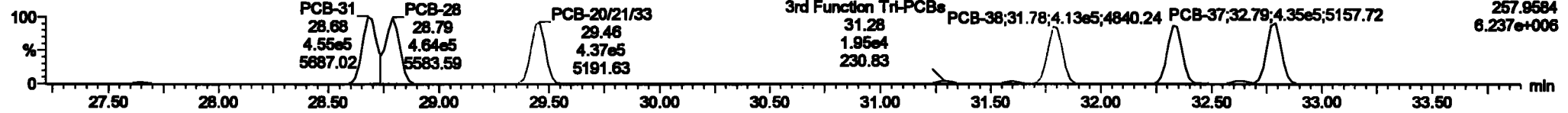
Name: 200601K1\_7, Date: 01-Jun-2020, Time: 18:21:53, ID: SS200601K1-1 PCB 209 SS 19G2612, Description: PCB 209 SS 19G2612

PCB-34

200601K1\_7



200601K1\_7

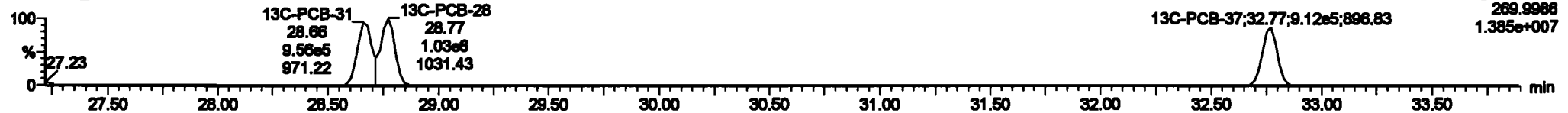


13C-PCB-28

200601K1\_7

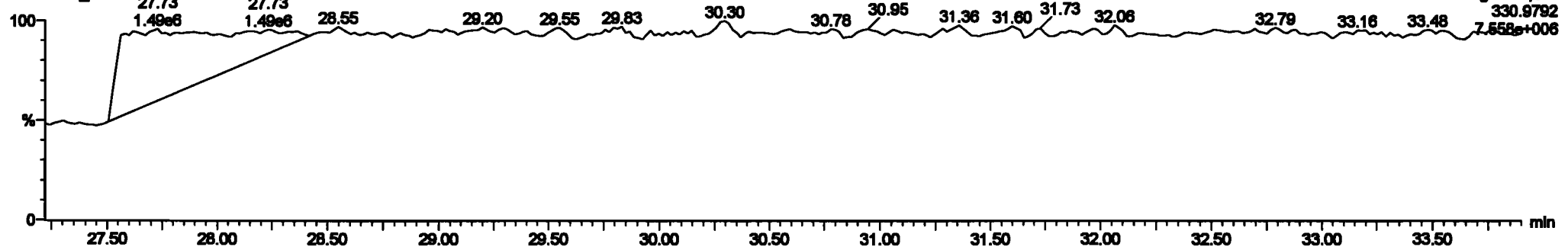


200601K1\_7



PFK3d

200601K1\_7

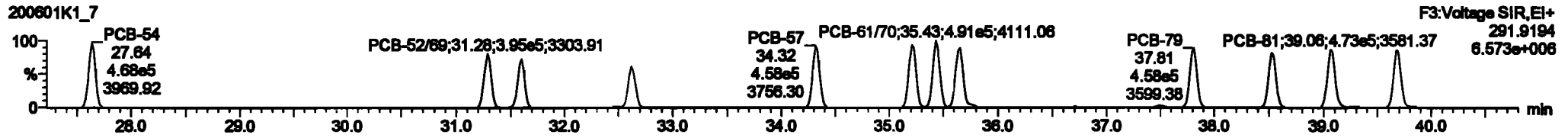
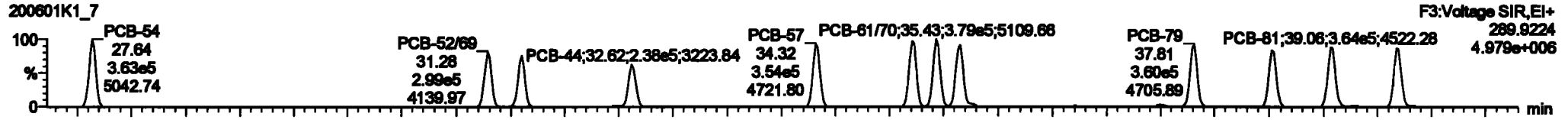


Dataset: Untitled

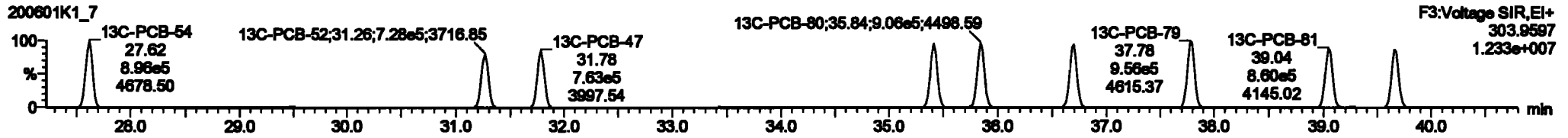
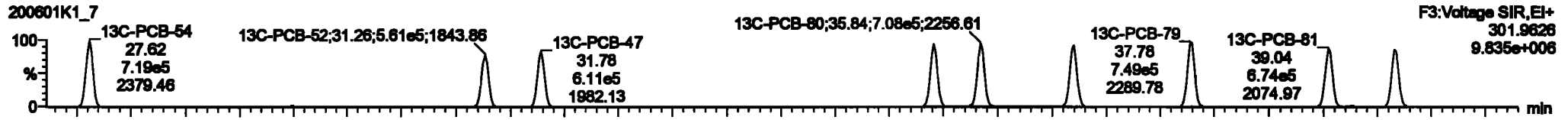
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_7, Date: 01-Jun-2020, Time: 18:21:53, ID: SS200601K1-1 PCB 209 SS 19G2612, Description: PCB 209 SS 19G2612

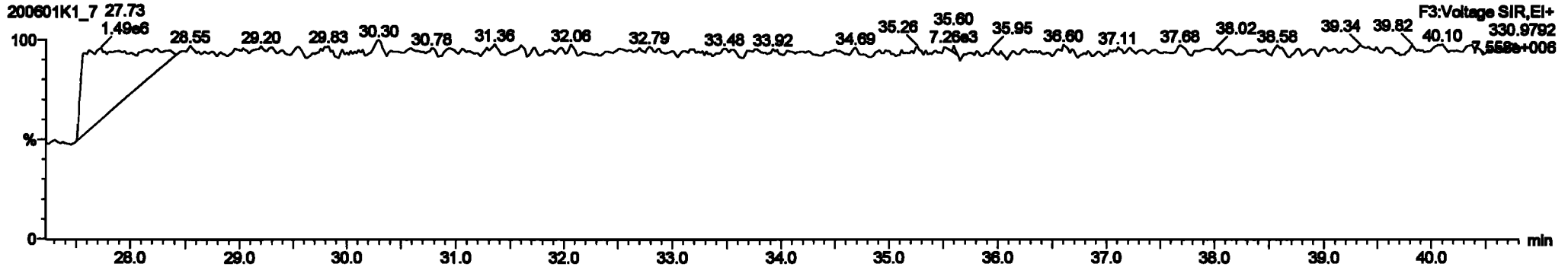
PCB-54



13C-PCB-54



PFK3a



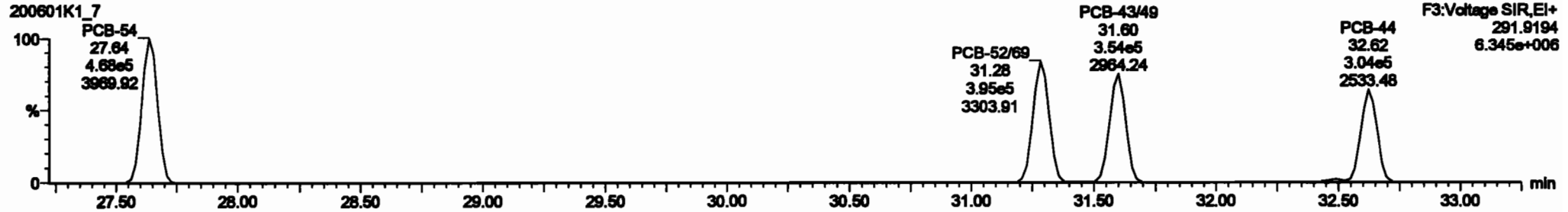
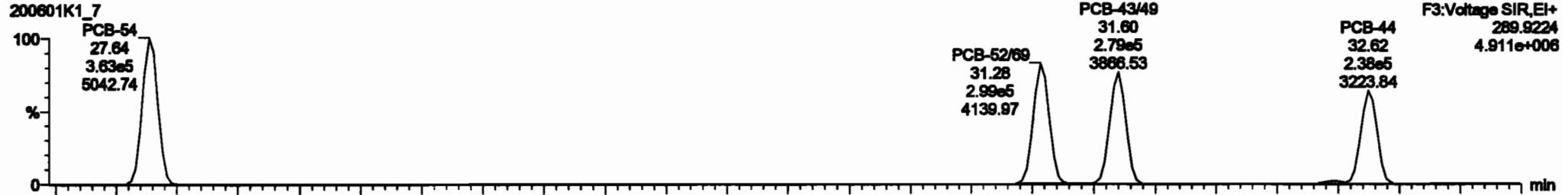
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time

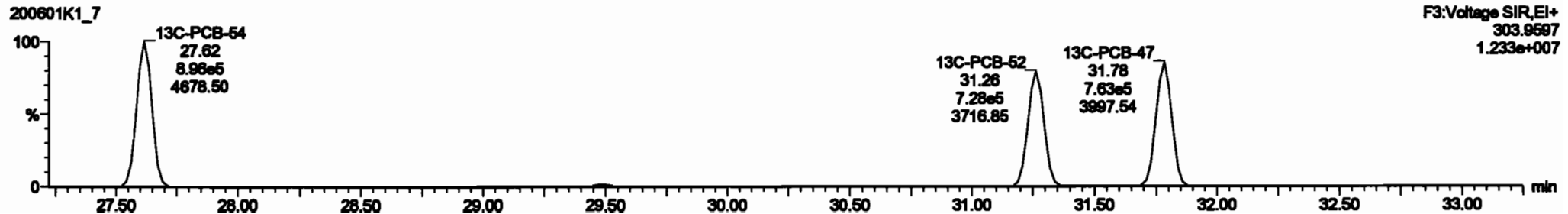
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_7, Date: 01-Jun-2020, Time: 18:21:53, ID: SS200601K1-1 PCB 209 SS 19G2612, Description: PCB 209 SS 19G2612

**PCB-50**



**13C-PCB-52**



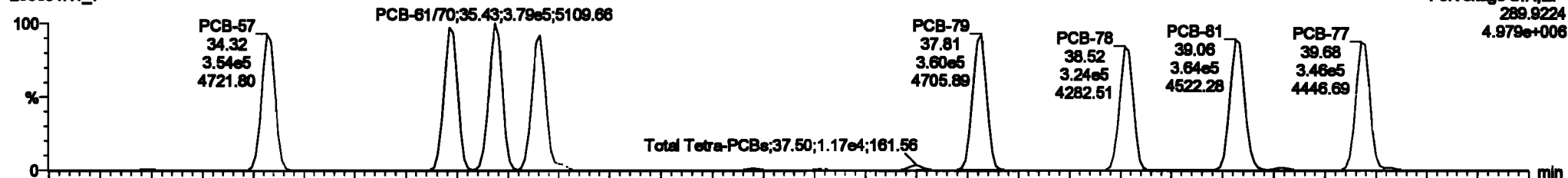
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

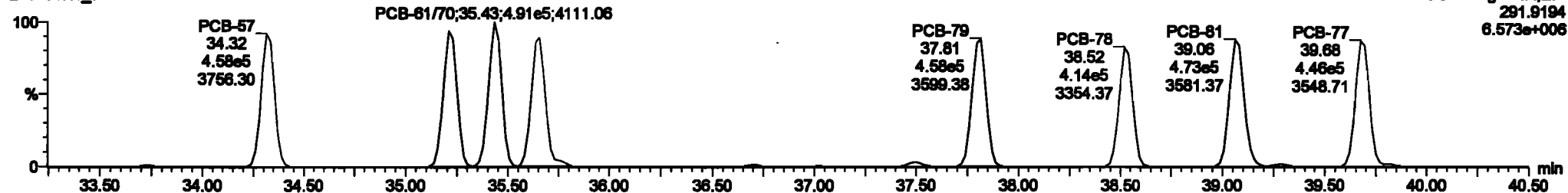
Name: 200601K1\_7, Date: 01-Jun-2020, Time: 18:21:53, ID: SS200601K1-1 PCB 209 SS 19G2612, Description: PCB 209 SS 19G2612

PCB-68

200601K1\_7

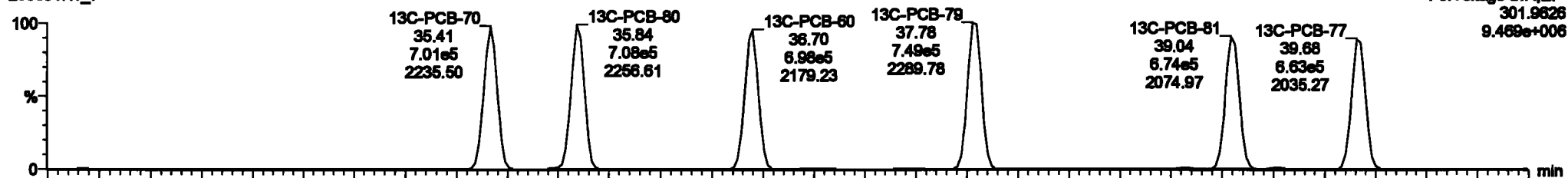


200601K1\_7

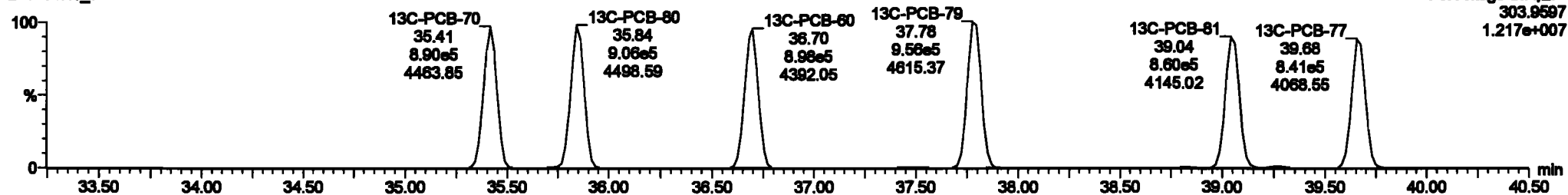


13C-PCB-60

200601K1\_7



200601K1\_7



#	Name	Step	BA	Qty	Req'd	Inv'd	Prod.RT	RT	Prod.R	RT	Prod.Pct	Comp.	DL	QTY
217	13C-PCB-138	0.88in	1.27	NO	1.0000	1.000	45.60	45.63	1.000	0.000	NO	100.0	100	0.120
218	13C-PCB-182	0.72in	0.47	NO	1.0000	1.000	45.43	45.43	0.000	0.000	NO	100.0	100	0.122
219	13C-PCB-205	7.84in	0.90	NO	1.0000	1.000	54.95	54.95	1.000	0.000	NO	100.0	100	0.148
220	13C-PCB-78	1.70in	0.70	NO	1.0000	1.000	37.80	37.70	1.000	1.000	NO	100.0	100	0.0915
221	13C-PCB-176	0.88in	0.44	NO	0.7000	1.000	45.80	45.80	0.000	0.000	NO	100.0	100	0.126
222	13C-PCB-78	1.70in	0.70	NO	1.0021	1.000	37.70	37.70	0.000	0.000	NO	102.7	100	0.0941
223	13C-PCB-176	0.88in	0.44	NO	1.0000	1.000	45.87	45.88	0.000	0.000	NO	100.0	100	0.131
224	Total Micro-PCBs				1.0000	1.000	0.00	0.000	0.000	0.000	NO	100.0		0.0281 100.0
225	Total D-PCBs				1.0000	1.000	0.00	0.000	0.000	0.000	NO	100.0		0.280 100.0
226	2nd Function TAP-PCBs				1.0000	1.000	0.00	0.000	0.000	0.000	NO	100.0		0.110 100.0
227	2nd Function TAP-PCBs				0.0000	1.000	0.00	0.000	0.000	0.000	NO	200.0		0.311 200.0
228	Total PCBs				4.0000	4.000	0.00	0.000	0.000	0.000	NO	100.0		0.800 100.0

#	Name	Prod.RT	RT	Inv'd	Req'd	Inv'd	Prod.R	RT	Prod.Pct	Comp.	DL	QTY
33	PCB-64	27.04	27.04	3.820in	4.880in	0.770	0.70	NO	47.874	47.874		
34	PCB-68	31.30	31.30	2.895in	3.891in	0.770	0.70	NO	48.220	48.220		
35	PCB-43	31.80	31.80	2.760in	3.520in	0.770	0.70	NO	48.317	48.317		
36	PCB-44	32.80	32.80	2.570in	3.043in	0.770	0.70	NO	47.188	47.188		
37	PCB-67	34.30	34.30	3.880in	4.977in	0.770	0.77	NO	43.838	43.838		
38	PCB-74	35.20	35.21	3.730in	4.725in	0.770	0.70	NO	45.028	45.028		
39	PCB-81	35.43	35.43	3.780in	4.880in	0.770	0.77	NO	51.834	51.834		
40	PCB-70	35.62	35.60	3.891in	4.830in	0.770	0.70	NO	44.671	44.671		



Dataset: Untitled

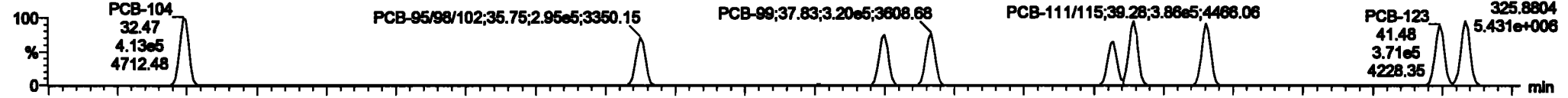
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

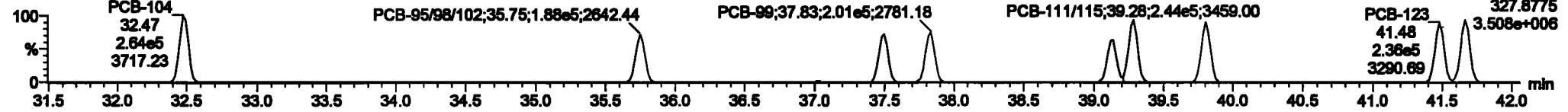
Name: 200601K1\_7, Date: 01-Jun-2020, Time: 18:21:53, ID: SS200601K1-1 PCB 209 SS 19G2612, Description: PCB 209 SS 19G2612

**PCB-104**

200601K1\_7

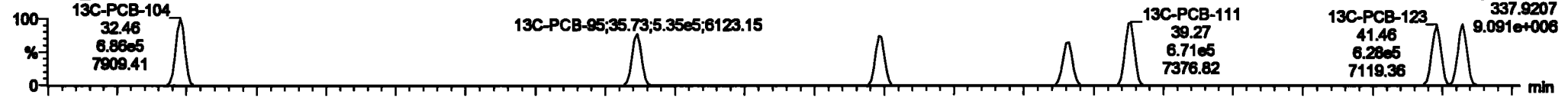


200601K1\_7

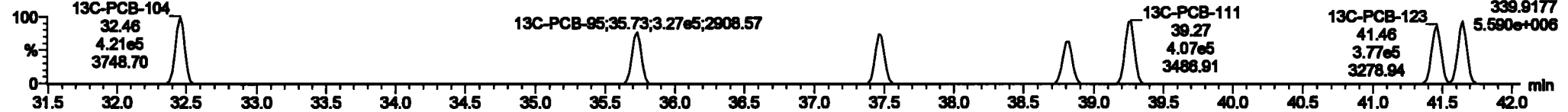


**13C-PCB-104**

200601K1\_7

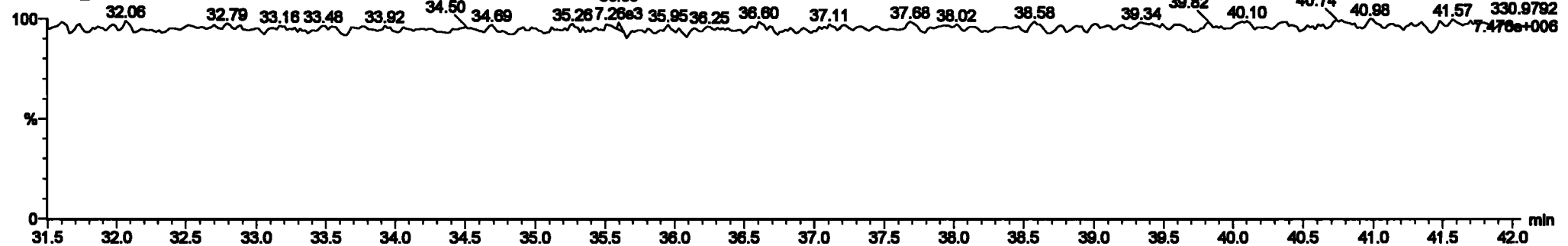


200601K1\_7



**PFK3b**

200601K1\_7



Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

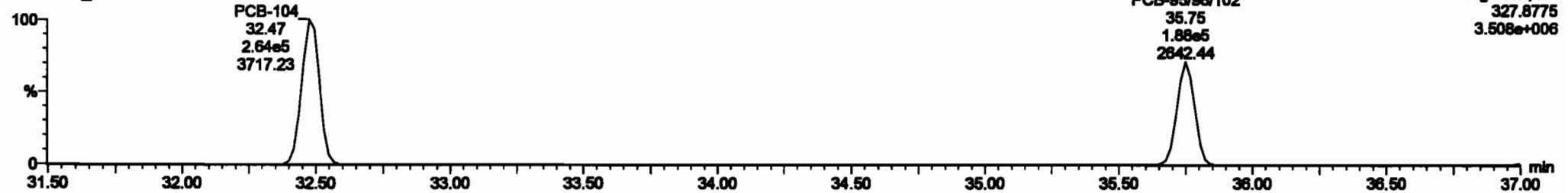
Name: 200601K1\_7, Date: 01-Jun-2020, Time: 18:21:53, ID: SS200601K1-1 PCB 209 SS 19G2612, Description: PCB 209 SS 19G2612

**PCB-96**

200601K1\_7



200601K1\_7

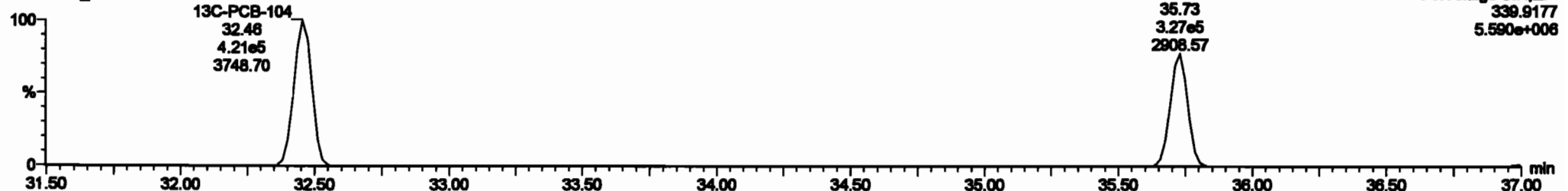


**13C-PCB-95**

200601K1\_7



200601K1\_7





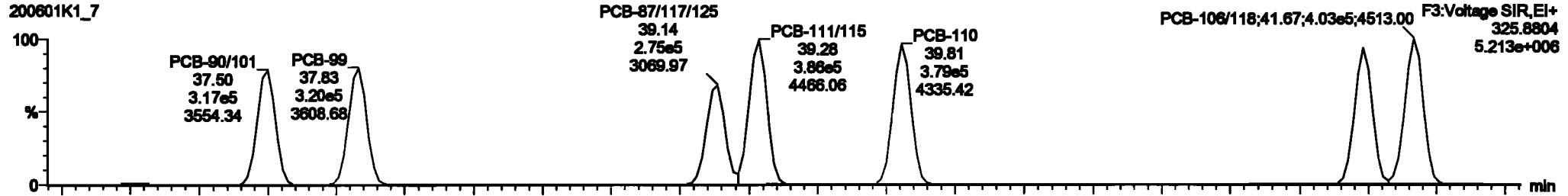
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

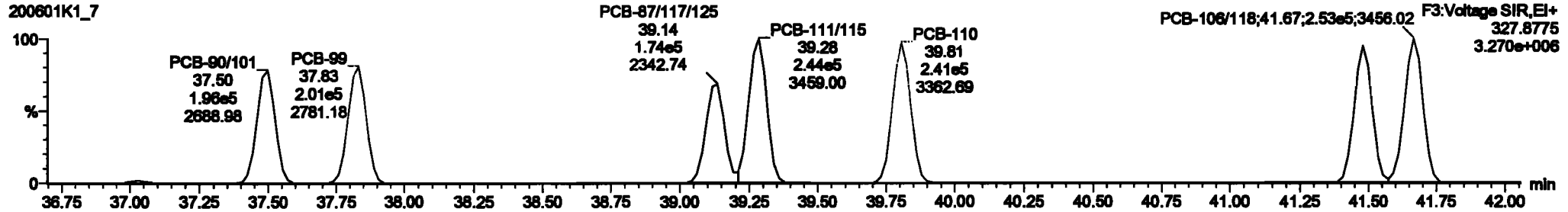
Name: 200601K1\_7, Date: 01-Jun-2020, Time: 18:21:53, ID: SS200601K1-1 PCB 209 SS 19G2612, Description: PCB 209 SS 19G2612

PCB-119

200601K1\_7

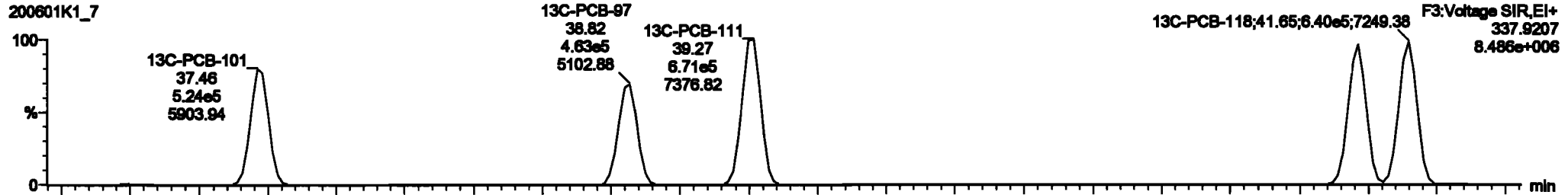


200601K1\_7

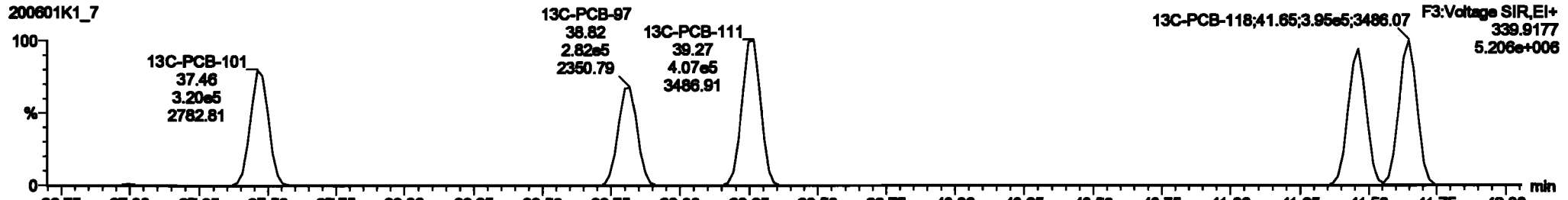


13C-PCB-111

200601K1\_7



200601K1\_7



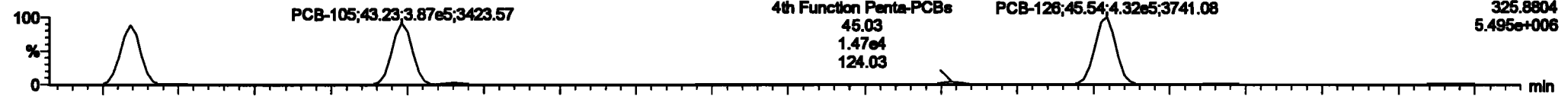
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

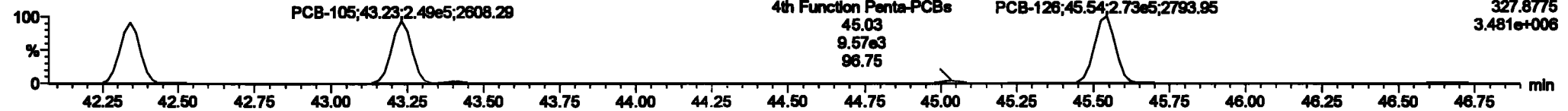
Name: 200601K1\_7, Date: 01-Jun-2020, Time: 18:21:53, ID: SS200601K1-1 PCB 209 SS 19G2612, Description: PCB 209 SS 19G2612

**PCB-114**

200601K1\_7

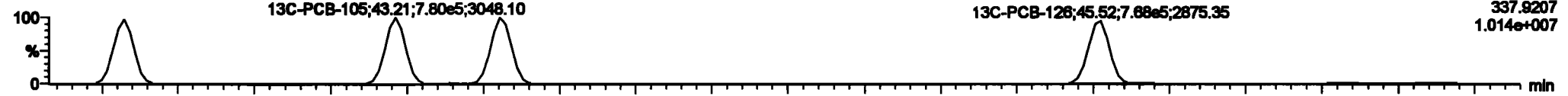


200601K1\_7

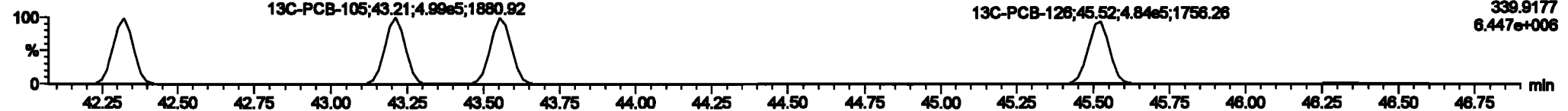


**13C-PCB-114**

200601K1\_7

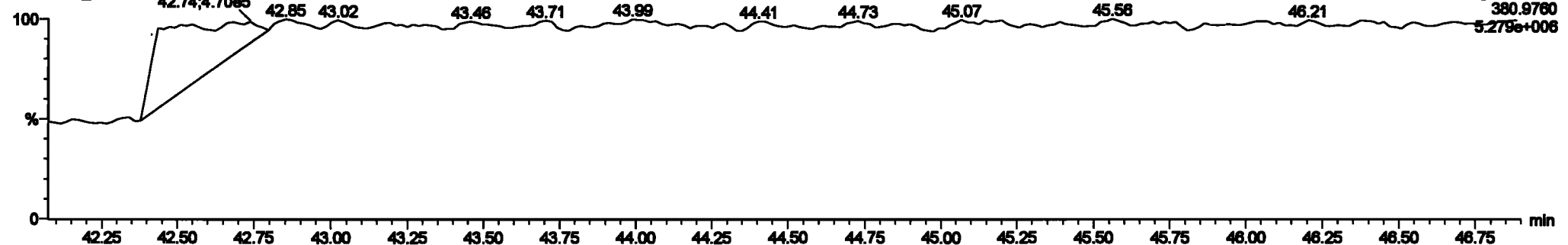


200601K1\_7



**PFK4a**

200601K1\_7



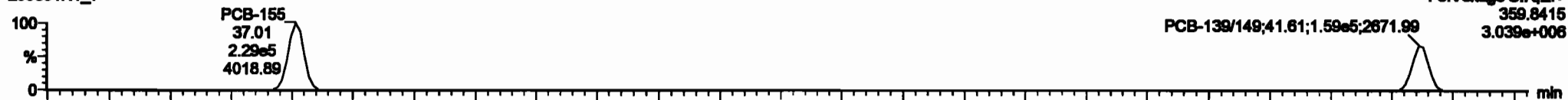
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

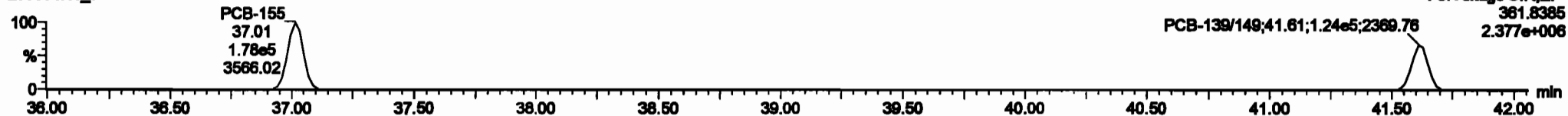
Name: 200601K1\_7, Date: 01-Jun-2020, Time: 18:21:53, ID: SS200601K1-1 PCB 209 SS 19G2612, Description: PCB 209 SS 19G2612

**PCB-155**

200601K1\_7

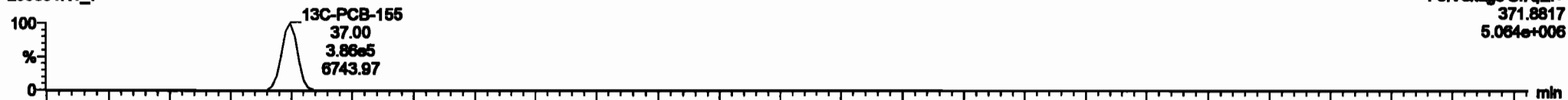


200601K1\_7

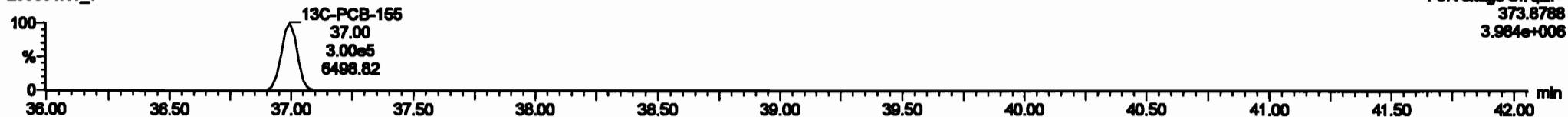


**13C-PCB-155**

200601K1\_7

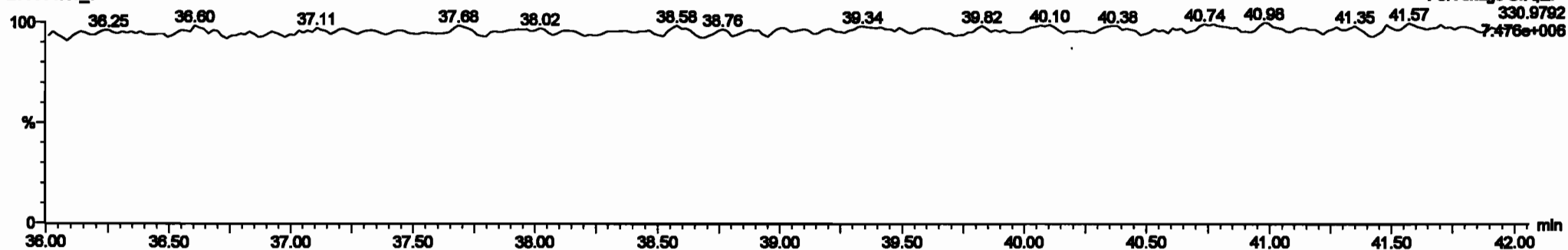


200601K1\_7



**PFK3c**

200601K1\_7

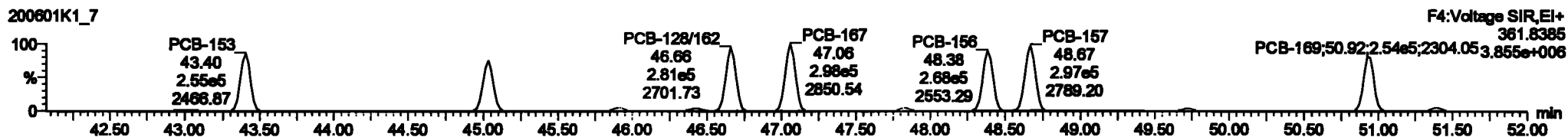
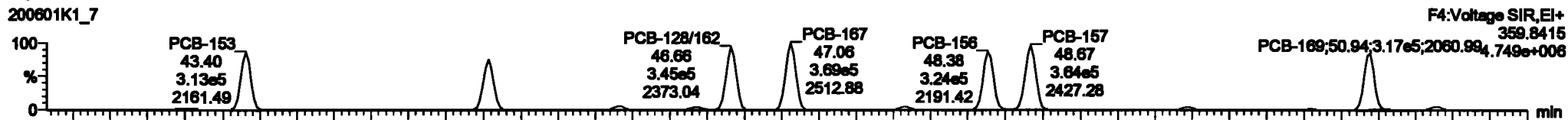


Dataset: Untitled

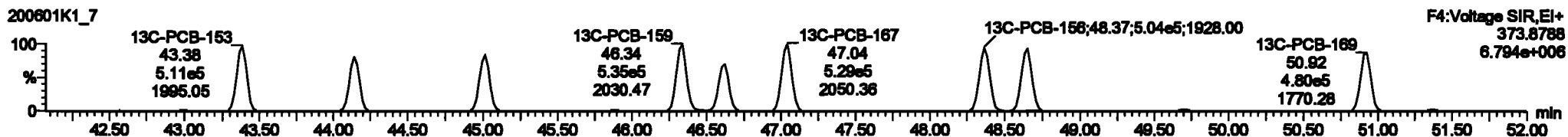
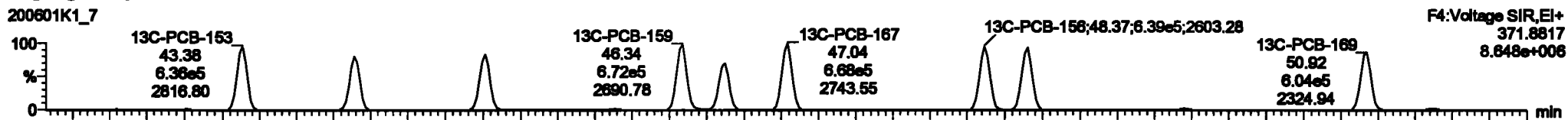
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_7, Date: 01-Jun-2020, Time: 18:21:53, ID: SS200601K1-1 PCB 209 SS 19G2612, Description: PCB 209 SS 19G2612

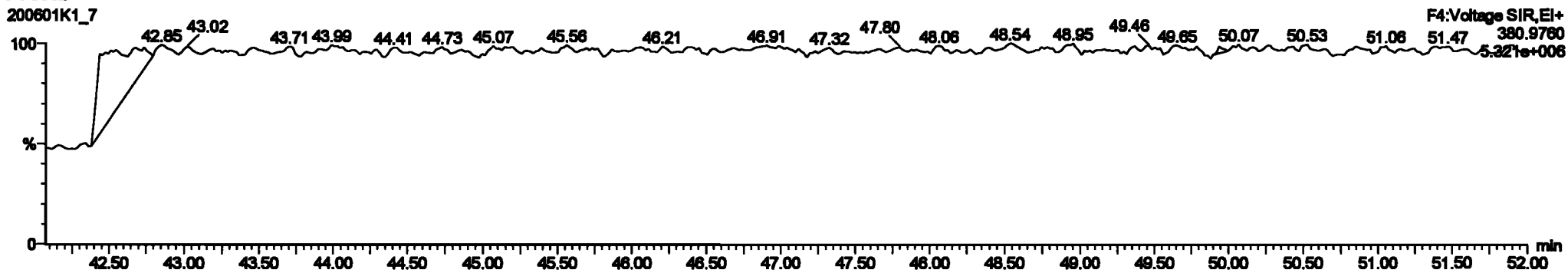
PCB-134/143



13C-PCB-153



PFK4b



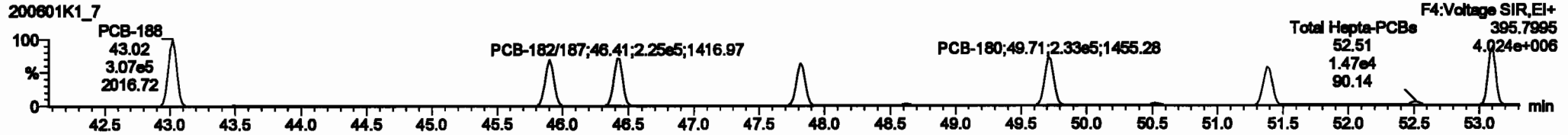
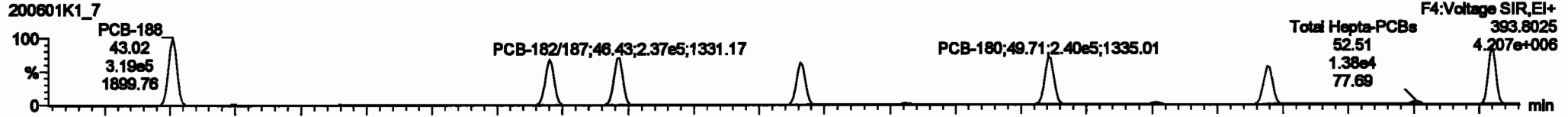
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time

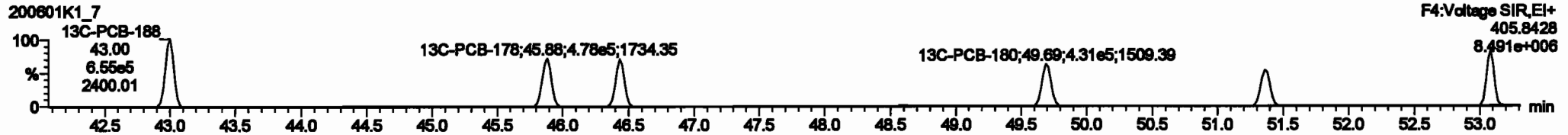
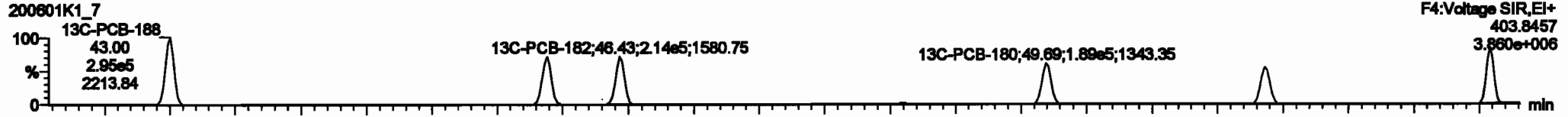
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_7, Date: 01-Jun-2020, Time: 18:21:53, ID: SS200601K1-1 PCB 209 SS 19G2612, Description: PCB 209 SS 19G2612

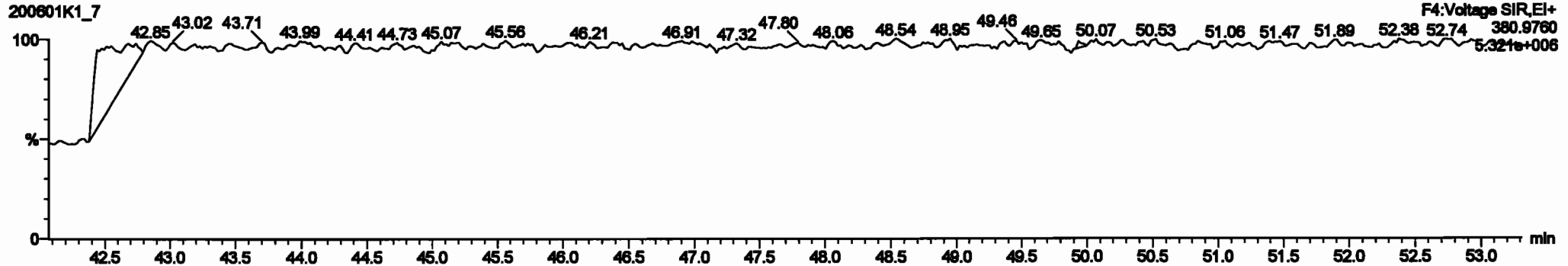
**PCB-188**



**13C-PCB-188**



**PFK4c**



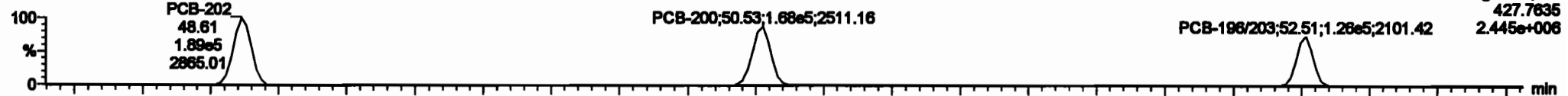
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

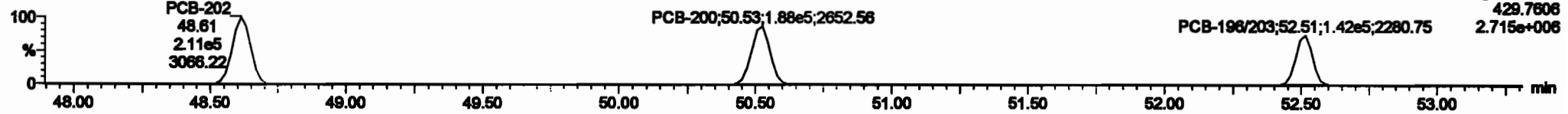
Name: 200601K1\_7, Date: 01-Jun-2020, Time: 18:21:53, ID: SS200601K1-1 PCB 209 SS 19G2612, Description: PCB 209 SS 19G2612

**PCB-202**

200601K1\_7

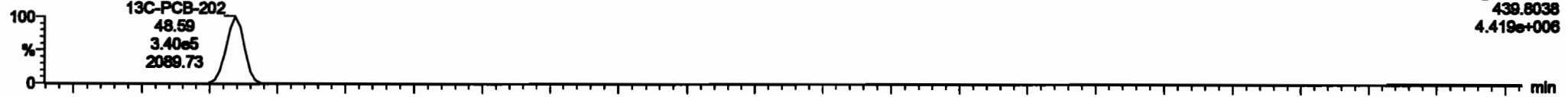


200601K1\_7

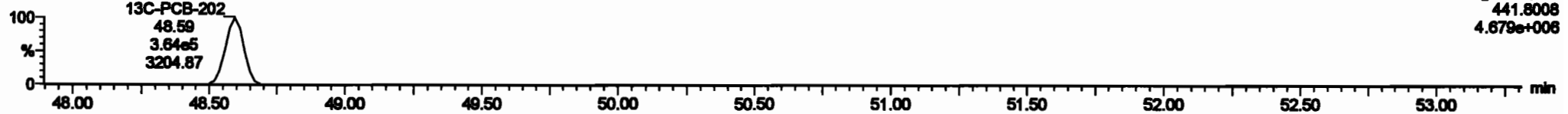


**13C-PCB-202**

200601K1\_7

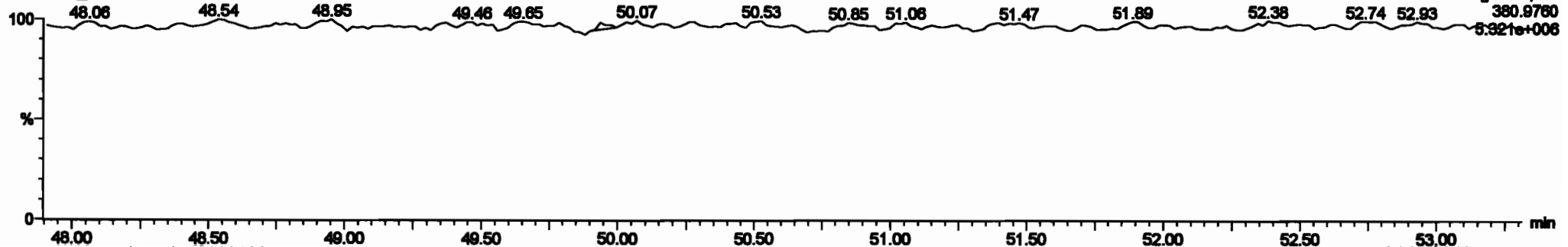


200601K1\_7



**PFK4d**

200601K1\_7



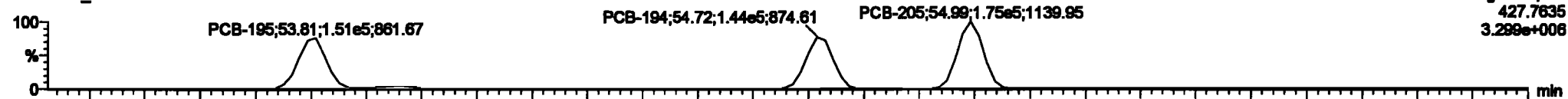
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

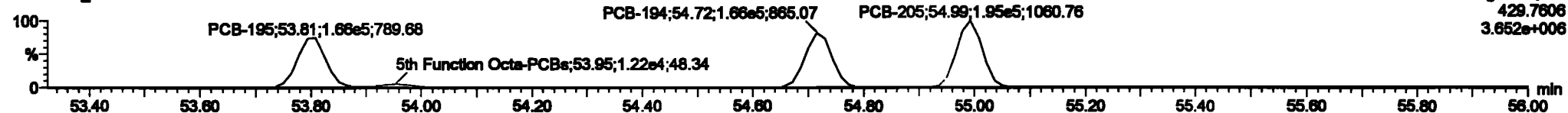
Name: 200601K1\_7, Date: 01-Jun-2020, Time: 18:21:53, ID: SS200601K1-1 PCB 209 SS 19G2612, Description: PCB 209 SS 19G2612

**PCB-195**

200601K1\_7

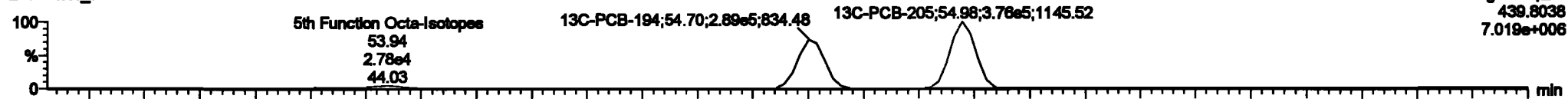


200601K1\_7

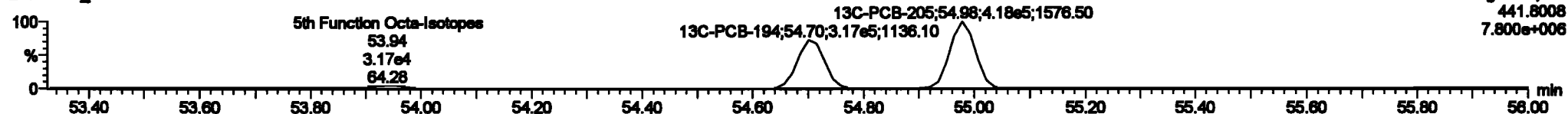


**13C-PCB-194**

200601K1\_7

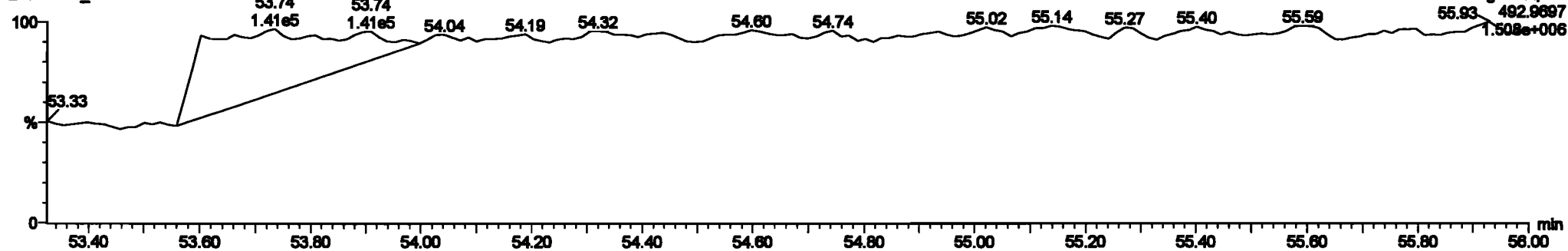


200601K1\_7



**PFK5a**

200601K1\_7



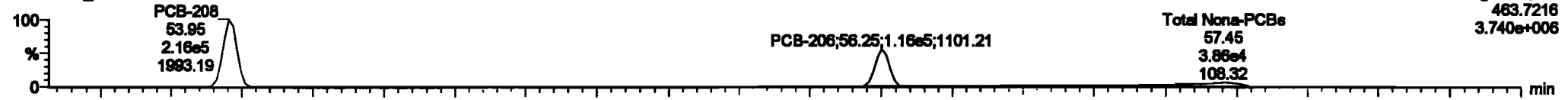
Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

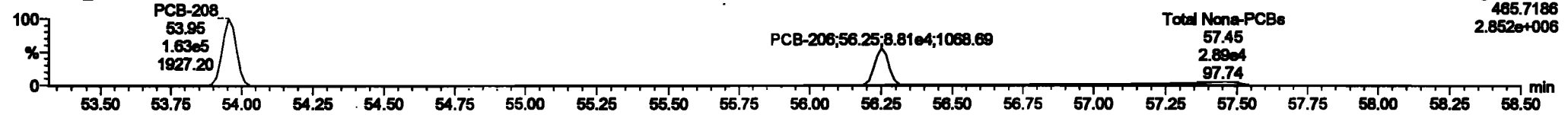
Name: 200601K1\_7, Date: 01-Jun-2020, Time: 18:21:53, ID: SS200601K1-1 PCB 209 SS 19G2612, Description: PCB 209 SS 19G2612

**PCB-208**

200601K1\_7

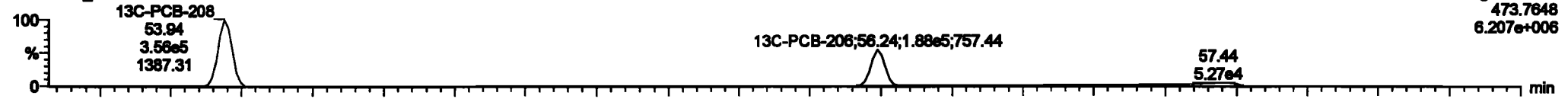


200601K1\_7

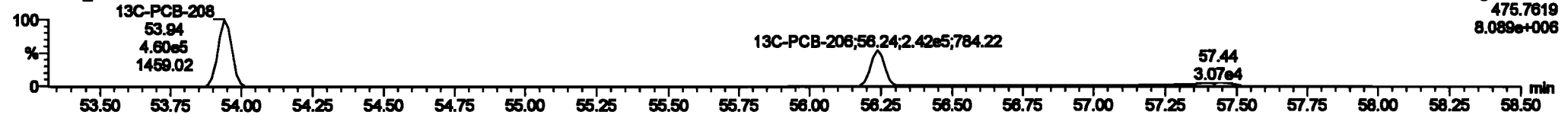


**13C-PCB-208**

200601K1\_7

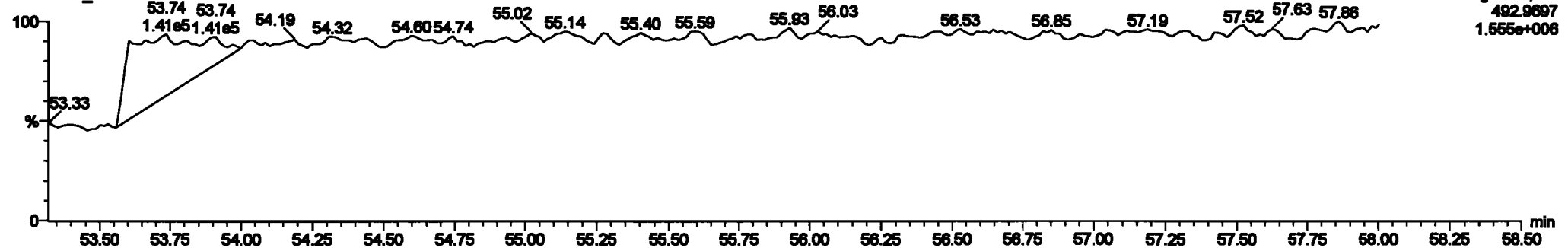


200601K1\_7



**PFK5**

200601K1\_7



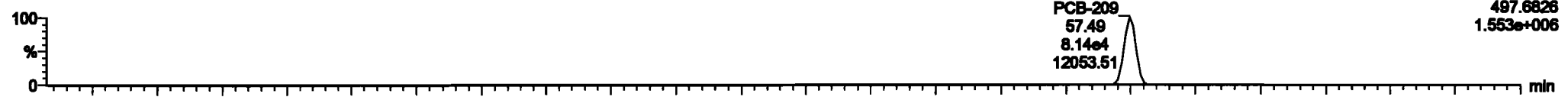


Dataset: Untitled

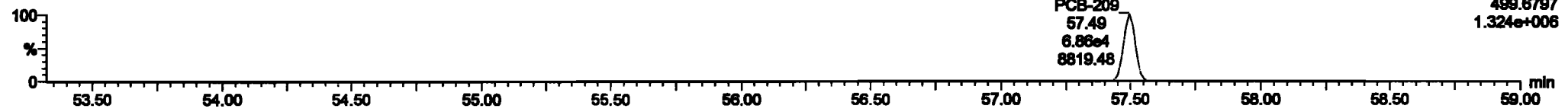
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_7, Date: 01-Jun-2020, Time: 18:21:53, ID: SS200601K1-1 PCB 209 SS 19G2612, Description: PCB 209 SS 19G2612

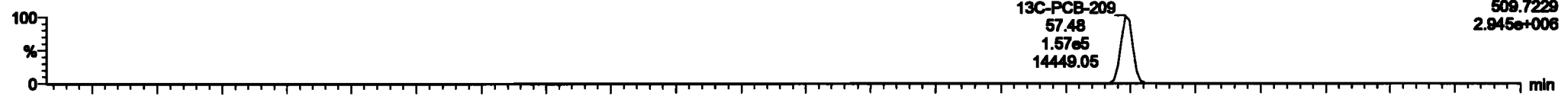
**PCB-209**  
200601K1\_7



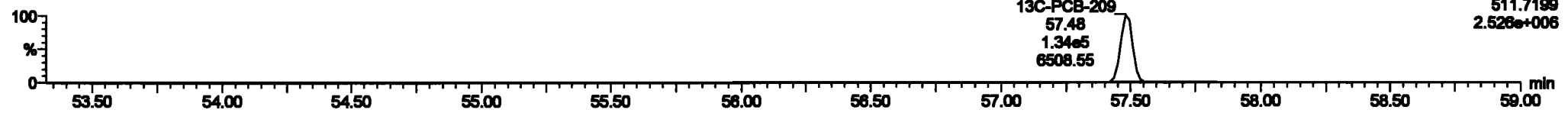
200601K1\_7



**13C-PCB-209**  
200601K1\_7



200601K1\_7



**PFK5b**  
200601K1\_7

